wwPDB X-ray Structure Validation Summary Report (i)

Oct 9, 2023 – 03:20 PM EDT

PDB ID	:	5OBM
Title	:	Crystal structure of Gentamicin bound to the yeast 80S ribosome
Authors	:	Prokhorova, I.; Djumagulov, M.; Urzhumtsev, A.; Yusupov, M.; Yusupova, G.
Deposited on	:	2017-06-28
Resolution	:	3.40 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 (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

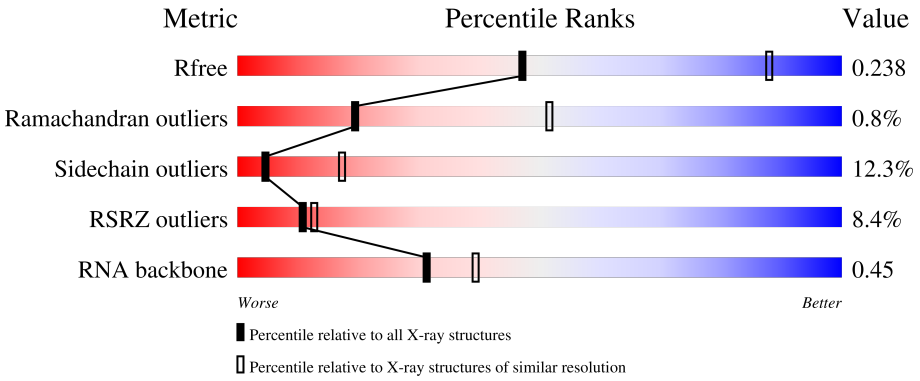
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.35.1
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.35.1

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 3.40 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	1026 (3.48-3.32)
Ramachandran outliers	138981	1038 (3.48-3.32)
Sidechain outliers	138945	1038 (3.48-3.32)
RSRZ outliers	127900	2173 (3.50-3.30)
RNA backbone	3102	1006 (3.84-2.96)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=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	1	3396	65% 23% 9%
1	5	3396	61% 27% 8%
2	3	121	79% 21%
2	7	121	74% 22%
3	4	158	71% 25%

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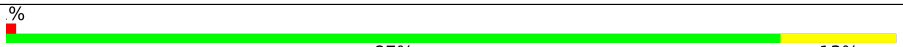
Mol	Chain	Length	Quality of chain
3	8	158	
4	L2	252	
4	l2	252	
5	L3	386	
5	l3	386	
6	L4	361	
6	l4	361	
7	L5	296	
7	l5	296	
8	L6	176	
8	l6	176	
9	L7	223	
9	l7	223	
10	L8	233	
10	l8	233	
11	L9	191	
11	l9	191	
12	M0	221	
12	m0	221	
13	M1	169	
13	m1	169	
14	M3	194	
14	m3	194	
15	M4	137	
15	m4	137	

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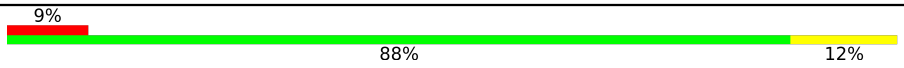
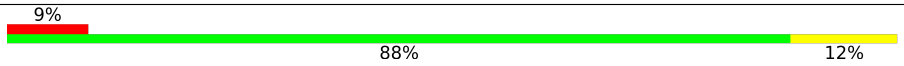
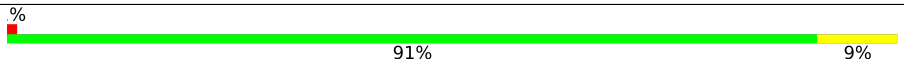
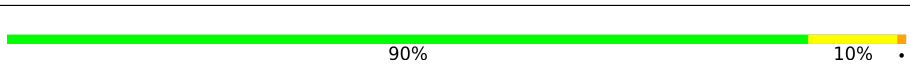
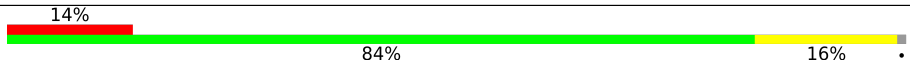
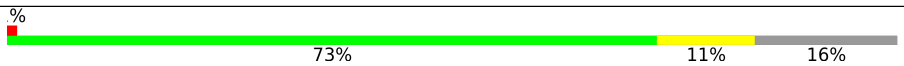
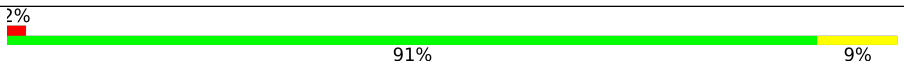
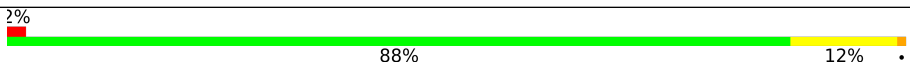
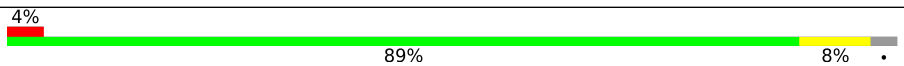
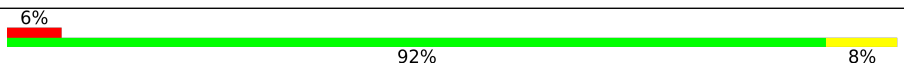
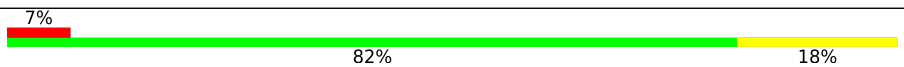
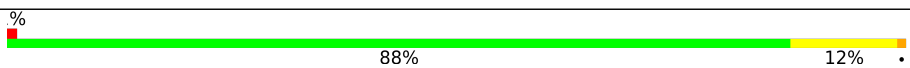
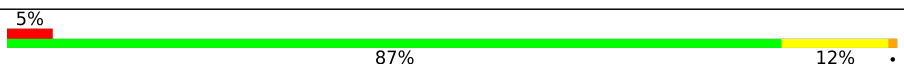
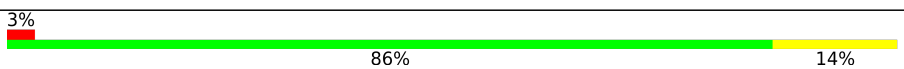
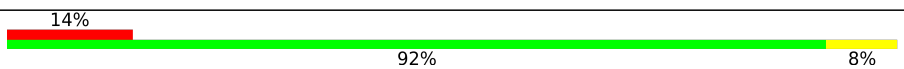
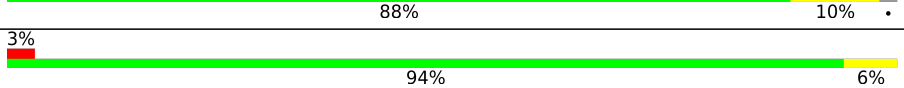
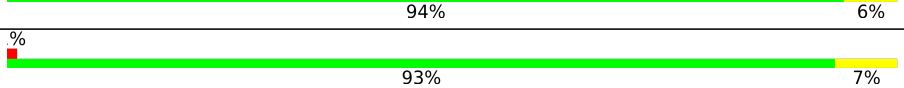
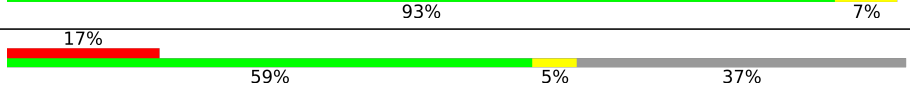
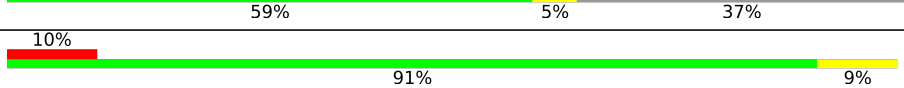
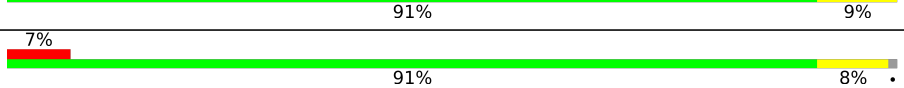
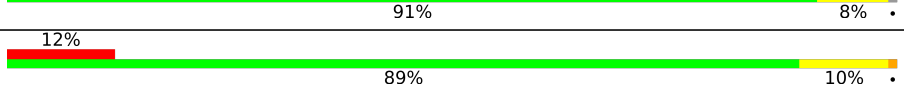
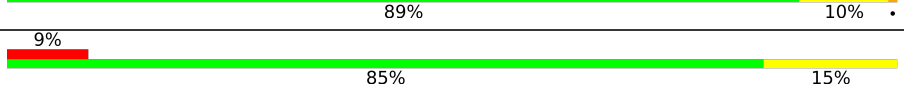
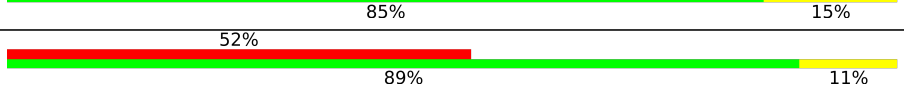
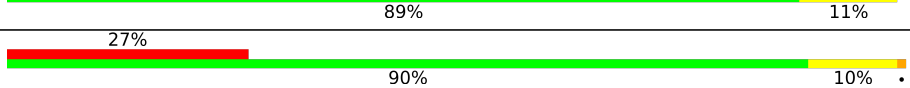
Mol	Chain	Length	Quality of chain
16	M5	203	
16	m5	203	
17	M6	197	
17	m6	197	
18	M7	184	
18	m7	184	
19	M8	185	
19	m8	185	
20	M9	188	
20	m9	188	
21	N0	172	
21	n0	172	
22	N1	159	
22	n1	159	
23	N2	100	
23	n2	100	
24	N3	136	
24	n3	136	
25	N4	155	
26	N5	121	
26	n5	121	
27	N6	126	
27	n6	126	
28	N7	135	
28	n7	135	

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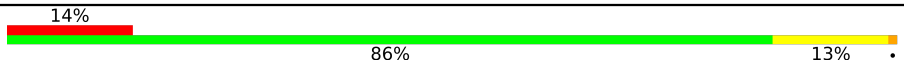
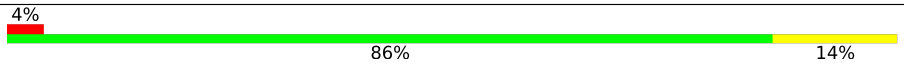
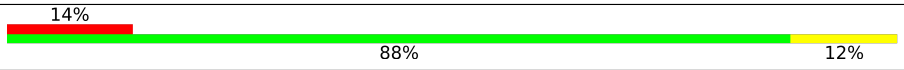
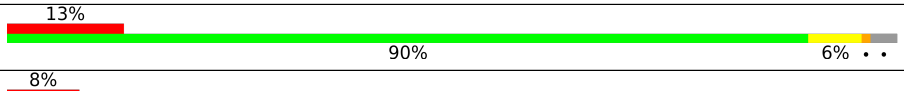
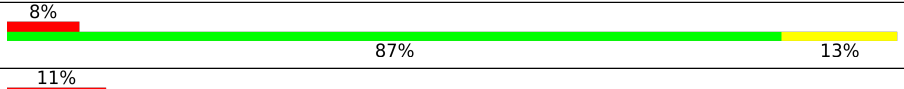
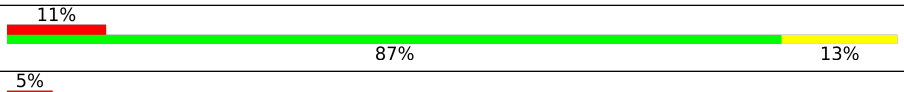
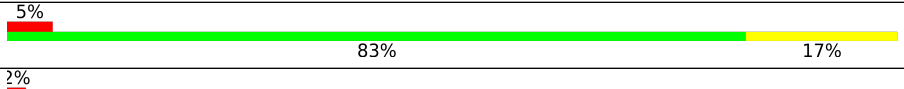
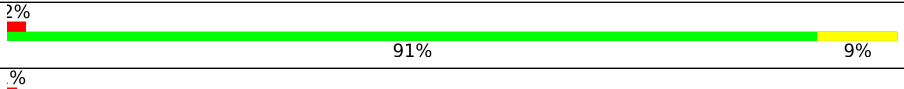
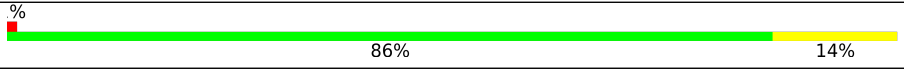
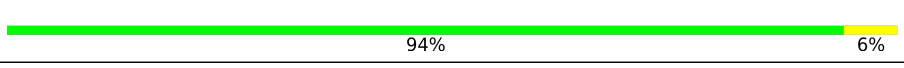
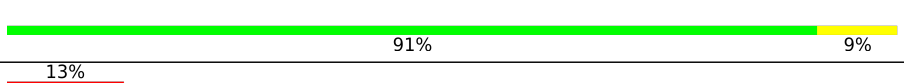
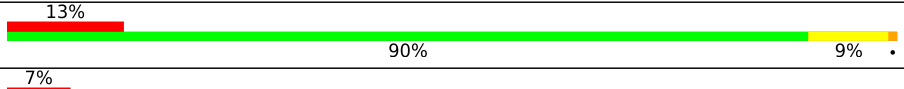
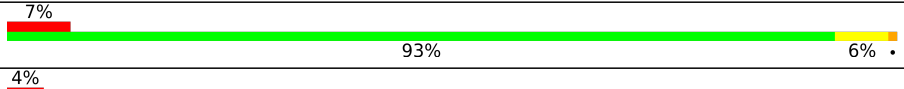
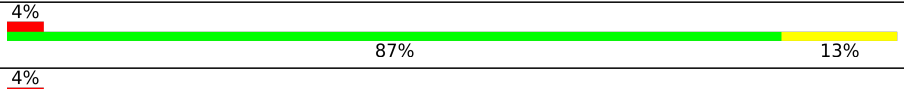
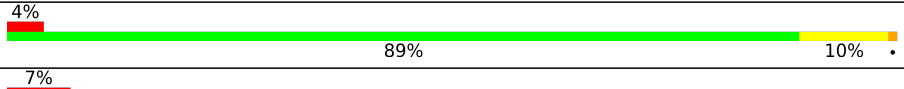
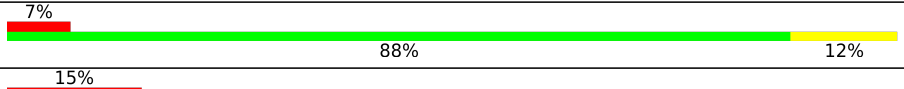
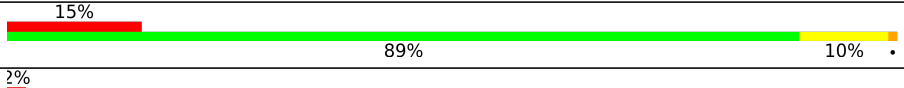
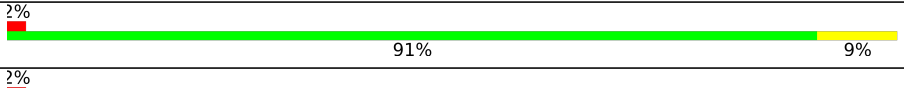
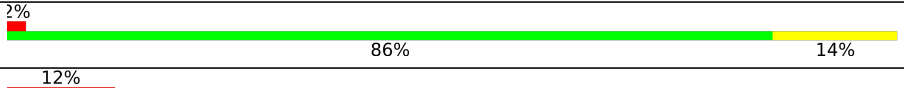
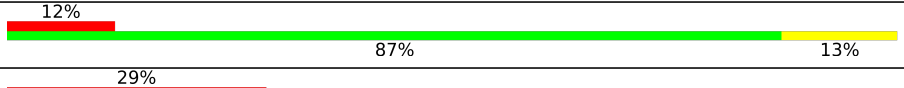
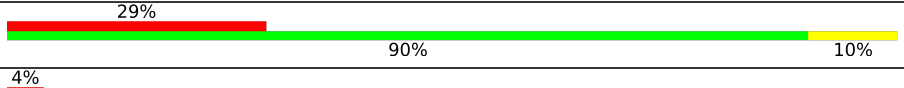
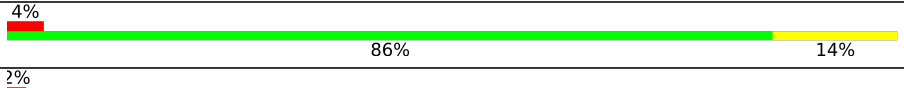
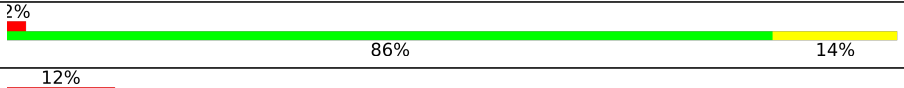
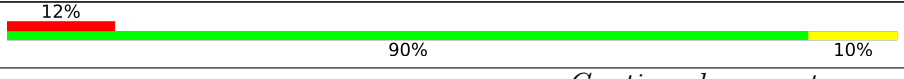
Mol	Chain	Length	Quality of chain
29	N8	148	
29	n8	148	
30	N9	58	
30	n9	58	
31	O0	100	
31	o0	100	
32	O1	109	
32	o1	109	
33	O2	127	
33	o2	127	
34	O3	106	
34	o3	106	
35	O4	112	
35	o4	112	
36	O5	119	
36	o5	119	
37	O6	99	
37	o6	99	
38	O7	87	
38	o7	87	
39	O8	77	
39	o8	77	
40	O9	50	
40	o9	50	
41	Q0	52	

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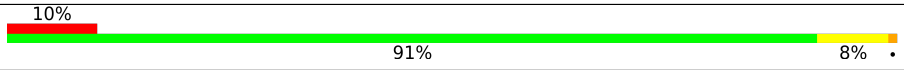
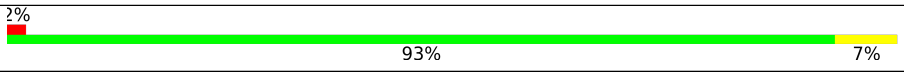
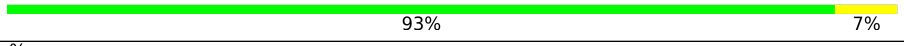
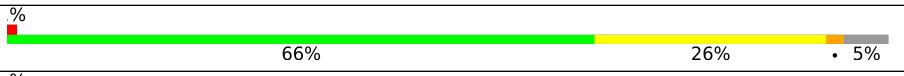
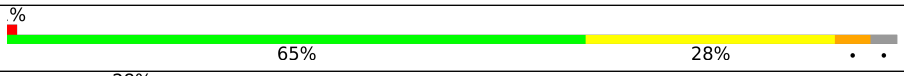
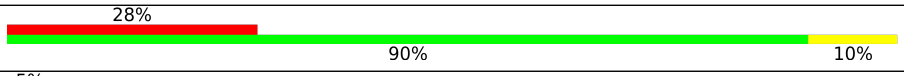
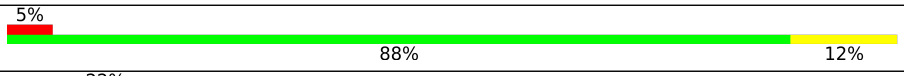
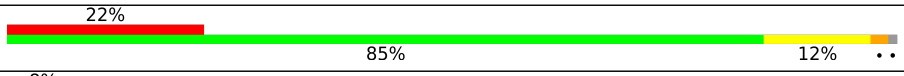
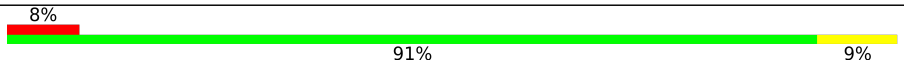
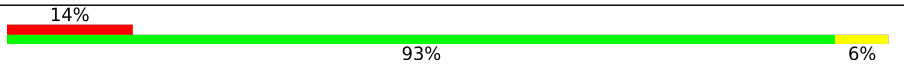
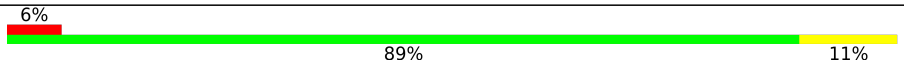
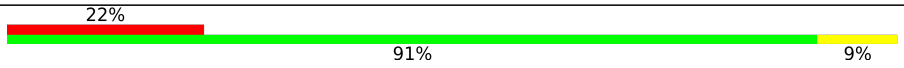
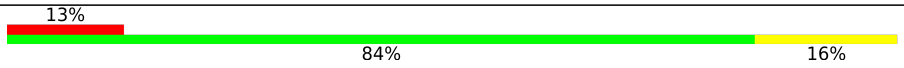
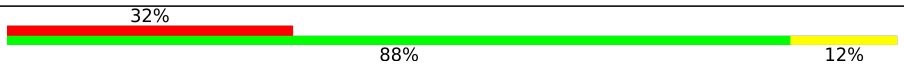
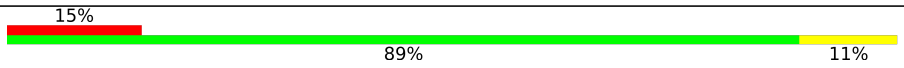
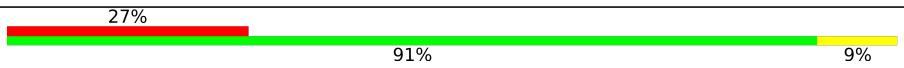
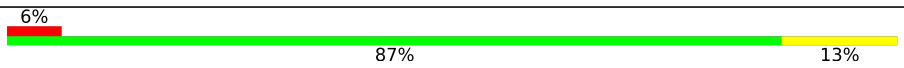
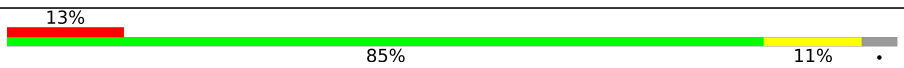
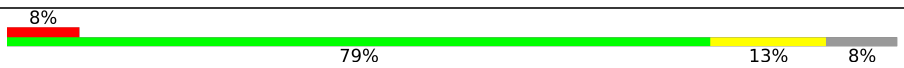
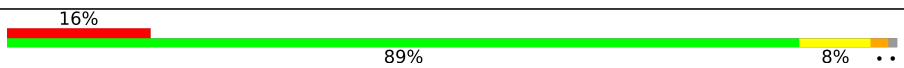
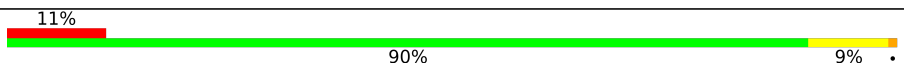
Mol	Chain	Length	Quality of chain
41	q0	52	
42	Q1	25	
42	q1	25	
43	Q2	105	
43	q2	105	
44	Q3	91	
44	q3	91	
45	2	1800	
45	6	1800	
46	S0	206	
46	s0	206	
47	S1	216	
47	s1	216	
48	S2	217	
48	s2	217	
49	S3	223	
49	s3	223	
50	S4	260	
50	s4	260	
51	S5	206	
51	s5	206	
52	S6	236	
52	s6	236	
53	S7	186	
53	s7	186	

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Mol	Chain	Length	Quality of chain
54	S8	200	32% 84% 10% 6%
54	s8	200	10% 86% 8% 7%
55	S9	185	32% 89% 10%
55	s9	185	11% 90% 9%
56	C0	105	24% 77% 13% 9%
56	c0	105	20% 77% 12% 9%
57	C1	156	39% 92% 7%
57	c1	156	9% 79% 12% 9%
58	C2	143	43% 78% 8% 13%
58	c2	143	36% 76% 9% 13%
59	C3	150	8% 93% 7%
59	c3	150	% 86% 13%
60	C4	128	29% 88% 12%
60	c4	128	9% 88% 11%
61	C5	141	25% 78% 9% 12%
61	c5	141	5% 87% 9%
62	C6	142	39% 87% 11%
62	c6	142	3% 88% 12%
63	C7	136	23% 71% 16% 12%
63	c7	136	6% 74% 12% 14%
64	C8	145	35% 88% 12%
64	c8	145	% 86% 12%
65	C9	143	22% 91% 8%
65	c9	143	2% 90% 10%
66	D0	110	26% 85% 11%

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Mol	Chain	Length	Quality of chain
66	d0	110	27% 80% 18%
67	D1	87	30% 87% 13%
67	d1	87	8% 89% 11%
68	D2	129	22% 88% 11%
68	d2	129	4% 88% 11%
69	D3	144	11% 91% 9%
69	d3	144	% 92% 8%
70	D4	134	20% 90% 10%
70	d4	134	11% 89% 9%
71	D5	70	69% 77% 23%
71	d5	70	4% 93%
72	D6	97	26% 81% 18%
72	d6	97	2% 88% 11%
73	D7	81	42% 89% 11%
73	d7	81	12% 90% 10%
74	D8	63	46% 90% 10%
74	d8	63	27% 75% 25%
75	D9	53	30% 81% 19%
75	d9	53	9% 79% 21%
76	E0	62	29% 85% 11%
76	e0	62	10% 85% 13%
77	E1	72	32% 85% 14%
77	e1	72	29% 78% 19%
78	SR	318	47% 93% 7%
78	sR	318	15% 92% 8%

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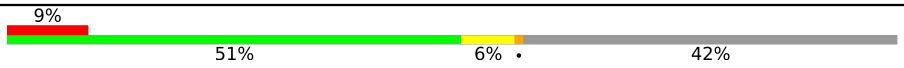
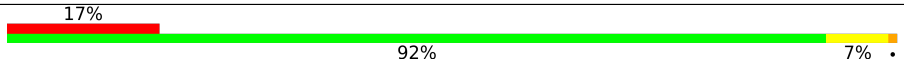
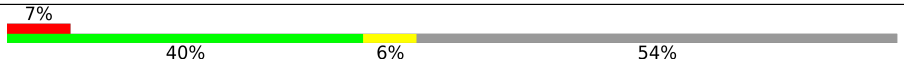
Mol	Chain	Length	Quality of chain
79	SM	272	
79	sM	272	
80	m2	165	
81	n4	135	
82	p0	312	
83	p1	47	

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
84	MG	1	3444	-	-	-	X
84	MG	1	3447	-	-	-	X
84	MG	1	3461	-	-	-	X
84	MG	1	3481	-	-	-	X
84	MG	1	3483	-	-	-	X
84	MG	1	3493	-	-	-	X
84	MG	1	3495	-	-	-	X
84	MG	1	3499	-	-	-	X
84	MG	1	3508	-	-	-	X
84	MG	1	3510	-	-	-	X
84	MG	1	3514	-	-	-	X
84	MG	1	3515	-	-	-	X
84	MG	1	3521	-	-	-	X
84	MG	1	3545	-	-	-	X
84	MG	1	3627	-	-	-	X
84	MG	1	3628	-	-	-	X
84	MG	1	3667	-	-	-	X
84	MG	1	3726	-	-	-	X
84	MG	1	3738	-	-	-	X
84	MG	1	3742	-	-	-	X
84	MG	1	3758	-	-	-	X
84	MG	1	3759	-	-	-	X
84	MG	1	3763	-	-	-	X
84	MG	1	3764	-	-	-	X
84	MG	1	3769	-	-	-	X
84	MG	1	3782	-	-	-	X
84	MG	1	3803	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
84	MG	1	3804	-	-	-	X
84	MG	1	3815	-	-	-	X
84	MG	1	3816	-	-	-	X
84	MG	1	3818	-	-	-	X
84	MG	1	3820	-	-	-	X
84	MG	1	3823	-	-	-	X
84	MG	1	3827	-	-	-	X
84	MG	1	3829	-	-	-	X
84	MG	1	3842	-	-	-	X
84	MG	1	3847	-	-	-	X
84	MG	1	3865	-	-	-	X
84	MG	1	3873	-	-	-	X
84	MG	1	3876	-	-	-	X
84	MG	1	3879	-	-	-	X
84	MG	1	3880	-	-	-	X
84	MG	1	3932	-	-	-	X
84	MG	1	3934	-	-	-	X
84	MG	1	3948	-	-	-	X
84	MG	1	3950	-	-	-	X
84	MG	1	3952	-	-	-	X
84	MG	1	3955	-	-	-	X
84	MG	1	3985	-	-	-	X
84	MG	2	1913	-	-	-	X
84	MG	2	1929	-	-	-	X
84	MG	2	1931	-	-	-	X
84	MG	2	1940	-	-	-	X
84	MG	2	1977	-	-	-	X
84	MG	2	1978	-	-	-	X
84	MG	2	1979	-	-	-	X
84	MG	2	1980	-	-	-	X
84	MG	2	1984	-	-	-	X
84	MG	2	2001	-	-	-	X
84	MG	2	2004	-	-	-	X
84	MG	2	2015	-	-	-	X
84	MG	2	2017	-	-	-	X
84	MG	3	206	-	-	-	X
84	MG	3	208	-	-	-	X
84	MG	4	206	-	-	-	X
84	MG	4	208	-	-	-	X
84	MG	4	221	-	-	-	X
84	MG	5	3442	-	-	-	X
84	MG	5	3469	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
84	MG	5	3492	-	-	-	X
84	MG	5	3524	-	-	-	X
84	MG	5	3526	-	-	-	X
84	MG	5	3542	-	-	-	X
84	MG	5	3558	-	-	-	X
84	MG	5	3563	-	-	-	X
84	MG	5	3564	-	-	-	X
84	MG	5	3574	-	-	-	X
84	MG	5	3577	-	-	-	X
84	MG	5	3583	-	-	-	X
84	MG	5	3588	-	-	-	X
84	MG	5	3591	-	-	-	X
84	MG	5	3593	-	-	-	X
84	MG	5	3594	-	-	-	X
84	MG	5	3601	-	-	-	X
84	MG	5	3624	-	-	-	X
84	MG	5	3634	-	-	-	X
84	MG	5	3645	-	-	-	X
84	MG	5	3664	-	-	-	X
84	MG	5	3697	-	-	-	X
84	MG	5	3706	-	-	-	X
84	MG	5	3751	-	-	-	X
84	MG	5	3755	-	-	-	X
84	MG	5	3766	-	-	-	X
84	MG	5	3768	-	-	-	X
84	MG	5	3775	-	-	-	X
84	MG	5	3813	-	-	-	X
84	MG	5	3855	-	-	-	X
84	MG	5	3859	-	-	-	X
84	MG	5	3863	-	-	-	X
84	MG	5	3868	-	-	-	X
84	MG	5	3869	-	-	-	X
84	MG	5	3878	-	-	-	X
84	MG	5	3896	-	-	-	X
84	MG	5	3904	-	-	-	X
84	MG	5	3915	-	-	-	X
84	MG	5	3934	-	-	-	X
84	MG	5	3936	-	-	-	X
84	MG	5	3948	-	-	-	X
84	MG	5	3954	-	-	-	X
84	MG	5	3958	-	-	-	X
84	MG	5	3965	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
84	MG	5	3966	-	-	-	X
84	MG	5	3970	-	-	-	X
84	MG	5	3974	-	-	-	X
84	MG	5	3975	-	-	-	X
84	MG	5	3984	-	-	-	X
84	MG	5	4007	-	-	-	X
84	MG	5	4030	-	-	-	X
84	MG	5	4046	-	-	-	X
84	MG	5	4052	-	-	-	X
84	MG	5	4097	-	-	-	X
84	MG	5	4129	-	-	-	X
84	MG	6	1901	-	-	-	X
84	MG	6	1903	-	-	-	X
84	MG	6	1933	-	-	-	X
84	MG	6	1940	-	-	-	X
84	MG	6	1944	-	-	-	X
84	MG	6	1945	-	-	-	X
84	MG	6	1960	-	-	-	X
84	MG	6	1967	-	-	-	X
84	MG	6	1968	-	-	-	X
84	MG	6	1989	-	-	-	X
84	MG	6	1991	-	-	-	X
84	MG	6	1992	-	-	-	X
84	MG	6	1993	-	-	-	X
84	MG	6	2090	-	-	-	X
84	MG	6	2106	-	-	-	X
84	MG	6	2107	-	-	-	X
84	MG	6	2121	-	-	-	X
84	MG	8	201	-	-	-	X
84	MG	8	213	-	-	-	X
84	MG	8	216	-	-	-	X
84	MG	D3	204	-	-	-	X
84	MG	S2	301	-	-	-	X
84	MG	c1	201	-	-	-	X
84	MG	c3	201	-	-	-	X
84	MG	d1	101	-	-	-	X
84	MG	d3	201	-	-	-	X
84	MG	l3	406	-	-	-	X
84	MG	l3	408	-	-	-	X
84	MG	l8	301	-	-	-	X
84	MG	m6	208	-	-	-	X
84	MG	m7	207	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
84	MG	m8	202	-	-	-	X

2 Entry composition (i)

There are 87 unique types of molecules in this entry. The entry contains 404238 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 25S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1	3100	Total	C	N	O	P	0	0	0
			66304	29617	11950	21637	3100			
1	5	3134	Total	C	N	O	P	0	0	0
			67039	29943	12089	21873	3134			

- Molecule 2 is a RNA chain called 5S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	3	121	Total	C	N	O	P	0	0	0
			2579	1152	461	845	121			
2	7	121	Total	C	N	O	P	0	0	0
			2579	1152	461	845	121			

- Molecule 3 is a RNA chain called 5.8S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	4	156	Total	C	N	O	P	0	0	0
			3313	1482	582	1093	156			
3	8	158	Total	C	N	O	P	0	0	0
			3353	1500	586	1109	158			

- Molecule 4 is a protein called 60S ribosomal protein L2-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	L2	252	Total	C	N	O	S	0	0	0
			1914	1191	388	334	1			
4	l2	252	Total	C	N	O	S	0	0	0
			1912	1190	388	333	1			

- Molecule 5 is a protein called 60S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	L3	386	Total	C	N	O	S	0	0	0
			3081	1956	584	533	8			
5	l3	386	Total	C	N	O	S	0	0	0
			3081	1956	584	533	8			

- Molecule 6 is a protein called 60S ribosomal protein L4-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	L4	361	Total	C	N	O	S	0	0	0
			2749	1730	522	494	3			
6	l4	361	Total	C	N	O	S	0	0	0
			2749	1730	522	494	3			

- Molecule 7 is a protein called 60S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	L5	296	Total	C	N	O	S	0	0	0
			2375	1501	414	458	2			
7	l5	294	Total	C	N	O	S	0	0	0
			2359	1489	412	456	2			

- Molecule 8 is a protein called 60S ribosomal protein L6-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	L6	156	Total	C	N	O	S	0	0	0
			1239	800	222	216	1			
8	l6	157	Total	C	N	O	S	0	0	0
			1248	806	224	217	1			

- Molecule 9 is a protein called 60S ribosomal protein L7-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	L7	222	Total	C	N	O	S	0	0	0
			1784	1151	324	308	1			
9	l7	223	Total	C	N	O	S	0	0	0
			1791	1155	325	310	1			

- Molecule 10 is a protein called 60S ribosomal protein L8-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	L8	233	Total	C	N	O	S	0	0	0
			1817	1159	326	329	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	l8	231	Total	C	N	O	S	0	0	0
			1763	1130	316	314	3			

- Molecule 11 is a protein called 60S ribosomal protein L9-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	L9	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			
11	l9	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			

- Molecule 12 is a protein called 60S ribosomal protein L10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	M0	212	Total	C	N	O	S	0	0	0
			1707	1084	323	295	5			
12	m0	211	Total	C	N	O	S	0	0	0
			1716	1090	324	296	6			

- Molecule 13 is a protein called 60S ribosomal protein L11-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	M1	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			
13	m1	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			

- Molecule 14 is a protein called 60S ribosomal protein L13-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	M3	193	Total	C	N	O	0	0	0
			1543	962	315	266			
14	m3	194	Total	C	N	O	0	0	0
			1548	965	316	267			

- Molecule 15 is a protein called 60S ribosomal protein L14-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	M4	136	Total	C	N	O	S	0	0	0
			1053	675	199	177	2			
15	m4	137	Total	C	N	O	S	0	0	0
			1059	678	200	179	2			

- Molecule 16 is a protein called 60S ribosomal protein L15-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	M5	203	Total	C	N	O	S	0	0	0
			1720	1077	361	281	1			
16	m5	203	Total	C	N	O	S	0	0	0
			1720	1077	361	281	1			

- Molecule 17 is a protein called 60S ribosomal protein L16-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	M6	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			
17	m6	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			

- Molecule 18 is a protein called 60S ribosomal protein L17-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	M7	183	Total	C	N	O	0	0	0
			1415	877	281	257			
18	m7	155	Total	C	N	O	0	0	0
			1227	764	238	225			

- Molecule 19 is a protein called 60S ribosomal protein L18-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	M8	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			
19	m8	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			

- Molecule 20 is a protein called 60S ribosomal protein L19-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
20	M9	182	Total	C	N	O	0	0	0
			1474	905	319	250			
20	m9	188	Total	C	N	O	0	0	0
			1521	935	326	260			

- Molecule 21 is a protein called 60S ribosomal protein L20-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	N0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			
21	n0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			

- Molecule 22 is a protein called 60S ribosomal protein L21-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	N1	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			
22	n1	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			

- Molecule 23 is a protein called 60S ribosomal protein L22-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
23	N2	100	Total	C	N	O	0	0	0
			796	516	131	149			
23	n2	98	Total	C	N	O	0	0	0
			778	505	127	146			

- Molecule 24 is a protein called 60S ribosomal protein L23-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	N3	136	Total	C	N	O	S	0	0	0
			1003	628	189	179	7			
24	n3	136	Total	C	N	O	S	0	0	0
			1003	628	189	179	7			

- Molecule 25 is a protein called 60S ribosomal protein L24-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	N4	98	Total	C	N	O	S	0	0	0
			699	443	137	118	1			

- Molecule 26 is a protein called 60S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	N5	121	Total	C	N	O	S	0	0	0
			964	620	169	173	2			
26	n5	120	Total	C	N	O	S	0	0	0
			959	617	168	172	2			

- Molecule 27 is a protein called 60S ribosomal protein L26-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
27	N6	126	Total	C	N	O	0	0	0
			993	625	192	176			
27	n6	126	Total	C	N	O	0	0	0
			993	625	192	176			

- Molecule 28 is a protein called 60S ribosomal protein L27-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
28	N7	135	Total	C	N	O	0	0	0
			1092	710	202	180			
28	n7	135	Total	C	N	O	0	0	0
			1092	710	202	180			

- Molecule 29 is a protein called 60S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	N8	148	Total	C	N	O	S	0	0	0
			1173	749	231	190	3			
29	n8	148	Total	C	N	O	S	0	0	0
			1173	749	231	190	3			

- Molecule 30 is a protein called 60S ribosomal protein L29.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
30	N9	58	Total	C	N	O	0	0	0
			462	289	100	73			
30	n9	58	Total	C	N	O	0	0	0
			462	289	100	73			

- Molecule 31 is a protein called 60S ribosomal protein L30.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	O0	97	Total	C	N	O	S	0	0	0
			743	479	124	139	1			
31	o0	100	Total	C	N	O	S	0	0	0
			767	492	128	146	1			

- Molecule 32 is a protein called 60S ribosomal protein L31-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	O1	109	Total	C	N	O	S	0	0	0
			890	565	168	156	1			
32	o1	109	Total	C	N	O	S	0	0	0
			890	565	168	156	1			

- Molecule 33 is a protein called 60S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	O2	127	Total	C	N	O	S	0	0	0
			1020	647	205	167	1			
33	o2	127	Total	C	N	O	S	0	0	0
			1020	647	205	167	1			

- Molecule 34 is a protein called 60S ribosomal protein L33-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	O3	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			
34	o3	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			

- Molecule 35 is a protein called 60S ribosomal protein L34-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	O4	112	Total	C	N	O	S	0	0	0
			881	546	179	152	4			
35	o4	112	Total	C	N	O	S	0	0	0
			881	546	179	152	4			

- Molecule 36 is a protein called 60S ribosomal protein L35-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	O5	119	Total	C	N	O	S	0	0	0
			969	615	186	167	1			
36	o5	119	Total	C	N	O	S	0	0	0
			969	615	186	167	1			

- Molecule 37 is a protein called 60S ribosomal protein L36-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	O6	99	Total	C	N	O	S	0	0	0
			771	481	156	132	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	o6	99	Total	C	N	O	S	0	0	0
			771	481	156	132	2			

- Molecule 38 is a protein called 60S ribosomal protein L37-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	O7	87	Total	C	N	O	S	0	0	0
			681	414	148	114	5			
38	o7	87	Total	C	N	O	S	0	0	0
			681	414	148	114	5			

- Molecule 39 is a protein called 60S ribosomal protein L38.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	O8	77	Total	C	N	O	0	0	0
			612	391	115	106			
39	o8	77	Total	C	N	O	0	0	0
			612	391	115	106			

- Molecule 40 is a protein called 60S ribosomal protein L39.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	O9	50	Total	C	N	O	S	0	0	0
			436	272	97	65	2			
40	o9	50	Total	C	N	O	S	0	0	0
			436	272	97	65	2			

- Molecule 41 is a protein called Ubiquitin-60S ribosomal protein L40.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	Q0	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			
41	q0	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			

- Molecule 42 is a protein called 60S ribosomal protein L41-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	Q1	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			
42	q1	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			

- Molecule 43 is a protein called 60S ribosomal protein L42-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	Q2	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			
43	q2	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			

- Molecule 44 is a protein called 60S ribosomal protein L43-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	Q3	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			
44	q3	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			

- Molecule 45 is a RNA chain called 18S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	2	1712	Total	C	N	O	P	0	0	0
			36488	16313	6466	11997	1712			
45	6	1739	Total	C	N	O	P	0	0	0
			37060	16570	6568	12183	1739			

- Molecule 46 is a protein called 40S ribosomal protein S0-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	S0	206	Total	C	N	O	S	0	0	0
			1612	1034	285	291	2			
46	s0	206	Total	C	N	O	S	0	0	0
			1612	1034	285	291	2			

- Molecule 47 is a protein called 40S ribosomal protein S1-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	S1	214	Total	C	N	O	S	0	0	0
			1709	1084	310	311	4			
47	s1	216	Total	C	N	O	S	0	0	0
			1722	1091	312	315	4			

- Molecule 48 is a protein called 40S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	S2	217	Total	C	N	O	S	0	0	0
			1635	1047	289	297	2			
48	s2	217	Total	C	N	O	S	0	0	0
			1635	1047	289	297	2			

- Molecule 49 is a protein called 40S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	S3	223	Total	C	N	O	S	0	0	0
			1734	1101	313	314	6			
49	s3	223	Total	C	N	O	S	0	0	0
			1728	1098	310	314	6			

- Molecule 50 is a protein called 40S ribosomal protein S4-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	S4	260	Total	C	N	O	S	0	0	0
			2068	1316	389	360	3			
50	s4	260	Total	C	N	O	S	0	0	0
			2068	1316	389	360	3			

- Molecule 51 is a protein called 40S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	S5	206	Total	C	N	O	S	0	0	0
			1609	1007	300	299	3			
51	s5	206	Total	C	N	O	S	0	0	0
			1609	1007	300	299	3			

- Molecule 52 is a protein called 40S ribosomal protein S6-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	S6	226	Total	C	N	O	S	0	0	0
			1813	1137	350	323	3			
52	s6	218	Total	C	N	O	S	0	0	0
			1755	1102	337	313	3			

- Molecule 53 is a protein called 40S ribosomal protein S7-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	S7	184	Total	C	N	O	0	0	0
			1481	951	265	265			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	s7	186	Total 1491	C 957	N 267	O 267	0	0	0

- Molecule 54 is a protein called 40S ribosomal protein S8-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	S8	188	Total 1489	C 925	N 298	O 264	S 2	0	0	0
54	s8	186	Total 1471	C 913	N 294	O 262	S 2	0	0	0

- Molecule 55 is a protein called 40S ribosomal protein S9-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	S9	185	Total 1494	C 943	N 289	O 261	S 1	0	0	0
55	s9	185	Total 1494	C 943	N 289	O 261	S 1	0	0	0

- Molecule 56 is a protein called 40S ribosomal protein S10-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	C0	96	Total 772	C 499	N 126	O 145	S 2	0	0	0
56	c0	96	Total 761	C 490	N 125	O 144	S 2	0	0	0

- Molecule 57 is a protein called 40S ribosomal protein S11-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
57	C1	155	Total 1213	C 774	N 230	O 206	S 3	0	0	0
57	c1	142	Total 1138	C 729	N 217	O 189	S 3	0	0	0

- Molecule 58 is a protein called 40S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
58	C2	124	Total 890	C 560	N 156	O 172	S 2	0	0	0
58	c2	124	Total 890	C 560	N 156	O 172	S 2	0	0	0

- Molecule 59 is a protein called 40S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
59	C3	150	Total	C	N	O	S	0	0	0
			1192	759	224	207	2			
59	c3	150	Total	C	N	O	S	0	0	0
			1192	759	224	207	2			

- Molecule 60 is a protein called 40S ribosomal protein S14-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
60	C4	127	Total	C	N	O	S	0	0	0
			891	545	182	163	1			
60	c4	128	Total	C	N	O	S	0	0	0
			949	582	188	176	3			

- Molecule 61 is a protein called 40S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
61	C5	124	Total	C	N	O	S	0	0	0
			977	622	182	166	7			
61	c5	135	Total	C	N	O	S	0	0	0
			1039	658	196	178	7			

- Molecule 62 is a protein called 40S ribosomal protein S16-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
62	C6	141	Total	C	N	O	0	0	0
			1105	708	203	194			
62	c6	142	Total	C	N	O	0	0	0
			1111	711	204	196			

- Molecule 63 is a protein called 40S ribosomal protein S17-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
63	C7	120	Total	C	N	O	S	0	0	0
			965	603	183	177	2			
63	c7	117	Total	C	N	O	S	0	0	0
			917	569	175	171	2			

- Molecule 64 is a protein called 40S ribosomal protein S18-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
64	C8	145	Total	C	N	O	S	0	0	0
			1192	743	237	210	2			
64	c8	145	Total	C	N	O	S	0	0	0
			1192	743	237	210	2			

- Molecule 65 is a protein called 40S ribosomal protein S19-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
65	C9	143	Total	C	N	O	S	0	0	0
			1112	694	208	208	2			
65	c9	143	Total	C	N	O	S	0	0	0
			1112	694	208	208	2			

- Molecule 66 is a protein called 40S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
66	D0	107	Total	C	N	O	S	0	0	0
			855	539	156	159	1			
66	d0	110	Total	C	N	O	S	0	0	0
			882	554	161	166	1			

- Molecule 67 is a protein called 40S ribosomal protein S21-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
67	D1	87	Total	C	N	O	S	0	0	0
			684	420	125	137	2			
67	d1	87	Total	C	N	O	S	0	0	0
			684	420	125	137	2			

- Molecule 68 is a protein called 40S ribosomal protein S22-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
68	D2	129	Total	C	N	O	S	0	0	0
			1021	650	188	180	3			
68	d2	129	Total	C	N	O	S	0	0	0
			1021	650	188	180	3			

- Molecule 69 is a protein called 40S ribosomal protein S23-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
69	D3	144	Total	C	N	O	S	0	0	0
			1121	708	220	191	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
69	d3	144	Total	C	N	O	S	0	0	0
			1121	708	220	191	2			

- Molecule 70 is a protein called 40S ribosomal protein S24-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
70	D4	134	Total	C	N	O	0	0	0
			1073	676	208	189			
70	d4	133	Total	C	N	O	0	0	0
			1065	672	207	186			

- Molecule 71 is a protein called 40S ribosomal protein S25-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
71	D5	70	Total	C	N	O	0	0	0
			563	360	104	99			
71	d5	69	Total	C	N	O	0	0	0
			558	357	103	98			

- Molecule 72 is a protein called 40S ribosomal protein S26-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
72	D6	97	Total	C	N	O	S	0	0	0
			769	475	160	129	5			
72	d6	97	Total	C	N	O	S	0	0	0
			769	475	160	129	5			

- Molecule 73 is a protein called 40S ribosomal protein S27-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
73	D7	81	Total	C	N	O	S	0	0	0
			610	382	110	113	5			
73	d7	81	Total	C	N	O	S	0	0	0
			610	382	110	113	5			

- Molecule 74 is a protein called 40S ribosomal protein S28-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
74	D8	63	Total	C	N	O	S	0	0	0
			497	306	99	91	1			
74	d8	63	Total	C	N	O	S	0	0	0
			497	306	99	91	1			

- Molecule 75 is a protein called 40S ribosomal protein S29-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
75	D9	53	Total	C	N	O	S	0	0	0
			443	275	92	72	4			
75	d9	53	Total	C	N	O	S	0	0	0
			443	275	92	72	4			

- Molecule 76 is a protein called 40S ribosomal protein S30-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
76	E0	60	Total	C	N	O	S	0	0	0
			475	299	98	77	1			
76	e0	62	Total	C	N	O	S	0	0	0
			491	309	101	80	1			

- Molecule 77 is a protein called Ubiquitin-40S ribosomal protein S31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
77	E1	71	Total	C	N	O	S	0	0	0
			566	362	106	94	4			
77	e1	72	Total	C	N	O	S	0	0	0
			575	368	108	95	4			

- Molecule 78 is a protein called Guanine nucleotide-binding protein subunit beta-like protein.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
78	SR	318	Total	C	N	O	S	0	0	0
			2441	1543	418	472	8			
78	sR	318	Total	C	N	O	S	0	0	0
			2441	1543	418	472	8			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
SR	161	ALA	LYS	conflict	UNP P38011
sR	161	ALA	LYS	conflict	UNP P38011

- Molecule 79 is a protein called Suppressor protein STM1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
79	SM	159	Total	C	N	O	0	0	0
			1104	652	221	231			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
79	sM	129	Total 923	C 546	N 184	O 193	0	0	0

- Molecule 80 is a protein called 60S ribosomal protein L12.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
80	m2	150	Total 750	C 450	N 150	O 150	0	0	0

- Molecule 81 is a protein called 60S ribosomal protein L24-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
81	n4	135	Total 1044	C 654	N 209	O 180	S 1	0	0	0

- Molecule 82 is a protein called 60S acidic ribosomal protein P0.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
82	p0	143	Total 1077	C 687	N 192	O 195	S 3	0	0	0

- Molecule 83 is a protein called Ribosomal protein P1 alpha.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
83	p1	47	Total 235	C 141	N 47	O 47	0	0	0

- Molecule 84 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
84	1	588	Total 588	Mg 588	0	0
84	3	19	Total 19	Mg 19	0	0
84	4	23	Total 23	Mg 23	0	0
84	L2	5	Total 5	Mg 5	0	0
84	L3	3	Total 3	Mg 3	0	0
84	L4	6	Total 6	Mg 6	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
84	L5	1	Total Mg 1 1	0	0
84	L7	1	Total Mg 1 1	0	0
84	L8	1	Total Mg 1 1	0	0
84	L9	1	Total Mg 1 1	0	0
84	M0	4	Total Mg 4 4	0	0
84	M3	5	Total Mg 5 5	0	0
84	M5	5	Total Mg 5 5	0	0
84	M6	1	Total Mg 1 1	0	0
84	M7	5	Total Mg 5 5	0	0
84	M8	1	Total Mg 1 1	0	0
84	N0	4	Total Mg 4 4	0	0
84	N1	2	Total Mg 2 2	0	0
84	N3	4	Total Mg 4 4	0	0
84	N4	1	Total Mg 1 1	0	0
84	N5	1	Total Mg 1 1	0	0
84	N8	3	Total Mg 3 3	0	0
84	O2	4	Total Mg 4 4	0	0
84	O3	1	Total Mg 1 1	0	0
84	O4	3	Total Mg 3 3	0	0
84	O6	1	Total Mg 1 1	0	0
84	O7	3	Total Mg 3 3	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
84	Q1	1	Total Mg 1 1	0	0
84	Q2	4	Total Mg 4 4	0	0
84	2	142	Total Mg 142 142	0	0
84	S1	1	Total Mg 1 1	0	0
84	S2	1	Total Mg 1 1	0	0
84	S3	1	Total Mg 1 1	0	0
84	S4	1	Total Mg 1 1	0	0
84	C1	1	Total Mg 1 1	0	0
84	C3	1	Total Mg 1 1	0	0
84	C8	1	Total Mg 1 1	0	0
84	D3	5	Total Mg 5 5	0	0
84	5	750	Total Mg 750 750	0	0
84	7	30	Total Mg 30 30	0	0
84	8	20	Total Mg 20 20	0	0
84	l2	5	Total Mg 5 5	0	0
84	l3	11	Total Mg 11 11	0	0
84	l4	2	Total Mg 2 2	0	0
84	l5	6	Total Mg 6 6	0	0
84	l6	2	Total Mg 2 2	0	0
84	l7	3	Total Mg 3 3	0	0
84	l8	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
84	l9	8	Total Mg 8 8	0	0
84	m0	2	Total Mg 2 2	0	0
84	m3	4	Total Mg 4 4	0	0
84	m4	6	Total Mg 6 6	0	0
84	m5	3	Total Mg 3 3	0	0
84	m6	8	Total Mg 8 8	0	0
84	m7	7	Total Mg 7 7	0	0
84	m8	4	Total Mg 4 4	0	0
84	m9	2	Total Mg 2 2	0	0
84	n0	7	Total Mg 7 7	0	0
84	n1	2	Total Mg 2 2	0	0
84	n3	2	Total Mg 2 2	0	0
84	n5	3	Total Mg 3 3	0	0
84	n8	3	Total Mg 3 3	0	0
84	n9	1	Total Mg 1 1	0	0
84	o1	1	Total Mg 1 1	0	0
84	o2	3	Total Mg 3 3	0	0
84	o3	2	Total Mg 2 2	0	0
84	o4	2	Total Mg 2 2	0	0
84	q0	1	Total Mg 1 1	0	0
84	q1	2	Total Mg 2 2	0	0

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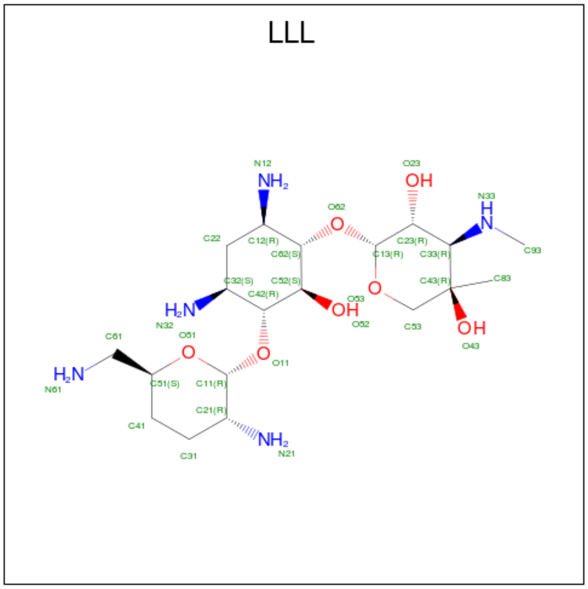
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
84	q2	7	Total Mg 7 7	0	0
84	q3	3	Total Mg 3 3	0	0
84	6	263	Total Mg 263 263	0	0
84	s0	1	Total Mg 1 1	0	0
84	s2	2	Total Mg 2 2	0	0
84	s3	1	Total Mg 1 1	0	0
84	s4	1	Total Mg 1 1	0	0
84	s5	3	Total Mg 3 3	0	0
84	s6	1	Total Mg 1 1	0	0
84	c1	1	Total Mg 1 1	0	0
84	c3	6	Total Mg 6 6	0	0
84	c4	1	Total Mg 1 1	0	0
84	c8	3	Total Mg 3 3	0	0
84	d1	2	Total Mg 2 2	0	0
84	d2	1	Total Mg 1 1	0	0
84	d3	5	Total Mg 5 5	0	0
84	d5	1	Total Mg 1 1	0	0
84	d6	3	Total Mg 3 3	0	0
84	d7	1	Total Mg 1 1	0	0
84	d9	1	Total Mg 1 1	0	0
84	sR	1	Total Mg 1 1	0	0

- Molecule 85 is (2R,3R,4R,5R)-2-((1S,2S,3R,4S,6R)-4,6-DIAMINO-3-((2R,3R,6S)-3-AMINO-6-(AMINOMETHYL)-TETRAHYDRO-2H-PYRAN-2-YLOXY)-2-HYDROXYCYCLOHEXYLOXY)-5-METHYL-4-(METHYLAMINO)-TETRAHYDRO-2H-PYRAN-3,5-DIOL (three-letter code: LLL) (formula: $C_{19}H_{39}N_5O_7$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	1	1	Total C N O 31 19 5 7	0	0
85	3	1	Total C N O 31 19 5 7	0	0
85	4	1	Total C N O 31 19 5 7	0	0
85	L3	1	Total C N O 31 19 5 7	0	0
85	2	1	Total C N O 31 19 5 7	0	0
85	2	1	Total C N O 31 19 5 7	0	0
85	2	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	5	1	Total C N O 31 19 5 7	0	0
85	7	1	Total C N O 31 19 5 7	0	0
85	7	1	Total C N O 31 19 5 7	0	0
85	7	1	Total C N O 31 19 5 7	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	8	1	Total C N O 31 19 5 7	0	0
85	8	1	Total C N O 31 19 5 7	0	0
85	l3	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0
85	6	1	Total C N O 31 19 5 7	0	0

- Molecule 86 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
86	O4	1	Total Zn 1 1	0	0
86	O7	1	Total Zn 1 1	0	0
86	Q0	1	Total Zn 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
86	Q2	1	Total Zn 1 1	0	0
86	Q3	1	Total Zn 1 1	0	0
86	D6	1	Total Zn 1 1	0	0
86	D7	1	Total Zn 1 1	0	0
86	D9	1	Total Zn 1 1	0	0
86	E1	1	Total Zn 1 1	0	0
86	o4	1	Total Zn 1 1	0	0
86	o7	1	Total Zn 1 1	0	0
86	q0	1	Total Zn 1 1	0	0
86	q2	1	Total Zn 1 1	0	0
86	q3	1	Total Zn 1 1	0	0
86	d6	1	Total Zn 1 1	0	0
86	d7	1	Total Zn 1 1	0	0
86	d9	1	Total Zn 1 1	0	0
86	e1	1	Total Zn 1 1	0	0

- Molecule 87 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
87	1	473	Total O 473 473	0	0
87	3	15	Total O 15 15	0	0
87	4	5	Total O 5 5	0	0
87	L2	1	Total O 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
87	L3	7	Total O 7 7	0	0
87	L4	2	Total O 2 2	0	0
87	L5	2	Total O 2 2	0	0
87	M0	1	Total O 1 1	0	0
87	M3	2	Total O 2 2	0	0
87	M5	3	Total O 3 3	0	0
87	M6	6	Total O 6 6	0	0
87	M7	5	Total O 5 5	0	0
87	N0	4	Total O 4 4	0	0
87	N1	3	Total O 3 3	0	0
87	N3	5	Total O 5 5	0	0
87	N4	2	Total O 2 2	0	0
87	N5	2	Total O 2 2	0	0
87	N8	3	Total O 3 3	0	0
87	N9	2	Total O 2 2	0	0
87	O2	2	Total O 2 2	0	0
87	O4	1	Total O 1 1	0	0
87	O7	1	Total O 1 1	0	0
87	Q1	1	Total O 1 1	0	0
87	Q2	1	Total O 1 1	0	0
87	2	111	Total O 111 111	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
87	S1	1	Total O 1 1	0	0
87	S3	3	Total O 3 3	0	0
87	S4	1	Total O 1 1	0	0
87	S8	1	Total O 1 1	0	0
87	C9	2	Total O 2 2	0	0
87	D0	1	Total O 1 1	0	0
87	D3	1	Total O 1 1	0	0
87	SR	2	Total O 2 2	0	0
87	5	514	Total O 514 514	0	0
87	7	33	Total O 33 33	0	0
87	8	11	Total O 11 11	0	0
87	l2	7	Total O 7 7	0	0
87	l3	6	Total O 6 6	0	0
87	l5	5	Total O 5 5	0	0
87	l9	3	Total O 3 3	0	0
87	m0	1	Total O 1 1	0	0
87	m4	1	Total O 1 1	0	0
87	m5	2	Total O 2 2	0	0
87	m6	8	Total O 8 8	0	0
87	m7	4	Total O 4 4	0	0
87	m9	3	Total O 3 3	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
87	n0	4	Total O 4 4	0	0
87	n1	2	Total O 2 2	0	0
87	n3	2	Total O 2 2	0	0
87	n4	1	Total O 1 1	0	0
87	n5	2	Total O 2 2	0	0
87	n6	1	Total O 1 1	0	0
87	n8	4	Total O 4 4	0	0
87	n9	1	Total O 1 1	0	0
87	o0	1	Total O 1 1	0	0
87	o1	2	Total O 2 2	0	0
87	o2	4	Total O 4 4	0	0
87	o4	2	Total O 2 2	0	0
87	q0	1	Total O 1 1	0	0
87	q2	2	Total O 2 2	0	0
87	q3	3	Total O 3 3	0	0
87	6	224	Total O 224 224	0	0
87	s4	1	Total O 1 1	0	0
87	s5	1	Total O 1 1	0	0
87	s7	1	Total O 1 1	0	0
87	c3	5	Total O 5 5	0	0
87	c6	1	Total O 1 1	0	0

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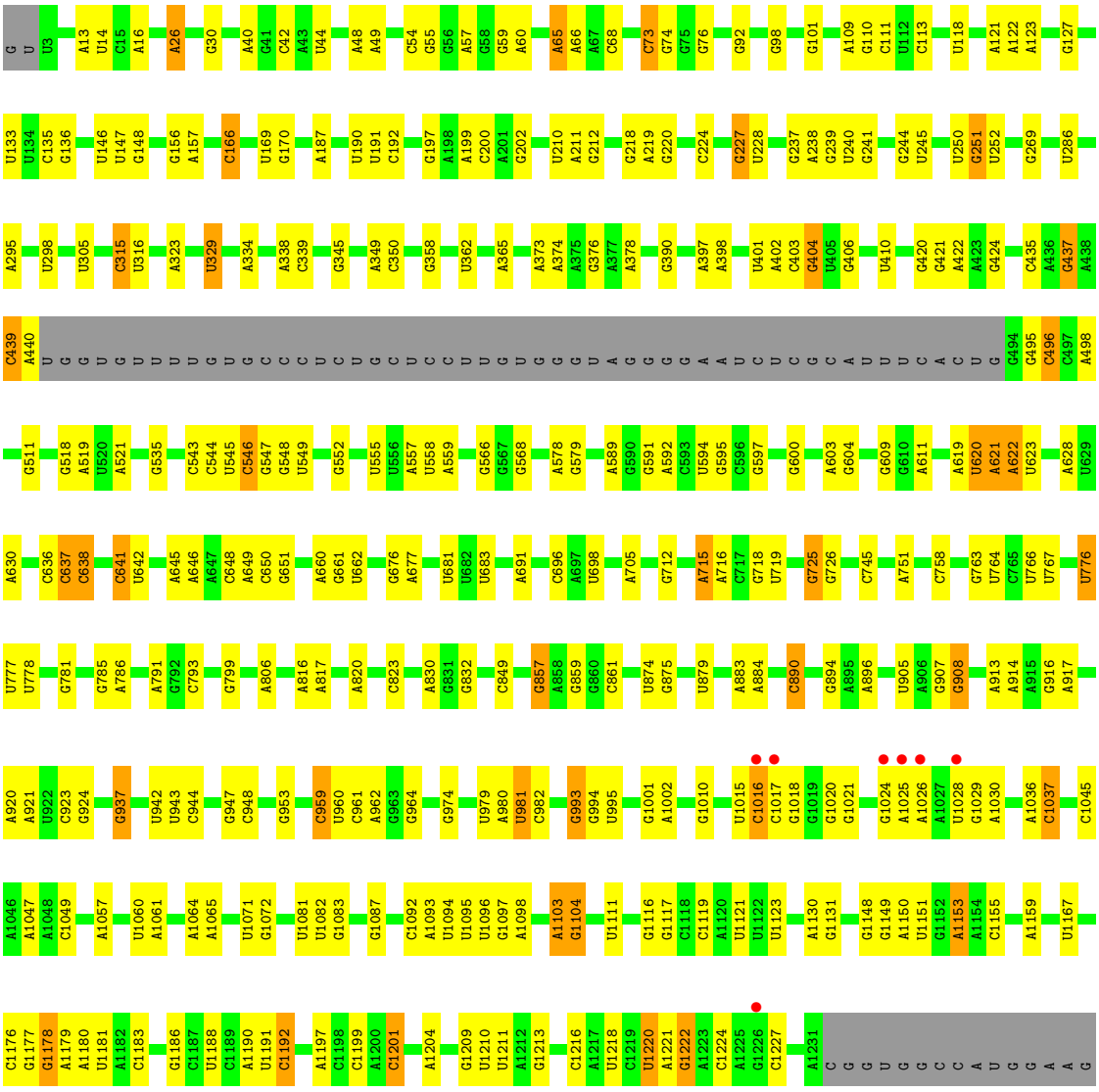
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
87	c8	3	Total O 3 3	0	0
87	c9	5	Total O 5 5	0	0
87	d3	5	Total O 5 5	0	0
87	d5	3	Total O 3 3	0	0
87	d6	3	Total O 3 3	0	0
87	d9	2	Total O 2 2	0	0
87	e1	1	Total O 1 1	0	0
87	sR	1	Total O 1 1	0	0

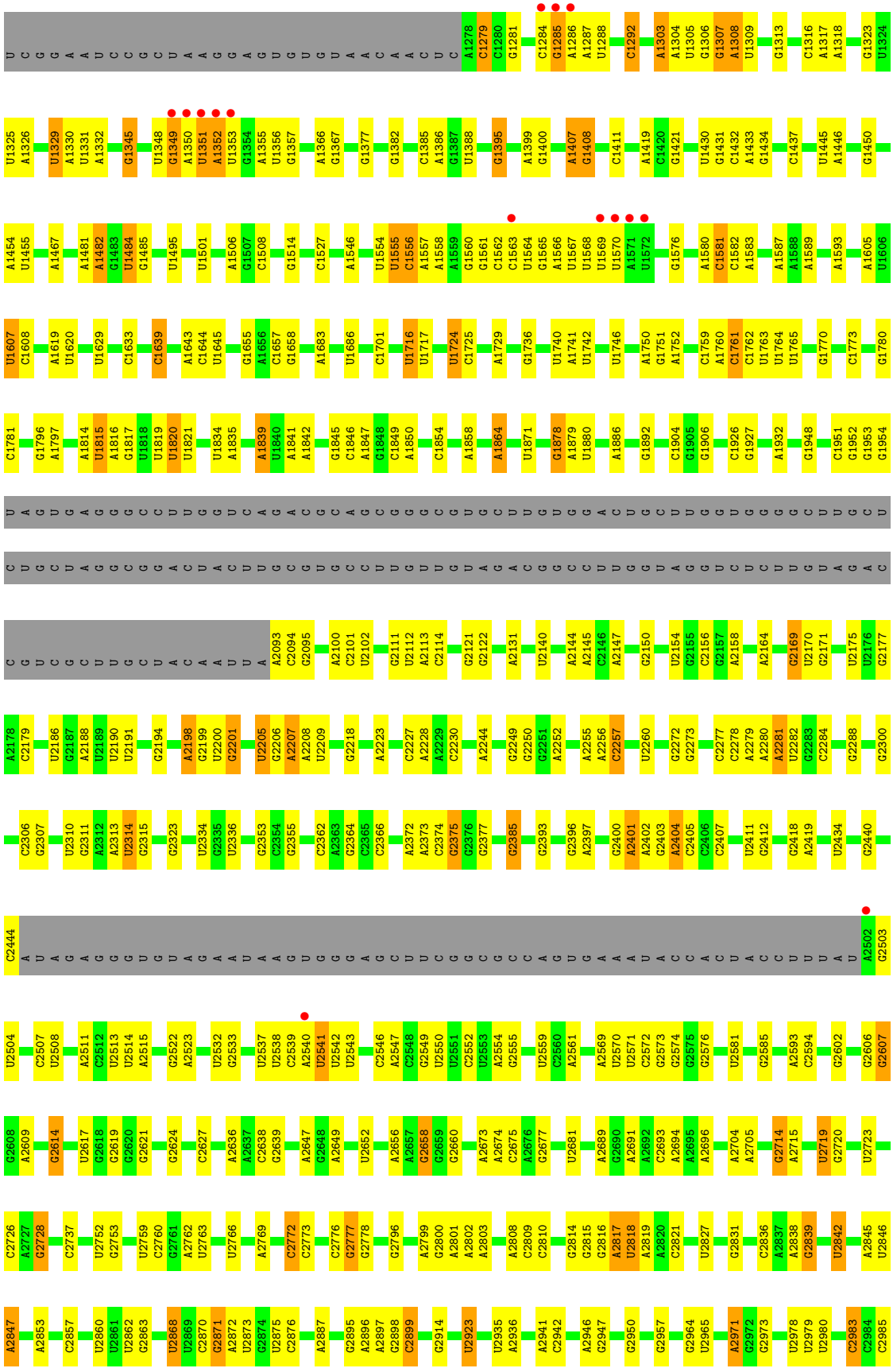
3 Residue-property plots (i)

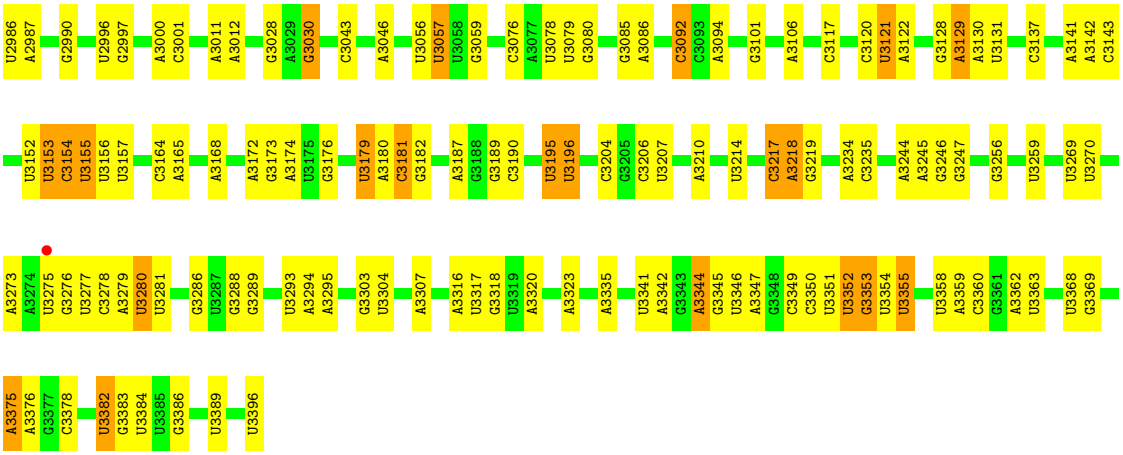
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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: 25S ribosomal RNA

Chain 1:

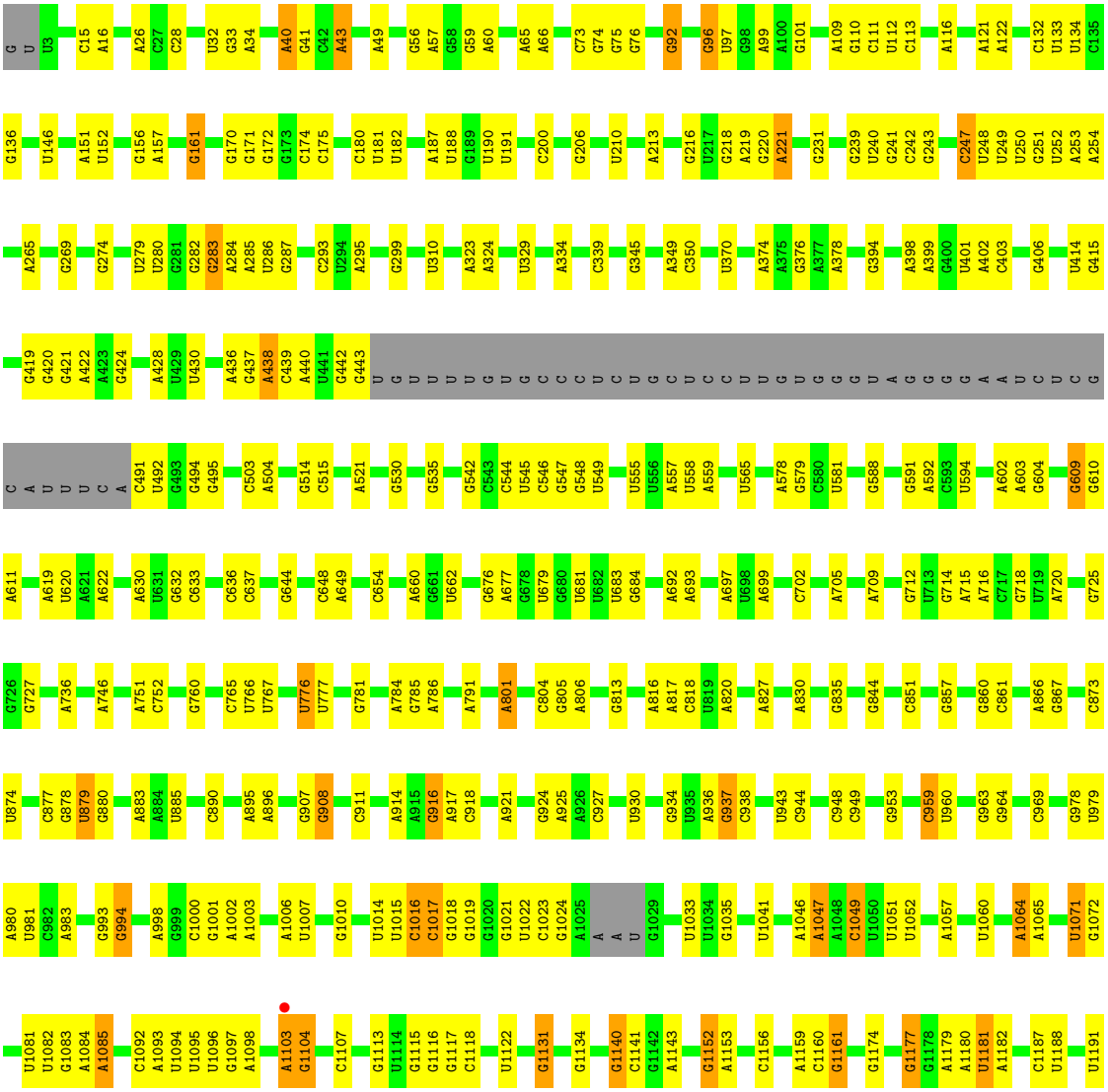


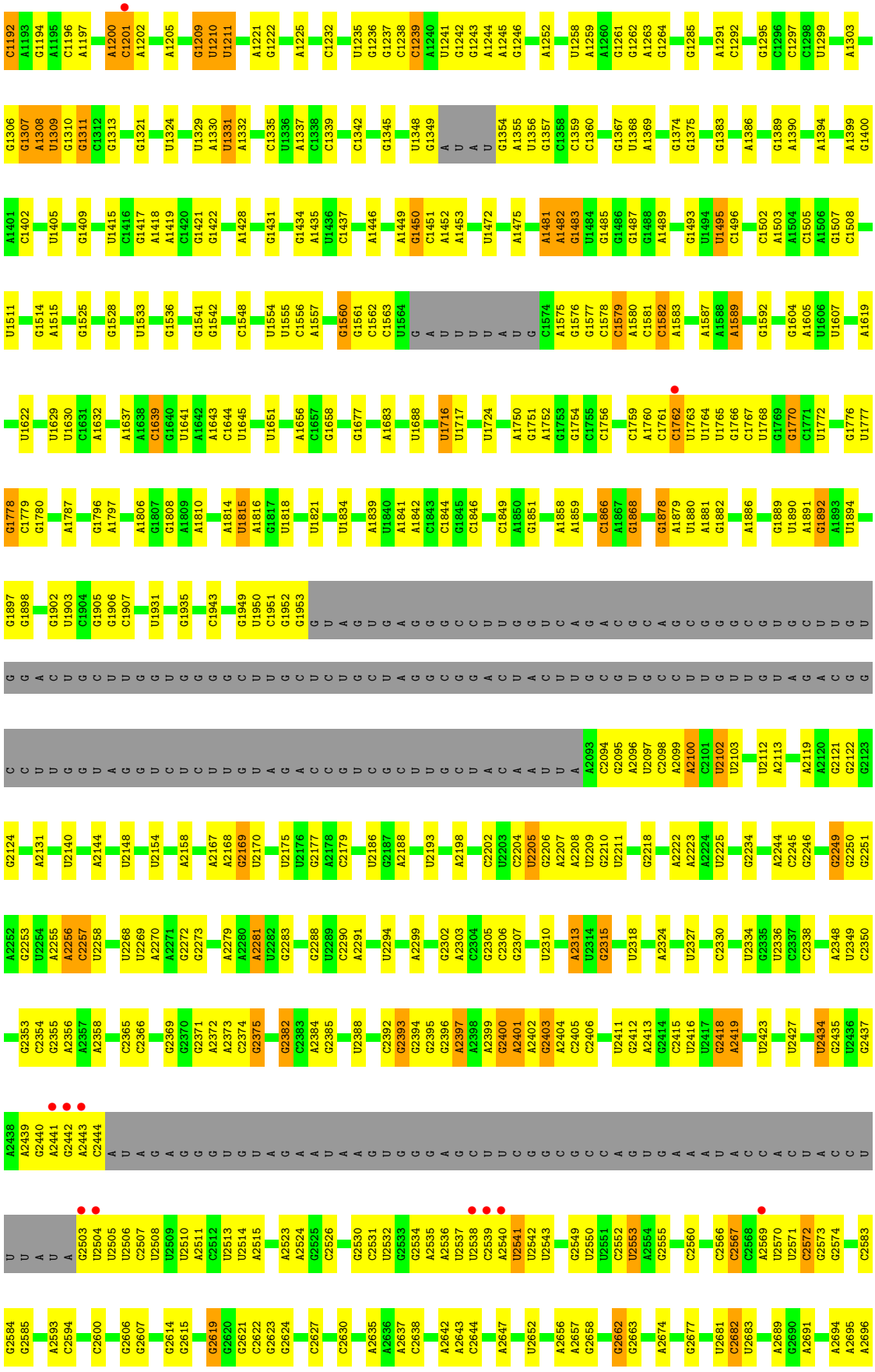


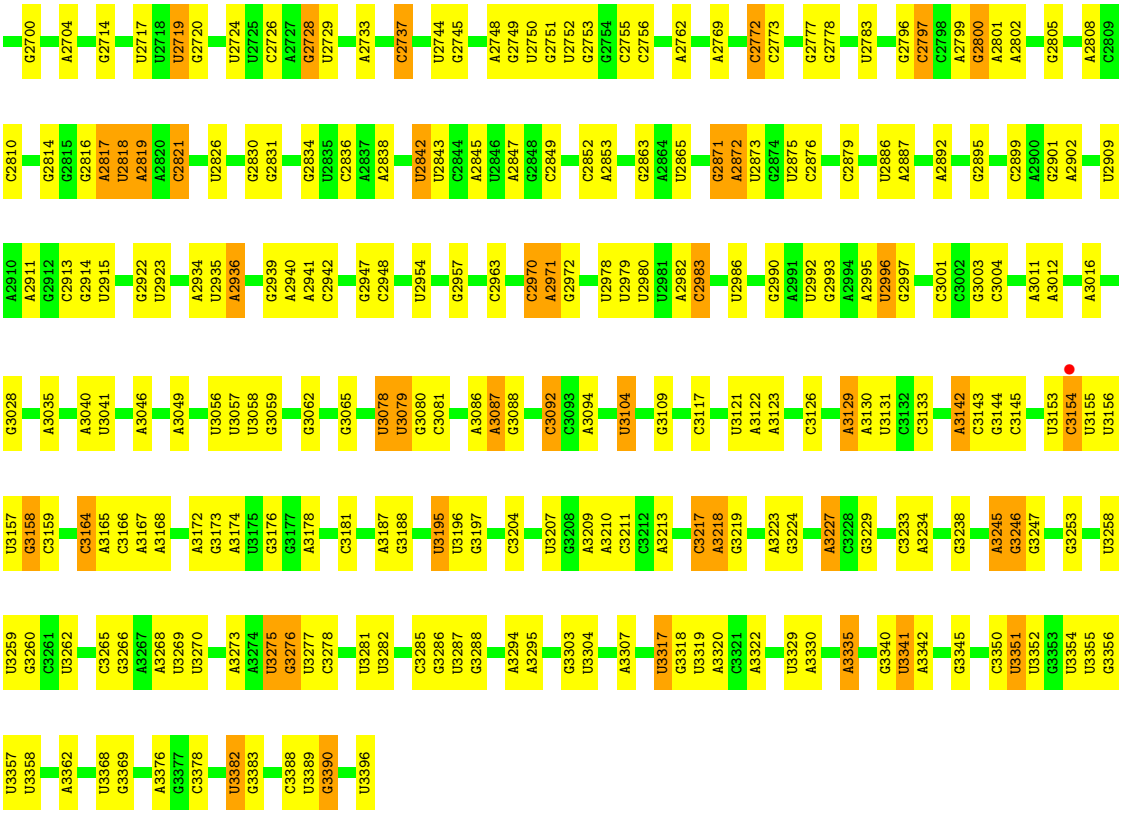


• Molecule 1: 25S ribosomal RNA

Chain 5:

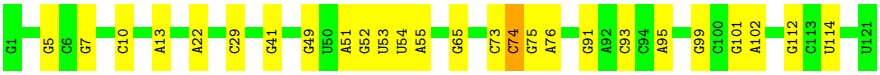






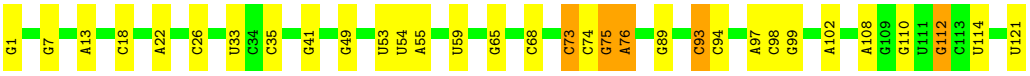
• Molecule 2: 5S Ribosomal RNA

Chain 3:



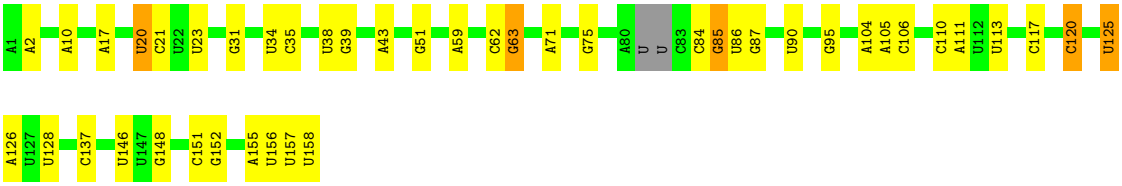
• Molecule 2: 5S Ribosomal RNA

Chain 7:



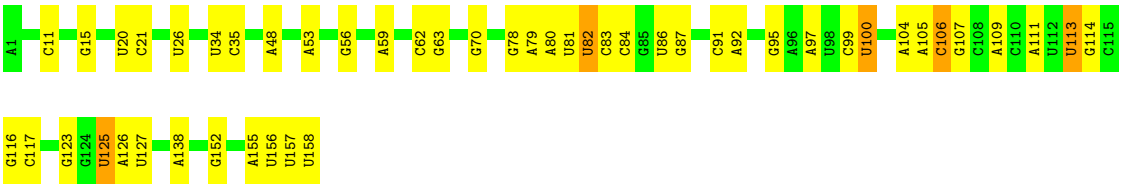
• Molecule 3: 5.8S ribosomal RNA

Chain 4:



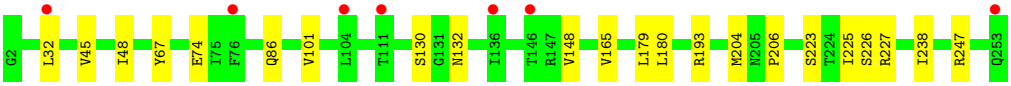
• Molecule 3: 5.8S ribosomal RNA

Chain 8:



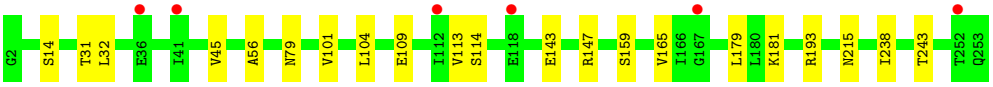
• Molecule 4: 60S ribosomal protein L2-A

Chain L2:



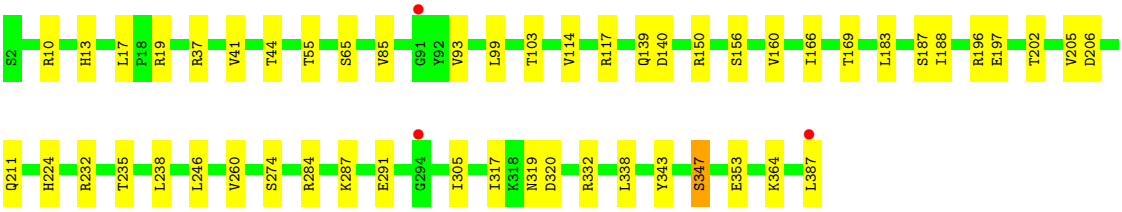
• Molecule 4: 60S ribosomal protein L2-A

Chain l2:



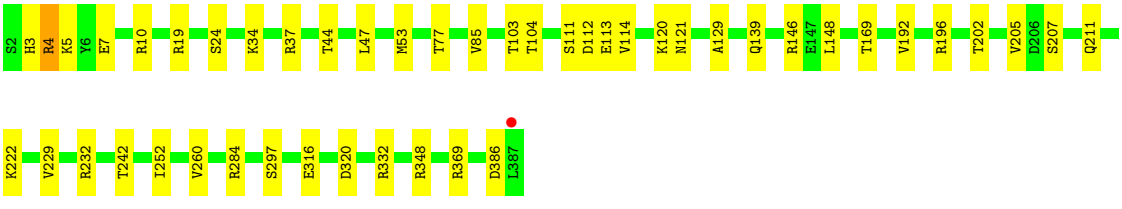
• Molecule 5: 60S ribosomal protein L3

Chain L3:



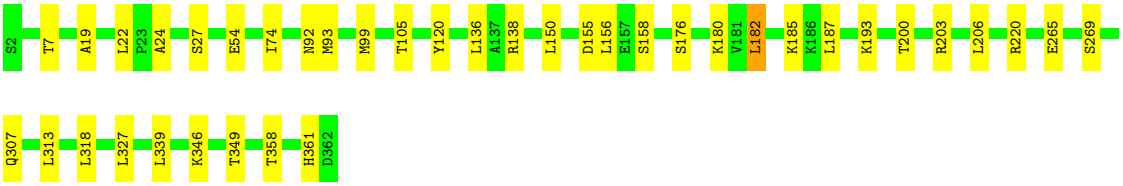
• Molecule 5: 60S ribosomal protein L3

Chain l3:

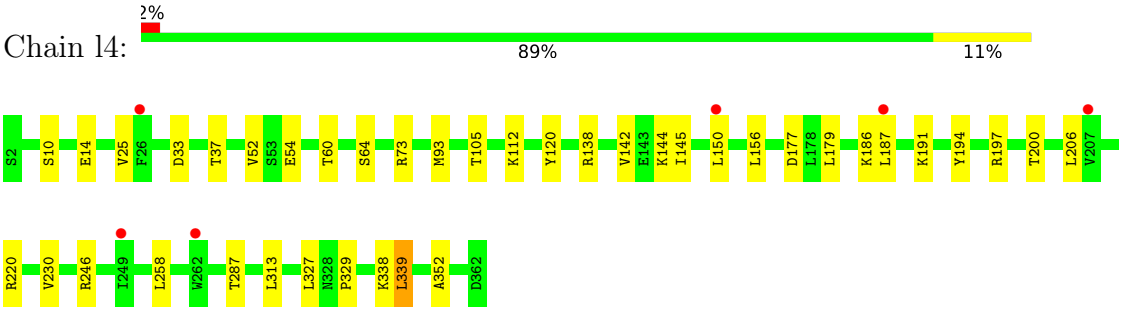


• Molecule 6: 60S ribosomal protein L4-A

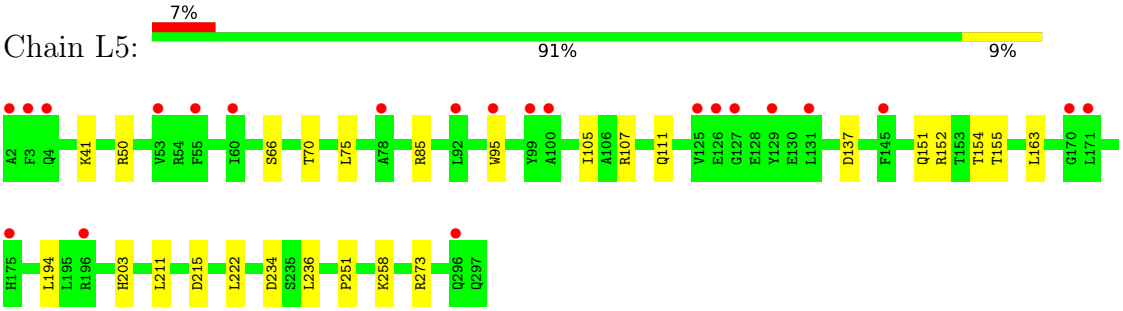
Chain L4:



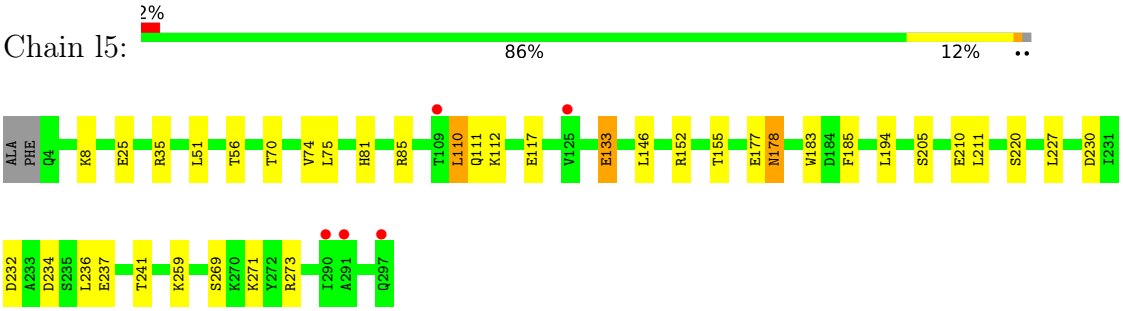
• Molecule 6: 60S ribosomal protein L4-A



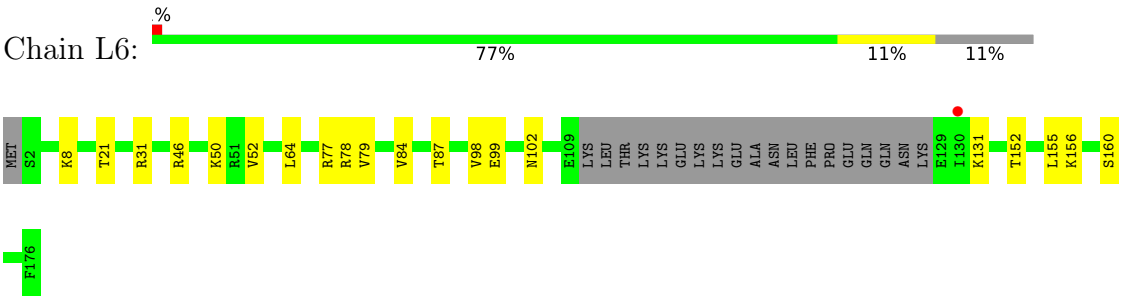
• Molecule 7: 60S ribosomal protein L5



• Molecule 7: 60S ribosomal protein L5

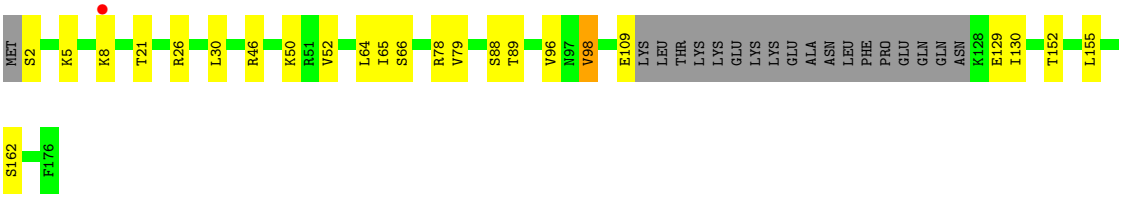


• Molecule 8: 60S ribosomal protein L6-A



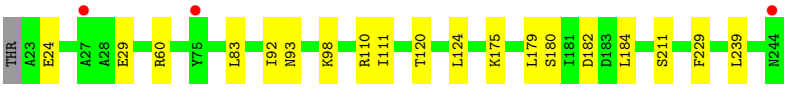
• Molecule 8: 60S ribosomal protein L6-A

Chain l6:



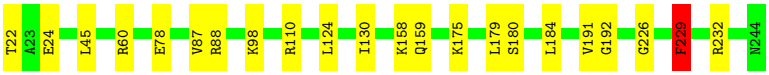
• Molecule 9: 60S ribosomal protein L7-A

Chain L7:



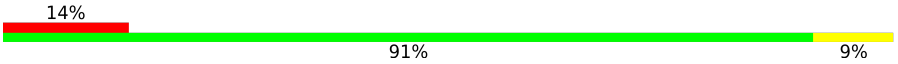
• Molecule 9: 60S ribosomal protein L7-A

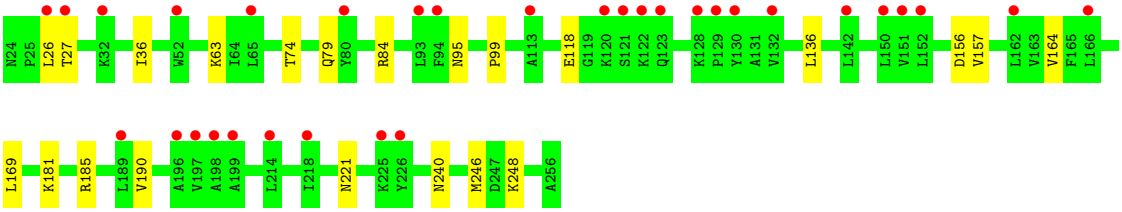
Chain l7:



• Molecule 10: 60S ribosomal protein L8-A

Chain L8:





• Molecule 10: 60S ribosomal protein L8-A

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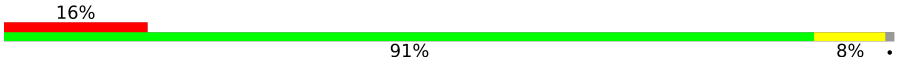
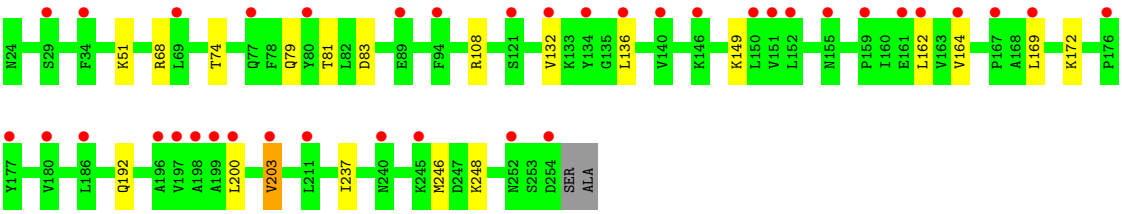
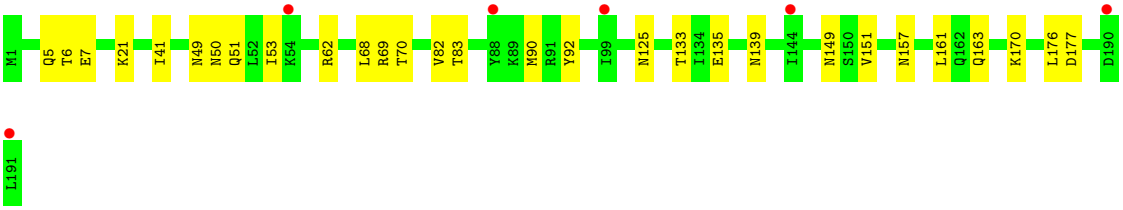


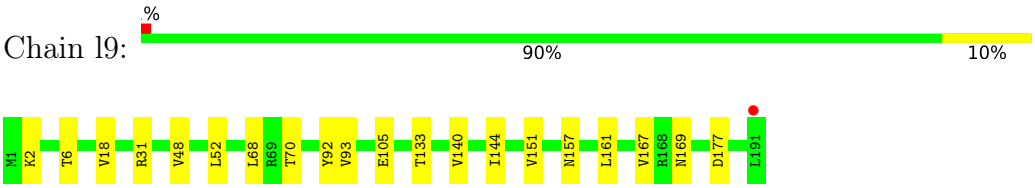


• Molecule 11: 60S ribosomal protein L9-A

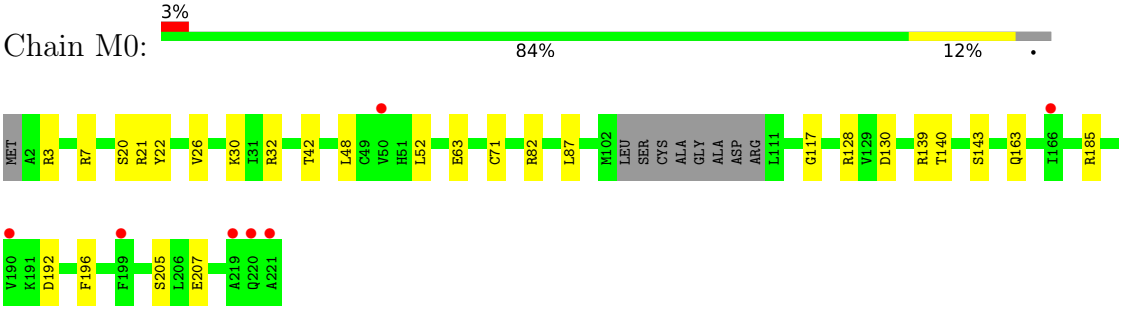
Chain L9:



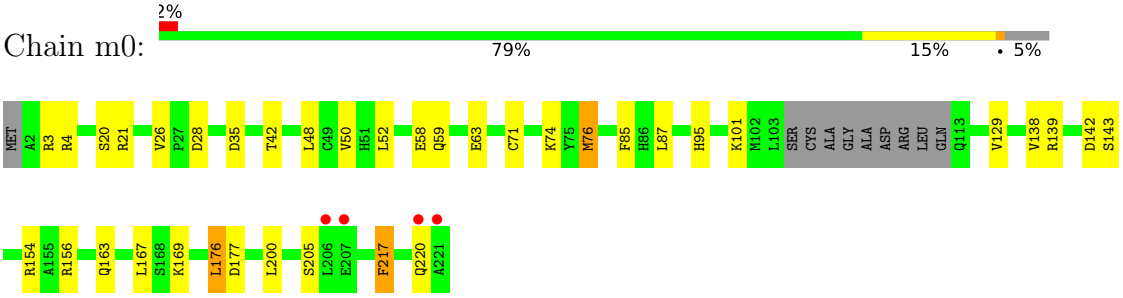
• Molecule 11: 60S ribosomal protein L9-A



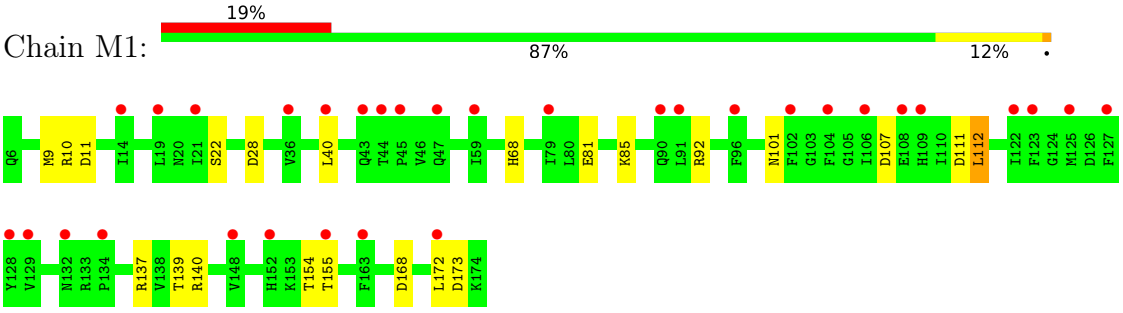
• Molecule 12: 60S ribosomal protein L10



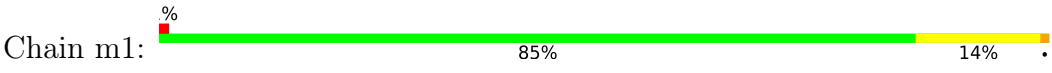
• Molecule 12: 60S ribosomal protein L10

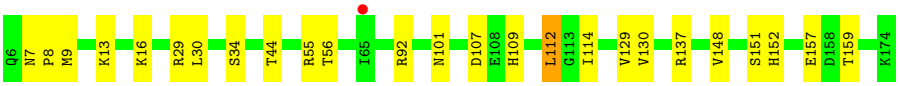


• Molecule 13: 60S ribosomal protein L11-B

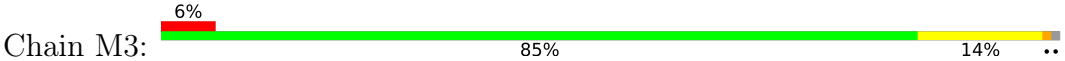


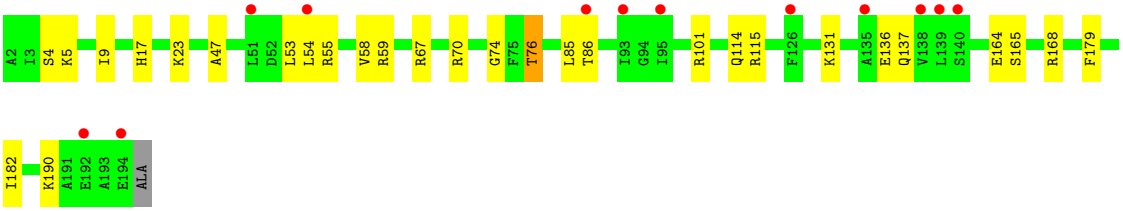
• Molecule 13: 60S ribosomal protein L11-B



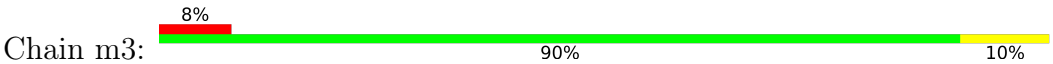


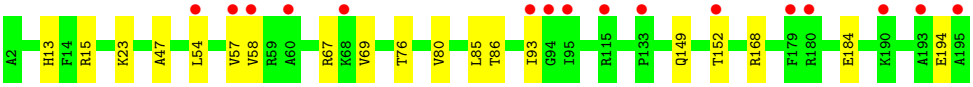
• Molecule 14: 60S ribosomal protein L13-A



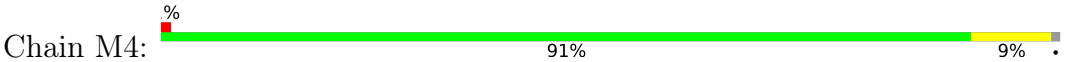


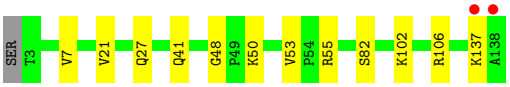
• Molecule 14: 60S ribosomal protein L13-A



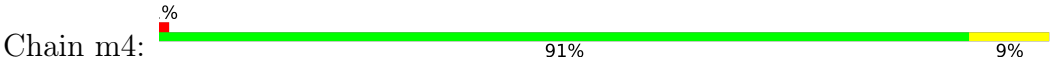


• Molecule 15: 60S ribosomal protein L14-A

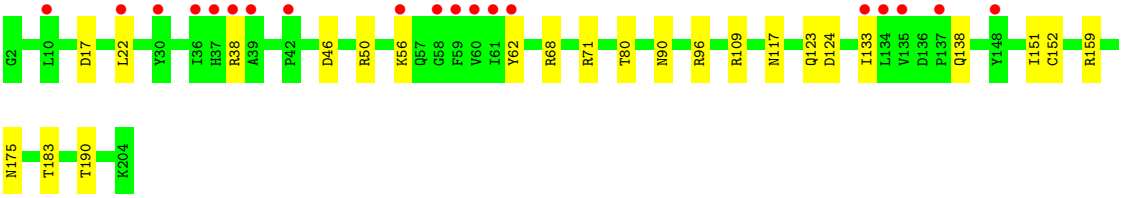




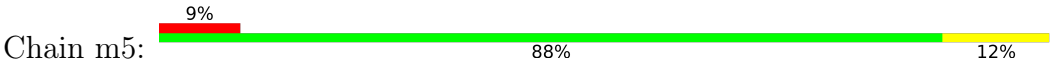
• Molecule 15: 60S ribosomal protein L14-A

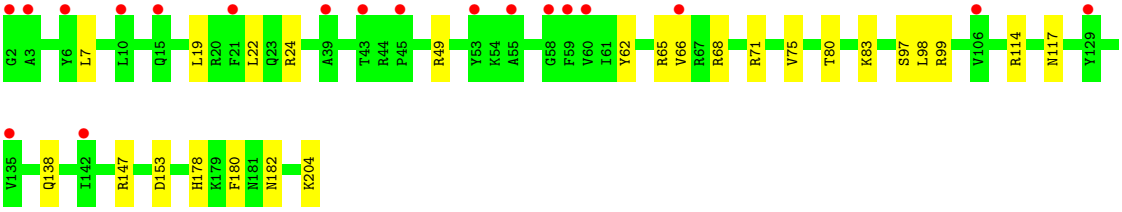


• Molecule 16: 60S ribosomal protein L15-A

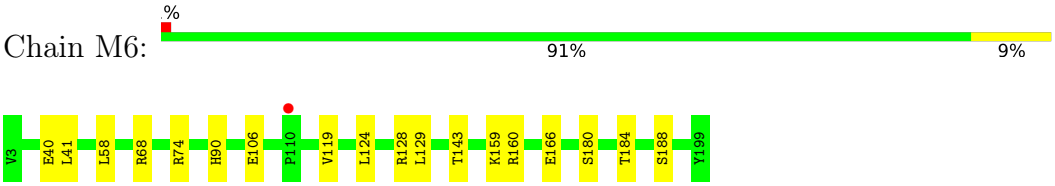


• Molecule 16: 60S ribosomal protein L15-A

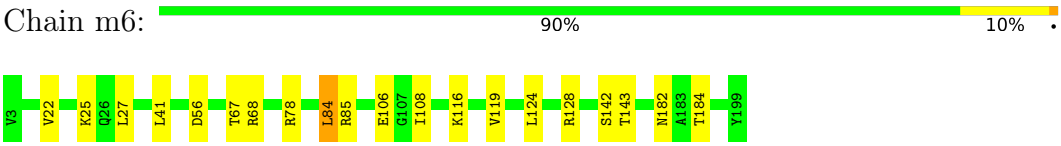




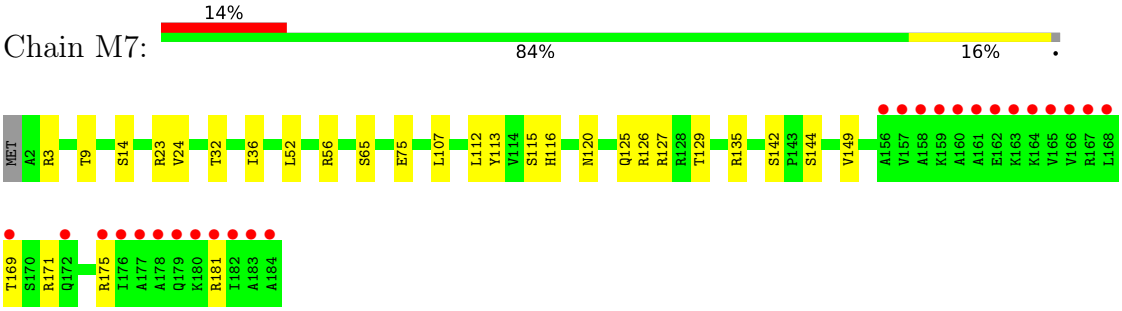
• Molecule 17: 60S ribosomal protein L16-A



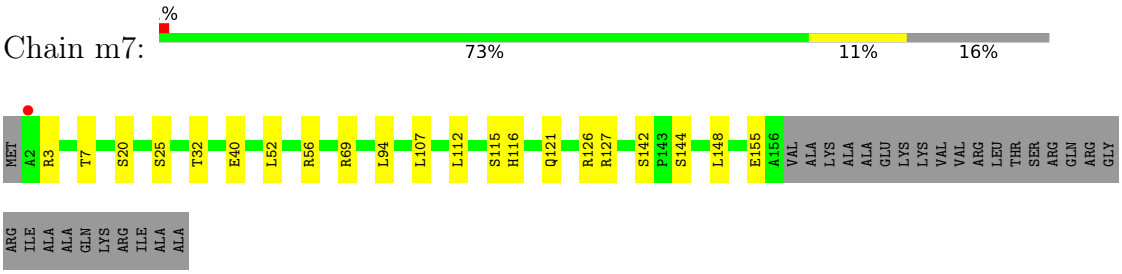
• Molecule 17: 60S ribosomal protein L16-A



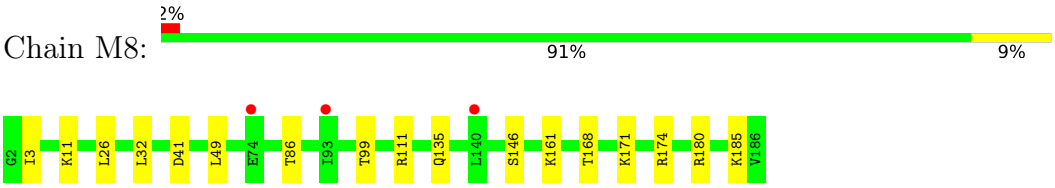
• Molecule 18: 60S ribosomal protein L17-A



• Molecule 18: 60S ribosomal protein L17-A

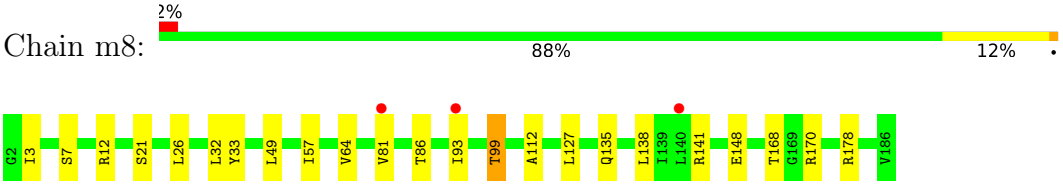


• Molecule 19: 60S ribosomal protein L18-A



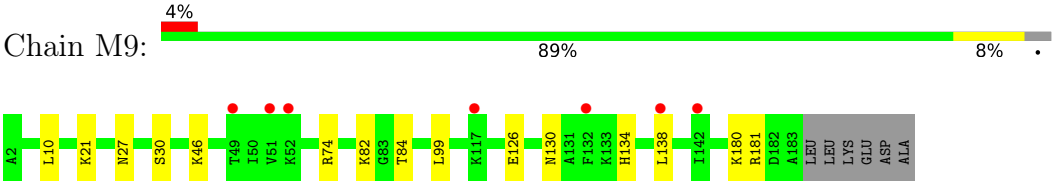
• Molecule 19: 60S ribosomal protein L18-A

Chain m8:



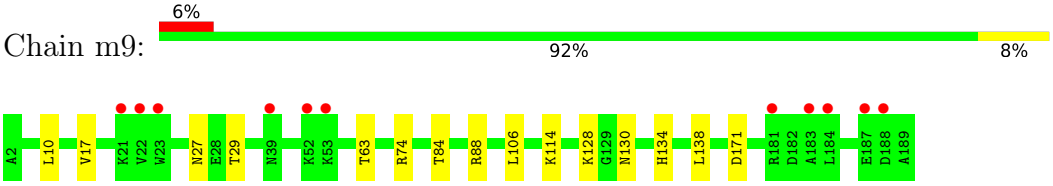
• Molecule 20: 60S ribosomal protein L19-A

Chain M9:



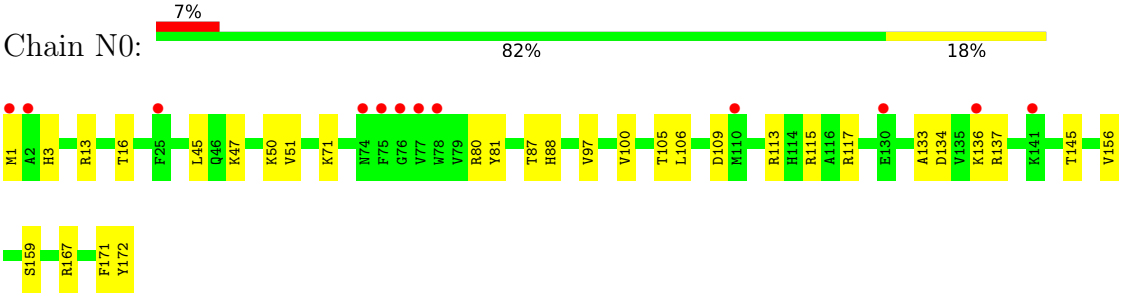
• Molecule 20: 60S ribosomal protein L19-A

Chain m9:



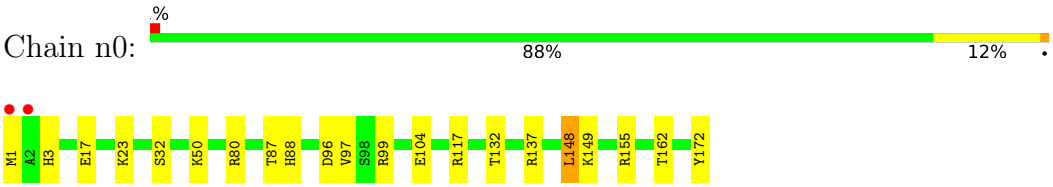
• Molecule 21: 60S ribosomal protein L20-A

Chain N0:



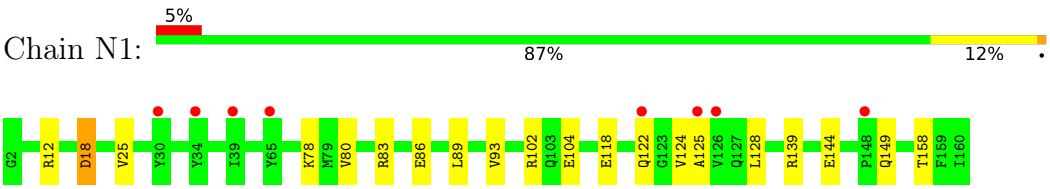
• Molecule 21: 60S ribosomal protein L20-A

Chain n0:



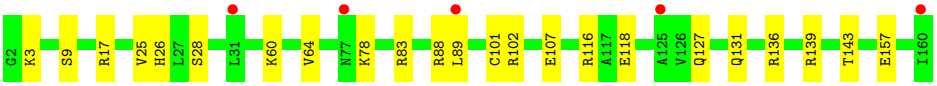
• Molecule 22: 60S ribosomal protein L21-A

Chain N1:



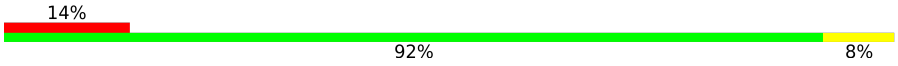
• Molecule 22: 60S ribosomal protein L21-A

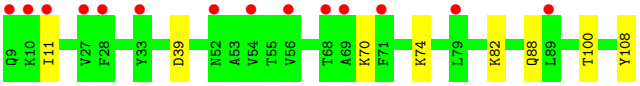
Chain n1:



• Molecule 23: 60S ribosomal protein L22-A

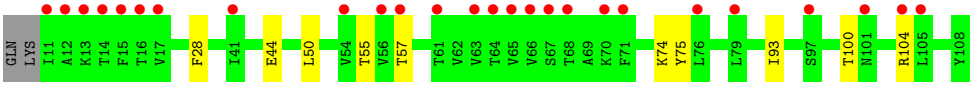
Chain N2:





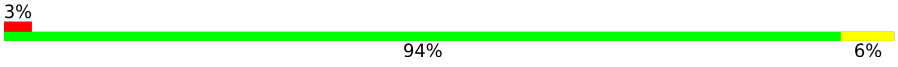
• Molecule 23: 60S ribosomal protein L22-A

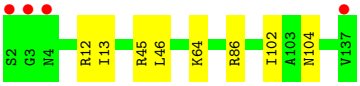
Chain n2:



• Molecule 24: 60S ribosomal protein L23-A

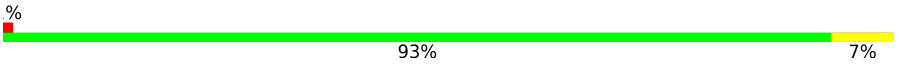
Chain N3:

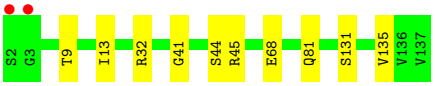




• Molecule 24: 60S ribosomal protein L23-A

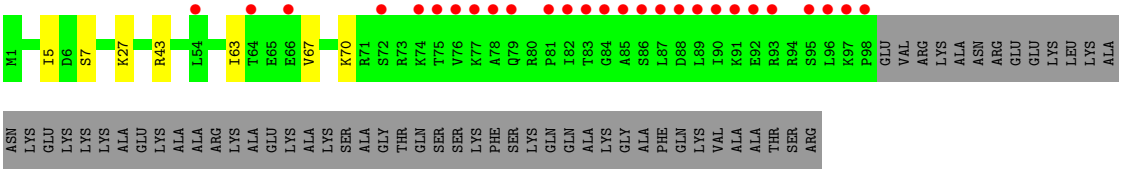
Chain n3:





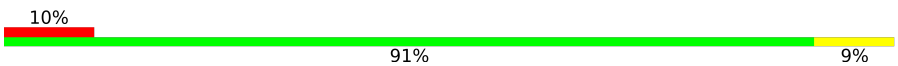
• Molecule 25: 60S ribosomal protein L24-A

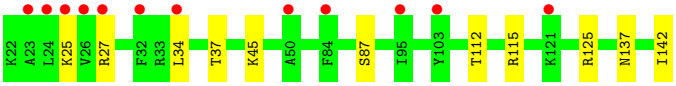
Chain N4:



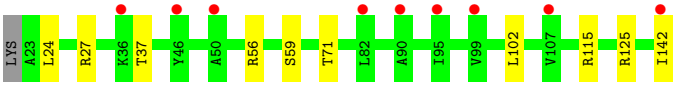
• Molecule 26: 60S ribosomal protein L25

Chain N5:

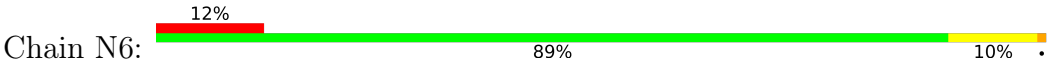




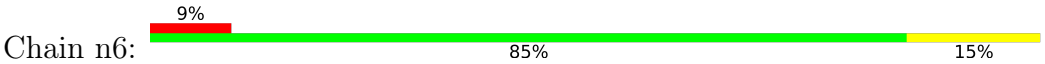
• Molecule 26: 60S ribosomal protein L25



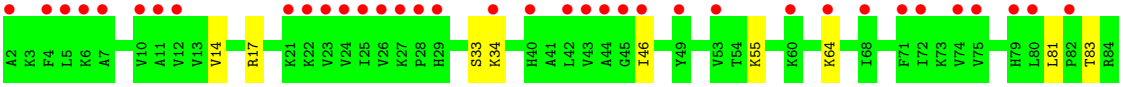
• Molecule 27: 60S ribosomal protein L26-A

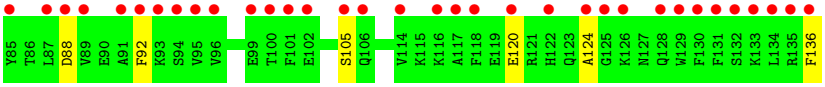


• Molecule 27: 60S ribosomal protein L26-A

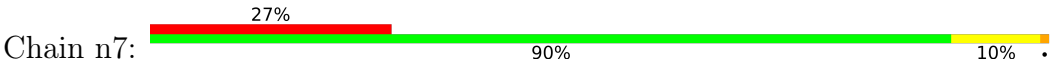


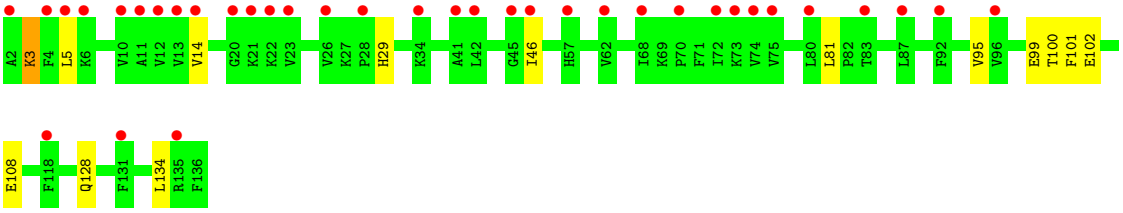
• Molecule 28: 60S ribosomal protein L27-A





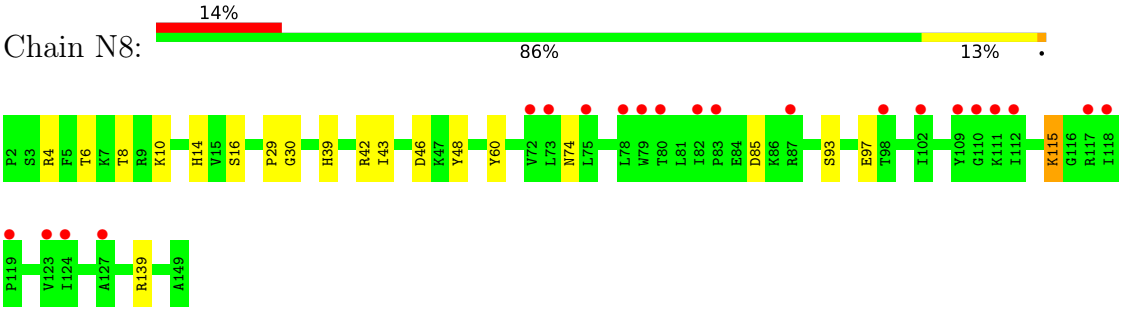
• Molecule 28: 60S ribosomal protein L27-A





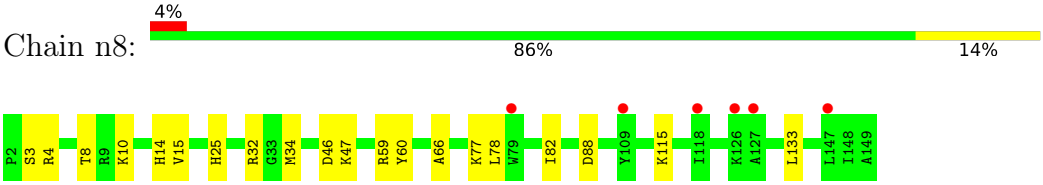
• Molecule 29: 60S ribosomal protein L28

Chain N8:



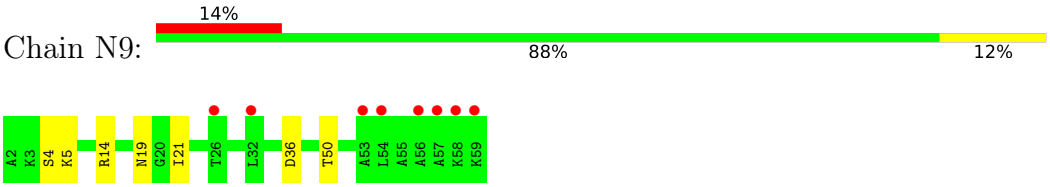
• Molecule 29: 60S ribosomal protein L28

Chain n8:



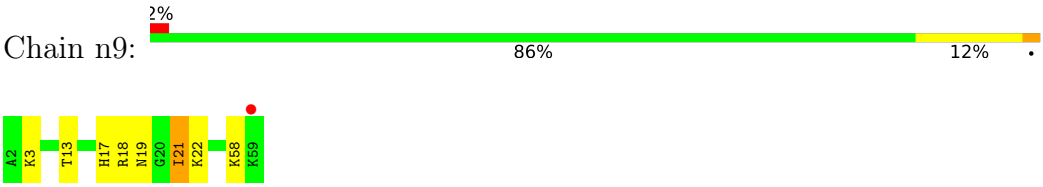
• Molecule 30: 60S ribosomal protein L29

Chain N9:



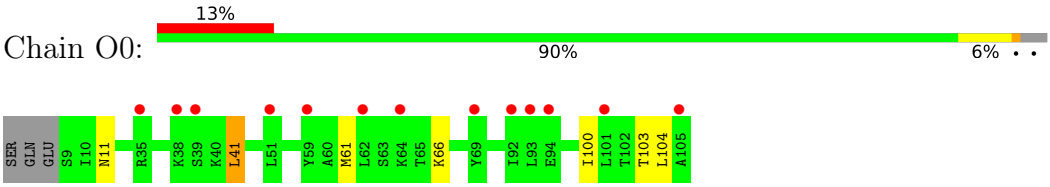
• Molecule 30: 60S ribosomal protein L29

Chain n9:



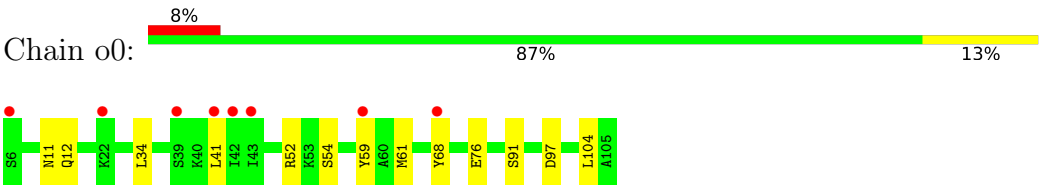
• Molecule 31: 60S ribosomal protein L30

Chain O0:



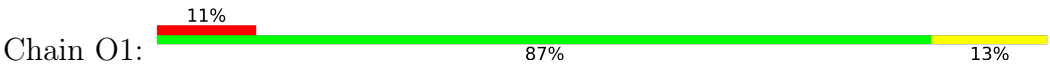
• Molecule 31: 60S ribosomal protein L30

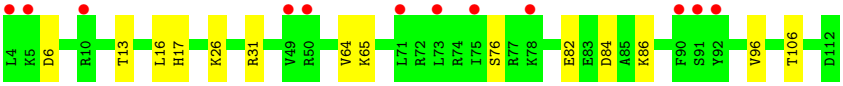
Chain o0:



• Molecule 32: 60S ribosomal protein L31-A

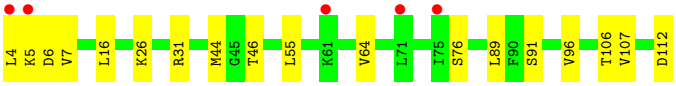
Chain O1:





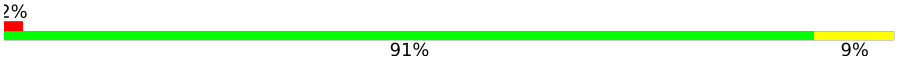
• Molecule 32: 60S ribosomal protein L31-A

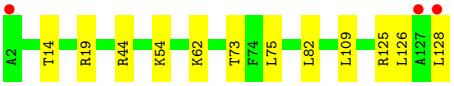
Chain o1:



• Molecule 33: 60S ribosomal protein L32

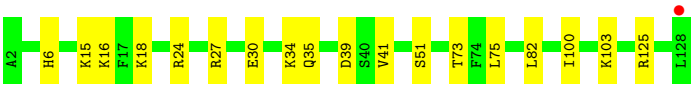
Chain O2:





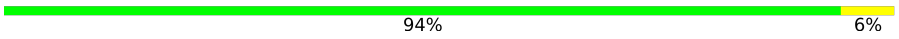
• Molecule 33: 60S ribosomal protein L32

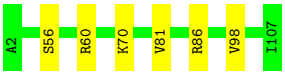
Chain o2:



• Molecule 34: 60S ribosomal protein L33-A

Chain O3:



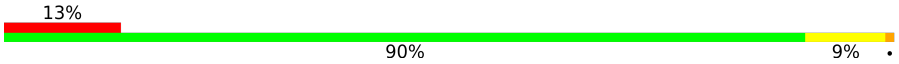


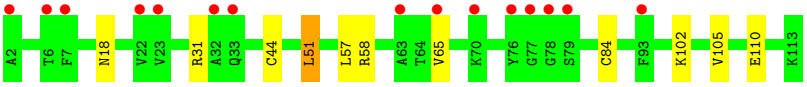
• Molecule 34: 60S ribosomal protein L33-A

Chain o3:

• Molecule 35: 60S ribosomal protein L34-A

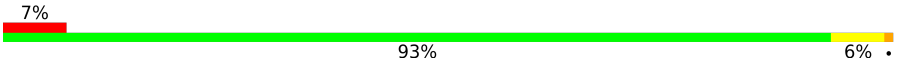
Chain O4:

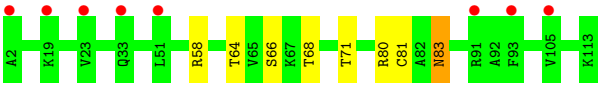




• Molecule 35: 60S ribosomal protein L34-A

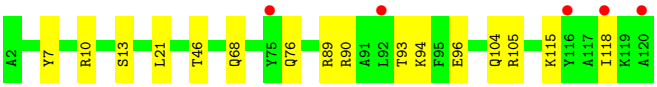
Chain o4:





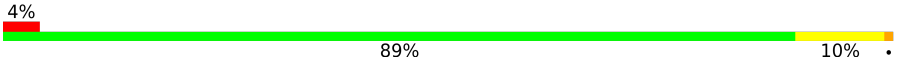
• Molecule 36: 60S ribosomal protein L35-A

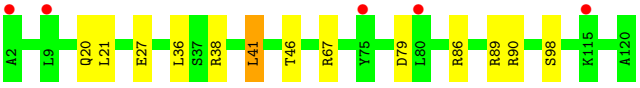
Chain O5:



• Molecule 36: 60S ribosomal protein L35-A

Chain o5:



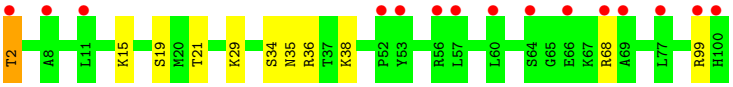


• Molecule 37: 60S ribosomal protein L36-A

Chain O6:

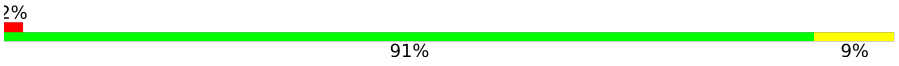
• Molecule 37: 60S ribosomal protein L36-A

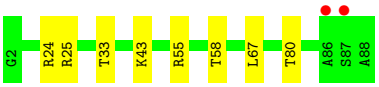
Chain o6:



• Molecule 38: 60S ribosomal protein L37-A

Chain O7:



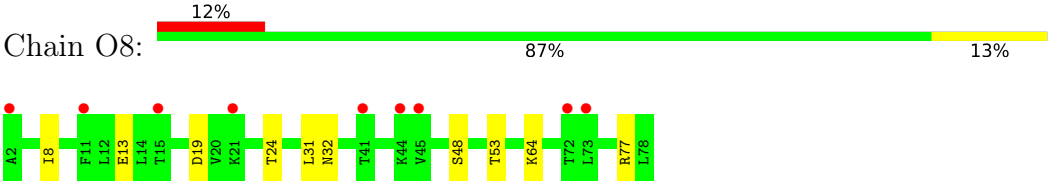


• Molecule 38: 60S ribosomal protein L37-A

Chain o7:

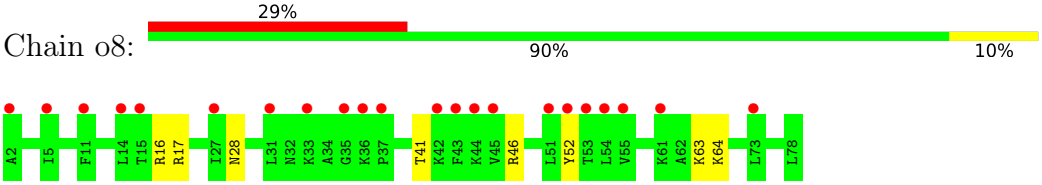
• Molecule 39: 60S ribosomal protein L38

Chain O8:



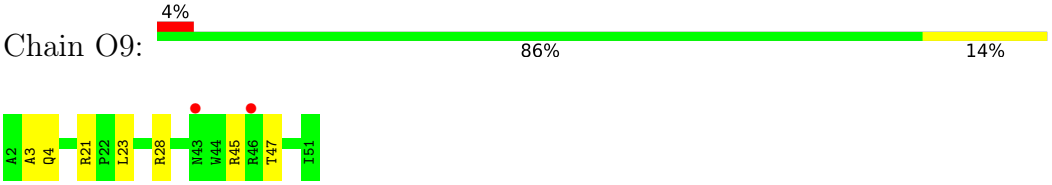
• Molecule 39: 60S ribosomal protein L38

Chain o8:



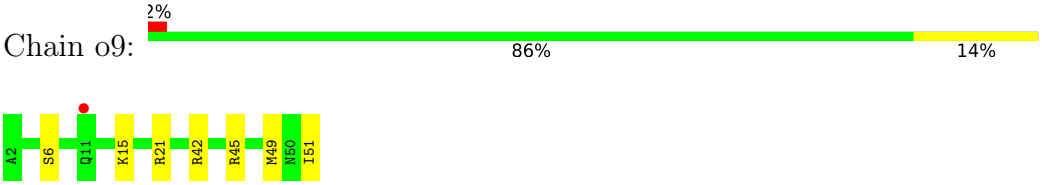
• Molecule 40: 60S ribosomal protein L39

Chain O9:



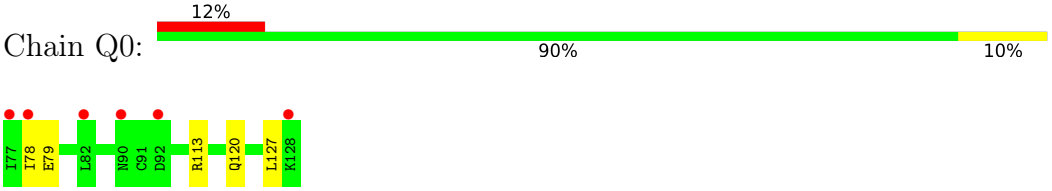
• Molecule 40: 60S ribosomal protein L39

Chain o9:



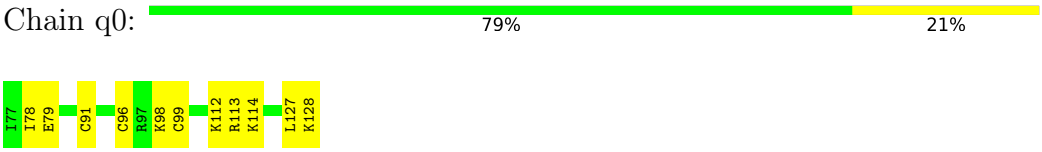
• Molecule 41: Ubiquitin-60S ribosomal protein L40

Chain Q0:



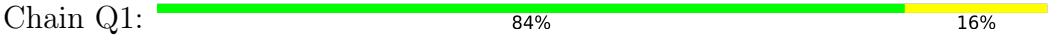
• Molecule 41: Ubiquitin-60S ribosomal protein L40

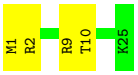
Chain q0:



• Molecule 42: 60S ribosomal protein L41-A

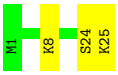
Chain Q1:





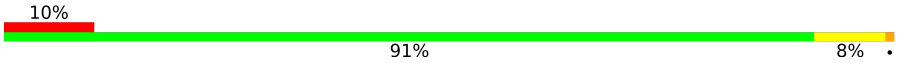
• Molecule 42: 60S ribosomal protein L41-A

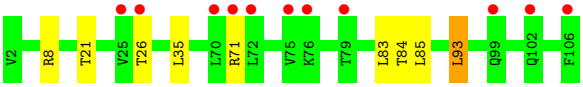
Chain q1:



• Molecule 43: 60S ribosomal protein L42-A

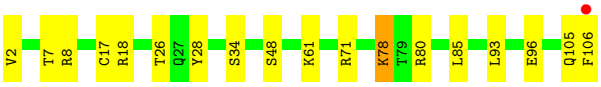
Chain Q2:





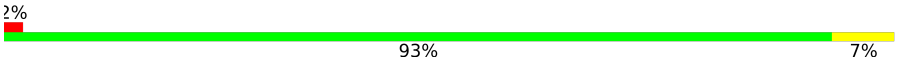
• Molecule 43: 60S ribosomal protein L42-A

Chain q2:



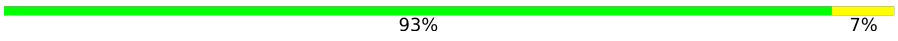
• Molecule 44: 60S ribosomal protein L43-A

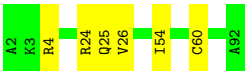
Chain Q3:



• Molecule 44: 60S ribosomal protein L43-A

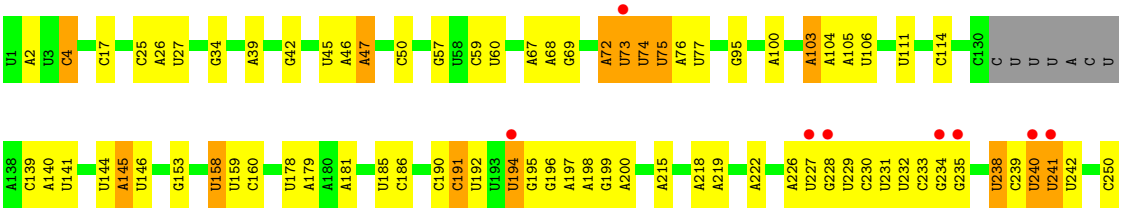
Chain q3:

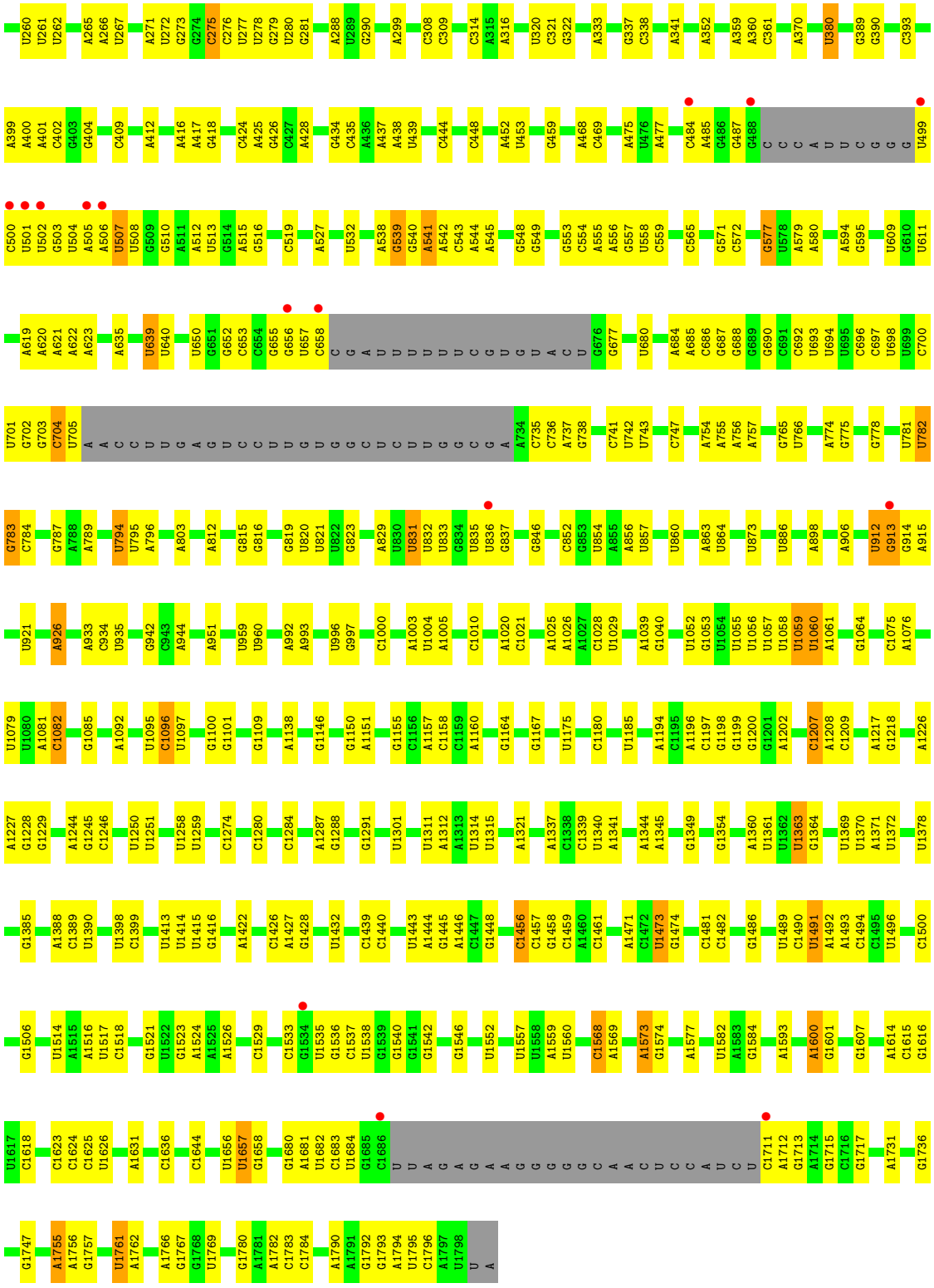




• Molecule 45: 18S ribosomal RNA

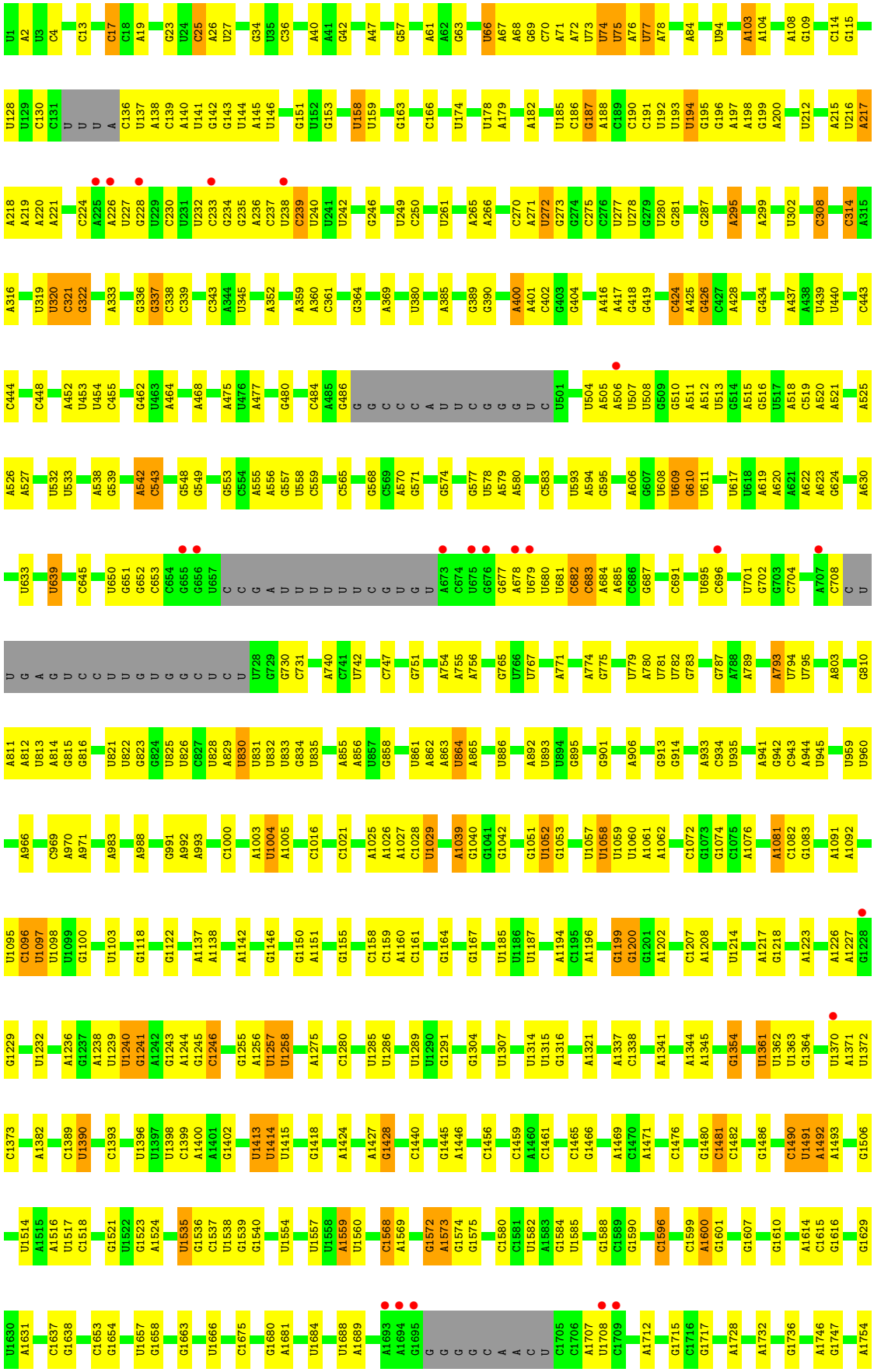
Chain 2:



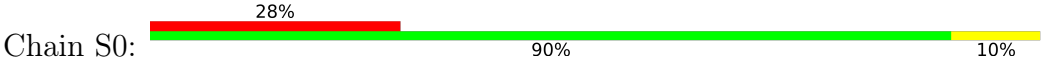


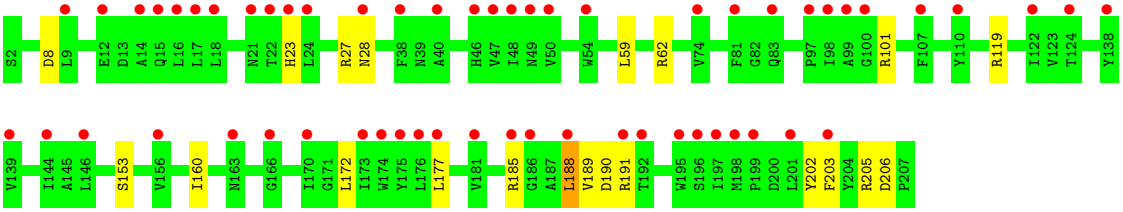
• Molecule 45: 18S ribosomal RNA

Chain 6:

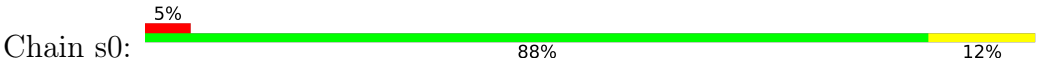


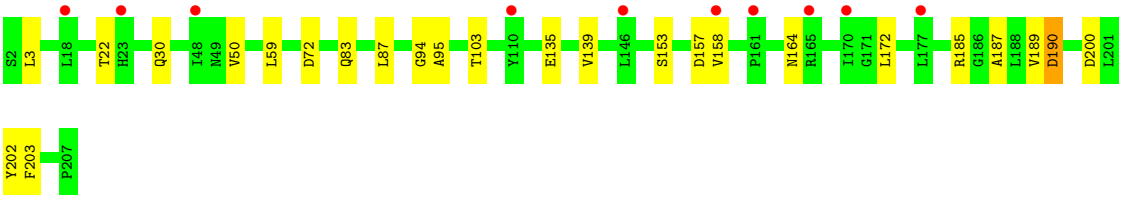
• Molecule 46: 40S ribosomal protein S0-A



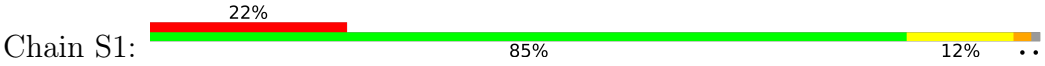


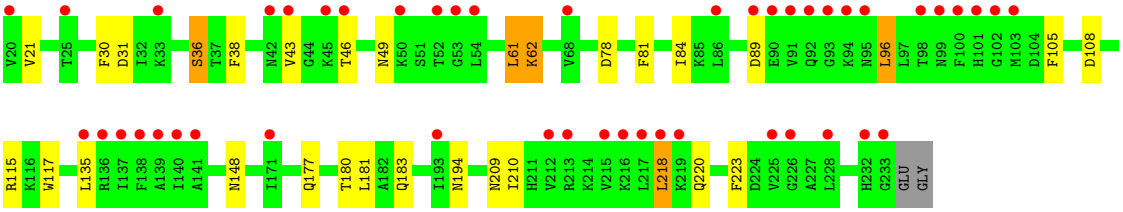
• Molecule 46: 40S ribosomal protein S0-A



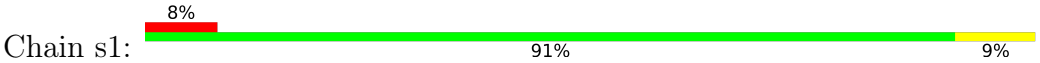


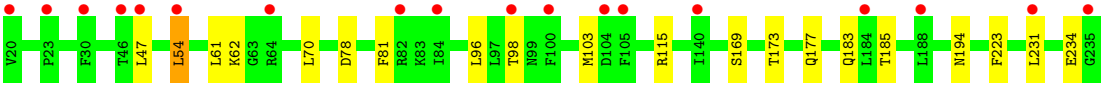
• Molecule 47: 40S ribosomal protein S1-A



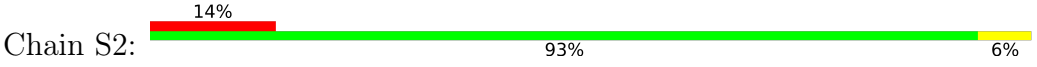


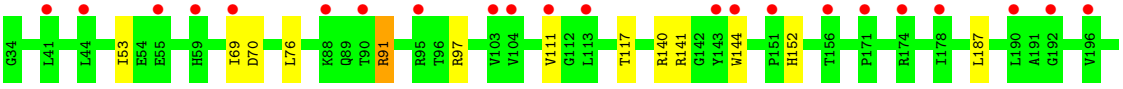
• Molecule 47: 40S ribosomal protein S1-A

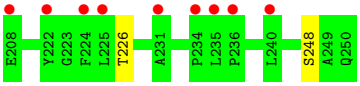




• Molecule 48: 40S ribosomal protein S2





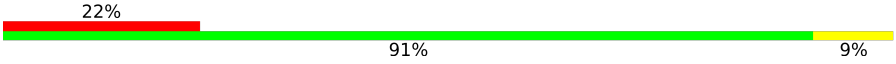


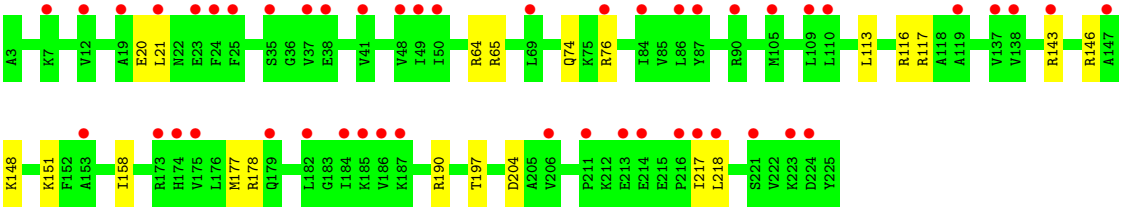
• Molecule 48: 40S ribosomal protein S2

Chain s2:

• Molecule 49: 40S ribosomal protein S3

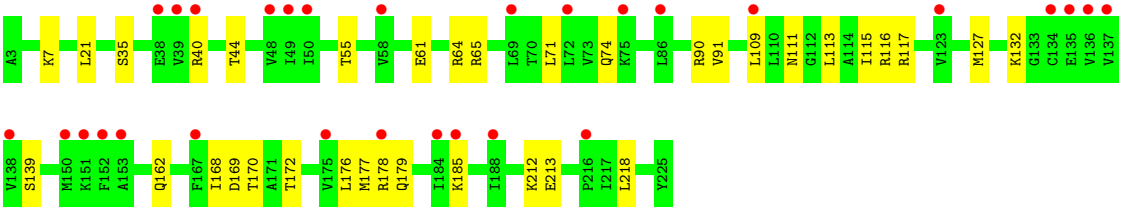
Chain S3:





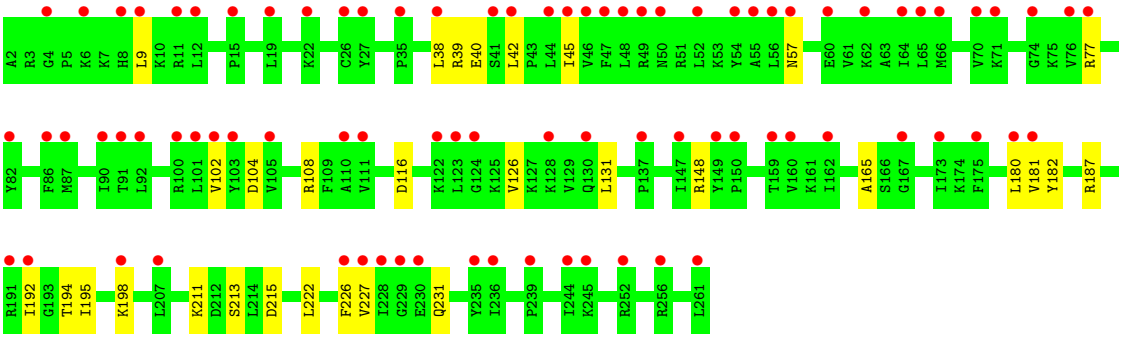
• Molecule 49: 40S ribosomal protein S3

Chain s3:



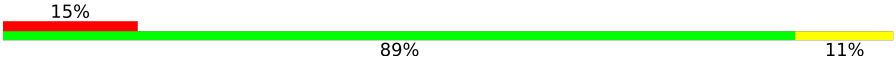
• Molecule 50: 40S ribosomal protein S4-A

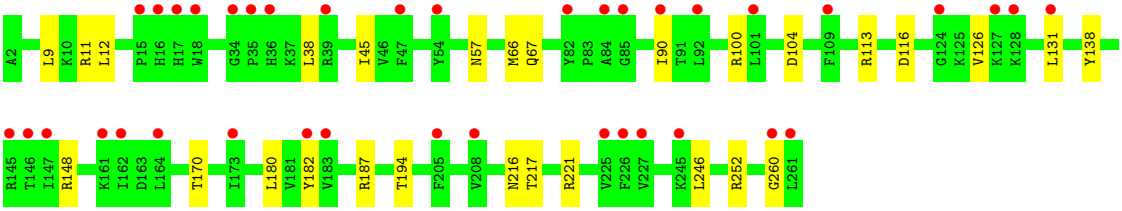
Chain S4:



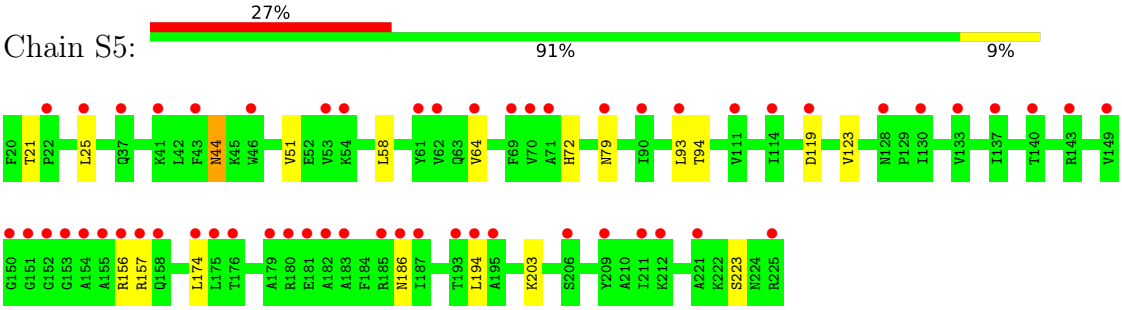
• Molecule 50: 40S ribosomal protein S4-A

Chain s4:

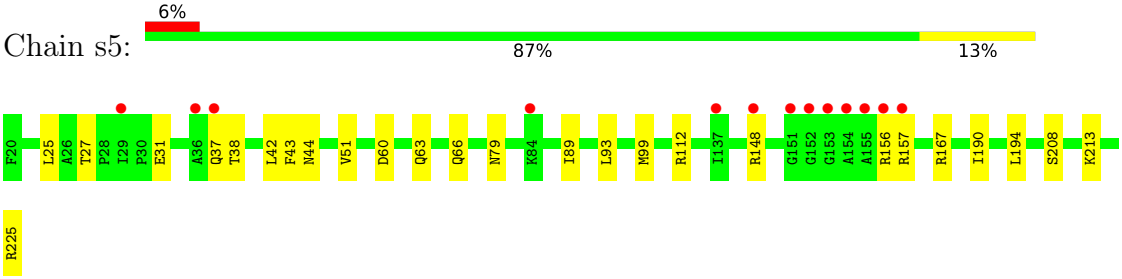




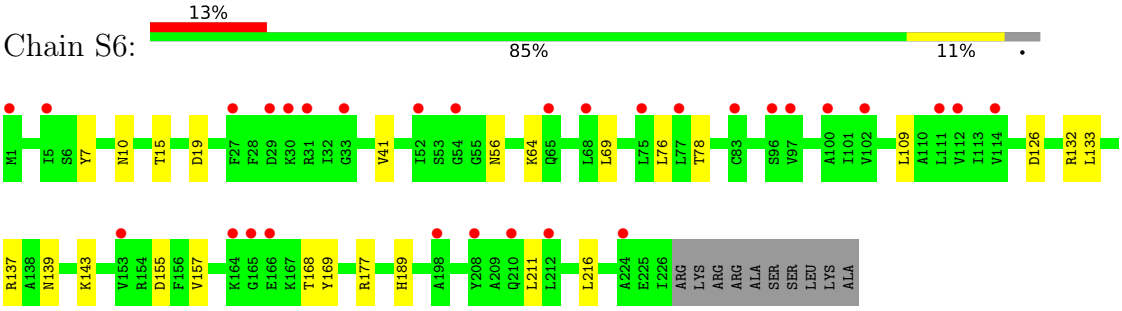
• Molecule 51: 40S ribosomal protein S5



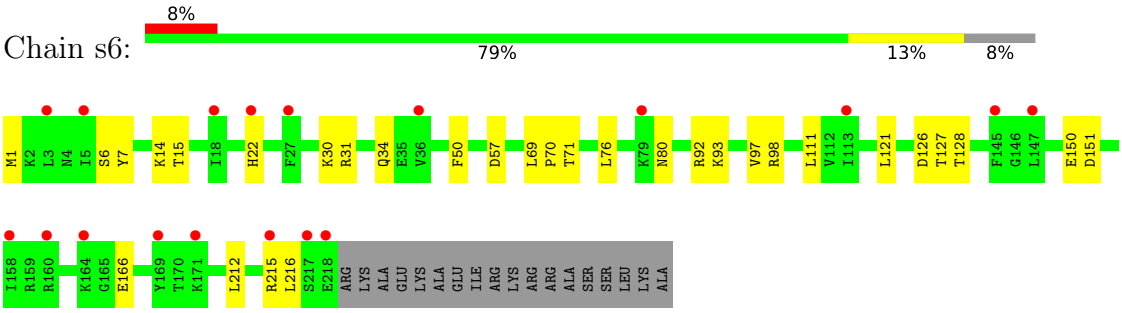
• Molecule 51: 40S ribosomal protein S5



• Molecule 52: 40S ribosomal protein S6-A

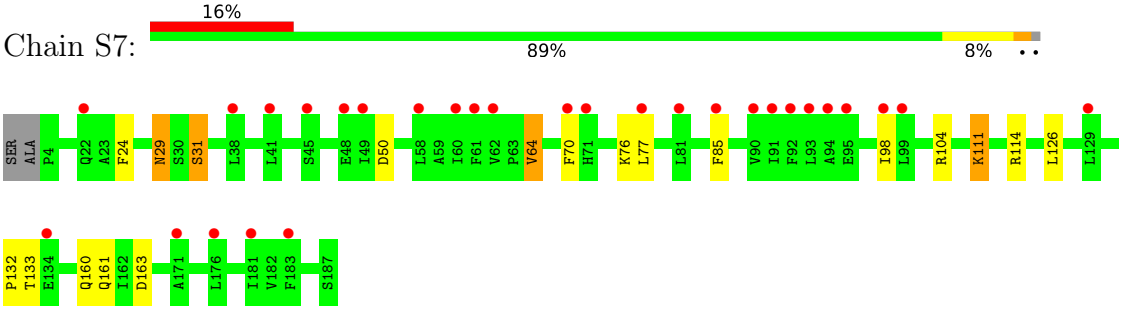


• Molecule 52: 40S ribosomal protein S6-A



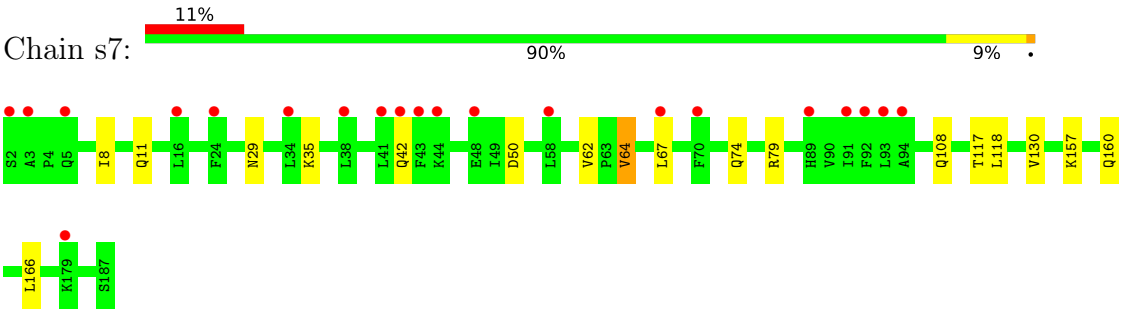
• Molecule 53: 40S ribosomal protein S7-A

Chain S7:



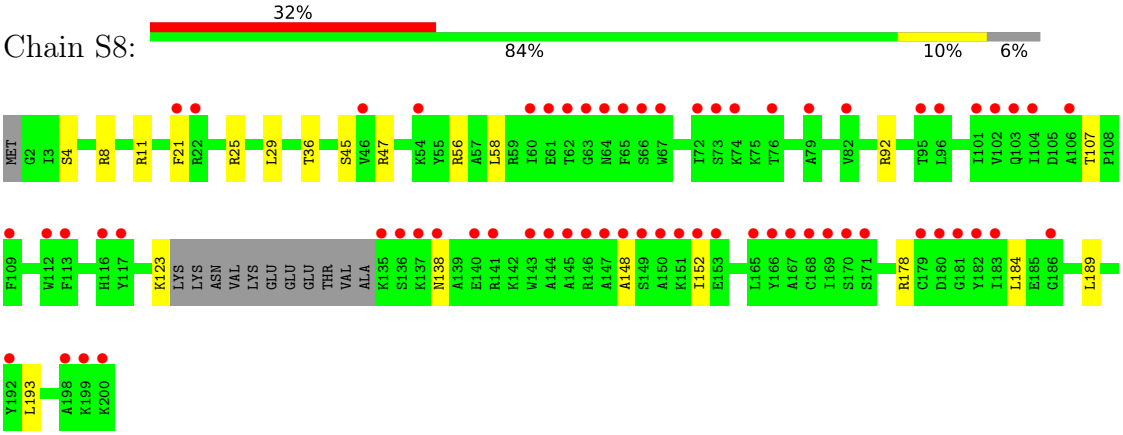
• Molecule 53: 40S ribosomal protein S7-A

Chain s7:



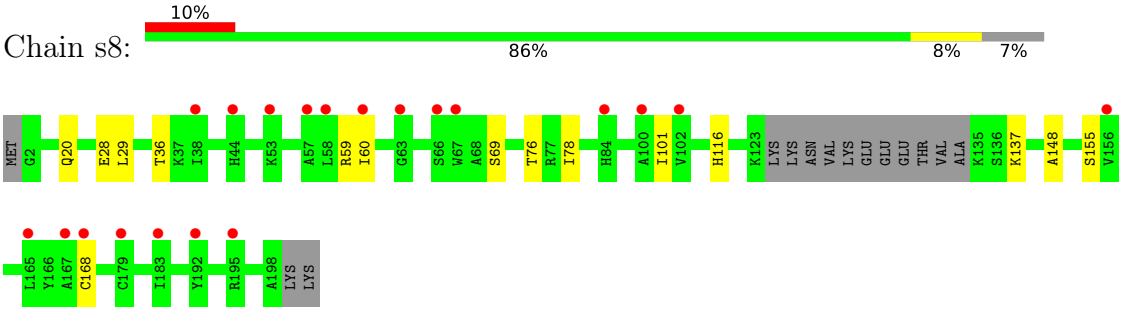
• Molecule 54: 40S ribosomal protein S8-A

Chain S8:



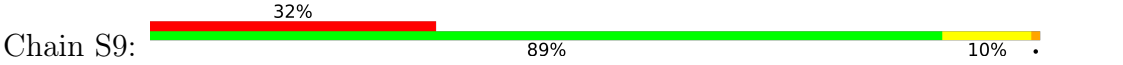
• Molecule 54: 40S ribosomal protein S8-A

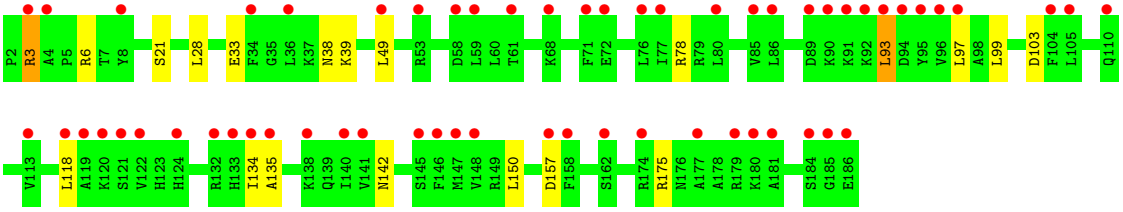
Chain s8:



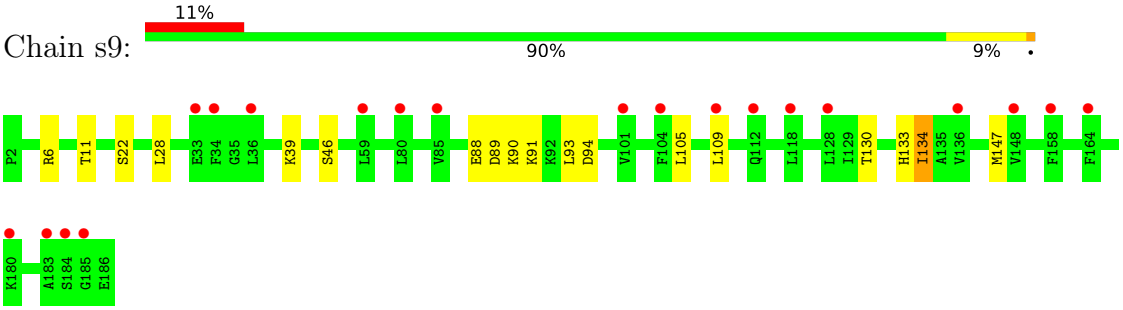
• Molecule 55: 40S ribosomal protein S9-A

Chain S9:

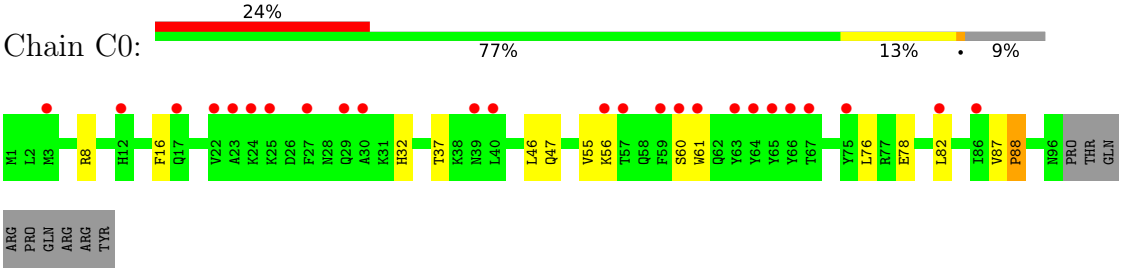




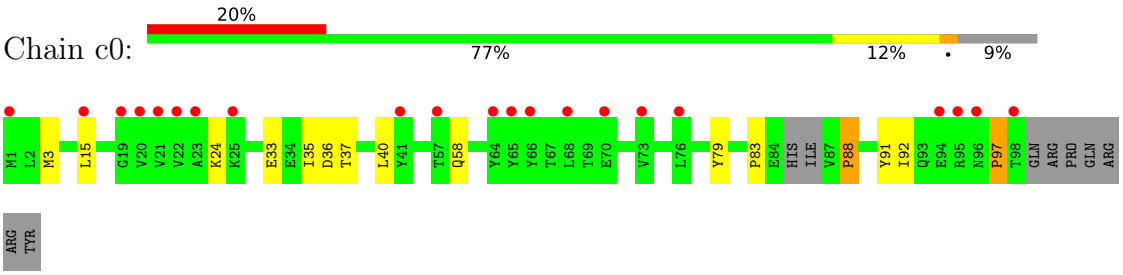
• Molecule 55: 40S ribosomal protein S9-A



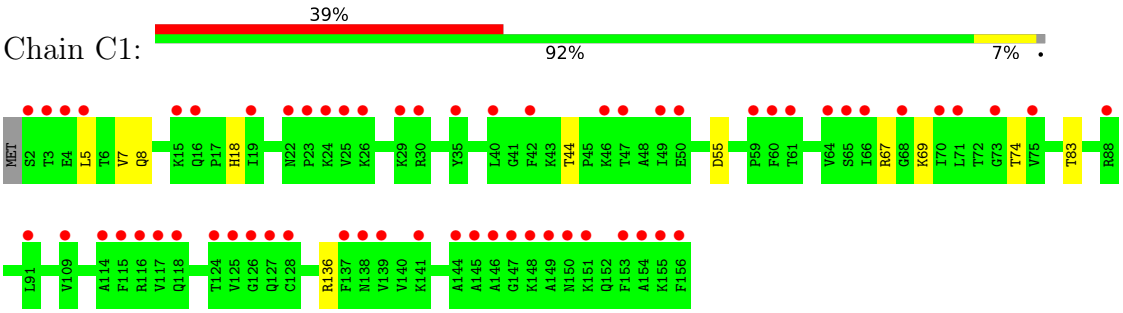
• Molecule 56: 40S ribosomal protein S10-A



• Molecule 56: 40S ribosomal protein S10-A

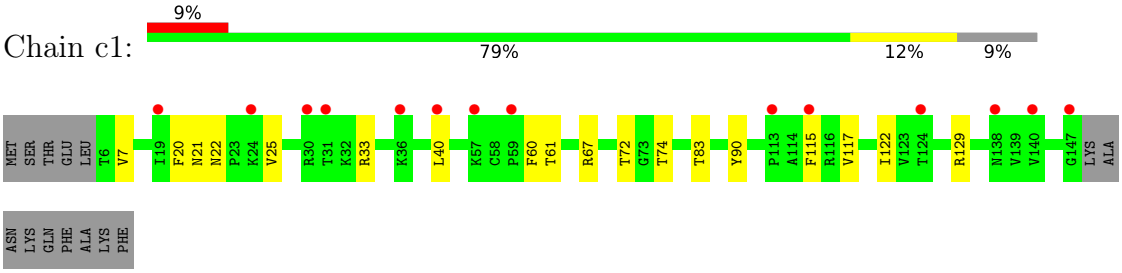


• Molecule 57: 40S ribosomal protein S11-A



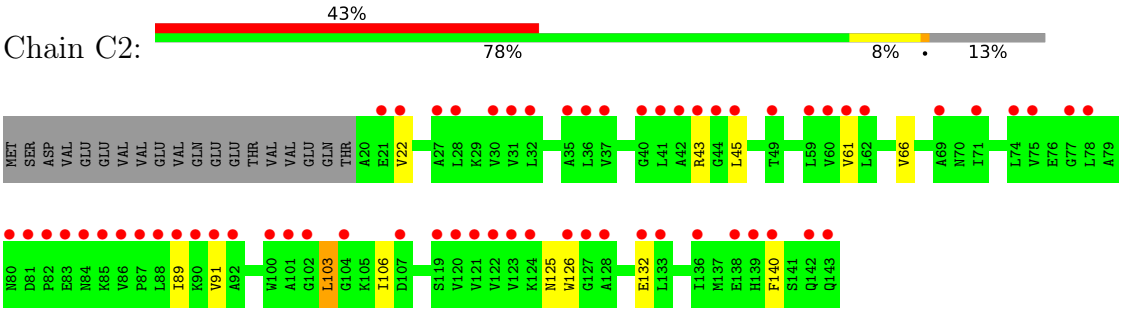
• Molecule 57: 40S ribosomal protein S11-A

Chain c1:



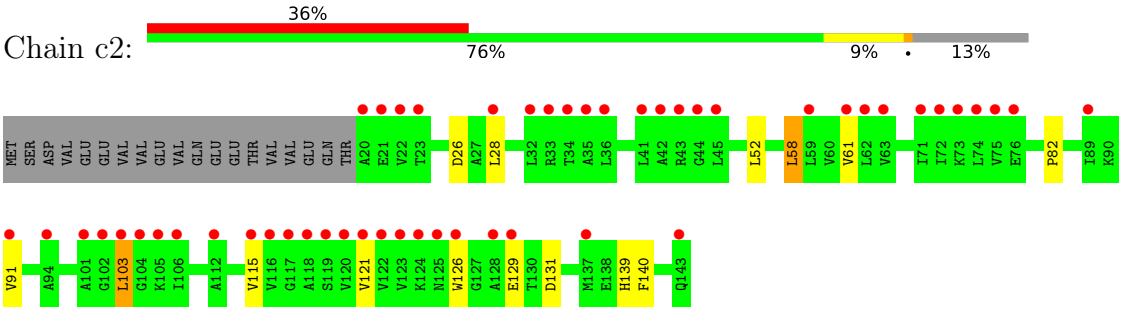
• Molecule 58: 40S ribosomal protein S12

Chain C2:



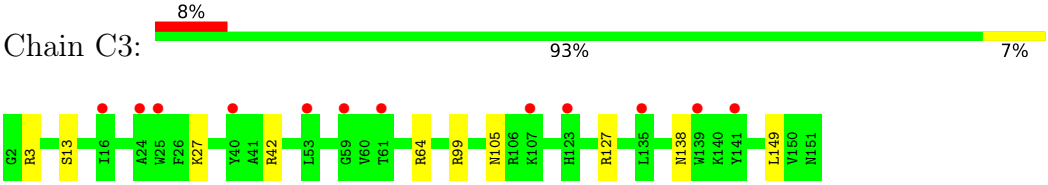
• Molecule 58: 40S ribosomal protein S12

Chain c2:



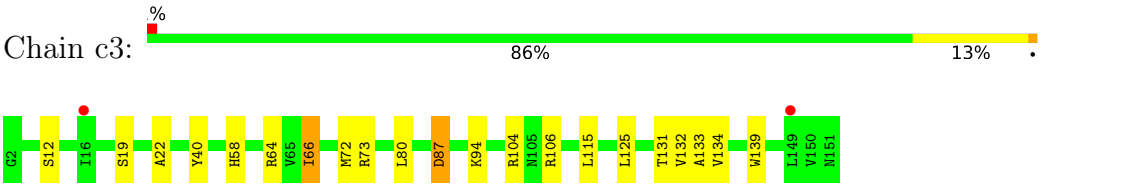
• Molecule 59: 40S ribosomal protein S13

Chain C3:



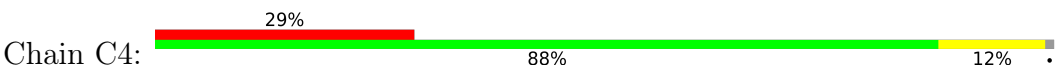
• Molecule 59: 40S ribosomal protein S13

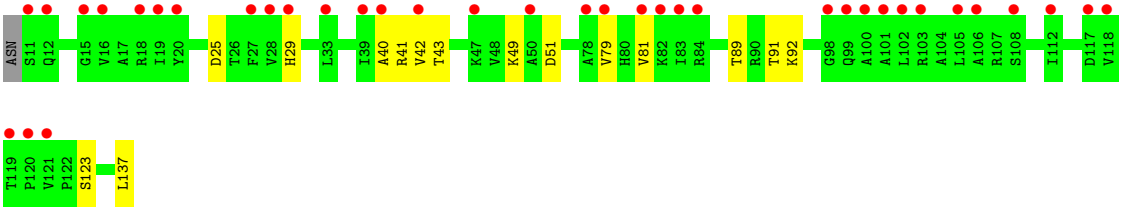
Chain c3:



• Molecule 60: 40S ribosomal protein S14-B

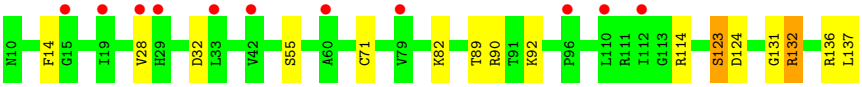
Chain C4:





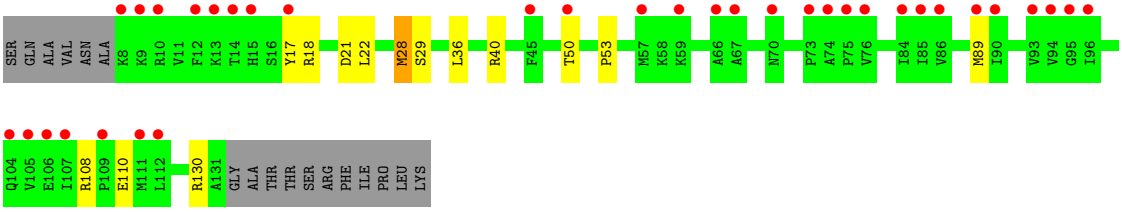
• Molecule 60: 40S ribosomal protein S14-B

Chain c4:



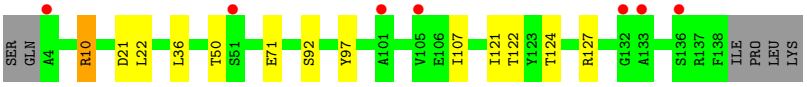
• Molecule 61: 40S ribosomal protein S15

Chain C5:



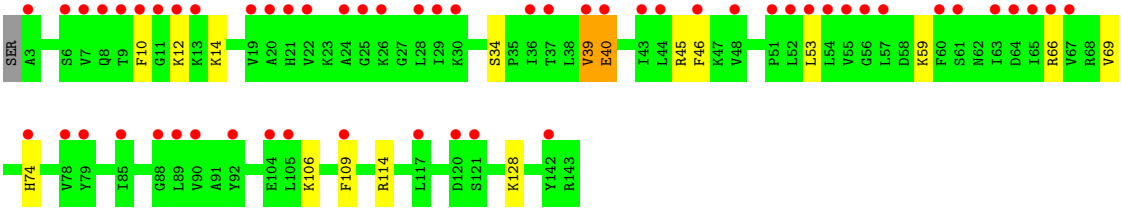
• Molecule 61: 40S ribosomal protein S15

Chain c5:



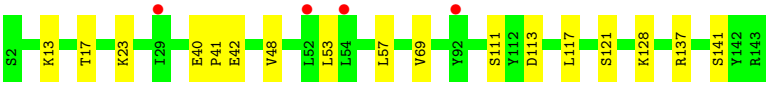
• Molecule 62: 40S ribosomal protein S16-A

Chain C6:



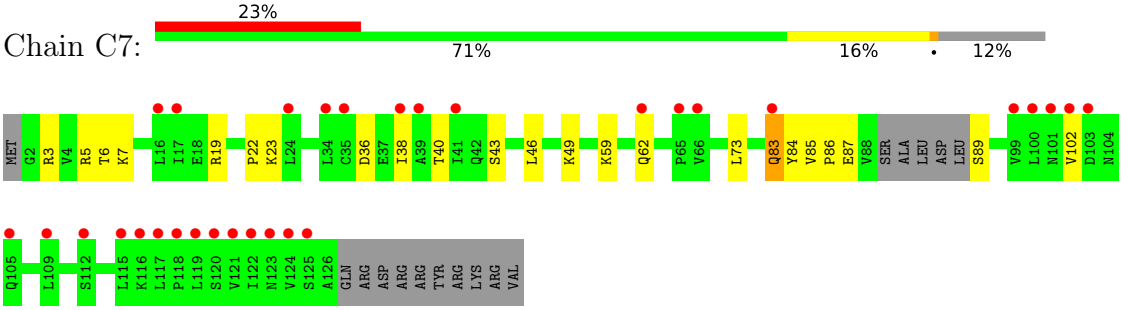
• Molecule 62: 40S ribosomal protein S16-A

Chain c6:



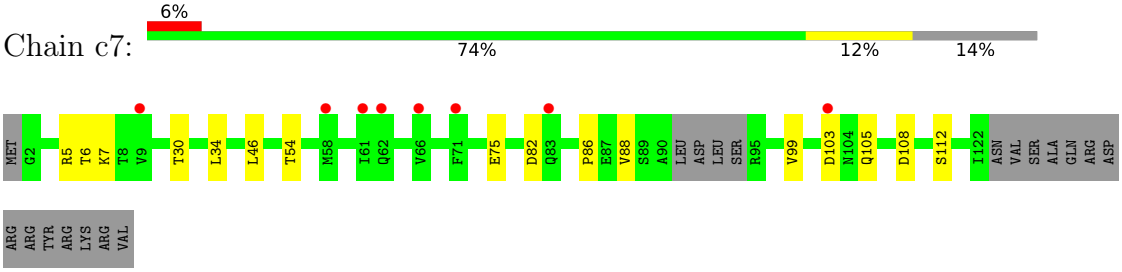
• Molecule 63: 40S ribosomal protein S17-A

Chain C7:



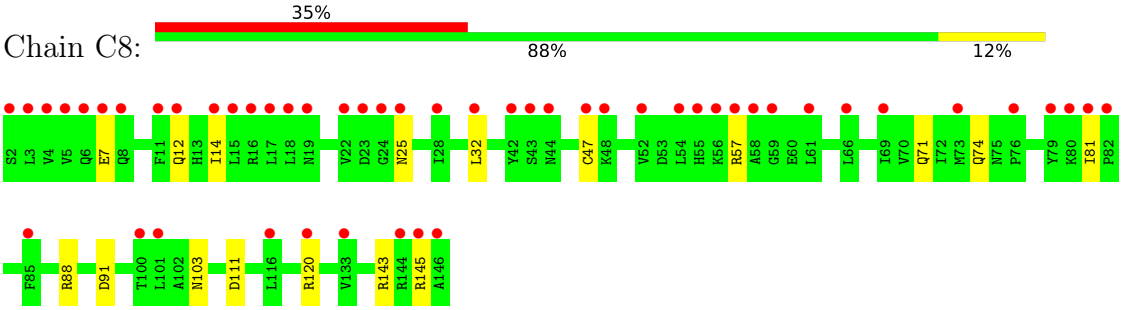
• Molecule 63: 40S ribosomal protein S17-A

Chain c7:



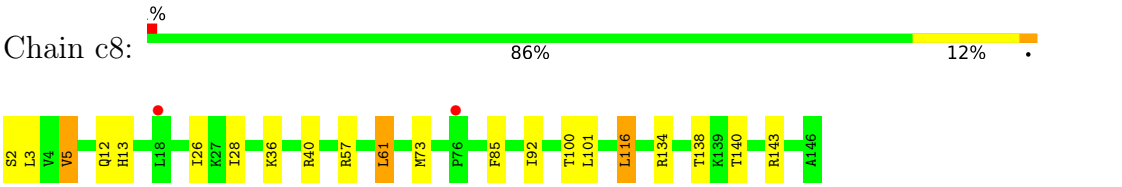
• Molecule 64: 40S ribosomal protein S18-A

Chain C8:



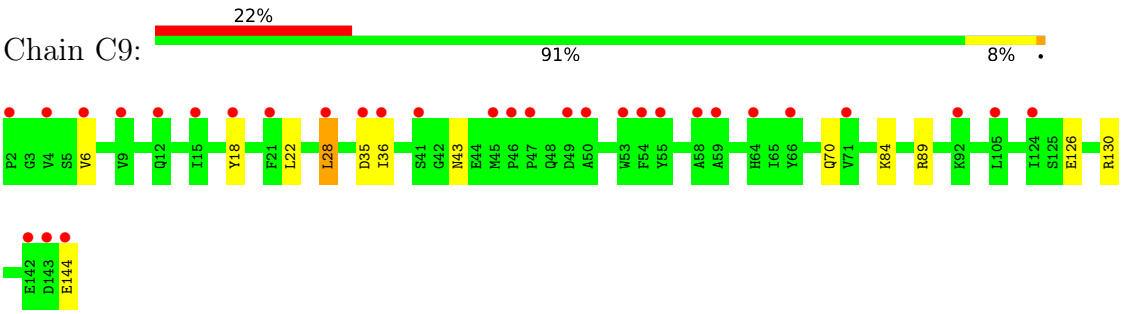
• Molecule 64: 40S ribosomal protein S18-A

Chain c8:



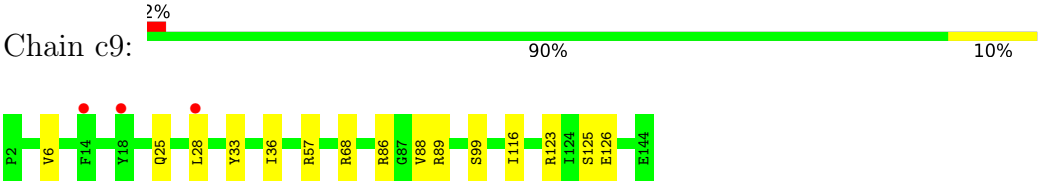
• Molecule 65: 40S ribosomal protein S19-A

Chain C9:



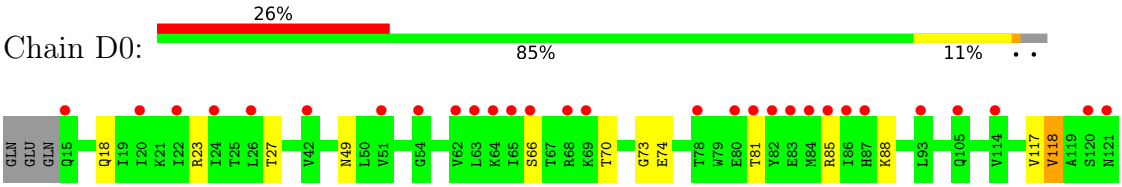
• Molecule 65: 40S ribosomal protein S19-A

Chain c9:



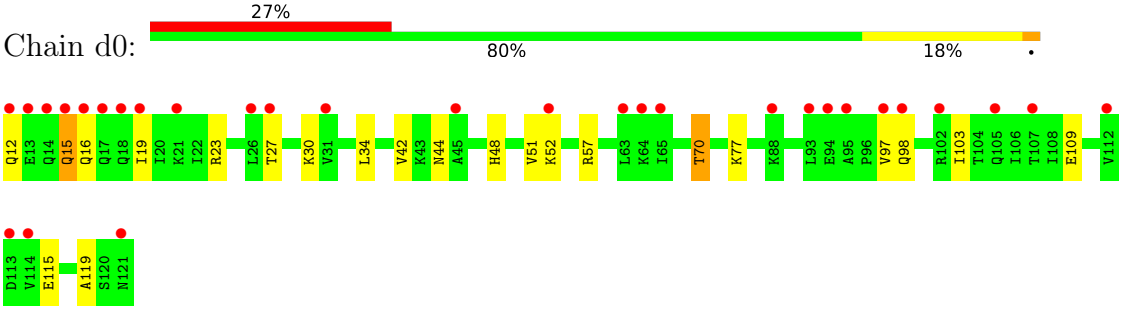
• Molecule 66: 40S ribosomal protein S20

Chain D0:



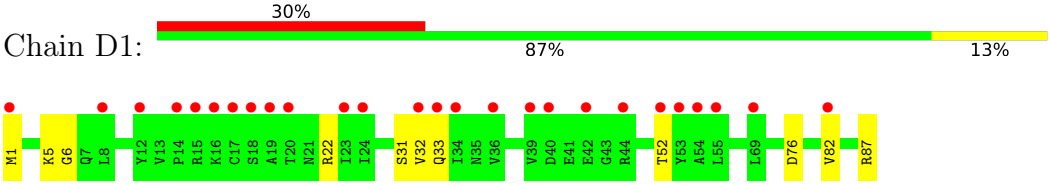
• Molecule 66: 40S ribosomal protein S20

Chain d0:



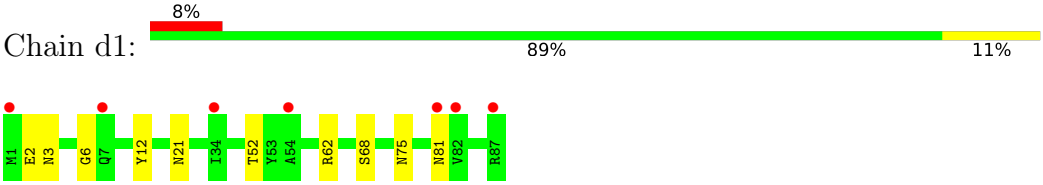
• Molecule 67: 40S ribosomal protein S21-A

Chain D1:



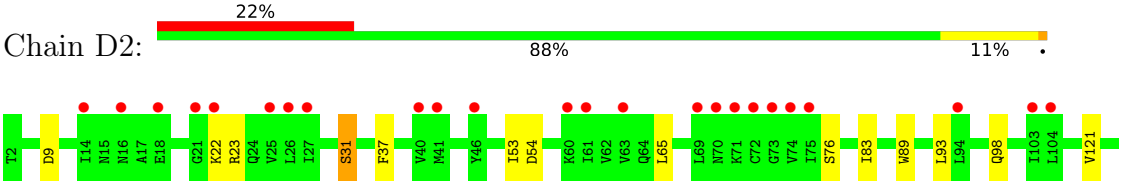
• Molecule 67: 40S ribosomal protein S21-A

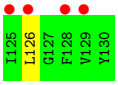
Chain d1:



• Molecule 68: 40S ribosomal protein S22-A

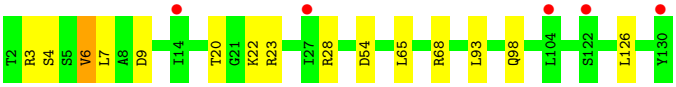
Chain D2:





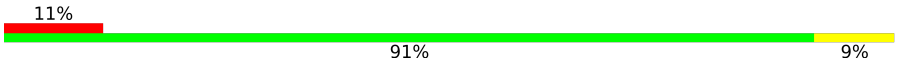
• Molecule 68: 40S ribosomal protein S22-A

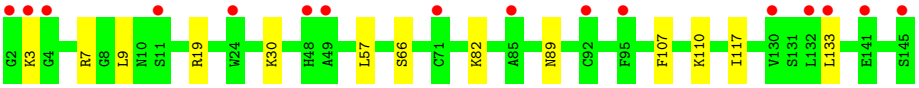
Chain d2:



• Molecule 69: 40S ribosomal protein S23-A

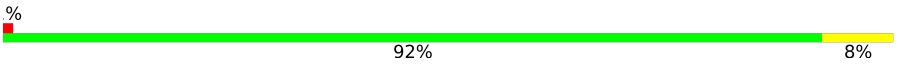
Chain D3:

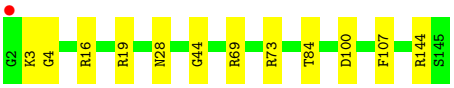




• Molecule 69: 40S ribosomal protein S23-A

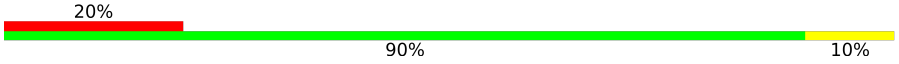
Chain d3:

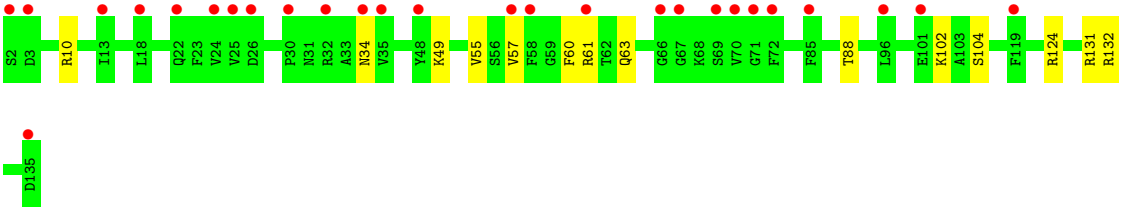




• Molecule 70: 40S ribosomal protein S24-A

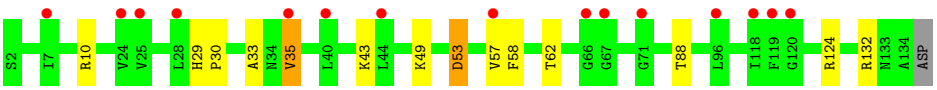
Chain D4:





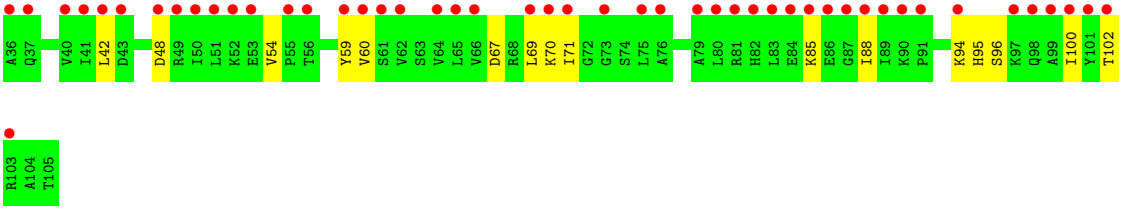
• Molecule 70: 40S ribosomal protein S24-A

Chain d4:



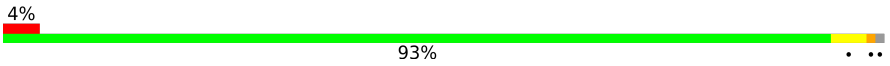
• Molecule 71: 40S ribosomal protein S25-A

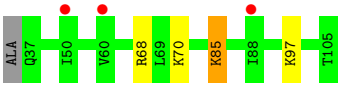
Chain D5:



• Molecule 71: 40S ribosomal protein S25-A

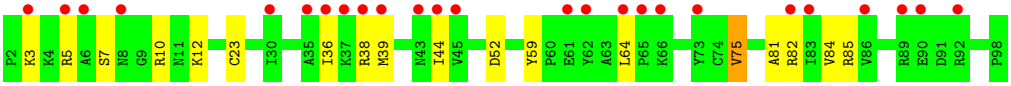
Chain d5:





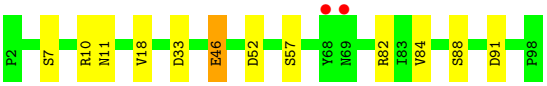
• Molecule 72: 40S ribosomal protein S26-B

Chain D6:



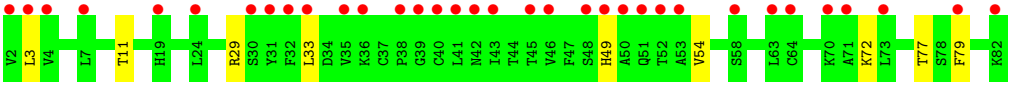
• Molecule 72: 40S ribosomal protein S26-B

Chain d6:



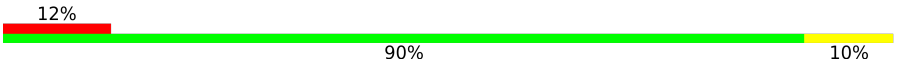
• Molecule 73: 40S ribosomal protein S27-A

Chain D7:



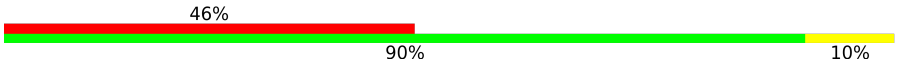
• Molecule 73: 40S ribosomal protein S27-A

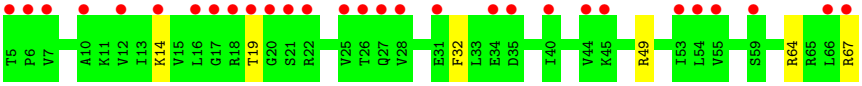
Chain d7:



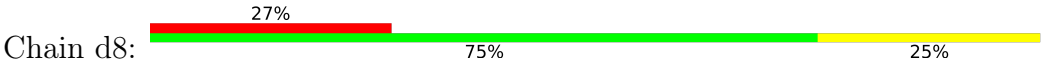
• Molecule 74: 40S ribosomal protein S28-A

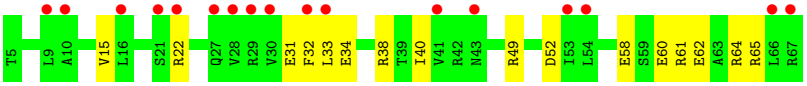
Chain D8:



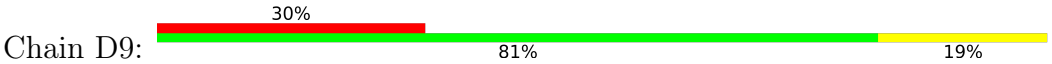


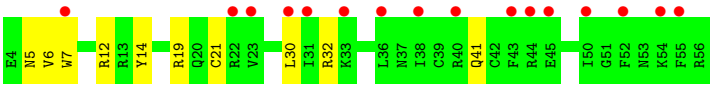
• Molecule 74: 40S ribosomal protein S28-A



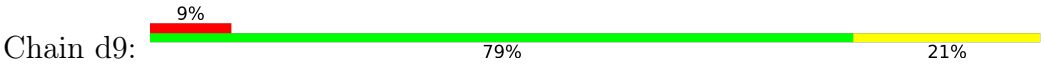


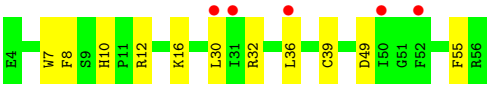
• Molecule 75: 40S ribosomal protein S29-A



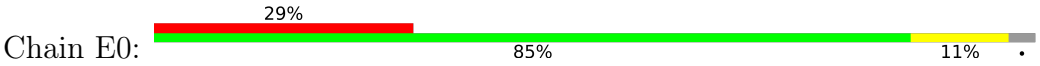


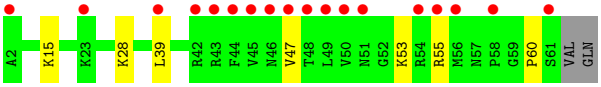
• Molecule 75: 40S ribosomal protein S29-A



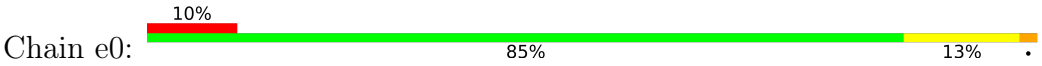


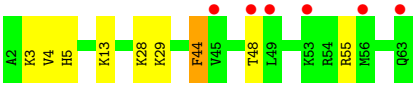
• Molecule 76: 40S ribosomal protein S30-A



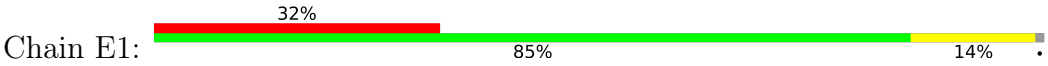


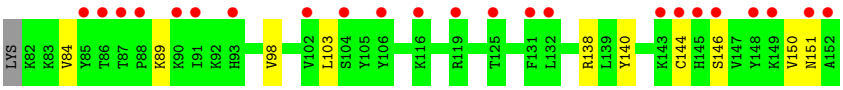
• Molecule 76: 40S ribosomal protein S30-A





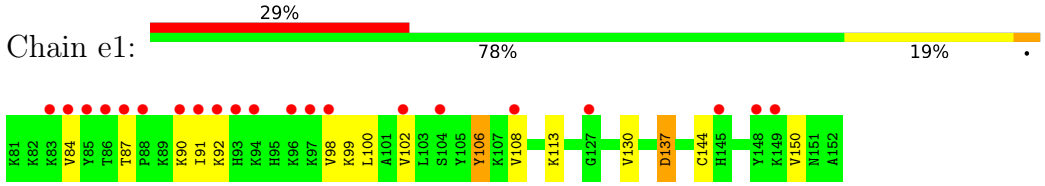
• Molecule 77: Ubiquitin-40S ribosomal protein S31





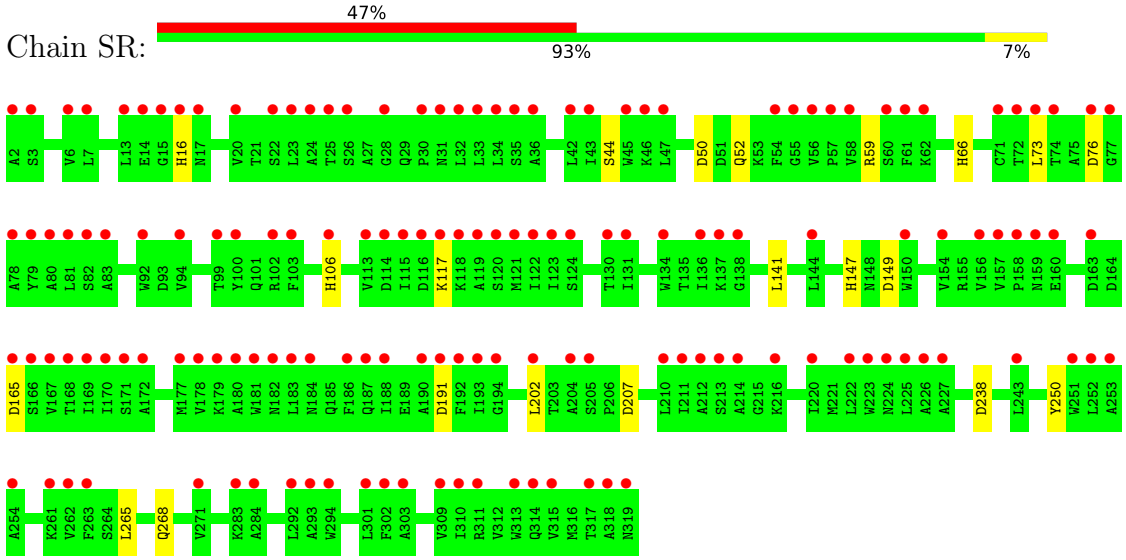
• Molecule 77: Ubiquitin-40S ribosomal protein S31

Chain e1:



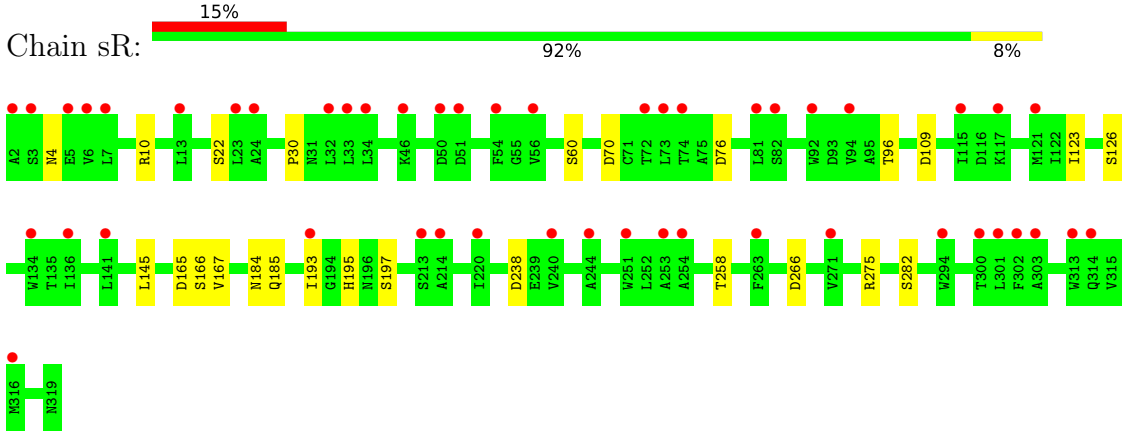
• Molecule 78: Guanine nucleotide-binding protein subunit beta-like protein

Chain SR:



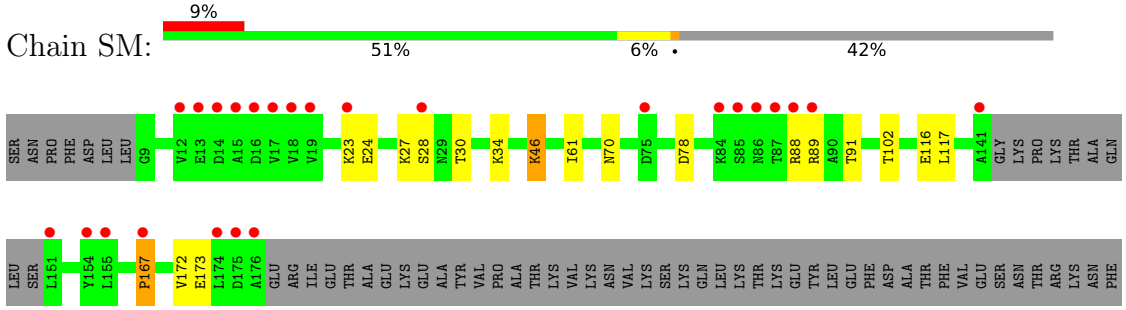
• Molecule 78: Guanine nucleotide-binding protein subunit beta-like protein

Chain sR:



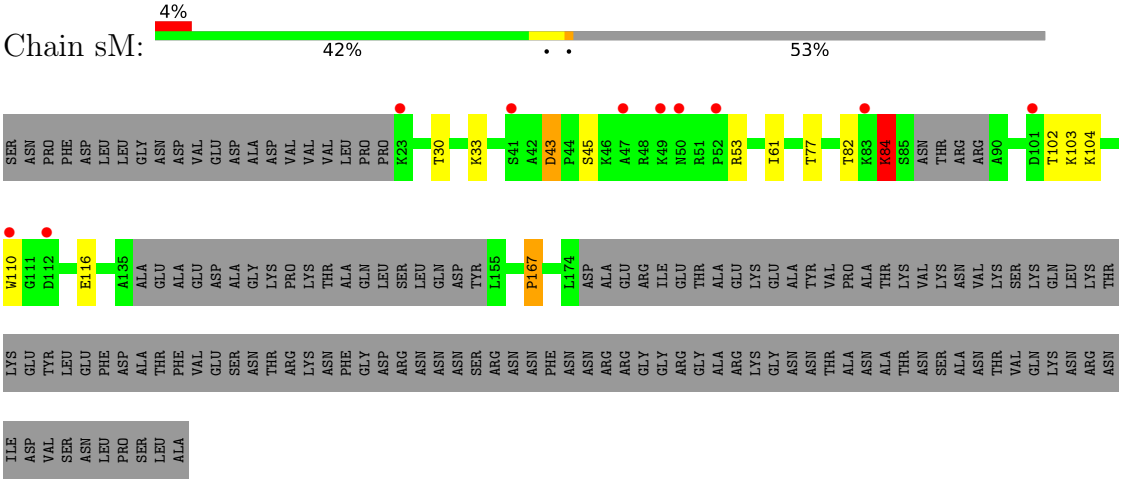
• Molecule 79: Suppressor protein STM1

Chain SM:



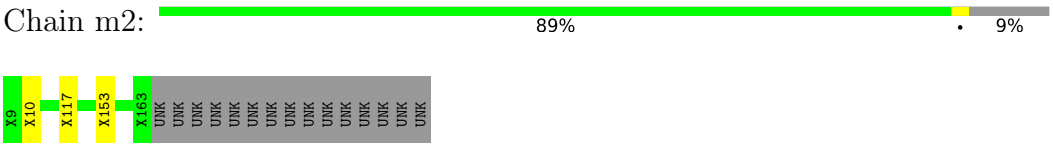
• Molecule 79: Suppressor protein STM1

Chain sM:



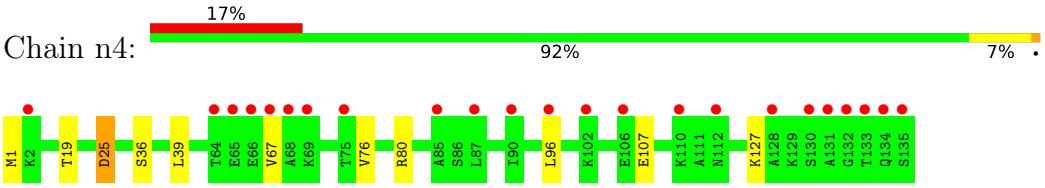
• Molecule 80: 60S ribosomal protein L12

Chain m2:



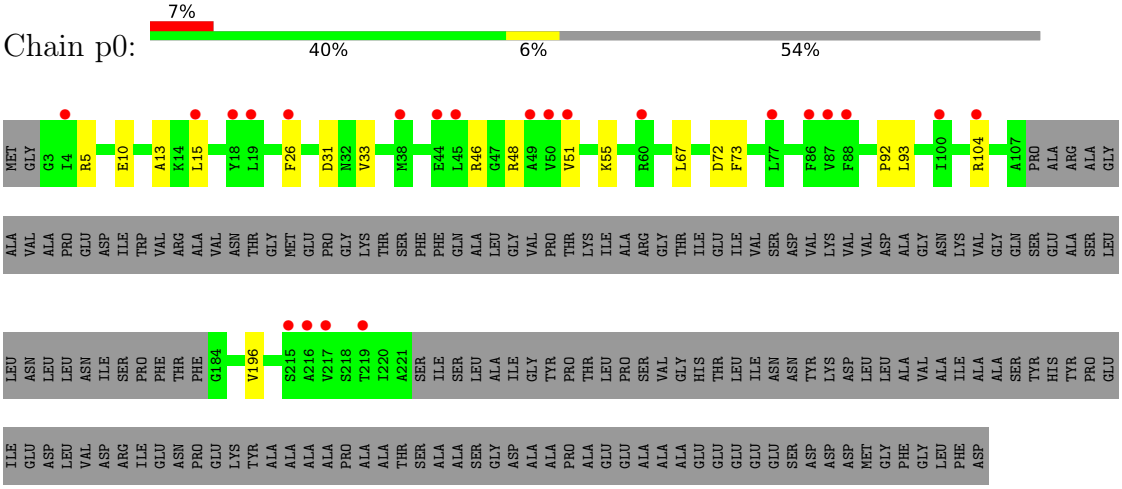
• Molecule 81: 60S ribosomal protein L24-A

Chain n4:

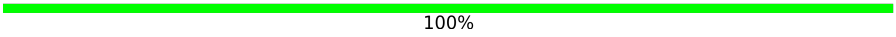


• Molecule 82: 60S acidic ribosomal protein P0

Chain p0:



• Molecule 83: Ribosomal protein P1 alpha

Chain p1: 

There are no outlier residues recorded for this chain.

4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α, β, γ	436.63Å 287.00Å 304.73Å 90.00° 99.08° 90.00°	Depositor
Resolution (Å)	143.72 – 3.40 143.72 – 3.40	Depositor EDS
% Data completeness (in resolution range)	99.9 (143.72-3.40) 92.9 (143.72-3.40)	Depositor EDS
R_{merge}	0.30	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	0.86 (at 3.41Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.189 , 0.238 0.189 , 0.238	Depositor DCC
R_{free} test set	20266 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å^2)	84.1	Xtriage
Anisotropy	0.137	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.30 , 85.8	EDS
L-test for twinning[2]	$< \|L\| > = 0.47$, $< L^2 > = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.93	EDS
Total number of atoms	404238	wwPDB-VP
Average B, all atoms (Å^2)	108.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.46% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: MG, ZN, LLL

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	1	0.73	10/74216 (0.0%)	1.29	499/115705 (0.4%)
1	5	0.83	19/75037 (0.0%)	1.37	668/116983 (0.6%)
2	3	0.62	0/2883	1.14	5/4491 (0.1%)
2	7	0.81	0/2883	1.33	18/4491 (0.4%)
3	4	0.66	0/3701	1.20	14/5760 (0.2%)
3	8	0.63	0/3746	1.18	14/5832 (0.2%)
4	L2	0.42	0/1948	0.66	0/2617
4	l2	0.44	0/1946	0.71	0/2614
5	L3	0.49	0/3152	0.67	1/4239 (0.0%)
5	l3	0.56	0/3152	0.71	1/4239 (0.0%)
6	L4	0.49	1/2801 (0.0%)	0.72	3/3792 (0.1%)
6	l4	0.47	0/2801	0.68	1/3792 (0.0%)
7	L5	0.41	0/2425	0.60	0/3271
7	l5	0.53	0/2408	0.67	1/3248 (0.0%)
8	L6	0.49	0/1260	0.63	0/1694
8	l6	0.53	0/1269	0.67	0/1705
9	L7	0.45	0/1821	0.64	0/2451
9	l7	0.54	0/1828	0.69	1/2461 (0.0%)
10	L8	0.38	0/1849	0.55	0/2495
10	l8	0.43	1/1795 (0.1%)	0.61	0/2429
11	L9	0.46	0/1539	0.64	0/2073
11	l9	0.60	0/1539	0.68	0/2073
12	M0	0.52	0/1743	0.64	0/2339
12	m0	0.63	0/1752	0.76	2/2349 (0.1%)
13	M1	0.40	0/1374	0.63	2/1842 (0.1%)
13	m1	0.54	0/1374	0.69	1/1842 (0.1%)
14	M3	0.47	0/1568	0.67	0/2106
14	m3	0.45	0/1573	0.66	0/2113
15	M4	0.48	0/1068	0.60	0/1438
15	m4	0.55	0/1074	0.67	0/1446
16	M5	0.43	0/1757	0.63	0/2354
16	m5	0.44	0/1757	0.63	0/2354

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
17	M6	0.58	1/1585 (0.1%)	0.69	0/2128
17	m6	0.67	0/1585	0.74	3/2128 (0.1%)
18	M7	0.49	0/1438	0.65	0/1937
18	m7	0.51	0/1250	0.69	0/1683
19	M8	0.45	0/1465	0.67	0/1965
19	m8	0.49	0/1465	0.68	0/1965
20	M9	0.36	0/1491	0.57	0/1987
20	m9	0.39	0/1538	0.54	0/2050
21	N0	0.44	0/1481	0.61	0/1990
21	n0	0.58	0/1481	0.68	2/1990 (0.1%)
22	N1	0.48	0/1300	0.64	0/1743
22	n1	0.59	0/1300	0.66	0/1743
23	N2	0.34	0/812	0.53	0/1099
23	n2	0.39	0/794	0.56	0/1076
24	N3	0.51	0/1018	0.65	0/1369
24	n3	0.59	0/1018	0.74	0/1369
25	N4	0.40	0/712	0.58	0/958
26	N5	0.39	0/979	0.60	1/1321 (0.1%)
26	n5	0.41	0/974	0.64	0/1314
27	N6	0.45	0/1004	0.69	0/1341
27	n6	0.41	0/1004	0.65	0/1341
28	N7	0.37	0/1118	0.58	0/1497
28	n7	0.38	0/1118	0.55	0/1497
29	N8	0.47	0/1204	0.68	0/1612
29	n8	0.50	0/1204	0.70	0/1612
30	N9	0.50	0/473	0.68	0/629
30	n9	0.54	0/473	0.74	0/629
31	O0	0.34	0/751	0.56	1/1008 (0.1%)
31	o0	0.36	0/775	0.56	0/1040
32	O1	0.43	0/904	0.60	0/1213
32	o1	0.51	0/904	0.65	0/1213
33	O2	0.53	0/1041	0.67	0/1394
33	o2	0.49	0/1041	0.66	0/1394
34	O3	0.55	0/868	0.66	0/1168
34	o3	0.64	0/868	0.69	0/1168
35	O4	0.39	0/891	0.57	1/1191 (0.1%)
35	o4	0.39	0/891	0.61	0/1191
36	O5	0.43	0/978	0.62	0/1301
36	o5	0.39	0/978	0.58	1/1301 (0.1%)
37	O6	0.41	0/778	0.66	0/1034
37	o6	0.41	0/778	0.57	0/1034
38	O7	0.46	0/696	0.72	0/923
38	o7	0.50	0/696	0.71	0/923

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
39	O8	0.35	0/618	0.55	0/826
39	o8	0.36	0/618	0.60	0/826
40	O9	0.49	0/443	0.66	0/588
40	o9	0.48	0/443	0.67	0/588
41	Q0	0.55	0/423	0.74	0/562
41	q0	0.77	2/423 (0.5%)	0.80	0/562
42	Q1	0.42	0/234	0.57	0/300
42	q1	0.56	0/234	0.77	0/300
43	Q2	0.50	0/860	0.72	1/1136 (0.1%)
43	q2	0.59	0/860	0.74	0/1136
44	Q3	0.40	0/701	0.61	0/934
44	q3	0.47	0/701	0.65	0/934
45	2	0.50	0/40811	1.07	126/63585 (0.2%)
45	6	0.66	4/41451 (0.0%)	1.23	234/64581 (0.4%)
46	S0	0.35	1/1653 (0.1%)	0.56	0/2261
46	s0	0.37	0/1653	0.61	0/2261
47	S1	0.33	0/1735	0.63	3/2335 (0.1%)
47	s1	0.37	0/1748	0.63	2/2352 (0.1%)
48	S2	0.37	0/1665	0.59	0/2263
48	s2	0.41	0/1665	0.67	1/2263 (0.0%)
49	S3	0.34	0/1759	0.53	0/2368
49	s3	0.40	0/1753	0.59	0/2361
50	S4	0.36	0/2109	0.63	1/2839 (0.0%)
50	s4	0.39	0/2109	0.66	1/2839 (0.0%)
51	S5	0.59	1/1629 (0.1%)	0.52	0/2202
51	s5	0.42	0/1629	0.67	0/2202
52	S6	0.37	0/1837	0.55	0/2455
52	s6	0.40	0/1779	0.59	1/2379 (0.0%)
53	S7	0.34	0/1506	0.59	0/2028
53	s7	0.36	0/1516	0.61	1/2043 (0.0%)
54	S8	0.36	0/1514	0.58	1/2021 (0.0%)
54	s8	0.40	0/1496	0.61	0/1999
55	S9	0.34	0/1519	0.59	2/2035 (0.1%)
55	s9	0.38	0/1519	0.62	0/2035
56	C0	0.34	0/789	0.62	1/1067 (0.1%)
56	c0	0.36	0/776	0.76	4/1047 (0.4%)
57	C1	0.38	0/1239	0.54	0/1673
57	c1	0.43	0/1164	0.60	0/1569
58	C2	0.31	0/898	0.66	1/1220 (0.1%)
58	c2	0.33	0/898	0.65	2/1220 (0.2%)
59	C3	0.33	0/1215	0.52	0/1638
59	c3	0.41	0/1215	0.62	1/1638 (0.1%)
60	C4	0.30	0/901	0.60	0/1217

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
60	c4	0.39	0/960	0.70	0/1290
61	C5	0.37	0/998	0.59	0/1341
61	c5	0.45	0/1060	0.69	1/1426 (0.1%)
62	C6	0.32	0/1125	0.57	1/1510 (0.1%)
62	c6	0.46	0/1131	0.63	0/1518
63	C7	0.35	0/975	0.61	1/1307 (0.1%)
63	c7	0.38	0/925	0.63	0/1239
64	C8	0.32	0/1211	0.54	0/1628
64	c8	0.48	0/1211	0.67	1/1628 (0.1%)
65	C9	0.33	0/1130	0.54	1/1517 (0.1%)
65	c9	0.46	0/1130	0.60	0/1517
66	D0	0.36	0/865	0.56	0/1169
66	d0	0.43	0/892	0.65	0/1205
67	D1	0.31	0/693	0.60	0/935
67	d1	0.37	0/693	0.60	0/935
68	D2	0.35	0/1038	0.61	0/1395
68	d2	0.40	0/1038	0.64	1/1395 (0.1%)
69	D3	0.43	0/1139	0.63	1/1518 (0.1%)
69	d3	0.52	1/1139 (0.1%)	0.68	0/1518
70	D4	0.38	0/1087	0.57	0/1449
70	d4	0.39	0/1079	0.60	0/1438
71	D5	0.29	0/571	0.58	0/768
71	d5	0.43	0/566	0.55	0/761
72	D6	0.48	1/782 (0.1%)	0.66	1/1047 (0.1%)
72	d6	0.52	0/782	0.72	0/1047
73	D7	0.32	0/620	0.59	0/838
73	d7	0.37	0/620	0.69	1/838 (0.1%)
74	D8	0.30	0/499	0.52	0/670
74	d8	0.40	0/499	0.60	0/670
75	D9	0.46	0/453	0.69	0/602
75	d9	0.44	0/453	0.68	0/602
76	E0	0.36	0/483	0.57	0/643
76	e0	0.40	0/499	0.67	0/665
77	E1	0.34	0/577	0.66	0/770
77	e1	0.39	0/586	0.78	0/781
78	SR	0.30	0/2494	0.55	0/3394
78	sR	0.34	0/2494	0.59	0/3394
79	SM	0.34	0/1113	0.64	1/1502 (0.1%)
79	sM	0.41	0/929	0.68	3/1246 (0.2%)
81	n4	0.42	0/1058	0.62	0/1405
82	p0	0.36	0/1092	0.56	0/1474
All	All	0.61	42/426558 (0.0%)	1.06	1636/625790 (0.3%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
4	L2	0	1
4	l2	0	2
5	l3	0	1
6	L4	0	1
6	l4	0	2
7	L5	0	1
7	l5	0	2
9	L7	0	1
9	l7	0	2
11	L9	0	1
12	M0	0	1
12	m0	0	1
13	M1	0	1
13	m1	0	1
14	M3	0	1
15	M4	0	1
16	m5	0	1
18	M7	0	1
19	M8	0	1
21	N0	0	2
23	n2	0	1
24	n3	0	1
25	N4	0	2
27	N6	0	1
28	N7	0	1
28	n7	0	2
29	N8	0	3
29	n8	0	1
30	N9	0	1
32	o1	0	1
33	o2	0	2
34	o3	0	1
35	o4	0	1
37	o6	0	1
40	O9	0	1
46	s0	0	3
47	S1	0	1
48	S2	0	2
49	s3	0	1

Continued on next page...

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Mol	Chain	#Chirality outliers	#Planarity outliers
50	S4	0	3
51	S5	0	1
51	s5	0	2
52	S6	0	1
52	s6	0	1
53	S7	0	5
53	s7	0	3
54	s8	0	2
55	s9	0	2
58	c2	0	1
59	c3	0	1
60	C4	0	2
60	c4	0	4
61	C5	0	2
61	c5	0	2
62	C6	0	1
63	C7	0	2
63	c7	0	2
64	C8	0	1
66	D0	0	2
66	d0	0	5
67	D1	0	1
68	D2	0	1
68	d2	0	1
69	d3	0	1
70	D4	0	1
70	d4	0	2
71	D5	0	3
71	d5	0	1
72	D6	0	2
72	d6	0	1
73	D7	0	1
76	e0	0	1
77	E1	0	3
77	e1	0	2
78	sR	0	4
79	SM	0	2
79	sM	0	2
80	m2	0	3
82	p0	0	1
All	All	0	130

The worst 5 of 42 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
51	S5	21	THR	C-N	20.19	1.72	1.34
1	5	2971	A	N9-C4	12.79	1.45	1.37
1	5	1152	G	N9-C4	-9.61	1.30	1.38
6	L4	19	ALA	C-N	8.69	1.54	1.34
72	D6	59	TYR	C-N	8.53	1.50	1.34

The worst 5 of 1636 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5	1152	G	N3-C4-N9	-18.77	114.74	126.00
1	5	1152	G	N3-C4-C5	17.59	137.39	128.60
1	1	1201	C	C6-N1-C2	-14.35	114.56	120.30
6	L4	182	LEU	CA-CB-CG	12.68	144.47	115.30
1	5	420	G	C5-C6-O6	-12.32	121.21	128.60

There are no chirality outliers.

5 of 130 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
4	L2	48	ILE	Peptide
6	L4	318	LEU	Peptide
7	L5	251	PRO	Peptide
9	L7	29	GLU	Peptide
11	L9	21	LYS	Peptide

5.2 Too-close contacts

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

5.3 Torsion angles

5.3.1 Protein backbone

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	
4	L2	250/252 (99%)	233 (93%)	17 (7%)	0	100	100
4	l2	250/252 (99%)	227 (91%)	21 (8%)	2 (1%)	19	51
5	L3	384/386 (100%)	349 (91%)	32 (8%)	3 (1%)	19	51
5	l3	384/386 (100%)	354 (92%)	29 (8%)	1 (0%)	41	72
6	L4	359/361 (99%)	323 (90%)	34 (10%)	2 (1%)	25	57
6	l4	359/361 (99%)	313 (87%)	43 (12%)	3 (1%)	19	51
7	L5	294/296 (99%)	266 (90%)	28 (10%)	0	100	100
7	l5	292/296 (99%)	266 (91%)	24 (8%)	2 (1%)	22	55
8	L6	152/176 (86%)	141 (93%)	10 (7%)	1 (1%)	22	55
8	l6	153/176 (87%)	139 (91%)	12 (8%)	2 (1%)	12	39
9	L7	220/223 (99%)	204 (93%)	16 (7%)	0	100	100
9	l7	221/223 (99%)	206 (93%)	13 (6%)	2 (1%)	17	49
10	L8	231/233 (99%)	199 (86%)	30 (13%)	2 (1%)	17	49
10	l8	229/233 (98%)	194 (85%)	33 (14%)	2 (1%)	17	49
11	L9	189/191 (99%)	169 (89%)	20 (11%)	0	100	100
11	l9	189/191 (99%)	176 (93%)	11 (6%)	2 (1%)	14	44
12	M0	208/221 (94%)	188 (90%)	19 (9%)	1 (0%)	29	61
12	m0	207/221 (94%)	184 (89%)	23 (11%)	0	100	100
13	M1	167/169 (99%)	142 (85%)	25 (15%)	0	100	100
13	m1	167/169 (99%)	146 (87%)	19 (11%)	2 (1%)	13	41
14	M3	191/194 (98%)	170 (89%)	19 (10%)	2 (1%)	15	46
14	m3	192/194 (99%)	164 (85%)	26 (14%)	2 (1%)	15	46
15	M4	134/137 (98%)	120 (90%)	14 (10%)	0	100	100
15	m4	135/137 (98%)	126 (93%)	9 (7%)	0	100	100
16	M5	201/203 (99%)	186 (92%)	15 (8%)	0	100	100
16	m5	201/203 (99%)	186 (92%)	15 (8%)	0	100	100
17	M6	195/197 (99%)	187 (96%)	7 (4%)	1 (0%)	29	61
17	m6	195/197 (99%)	190 (97%)	5 (3%)	0	100	100
18	M7	181/184 (98%)	169 (93%)	12 (7%)	0	100	100
18	m7	153/184 (83%)	140 (92%)	13 (8%)	0	100	100
19	M8	183/185 (99%)	174 (95%)	9 (5%)	0	100	100
19	m8	183/185 (99%)	167 (91%)	14 (8%)	2 (1%)	14	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
20	M9	180/188 (96%)	169 (94%)	11 (6%)	0	100	100
20	m9	186/188 (99%)	171 (92%)	15 (8%)	0	100	100
21	N0	170/172 (99%)	157 (92%)	13 (8%)	0	100	100
21	n0	170/172 (99%)	161 (95%)	9 (5%)	0	100	100
22	N1	157/159 (99%)	148 (94%)	6 (4%)	3 (2%)	8	31
22	n1	157/159 (99%)	150 (96%)	7 (4%)	0	100	100
23	N2	98/100 (98%)	89 (91%)	8 (8%)	1 (1%)	15	46
23	n2	96/100 (96%)	84 (88%)	12 (12%)	0	100	100
24	N3	134/136 (98%)	130 (97%)	4 (3%)	0	100	100
24	n3	134/136 (98%)	130 (97%)	4 (3%)	0	100	100
25	N4	96/155 (62%)	83 (86%)	12 (12%)	1 (1%)	15	46
26	N5	119/121 (98%)	107 (90%)	12 (10%)	0	100	100
26	n5	118/121 (98%)	108 (92%)	10 (8%)	0	100	100
27	N6	124/126 (98%)	119 (96%)	5 (4%)	0	100	100
27	n6	124/126 (98%)	117 (94%)	5 (4%)	2 (2%)	9	34
28	N7	133/135 (98%)	114 (86%)	19 (14%)	0	100	100
28	n7	133/135 (98%)	116 (87%)	16 (12%)	1 (1%)	19	51
29	N8	146/148 (99%)	126 (86%)	19 (13%)	1 (1%)	22	55
29	n8	146/148 (99%)	132 (90%)	13 (9%)	1 (1%)	22	55
30	N9	56/58 (97%)	51 (91%)	4 (7%)	1 (2%)	8	32
30	n9	56/58 (97%)	49 (88%)	5 (9%)	2 (4%)	3	21
31	O0	95/100 (95%)	89 (94%)	5 (5%)	1 (1%)	14	44
31	o0	98/100 (98%)	89 (91%)	9 (9%)	0	100	100
32	O1	107/109 (98%)	94 (88%)	13 (12%)	0	100	100
32	o1	107/109 (98%)	96 (90%)	10 (9%)	1 (1%)	17	49
33	O2	125/127 (98%)	117 (94%)	8 (6%)	0	100	100
33	o2	125/127 (98%)	111 (89%)	14 (11%)	0	100	100
34	O3	104/106 (98%)	97 (93%)	7 (7%)	0	100	100
34	o3	104/106 (98%)	99 (95%)	5 (5%)	0	100	100
35	O4	110/112 (98%)	100 (91%)	10 (9%)	0	100	100
35	o4	110/112 (98%)	99 (90%)	10 (9%)	1 (1%)	17	49

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
36	O5	117/119 (98%)	104 (89%)	13 (11%)	0	100 100
36	o5	117/119 (98%)	105 (90%)	12 (10%)	0	100 100
37	O6	97/99 (98%)	80 (82%)	15 (16%)	2 (2%)	7 30
37	o6	97/99 (98%)	86 (89%)	11 (11%)	0	100 100
38	O7	85/87 (98%)	77 (91%)	8 (9%)	0	100 100
38	o7	85/87 (98%)	77 (91%)	8 (9%)	0	100 100
39	O8	75/77 (97%)	69 (92%)	6 (8%)	0	100 100
39	o8	75/77 (97%)	71 (95%)	4 (5%)	0	100 100
40	O9	48/50 (96%)	43 (90%)	5 (10%)	0	100 100
40	o9	48/50 (96%)	46 (96%)	2 (4%)	0	100 100
41	Q0	50/52 (96%)	46 (92%)	4 (8%)	0	100 100
41	q0	50/52 (96%)	48 (96%)	1 (2%)	1 (2%)	7 30
42	Q1	23/25 (92%)	22 (96%)	1 (4%)	0	100 100
42	q1	23/25 (92%)	20 (87%)	3 (13%)	0	100 100
43	Q2	103/105 (98%)	91 (88%)	12 (12%)	0	100 100
43	q2	103/105 (98%)	94 (91%)	8 (8%)	1 (1%)	15 46
44	Q3	89/91 (98%)	77 (86%)	12 (14%)	0	100 100
44	q3	89/91 (98%)	81 (91%)	8 (9%)	0	100 100
46	S0	204/206 (99%)	176 (86%)	27 (13%)	1 (0%)	29 61
46	s0	204/206 (99%)	170 (83%)	30 (15%)	4 (2%)	7 30
47	S1	212/216 (98%)	175 (82%)	35 (16%)	2 (1%)	17 49
47	s1	214/216 (99%)	188 (88%)	25 (12%)	1 (0%)	29 61
48	S2	215/217 (99%)	189 (88%)	25 (12%)	1 (0%)	29 61
48	s2	215/217 (99%)	196 (91%)	18 (8%)	1 (0%)	29 61
49	S3	221/223 (99%)	201 (91%)	19 (9%)	1 (0%)	29 61
49	s3	221/223 (99%)	194 (88%)	25 (11%)	2 (1%)	17 49
50	S4	258/260 (99%)	230 (89%)	27 (10%)	1 (0%)	34 67
50	s4	258/260 (99%)	225 (87%)	32 (12%)	1 (0%)	34 67
51	S5	204/206 (99%)	175 (86%)	26 (13%)	3 (2%)	10 36
51	s5	204/206 (99%)	182 (89%)	21 (10%)	1 (0%)	29 61
52	S6	224/236 (95%)	207 (92%)	17 (8%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
52	s6	216/236 (92%)	198 (92%)	16 (7%)	2 (1%)	17 49
53	S7	182/186 (98%)	156 (86%)	22 (12%)	4 (2%)	6 29
53	s7	184/186 (99%)	159 (86%)	23 (12%)	2 (1%)	14 44
54	S8	184/200 (92%)	158 (86%)	24 (13%)	2 (1%)	14 44
54	s8	182/200 (91%)	164 (90%)	16 (9%)	2 (1%)	14 44
55	S9	183/185 (99%)	153 (84%)	28 (15%)	2 (1%)	14 44
55	s9	183/185 (99%)	158 (86%)	23 (13%)	2 (1%)	14 44
56	C0	94/105 (90%)	73 (78%)	17 (18%)	4 (4%)	2 17
56	c0	92/105 (88%)	74 (80%)	13 (14%)	5 (5%)	2 13
57	C1	153/156 (98%)	138 (90%)	14 (9%)	1 (1%)	22 55
57	c1	140/156 (90%)	124 (89%)	15 (11%)	1 (1%)	22 55
58	C2	122/143 (85%)	91 (75%)	26 (21%)	5 (4%)	3 18
58	c2	122/143 (85%)	88 (72%)	32 (26%)	2 (2%)	9 34
59	C3	148/150 (99%)	136 (92%)	12 (8%)	0	100 100
59	c3	148/150 (99%)	129 (87%)	15 (10%)	4 (3%)	5 26
60	C4	125/128 (98%)	109 (87%)	14 (11%)	2 (2%)	9 34
60	c4	126/128 (98%)	107 (85%)	18 (14%)	1 (1%)	19 51
61	C5	122/141 (86%)	104 (85%)	15 (12%)	3 (2%)	5 26
61	c5	133/141 (94%)	109 (82%)	23 (17%)	1 (1%)	19 51
62	C6	139/142 (98%)	123 (88%)	15 (11%)	1 (1%)	22 55
62	c6	140/142 (99%)	124 (89%)	14 (10%)	2 (1%)	11 37
63	C7	118/136 (87%)	100 (85%)	15 (13%)	3 (2%)	5 26
63	c7	113/136 (83%)	97 (86%)	12 (11%)	4 (4%)	3 21
64	C8	143/145 (99%)	120 (84%)	21 (15%)	2 (1%)	11 37
64	c8	143/145 (99%)	125 (87%)	15 (10%)	3 (2%)	7 30
65	C9	141/143 (99%)	127 (90%)	14 (10%)	0	100 100
65	c9	141/143 (99%)	132 (94%)	9 (6%)	0	100 100
66	D0	105/110 (96%)	96 (91%)	8 (8%)	1 (1%)	15 46
66	d0	108/110 (98%)	87 (81%)	17 (16%)	4 (4%)	3 20
67	D1	85/87 (98%)	73 (86%)	11 (13%)	1 (1%)	13 41
67	d1	85/87 (98%)	72 (85%)	12 (14%)	1 (1%)	13 41

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
68	D2	127/129 (98%)	114 (90%)	11 (9%)	2 (2%)	9 34
68	d2	127/129 (98%)	113 (89%)	13 (10%)	1 (1%)	19 51
69	D3	142/144 (99%)	119 (84%)	23 (16%)	0	100 100
69	d3	142/144 (99%)	128 (90%)	14 (10%)	0	100 100
70	D4	132/134 (98%)	121 (92%)	11 (8%)	0	100 100
70	d4	131/134 (98%)	110 (84%)	18 (14%)	3 (2%)	6 28
71	D5	68/70 (97%)	53 (78%)	12 (18%)	3 (4%)	2 16
71	d5	67/70 (96%)	61 (91%)	6 (9%)	0	100 100
72	D6	95/97 (98%)	75 (79%)	17 (18%)	3 (3%)	4 22
72	d6	95/97 (98%)	77 (81%)	17 (18%)	1 (1%)	14 44
73	D7	79/81 (98%)	71 (90%)	8 (10%)	0	100 100
73	d7	79/81 (98%)	71 (90%)	6 (8%)	2 (2%)	5 26
74	D8	61/63 (97%)	51 (84%)	10 (16%)	0	100 100
74	d8	61/63 (97%)	51 (84%)	9 (15%)	1 (2%)	9 34
75	D9	51/53 (96%)	44 (86%)	5 (10%)	2 (4%)	3 19
75	d9	51/53 (96%)	46 (90%)	5 (10%)	0	100 100
76	E0	58/62 (94%)	46 (79%)	10 (17%)	2 (3%)	3 21
76	e0	60/62 (97%)	47 (78%)	13 (22%)	0	100 100
77	E1	69/72 (96%)	53 (77%)	15 (22%)	1 (1%)	11 37
77	e1	70/72 (97%)	44 (63%)	22 (31%)	4 (6%)	1 12
78	SR	316/318 (99%)	283 (90%)	33 (10%)	0	100 100
78	sR	316/318 (99%)	293 (93%)	21 (7%)	2 (1%)	25 57
79	SM	155/272 (57%)	127 (82%)	26 (17%)	2 (1%)	12 39
79	sM	123/272 (45%)	105 (85%)	15 (12%)	3 (2%)	6 28
81	n4	133/135 (98%)	116 (87%)	14 (10%)	3 (2%)	6 28
82	p0	139/312 (45%)	124 (89%)	13 (9%)	2 (1%)	11 37
All	All	22342/23454 (95%)	19892 (89%)	2273 (10%)	177 (1%)	19 51

5 of 177 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
6	L4	339	LEU
8	L6	98	VAL

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Mol	Chain	Res	Type
25	N4	63	ILE
51	S5	64	VAL
56	C0	88	PRO

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
4	L2	193/194 (100%)	172 (89%)	21 (11%)	6 23
4	l2	192/194 (99%)	175 (91%)	17 (9%)	9 33
5	L3	322/322 (100%)	273 (85%)	49 (15%)	3 11
5	l3	322/322 (100%)	277 (86%)	45 (14%)	3 13
6	L4	288/288 (100%)	254 (88%)	34 (12%)	5 19
6	l4	288/288 (100%)	253 (88%)	35 (12%)	5 18
7	L5	244/244 (100%)	219 (90%)	25 (10%)	7 26
7	l5	243/244 (100%)	207 (85%)	36 (15%)	3 12
8	L6	134/153 (88%)	115 (86%)	19 (14%)	3 13
8	l6	135/153 (88%)	112 (83%)	23 (17%)	2 8
9	L7	186/187 (100%)	168 (90%)	18 (10%)	8 28
9	l7	187/187 (100%)	168 (90%)	19 (10%)	7 26
10	L8	191/191 (100%)	171 (90%)	20 (10%)	7 25
10	l8	177/191 (93%)	159 (90%)	18 (10%)	7 26
11	L9	171/171 (100%)	143 (84%)	28 (16%)	2 9
11	l9	171/171 (100%)	153 (90%)	18 (10%)	7 25
12	M0	176/187 (94%)	151 (86%)	25 (14%)	3 13
12	m0	180/187 (96%)	143 (79%)	37 (21%)	1 3
13	M1	147/147 (100%)	127 (86%)	20 (14%)	3 14
13	m1	147/147 (100%)	125 (85%)	22 (15%)	3 12
14	M3	154/154 (100%)	127 (82%)	27 (18%)	2 7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
14	m3	154/154 (100%)	137 (89%)	17 (11%)	6 23
15	M4	107/108 (99%)	96 (90%)	11 (10%)	7 26
15	m4	108/108 (100%)	96 (89%)	12 (11%)	6 22
16	M5	175/175 (100%)	151 (86%)	24 (14%)	3 14
16	m5	175/175 (100%)	151 (86%)	24 (14%)	3 14
17	M6	160/160 (100%)	144 (90%)	16 (10%)	7 27
17	m6	160/160 (100%)	141 (88%)	19 (12%)	5 19
18	M7	138/146 (94%)	110 (80%)	28 (20%)	1 3
18	m7	125/146 (86%)	104 (83%)	21 (17%)	2 8
19	M8	150/150 (100%)	134 (89%)	16 (11%)	6 24
19	m8	150/150 (100%)	128 (85%)	22 (15%)	3 12
20	M9	148/153 (97%)	133 (90%)	15 (10%)	7 27
20	m9	153/153 (100%)	138 (90%)	15 (10%)	8 28
21	N0	156/156 (100%)	127 (81%)	29 (19%)	1 5
21	n0	156/156 (100%)	136 (87%)	20 (13%)	4 16
22	N1	136/136 (100%)	118 (87%)	18 (13%)	4 15
22	n1	136/136 (100%)	113 (83%)	23 (17%)	2 8
23	N2	87/87 (100%)	80 (92%)	7 (8%)	12 38
23	n2	85/87 (98%)	76 (89%)	9 (11%)	6 24
24	N3	104/104 (100%)	96 (92%)	8 (8%)	13 40
24	n3	104/104 (100%)	95 (91%)	9 (9%)	10 34
25	N4	57/129 (44%)	53 (93%)	4 (7%)	15 44
26	N5	104/105 (99%)	94 (90%)	10 (10%)	8 29
26	n5	104/105 (99%)	94 (90%)	10 (10%)	8 29
27	N6	109/109 (100%)	95 (87%)	14 (13%)	4 16
27	n6	109/109 (100%)	92 (84%)	17 (16%)	2 11
28	N7	115/115 (100%)	101 (88%)	14 (12%)	5 18
28	n7	115/115 (100%)	103 (90%)	12 (10%)	7 25
29	N8	118/118 (100%)	101 (86%)	17 (14%)	3 13
29	n8	118/118 (100%)	100 (85%)	18 (15%)	2 11
30	N9	46/46 (100%)	41 (89%)	5 (11%)	6 23

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
30	n9	46/46 (100%)	39 (85%)	7 (15%)	3 11
31	O0	81/84 (96%)	75 (93%)	6 (7%)	13 42
31	o0	84/84 (100%)	71 (84%)	13 (16%)	2 11
32	O1	96/96 (100%)	82 (85%)	14 (15%)	3 12
32	o1	96/96 (100%)	80 (83%)	16 (17%)	2 8
33	O2	109/109 (100%)	97 (89%)	12 (11%)	6 23
33	o2	109/109 (100%)	93 (85%)	16 (15%)	3 12
34	O3	90/90 (100%)	84 (93%)	6 (7%)	16 46
34	o3	90/90 (100%)	81 (90%)	9 (10%)	7 27
35	O4	95/95 (100%)	84 (88%)	11 (12%)	5 20
35	o4	95/95 (100%)	88 (93%)	7 (7%)	13 42
36	O5	104/104 (100%)	88 (85%)	16 (15%)	2 11
36	o5	104/104 (100%)	91 (88%)	13 (12%)	4 17
37	O6	81/81 (100%)	71 (88%)	10 (12%)	4 17
37	o6	81/81 (100%)	70 (86%)	11 (14%)	3 14
38	O7	70/70 (100%)	62 (89%)	8 (11%)	5 21
38	o7	70/70 (100%)	58 (83%)	12 (17%)	2 8
39	O8	68/68 (100%)	58 (85%)	10 (15%)	3 12
39	o8	68/68 (100%)	60 (88%)	8 (12%)	5 19
40	O9	45/45 (100%)	39 (87%)	6 (13%)	4 15
40	o9	45/45 (100%)	38 (84%)	7 (16%)	2 11
41	Q0	47/47 (100%)	42 (89%)	5 (11%)	6 24
41	q0	47/47 (100%)	39 (83%)	8 (17%)	2 8
42	Q1	23/23 (100%)	19 (83%)	4 (17%)	2 7
42	q1	23/23 (100%)	20 (87%)	3 (13%)	4 16
43	Q2	90/90 (100%)	81 (90%)	9 (10%)	7 27
43	q2	90/90 (100%)	72 (80%)	18 (20%)	1 3
44	Q3	71/71 (100%)	65 (92%)	6 (8%)	10 35
44	q3	71/71 (100%)	65 (92%)	6 (8%)	10 35
46	S0	173/173 (100%)	153 (88%)	20 (12%)	5 20
46	s0	173/173 (100%)	154 (89%)	19 (11%)	6 23

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
47	S1	191/192 (100%)	161 (84%)	30 (16%)	2 10
47	s1	192/192 (100%)	174 (91%)	18 (9%)	8 30
48	S2	176/176 (100%)	163 (93%)	13 (7%)	13 42
48	s2	176/176 (100%)	154 (88%)	22 (12%)	4 17
49	S3	182/182 (100%)	162 (89%)	20 (11%)	6 23
49	s3	181/182 (100%)	149 (82%)	32 (18%)	2 6
50	S4	221/221 (100%)	195 (88%)	26 (12%)	5 19
50	s4	221/221 (100%)	195 (88%)	26 (12%)	5 19
51	S5	173/173 (100%)	158 (91%)	15 (9%)	10 34
51	s5	173/173 (100%)	150 (87%)	23 (13%)	4 15
52	S6	191/201 (95%)	167 (87%)	24 (13%)	4 17
52	s6	187/201 (93%)	160 (86%)	27 (14%)	3 13
53	S7	165/166 (99%)	151 (92%)	14 (8%)	10 35
53	s7	165/166 (99%)	152 (92%)	13 (8%)	12 39
54	S8	150/161 (93%)	132 (88%)	18 (12%)	5 19
54	s8	148/161 (92%)	137 (93%)	11 (7%)	13 42
55	S9	158/158 (100%)	140 (89%)	18 (11%)	5 21
55	s9	158/158 (100%)	143 (90%)	15 (10%)	8 29
56	C0	77/98 (79%)	66 (86%)	11 (14%)	3 13
56	c0	73/98 (74%)	65 (89%)	8 (11%)	6 23
57	C1	129/137 (94%)	119 (92%)	10 (8%)	12 39
57	c1	125/137 (91%)	108 (86%)	17 (14%)	3 14
58	C2	88/119 (74%)	80 (91%)	8 (9%)	9 32
58	c2	88/119 (74%)	76 (86%)	12 (14%)	3 14
59	C3	127/127 (100%)	117 (92%)	10 (8%)	12 39
59	c3	127/127 (100%)	110 (87%)	17 (13%)	4 15
60	C4	81/97 (84%)	70 (86%)	11 (14%)	3 14
60	c4	97/97 (100%)	84 (87%)	13 (13%)	4 15
61	C5	101/117 (86%)	91 (90%)	10 (10%)	8 27
61	c5	103/117 (88%)	93 (90%)	10 (10%)	8 28
62	C6	117/118 (99%)	101 (86%)	16 (14%)	3 14

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
62	c6	118/118 (100%)	103 (87%)	15 (13%)	4 16
63	C7	109/124 (88%)	91 (84%)	18 (16%)	2 9
63	c7	97/124 (78%)	87 (90%)	10 (10%)	7 26
64	C8	128/128 (100%)	114 (89%)	14 (11%)	6 23
64	c8	128/128 (100%)	108 (84%)	20 (16%)	2 11
65	C9	115/115 (100%)	102 (89%)	13 (11%)	6 21
65	c9	115/115 (100%)	100 (87%)	15 (13%)	4 16
66	D0	100/103 (97%)	89 (89%)	11 (11%)	6 23
66	d0	103/103 (100%)	89 (86%)	14 (14%)	3 14
67	D1	74/74 (100%)	65 (88%)	9 (12%)	5 18
67	d1	74/74 (100%)	65 (88%)	9 (12%)	5 18
68	D2	110/110 (100%)	97 (88%)	13 (12%)	5 19
68	d2	110/110 (100%)	97 (88%)	13 (12%)	5 19
69	D3	119/119 (100%)	107 (90%)	12 (10%)	7 27
69	d3	119/119 (100%)	109 (92%)	10 (8%)	11 36
70	D4	112/112 (100%)	99 (88%)	13 (12%)	5 20
70	d4	111/112 (99%)	100 (90%)	11 (10%)	8 27
71	D5	61/61 (100%)	51 (84%)	10 (16%)	2 9
71	d5	61/61 (100%)	57 (93%)	4 (7%)	16 46
72	D6	83/83 (100%)	71 (86%)	12 (14%)	3 12
72	d6	83/83 (100%)	72 (87%)	11 (13%)	4 15
73	D7	70/70 (100%)	62 (89%)	8 (11%)	5 21
73	d7	70/70 (100%)	65 (93%)	5 (7%)	14 44
74	D8	56/56 (100%)	50 (89%)	6 (11%)	6 24
74	d8	56/56 (100%)	41 (73%)	15 (27%)	0 1
75	D9	47/47 (100%)	39 (83%)	8 (17%)	2 8
75	d9	47/47 (100%)	36 (77%)	11 (23%)	1 2
76	E0	51/53 (96%)	46 (90%)	5 (10%)	8 28
76	e0	53/53 (100%)	44 (83%)	9 (17%)	2 8
77	E1	62/63 (98%)	56 (90%)	6 (10%)	8 28
77	e1	63/63 (100%)	51 (81%)	12 (19%)	1 4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
78	SR	260/260 (100%)	239 (92%)	21 (8%)	11 38
78	sR	260/260 (100%)	241 (93%)	19 (7%)	14 43
79	SM	97/227 (43%)	81 (84%)	16 (16%)	2 9
79	sM	88/227 (39%)	77 (88%)	11 (12%)	4 17
81	n4	101/114 (89%)	92 (91%)	9 (9%)	9 33
82	p0	105/254 (41%)	90 (86%)	15 (14%)	3 13
All	All	18802/19697 (96%)	16495 (88%)	2307 (12%)	4 17

5 of 2307 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
48	s2	90	THR
78	sR	258	THR
50	s4	66	MET
48	s2	73	LEU
60	c4	132	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 58 such sidechains are listed below:

Mol	Chain	Res	Type
75	D9	5	ASN
73	d7	51	GLN
12	m0	23	ASN
70	d4	22	GLN
57	c1	138	ASN

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1	3095/3396 (91%)	696 (22%)	86 (2%)
1	5	3129/3396 (92%)	752 (24%)	83 (2%)
2	3	120/121 (99%)	22 (18%)	1 (0%)
2	7	120/121 (99%)	24 (20%)	1 (0%)
3	4	154/158 (97%)	36 (23%)	2 (1%)
3	8	157/158 (99%)	43 (27%)	1 (0%)
45	2	1708/1800 (94%)	481 (28%)	59 (3%)
45	6	1733/1800 (96%)	485 (27%)	62 (3%)
All	All	10216/10950 (93%)	2539 (24%)	295 (2%)

5 of 2539 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1	13	A
1	1	14	U
1	1	16	A
1	1	26	A
1	1	30	G

5 of 295 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
2	7	76	A
45	6	1491	U
45	6	103	A
45	6	542	A
45	2	139	C

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)

Of 2153 ligands modelled in this entry, 2084 are monoatomic - leaving 69 for Mogul analysis.

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	$\#\|Z\| > 2$
85	LLL	7	233	-	29,33,33	0.22	0	34,49,49	0.93	2 (5%)
85	LLL	5	4165	-	29,33,33	0.16	0	34,49,49	1.04	2 (5%)
85	LLL	1	3994	-	29,33,33	0.20	0	34,49,49	1.14	3 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
85	LLL	1	3990	-	29,33,33	0.25	0	34,49,49	1.82	1 (2%)
85	LLL	2	2043	-	29,33,33	0.17	0	34,49,49	0.79	3 (8%)
85	LLL	5	4166	-	29,33,33	0.15	0	34,49,49	1.16	2 (5%)
85	LLL	5	4164	-	29,33,33	0.21	0	34,49,49	1.93	3 (8%)
85	LLL	7	232	-	29,33,33	0.17	0	34,49,49	0.90	2 (5%)
85	LLL	8	222	-	29,33,33	0.16	0	34,49,49	0.79	1 (2%)
85	LLL	5	4174	-	29,33,33	0.24	0	34,49,49	1.58	4 (11%)
85	LLL	5	4170	-	29,33,33	0.24	0	34,49,49	1.52	2 (5%)
85	LLL	1	3996	-	29,33,33	0.21	0	34,49,49	0.89	2 (5%)
85	LLL	1	3995	-	29,33,33	0.16	0	34,49,49	2.08	2 (5%)
85	LLL	5	4153	-	29,33,33	0.25	0	34,49,49	1.79	2 (5%)
85	LLL	6	2175	-	29,33,33	0.19	0	34,49,49	1.37	2 (5%)
85	LLL	5	4175	-	29,33,33	0.23	0	34,49,49	1.44	3 (8%)
85	LLL	2	2045	-	29,33,33	0.19	0	34,49,49	1.53	4 (11%)
85	LLL	1	4004	-	29,33,33	0.19	0	34,49,49	1.08	1 (2%)
85	LLL	1	3989	-	29,33,33	0.21	0	34,49,49	1.43	3 (8%)
85	LLL	5	4152	-	29,33,33	0.18	0	34,49,49	1.48	2 (5%)
85	LLL	5	4157	-	29,33,33	0.25	0	34,49,49	1.13	2 (5%)
85	LLL	2	2044	-	29,33,33	0.20	0	34,49,49	1.50	4 (11%)
85	LLL	5	4159	-	29,33,33	0.21	0	34,49,49	1.06	3 (8%)
85	LLL	5	4171	-	29,33,33	0.19	0	34,49,49	0.97	1 (2%)
85	LLL	5	4173	-	29,33,33	0.17	0	34,49,49	1.12	3 (8%)
85	LLL	6	2167	-	29,33,33	0.21	0	34,49,49	1.96	5 (14%)
85	LLL	L3	404	-	29,33,33	0.22	0	34,49,49	1.33	3 (8%)
85	LLL	6	2169	-	29,33,33	0.14	0	34,49,49	0.89	2 (5%)
85	LLL	6	2174	-	29,33,33	0.27	0	34,49,49	1.27	3 (8%)
85	LLL	1	3991	-	29,33,33	0.20	0	34,49,49	0.82	3 (8%)
85	LLL	5	4161	-	29,33,33	0.19	0	34,49,49	1.25	3 (8%)
85	LLL	1	3992	-	29,33,33	0.21	0	34,49,49	1.23	2 (5%)
85	LLL	5	4156	-	29,33,33	0.22	0	34,49,49	1.29	3 (8%)
85	LLL	1	3993	-	29,33,33	0.24	0	34,49,49	1.47	5 (14%)
85	LLL	l3	412	-	29,33,33	0.25	0	34,49,49	1.88	3 (8%)
85	LLL	6	2173	-	29,33,33	0.19	0	34,49,49	1.11	3 (8%)
85	LLL	5	4169	-	29,33,33	0.20	0	34,49,49	1.46	4 (11%)
85	LLL	5	4168	-	29,33,33	0.20	0	34,49,49	1.67	3 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
85	LLL	1	4000	-	29,33,33	0.18	0	34,49,49	2.11	5 (14%)
85	LLL	5	4163	-	29,33,33	0.15	0	34,49,49	1.06	3 (8%)
85	LLL	6	2168	-	29,33,33	0.21	0	34,49,49	1.28	3 (8%)
85	LLL	6	2176	-	29,33,33	0.22	0	34,49,49	1.29	3 (8%)
85	LLL	1	3997	-	29,33,33	0.19	0	34,49,49	1.22	3 (8%)
85	LLL	1	3999	-	29,33,33	0.17	0	34,49,49	0.97	2 (5%)
85	LLL	5	4151	-	29,33,33	0.32	0	34,49,49	1.46	2 (5%)
85	LLL	5	4154	-	29,33,33	0.25	0	34,49,49	0.68	0
85	LLL	1	4001	-	29,33,33	0.17	0	34,49,49	1.08	2 (5%)
85	LLL	6	2171	-	29,33,33	0.14	0	34,49,49	1.14	1 (2%)
85	LLL	6	2170	-	29,33,33	0.23	0	34,49,49	1.25	2 (5%)
85	LLL	5	4167	-	29,33,33	0.15	0	34,49,49	1.00	2 (5%)
85	LLL	7	231	-	29,33,33	0.17	0	34,49,49	2.01	7 (20%)
85	LLL	1	4003	-	29,33,33	0.18	0	34,49,49	1.37	3 (8%)
85	LLL	5	4160	-	29,33,33	0.24	0	34,49,49	1.86	3 (8%)
85	LLL	6	2166	-	29,33,33	0.20	0	34,49,49	1.11	3 (8%)
85	LLL	6	2165	-	29,33,33	0.21	0	34,49,49	1.14	2 (5%)
85	LLL	4	224	-	29,33,33	0.20	0	34,49,49	1.46	2 (5%)
85	LLL	5	4176	-	29,33,33	0.22	0	34,49,49	1.26	3 (8%)
85	LLL	5	4178	-	29,33,33	0.20	0	34,49,49	0.86	1 (2%)
85	LLL	3	220	-	29,33,33	0.21	0	34,49,49	1.50	3 (8%)
85	LLL	5	4158	-	29,33,33	0.21	0	34,49,49	1.99	5 (14%)
85	LLL	5	4162	-	29,33,33	0.18	0	34,49,49	0.86	1 (2%)
85	LLL	6	2164	-	29,33,33	0.18	0	34,49,49	1.82	2 (5%)
85	LLL	1	3998	-	29,33,33	0.15	0	34,49,49	0.76	1 (2%)
85	LLL	1	4002	-	29,33,33	0.20	0	34,49,49	2.11	3 (8%)
85	LLL	5	4172	-	29,33,33	0.22	0	34,49,49	1.36	3 (8%)
85	LLL	6	2172	-	29,33,33	0.19	0	34,49,49	1.12	2 (5%)
85	LLL	5	4177	-	29,33,33	0.26	0	34,49,49	1.79	6 (17%)
85	LLL	8	221	-	29,33,33	0.21	0	34,49,49	1.73	2 (5%)
85	LLL	5	4155	-	29,33,33	0.24	0	34,49,49	1.00	1 (2%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
85	LLL	7	233	-	-	3/11/65/65	2/3/3/3
85	LLL	5	4165	-	-	1/11/65/65	0/3/3/3
85	LLL	1	3994	-	-	1/11/65/65	0/3/3/3
85	LLL	1	3990	-	-	2/11/65/65	0/3/3/3
85	LLL	2	2043	-	-	3/11/65/65	1/3/3/3
85	LLL	5	4166	-	-	3/11/65/65	0/3/3/3
85	LLL	5	4164	-	-	4/11/65/65	0/3/3/3
85	LLL	7	232	-	-	2/11/65/65	0/3/3/3
85	LLL	8	222	-	-	3/11/65/65	2/3/3/3
85	LLL	5	4174	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4170	-	-	1/11/65/65	1/3/3/3
85	LLL	1	3996	-	-	3/11/65/65	0/3/3/3
85	LLL	1	3995	-	-	3/11/65/65	0/3/3/3
85	LLL	5	4153	-	-	4/11/65/65	0/3/3/3
85	LLL	6	2175	-	-	4/11/65/65	1/3/3/3
85	LLL	5	4175	-	-	1/11/65/65	0/3/3/3
85	LLL	2	2045	-	-	7/11/65/65	0/3/3/3
85	LLL	1	4004	-	-	3/11/65/65	1/3/3/3
85	LLL	1	3989	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4152	-	-	5/11/65/65	0/3/3/3
85	LLL	5	4157	-	-	1/11/65/65	0/3/3/3
85	LLL	2	2044	-	-	3/11/65/65	1/3/3/3
85	LLL	5	4159	-	-	1/11/65/65	0/3/3/3
85	LLL	5	4171	-	-	4/11/65/65	0/3/3/3
85	LLL	5	4173	-	-	2/11/65/65	1/3/3/3
85	LLL	6	2167	-	-	4/11/65/65	0/3/3/3
85	LLL	L3	404	-	-	1/11/65/65	0/3/3/3
85	LLL	6	2169	-	-	1/11/65/65	0/3/3/3
85	LLL	6	2174	-	-	1/11/65/65	0/3/3/3
85	LLL	1	3991	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4161	-	-	2/11/65/65	1/3/3/3
85	LLL	1	3992	-	-	1/11/65/65	0/3/3/3
85	LLL	5	4156	-	-	4/11/65/65	0/3/3/3
85	LLL	1	3993	-	-	1/11/65/65	0/3/3/3
85	LLL	l3	412	-	-	1/11/65/65	0/3/3/3
85	LLL	6	2173	-	-	5/11/65/65	1/3/3/3
85	LLL	5	4169	-	-	1/11/65/65	0/3/3/3
85	LLL	5	4168	-	-	0/11/65/65	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
85	LLL	1	4000	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4163	-	-	6/11/65/65	2/3/3/3
85	LLL	6	2168	-	-	5/11/65/65	1/3/3/3
85	LLL	6	2176	-	-	3/11/65/65	0/3/3/3
85	LLL	1	3997	-	-	1/11/65/65	0/3/3/3
85	LLL	1	3999	-	-	4/11/65/65	0/3/3/3
85	LLL	5	4151	-	-	8/11/65/65	0/3/3/3
85	LLL	5	4154	-	-	2/11/65/65	0/3/3/3
85	LLL	1	4001	-	-	2/11/65/65	0/3/3/3
85	LLL	6	2171	-	-	1/11/65/65	0/3/3/3
85	LLL	6	2170	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4167	-	-	2/11/65/65	0/3/3/3
85	LLL	7	231	-	-	4/11/65/65	0/3/3/3
85	LLL	1	4003	-	-	4/11/65/65	2/3/3/3
85	LLL	5	4160	-	-	3/11/65/65	0/3/3/3
85	LLL	6	2166	-	-	3/11/65/65	0/3/3/3
85	LLL	6	2165	-	-	3/11/65/65	0/3/3/3
85	LLL	4	224	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4176	-	-	2/11/65/65	0/3/3/3
85	LLL	5	4178	-	-	1/11/65/65	0/3/3/3
85	LLL	3	220	-	-	3/11/65/65	0/3/3/3
85	LLL	5	4158	-	-	5/11/65/65	0/3/3/3
85	LLL	5	4162	-	-	3/11/65/65	1/3/3/3
85	LLL	6	2164	-	-	2/11/65/65	0/3/3/3
85	LLL	1	3998	-	-	2/11/65/65	0/3/3/3
85	LLL	1	4002	-	-	5/11/65/65	0/3/3/3
85	LLL	5	4172	-	-	5/11/65/65	0/3/3/3
85	LLL	6	2172	-	-	3/11/65/65	1/3/3/3
85	LLL	5	4177	-	-	4/11/65/65	0/3/3/3
85	LLL	8	221	-	-	6/11/65/65	0/3/3/3
85	LLL	5	4155	-	-	5/11/65/65	1/3/3/3

There are no bond length outliers.

The worst 5 of 182 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
85	1	4002	LLL	C11-O51-C51	11.16	125.50	113.13
85	1	3995	LLL	C11-O51-C51	11.05	125.37	113.13
85	1	4000	LLL	C11-O51-C51	10.82	125.12	113.13
85	1	3990	LLL	C11-O51-C51	9.69	123.86	113.13
85	6	2164	LLL	C11-O51-C51	9.60	123.77	113.13

There are no chirality outliers.

5 of 195 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
85	1	3990	LLL	C23-C33-N33-C93
85	1	3991	LLL	O51-C51-C61-N61
85	1	3991	LLL	C23-C33-N33-C93
85	1	3992	LLL	C23-C33-N33-C93
85	1	3993	LLL	C23-C33-N33-C93

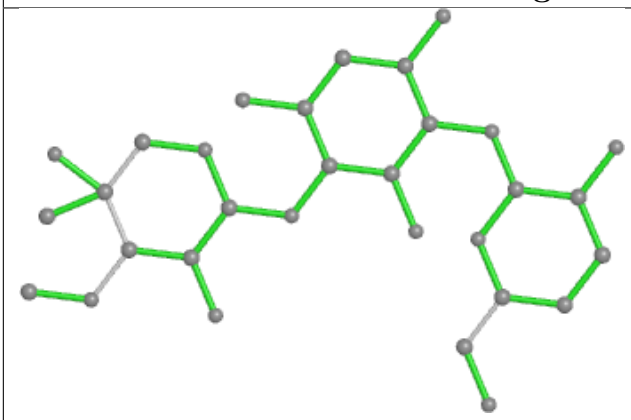
5 of 20 ring outliers are listed below:

Mol	Chain	Res	Type	Atoms
85	6	2172	LLL	C12-C22-C32-C42-C52-C62
85	5	4155	LLL	C11-C21-C31-C41-C51-O51
85	1	4004	LLL	C11-C21-C31-C41-C51-O51
85	5	4170	LLL	C11-C21-C31-C41-C51-O51
85	6	2168	LLL	C11-C21-C31-C41-C51-O51

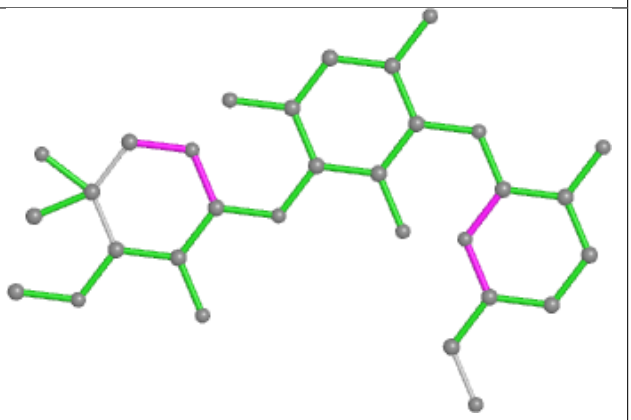
No monomer is involved in short contacts.

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 then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

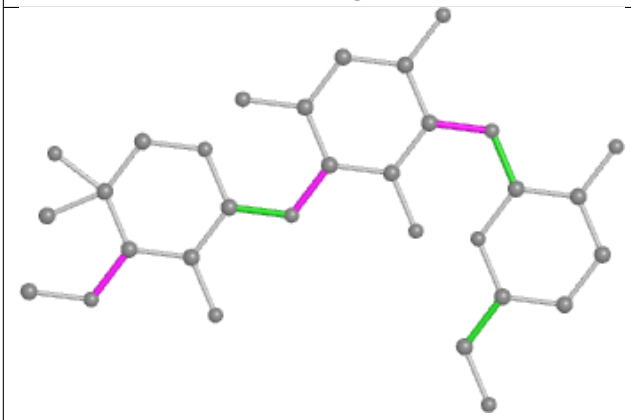
Ligand LLL 7 233



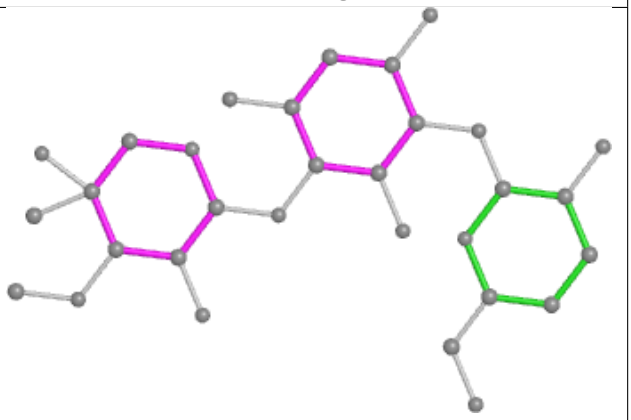
Bond lengths



Bond angles

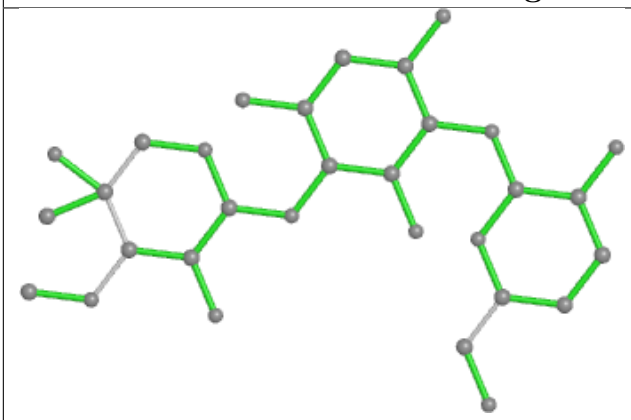


Torsions



Rings

Ligand LLL 5 4165



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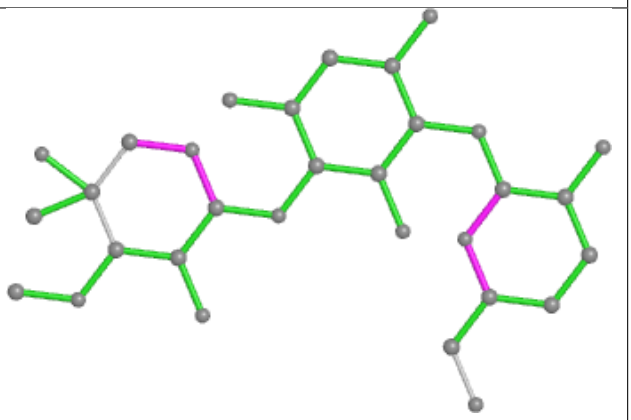
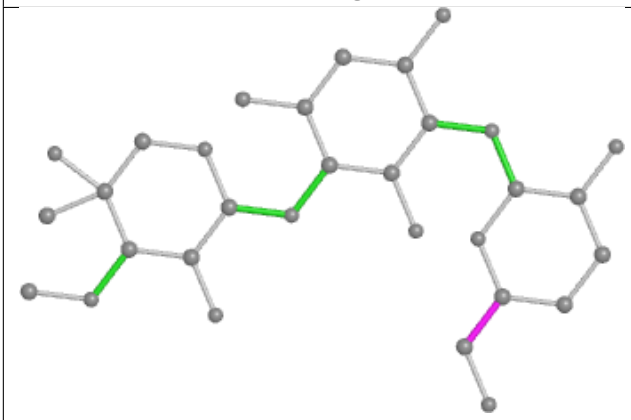


Bond angles



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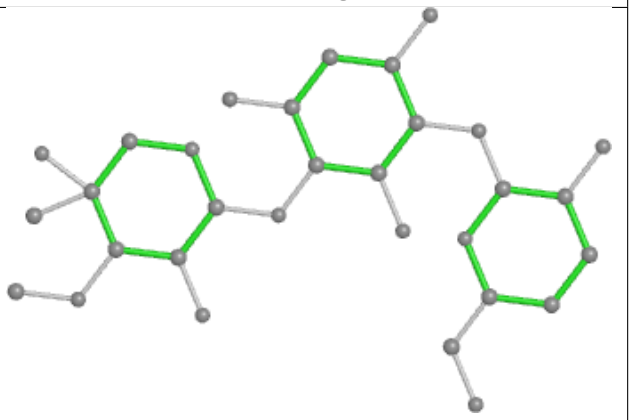
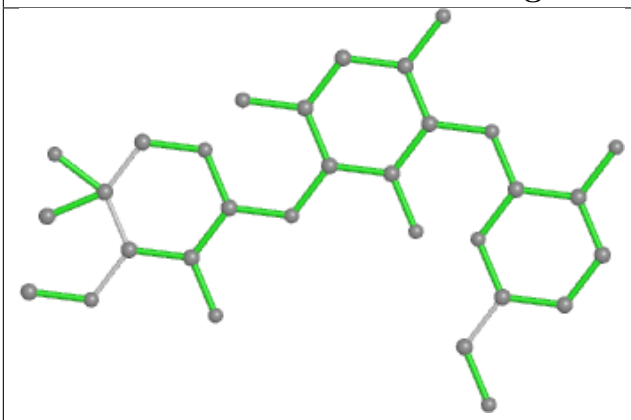
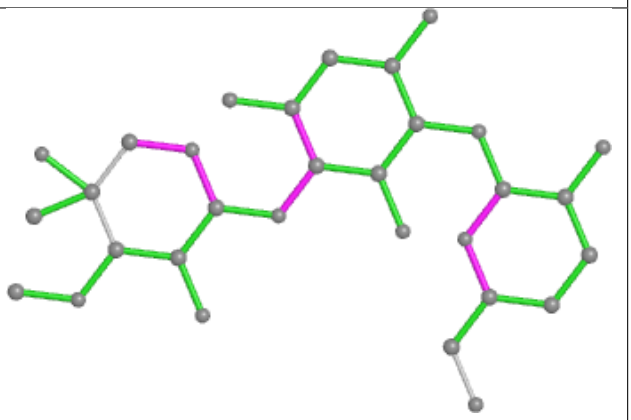


Rings

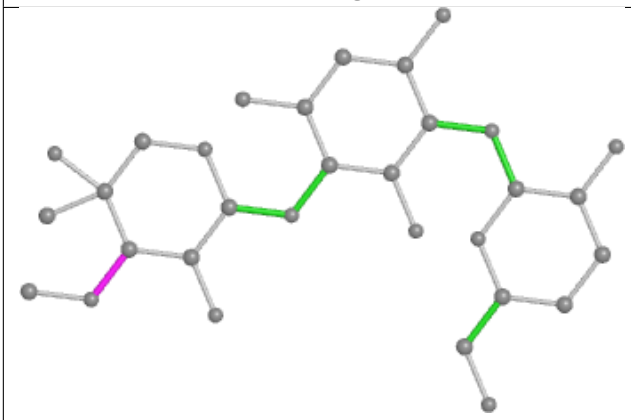
Ligand LLL 1 3994



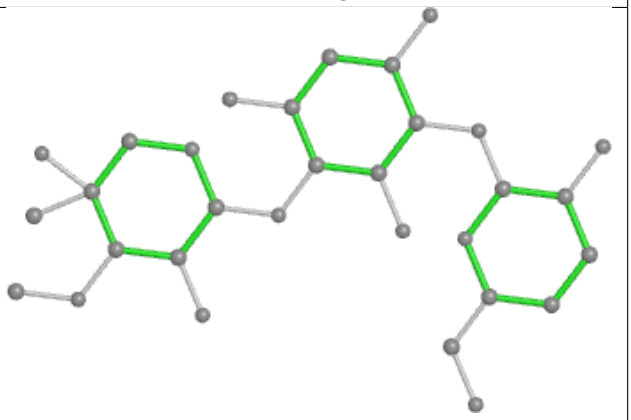
Bond lengths



Bond angles

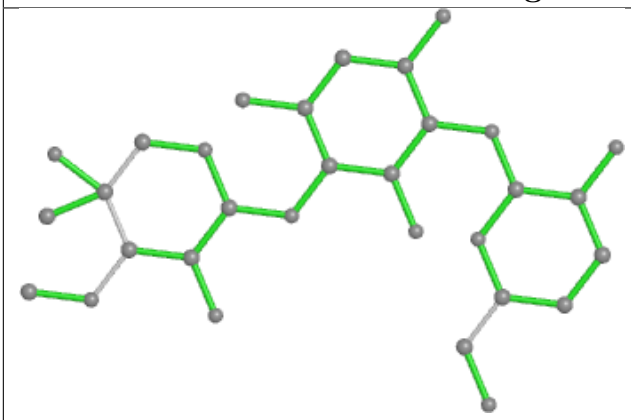


Torsions



Rings

Ligand LLL 1 3990



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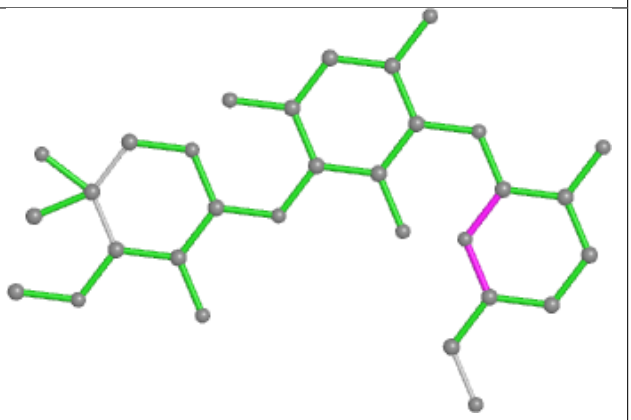
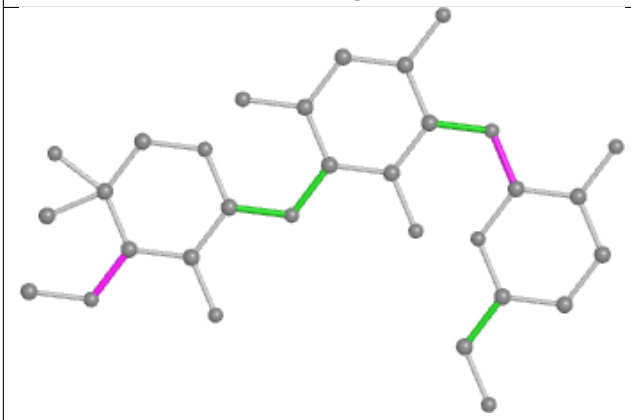
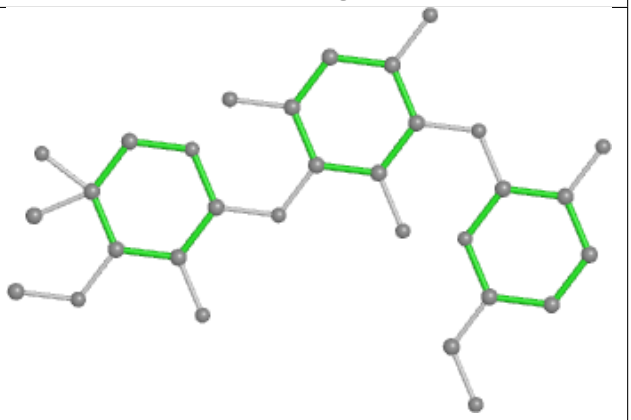


Bond angles

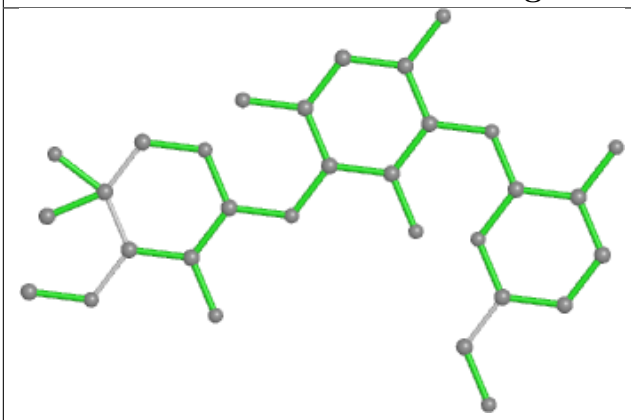


Torsions

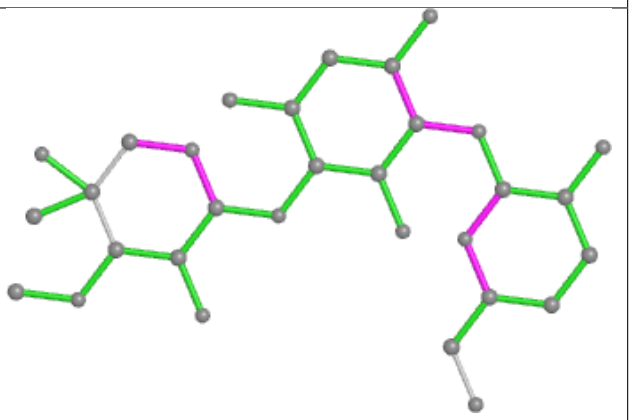


Rings

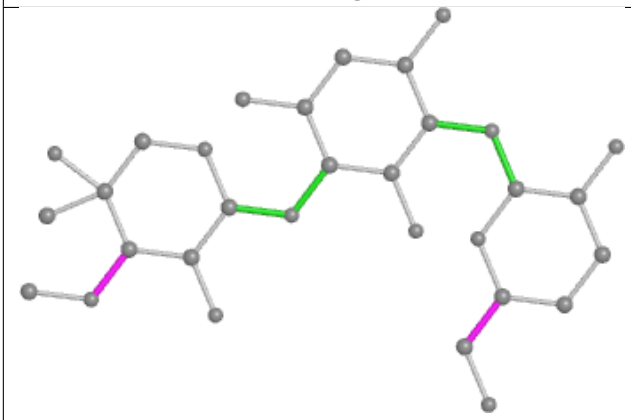
Ligand LLL 2 2043



Bond lengths



Bond angles



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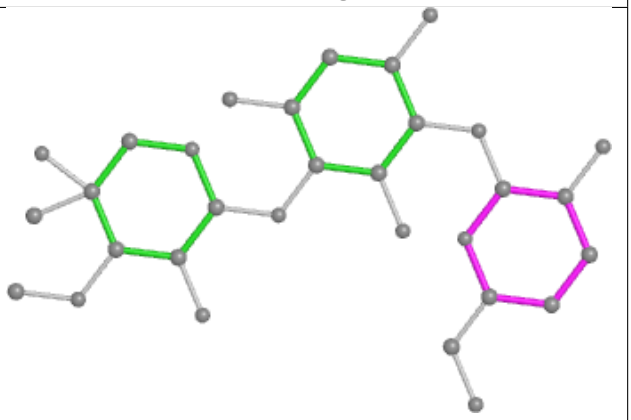
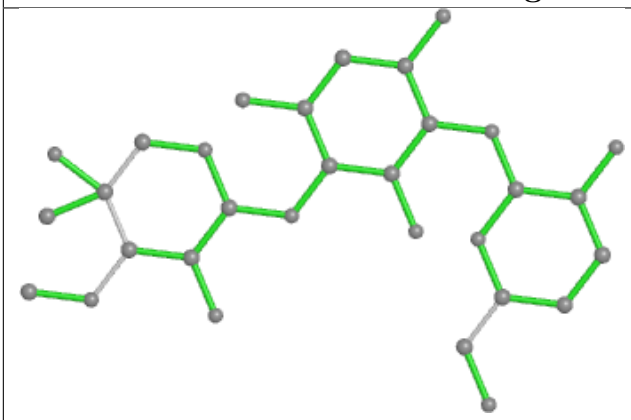


Rings

Ligand LLL 5 4166



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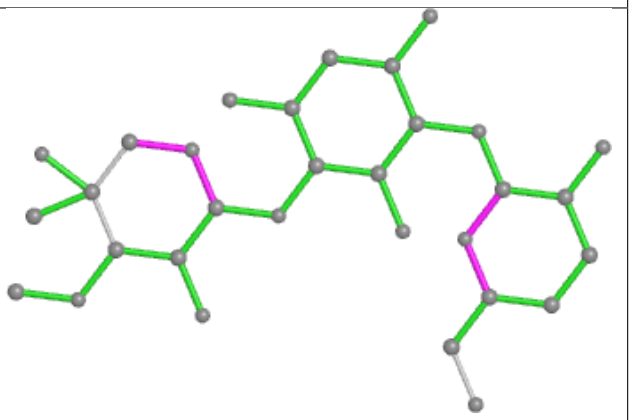

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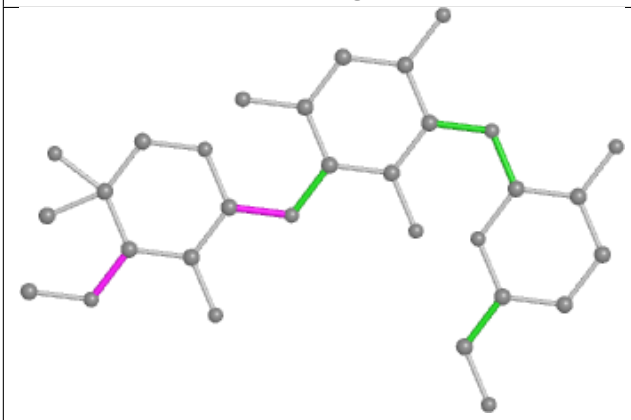

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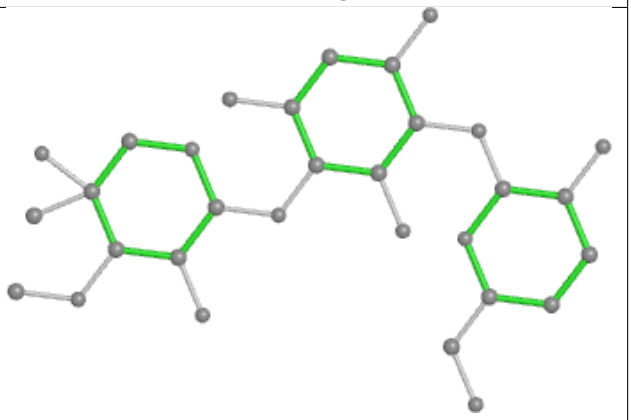
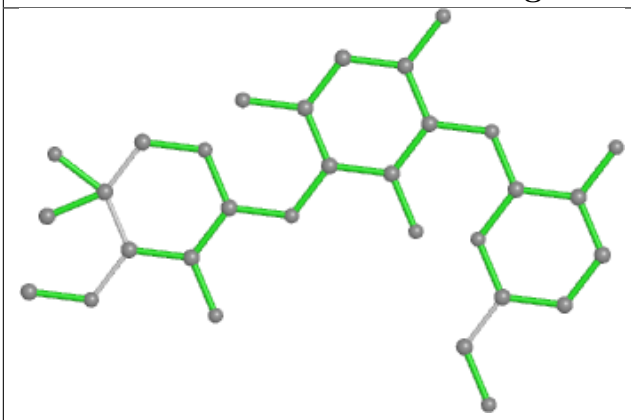


Rings

Ligand LLL 5 4164



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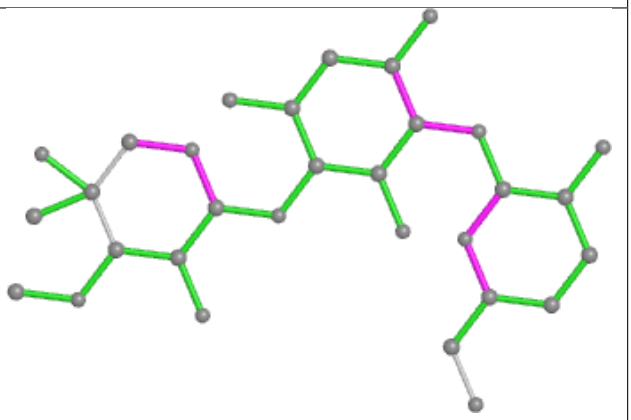

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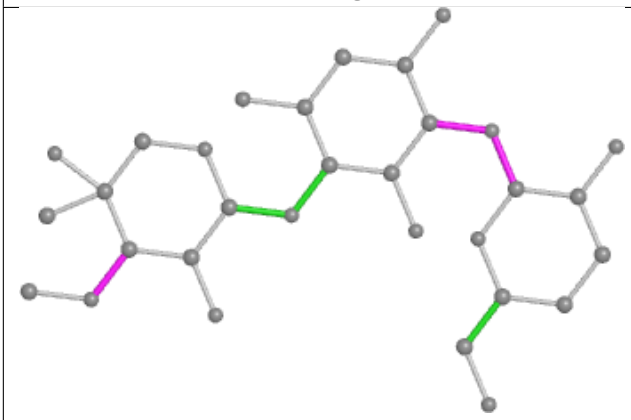

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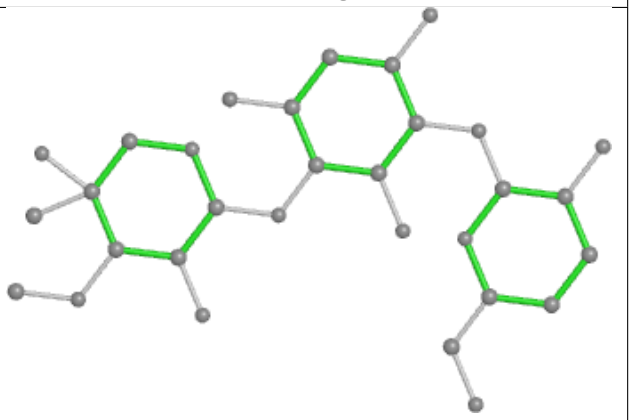
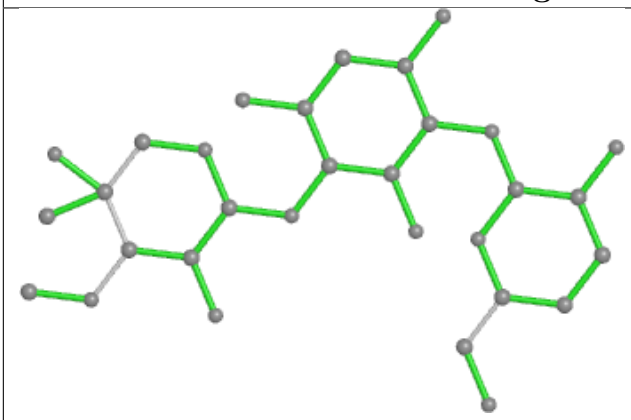


Rings

Ligand LLL 7 232



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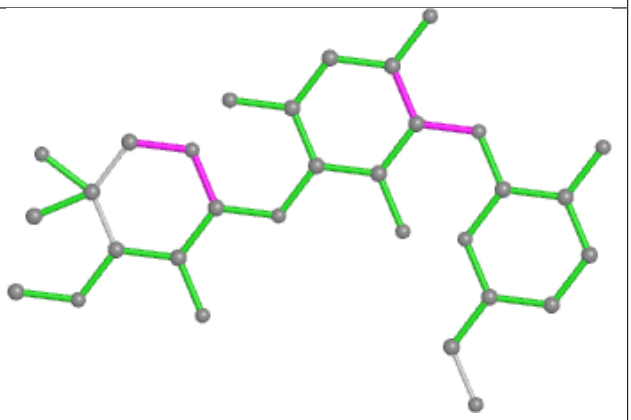

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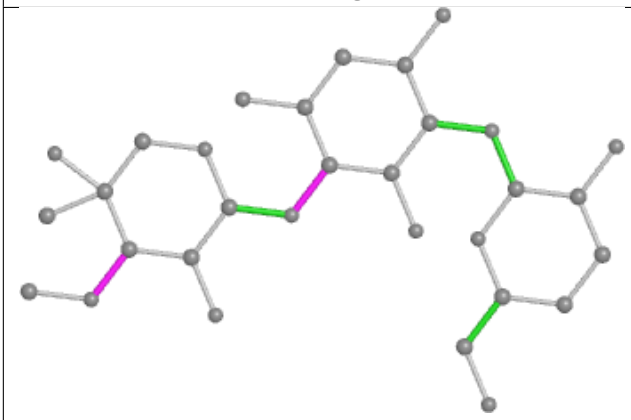

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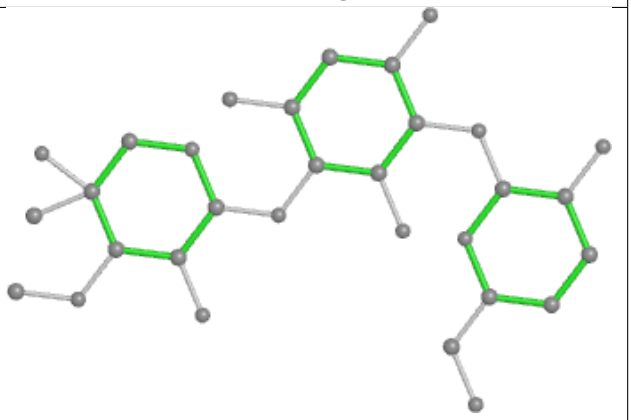
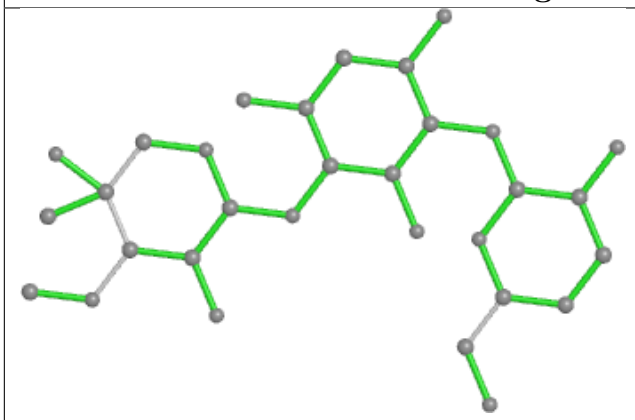


Rings

Ligand LLL 8 222



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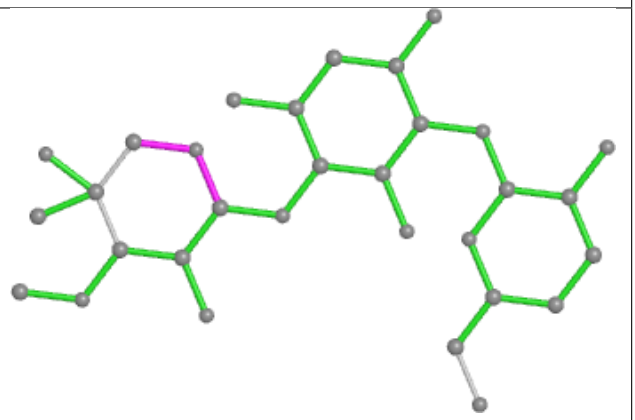
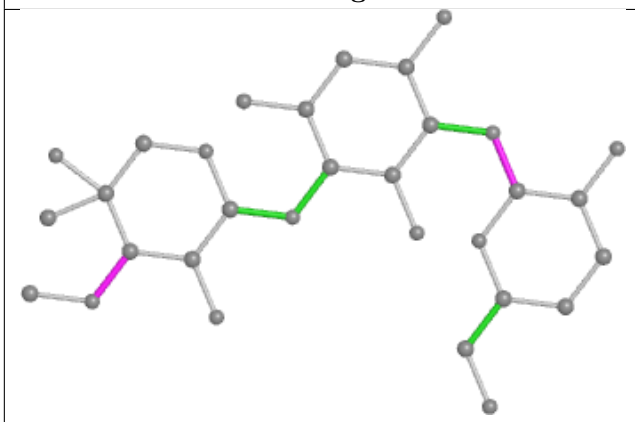


Bond angles



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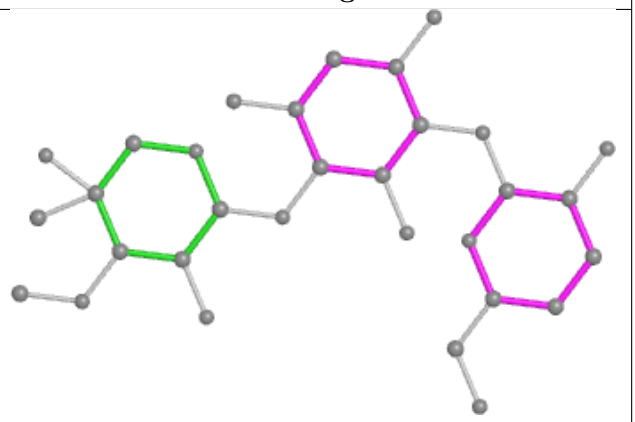
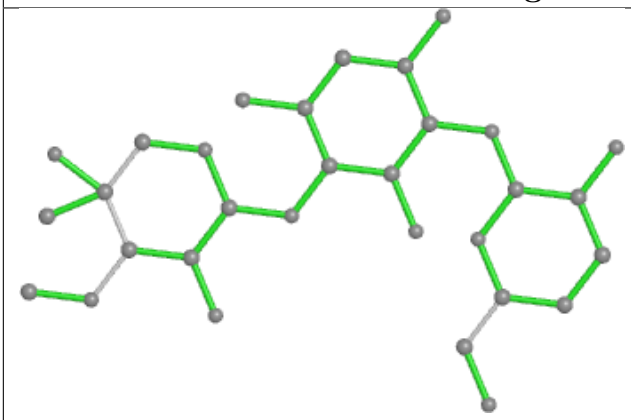


Rings

Ligand LLL 5 4174



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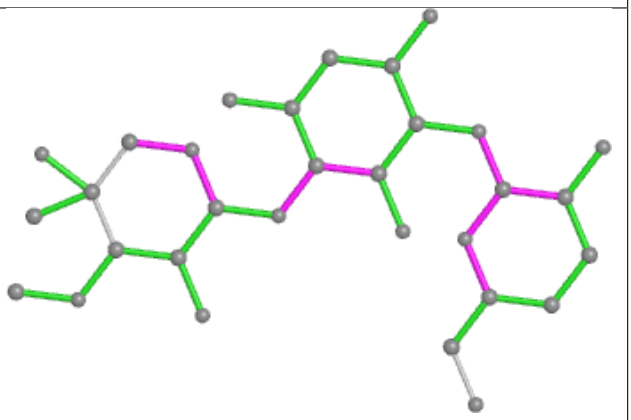
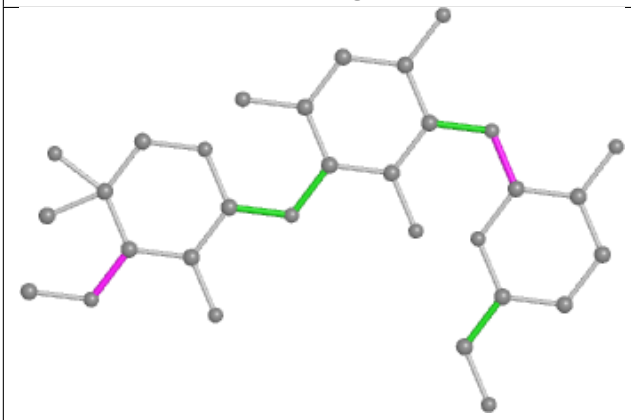


Bond angles



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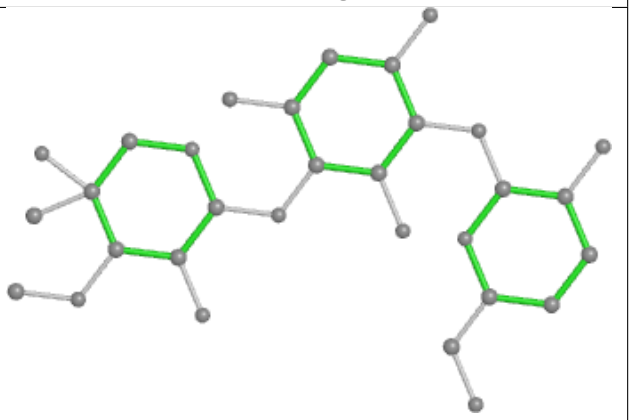
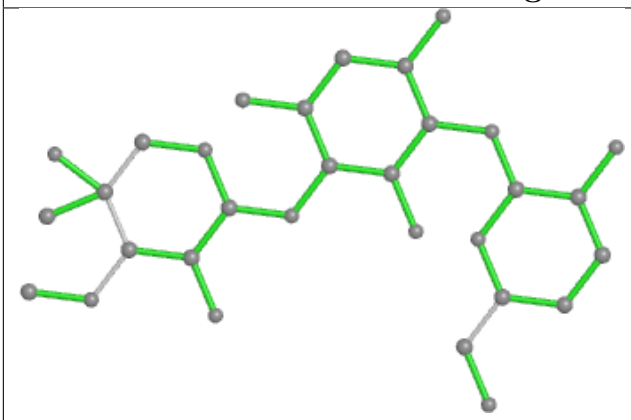


Rings

Ligand LLL 5 4170



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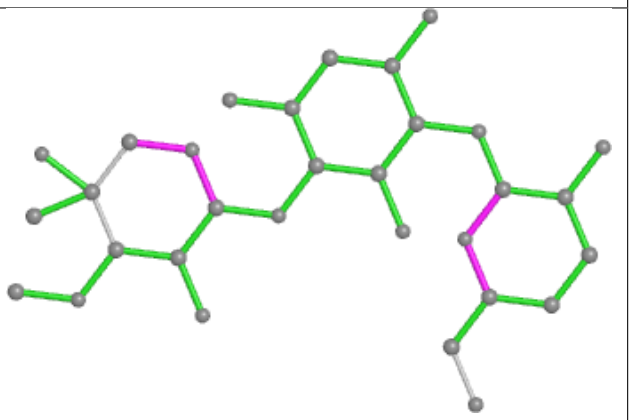

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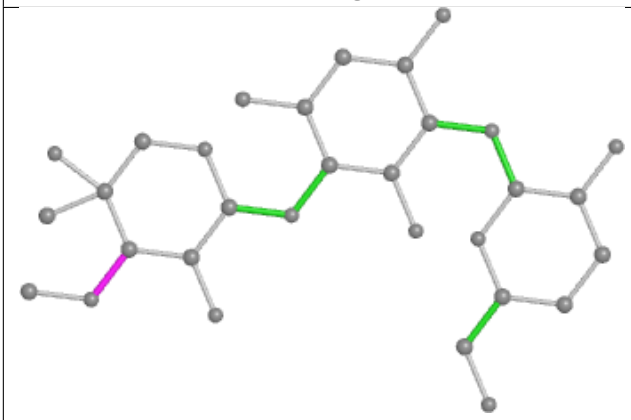

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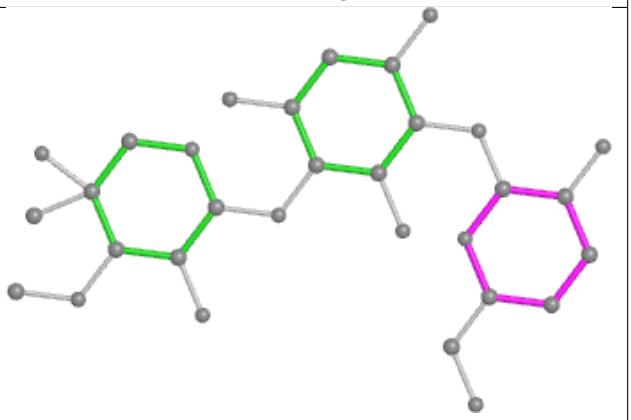
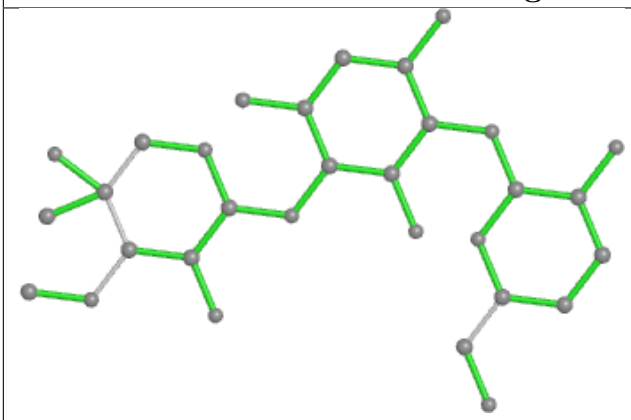


Rings

Ligand LLL 1 3996



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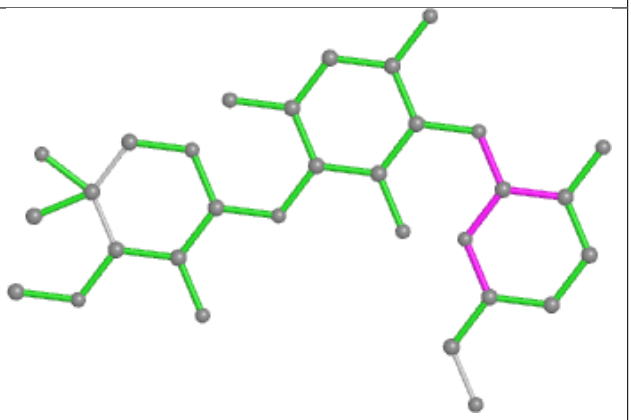
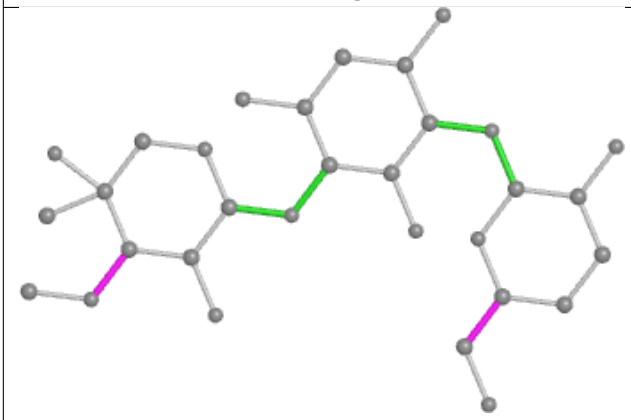


Bond angles



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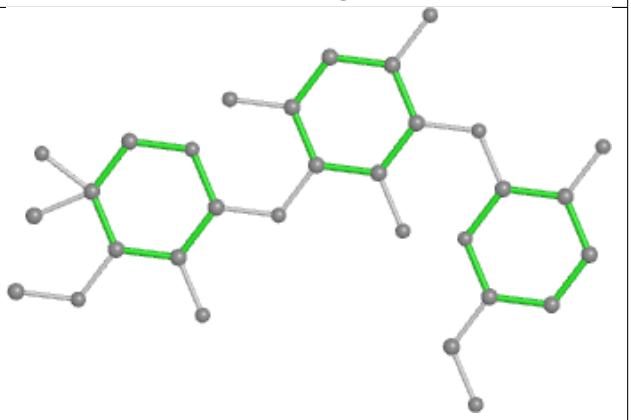
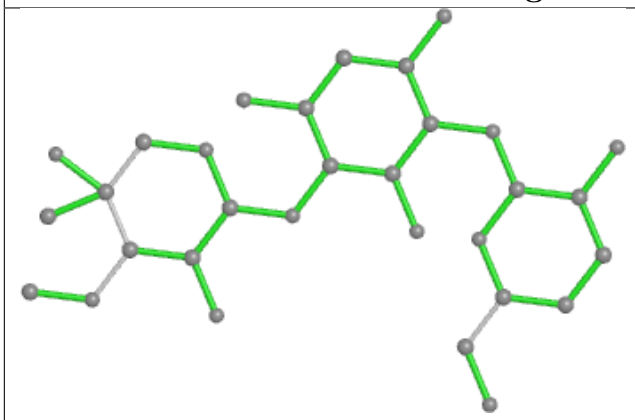


Rings

Ligand LLL 1 3995



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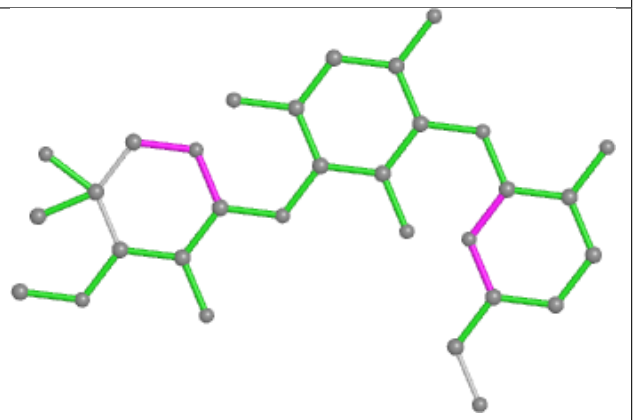

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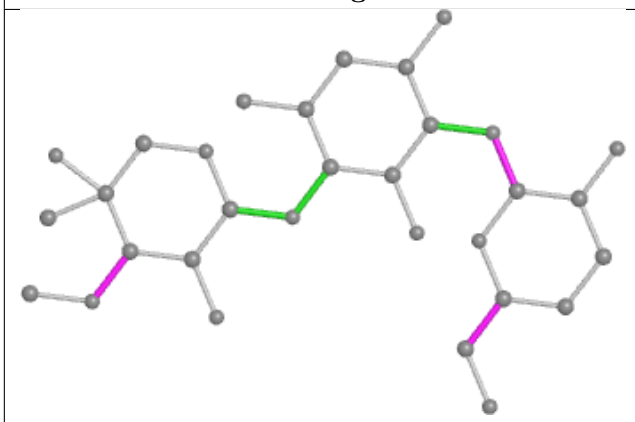

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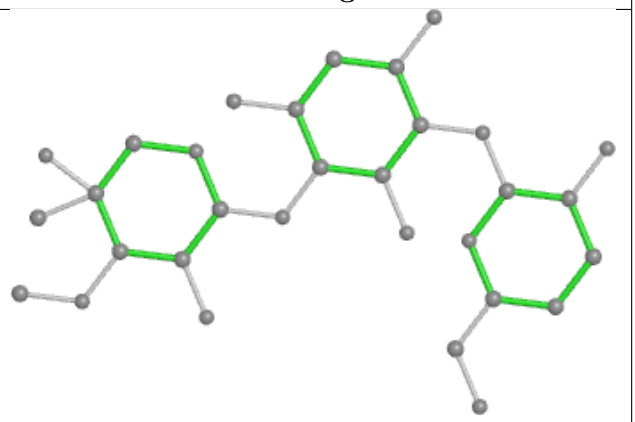
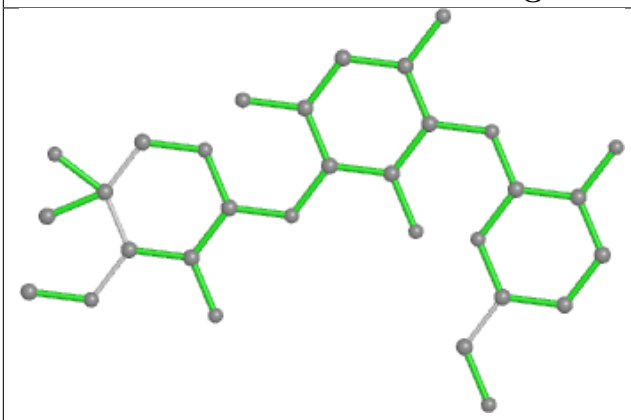
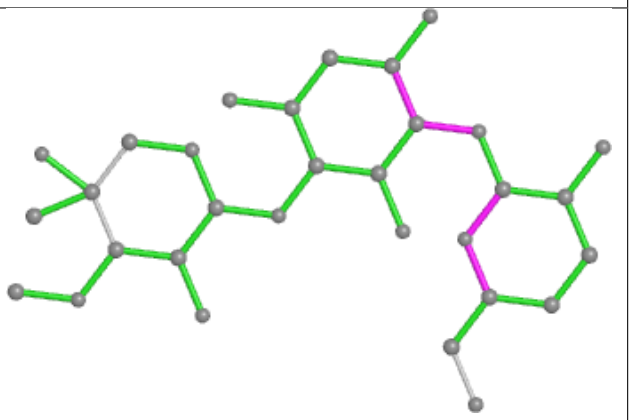


Rings

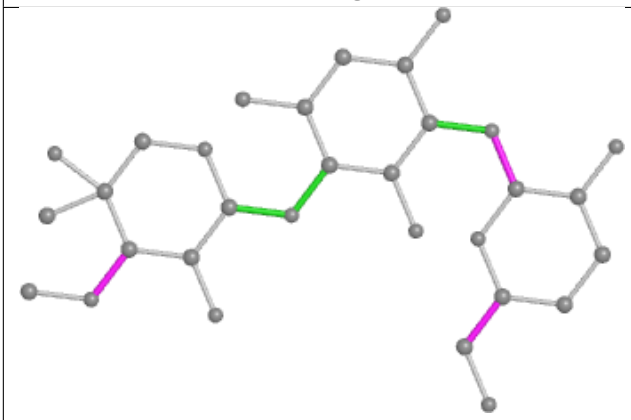
Ligand LLL 5 4153



Bond lengths



Bond angles



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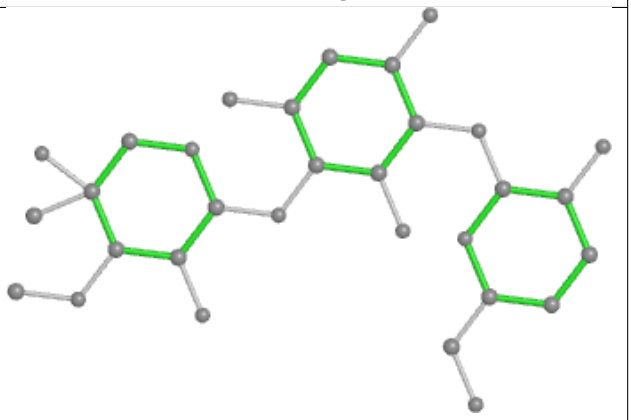
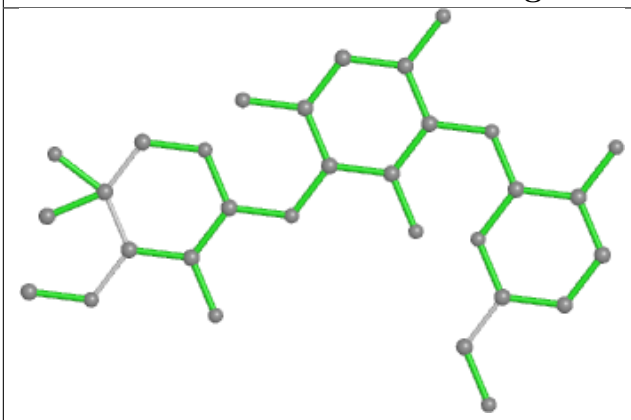
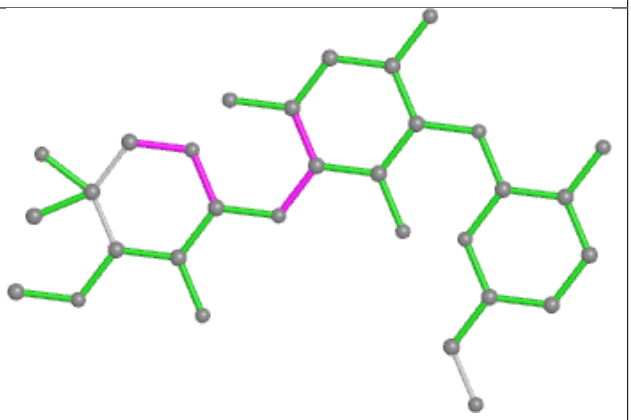


Rings

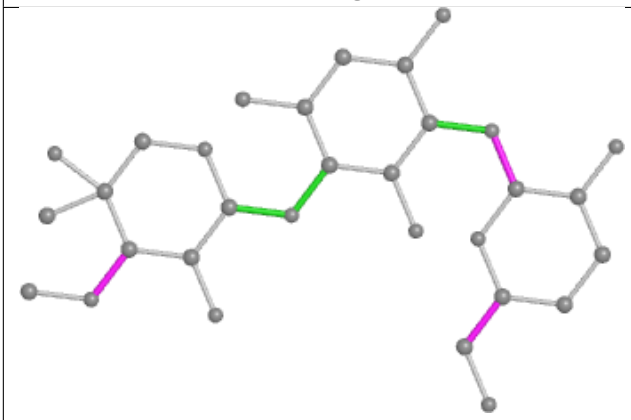
Ligand LLL 6 2175



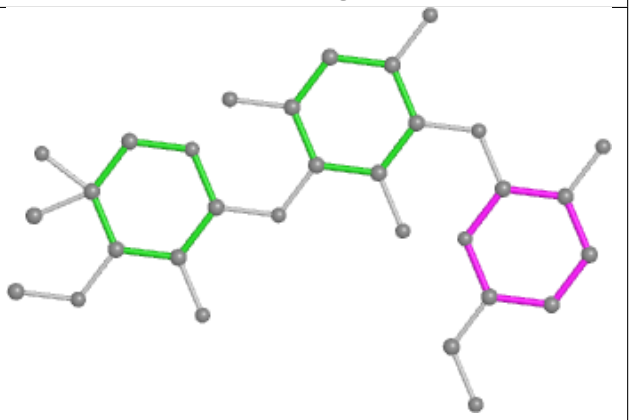
Bond lengths



Bond angles

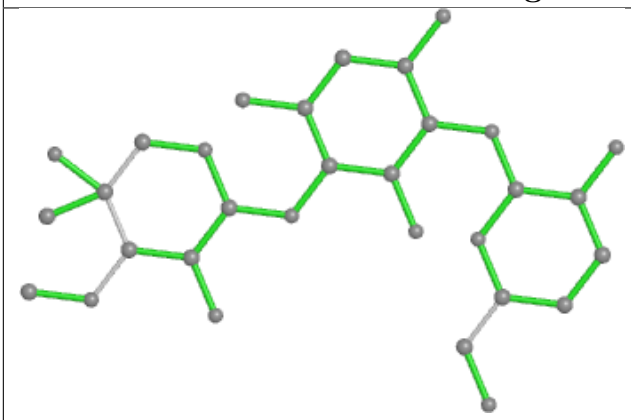


Torsions

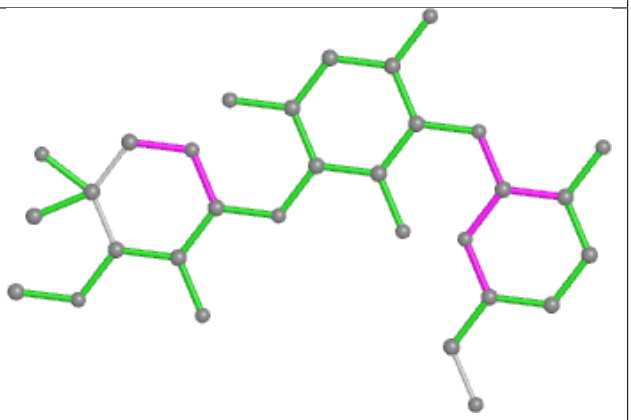


Rings

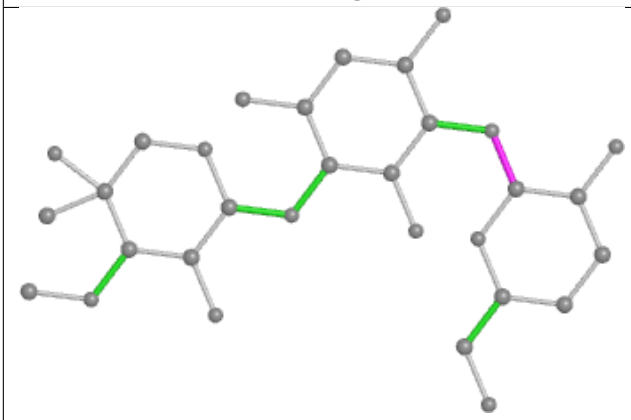
Ligand LLL 5 4175



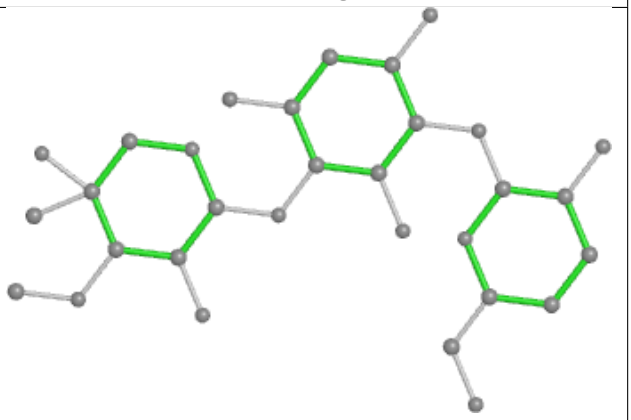
Bond lengths



Bond angles

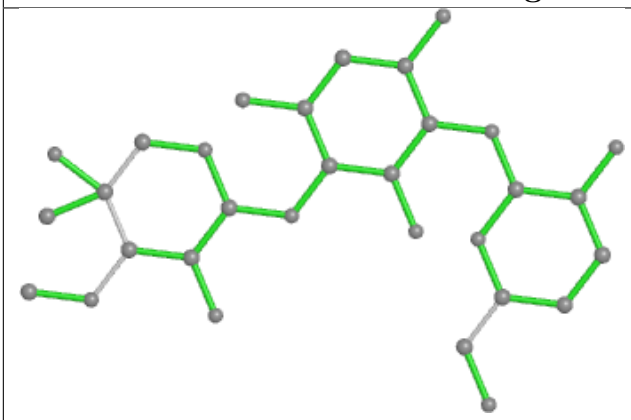


Torsions

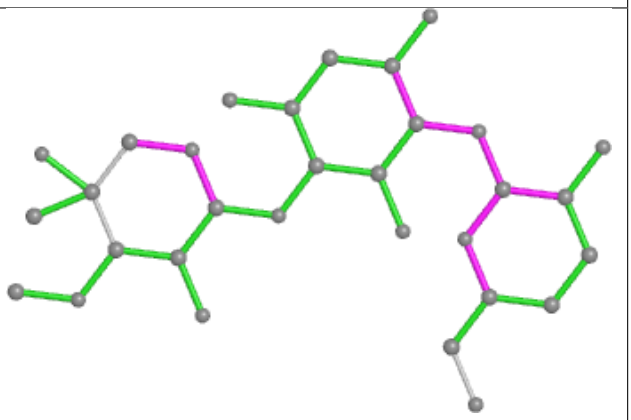


Rings

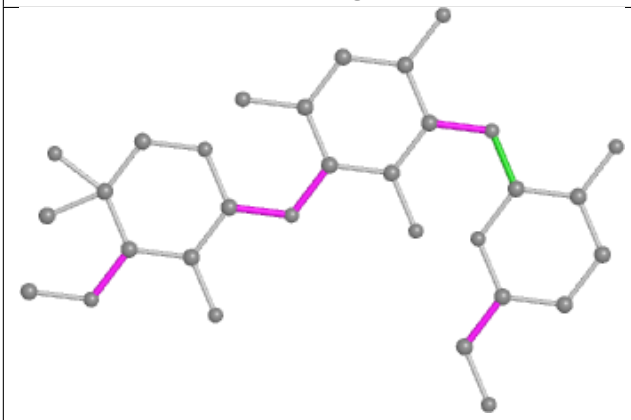
Ligand LLL 2 2045



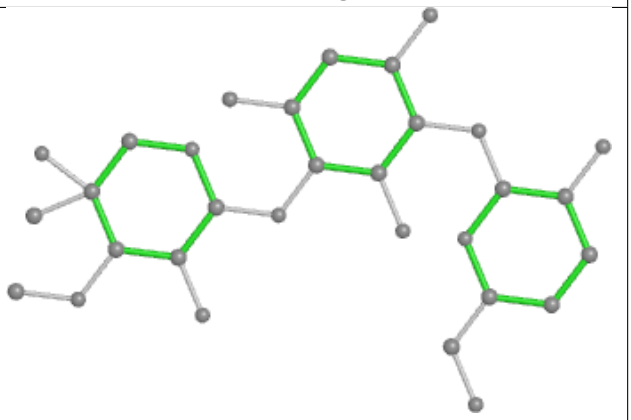
Bond lengths



Bond angles

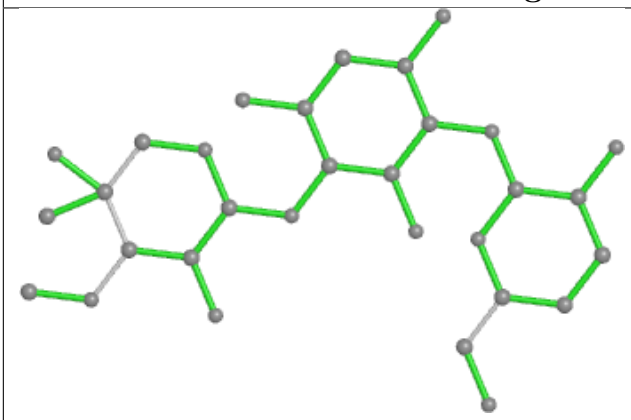


Torsions



Rings

Ligand LLL 1 4004



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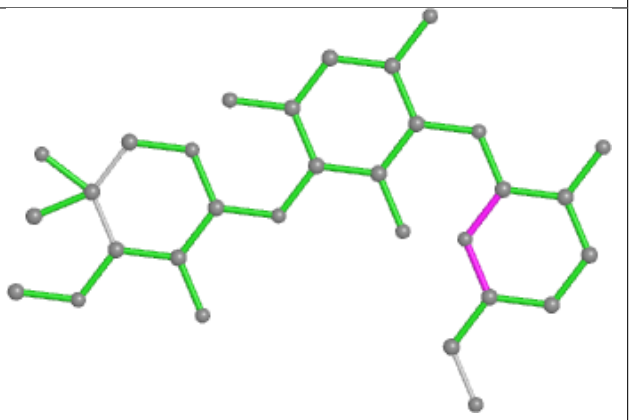
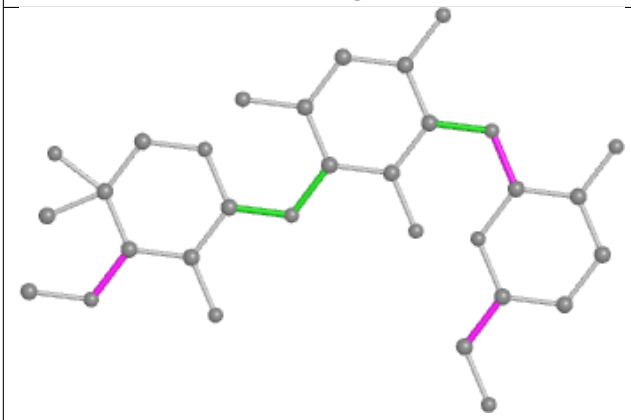
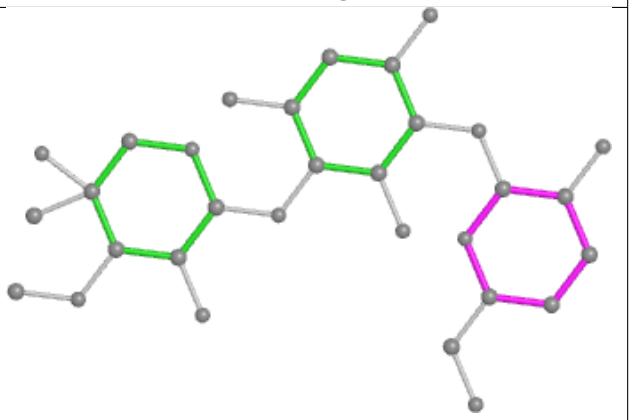


Bond angles

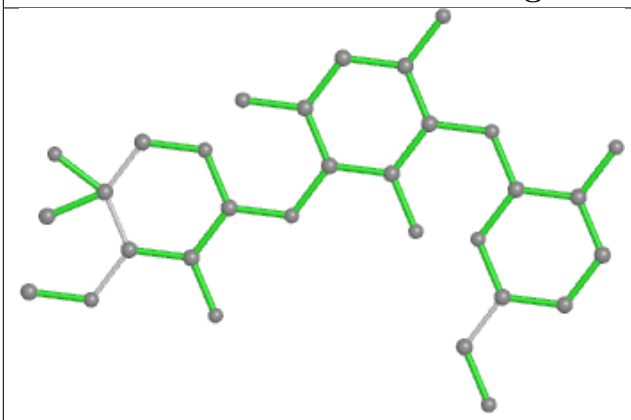


Torsions

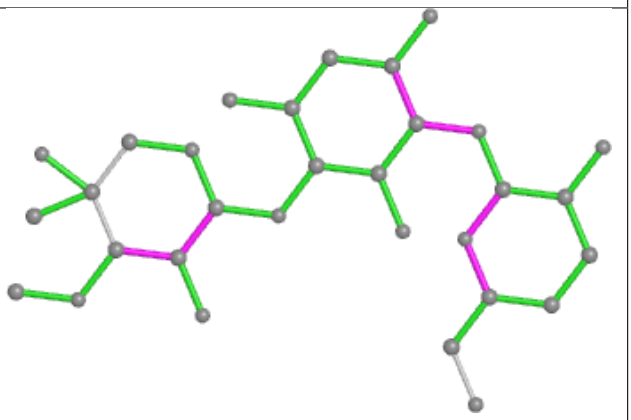


Rings

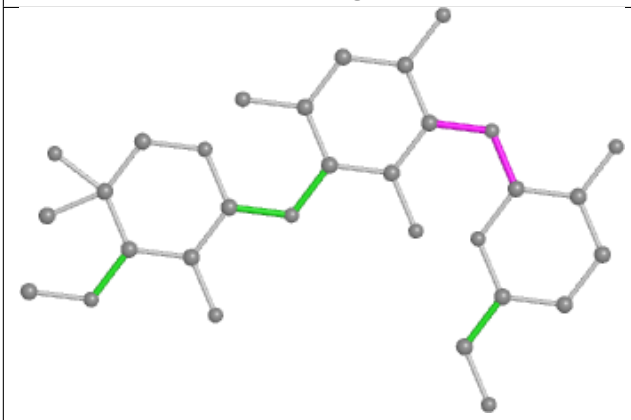
Ligand LLL 1 3989



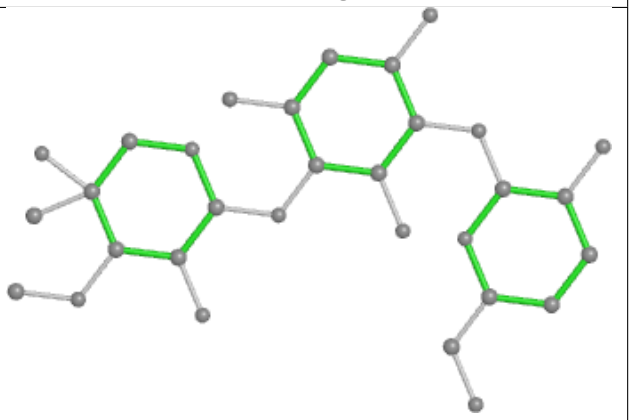
Bond lengths



Bond angles

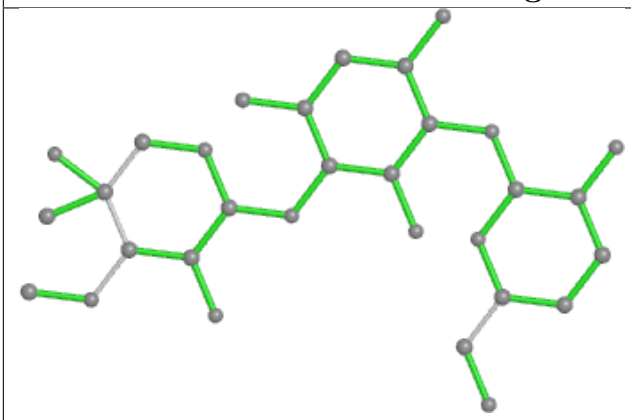


Torsions

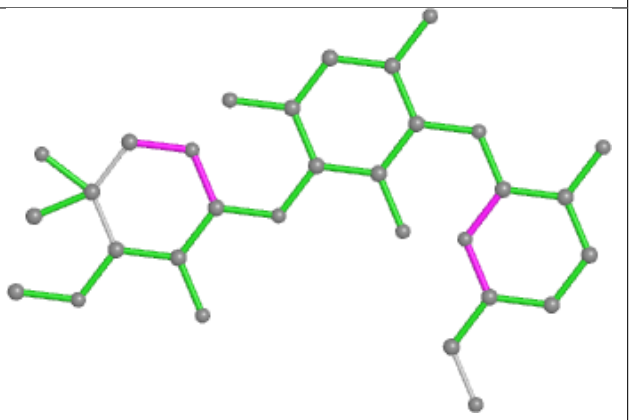


Rings

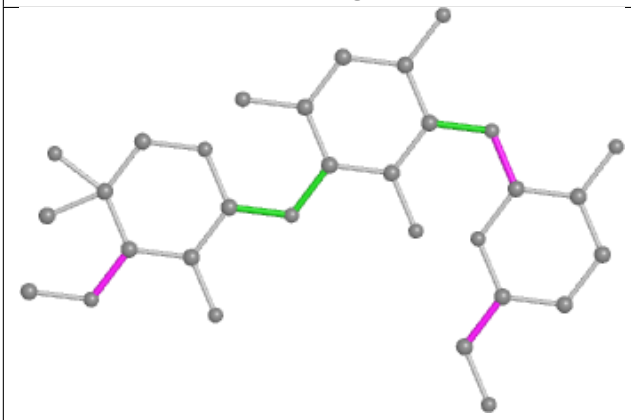
Ligand LLL 5 4152



Bond lengths



Bond angles



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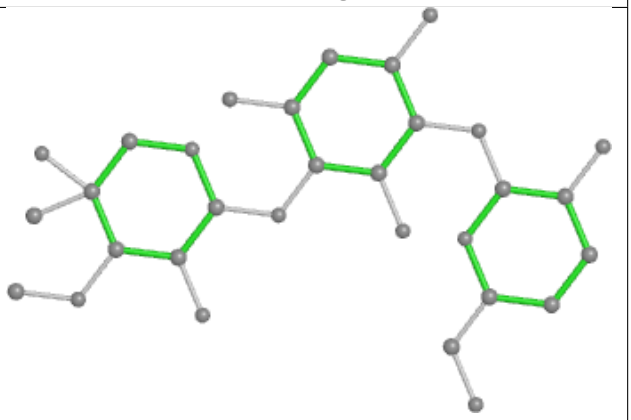
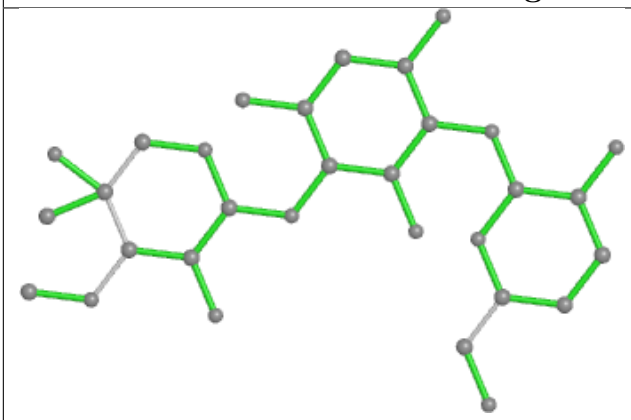


Rings

Ligand LLL 5 4157



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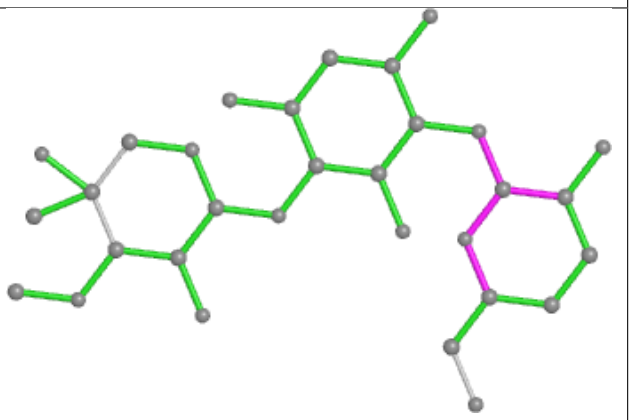
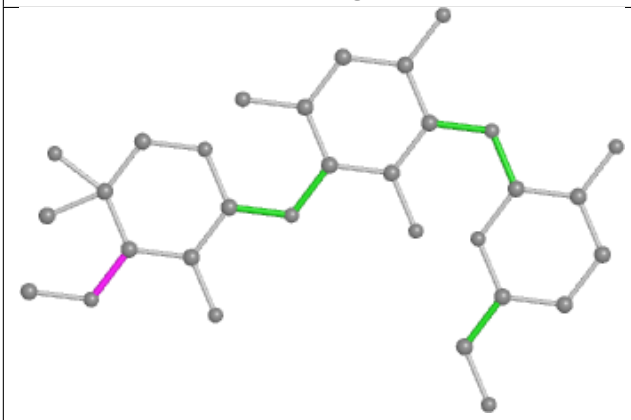
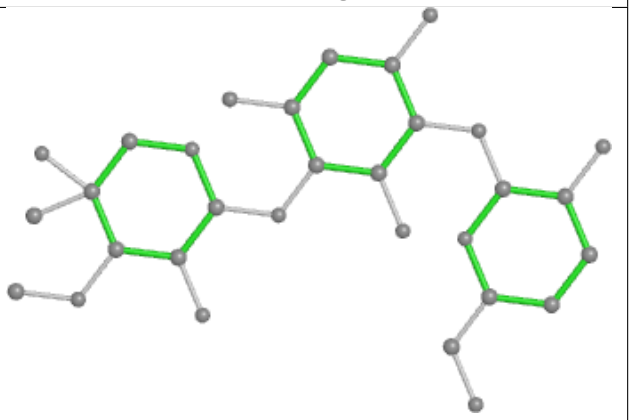


Bond angles

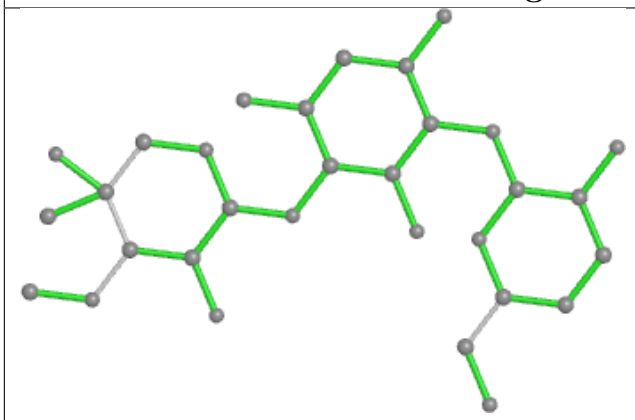


Torsions



Rings

Ligand LLL 2 2044



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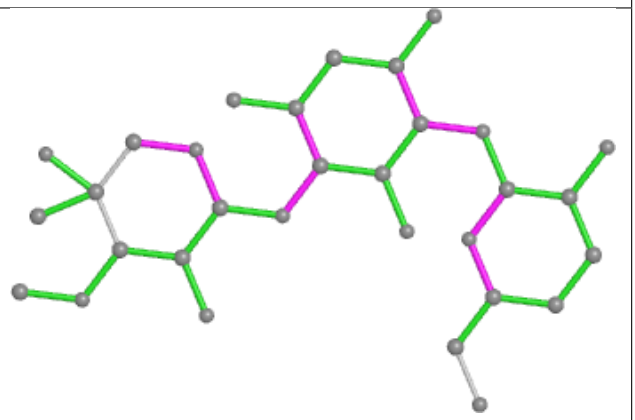
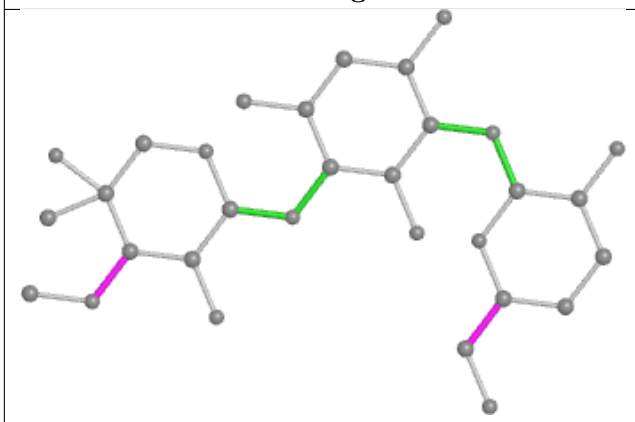


Bond angles



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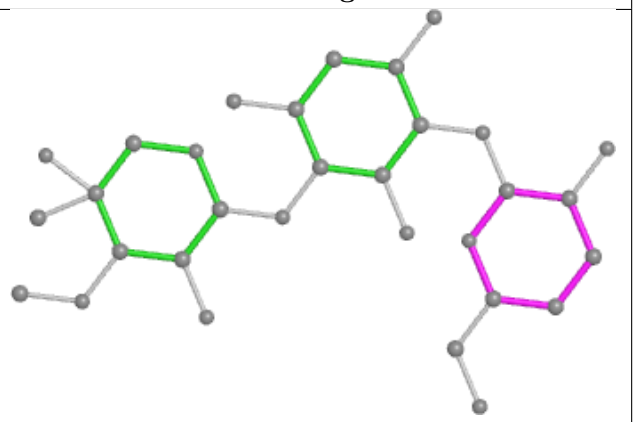
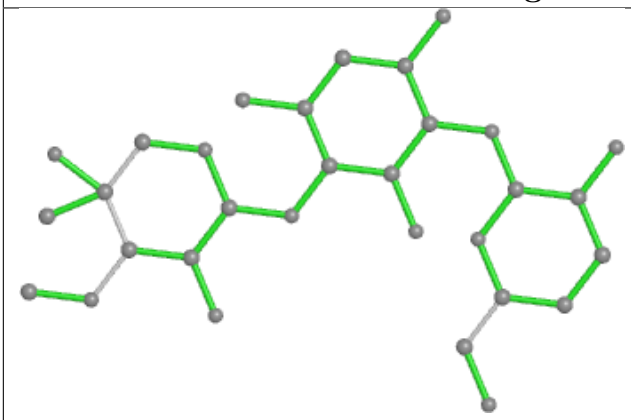
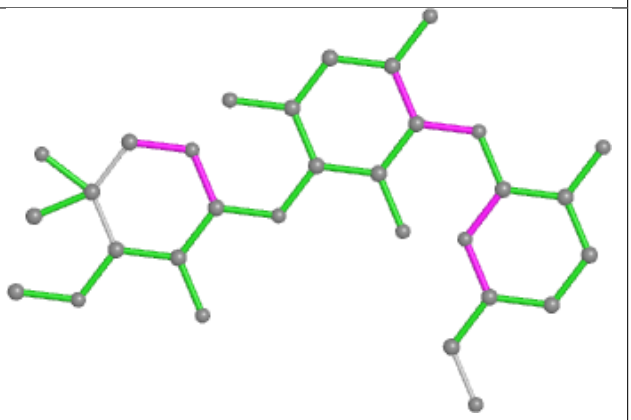


Rings

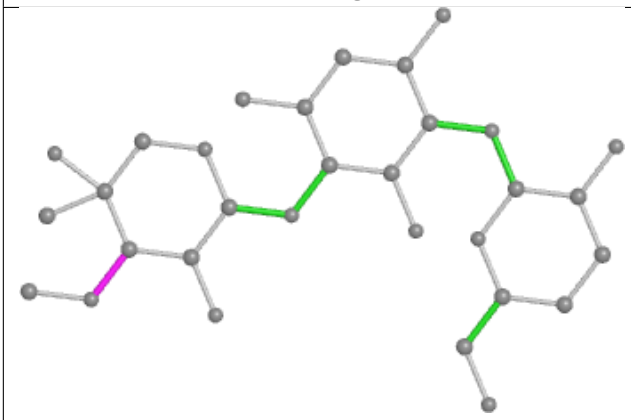
Ligand LLL 5 4159



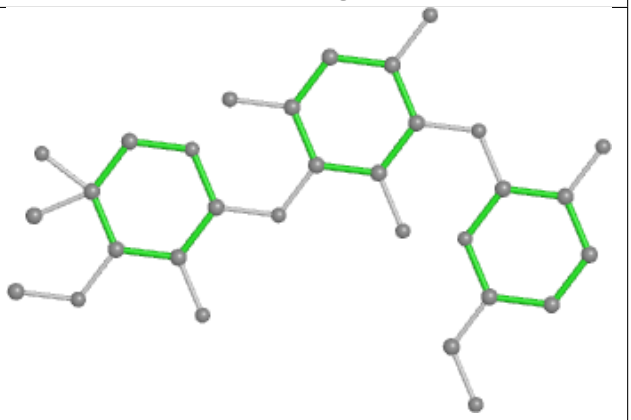
Bond lengths



Bond angles

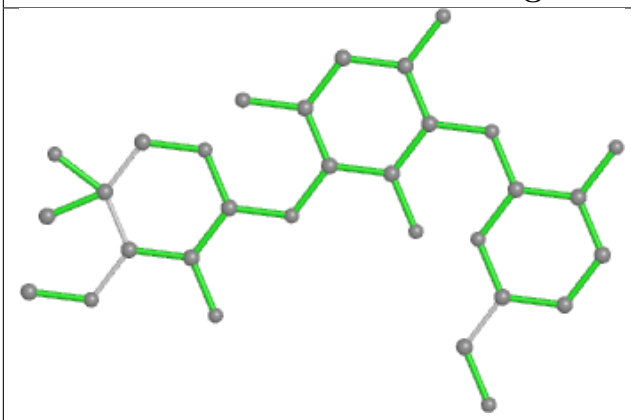


Torsions

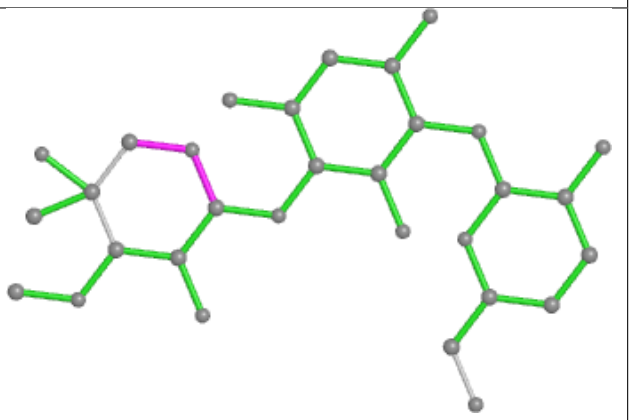


Rings

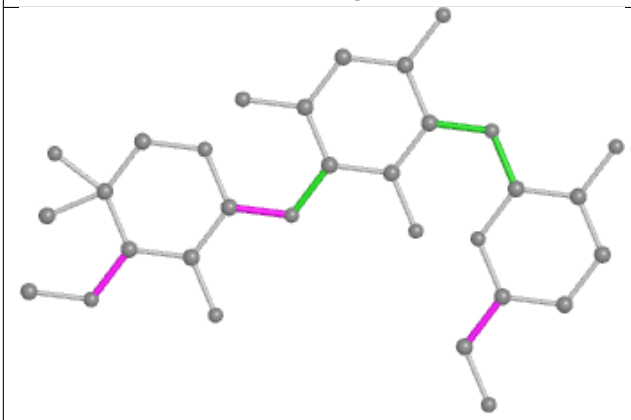
Ligand LLL 5 4171



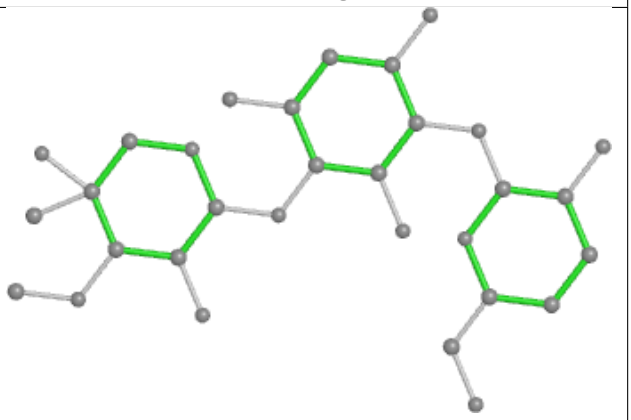
Bond lengths



Bond angles

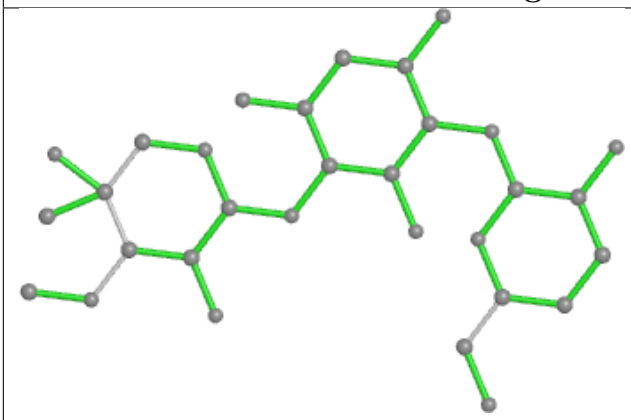


Torsions

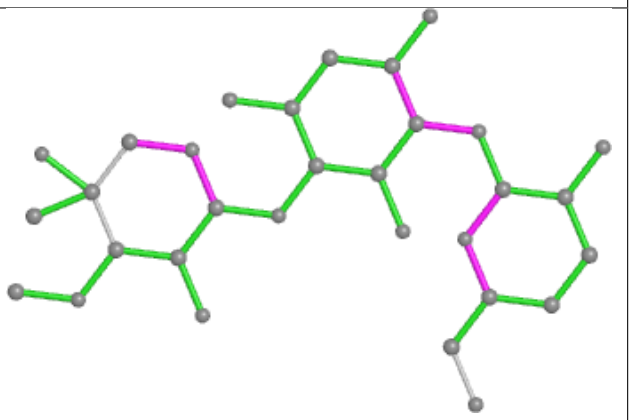


Rings

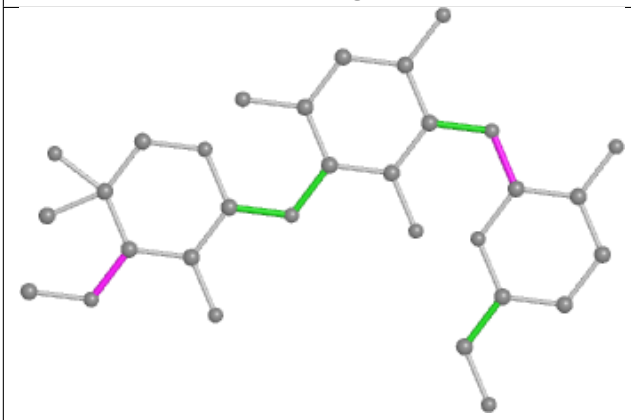
Ligand LLL 5 4173



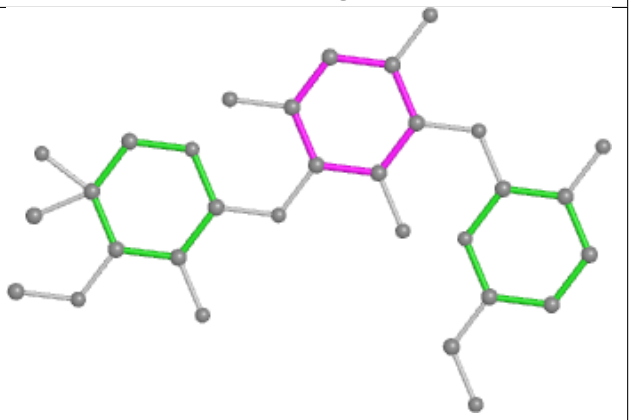
Bond lengths



Bond angles

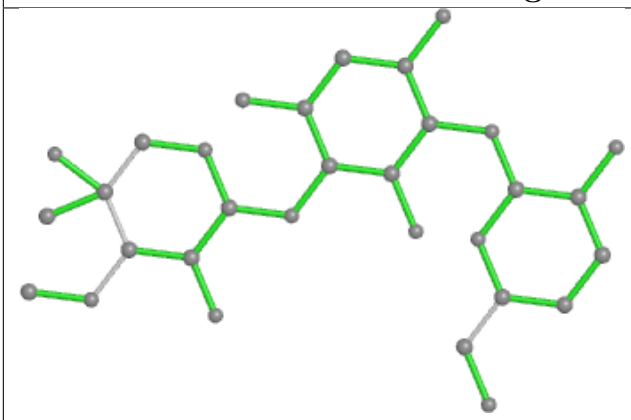


Torsions

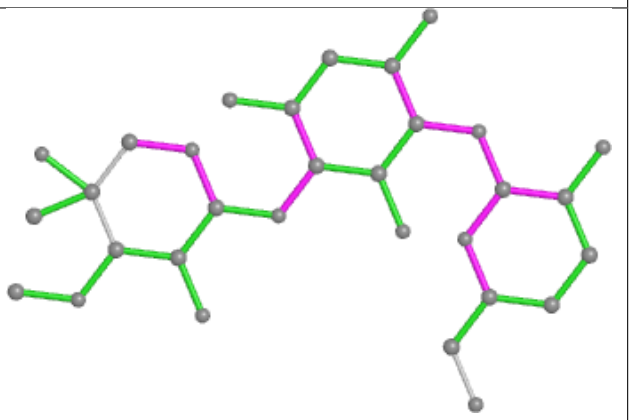


Rings

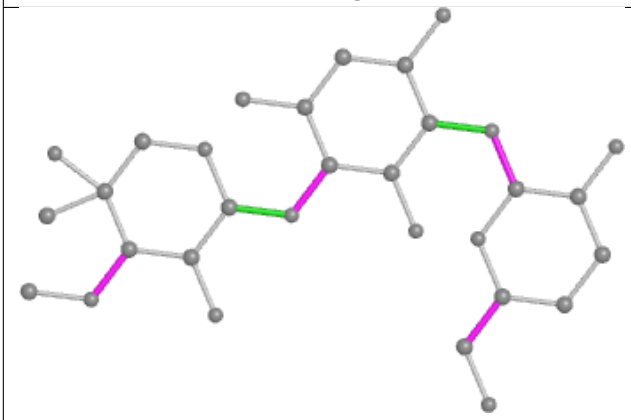
Ligand LLL 6 2167



Bond lengths



Bond angles



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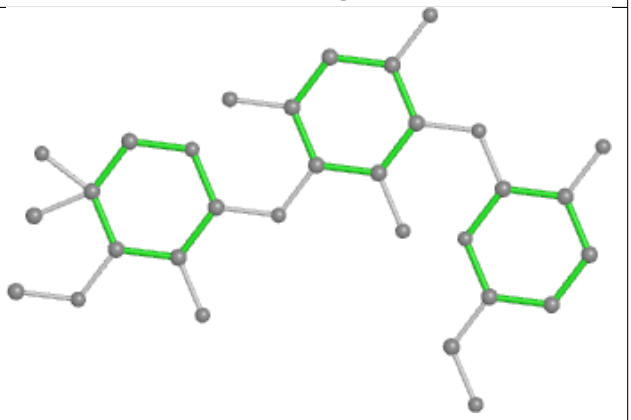
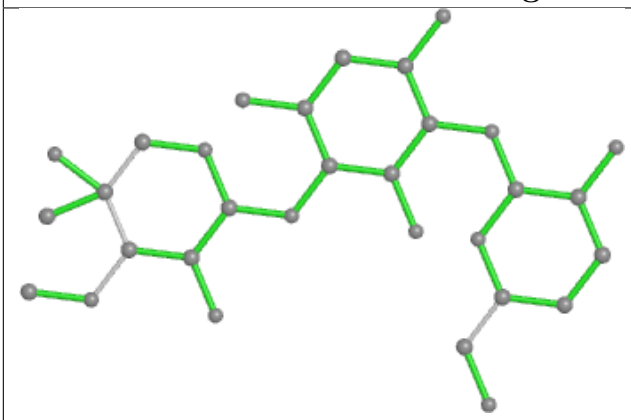
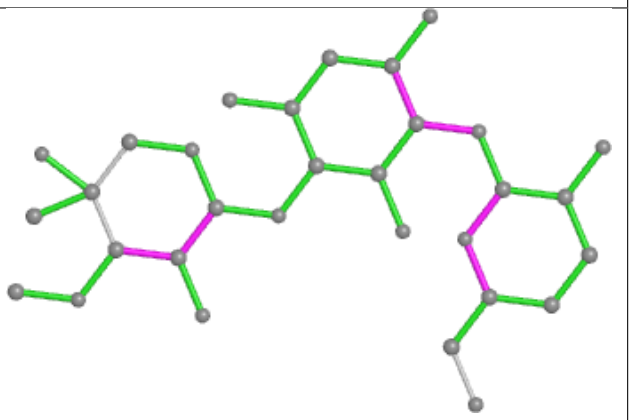


Rings

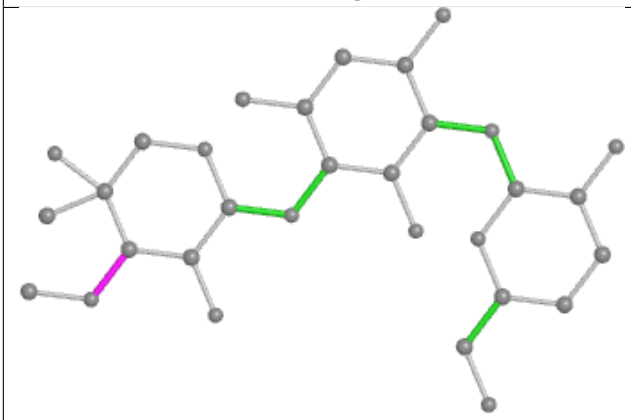
Ligand LLL L3 404



Bond lengths



Bond angles



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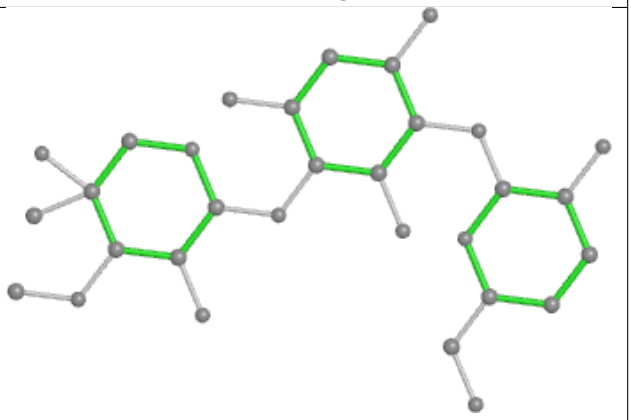
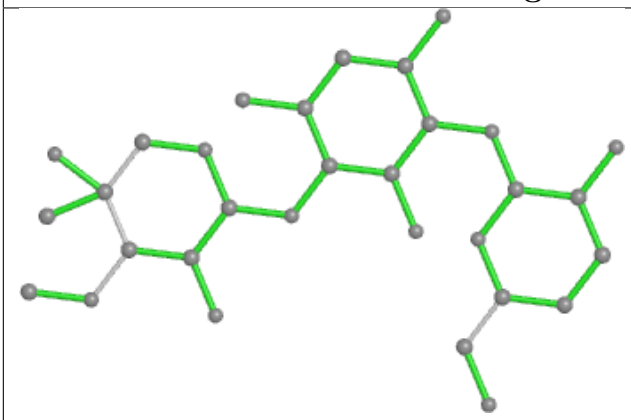
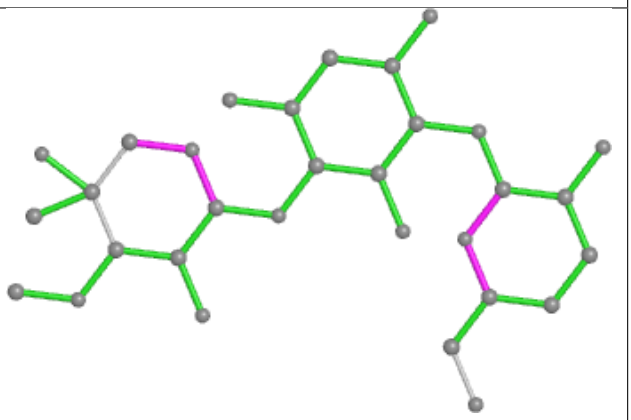


Rings

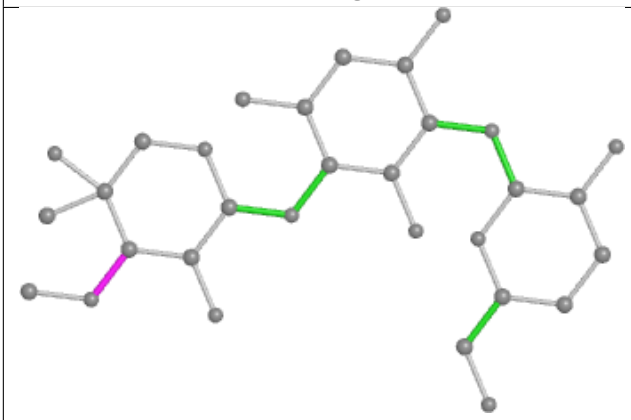
Ligand LLL 6 2169



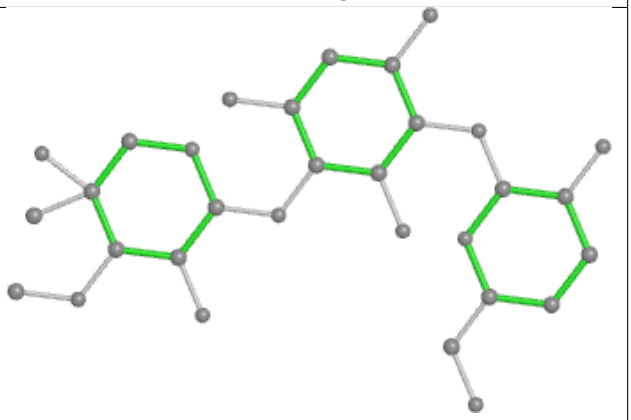
Bond lengths



Bond angles

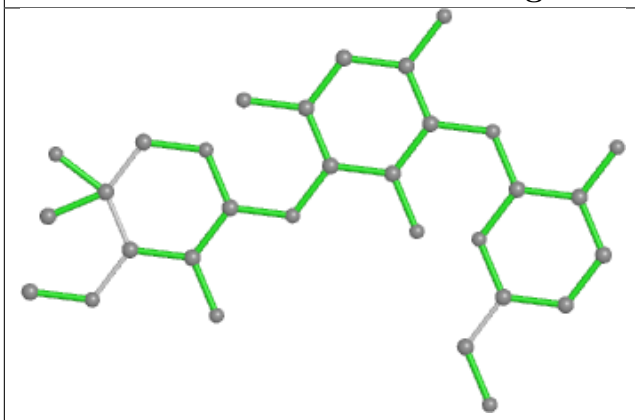


Torsions

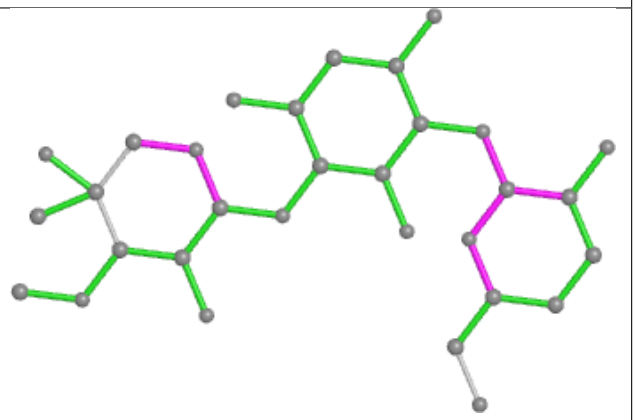


Rings

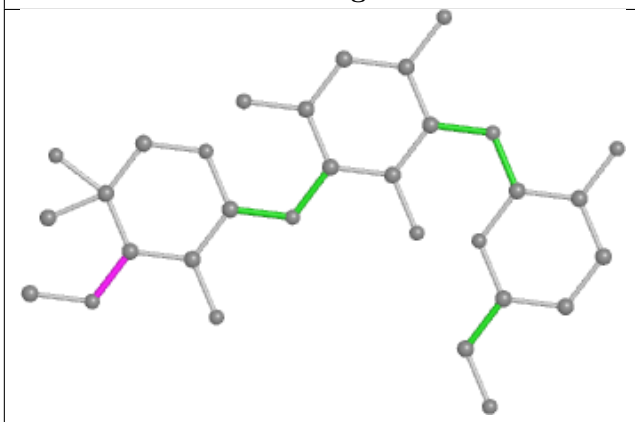
Ligand LLL 6 2174



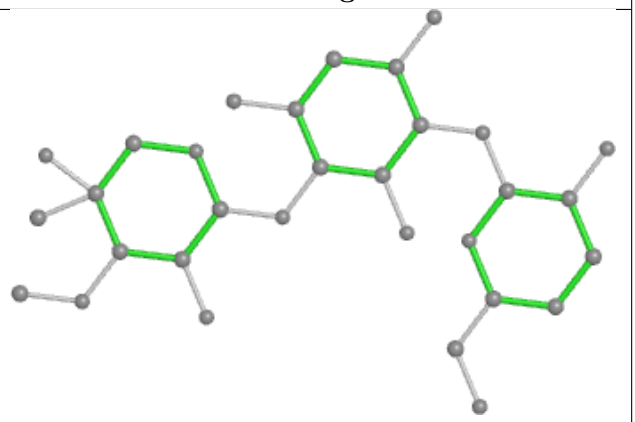
Bond lengths



Bond angles

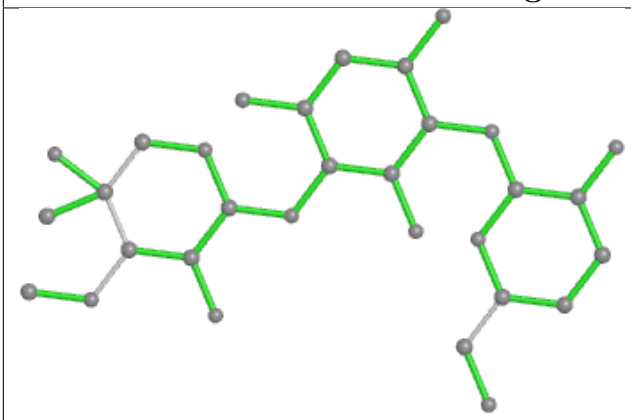


Torsions

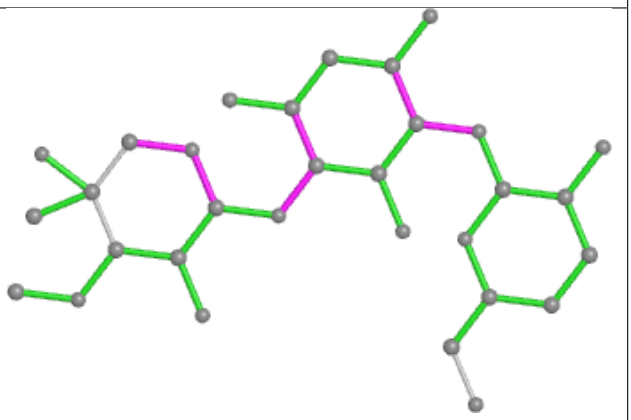


Rings

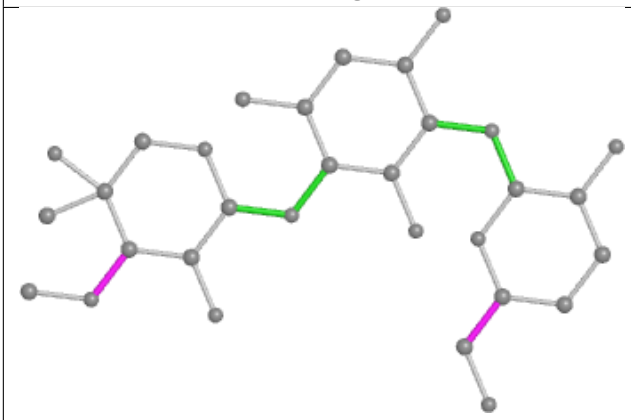
Ligand LLL 1 3991



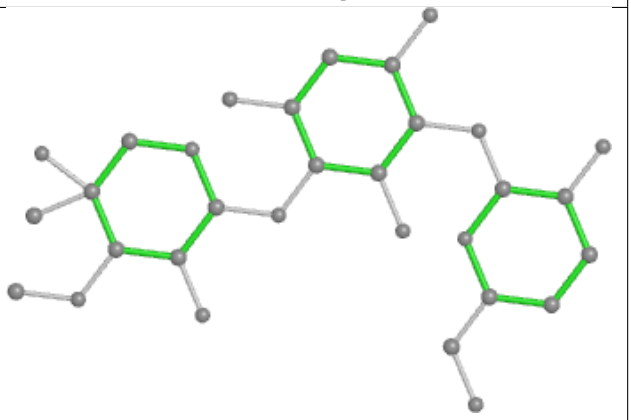
Bond lengths



Bond angles

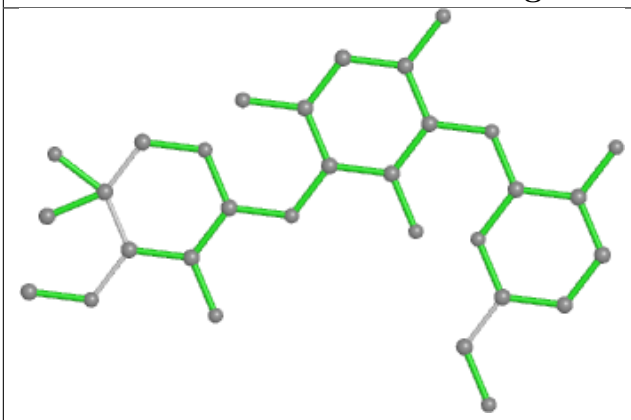


Torsions

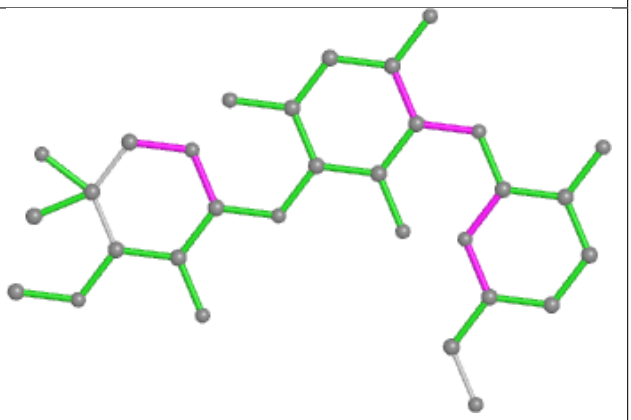


Rings

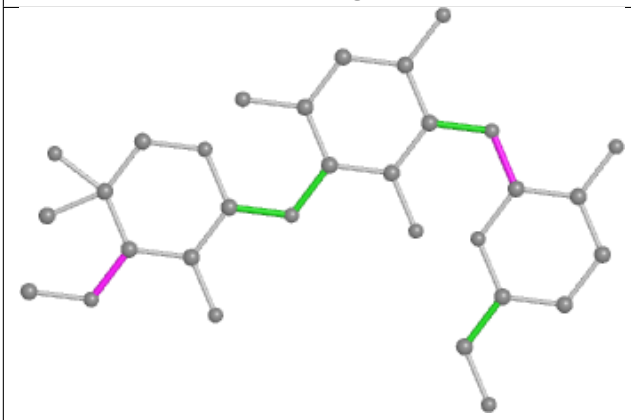
Ligand LLL 5 4161



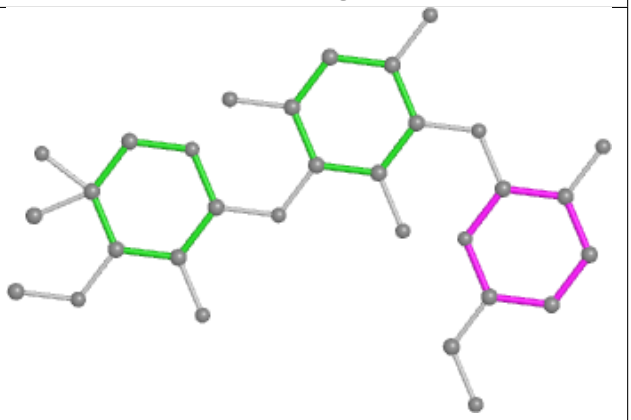
Bond lengths



Bond angles

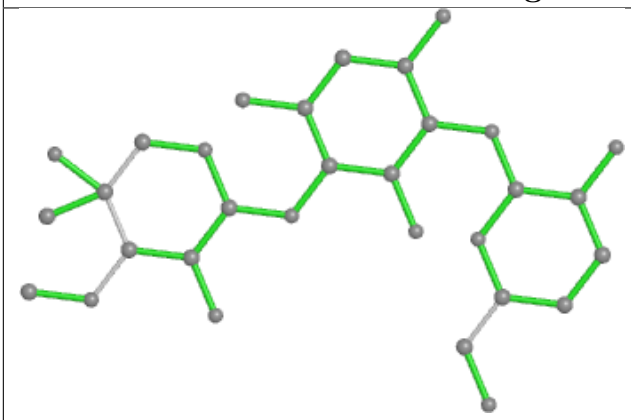


Torsions

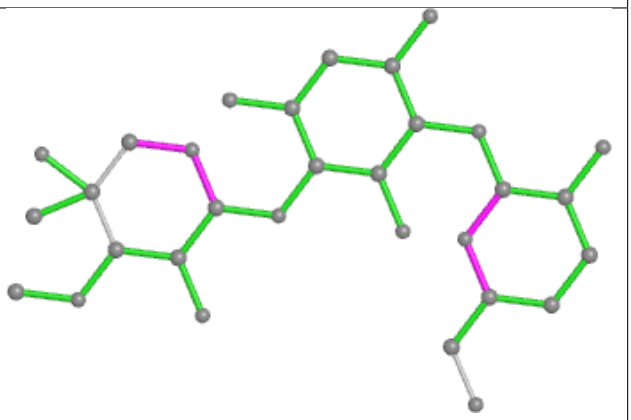


Rings

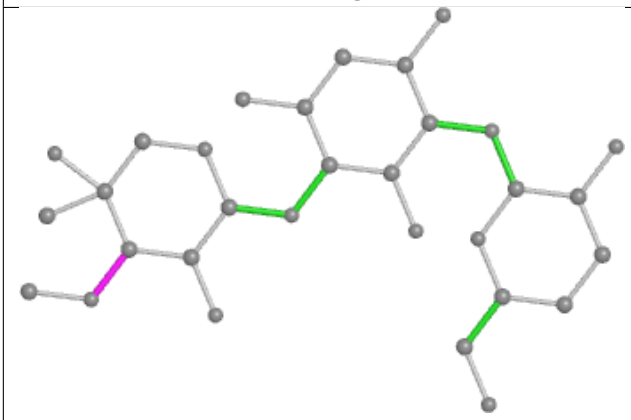
Ligand LLL 1 3992



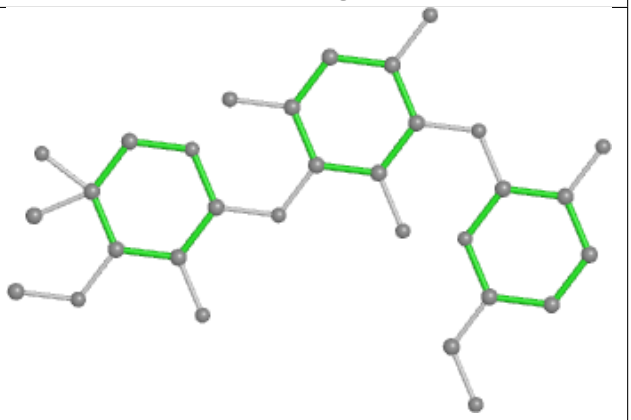
Bond lengths



Bond angles

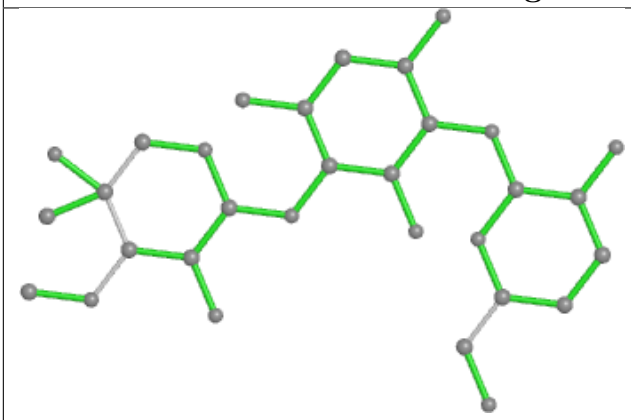


Torsions



Rings

Ligand LLL 5 4156



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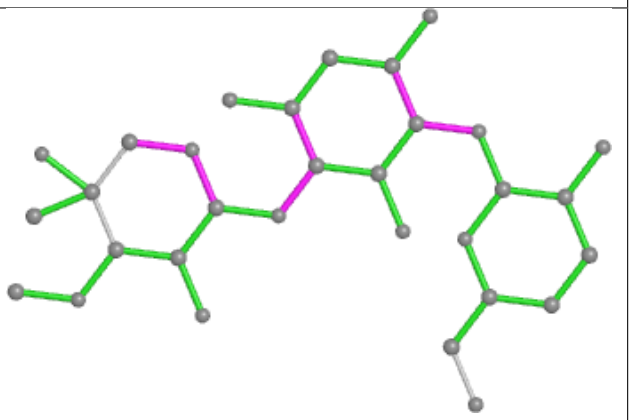
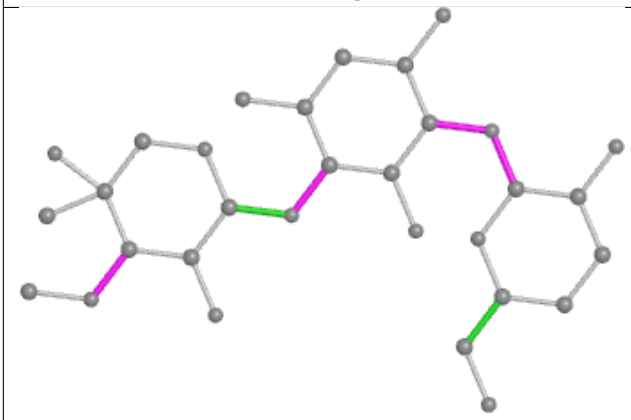
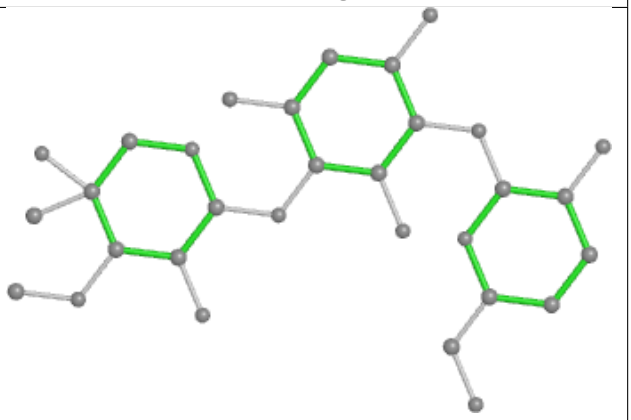


Bond angles

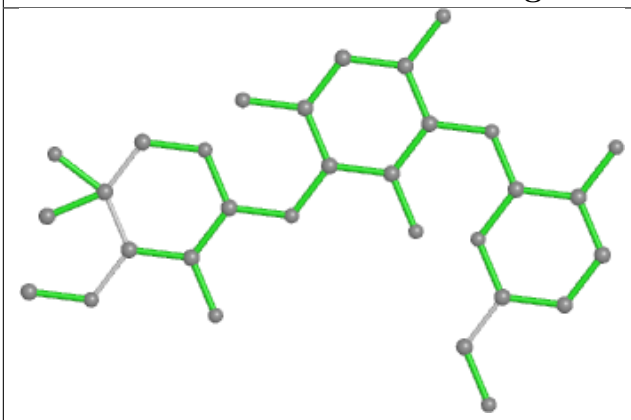


Torsions

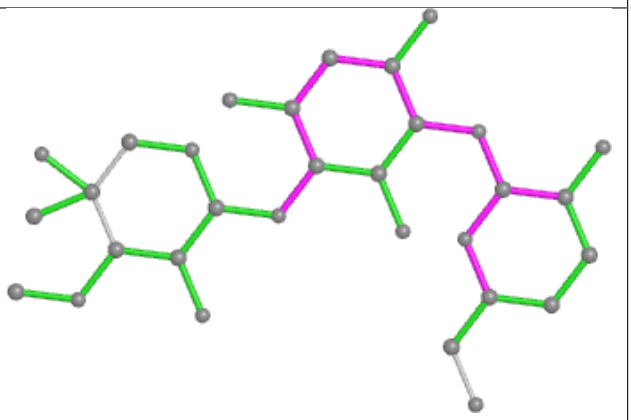


Rings

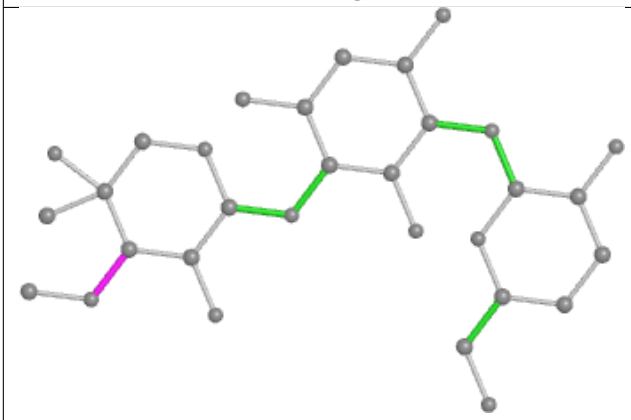
Ligand LLL 1 3993



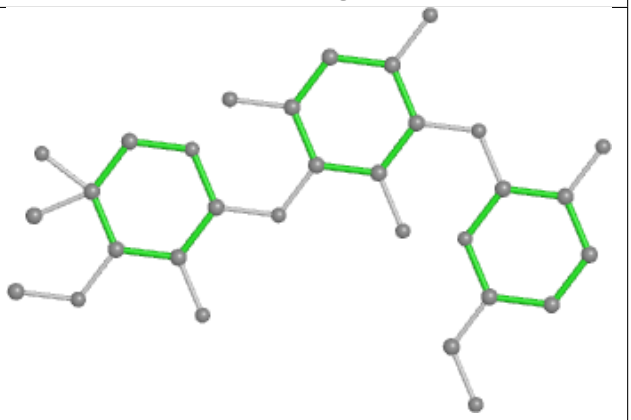
Bond lengths



Bond angles

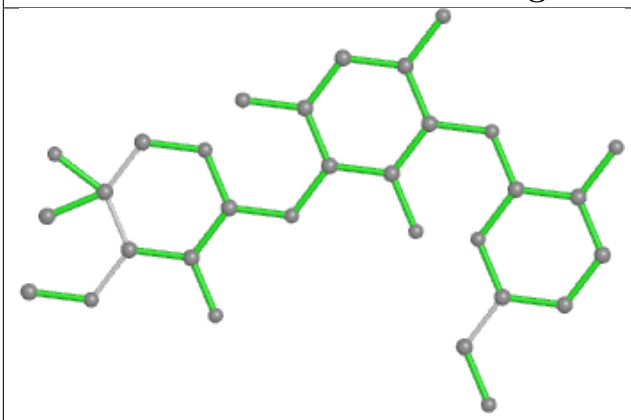


Torsions



Rings

Ligand LLL l3 412



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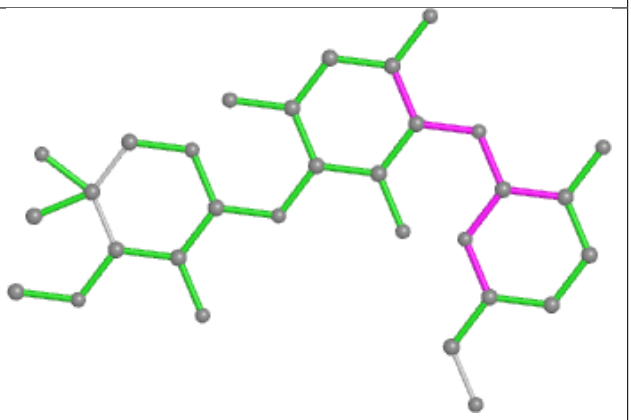
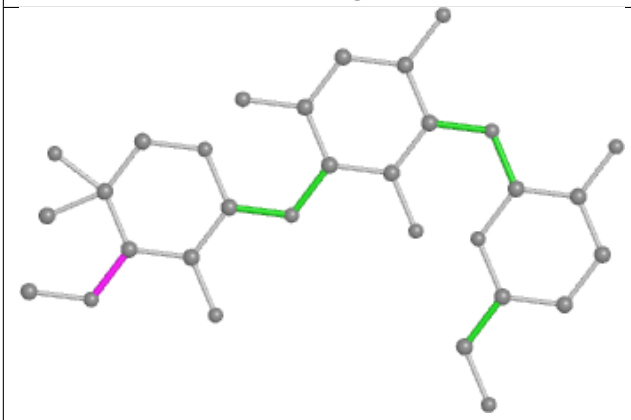


Bond angles



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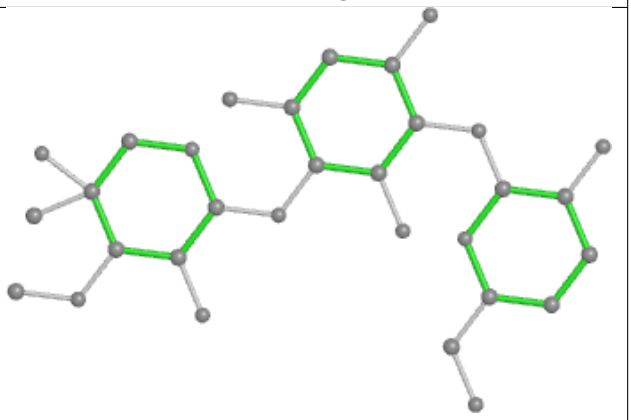
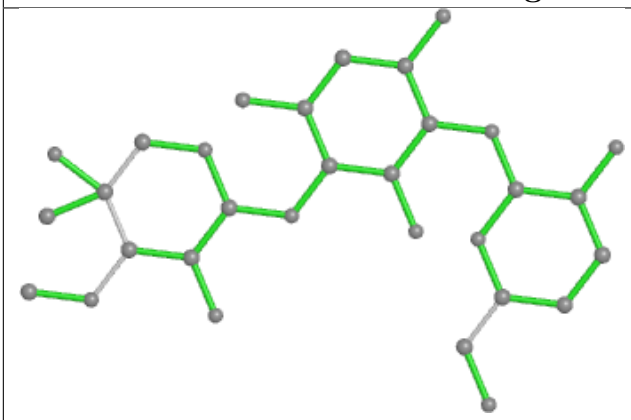
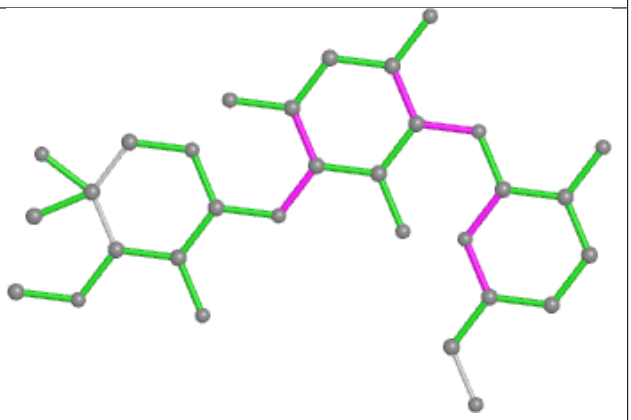


Rings

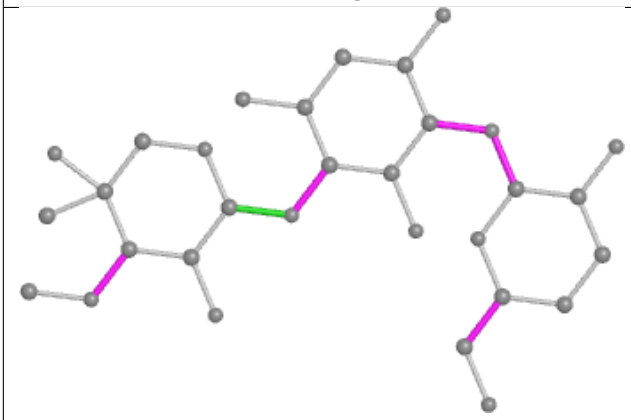
Ligand LLL 6 2173



Bond lengths



Bond angles



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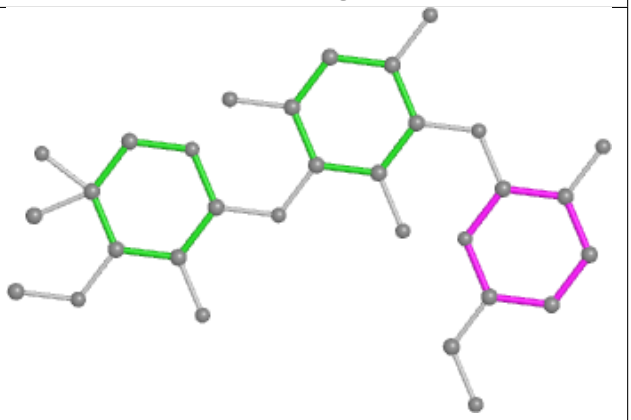
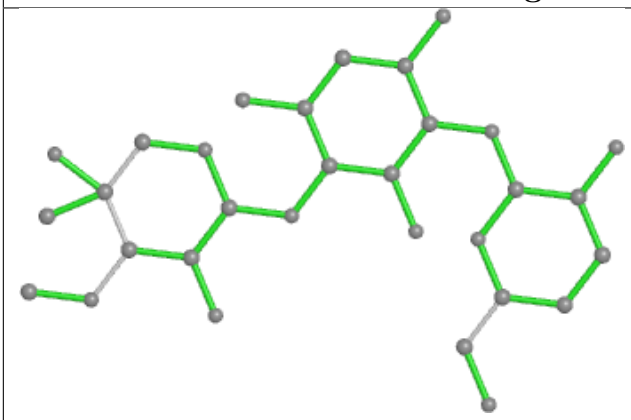
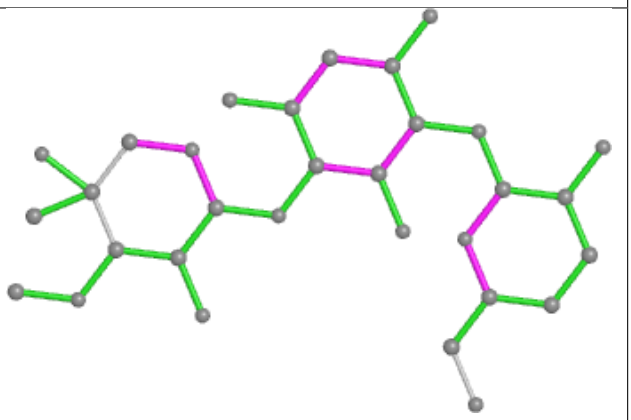


Rings

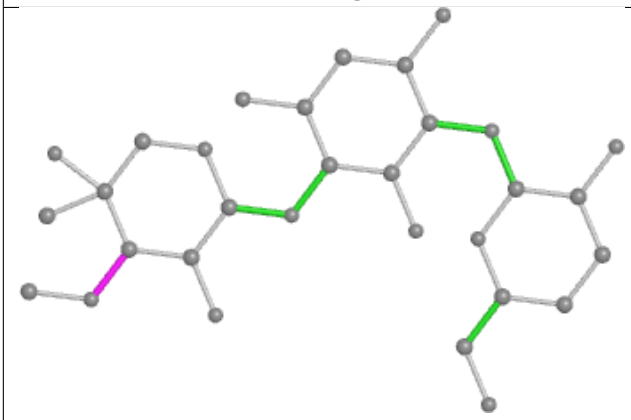
Ligand LLL 5 4169



Bond lengths



Bond angles



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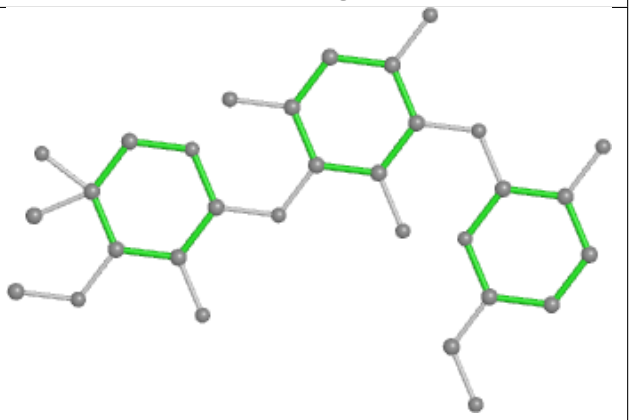
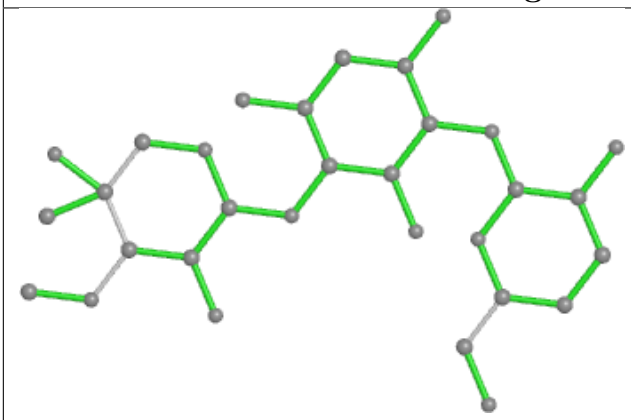
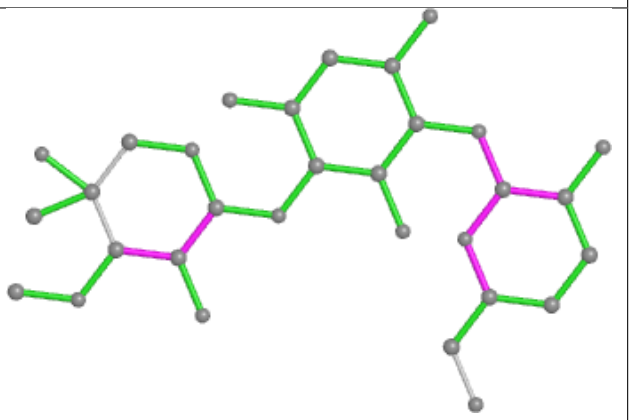


Rings

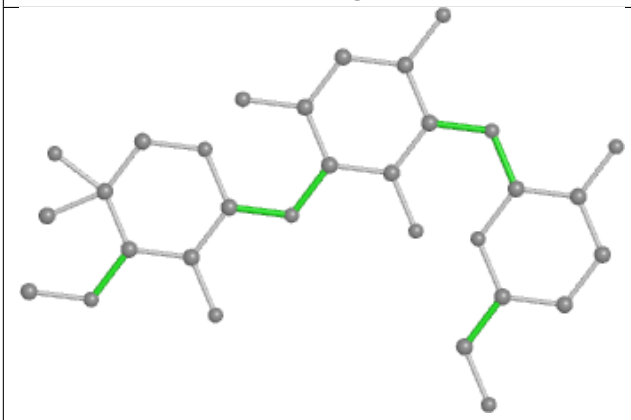
Ligand LLL 5 4168



Bond lengths



Bond angles



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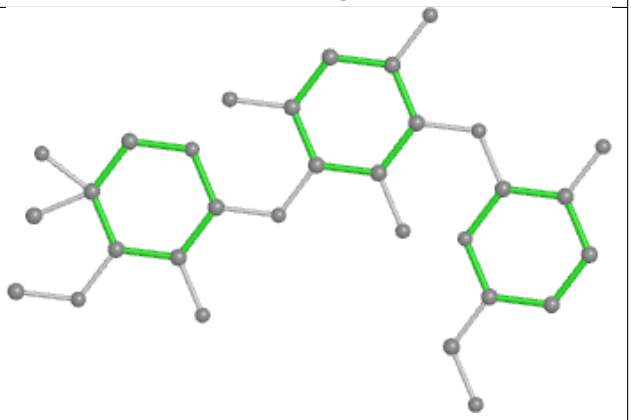
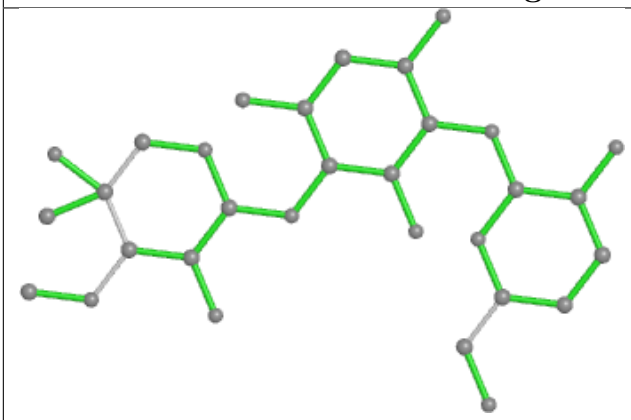
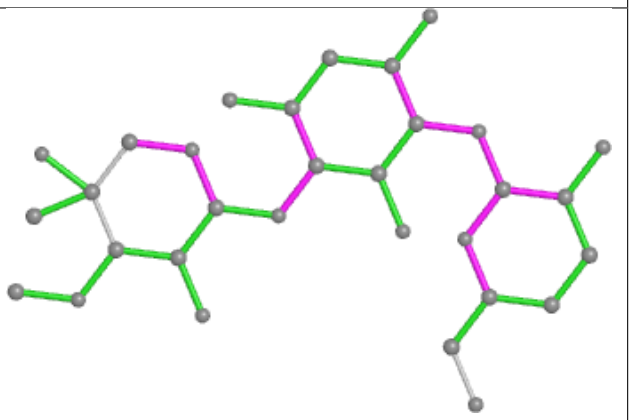


Rings

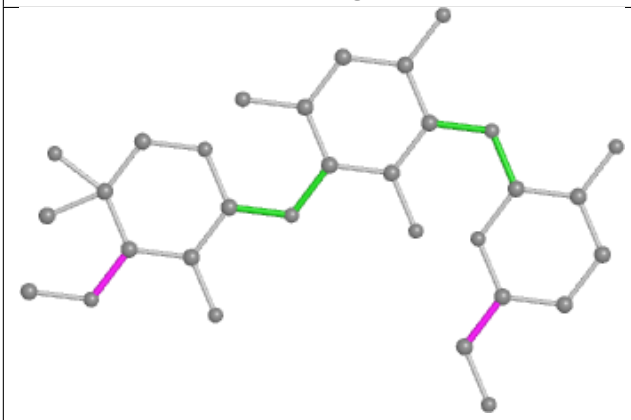
Ligand LLL 1 4000



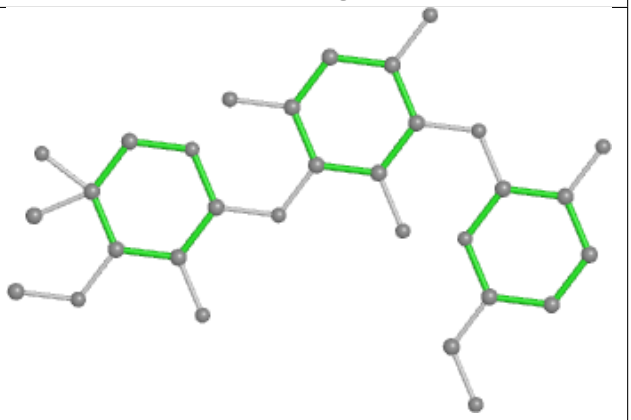
Bond lengths



Bond angles

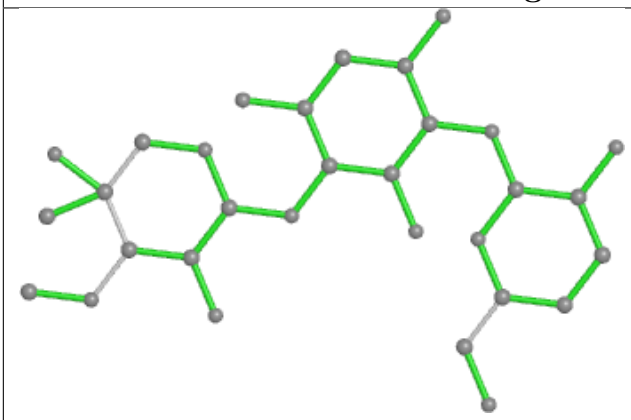


Torsions

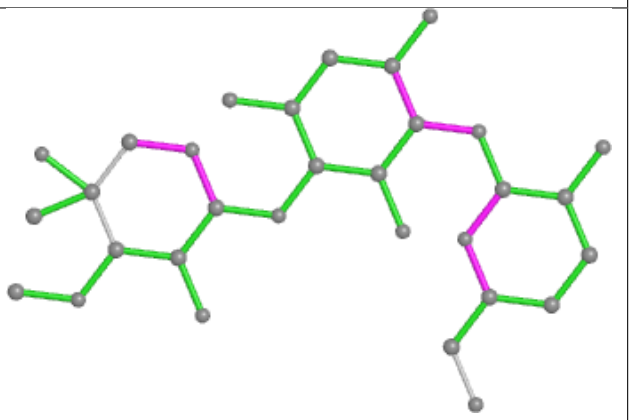


Rings

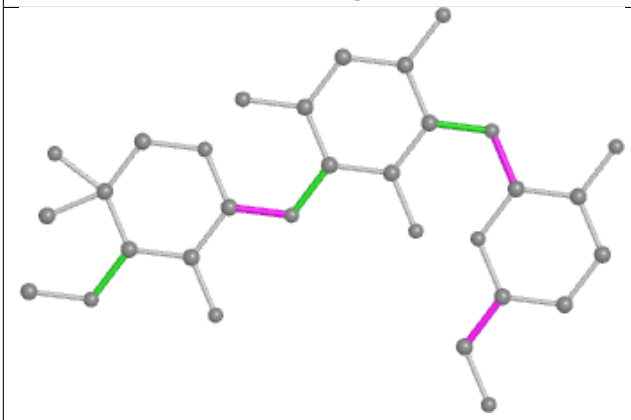
Ligand LLL 5 4163



Bond lengths



Bond angles



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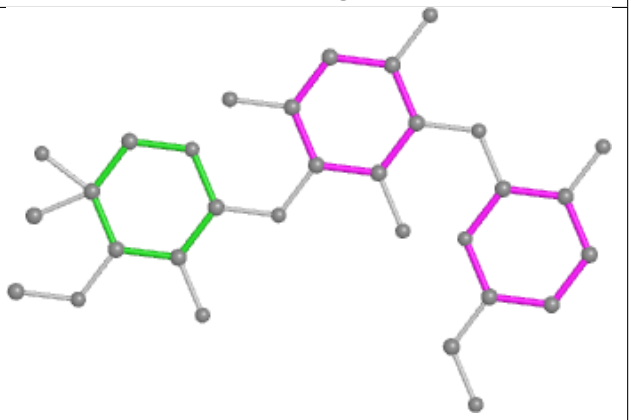
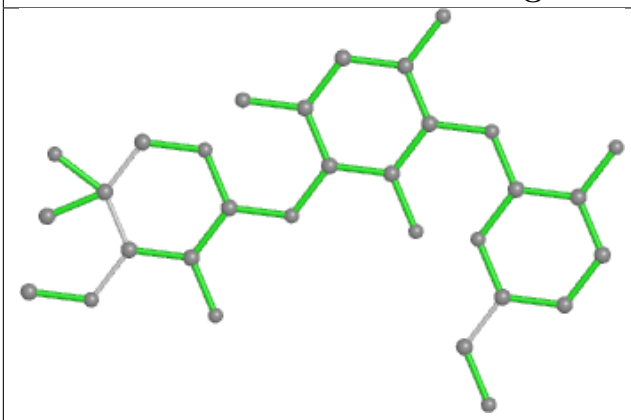
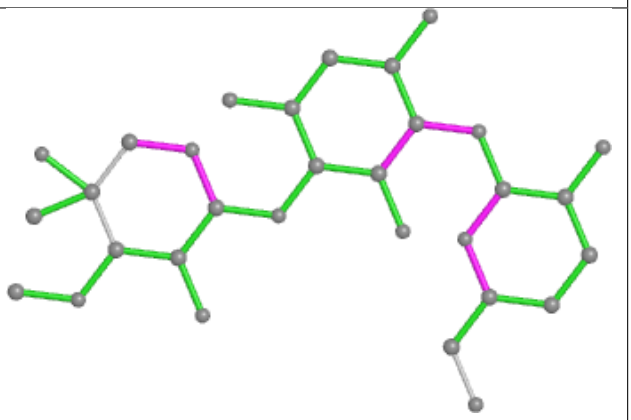


Rings

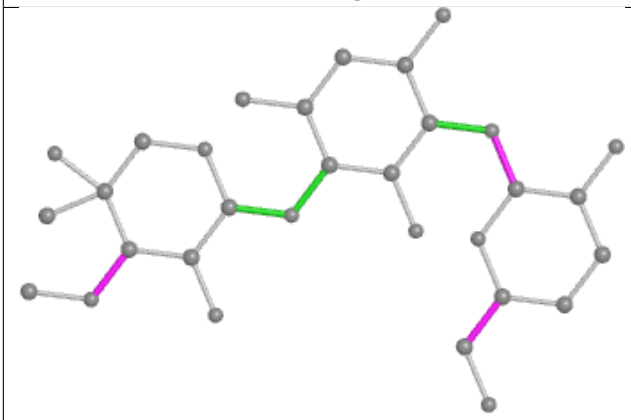
Ligand LLL 6 2168



Bond lengths



Bond angles



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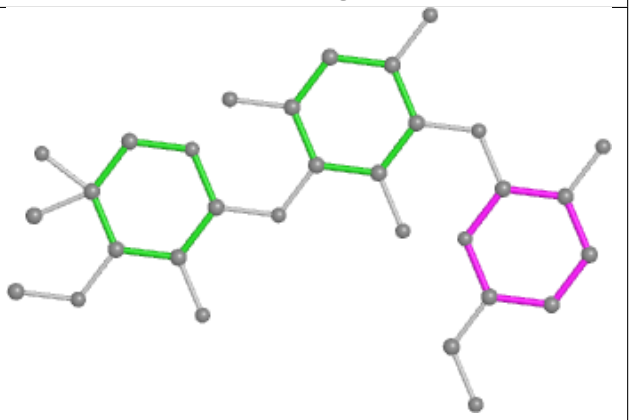
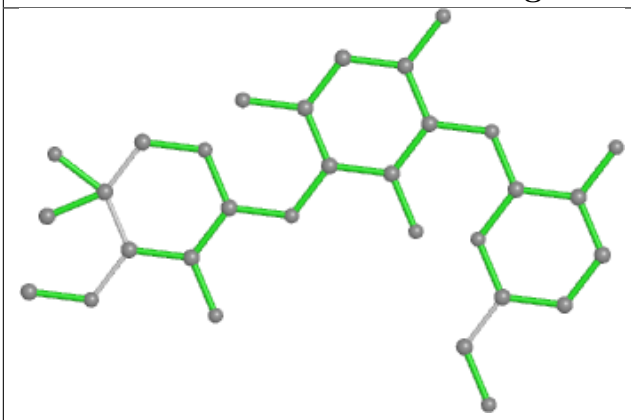
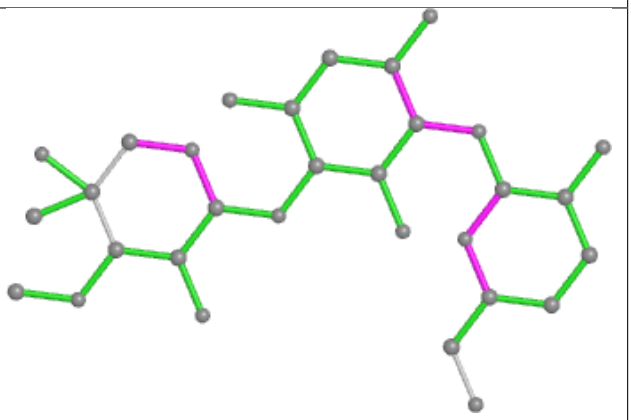


Rings

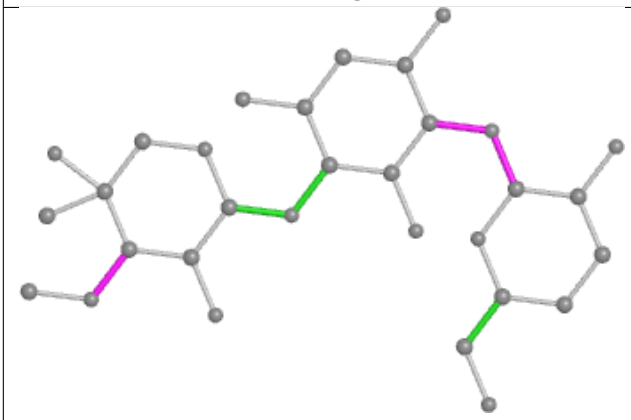
Ligand LLL 6 2176



Bond lengths



Bond angles



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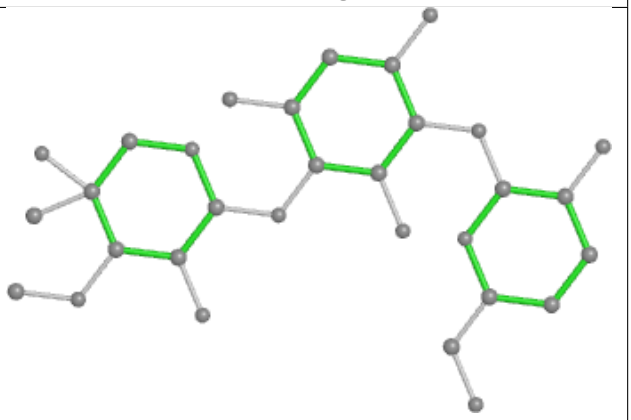
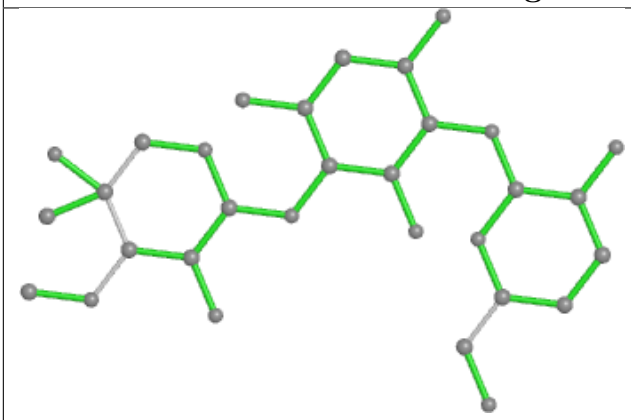
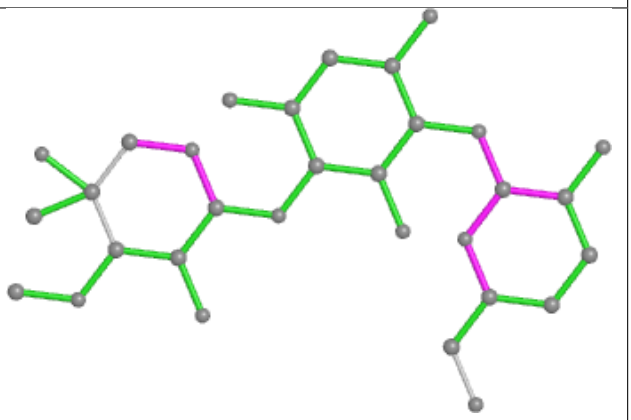


Rings

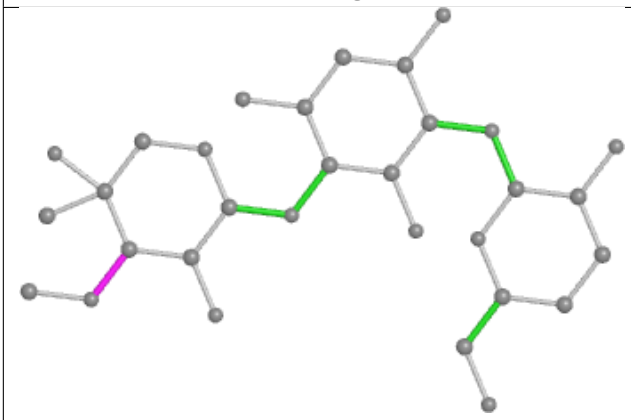
Ligand LLL 1 3997



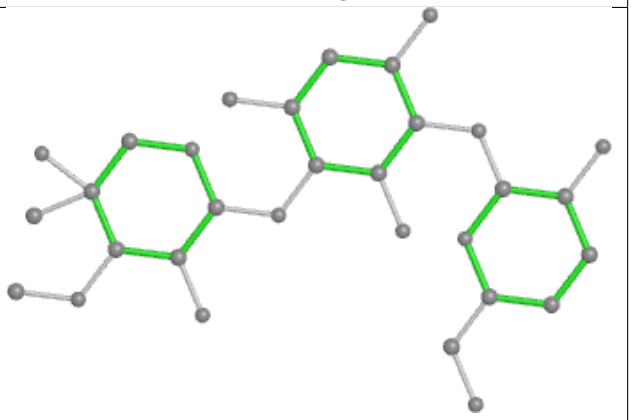
Bond lengths



Bond angles

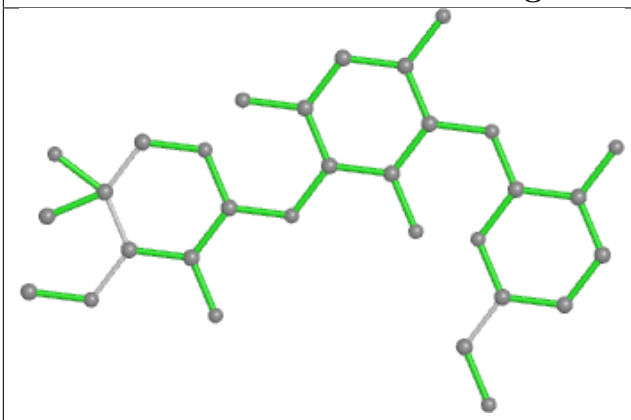


Torsions

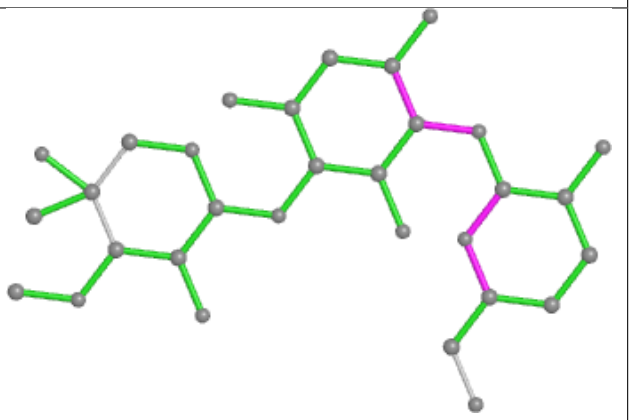


Rings

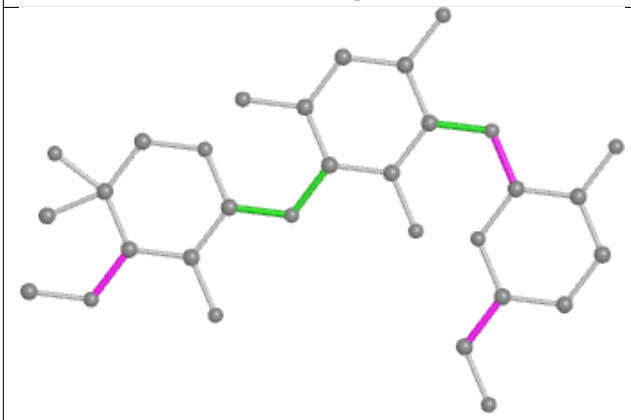
Ligand LLL 1 3999



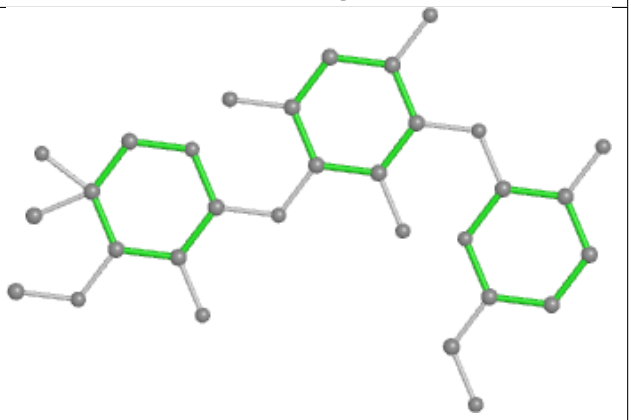
Bond lengths



Bond angles

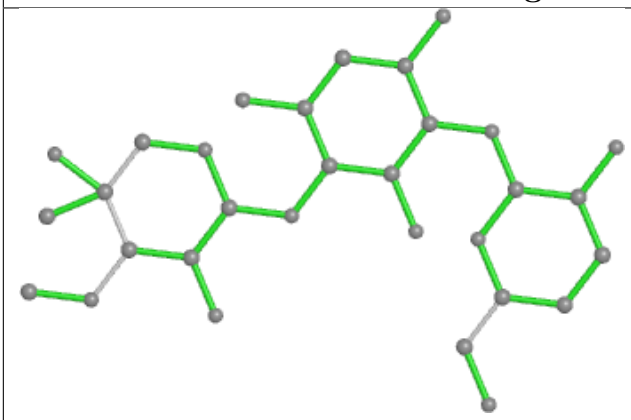


Torsions

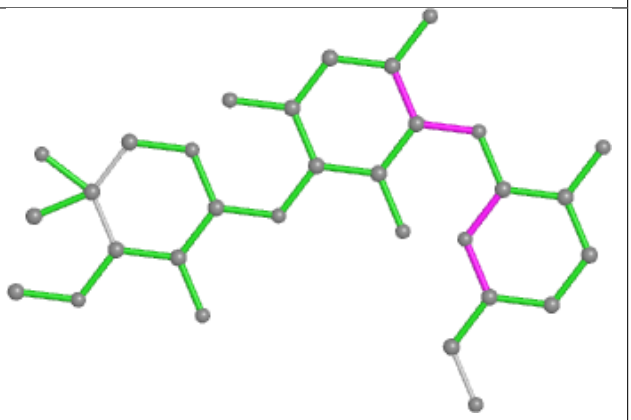


Rings

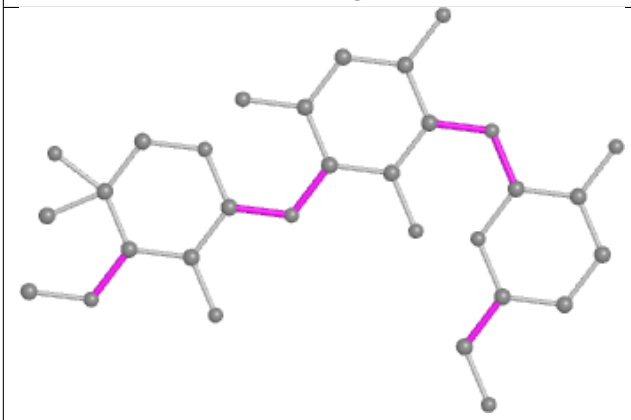
Ligand LLL 5 4151



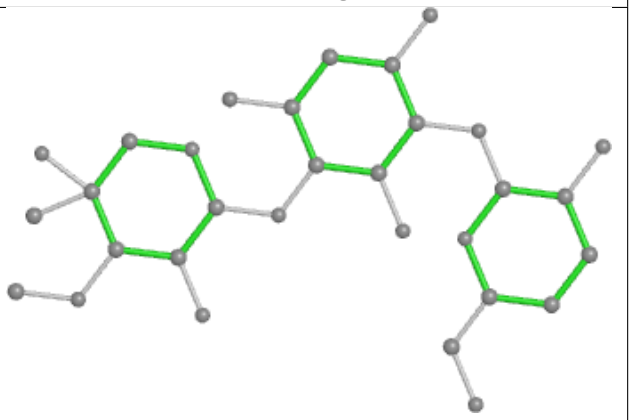
Bond lengths



Bond angles

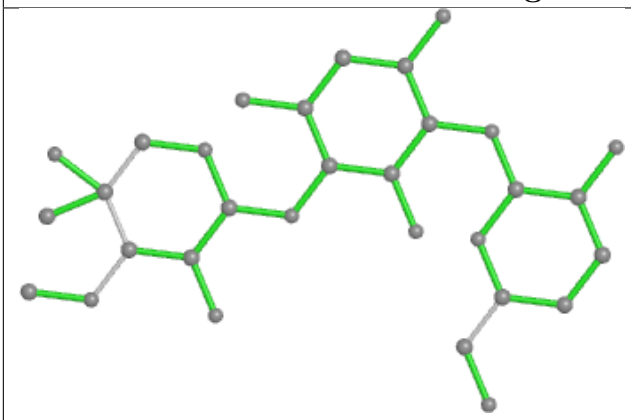


Torsions

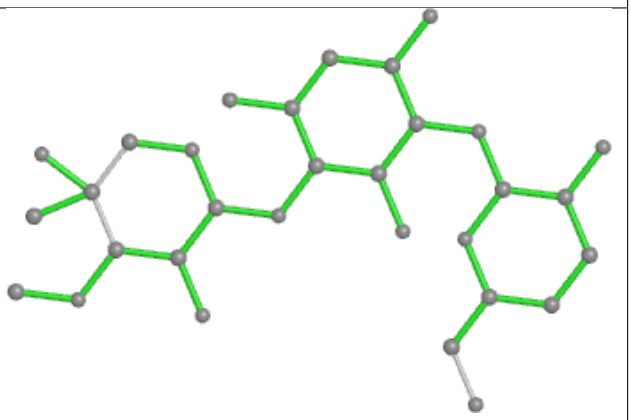


Rings

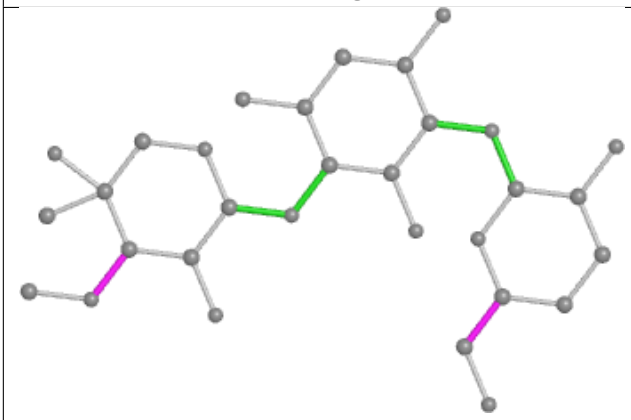
Ligand LLL 5 4154



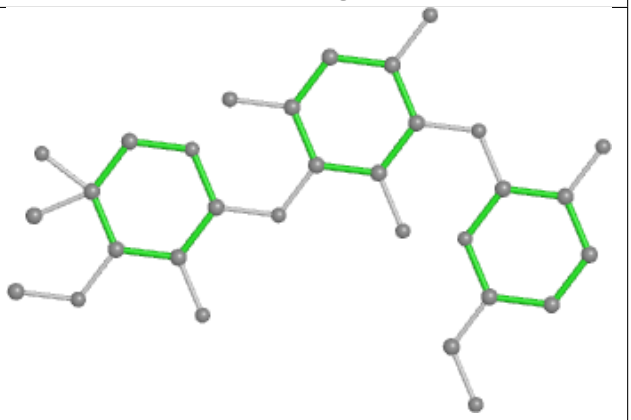
Bond lengths



Bond angles

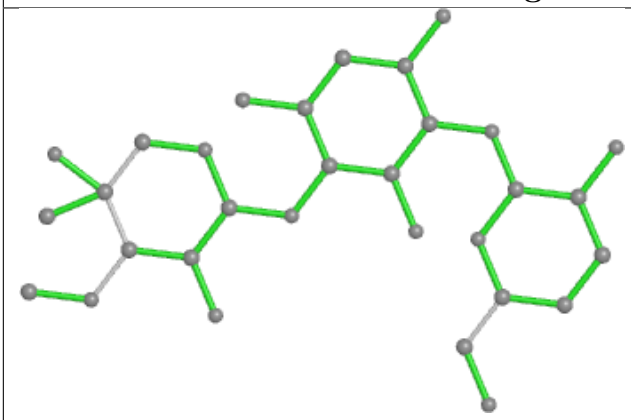


Torsions

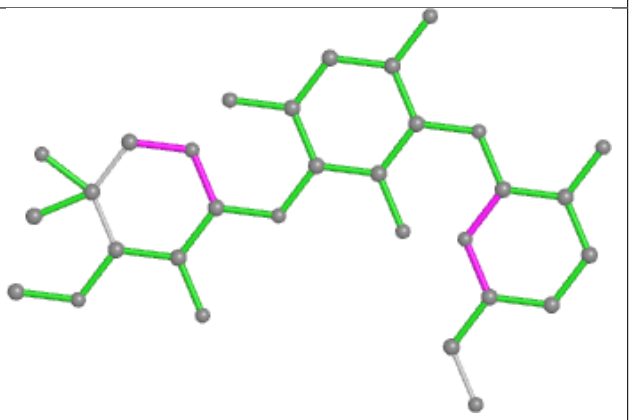


Rings

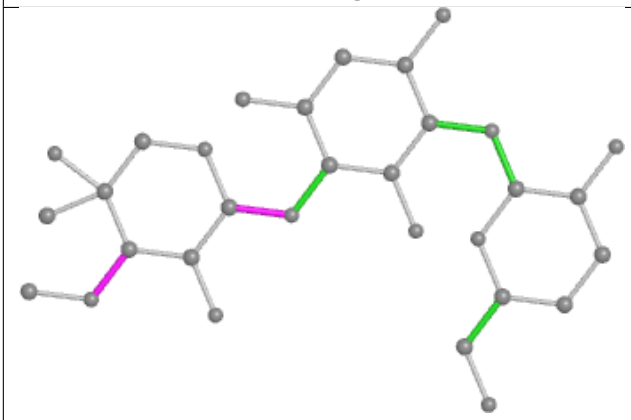
Ligand LLL 1 4001



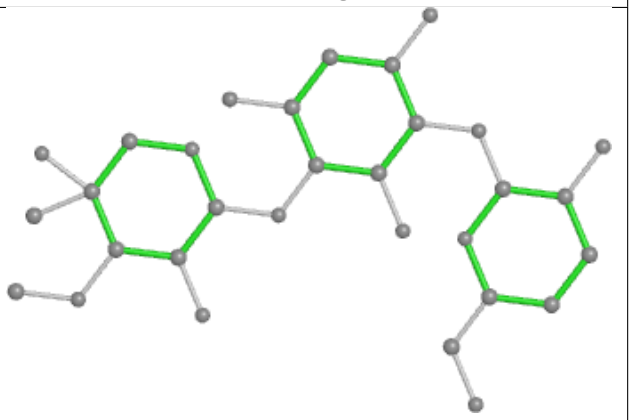
Bond lengths



Bond angles

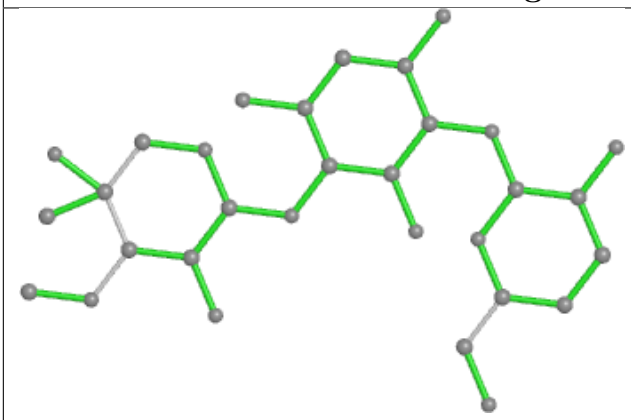


Torsions



Rings

Ligand LLL 6 2171



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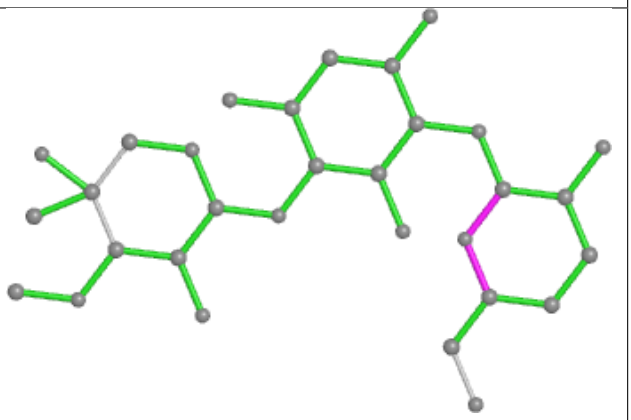
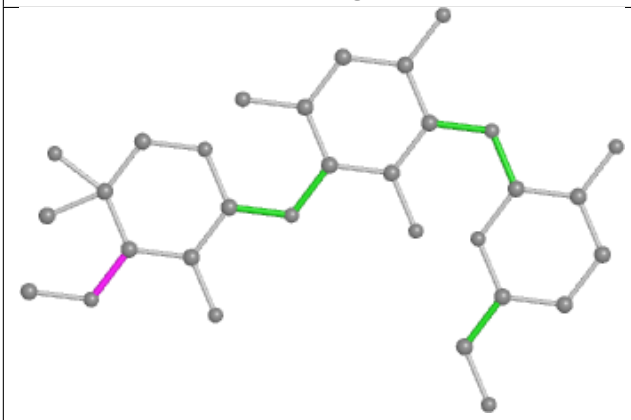
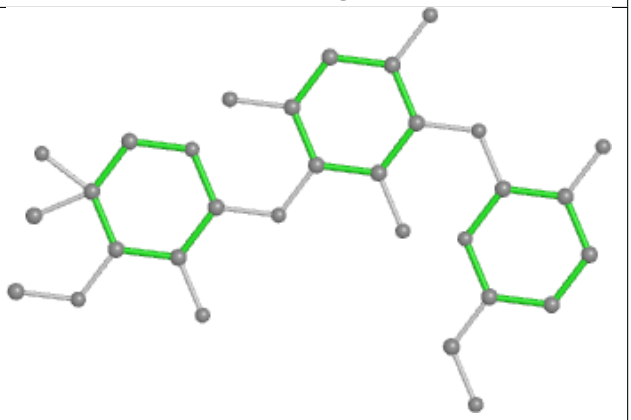


Bond angles

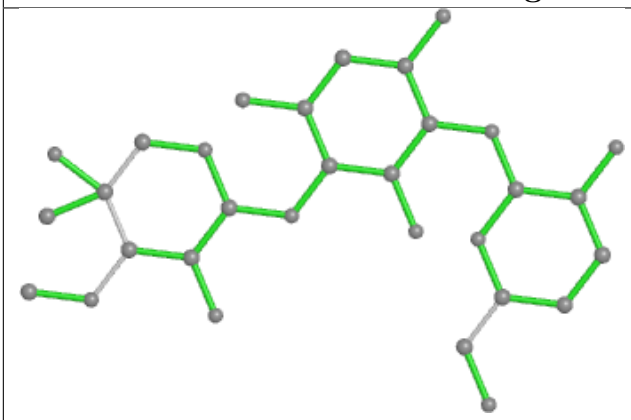


Torsions

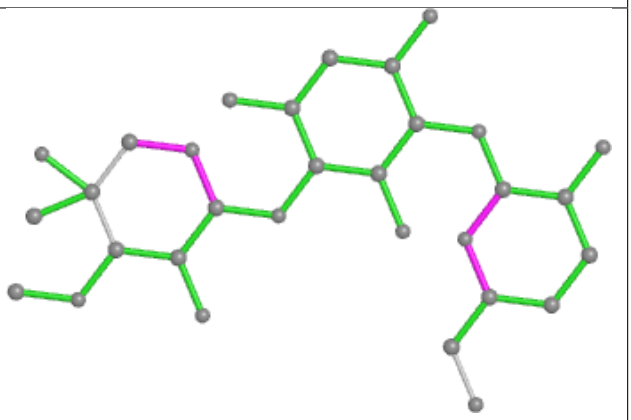


Rings

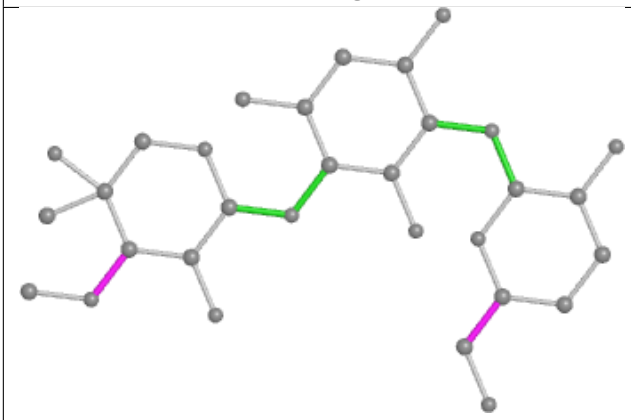
Ligand LLL 6 2170



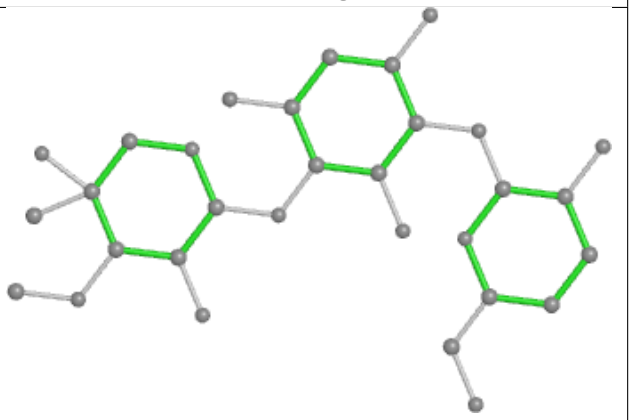
Bond lengths



Bond angles

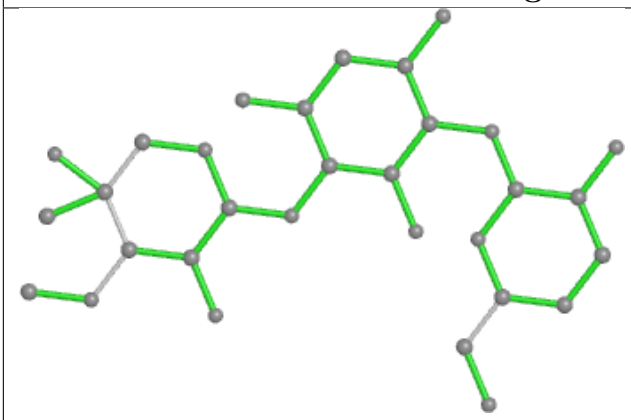


Torsions



Rings

Ligand LLL 5 4167



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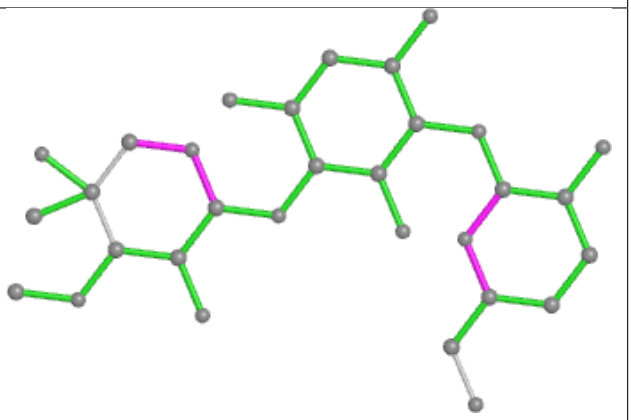
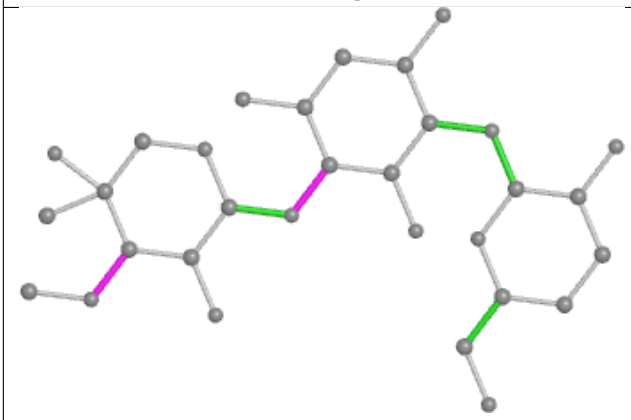


Bond angles



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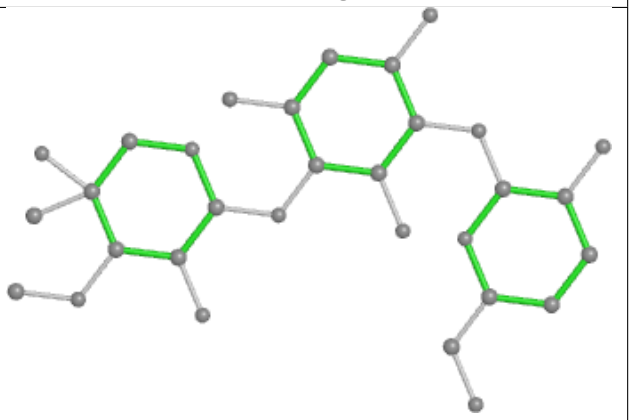
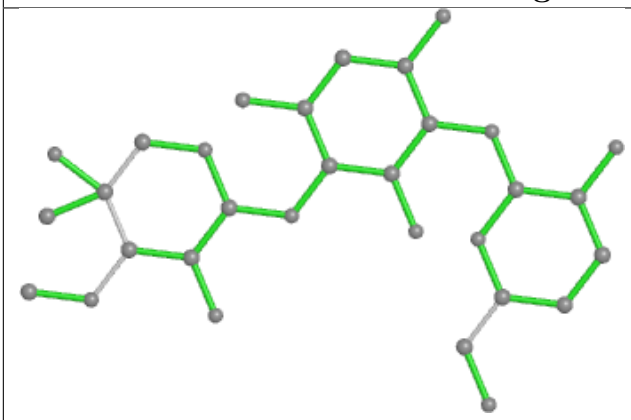


Rings

Ligand LLL 7 231



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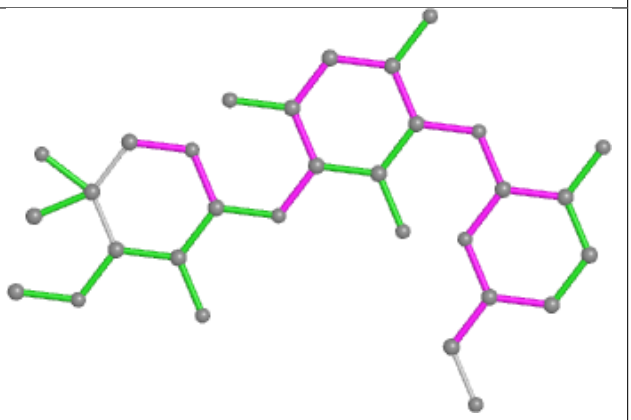
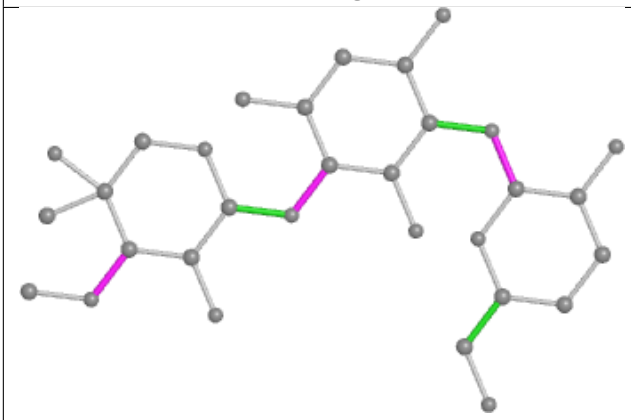
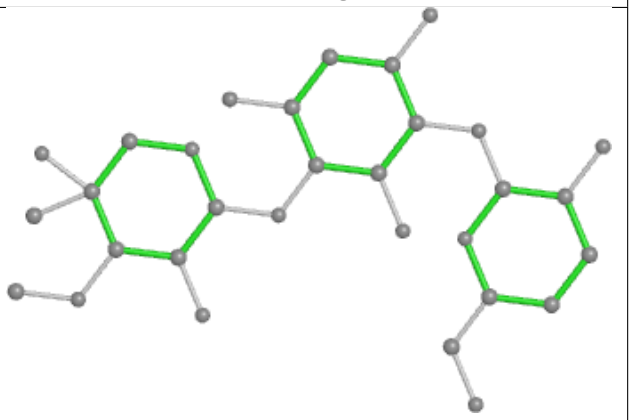


Bond angles

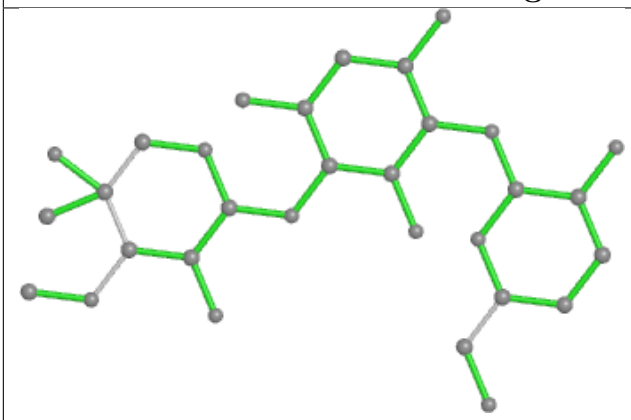


Torsions

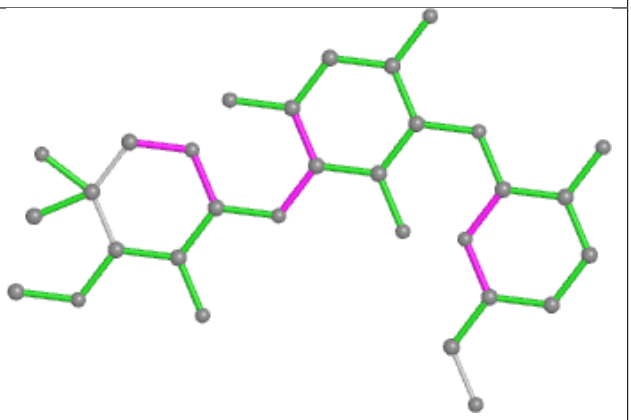


Rings

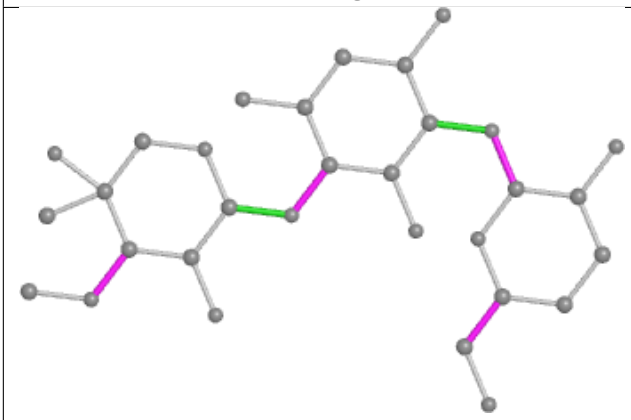
Ligand LLL 1 4003



Bond lengths



Bond angles



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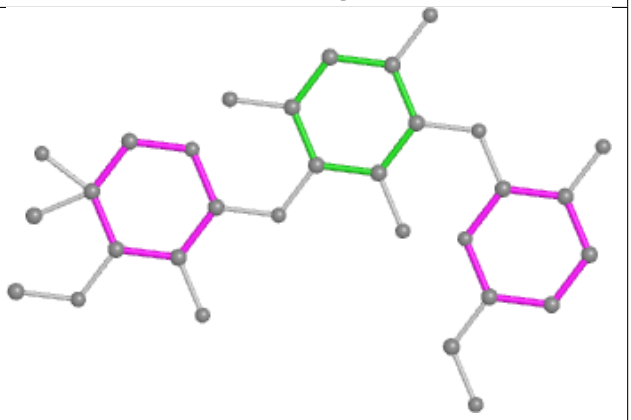
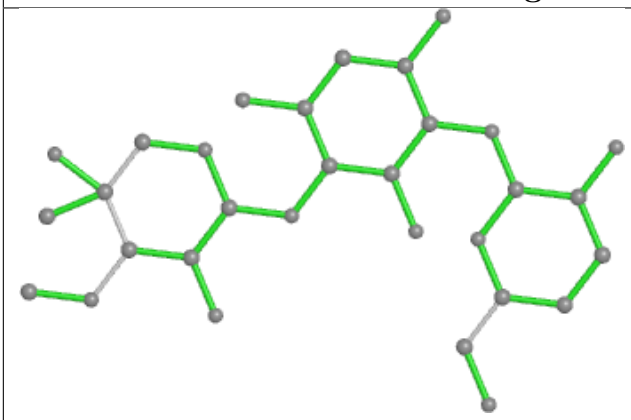


Rings

Ligand LLL 5 4160



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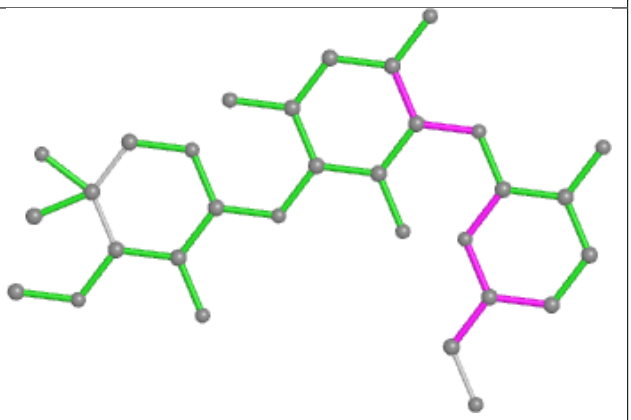
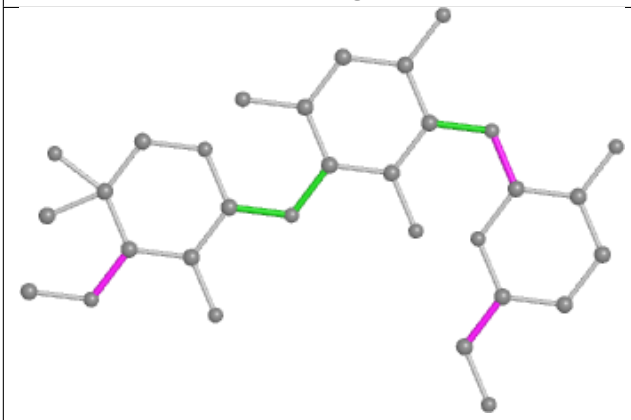


Bond angles



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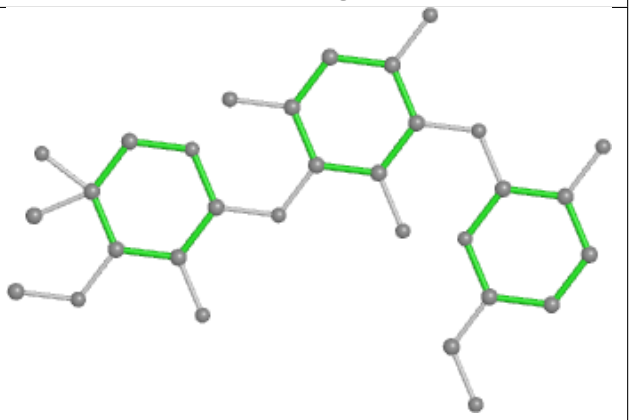
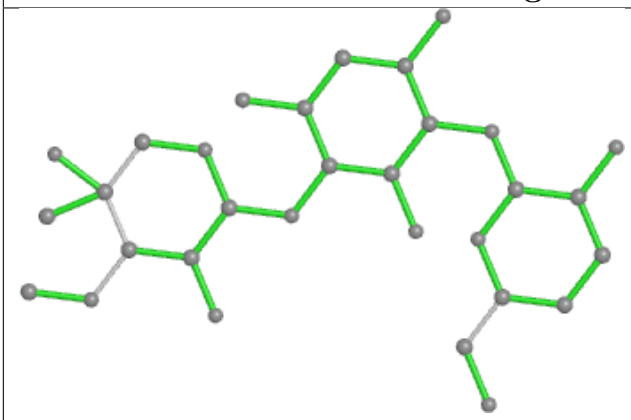
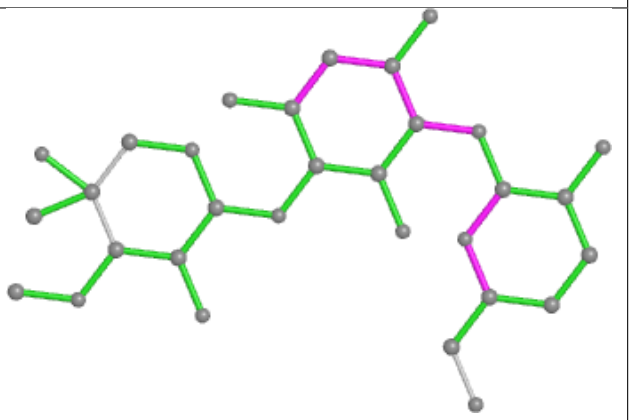


Rings

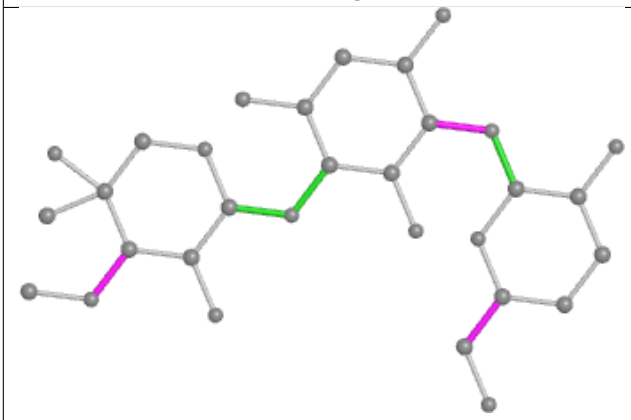
Ligand LLL 6 2166



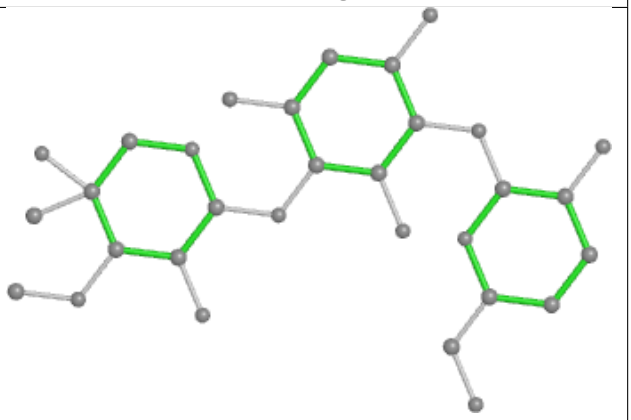
Bond lengths



Bond angles

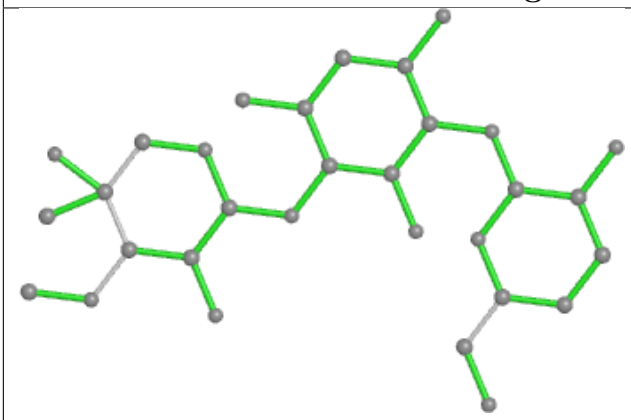


Torsions

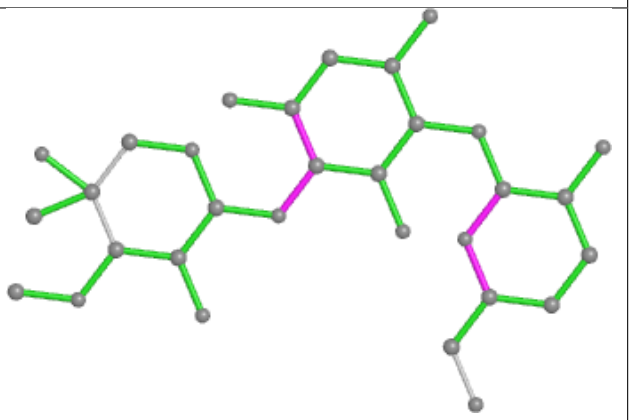


Rings

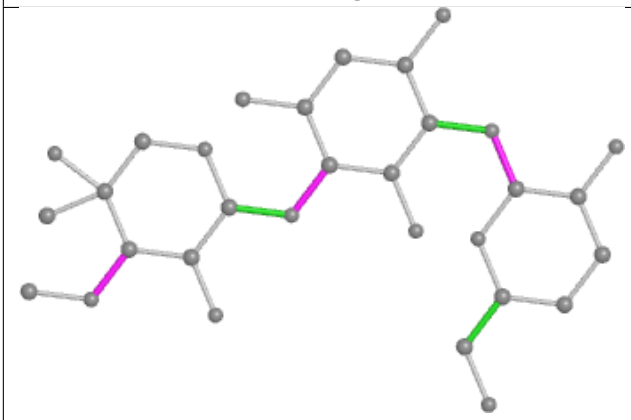
Ligand LLL 6 2165



Bond lengths



Bond angles



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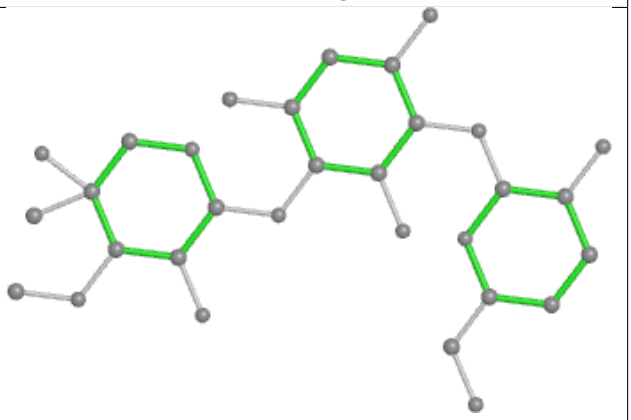
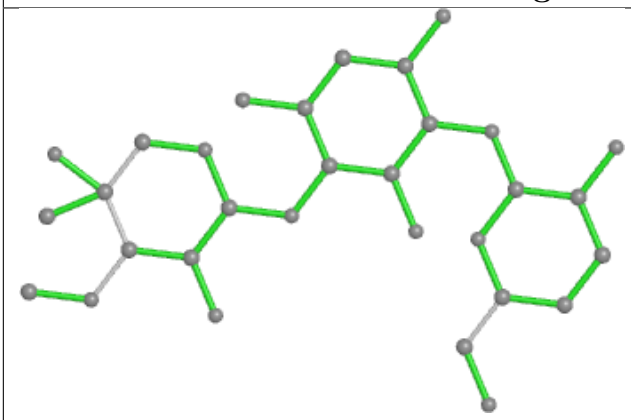


Rings

Ligand LLL 4 224



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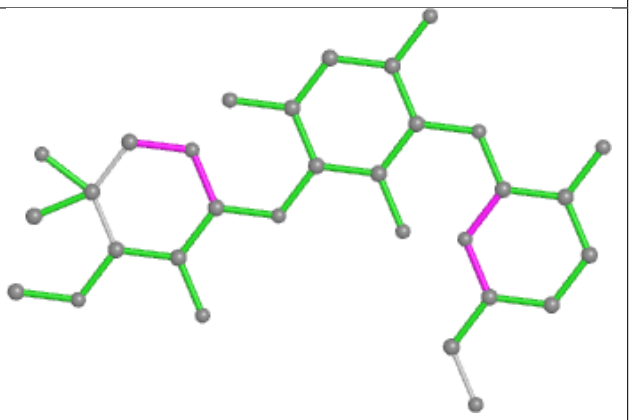
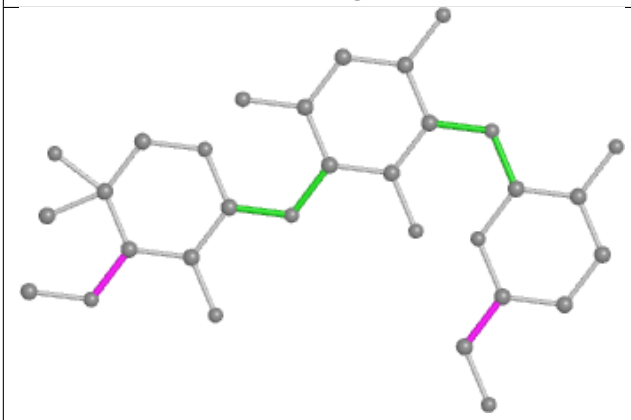


Bond angles



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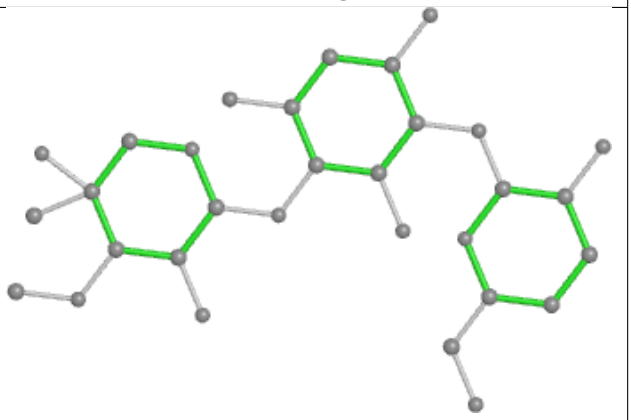
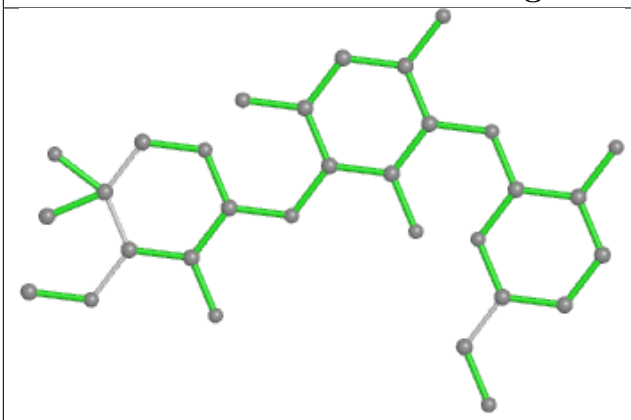
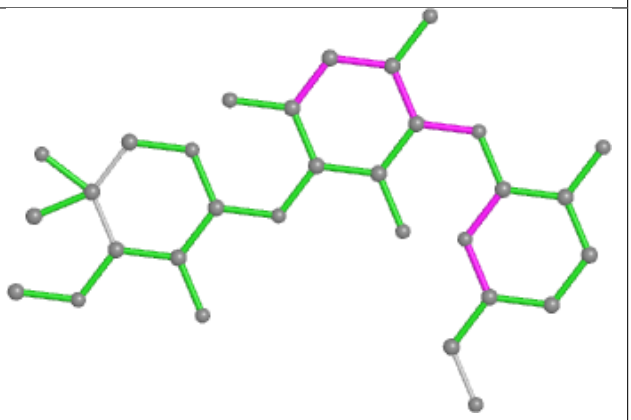


Rings

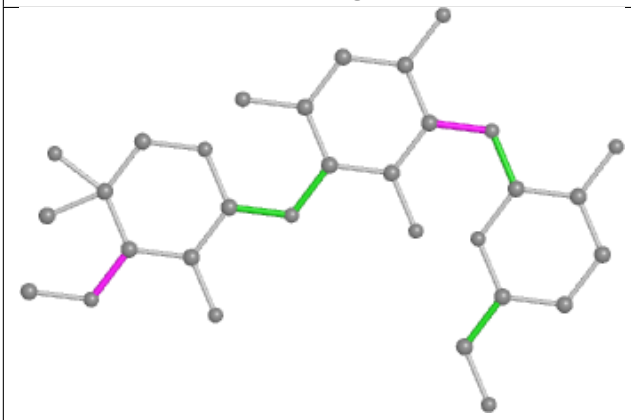
Ligand LLL 5 4176



Bond lengths



Bond angles



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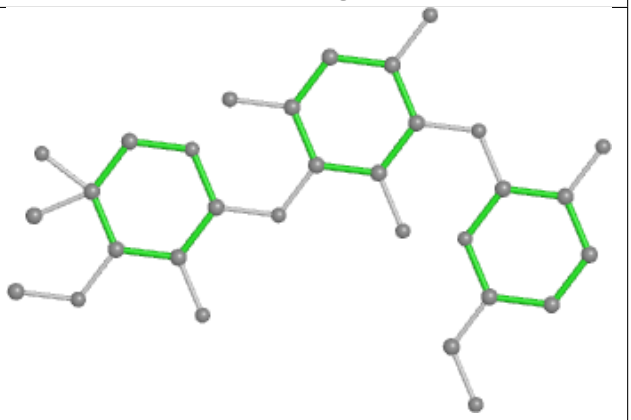
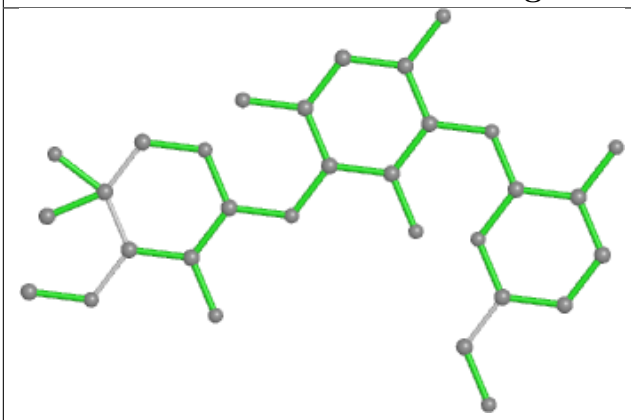
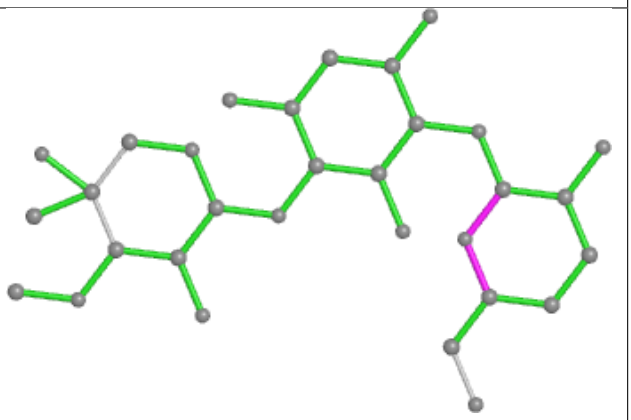


Rings

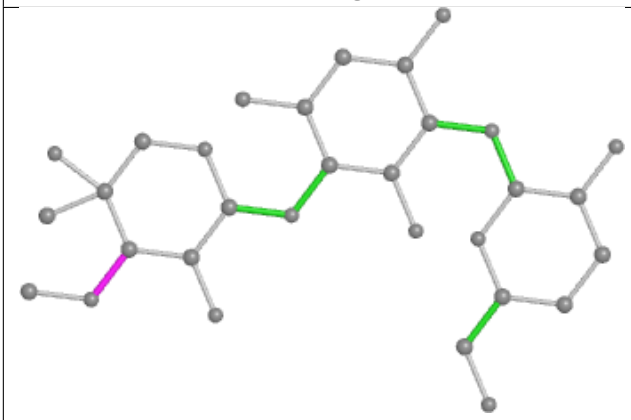
Ligand LLL 5 4178



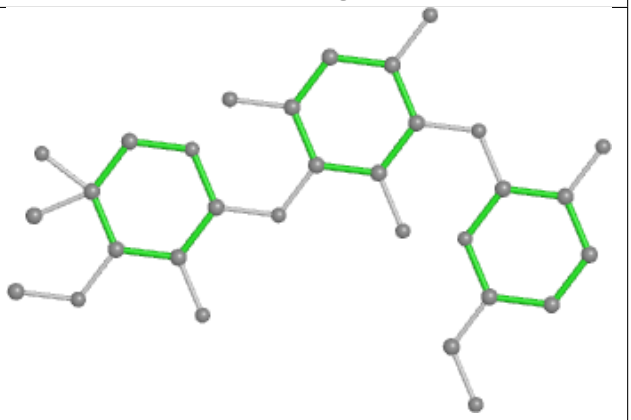
Bond lengths



Bond angles

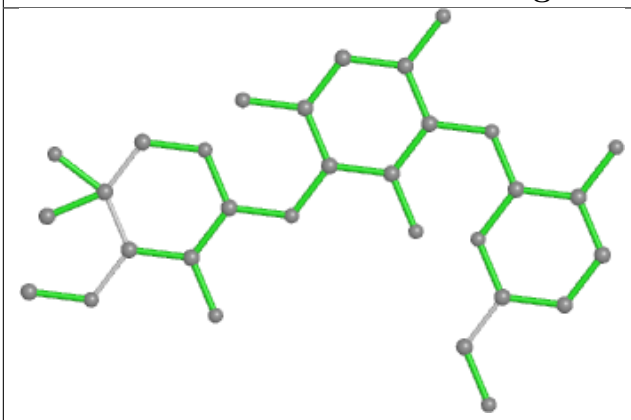


Torsions

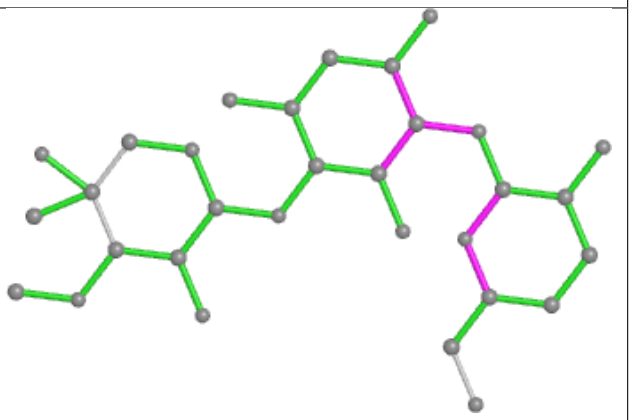


Rings

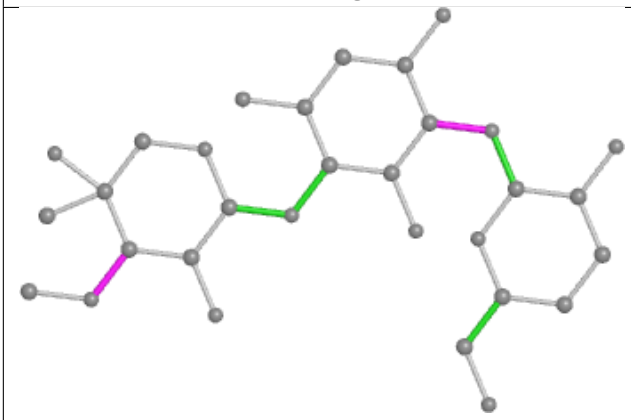
Ligand LLL 3 220



Bond lengths



Bond angles



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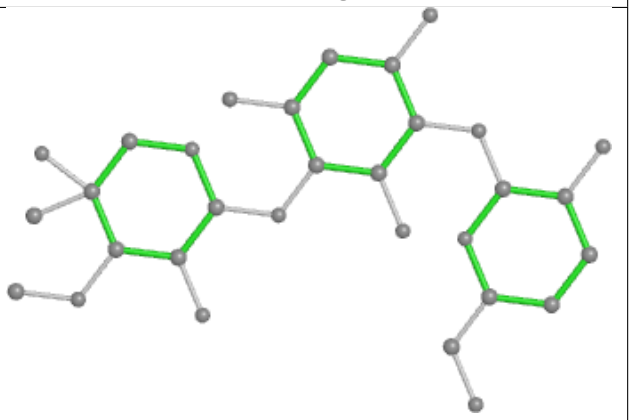
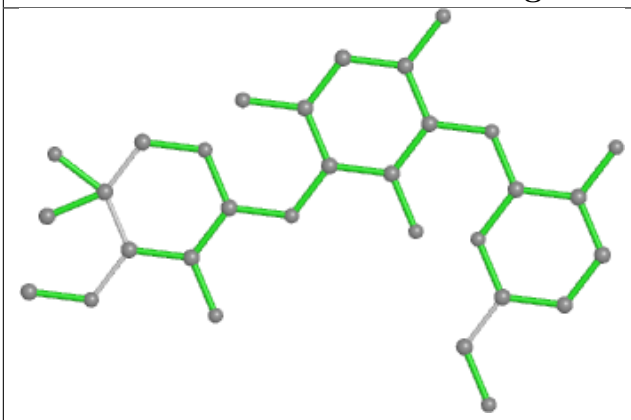
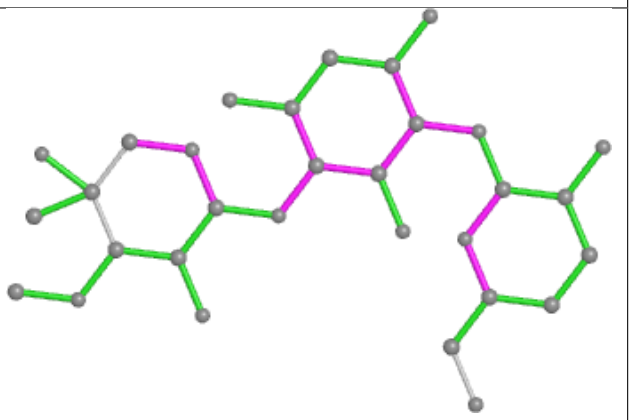


Rings

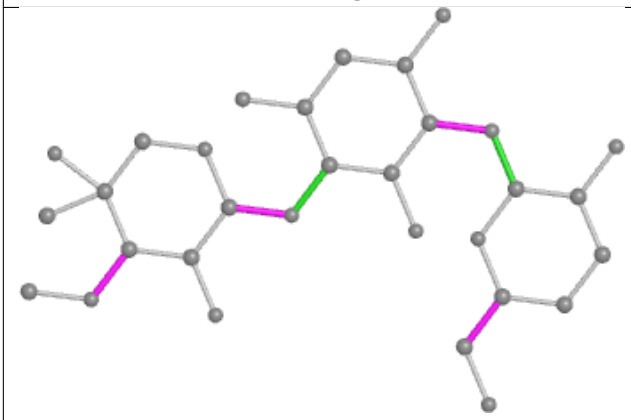
Ligand LLL 5 4158



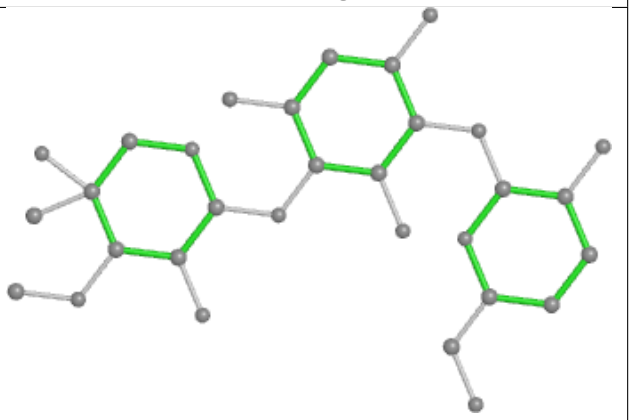
Bond lengths



Bond angles

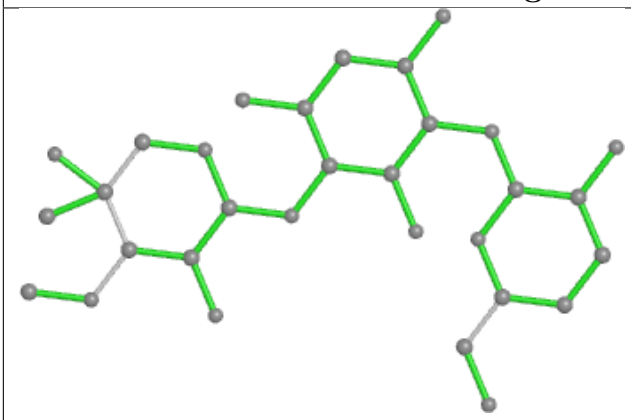


Torsions

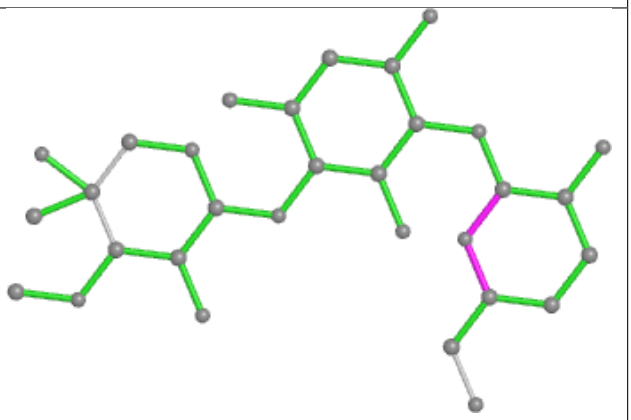


Rings

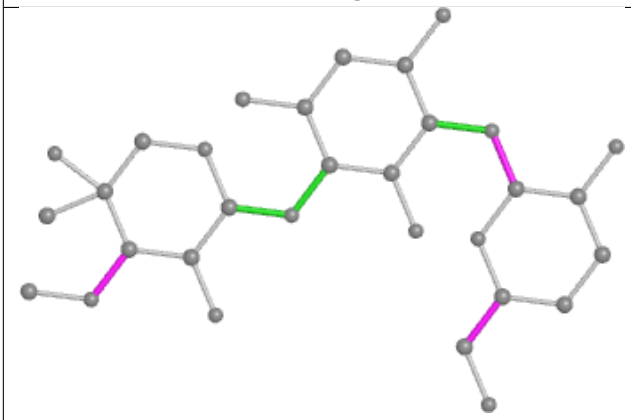
Ligand LLL 5 4162



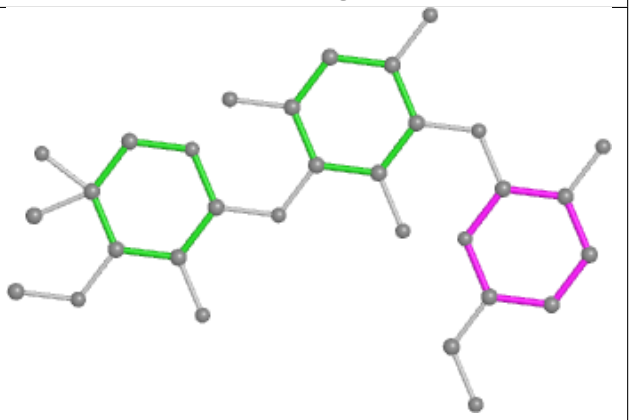
Bond lengths



Bond angles

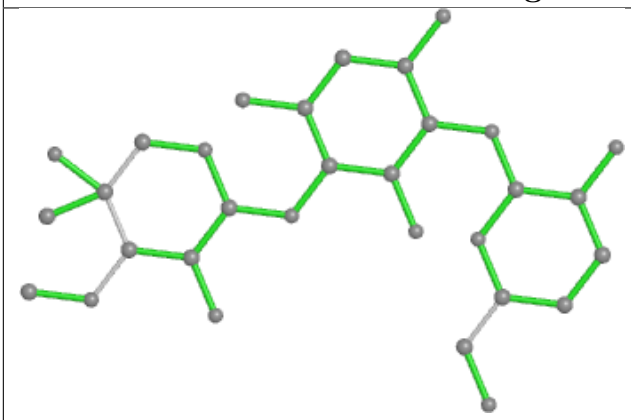


Torsions

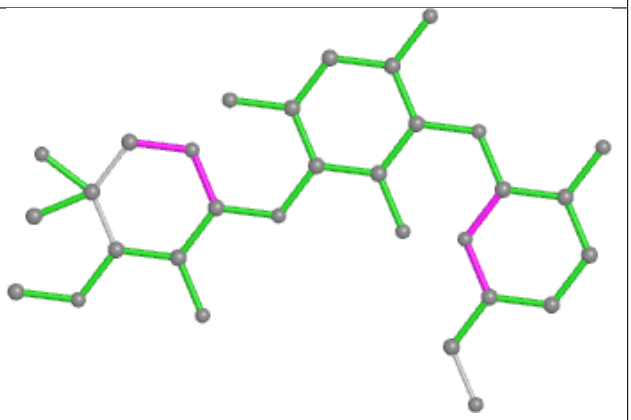


Rings

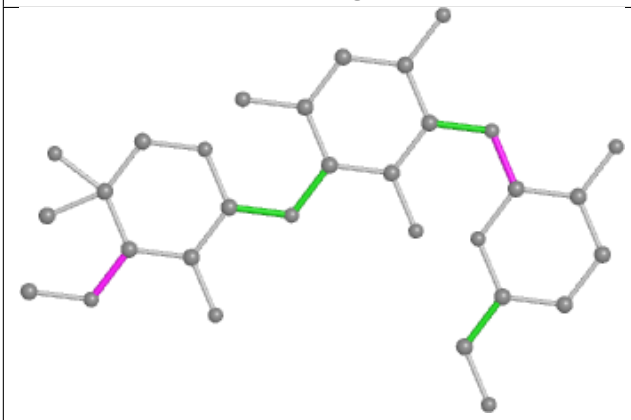
Ligand LLL 6 2164



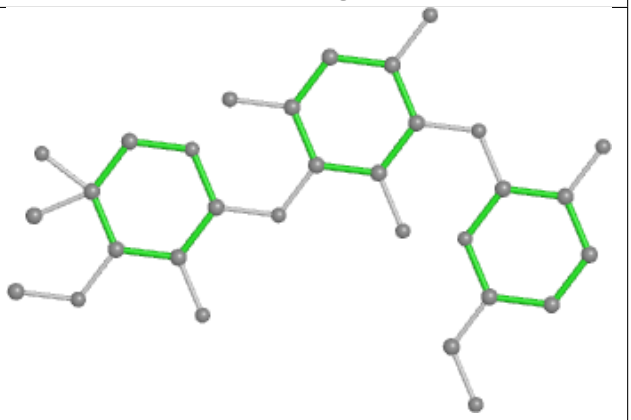
Bond lengths



Bond angles

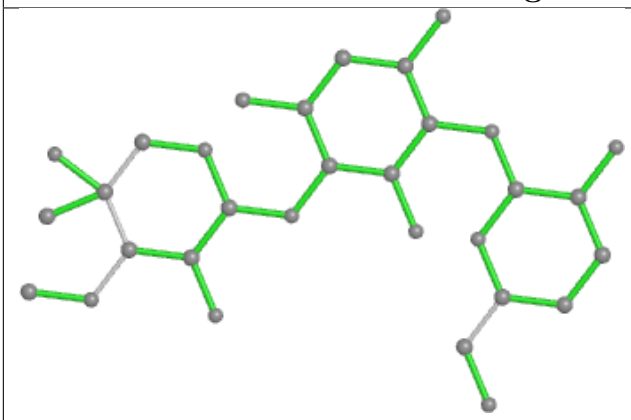


Torsions

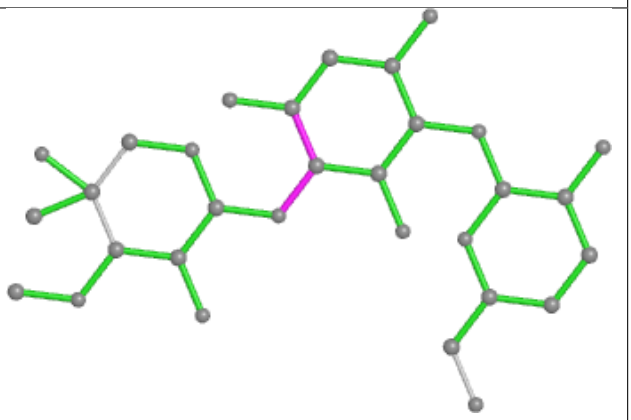


Rings

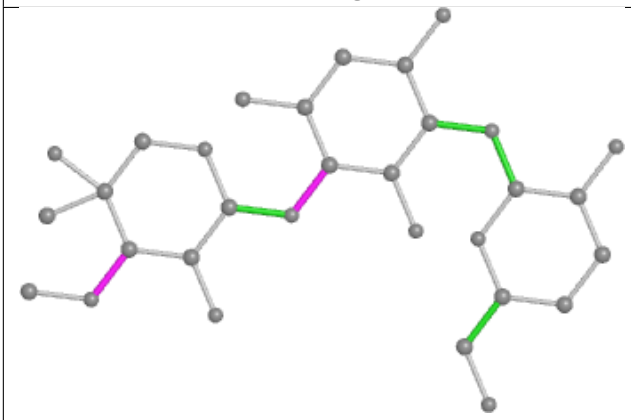
Ligand LLL 1 3998



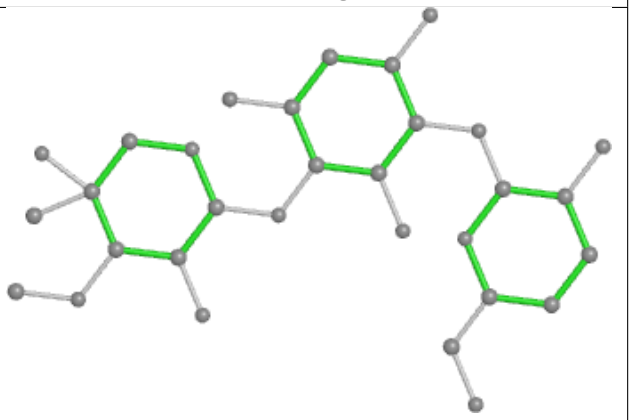
Bond lengths



Bond angles

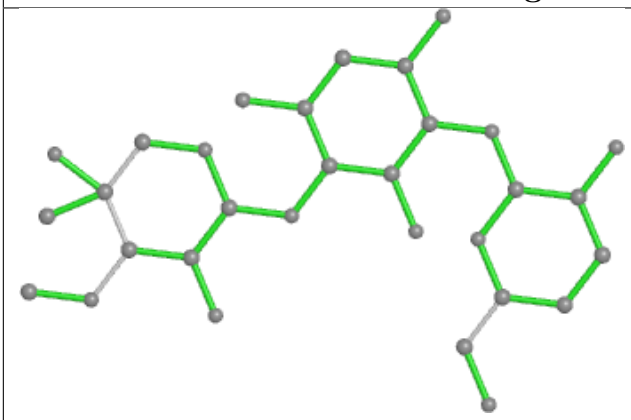


Torsions

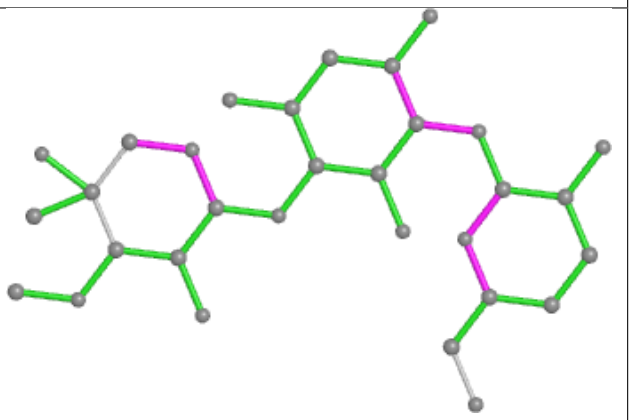


Rings

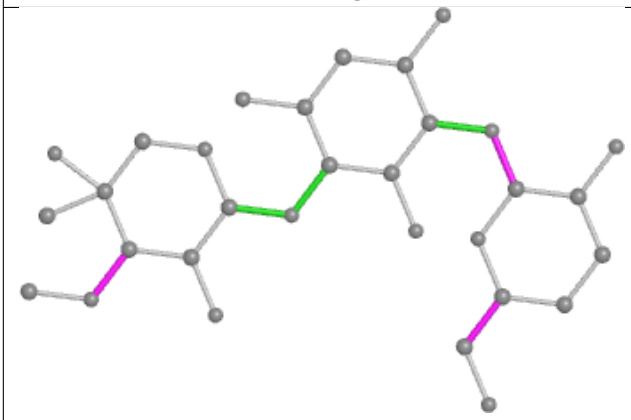
Ligand LLL 1 4002



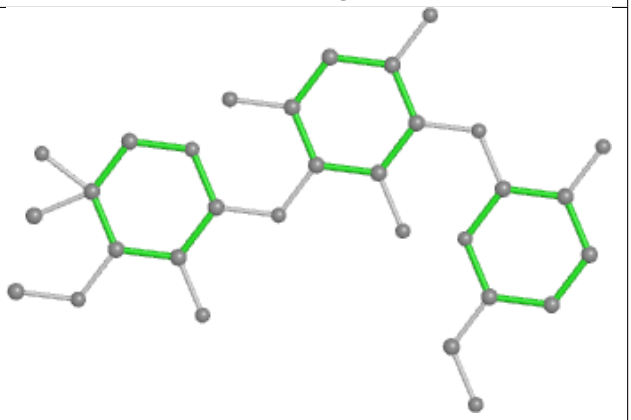
Bond lengths



Bond angles

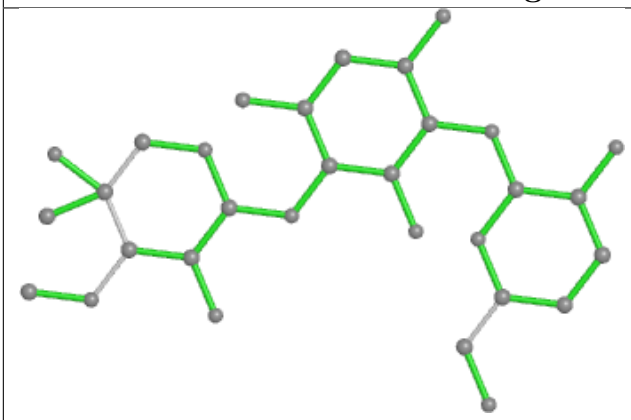


Torsions

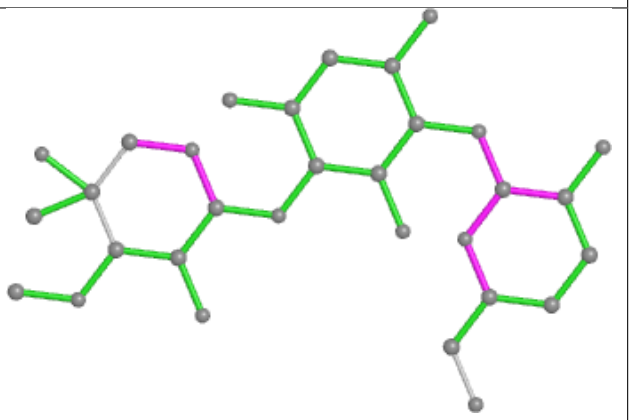


Rings

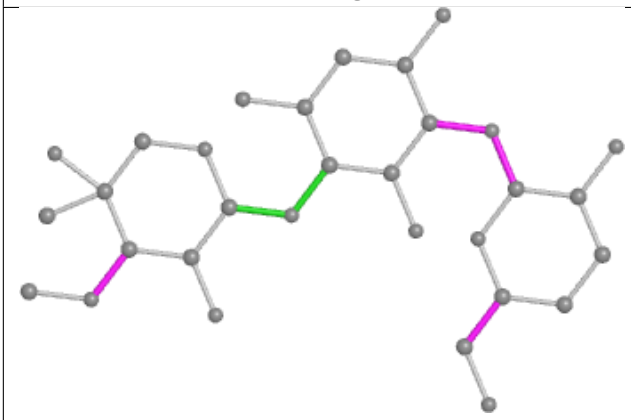
Ligand LLL 5 4172



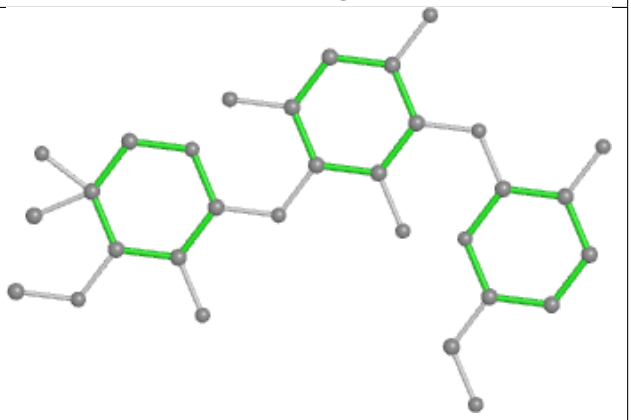
Bond lengths



Bond angles

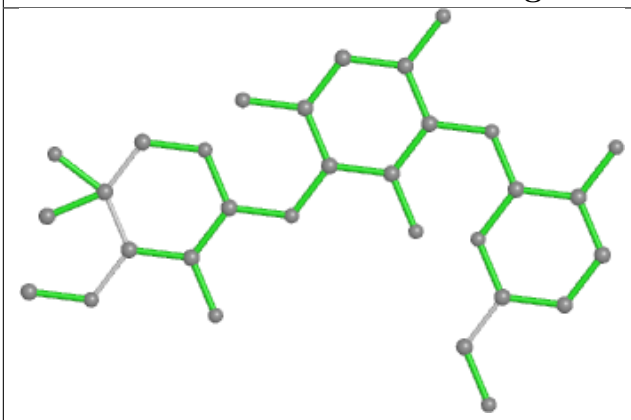


Torsions

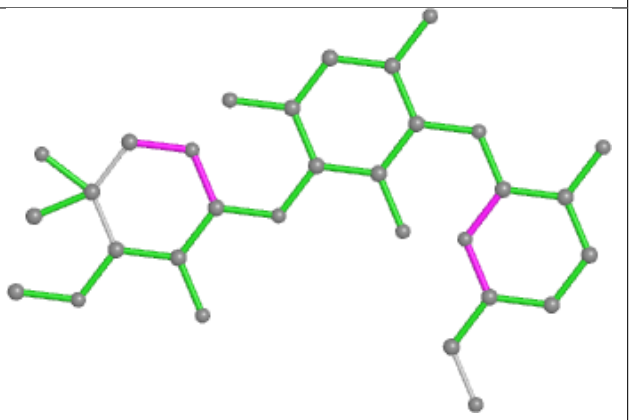


Rings

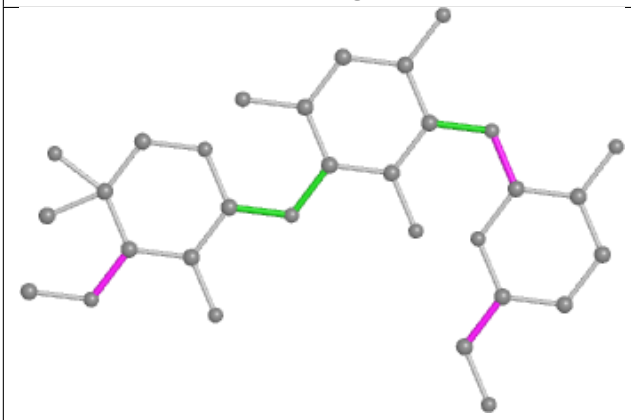
Ligand LLL 6 2172



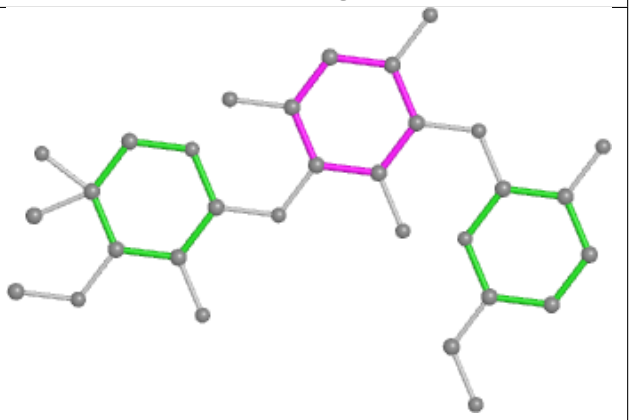
Bond lengths



Bond angles

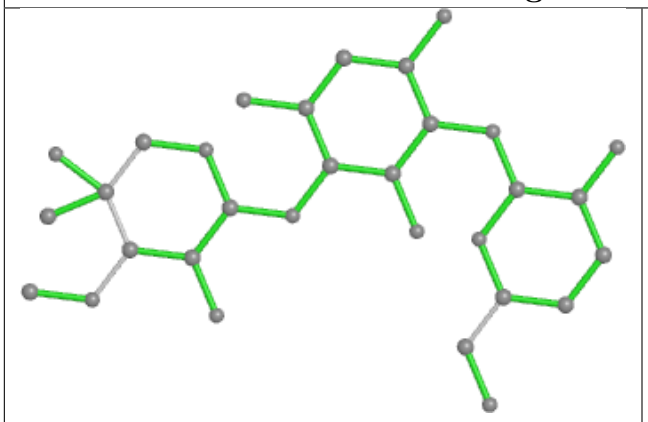


Torsions

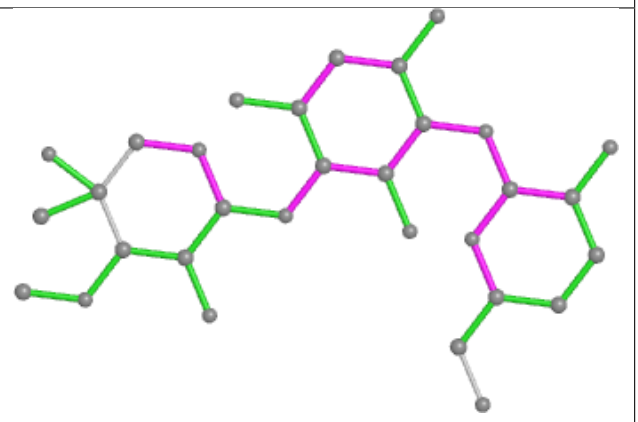


Rings

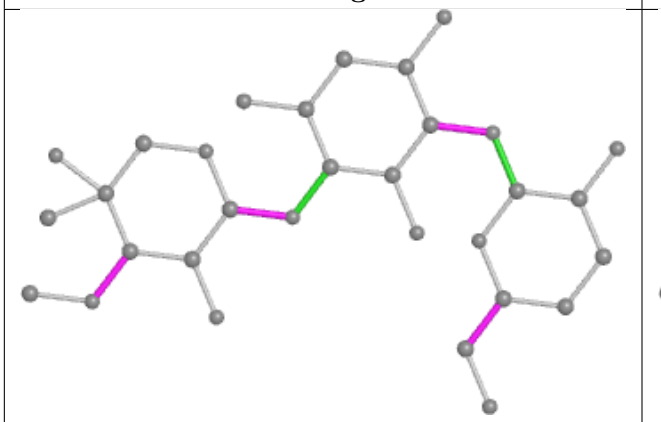
Ligand LLL 5 4177



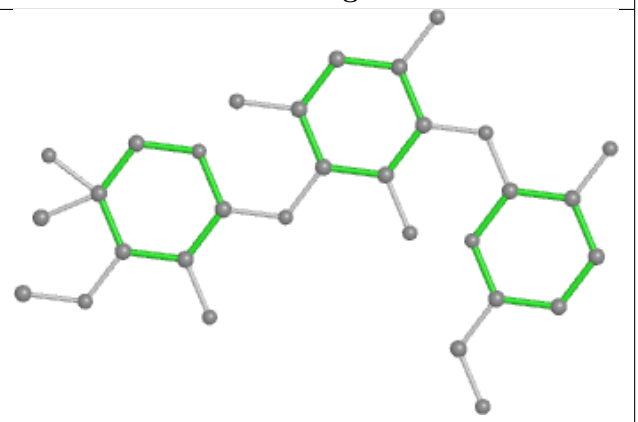
Bond lengths



Bond angles

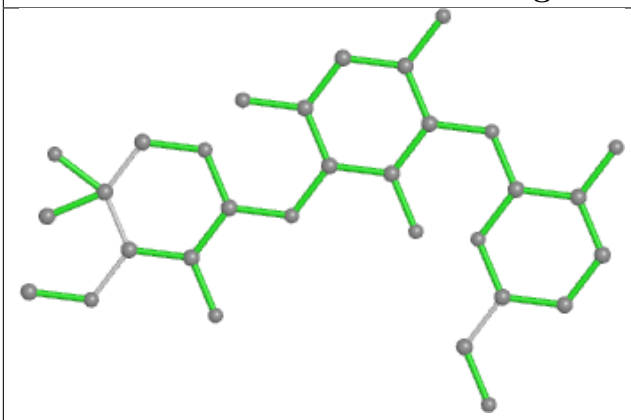


Torsions

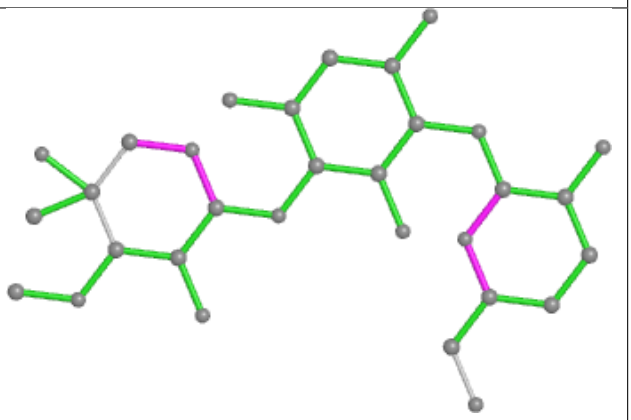


Rings

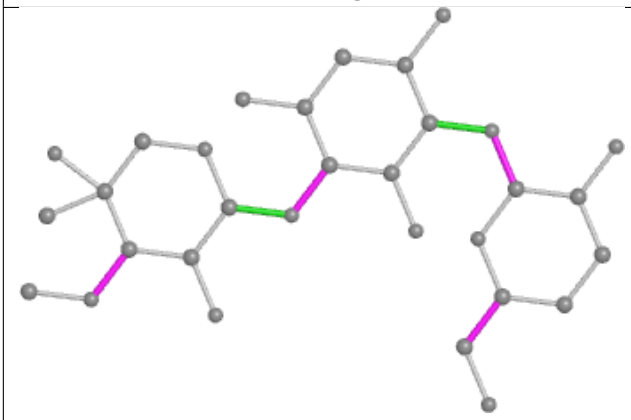
Ligand LLL 8 221



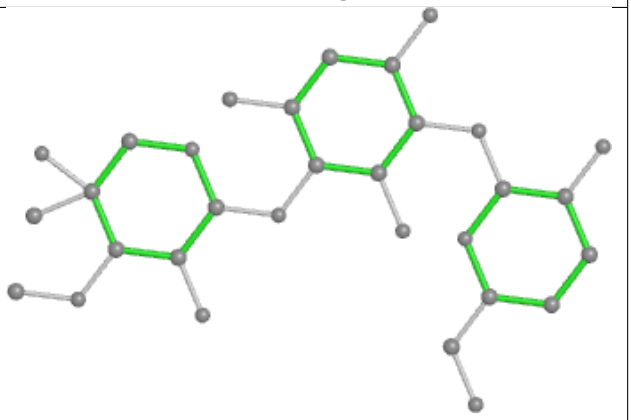
Bond lengths



Bond angles

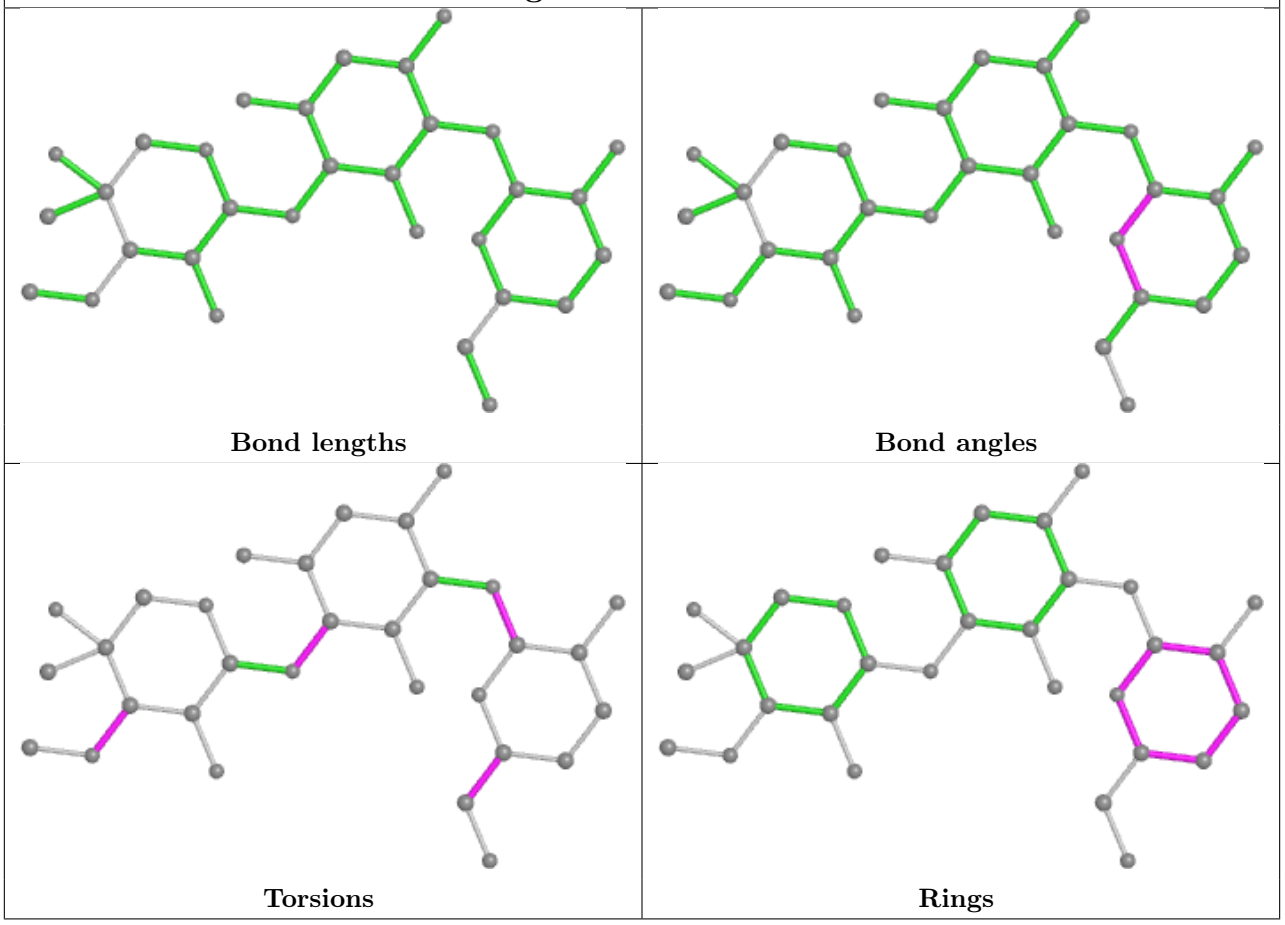


Torsions



Rings

Ligand LLL 5 4155



5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
80	m2	2
51	S5	1
10	l8	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	m2	23:UNK	C	28:UNK	N	6.26
1	m2	52:UNK	C	54:UNK	N	3.26

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	S5	21:THR	C	22:PRO	N	1.72
1	l8	51:LYS	C	52:TRP	N	1.16

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, 95^{th} 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	1	3100/3396 (91%)	0.02	23 (0%) 87 87	47, 83, 190, 354	0
1	5	3134/3396 (92%)	0.06	13 (0%) 92 92	37, 76, 173, 292	0
2	3	121/121 (100%)	-0.29	0 100 100	58, 107, 135, 155	0
2	7	121/121 (100%)	-0.24	0 100 100	45, 72, 94, 160	0
3	4	156/158 (98%)	-0.02	0 100 100	54, 94, 152, 260	0
3	8	158/158 (100%)	0.02	0 100 100	61, 102, 164, 234	0
4	L2	252/252 (100%)	0.40	7 (2%) 53 51	51, 88, 124, 174	0
4	l2	252/252 (100%)	0.48	6 (2%) 59 57	51, 84, 121, 177	0
5	L3	386/386 (100%)	0.22	3 (0%) 86 85	41, 77, 104, 170	0
5	l3	386/386 (100%)	0.08	1 (0%) 94 93	34, 60, 91, 165	0
6	L4	361/361 (100%)	0.19	0 100 100	45, 85, 119, 142	0
6	l4	361/361 (100%)	0.23	6 (1%) 70 68	44, 90, 128, 167	0
7	L5	296/296 (100%)	0.59	22 (7%) 14 16	74, 120, 162, 214	0
7	l5	294/296 (99%)	0.21	5 (1%) 70 68	51, 80, 124, 155	0
8	L6	156/176 (88%)	0.14	1 (0%) 89 89	61, 84, 119, 149	0
8	l6	157/176 (89%)	0.18	1 (0%) 89 89	53, 81, 129, 204	0
9	L7	222/223 (99%)	0.14	3 (1%) 75 74	47, 76, 119, 219	0
9	l7	223/223 (100%)	0.03	0 100 100	39, 66, 123, 205	0
10	L8	233/233 (100%)	0.96	32 (13%) 3 3	96, 131, 183, 250	0
10	l8	231/233 (99%)	0.95	38 (16%) 1 2	96, 137, 184, 229	0
11	L9	191/191 (100%)	0.35	6 (3%) 49 48	60, 91, 121, 162	0
11	l9	191/191 (100%)	0.00	1 (0%) 91 90	41, 60, 92, 148	0
12	M0	212/221 (95%)	0.34	7 (3%) 46 45	52, 84, 129, 242	0
12	m0	211/221 (95%)	0.24	4 (1%) 66 65	32, 65, 120, 192	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	M1	169/169 (100%)	1.06	32 (18%) 1 1	88, 124, 153, 166	0
13	m1	169/169 (100%)	0.16	1 (0%) 89 89	51, 77, 104, 125	0
14	M3	193/194 (99%)	0.55	12 (6%) 20 21	55, 102, 161, 213	0
14	m3	194/194 (100%)	0.59	16 (8%) 11 13	53, 113, 167, 220	0
15	M4	136/137 (99%)	0.25	2 (1%) 73 72	61, 88, 115, 151	0
15	m4	137/137 (100%)	-0.10	1 (0%) 87 87	45, 67, 96, 170	0
16	M5	203/203 (100%)	0.79	19 (9%) 8 10	52, 88, 116, 130	0
16	m5	203/203 (100%)	0.88	19 (9%) 8 10	58, 97, 120, 136	0
17	M6	197/197 (100%)	0.14	1 (0%) 91 90	45, 64, 104, 140	0
17	m6	197/197 (100%)	-0.08	0 100 100	34, 50, 93, 123	0
18	M7	183/184 (99%)	0.91	25 (13%) 3 3	50, 70, 209, 262	0
18	m7	155/184 (84%)	0.12	1 (0%) 89 89	49, 67, 96, 136	0
19	M8	185/185 (100%)	0.48	3 (1%) 72 70	62, 83, 102, 160	0
19	m8	185/185 (100%)	0.42	3 (1%) 72 70	47, 83, 108, 135	0
20	M9	182/188 (96%)	0.42	7 (3%) 40 39	77, 106, 198, 250	0
20	m9	188/188 (100%)	0.46	11 (5%) 22 23	63, 95, 190, 264	0
21	N0	172/172 (100%)	0.56	12 (6%) 16 18	59, 80, 108, 150	0
21	n0	172/172 (100%)	0.08	2 (1%) 79 77	40, 57, 88, 123	0
22	N1	159/159 (100%)	0.53	8 (5%) 28 29	56, 84, 149, 195	0
22	n1	159/159 (100%)	0.32	5 (3%) 49 48	43, 68, 130, 165	0
23	N2	100/100 (100%)	0.79	14 (14%) 2 3	115, 150, 198, 212	0
23	n2	98/100 (98%)	1.42	26 (26%) 0 0	92, 136, 165, 200	0
24	N3	136/136 (100%)	0.41	4 (2%) 51 50	47, 75, 111, 159	0
24	n3	136/136 (100%)	0.44	2 (1%) 73 72	34, 55, 87, 130	0
25	N4	98/155 (63%)	1.76	27 (27%) 0 0	67, 97, 245, 294	0
26	N5	121/121 (100%)	0.92	12 (9%) 7 8	76, 107, 137, 228	0
26	n5	120/121 (99%)	0.69	9 (7%) 14 16	73, 116, 150, 171	0
27	N6	126/126 (100%)	0.98	15 (11%) 4 5	60, 96, 132, 163	0
27	n6	126/126 (100%)	0.73	11 (8%) 10 12	75, 110, 146, 183	0
28	N7	135/135 (100%)	2.24	70 (51%) 0 0	114, 145, 176, 223	0
28	n7	135/135 (100%)	1.48	36 (26%) 0 0	106, 144, 172, 207	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
29	N8	148/148 (100%)	0.74	21 (14%) 2 3	46, 84, 125, 154	0
29	n8	148/148 (100%)	0.40	6 (4%) 37 36	46, 85, 128, 156	0
30	N9	58/58 (100%)	0.75	8 (13%) 2 3	50, 90, 159, 165	0
30	n9	58/58 (100%)	0.36	1 (1%) 70 68	43, 87, 136, 176	0
31	O0	97/100 (97%)	0.79	13 (13%) 3 4	96, 132, 178, 188	0
31	o0	100/100 (100%)	0.61	8 (8%) 12 13	93, 124, 178, 229	0
32	O1	109/109 (100%)	1.04	12 (11%) 5 6	65, 92, 156, 210	0
32	o1	109/109 (100%)	0.58	5 (4%) 32 32	57, 80, 146, 186	0
33	O2	127/127 (100%)	0.14	3 (2%) 59 57	42, 67, 95, 128	0
33	o2	127/127 (100%)	0.13	1 (0%) 86 85	42, 76, 105, 157	0
34	O3	106/106 (100%)	0.11	0 100 100	51, 68, 106, 147	0
34	o3	106/106 (100%)	0.07	0 100 100	41, 60, 94, 133	0
35	O4	112/112 (100%)	0.85	15 (13%) 3 4	73, 114, 163, 223	0
35	o4	112/112 (100%)	0.60	8 (7%) 16 18	69, 104, 163, 198	0
36	O5	119/119 (100%)	0.61	5 (4%) 36 35	81, 111, 140, 163	0
36	o5	119/119 (100%)	0.60	5 (4%) 36 35	78, 123, 152, 162	0
37	O6	99/99 (100%)	0.44	7 (7%) 16 18	85, 111, 160, 197	0
37	o6	99/99 (100%)	0.88	15 (15%) 2 2	89, 117, 162, 193	0
38	O7	87/87 (100%)	0.32	2 (2%) 60 59	56, 76, 125, 211	0
38	o7	87/87 (100%)	0.47	2 (2%) 60 59	54, 82, 153, 163	0
39	O8	77/77 (100%)	0.79	9 (11%) 4 5	114, 147, 172, 230	0
39	o8	77/77 (100%)	1.37	22 (28%) 0 0	106, 136, 170, 181	0
40	O9	50/50 (100%)	0.50	2 (4%) 38 37	63, 84, 106, 116	0
40	o9	50/50 (100%)	0.48	1 (2%) 65 64	70, 91, 106, 108	0
41	Q0	52/52 (100%)	0.81	6 (11%) 4 5	61, 79, 108, 126	0
41	q0	52/52 (100%)	0.14	0 100 100	37, 51, 72, 118	0
42	Q1	25/25 (100%)	0.49	0 100 100	71, 84, 102, 104	0
42	q1	25/25 (100%)	-0.03	0 100 100	55, 70, 90, 100	0
43	Q2	105/105 (100%)	0.72	11 (10%) 6 7	59, 84, 123, 165	0
43	q2	105/105 (100%)	0.19	1 (0%) 82 81	45, 74, 105, 179	0
44	Q3	91/91 (100%)	0.26	2 (2%) 62 60	54, 96, 128, 162	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	q3	91/91 (100%)	0.25	0 100 100	44, 85, 112, 130	0
45	2	1712/1800 (95%)	-0.02	23 (1%) 77 76	70, 132, 242, 320	0
45	6	1739/1800 (96%)	-0.05	22 (1%) 77 76	49, 95, 249, 344	0
46	S0	206/206 (100%)	1.38	57 (27%) 0 0	109, 161, 224, 271	0
46	s0	206/206 (100%)	0.54	10 (4%) 29 29	81, 124, 166, 215	0
47	S1	214/216 (99%)	1.07	47 (21%) 0 1	114, 173, 227, 252	0
47	s1	216/216 (100%)	0.59	18 (8%) 11 13	81, 117, 159, 193	0
48	S2	217/217 (100%)	0.89	31 (14%) 2 3	84, 130, 171, 200	0
48	s2	217/217 (100%)	0.49	12 (5%) 25 25	71, 104, 138, 174	0
49	S3	223/223 (100%)	1.21	48 (21%) 0 1	82, 139, 193, 260	0
49	s3	223/223 (100%)	0.89	29 (13%) 3 4	78, 116, 163, 223	0
50	S4	260/260 (100%)	1.46	84 (32%) 0 0	97, 142, 169, 225	0
50	s4	260/260 (100%)	0.86	38 (14%) 2 3	72, 127, 165, 189	0
51	S5	206/206 (100%)	1.64	56 (27%) 0 0	131, 172, 213, 237	0
51	s5	206/206 (100%)	0.49	13 (6%) 20 21	64, 97, 147, 197	0
52	S6	226/236 (95%)	0.88	30 (13%) 3 4	82, 145, 214, 373	0
52	s6	218/236 (92%)	0.69	18 (8%) 11 13	73, 120, 168, 213	0
53	S7	184/186 (98%)	0.96	29 (15%) 2 2	115, 179, 224, 251	0
53	s7	186/186 (100%)	0.77	21 (11%) 5 6	99, 157, 207, 271	0
54	S8	188/200 (94%)	1.59	64 (34%) 0 0	84, 125, 176, 199	0
54	s8	186/200 (93%)	0.73	20 (10%) 5 7	70, 113, 164, 198	0
55	S9	185/185 (100%)	1.51	59 (31%) 0 0	111, 152, 192, 244	0
55	s9	185/185 (100%)	0.83	20 (10%) 5 7	87, 134, 188, 215	0
56	C0	96/105 (91%)	1.32	25 (26%) 0 0	127, 170, 212, 235	0
56	c0	96/105 (91%)	1.22	21 (21%) 0 1	93, 137, 193, 217	0
57	C1	155/156 (99%)	1.90	61 (39%) 0 0	84, 122, 201, 267	0
57	c1	142/156 (91%)	0.98	14 (9%) 7 8	69, 111, 169, 198	0
58	C2	124/143 (86%)	2.47	62 (50%) 0 0	175, 223, 267, 294	0
58	c2	124/143 (86%)	1.74	51 (41%) 0 0	132, 190, 233, 259	0
59	C3	150/150 (100%)	0.72	12 (8%) 12 13	95, 139, 177, 206	0
59	c3	150/150 (100%)	0.10	2 (1%) 77 76	67, 111, 148, 173	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
60	C4	127/128 (99%)	1.16	37 (29%) 0 0	93, 164, 207, 215	0
60	c4	128/128 (100%)	0.81	11 (8%) 10 12	63, 103, 135, 156	0
61	C5	124/141 (87%)	1.25	35 (28%) 0 0	108, 165, 211, 236	0
61	c5	135/141 (95%)	0.40	7 (5%) 27 27	61, 96, 162, 201	0
62	C6	141/142 (99%)	1.94	56 (39%) 0 0	105, 157, 196, 212	0
62	c6	142/142 (100%)	0.38	4 (2%) 53 51	59, 91, 128, 197	0
63	C7	120/136 (88%)	1.34	31 (25%) 0 0	110, 161, 290, 384	0
63	c7	117/136 (86%)	0.58	8 (6%) 17 19	81, 123, 194, 239	0
64	C8	145/145 (100%)	1.46	51 (35%) 0 0	102, 165, 211, 235	0
64	c8	145/145 (100%)	0.02	2 (1%) 75 74	64, 82, 128, 184	0
65	C9	143/143 (100%)	1.17	31 (21%) 0 1	128, 159, 204, 232	0
65	c9	143/143 (100%)	0.18	3 (2%) 63 62	61, 84, 117, 154	0
66	D0	107/110 (97%)	1.38	29 (27%) 0 0	101, 156, 232, 270	0
66	d0	110/110 (100%)	1.31	30 (27%) 0 0	68, 121, 203, 223	0
67	D1	87/87 (100%)	1.47	26 (29%) 0 0	112, 151, 183, 198	0
67	d1	87/87 (100%)	0.48	7 (8%) 12 13	87, 117, 158, 188	0
68	D2	129/129 (100%)	1.09	28 (21%) 0 1	99, 127, 155, 176	0
68	d2	129/129 (100%)	0.64	5 (3%) 39 38	74, 99, 120, 137	0
69	D3	144/144 (100%)	0.77	16 (11%) 5 6	76, 102, 127, 174	0
69	d3	144/144 (100%)	0.08	1 (0%) 87 87	51, 73, 99, 157	0
70	D4	134/134 (100%)	1.13	27 (20%) 1 1	106, 152, 191, 215	0
70	d4	133/134 (99%)	0.61	15 (11%) 5 6	80, 134, 173, 195	0
71	D5	70/70 (100%)	2.72	48 (68%) 0 0	151, 189, 233, 266	0
71	d5	69/70 (98%)	0.48	3 (4%) 35 35	77, 108, 142, 162	0
72	D6	97/97 (100%)	1.20	25 (25%) 0 0	86, 126, 189, 239	0
72	d6	97/97 (100%)	0.31	2 (2%) 63 62	63, 88, 136, 238	0
73	D7	81/81 (100%)	1.67	34 (41%) 0 0	117, 161, 215, 267	0
73	d7	81/81 (100%)	0.69	10 (12%) 4 5	92, 124, 199, 227	0
74	D8	63/63 (100%)	1.96	29 (46%) 0 0	136, 175, 215, 257	0
74	d8	63/63 (100%)	1.33	17 (26%) 0 0	81, 117, 146, 165	0
75	D9	53/53 (100%)	1.31	16 (30%) 0 0	104, 128, 154, 187	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
75	d9	53/53 (100%)	0.57	5 (9%) 8 10	64, 86, 109, 148	0
76	E0	60/62 (96%)	1.42	18 (30%) 0 0	98, 144, 215, 237	0
76	e0	62/62 (100%)	0.65	6 (9%) 7 9	64, 118, 179, 202	0
77	E1	71/72 (98%)	1.71	23 (32%) 0 0	143, 199, 243, 257	0
77	e1	72/72 (100%)	1.32	21 (29%) 0 0	125, 174, 212, 236	0
78	SR	318/318 (100%)	2.13	148 (46%) 0 0	131, 175, 225, 269	0
78	sR	318/318 (100%)	0.88	48 (15%) 2 2	88, 125, 174, 226	0
79	SM	159/272 (58%)	0.84	25 (15%) 2 2	88, 153, 237, 268	0
79	sM	129/272 (47%)	0.53	10 (7%) 13 14	76, 118, 187, 220	0
80	m2	0/165	-	-	-	-
81	n4	135/135 (100%)	1.00	23 (17%) 1 2	42, 139, 211, 238	0
82	p0	143/312 (45%)	0.94	22 (15%) 2 2	84, 138, 215, 261	0
83	p1	0/47	-	-	-	-
All	All	32909/34616 (95%)	0.50	2766 (8%) 11 13	32, 103, 196, 384	0

The worst 5 of 2766 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
25	N4	75	THR	15.5
25	N4	76	VAL	12.9
57	C1	146	ALA	12.4
18	M7	167	ARG	12.3
57	C1	145	ALA	11.4

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

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

6.3 Carbohydrates (i)

There are no monosaccharides in this entry.

6.4 Ligands (i)

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, 95^{th} 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
84	MG	5	3634	1/1	-0.07	1.24	57,57,57,57	0
84	MG	1	3950	1/1	0.03	0.55	85,85,85,85	0
84	MG	6	2162	1/1	0.22	0.21	96,96,96,96	0
84	MG	1	3917	1/1	0.42	0.35	74,74,74,74	0
84	MG	1	3628	1/1	0.42	0.69	80,80,80,80	0
84	MG	1	3637	1/1	0.43	0.37	91,91,91,91	0
84	MG	6	2072	1/1	0.43	0.26	77,77,77,77	0
84	MG	1	3759	1/1	0.43	0.82	73,73,73,73	0
84	MG	S2	301	1/1	0.44	0.55	107,107,107,107	0
84	MG	2	1961	1/1	0.44	0.17	109,109,109,109	0
84	MG	1	3842	1/1	0.45	0.98	92,92,92,92	0
84	MG	1	3493	1/1	0.46	0.65	76,76,76,76	0
84	MG	2	1980	1/1	0.46	0.54	77,77,77,77	0
84	MG	5	3611	1/1	0.47	0.38	104,104,104,104	0
84	MG	M3	203	1/1	0.47	0.24	92,92,92,92	0
84	MG	5	4097	1/1	0.49	0.48	68,68,68,68	0
84	MG	N3	204	1/1	0.49	0.39	87,87,87,87	0
84	MG	5	3970	1/1	0.49	0.72	75,75,75,75	0
84	MG	5	3654	1/1	0.50	0.39	79,79,79,79	0
84	MG	5	3695	1/1	0.50	0.35	93,93,93,93	0
84	MG	6	2090	1/1	0.50	0.40	91,91,91,91	0
84	MG	1	3510	1/1	0.50	0.51	57,57,57,57	0
84	MG	d6	102	1/1	0.50	0.28	76,76,76,76	0
84	MG	2	1940	1/1	0.51	0.64	82,82,82,82	0
84	MG	1	3636	1/1	0.51	0.22	104,104,104,104	0
84	MG	1	3902	1/1	0.52	0.19	77,77,77,77	0
84	MG	4	221	1/1	0.52	0.45	75,75,75,75	0
84	MG	6	2120	1/1	0.52	0.14	110,110,110,110	0
84	MG	8	213	1/1	0.52	0.58	68,68,68,68	0
84	MG	6	1924	1/1	0.52	0.29	70,70,70,70	0
84	MG	6	1944	1/1	0.53	0.86	71,71,71,71	0
84	MG	6	2121	1/1	0.53	0.61	97,97,97,97	0
84	MG	6	2141	1/1	0.53	0.32	99,99,99,99	0
84	MG	5	4057	1/1	0.53	0.15	99,99,99,99	1
84	MG	1	3876	1/1	0.53	0.67	76,76,76,76	0
84	MG	3	202	1/1	0.54	0.24	89,89,89,89	0
84	MG	O6	201	1/1	0.54	0.26	78,78,78,78	0
84	MG	6	1901	1/1	0.54	0.72	55,55,55,55	0
84	MG	1	3667	1/1	0.55	0.53	73,73,73,73	0
84	MG	6	1991	1/1	0.55	0.54	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	s2	302	1/1	0.55	0.34	81,81,81,81	0
84	MG	2	1931	1/1	0.55	0.47	90,90,90,90	0
84	MG	4	212	1/1	0.56	0.38	84,84,84,84	0
84	MG	6	2129	1/1	0.56	0.36	88,88,88,88	0
84	MG	5	4031	1/1	0.56	0.37	65,65,65,65	0
84	MG	1	3483	1/1	0.56	0.59	68,68,68,68	0
84	MG	6	2106	1/1	0.56	0.58	91,91,91,91	0
84	MG	5	3751	1/1	0.56	0.59	61,61,61,61	0
84	MG	6	1967	1/1	0.57	0.85	74,74,74,74	0
84	MG	5	3645	1/1	0.57	0.55	59,59,59,59	0
84	MG	2	2023	1/1	0.57	0.15	132,132,132,132	0
86	ZN	D7	101	1/1	0.57	0.22	264,264,264,264	0
84	MG	3	206	1/1	0.58	0.50	72,72,72,72	0
84	MG	n5	201	1/1	0.59	0.13	96,96,96,96	0
84	MG	q2	506	1/1	0.59	0.33	68,68,68,68	0
84	MG	2	1929	1/1	0.59	0.60	88,88,88,88	0
84	MG	5	4030	1/1	0.60	0.50	99,99,99,99	0
84	MG	4	206	1/1	0.60	0.53	60,60,60,60	0
84	MG	1	3744	1/1	0.60	0.17	82,82,82,82	0
84	MG	5	4080	1/1	0.60	0.16	67,67,67,67	0
84	MG	1	3980	1/1	0.60	0.14	91,91,91,91	0
84	MG	1	3490	1/1	0.60	0.16	80,80,80,80	0
84	MG	5	3886	1/1	0.60	0.36	77,77,77,77	0
84	MG	1	3927	1/1	0.60	0.17	77,77,77,77	1
84	MG	6	2024	1/1	0.61	0.23	80,80,80,80	0
84	MG	6	2030	1/1	0.61	0.30	82,82,82,82	0
84	MG	1	3726	1/1	0.61	0.47	69,69,69,69	0
84	MG	5	3966	1/1	0.61	0.63	95,95,95,95	0
84	MG	1	3803	1/1	0.61	0.45	76,76,76,76	0
84	MG	6	2119	1/1	0.61	0.35	91,91,91,91	0
84	MG	1	3442	1/1	0.61	0.39	83,83,83,83	0
84	MG	1	3630	1/1	0.62	0.12	106,106,106,106	0
84	MG	2	1965	1/1	0.62	0.32	91,91,91,91	0
84	MG	6	2107	1/1	0.62	0.45	90,90,90,90	0
84	MG	1	3758	1/1	0.62	0.59	74,74,74,74	0
84	MG	1	3521	1/1	0.63	0.43	69,69,69,69	0
84	MG	1	3816	1/1	0.63	0.46	78,78,78,78	0
84	MG	1	3888	1/1	0.63	0.38	68,68,68,68	0
84	MG	5	3984	1/1	0.63	0.49	62,62,62,62	0
84	MG	2	2015	1/1	0.64	0.59	84,84,84,84	0
84	MG	1	3952	1/1	0.64	1.00	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3813	1/1	0.64	0.55	58,58,58,58	0
84	MG	5	4106	1/1	0.64	0.32	49,49,49,49	0
84	MG	5	3836	1/1	0.64	0.29	79,79,79,79	0
84	MG	M5	305	1/1	0.64	0.33	72,72,72,72	0
84	MG	5	3904	1/1	0.64	0.62	59,59,59,59	0
84	MG	5	3591	1/1	0.64	0.54	61,61,61,61	0
84	MG	1	3639	1/1	0.64	0.29	96,96,96,96	0
84	MG	6	1933	1/1	0.64	0.57	74,74,74,74	0
84	MG	1	3985	1/1	0.64	0.40	77,77,77,77	0
84	MG	2	1966	1/1	0.64	0.28	106,106,106,106	0
84	MG	c3	204	1/1	0.64	0.14	107,107,107,107	0
84	MG	1	3650	1/1	0.64	0.40	53,53,53,53	0
84	MG	d7	102	1/1	0.64	0.40	78,78,78,78	0
84	MG	5	4049	1/1	0.64	0.20	79,79,79,79	0
84	MG	2	1955	1/1	0.65	0.33	86,86,86,86	0
84	MG	5	3937	1/1	0.65	0.35	60,60,60,60	0
84	MG	1	3590	1/1	0.65	0.39	58,58,58,58	0
84	MG	2	2036	1/1	0.65	0.18	113,113,113,113	0
84	MG	6	2149	1/1	0.65	0.18	73,73,73,73	0
84	MG	m8	203	1/1	0.65	0.39	69,69,69,69	0
84	MG	4	202	1/1	0.65	0.31	59,59,59,59	0
84	MG	1	3818	1/1	0.65	0.54	88,88,88,88	0
84	MG	1	3955	1/1	0.65	0.47	69,69,69,69	0
84	MG	2	2007	1/1	0.65	0.24	88,88,88,88	0
84	MG	5	3896	1/1	0.65	0.83	71,71,71,71	0
84	MG	5	3975	1/1	0.66	0.57	71,71,71,71	0
84	MG	O7	104	1/1	0.66	0.22	88,88,88,88	0
84	MG	n5	202	1/1	0.66	0.32	78,78,78,78	0
84	MG	5	3840	1/1	0.66	0.30	61,61,61,61	0
84	MG	5	3863	1/1	0.66	0.53	76,76,76,76	0
84	MG	S4	301	1/1	0.66	0.20	120,120,120,120	0
84	MG	1	3658	1/1	0.66	0.37	70,70,70,70	0
84	MG	5	3711	1/1	0.66	0.34	70,70,70,70	0
84	MG	1	3769	1/1	0.66	0.89	65,65,65,65	0
84	MG	6	1968	1/1	0.66	0.55	65,65,65,65	0
84	MG	5	3803	1/1	0.66	0.17	76,76,76,76	0
84	MG	2	2001	1/1	0.66	0.61	146,146,146,146	0
84	MG	d1	101	1/1	0.66	0.40	93,93,93,93	0
84	MG	l8	301	1/1	0.66	0.45	99,99,99,99	0
84	MG	6	2034	1/1	0.66	0.39	69,69,69,69	0
84	MG	m6	208	1/1	0.66	0.50	56,56,56,56	0
84	MG	5	3825	1/1	0.67	0.35	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	4	211	1/1	0.67	0.27	86,86,86,86	0
84	MG	6	1989	1/1	0.67	0.44	67,67,67,67	0
84	MG	4	208	1/1	0.67	0.40	60,60,60,60	0
84	MG	c1	201	1/1	0.67	0.40	78,78,78,78	0
84	MG	6	1993	1/1	0.67	0.72	71,71,71,71	0
84	MG	5	3794	1/1	0.67	0.23	61,61,61,61	0
84	MG	2	1906	1/1	0.67	0.40	86,86,86,86	0
84	MG	O4	503	1/1	0.67	0.13	127,127,127,127	0
84	MG	6	2134	1/1	0.67	0.14	99,99,99,99	0
84	MG	1	3447	1/1	0.68	0.45	58,58,58,58	0
84	MG	5	3664	1/1	0.68	0.41	56,56,56,56	0
84	MG	5	4129	1/1	0.68	0.57	90,90,90,90	0
84	MG	6	2128	1/1	0.68	0.32	77,77,77,77	0
84	MG	5	4135	1/1	0.68	0.32	77,77,77,77	0
84	MG	8	209	1/1	0.68	0.23	80,80,80,80	0
84	MG	5	3999	1/1	0.68	0.31	52,52,52,52	0
84	MG	6	2148	1/1	0.68	0.26	78,78,78,78	0
84	MG	5	4003	1/1	0.68	0.26	77,77,77,77	0
84	MG	5	3808	1/1	0.68	0.23	66,66,66,66	0
84	MG	1	3788	1/1	0.68	0.19	76,76,76,76	1
84	MG	L2	303	1/1	0.68	0.27	88,88,88,88	0
84	MG	2	1905	1/1	0.68	0.09	127,127,127,127	0
84	MG	5	4071	1/1	0.68	0.13	103,103,103,103	0
84	MG	5	3768	1/1	0.68	0.41	73,73,73,73	0
84	MG	6	1903	1/1	0.68	0.77	67,67,67,67	0
84	MG	6	1918	1/1	0.68	0.22	84,84,84,84	0
84	MG	5	3795	1/1	0.69	0.22	74,74,74,74	0
84	MG	1	3958	1/1	0.69	0.19	88,88,88,88	0
84	MG	1	3481	1/1	0.69	0.79	73,73,73,73	0
84	MG	N0	201	1/1	0.69	0.35	67,67,67,67	0
84	MG	5	4040	1/1	0.69	0.29	74,74,74,74	0
84	MG	1	3865	1/1	0.69	0.55	81,81,81,81	0
84	MG	6	2059	1/1	0.69	0.18	76,76,76,76	0
84	MG	1	3804	1/1	0.69	0.57	91,91,91,91	0
84	MG	m4	201	1/1	0.69	0.21	69,69,69,69	1
84	MG	1	3461	1/1	0.69	0.43	59,59,59,59	0
84	MG	6	1945	1/1	0.69	0.49	70,70,70,70	0
84	MG	6	1951	1/1	0.69	0.21	74,74,74,74	0
84	MG	1	3579	1/1	0.69	0.25	71,71,71,71	0
84	MG	n0	204	1/1	0.69	0.28	57,57,57,57	0
84	MG	3	215	1/1	0.70	0.17	74,74,74,74	0
84	MG	5	4086	1/1	0.70	0.17	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3868	1/1	0.70	0.74	57,57,57,57	0
84	MG	6	1983	1/1	0.70	0.18	100,100,100,100	0
84	MG	2	1997	1/1	0.70	0.36	98,98,98,98	0
84	MG	5	4007	1/1	0.70	0.46	63,63,63,63	0
84	MG	5	4134	1/1	0.70	0.30	73,73,73,73	0
84	MG	1	3934	1/1	0.70	0.48	65,65,65,65	0
84	MG	5	3558	1/1	0.70	0.46	60,60,60,60	0
84	MG	5	3704	1/1	0.70	0.38	77,77,77,77	0
84	MG	1	3627	1/1	0.70	0.44	81,81,81,81	0
84	MG	6	1942	1/1	0.70	0.40	60,60,60,60	0
84	MG	6	1943	1/1	0.70	0.35	65,65,65,65	0
84	MG	1	3545	1/1	0.70	0.55	62,62,62,62	0
84	MG	2	1979	1/1	0.70	0.84	68,68,68,68	0
84	MG	6	2108	1/1	0.70	0.33	79,79,79,79	0
84	MG	6	2114	1/1	0.70	0.23	96,96,96,96	0
84	MG	2	1913	1/1	0.71	0.62	81,81,81,81	0
84	MG	1	3823	1/1	0.71	0.69	89,89,89,89	0
84	MG	1	3904	1/1	0.71	0.27	76,76,76,76	0
84	MG	N1	202	1/1	0.71	0.34	98,98,98,98	0
84	MG	6	2118	1/1	0.71	0.33	148,148,148,148	0
84	MG	2	1977	1/1	0.71	1.32	77,77,77,77	0
84	MG	5	3936	1/1	0.71	0.45	55,55,55,55	0
84	MG	5	3594	1/1	0.71	0.47	77,77,77,77	0
84	MG	5	3948	1/1	0.71	0.65	58,58,58,58	0
84	MG	2	2017	1/1	0.71	0.57	86,86,86,86	0
84	MG	2	1954	1/1	0.71	0.29	106,106,106,106	0
84	MG	5	3601	1/1	0.72	0.46	89,89,89,89	0
84	MG	1	3723	1/1	0.72	0.32	47,47,47,47	0
84	MG	7	219	1/1	0.72	0.17	62,62,62,62	0
84	MG	6	2100	1/1	0.72	0.28	84,84,84,84	0
84	MG	1	3815	1/1	0.72	0.74	77,77,77,77	0
84	MG	5	4073	1/1	0.72	0.12	97,97,97,97	0
84	MG	l2	304	1/1	0.72	0.39	76,76,76,76	0
84	MG	C3	201	1/1	0.72	0.20	102,102,102,102	0
84	MG	M8	201	1/1	0.72	0.23	67,67,67,67	0
84	MG	6	2018	1/1	0.72	0.31	81,81,81,81	0
84	MG	1	3571	1/1	0.72	0.27	71,71,71,71	0
84	MG	5	3867	1/1	0.72	0.39	55,55,55,55	0
84	MG	1	3854	1/1	0.72	0.31	60,60,60,60	0
84	MG	5	3690	1/1	0.73	0.31	65,65,65,65	0
84	MG	5	3942	1/1	0.73	0.39	79,79,79,79	0
84	MG	1	3782	1/1	0.73	0.74	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3960	1/1	0.73	0.20	79,79,79,79	0
84	MG	6	2139	1/1	0.73	0.19	82,82,82,82	0
84	MG	6	2070	1/1	0.73	0.17	128,128,128,128	0
84	MG	1	3456	1/1	0.73	0.36	67,67,67,67	0
84	MG	5	3974	1/1	0.73	0.43	67,67,67,67	0
84	MG	6	2161	1/1	0.73	0.27	75,75,75,75	0
84	MG	1	3467	1/1	0.73	0.38	58,58,58,58	0
84	MG	5	3764	1/1	0.73	0.32	78,78,78,78	0
84	MG	1	3900	1/1	0.73	0.11	85,85,85,85	0
84	MG	1	3763	1/1	0.73	0.42	66,66,66,66	0
84	MG	3	208	1/1	0.73	0.46	64,64,64,64	0
84	MG	1	3495	1/1	0.73	0.62	75,75,75,75	0
84	MG	D3	204	1/1	0.73	0.51	94,94,94,94	0
84	MG	7	223	1/1	0.73	0.22	75,75,75,75	0
84	MG	5	4130	1/1	0.74	0.21	81,81,81,81	0
84	MG	m7	207	1/1	0.74	0.53	66,66,66,66	0
84	MG	1	3565	1/1	0.74	0.20	71,71,71,71	0
84	MG	2	2000	1/1	0.74	0.36	164,164,164,164	0
84	MG	6	2142	1/1	0.74	0.24	89,89,89,89	0
84	MG	6	1960	1/1	0.74	0.41	62,62,62,62	0
84	MG	5	3934	1/1	0.74	0.46	48,48,48,48	1
84	MG	2	2037	1/1	0.74	0.35	99,99,99,99	0
84	MG	6	1977	1/1	0.74	0.26	103,103,103,103	0
84	MG	8	202	1/1	0.74	0.19	90,90,90,90	0
84	MG	5	3856	1/1	0.74	0.34	61,61,61,61	0
84	MG	1	3580	1/1	0.74	0.24	75,75,75,75	0
84	MG	1	3738	1/1	0.74	0.73	75,75,75,75	0
84	MG	l5	302	1/1	0.74	0.14	78,78,78,78	0
84	MG	1	3694	1/1	0.74	0.38	62,62,62,62	0
84	MG	d9	102	1/1	0.74	0.22	94,94,94,94	0
84	MG	2	1984	1/1	0.74	0.43	113,113,113,113	0
84	MG	1	3681	1/1	0.75	0.36	62,62,62,62	0
84	MG	2	2004	1/1	0.75	0.72	81,81,81,81	0
84	MG	6	1920	1/1	0.75	0.23	81,81,81,81	0
84	MG	2	1953	1/1	0.75	0.33	96,96,96,96	0
84	MG	1	3893	1/1	0.75	0.30	57,57,57,57	0
84	MG	1	3560	1/1	0.75	0.20	78,78,78,78	0
84	MG	8	201	1/1	0.75	0.42	81,81,81,81	0
84	MG	5	3651	1/1	0.75	0.38	77,77,77,77	0
84	MG	8	208	1/1	0.75	0.21	79,79,79,79	0
84	MG	4	210	1/1	0.75	0.14	90,90,90,90	0
84	MG	1	3764	1/1	0.75	0.57	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	8	216	1/1	0.75	0.68	67,67,67,67	0
84	MG	1	3584	1/1	0.75	0.36	76,76,76,76	0
84	MG	6	1974	1/1	0.75	0.17	90,90,90,90	0
84	MG	l3	410	1/1	0.75	0.17	73,73,73,73	0
84	MG	Q2	504	1/1	0.75	0.37	59,59,59,59	0
84	MG	5	4046	1/1	0.75	0.43	67,67,67,67	0
84	MG	1	3454	1/1	0.75	0.37	61,61,61,61	0
84	MG	m4	206	1/1	0.75	0.35	58,58,58,58	0
84	MG	C1	201	1/1	0.75	0.20	103,103,103,103	0
84	MG	1	3566	1/1	0.75	0.22	74,74,74,74	0
84	MG	1	3426	1/1	0.75	0.31	45,45,45,45	0
84	MG	1	3948	1/1	0.75	0.51	82,82,82,82	0
84	MG	5	3780	1/1	0.75	0.30	64,64,64,64	0
84	MG	5	3793	1/1	0.75	0.37	68,68,68,68	0
84	MG	5	3577	1/1	0.75	0.57	54,54,54,54	0
84	MG	sR	401	1/1	0.75	0.18	76,76,76,76	0
84	MG	1	3555	1/1	0.75	0.16	92,92,92,92	0
84	MG	5	3755	1/1	0.76	0.44	59,59,59,59	0
84	MG	6	2064	1/1	0.76	0.15	126,126,126,126	0
84	MG	1	3879	1/1	0.76	0.69	63,63,63,63	0
84	MG	1	3977	1/1	0.76	0.16	87,87,87,87	0
84	MG	q2	502	1/1	0.76	0.27	63,63,63,63	0
84	MG	5	4117	1/1	0.76	0.18	82,82,82,82	0
84	MG	q2	507	1/1	0.76	0.20	51,51,51,51	0
84	MG	q3	503	1/1	0.76	0.26	79,79,79,79	0
84	MG	5	4120	1/1	0.76	0.10	90,90,90,90	0
84	MG	5	3775	1/1	0.76	0.45	120,120,120,120	0
84	MG	1	3827	1/1	0.76	0.47	61,61,61,61	0
84	MG	5	3954	1/1	0.76	0.62	58,58,58,58	0
84	MG	5	3617	1/1	0.76	0.30	75,75,75,75	0
84	MG	5	3622	1/1	0.76	0.19	84,84,84,84	0
84	MG	5	3624	1/1	0.76	0.57	65,65,65,65	0
84	MG	1	3668	1/1	0.76	0.32	74,74,74,74	0
84	MG	1	3499	1/1	0.76	0.46	61,61,61,61	0
84	MG	1	3859	1/1	0.76	0.16	67,67,67,67	0
84	MG	5	3469	1/1	0.76	0.46	54,54,54,54	0
84	MG	5	3526	1/1	0.76	0.62	61,61,61,61	0
84	MG	5	3675	1/1	0.76	0.25	67,67,67,67	0
84	MG	l2	303	1/1	0.76	0.36	72,72,72,72	0
84	MG	5	3855	1/1	0.76	0.57	69,69,69,69	0
84	MG	5	4033	1/1	0.76	0.13	74,74,74,74	0
84	MG	1	3578	1/1	0.76	0.21	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3693	1/1	0.76	0.32	81,81,81,81	0
84	MG	5	3563	1/1	0.76	0.46	55,55,55,55	0
84	MG	1	3514	1/1	0.76	0.61	63,63,63,63	0
84	MG	6	1996	1/1	0.76	0.32	74,74,74,74	0
84	MG	d6	104	1/1	0.76	0.30	76,76,76,76	0
84	MG	m6	202	1/1	0.76	0.29	47,47,47,47	0
84	MG	O7	102	1/1	0.76	0.39	61,61,61,61	0
84	MG	5	3722	1/1	0.76	0.38	77,77,77,77	0
84	MG	5	3593	1/1	0.76	0.50	68,68,68,68	0
84	MG	2	1978	1/1	0.77	0.50	64,64,64,64	0
84	MG	l5	305	1/1	0.77	0.08	77,77,77,77	0
84	MG	l6	202	1/1	0.77	0.39	66,66,66,66	0
84	MG	1	3886	1/1	0.77	0.22	83,83,83,83	0
84	MG	l9	208	1/1	0.77	0.18	54,54,54,54	0
84	MG	5	3492	1/1	0.77	0.42	74,74,74,74	0
84	MG	5	3524	1/1	0.77	0.48	53,53,53,53	0
84	MG	5	3802	1/1	0.77	0.15	75,75,75,75	0
84	MG	1	3444	1/1	0.77	0.68	70,70,70,70	0
84	MG	1	3741	1/1	0.77	0.34	80,80,80,80	0
84	MG	m8	202	1/1	0.77	0.53	63,63,63,63	0
84	MG	1	3873	1/1	0.77	0.44	65,65,65,65	0
84	MG	5	4041	1/1	0.77	0.30	79,79,79,79	0
84	MG	5	3819	1/1	0.77	0.24	57,57,57,57	0
84	MG	1	3663	1/1	0.77	0.29	69,69,69,69	0
84	MG	8	205	1/1	0.77	0.17	111,111,111,111	0
84	MG	8	207	1/1	0.77	0.31	74,74,74,74	0
84	MG	5	3828	1/1	0.77	0.32	46,46,46,46	0
84	MG	5	4063	1/1	0.77	0.17	94,94,94,94	0
84	MG	c3	201	1/1	0.77	0.61	89,89,89,89	0
84	MG	4	223	1/1	0.77	0.26	72,72,72,72	0
84	MG	8	214	1/1	0.77	0.39	54,54,54,54	0
84	MG	5	3766	1/1	0.77	0.49	57,57,57,57	0
84	MG	1	3746	1/1	0.77	0.39	69,69,69,69	0
84	MG	6	2085	1/1	0.77	0.15	88,88,88,88	0
84	MG	L5	301	1/1	0.77	0.13	89,89,89,89	0
84	MG	5	3857	1/1	0.77	0.21	65,65,65,65	0
84	MG	6	1940	1/1	0.77	0.80	69,69,69,69	0
84	MG	5	3838	1/1	0.78	0.31	57,57,57,57	0
84	MG	5	3960	1/1	0.78	0.18	74,74,74,74	0
84	MG	5	3574	1/1	0.78	0.61	58,58,58,58	0
84	MG	6	1988	1/1	0.78	0.39	66,66,66,66	0
84	MG	3	211	1/1	0.78	0.24	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3515	1/1	0.78	1.17	64,64,64,64	0
84	MG	6	1992	1/1	0.78	0.47	78,78,78,78	0
84	MG	N4	201	1/1	0.78	0.39	70,70,70,70	0
84	MG	2	2013	1/1	0.78	0.12	120,120,120,120	0
84	MG	6	1997	1/1	0.78	0.28	78,78,78,78	0
84	MG	5	4112	1/1	0.78	0.18	52,52,52,52	0
84	MG	1	3805	1/1	0.78	0.32	74,74,74,74	0
84	MG	1	3742	1/1	0.78	0.51	78,78,78,78	0
84	MG	5	3706	1/1	0.78	0.62	71,71,71,71	0
84	MG	5	3805	1/1	0.78	0.15	75,75,75,75	0
84	MG	1	3711	1/1	0.78	0.19	84,84,84,84	0
84	MG	5	3915	1/1	0.78	0.49	78,78,78,78	0
84	MG	5	4149	1/1	0.78	0.32	74,74,74,74	0
84	MG	1	3577	1/1	0.78	0.23	81,81,81,81	0
84	MG	d3	201	1/1	0.78	0.48	65,65,65,65	0
84	MG	5	3542	1/1	0.78	0.42	54,54,54,54	0
84	MG	m6	203	1/1	0.78	0.34	55,55,55,55	0
84	MG	7	225	1/1	0.78	0.20	71,71,71,71	0
84	MG	1	3665	1/1	0.78	0.22	67,67,67,67	0
84	MG	1	3686	1/1	0.78	0.34	57,57,57,57	0
84	MG	5	3564	1/1	0.78	0.47	59,59,59,59	0
84	MG	6	2026	1/1	0.79	0.28	78,78,78,78	0
84	MG	5	3588	1/1	0.79	0.94	62,62,62,62	0
84	MG	1	3949	1/1	0.79	0.14	79,79,79,79	0
84	MG	6	2035	1/1	0.79	0.21	82,82,82,82	0
84	MG	6	2058	1/1	0.79	0.30	81,81,81,81	0
84	MG	2	2024	1/1	0.79	0.07	130,130,130,130	0
84	MG	2	2026	1/1	0.79	0.22	126,126,126,126	0
84	MG	6	2066	1/1	0.79	0.10	121,121,121,121	0
84	MG	1	3820	1/1	0.79	0.45	76,76,76,76	0
84	MG	1	3880	1/1	0.79	0.45	73,73,73,73	0
84	MG	1	3953	1/1	0.79	0.30	72,72,72,72	0
84	MG	5	3965	1/1	0.79	0.57	65,65,65,65	0
84	MG	1	3508	1/1	0.79	0.89	60,60,60,60	0
84	MG	1	3792	1/1	0.79	0.23	94,94,94,94	0
84	MG	4	215	1/1	0.79	0.38	69,69,69,69	0
84	MG	D3	201	1/1	0.79	0.32	72,72,72,72	0
84	MG	1	3829	1/1	0.79	0.53	71,71,71,71	0
84	MG	6	1913	1/1	0.79	0.15	107,107,107,107	0
84	MG	5	3434	1/1	0.79	0.27	60,60,60,60	0
84	MG	5	3437	1/1	0.79	0.25	59,59,59,59	0
84	MG	5	3833	1/1	0.79	0.36	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	4012	1/1	0.79	0.31	61,61,61,61	0
84	MG	5	4024	1/1	0.79	0.39	68,68,68,68	0
84	MG	5	3442	1/1	0.79	0.45	53,53,53,53	0
84	MG	2	1992	1/1	0.79	0.14	98,98,98,98	0
84	MG	5	3483	1/1	0.79	0.36	57,57,57,57	0
84	MG	8	219	1/1	0.79	0.38	90,90,90,90	0
84	MG	1	3465	1/1	0.79	0.37	56,56,56,56	0
84	MG	5	3697	1/1	0.79	0.44	65,65,65,65	0
84	MG	l3	406	1/1	0.79	0.44	63,63,63,63	0
84	MG	l3	408	1/1	0.79	0.41	64,64,64,64	0
84	MG	1	3847	1/1	0.79	0.51	53,53,53,53	0
84	MG	1	3634	1/1	0.79	0.26	105,105,105,105	0
84	MG	1	3541	1/1	0.79	0.32	58,58,58,58	0
84	MG	1	3501	1/1	0.79	0.24	64,64,64,64	0
84	MG	5	3878	1/1	0.79	0.47	79,79,79,79	0
84	MG	2	2010	1/1	0.79	0.29	98,98,98,98	0
84	MG	m3	202	1/1	0.79	0.23	82,82,82,82	0
84	MG	1	3932	1/1	0.79	0.69	71,71,71,71	0
84	MG	1	3704	1/1	0.79	0.32	55,55,55,55	0
84	MG	1	3707	1/1	0.79	0.37	59,59,59,59	0
84	MG	5	4098	1/1	0.79	0.36	81,81,81,81	0
85	LLL	5	4178	31/31	0.79	0.35	69,69,69,69	31
84	MG	m6	207	1/1	0.79	0.29	47,47,47,47	0
84	MG	5	3458	1/1	0.80	0.29	57,57,57,57	0
84	MG	1	3975	1/1	0.80	0.28	63,63,63,63	0
84	MG	5	3967	1/1	0.80	0.62	71,71,71,71	0
84	MG	O2	203	1/1	0.80	0.35	57,57,57,57	0
84	MG	6	1934	1/1	0.80	0.36	67,67,67,67	0
84	MG	1	3430	1/1	0.80	0.39	54,54,54,54	0
84	MG	5	4114	1/1	0.80	0.20	83,83,83,83	0
84	MG	5	3859	1/1	0.80	0.56	71,71,71,71	0
84	MG	1	3928	1/1	0.80	0.23	64,64,64,64	0
84	MG	6	2111	1/1	0.80	0.19	113,113,113,113	0
84	MG	l9	206	1/1	0.80	0.32	68,68,68,68	0
84	MG	1	3469	1/1	0.80	0.21	59,59,59,59	1
84	MG	m3	201	1/1	0.80	0.28	88,88,88,88	0
84	MG	2	2034	1/1	0.80	0.19	92,92,92,92	0
84	MG	5	3869	1/1	0.80	0.87	67,67,67,67	0
84	MG	6	2124	1/1	0.80	0.26	76,76,76,76	0
84	MG	1	3881	1/1	0.80	0.18	78,78,78,78	0
84	MG	m5	303	1/1	0.80	0.17	79,79,79,79	0
84	MG	1	3457	1/1	0.80	0.25	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	7	203	1/1	0.80	0.36	52,52,52,52	0
84	MG	L4	405	1/1	0.80	0.43	63,63,63,63	0
84	MG	5	3899	1/1	0.80	0.81	59,59,59,59	0
84	MG	1	3853	1/1	0.80	0.29	60,60,60,60	0
84	MG	7	227	1/1	0.80	0.28	76,76,76,76	0
84	MG	M0	303	1/1	0.80	0.33	66,66,66,66	0
84	MG	5	3583	1/1	0.80	0.59	59,59,59,59	0
84	MG	6	2014	1/1	0.80	0.21	74,74,74,74	0
84	MG	1	3696	1/1	0.80	0.50	55,55,55,55	0
84	MG	1	3662	1/1	0.80	0.28	78,78,78,78	0
84	MG	5	4052	1/1	0.80	0.43	77,77,77,77	0
84	MG	5	4056	1/1	0.80	0.16	95,95,95,95	0
84	MG	1	3669	1/1	0.80	0.30	78,78,78,78	0
84	MG	1	3670	1/1	0.80	0.31	76,76,76,76	0
84	MG	6	2049	1/1	0.80	0.14	78,78,78,78	0
84	MG	1	3909	1/1	0.80	0.29	73,73,73,73	0
84	MG	5	3958	1/1	0.80	0.62	66,66,66,66	0
84	MG	6	2062	1/1	0.80	0.11	111,111,111,111	0
84	MG	6	2063	1/1	0.80	0.13	117,117,117,117	0
84	MG	1	3715	1/1	0.80	0.18	83,83,83,83	0
84	MG	1	3817	1/1	0.81	0.66	72,72,72,72	0
84	MG	5	4008	1/1	0.81	0.36	56,56,56,56	0
84	MG	M0	302	1/1	0.81	0.83	64,64,64,64	0
84	MG	5	4018	1/1	0.81	0.50	66,66,66,66	0
84	MG	5	4019	1/1	0.81	0.63	66,66,66,66	0
84	MG	5	3725	1/1	0.81	0.37	71,71,71,71	0
84	MG	8	206	1/1	0.81	0.25	81,81,81,81	0
84	MG	2	1990	1/1	0.81	0.21	116,116,116,116	0
84	MG	1	3556	1/1	0.81	0.35	73,73,73,73	0
84	MG	1	3698	1/1	0.81	0.54	69,69,69,69	0
84	MG	1	3800	1/1	0.81	0.52	67,67,67,67	0
84	MG	D3	202	1/1	0.81	0.51	67,67,67,67	0
84	MG	5	3772	1/1	0.81	0.32	128,128,128,128	0
84	MG	6	1937	1/1	0.81	0.93	62,62,62,62	0
84	MG	1	3506	1/1	0.81	0.35	57,57,57,57	0
84	MG	5	3419	1/1	0.81	0.37	49,49,49,49	0
84	MG	6	2115	1/1	0.81	0.12	93,93,93,93	0
84	MG	5	3792	1/1	0.81	0.26	63,63,63,63	1
84	MG	1	3739	1/1	0.81	0.42	72,72,72,72	0
84	MG	1	3840	1/1	0.81	0.67	67,67,67,67	0
84	MG	1	3409	1/1	0.81	0.40	49,49,49,49	0
84	MG	1	3937	1/1	0.81	0.42	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	4078	1/1	0.81	0.25	67,67,67,67	0
84	MG	5	3946	1/1	0.81	0.69	64,64,64,64	0
84	MG	5	4085	1/1	0.81	0.16	79,79,79,79	0
84	MG	5	3635	1/1	0.81	0.29	55,55,55,55	0
84	MG	N8	203	1/1	0.81	0.44	63,63,63,63	0
84	MG	6	1987	1/1	0.81	0.31	79,79,79,79	0
84	MG	2	2016	1/1	0.81	0.39	72,72,72,72	0
84	MG	5	4104	1/1	0.81	0.30	56,56,56,56	0
84	MG	1	3810	1/1	0.81	0.27	70,70,70,70	0
84	MG	5	3520	1/1	0.81	0.36	54,54,54,54	0
84	MG	O2	204	1/1	0.81	0.32	58,58,58,58	0
84	MG	6	1994	1/1	0.81	0.60	69,69,69,69	0
84	MG	O3	201	1/1	0.81	0.41	64,64,64,64	0
84	MG	5	3968	1/1	0.81	0.26	56,56,56,56	0
84	MG	1	3652	1/1	0.81	0.23	59,59,59,59	0
84	MG	5	3552	1/1	0.81	0.52	68,68,68,68	0
84	MG	5	3696	1/1	0.81	0.39	94,94,94,94	0
84	MG	1	3529	1/1	0.81	0.76	66,66,66,66	0
84	MG	5	3992	1/1	0.81	0.42	49,49,49,49	0
84	MG	2	2035	1/1	0.81	0.27	101,101,101,101	0
84	MG	n1	201	1/1	0.81	0.15	61,61,61,61	0
84	MG	6	2037	1/1	0.81	0.17	87,87,87,87	0
84	MG	3	210	1/1	0.81	0.22	65,65,65,65	0
84	MG	1	3494	1/1	0.82	0.40	81,81,81,81	0
84	MG	5	3565	1/1	0.82	0.39	57,57,57,57	0
84	MG	q2	503	1/1	0.82	0.35	52,52,52,52	0
84	MG	5	4015	1/1	0.82	0.41	59,59,59,59	0
84	MG	7	230	1/1	0.82	0.45	75,75,75,75	0
84	MG	1	3976	1/1	0.82	0.23	71,71,71,71	0
84	MG	1	3936	1/1	0.82	0.37	67,67,67,67	0
84	MG	N1	201	1/1	0.82	0.29	68,68,68,68	0
84	MG	5	3728	1/1	0.82	0.21	51,51,51,51	0
84	MG	1	3699	1/1	0.82	0.53	82,82,82,82	0
84	MG	5	3752	1/1	0.82	0.36	59,59,59,59	0
84	MG	1	3446	1/1	0.82	0.22	62,62,62,62	0
84	MG	8	212	1/1	0.82	0.34	66,66,66,66	0
84	MG	1	3509	1/1	0.82	0.54	60,60,60,60	0
84	MG	D3	205	1/1	0.82	0.23	86,86,86,86	0
84	MG	1	3477	1/1	0.82	0.38	51,51,51,51	0
84	MG	1	3575	1/1	0.82	0.18	61,61,61,61	0
84	MG	5	3927	1/1	0.82	0.40	55,55,55,55	1
84	MG	5	3616	1/1	0.82	0.17	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	4060	1/1	0.82	0.32	68,68,68,68	0
84	MG	6	1950	1/1	0.82	0.28	72,72,72,72	0
84	MG	1	3418	1/1	0.82	0.57	65,65,65,65	0
84	MG	5	3786	1/1	0.82	0.38	43,43,43,43	0
84	MG	1	3505	1/1	0.82	0.37	67,67,67,67	0
84	MG	5	3943	1/1	0.82	0.69	75,75,75,75	0
84	MG	L8	301	1/1	0.82	0.18	103,103,103,103	0
84	MG	6	1976	1/1	0.82	0.22	84,84,84,84	0
84	MG	5	4083	1/1	0.82	0.15	88,88,88,88	0
84	MG	6	1980	1/1	0.82	0.24	108,108,108,108	0
84	MG	2	2022	1/1	0.82	0.09	132,132,132,132	0
84	MG	5	3953	1/1	0.82	0.60	62,62,62,62	0
84	MG	2	1967	1/1	0.82	0.35	90,90,90,90	0
84	MG	5	3488	1/1	0.82	0.21	55,55,55,55	0
84	MG	2	1975	1/1	0.82	0.46	87,87,87,87	0
84	MG	O4	504	1/1	0.82	0.48	76,76,76,76	0
84	MG	s6	301	1/1	0.82	0.28	78,78,78,78	0
84	MG	2	2027	1/1	0.82	0.55	95,95,95,95	0
84	MG	5	3812	1/1	0.82	0.53	46,46,46,46	0
84	MG	2	2033	1/1	0.82	0.23	108,108,108,108	0
84	MG	5	3686	1/1	0.82	0.30	68,68,68,68	0
84	MG	1	3559	1/1	0.82	0.24	73,73,73,73	0
84	MG	5	3692	1/1	0.82	0.26	73,73,73,73	0
84	MG	6	2021	1/1	0.82	0.09	86,86,86,86	0
84	MG	5	3546	1/1	0.82	0.37	63,63,63,63	0
84	MG	5	3694	1/1	0.82	0.22	84,84,84,84	0
84	MG	1	3766	1/1	0.82	0.27	58,58,58,58	0
84	MG	1	3963	1/1	0.82	0.33	76,76,76,76	0
84	MG	M5	301	1/1	0.82	0.35	69,69,69,69	0
86	ZN	d7	101	1/1	0.82	0.15	272,272,272,272	0
84	MG	1	3914	1/1	0.83	0.27	59,59,59,59	0
84	MG	5	3566	1/1	0.83	0.27	60,60,60,60	0
84	MG	1	3629	1/1	0.83	0.14	136,136,136,136	0
84	MG	m9	201	1/1	0.83	0.24	74,74,74,74	0
84	MG	5	3839	1/1	0.83	0.25	68,68,68,68	0
84	MG	5	3708	1/1	0.83	0.30	75,75,75,75	0
84	MG	5	3980	1/1	0.83	0.39	52,52,52,52	0
84	MG	5	3841	1/1	0.83	0.25	61,61,61,61	0
84	MG	1	3922	1/1	0.83	0.25	61,61,61,61	0
84	MG	2	1991	1/1	0.83	0.15	103,103,103,103	0
84	MG	6	2065	1/1	0.83	0.20	104,104,104,104	0
84	MG	3	212	1/1	0.83	0.33	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3858	1/1	0.83	0.32	55,55,55,55	0
84	MG	2	1901	1/1	0.83	0.21	92,92,92,92	0
84	MG	5	3861	1/1	0.83	0.34	63,63,63,63	0
84	MG	D3	203	1/1	0.83	0.36	85,85,85,85	0
84	MG	M3	205	1/1	0.83	0.26	82,82,82,82	0
84	MG	5	3754	1/1	0.83	0.46	69,69,69,69	0
84	MG	5	4021	1/1	0.83	0.28	60,60,60,60	0
84	MG	1	3492	1/1	0.83	0.38	80,80,80,80	0
84	MG	5	4027	1/1	0.83	0.54	50,50,50,50	0
84	MG	1	3957	1/1	0.83	0.21	71,71,71,71	0
84	MG	5	3423	1/1	0.83	0.29	54,54,54,54	1
84	MG	2	1919	1/1	0.83	0.28	84,84,84,84	0
84	MG	5	3897	1/1	0.83	0.42	76,76,76,76	0
84	MG	M7	205	1/1	0.83	0.30	59,59,59,59	0
84	MG	4	203	1/1	0.83	0.27	61,61,61,61	0
84	MG	1	3558	1/1	0.83	0.20	68,68,68,68	0
84	MG	8	220	1/1	0.83	0.35	94,94,94,94	0
84	MG	5	3922	1/1	0.83	0.30	56,56,56,56	0
84	MG	6	2130	1/1	0.83	0.16	95,95,95,95	0
84	MG	N0	203	1/1	0.83	0.09	80,80,80,80	0
84	MG	1	3929	1/1	0.83	0.54	63,63,63,63	0
84	MG	2	2018	1/1	0.83	0.10	135,135,135,135	0
84	MG	1	3807	1/1	0.83	0.46	77,77,77,77	0
84	MG	l3	411	1/1	0.83	0.16	53,53,53,53	0
84	MG	5	3939	1/1	0.83	0.24	76,76,76,76	0
84	MG	6	2150	1/1	0.83	0.21	81,81,81,81	0
84	MG	6	2153	1/1	0.83	0.19	68,68,68,68	0
84	MG	5	4072	1/1	0.83	0.09	109,109,109,109	0
84	MG	2	1960	1/1	0.83	0.20	94,94,94,94	0
84	MG	s0	301	1/1	0.83	0.16	103,103,103,103	0
84	MG	5	4074	1/1	0.83	0.08	105,105,105,105	0
84	MG	s3	301	1/1	0.83	0.29	84,84,84,84	0
84	MG	1	3972	1/1	0.83	0.20	65,65,65,65	0
84	MG	5	3944	1/1	0.83	0.67	61,61,61,61	0
84	MG	1	3824	1/1	0.83	0.37	62,62,62,62	0
84	MG	1	3935	1/1	0.83	0.26	68,68,68,68	0
84	MG	m3	203	1/1	0.83	0.48	81,81,81,81	0
84	MG	5	3691	1/1	0.83	0.43	74,74,74,74	0
84	MG	d3	202	1/1	0.83	0.35	69,69,69,69	0
84	MG	1	3445	1/1	0.83	0.41	64,64,64,64	0
84	MG	1	3695	1/1	0.83	0.64	67,67,67,67	0
84	MG	6	1998	1/1	0.83	0.26	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	4101	1/1	0.83	0.21	75,75,75,75	0
84	MG	1	3941	1/1	0.83	0.17	66,66,66,66	0
85	LLL	5	4173	31/31	0.83	0.30	106,106,107,107	31
84	MG	m6	205	1/1	0.83	0.27	51,51,51,51	1
85	LLL	6	2174	31/31	0.83	0.29	81,81,81,81	31
84	MG	1	3837	1/1	0.83	0.48	58,58,58,58	0
84	MG	1	3502	1/1	0.83	0.37	64,64,64,64	0
84	MG	5	3709	1/1	0.84	0.17	75,75,75,75	0
84	MG	5	3710	1/1	0.84	0.24	72,72,72,72	0
84	MG	2	1947	1/1	0.84	0.48	92,92,92,92	0
84	MG	6	2027	1/1	0.84	0.19	61,61,61,61	0
84	MG	5	3551	1/1	0.84	0.48	56,56,56,56	0
84	MG	2	1952	1/1	0.84	0.47	99,99,99,99	0
84	MG	1	3908	1/1	0.84	0.36	60,60,60,60	0
84	MG	1	3624	1/1	0.84	0.23	74,74,74,74	0
84	MG	1	3554	1/1	0.84	0.21	67,67,67,67	0
84	MG	2	2031	1/1	0.84	0.35	105,105,105,105	0
84	MG	2	1956	1/1	0.84	0.38	72,72,72,72	0
84	MG	6	2061	1/1	0.84	0.20	80,80,80,80	0
84	MG	5	3940	1/1	0.84	0.36	71,71,71,71	0
84	MG	5	3571	1/1	0.84	0.18	77,77,77,77	0
84	MG	1	3790	1/1	0.84	0.33	78,78,78,78	0
84	MG	1	3664	1/1	0.84	0.14	63,63,63,63	0
84	MG	1	3925	1/1	0.84	0.30	83,83,83,83	0
84	MG	1	3821	1/1	0.84	0.75	68,68,68,68	0
84	MG	2	2042	1/1	0.84	0.17	101,101,101,101	0
84	MG	6	2079	1/1	0.84	0.38	63,63,63,63	0
84	MG	1	3822	1/1	0.84	0.30	86,86,86,86	0
84	MG	6	2089	1/1	0.84	0.25	71,71,71,71	0
84	MG	5	4118	1/1	0.84	0.17	87,87,87,87	0
84	MG	6	2094	1/1	0.84	0.30	69,69,69,69	0
84	MG	1	3799	1/1	0.84	0.14	93,93,93,93	0
84	MG	n9	101	1/1	0.84	0.44	49,49,49,49	0
84	MG	5	4125	1/1	0.84	0.44	55,55,55,55	0
84	MG	5	4128	1/1	0.84	0.32	68,68,68,68	0
84	MG	5	3597	1/1	0.84	0.35	70,70,70,70	0
84	MG	5	3598	1/1	0.84	0.55	84,84,84,84	0
84	MG	5	4132	1/1	0.84	0.34	94,94,94,94	0
84	MG	1	3930	1/1	0.84	0.38	73,73,73,73	0
84	MG	5	3604	1/1	0.84	0.23	78,78,78,78	0
84	MG	6	1912	1/1	0.84	0.13	95,95,95,95	0
84	MG	5	4141	1/1	0.84	0.29	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	6	2123	1/1	0.84	0.59	142,142,142,142	0
84	MG	6	1917	1/1	0.84	0.28	89,89,89,89	0
84	MG	6	2125	1/1	0.84	0.22	71,71,71,71	0
84	MG	6	2127	1/1	0.84	0.44	76,76,76,76	0
84	MG	5	3609	1/1	0.84	0.20	87,87,87,87	0
84	MG	1	3576	1/1	0.84	0.26	72,72,72,72	0
84	MG	7	216	1/1	0.84	0.09	74,74,74,74	1
84	MG	1	3984	1/1	0.84	0.32	65,65,65,65	0
84	MG	7	222	1/1	0.84	0.13	66,66,66,66	0
84	MG	1	3718	1/1	0.84	0.26	60,60,60,60	0
84	MG	L9	201	1/1	0.84	0.27	59,59,59,59	0
84	MG	6	2144	1/1	0.84	0.15	76,76,76,76	0
84	MG	1	3884	1/1	0.84	0.22	80,80,80,80	0
84	MG	5	3823	1/1	0.84	0.20	57,57,57,57	1
84	MG	1	3666	1/1	0.84	0.27	72,72,72,72	0
84	MG	5	3414	1/1	0.84	0.51	54,54,54,54	0
84	MG	6	2154	1/1	0.84	0.15	78,78,78,78	0
84	MG	5	4004	1/1	0.84	0.32	80,80,80,80	0
84	MG	1	3834	1/1	0.84	0.70	70,70,70,70	0
84	MG	M3	204	1/1	0.84	0.29	69,69,69,69	0
84	MG	1	3543	1/1	0.84	0.64	51,51,51,51	0
84	MG	5	3660	1/1	0.84	0.17	96,96,96,96	0
84	MG	2	1908	1/1	0.84	0.37	104,104,104,104	0
84	MG	2	2003	1/1	0.84	0.28	118,118,118,118	0
84	MG	1	3896	1/1	0.84	0.19	73,73,73,73	0
84	MG	5	4023	1/1	0.84	0.17	58,58,58,58	1
84	MG	5	3688	1/1	0.84	0.39	73,73,73,73	0
84	MG	2	1914	1/1	0.84	0.50	83,83,83,83	0
84	MG	M5	302	1/1	0.84	0.32	58,58,58,58	0
84	MG	2	1923	1/1	0.84	0.41	87,87,87,87	0
84	MG	1	3730	1/1	0.84	0.38	65,65,65,65	0
84	MG	5	3509	1/1	0.84	0.48	65,65,65,65	0
84	MG	5	3512	1/1	0.84	0.36	56,56,56,56	0
84	MG	2	1930	1/1	0.84	0.71	81,81,81,81	0
85	LLL	1	4000	31/31	0.84	0.29	84,85,85,85	31
84	MG	1	3412	1/1	0.84	0.30	51,51,51,51	0
85	LLL	5	4176	31/31	0.84	0.27	74,74,74,74	31
84	MG	1	3623	1/1	0.84	0.35	68,68,68,68	0
85	LLL	7	233	31/31	0.84	0.23	82,82,82,82	31
84	MG	2	2020	1/1	0.84	0.21	111,111,111,111	0
84	MG	5	3891	1/1	0.84	0.70	75,75,75,75	0
84	MG	5	3543	1/1	0.84	0.32	52,52,52,52	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3965	1/1	0.85	0.32	67,67,67,67	1
84	MG	3	219	1/1	0.85	0.31	79,79,79,79	0
84	MG	1	3593	1/1	0.85	0.47	63,63,63,63	0
84	MG	6	2110	1/1	0.85	0.12	124,124,124,124	0
84	MG	1	3794	1/1	0.85	0.32	68,68,68,68	0
84	MG	1	3615	1/1	0.85	0.26	59,59,59,59	0
84	MG	1	3735	1/1	0.85	0.45	77,77,77,77	0
84	MG	6	2117	1/1	0.85	0.53	56,56,56,56	0
84	MG	5	4136	1/1	0.85	0.25	70,70,70,70	0
84	MG	6	1971	1/1	0.85	0.36	73,73,73,73	0
84	MG	5	4140	1/1	0.85	0.33	57,57,57,57	0
84	MG	6	1975	1/1	0.85	0.23	83,83,83,83	0
84	MG	m4	203	1/1	0.85	0.21	59,59,59,59	0
84	MG	1	3978	1/1	0.85	0.31	89,89,89,89	0
84	MG	5	4144	1/1	0.85	0.18	58,58,58,58	0
84	MG	5	4148	1/1	0.85	0.47	54,54,54,54	0
84	MG	1	3863	1/1	0.85	0.29	74,74,74,74	0
84	MG	5	3610	1/1	0.85	0.24	110,110,110,110	0
84	MG	1	3831	1/1	0.85	0.38	59,59,59,59	0
84	MG	1	3468	1/1	0.85	0.45	61,61,61,61	0
84	MG	1	3785	1/1	0.85	0.26	73,73,73,73	0
84	MG	m8	201	1/1	0.85	0.28	55,55,55,55	0
84	MG	5	3800	1/1	0.85	0.21	69,69,69,69	0
84	MG	1	3878	1/1	0.85	0.44	60,60,60,60	0
84	MG	6	2145	1/1	0.85	0.20	77,77,77,77	0
84	MG	5	3441	1/1	0.85	0.25	72,72,72,72	0
84	MG	7	229	1/1	0.85	0.27	72,72,72,72	0
84	MG	n0	206	1/1	0.85	0.44	48,48,48,48	0
84	MG	5	3969	1/1	0.85	0.49	70,70,70,70	0
84	MG	5	3881	1/1	0.85	0.43	63,63,63,63	0
84	MG	1	3905	1/1	0.85	0.22	76,76,76,76	0
84	MG	5	4077	1/1	0.85	0.26	70,70,70,70	0
84	MG	L3	402	1/1	0.85	0.58	60,60,60,60	0
84	MG	2	2009	1/1	0.85	0.19	117,117,117,117	0
84	MG	q2	504	1/1	0.85	0.56	60,60,60,60	0
84	MG	5	3650	1/1	0.85	0.51	80,80,80,80	0
84	MG	5	3477	1/1	0.85	0.42	60,60,60,60	0
84	MG	5	3822	1/1	0.85	0.16	60,60,60,60	0
84	MG	5	3653	1/1	0.85	0.26	76,76,76,76	0
84	MG	5	3919	1/1	0.85	0.30	51,51,51,51	0
84	MG	6	1906	1/1	0.85	0.29	76,76,76,76	0
84	MG	5	4099	1/1	0.85	0.27	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3732	1/1	0.85	0.32	70,70,70,70	0
84	MG	5	3923	1/1	0.85	0.90	67,67,67,67	0
84	MG	5	3924	1/1	0.85	0.30	56,56,56,56	0
84	MG	1	3700	1/1	0.85	0.91	52,52,52,52	0
84	MG	1	3961	1/1	0.85	0.18	80,80,80,80	0
84	MG	6	1929	1/1	0.85	0.38	69,69,69,69	0
85	LLL	1	4002	31/31	0.85	0.35	136,137,137,137	0
85	LLL	4	224	31/31	0.85	0.36	99,99,99,99	0
84	MG	l3	407	1/1	0.85	0.33	55,55,55,55	0
85	LLL	5	4175	31/31	0.85	0.29	60,60,60,60	31
84	MG	6	2083	1/1	0.85	0.29	78,78,78,78	0
84	MG	5	4116	1/1	0.85	0.13	82,82,82,82	0
84	MG	5	3935	1/1	0.85	0.28	52,52,52,52	0
84	MG	5	4020	1/1	0.85	0.34	72,72,72,72	0
85	LLL	6	2175	31/31	0.85	0.30	66,66,66,66	31
84	MG	1	3413	1/1	0.85	0.21	55,55,55,55	1
84	MG	5	3837	1/1	0.85	0.30	72,72,72,72	0
84	MG	1	3835	1/1	0.86	0.24	58,58,58,58	0
84	MG	6	2073	1/1	0.86	0.27	80,80,80,80	0
84	MG	5	3649	1/1	0.86	0.14	63,63,63,63	1
84	MG	1	3547	1/1	0.86	0.30	65,65,65,65	0
84	MG	5	4035	1/1	0.86	0.27	76,76,76,76	0
84	MG	1	3609	1/1	0.86	0.36	52,52,52,52	0
84	MG	5	3528	1/1	0.86	0.89	56,56,56,56	0
84	MG	5	4043	1/1	0.86	0.33	51,51,51,51	0
84	MG	6	1916	1/1	0.86	0.22	94,94,94,94	0
84	MG	3	205	1/1	0.86	0.21	61,61,61,61	1
84	MG	1	3841	1/1	0.86	0.45	92,92,92,92	0
84	MG	2	2038	1/1	0.86	0.12	117,117,117,117	0
84	MG	5	3806	1/1	0.86	0.39	73,73,73,73	0
84	MG	5	3674	1/1	0.86	0.45	65,65,65,65	0
84	MG	5	4059	1/1	0.86	0.37	66,66,66,66	0
84	MG	5	3550	1/1	0.86	0.39	59,59,59,59	0
84	MG	2	1989	1/1	0.86	0.10	114,114,114,114	0
84	MG	6	1938	1/1	0.86	0.36	59,59,59,59	0
84	MG	5	4067	1/1	0.86	0.24	76,76,76,76	0
84	MG	5	4069	1/1	0.86	0.12	110,110,110,110	0
84	MG	1	3813	1/1	0.86	0.29	80,80,80,80	0
84	MG	5	3557	1/1	0.86	0.24	62,62,62,62	1
84	MG	3	209	1/1	0.86	0.18	70,70,70,70	0
84	MG	6	1947	1/1	0.86	0.42	64,64,64,64	0
84	MG	1	3903	1/1	0.86	0.23	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	l3	403	1/1	0.86	0.45	43,43,43,43	0
84	MG	5	3950	1/1	0.86	0.66	61,61,61,61	0
84	MG	5	3951	1/1	0.86	0.92	68,68,68,68	0
84	MG	6	2133	1/1	0.86	0.20	84,84,84,84	0
84	MG	1	3774	1/1	0.86	0.30	61,61,61,61	0
84	MG	1	3569	1/1	0.86	0.16	75,75,75,75	0
84	MG	5	4084	1/1	0.86	0.19	96,96,96,96	0
84	MG	1	3622	1/1	0.86	0.38	87,87,87,87	0
84	MG	M7	201	1/1	0.86	0.29	59,59,59,59	0
84	MG	5	3962	1/1	0.86	0.53	95,95,95,95	0
84	MG	1	3703	1/1	0.86	0.47	65,65,65,65	0
84	MG	5	3576	1/1	0.86	0.33	52,52,52,52	0
84	MG	1	3476	1/1	0.86	0.49	54,54,54,54	0
84	MG	5	3403	1/1	0.86	0.37	54,54,54,54	0
84	MG	1	3791	1/1	0.86	0.18	83,83,83,83	0
84	MG	6	1990	1/1	0.86	0.26	73,73,73,73	0
84	MG	2	1942	1/1	0.86	0.45	84,84,84,84	0
84	MG	5	3972	1/1	0.86	0.45	60,60,60,60	0
84	MG	1	3641	1/1	0.86	0.29	104,104,104,104	0
84	MG	1	3875	1/1	0.86	0.37	64,64,64,64	0
84	MG	1	3573	1/1	0.86	0.13	65,65,65,65	0
84	MG	5	3981	1/1	0.86	0.31	46,46,46,46	0
84	MG	1	3969	1/1	0.86	0.34	72,72,72,72	0
84	MG	c3	202	1/1	0.86	0.29	87,87,87,87	0
84	MG	1	3747	1/1	0.86	0.23	71,71,71,71	0
84	MG	5	3453	1/1	0.86	0.36	56,56,56,56	0
84	MG	2	2019	1/1	0.86	0.09	127,127,127,127	0
84	MG	6	2023	1/1	0.86	0.19	79,79,79,79	0
84	MG	d3	204	1/1	0.86	0.27	66,66,66,66	0
84	MG	m7	203	1/1	0.86	0.38	63,63,63,63	0
84	MG	1	3626	1/1	0.86	0.26	63,63,63,63	0
84	MG	1	3828	1/1	0.86	0.58	67,67,67,67	0
84	MG	5	3880	1/1	0.86	0.22	73,73,73,73	0
84	MG	1	3466	1/1	0.86	0.45	54,54,54,54	0
84	MG	1	3431	1/1	0.86	0.35	56,56,56,56	0
84	MG	1	3979	1/1	0.86	0.19	69,69,69,69	0
84	MG	5	3894	1/1	0.86	0.51	72,72,72,72	0
85	LLL	2	2044	31/31	0.86	0.28	116,116,116,116	0
85	LLL	2	2045	31/31	0.86	0.41	117,117,117,118	0
85	LLL	5	4156	31/31	0.86	0.28	83,84,84,84	31
84	MG	5	4146	1/1	0.86	0.22	63,63,63,63	0
84	MG	5	3494	1/1	0.86	0.23	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3627	1/1	0.86	0.32	53,53,53,53	1
85	LLL	5	4177	31/31	0.86	0.32	51,51,51,51	31
84	MG	5	4150	1/1	0.86	0.19	81,81,81,81	0
85	LLL	7	232	31/31	0.86	0.34	81,81,81,81	31
84	MG	q1	102	1/1	0.86	0.34	64,64,64,64	0
85	LLL	6	2173	31/31	0.86	0.35	102,102,103,103	31
84	MG	L4	401	1/1	0.86	0.32	69,69,69,69	0
84	MG	7	214	1/1	0.86	0.33	80,80,80,80	0
84	MG	5	3781	1/1	0.86	0.21	56,56,56,56	0
84	MG	1	3592	1/1	0.86	0.35	62,62,62,62	1
84	MG	5	3744	1/1	0.87	0.40	65,65,65,65	0
84	MG	5	3749	1/1	0.87	0.39	77,77,77,77	0
84	MG	3	207	1/1	0.87	0.21	58,58,58,58	0
84	MG	5	3523	1/1	0.87	0.33	55,55,55,55	0
84	MG	5	3618	1/1	0.87	0.43	83,83,83,83	0
84	MG	5	3874	1/1	0.87	0.27	70,70,70,70	0
84	MG	1	3727	1/1	0.87	0.48	55,55,55,55	0
84	MG	l5	306	1/1	0.87	0.13	70,70,70,70	0
84	MG	1	3687	1/1	0.87	0.36	51,51,51,51	0
84	MG	5	4115	1/1	0.87	0.44	59,59,59,59	0
84	MG	1	3691	1/1	0.87	0.26	59,59,59,59	0
84	MG	6	1961	1/1	0.87	0.29	75,75,75,75	0
84	MG	1	3488	1/1	0.87	0.26	73,73,73,73	0
84	MG	5	3887	1/1	0.87	0.12	84,84,84,84	0
84	MG	5	4006	1/1	0.87	0.44	64,64,64,64	0
84	MG	1	3819	1/1	0.87	0.30	80,80,80,80	0
84	MG	2	1968	1/1	0.87	0.29	95,95,95,95	0
84	MG	2	1917	1/1	0.87	0.22	88,88,88,88	0
84	MG	6	2131	1/1	0.87	0.16	89,89,89,89	0
84	MG	3	213	1/1	0.87	0.14	90,90,90,90	0
84	MG	m5	302	1/1	0.87	0.33	71,71,71,71	0
84	MG	1	3913	1/1	0.87	0.29	59,59,59,59	0
84	MG	6	1984	1/1	0.87	0.18	89,89,89,89	0
84	MG	1	3620	1/1	0.87	0.66	65,65,65,65	0
84	MG	5	3907	1/1	0.87	0.33	41,41,41,41	0
84	MG	1	3713	1/1	0.87	0.12	81,81,81,81	0
84	MG	1	3459	1/1	0.87	0.47	61,61,61,61	0
84	MG	2	2025	1/1	0.87	0.20	123,123,123,123	0
84	MG	4	204	1/1	0.87	0.30	69,69,69,69	0
84	MG	6	2152	1/1	0.87	0.19	68,68,68,68	0
84	MG	2	1941	1/1	0.87	0.36	60,60,60,60	0
84	MG	5	3925	1/1	0.87	0.31	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	6	2160	1/1	0.87	0.29	88,88,88,88	0
84	MG	2	2028	1/1	0.87	0.21	117,117,117,117	0
84	MG	5	4034	1/1	0.87	0.24	68,68,68,68	0
84	MG	6	2163	1/1	0.87	0.43	66,66,66,66	1
84	MG	5	3446	1/1	0.87	0.33	53,53,53,53	0
84	MG	6	2010	1/1	0.87	0.33	68,68,68,68	0
84	MG	n0	201	1/1	0.87	0.15	68,68,68,68	0
84	MG	2	2029	1/1	0.87	0.18	110,110,110,110	0
84	MG	5	3454	1/1	0.87	0.42	46,46,46,46	0
84	MG	5	3809	1/1	0.87	0.20	60,60,60,60	0
84	MG	5	3938	1/1	0.87	0.16	66,66,66,66	0
84	MG	5	3581	1/1	0.87	0.45	53,53,53,53	0
84	MG	5	4051	1/1	0.87	0.31	77,77,77,77	0
84	MG	o2	203	1/1	0.87	0.27	51,51,51,51	0
84	MG	o3	201	1/1	0.87	0.23	56,56,56,56	0
84	MG	1	3775	1/1	0.87	0.36	62,62,62,62	0
84	MG	7	228	1/1	0.87	0.27	73,73,73,73	0
84	MG	5	3466	1/1	0.87	0.34	50,50,50,50	0
84	MG	1	3582	1/1	0.87	0.28	65,65,65,65	0
84	MG	2	1951	1/1	0.87	0.70	95,95,95,95	0
84	MG	1	3784	1/1	0.87	0.51	72,72,72,72	0
84	MG	5	3947	1/1	0.87	0.48	57,57,57,57	0
84	MG	5	3698	1/1	0.87	0.32	81,81,81,81	0
84	MG	5	3596	1/1	0.87	0.34	82,82,82,82	0
84	MG	5	3484	1/1	0.87	0.47	74,74,74,74	0
84	MG	1	3549	1/1	0.87	0.27	67,67,67,67	0
85	LLL	5	4155	31/31	0.87	0.30	81,81,82,82	0
84	MG	5	3491	1/1	0.87	0.14	62,62,62,62	0
85	LLL	5	4169	31/31	0.87	0.31	51,51,51,51	31
85	LLL	5	4171	31/31	0.87	0.24	107,107,107,107	0
84	MG	6	1914	1/1	0.87	0.08	114,114,114,114	0
85	LLL	5	4174	31/31	0.87	0.33	47,47,47,47	31
84	MG	1	3625	1/1	0.87	0.17	71,71,71,71	0
84	MG	5	3605	1/1	0.87	0.12	76,76,76,76	0
84	MG	5	3608	1/1	0.87	0.13	95,95,95,95	0
84	MG	1	3869	1/1	0.87	0.39	62,62,62,62	0
84	MG	6	1921	1/1	0.87	0.22	76,76,76,76	0
84	MG	2	2005	1/1	0.87	0.16	83,83,83,83	0
84	MG	6	2091	1/1	0.87	0.49	68,68,68,68	0
84	MG	S1	301	1/1	0.87	0.27	94,94,94,94	0
84	MG	5	3741	1/1	0.87	0.45	58,58,58,58	0
84	MG	6	2101	1/1	0.87	0.34	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3743	1/1	0.87	0.44	61,61,61,61	0
84	MG	1	3692	1/1	0.88	0.39	64,64,64,64	0
84	MG	6	1954	1/1	0.88	0.27	80,80,80,80	0
84	MG	5	3932	1/1	0.88	0.25	52,52,52,52	0
84	MG	5	4133	1/1	0.88	0.28	114,114,114,114	0
84	MG	6	1966	1/1	0.88	0.18	73,73,73,73	0
84	MG	m4	205	1/1	0.88	0.15	58,58,58,58	0
84	MG	2	1935	1/1	0.88	0.44	66,66,66,66	0
84	MG	m5	301	1/1	0.88	0.29	62,62,62,62	0
84	MG	4	218	1/1	0.88	0.23	60,60,60,60	0
84	MG	5	3718	1/1	0.88	0.34	68,68,68,68	0
84	MG	1	3910	1/1	0.88	0.64	56,56,56,56	0
84	MG	5	3723	1/1	0.88	0.26	74,74,74,74	0
84	MG	N3	203	1/1	0.88	0.25	75,75,75,75	0
84	MG	2	1946	1/1	0.88	0.55	80,80,80,80	0
84	MG	5	3941	1/1	0.88	0.62	78,78,78,78	0
84	MG	4	222	1/1	0.88	0.20	79,79,79,79	0
84	MG	1	3546	1/1	0.88	0.27	63,63,63,63	0
84	MG	1	3487	1/1	0.88	0.27	79,79,79,79	0
84	MG	7	205	1/1	0.88	0.38	55,55,55,55	0
84	MG	5	4047	1/1	0.88	0.33	52,52,52,52	0
84	MG	5	3850	1/1	0.88	0.24	58,58,58,58	0
84	MG	6	2147	1/1	0.88	0.18	78,78,78,78	0
84	MG	m9	202	1/1	0.88	0.62	90,90,90,90	0
84	MG	5	3629	1/1	0.88	0.33	60,60,60,60	0
84	MG	5	3632	1/1	0.88	0.38	49,49,49,49	0
84	MG	O2	202	1/1	0.88	0.32	55,55,55,55	0
84	MG	7	224	1/1	0.88	0.18	71,71,71,71	0
84	MG	L3	401	1/1	0.88	0.17	76,76,76,76	0
84	MG	1	3440	1/1	0.88	0.23	82,82,82,82	0
84	MG	1	3586	1/1	0.88	0.28	58,58,58,58	0
84	MG	5	3763	1/1	0.88	0.35	78,78,78,78	0
84	MG	5	4065	1/1	0.88	0.36	58,58,58,58	0
84	MG	5	3424	1/1	0.88	0.32	54,54,54,54	0
84	MG	1	3812	1/1	0.88	0.19	82,82,82,82	0
84	MG	1	3503	1/1	0.88	0.31	61,61,61,61	0
84	MG	5	3873	1/1	0.88	0.27	71,71,71,71	0
84	MG	1	3838	1/1	0.88	0.32	50,50,50,50	0
84	MG	1	3455	1/1	0.88	0.42	70,70,70,70	0
84	MG	1	3452	1/1	0.88	0.19	65,65,65,65	0
84	MG	6	2039	1/1	0.88	0.20	83,83,83,83	0
84	MG	1	3970	1/1	0.88	0.42	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	6	2050	1/1	0.88	0.17	71,71,71,71	0
84	MG	M3	202	1/1	0.88	0.20	80,80,80,80	0
84	MG	5	3455	1/1	0.88	0.34	55,55,55,55	0
84	MG	5	3456	1/1	0.88	0.23	53,53,53,53	0
84	MG	5	3893	1/1	0.88	0.62	65,65,65,65	0
84	MG	3	217	1/1	0.88	0.13	100,100,100,100	0
84	MG	6	1915	1/1	0.88	0.13	74,74,74,74	0
84	MG	1	3786	1/1	0.88	0.78	70,70,70,70	0
85	LLL	1	3995	31/31	0.88	0.24	124,125,125,125	0
85	LLL	1	3996	31/31	0.88	0.28	107,107,108,108	31
85	LLL	1	3997	31/31	0.88	0.36	108,108,108,108	0
84	MG	1	3973	1/1	0.88	0.34	64,64,64,64	0
85	LLL	1	4001	31/31	0.88	0.22	121,121,121,121	0
84	MG	6	2067	1/1	0.88	0.24	92,92,92,92	0
84	MG	6	2068	1/1	0.88	0.14	83,83,83,83	0
84	MG	2	1912	1/1	0.88	0.55	86,86,86,86	0
84	MG	6	1919	1/1	0.88	0.11	80,80,80,80	0
84	MG	5	4001	1/1	0.88	0.25	59,59,59,59	0
84	MG	5	4002	1/1	0.88	0.22	64,64,64,64	0
84	MG	1	3570	1/1	0.88	0.34	71,71,71,71	0
84	MG	1	3654	1/1	0.88	0.34	53,53,53,53	0
84	MG	5	3909	1/1	0.88	0.27	48,48,48,48	1
84	MG	5	3910	1/1	0.88	0.27	52,52,52,52	0
84	MG	1	3710	1/1	0.88	0.28	90,90,90,90	0
84	MG	6	2093	1/1	0.88	0.25	75,75,75,75	0
84	MG	1	3683	1/1	0.88	0.29	64,64,64,64	0
84	MG	5	4014	1/1	0.88	0.32	62,62,62,62	0
85	LLL	7	231	31/31	0.88	0.20	81,82,82,82	31
84	MG	6	1941	1/1	0.88	0.45	66,66,66,66	1
84	MG	5	4119	1/1	0.88	0.09	142,142,142,142	0
84	MG	l9	202	1/1	0.88	0.35	58,58,58,58	0
84	MG	1	3611	1/1	0.88	0.40	47,47,47,47	0
84	MG	1	3660	1/1	0.88	0.15	72,72,72,72	0
84	MG	1	3614	1/1	0.88	0.32	58,58,58,58	0
84	MG	5	3510	1/1	0.88	0.27	62,62,62,62	0
84	MG	1	3677	1/1	0.89	0.54	66,66,66,66	0
84	MG	5	3420	1/1	0.89	0.29	50,50,50,50	0
84	MG	8	204	1/1	0.89	0.30	70,70,70,70	0
84	MG	6	2102	1/1	0.89	0.29	80,80,80,80	0
84	MG	1	3462	1/1	0.89	0.21	54,54,54,54	1
84	MG	2	1958	1/1	0.89	0.15	108,108,108,108	0
84	MG	5	3657	1/1	0.89	0.27	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3431	1/1	0.89	0.33	53,53,53,53	0
84	MG	5	4053	1/1	0.89	0.15	94,94,94,94	0
84	MG	1	3661	1/1	0.89	0.26	78,78,78,78	0
84	MG	5	3435	1/1	0.89	0.20	50,50,50,50	0
84	MG	6	1936	1/1	0.89	0.79	65,65,65,65	0
84	MG	5	4058	1/1	0.89	0.13	95,95,95,95	0
84	MG	1	3451	1/1	0.89	0.11	69,69,69,69	0
84	MG	1	3887	1/1	0.89	0.35	55,55,55,55	0
84	MG	1	3524	1/1	0.89	0.40	71,71,71,71	0
84	MG	5	3567	1/1	0.89	0.19	62,62,62,62	0
84	MG	1	3931	1/1	0.89	0.25	79,79,79,79	0
84	MG	5	3448	1/1	0.89	0.35	49,49,49,49	0
84	MG	5	3449	1/1	0.89	0.42	50,50,50,50	0
84	MG	5	3821	1/1	0.89	0.27	53,53,53,53	0
84	MG	6	1949	1/1	0.89	0.18	74,74,74,74	0
84	MG	2	1911	1/1	0.89	0.16	91,91,91,91	0
84	MG	1	3489	1/1	0.89	0.24	79,79,79,79	0
84	MG	M7	203	1/1	0.89	0.22	59,59,59,59	0
84	MG	1	3806	1/1	0.89	0.24	65,65,65,65	0
84	MG	5	3829	1/1	0.89	0.20	57,57,57,57	0
84	MG	1	3898	1/1	0.89	0.09	99,99,99,99	0
84	MG	l6	201	1/1	0.89	0.26	60,60,60,60	0
84	MG	5	3834	1/1	0.89	0.32	60,60,60,60	0
84	MG	5	3699	1/1	0.89	0.31	63,63,63,63	0
84	MG	5	3592	1/1	0.89	0.33	57,57,57,57	0
84	MG	l9	204	1/1	0.89	0.21	57,57,57,57	0
84	MG	1	3899	1/1	0.89	0.11	82,82,82,82	0
84	MG	5	3964	1/1	0.89	0.59	82,82,82,82	0
84	MG	1	3402	1/1	0.89	0.24	60,60,60,60	0
84	MG	5	3474	1/1	0.89	0.18	67,67,67,67	0
84	MG	2	1924	1/1	0.89	0.24	90,90,90,90	0
84	MG	m3	204	1/1	0.89	0.35	59,59,59,59	0
84	MG	5	3845	1/1	0.89	0.24	48,48,48,48	1
84	MG	5	3846	1/1	0.89	0.21	55,55,55,55	0
84	MG	m4	204	1/1	0.89	0.38	57,57,57,57	0
84	MG	1	3901	1/1	0.89	0.20	74,74,74,74	0
84	MG	5	3971	1/1	0.89	0.84	72,72,72,72	0
84	MG	1	3988	1/1	0.89	0.23	53,53,53,53	0
84	MG	s5	301	1/1	0.89	0.38	74,74,74,74	0
84	MG	s5	302	1/1	0.89	0.31	76,76,76,76	0
84	MG	5	3486	1/1	0.89	0.31	52,52,52,52	0
84	MG	1	3864	1/1	0.89	0.21	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	m6	201	1/1	0.89	0.25	52,52,52,52	0
84	MG	5	3977	1/1	0.89	0.27	67,67,67,67	0
84	MG	2	1993	1/1	0.89	0.21	99,99,99,99	0
84	MG	c3	205	1/1	0.89	0.28	84,84,84,84	0
84	MG	c4	201	1/1	0.89	0.20	87,87,87,87	0
84	MG	c8	202	1/1	0.89	0.19	75,75,75,75	0
84	MG	1	3808	1/1	0.89	0.24	71,71,71,71	0
84	MG	5	4126	1/1	0.89	0.48	60,60,60,60	0
84	MG	5	3729	1/1	0.89	0.36	57,57,57,57	0
84	MG	5	3990	1/1	0.89	0.34	47,47,47,47	0
84	MG	5	3862	1/1	0.89	0.34	67,67,67,67	0
84	MG	5	3730	1/1	0.89	0.30	74,74,74,74	0
84	MG	2	1939	1/1	0.89	0.26	80,80,80,80	0
84	MG	5	3736	1/1	0.89	0.43	59,59,59,59	0
84	MG	5	3495	1/1	0.89	0.26	58,58,58,58	0
84	MG	5	3496	1/1	0.89	0.24	56,56,56,56	0
84	MG	1	3867	1/1	0.89	0.33	59,59,59,59	0
84	MG	6	2038	1/1	0.89	0.30	85,85,85,85	0
85	LLL	1	3998	31/31	0.89	0.35	99,100,100,100	31
85	LLL	1	3999	31/31	0.89	0.29	85,86,86,86	31
84	MG	5	3746	1/1	0.89	0.41	40,40,40,40	0
84	MG	5	4143	1/1	0.89	0.17	72,72,72,72	0
84	MG	5	3748	1/1	0.89	0.33	46,46,46,46	0
84	MG	6	2053	1/1	0.89	0.16	74,74,74,74	0
84	MG	1	3443	1/1	0.89	0.26	58,58,58,58	0
84	MG	5	3620	1/1	0.89	0.13	65,65,65,65	0
84	MG	n8	202	1/1	0.89	0.20	73,73,73,73	0
84	MG	5	3621	1/1	0.89	0.15	77,77,77,77	0
85	LLL	5	4158	31/31	0.89	0.28	60,60,60,60	31
85	LLL	5	4166	31/31	0.89	0.26	77,78,78,78	31
84	MG	5	3888	1/1	0.89	0.32	62,62,62,62	0
84	MG	1	3512	1/1	0.89	0.50	66,66,66,66	0
84	MG	1	3753	1/1	0.89	0.46	64,64,64,64	0
84	MG	7	209	1/1	0.89	0.12	64,64,64,64	0
84	MG	7	212	1/1	0.89	0.25	65,65,65,65	0
84	MG	5	3762	1/1	0.89	0.38	65,65,65,65	0
84	MG	1	3653	1/1	0.89	0.26	59,59,59,59	0
84	MG	5	3628	1/1	0.89	0.40	60,60,60,60	0
84	MG	5	3765	1/1	0.89	0.24	64,64,64,64	0
84	MG	2	1949	1/1	0.89	0.32	102,102,102,102	0
84	MG	1	3877	1/1	0.89	0.31	68,68,68,68	0
84	MG	5	3769	1/1	0.89	0.23	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3441	1/1	0.89	0.33	62,62,62,62	0
84	MG	5	3530	1/1	0.89	0.37	47,47,47,47	1
84	MG	1	3915	1/1	0.89	0.16	78,78,78,78	0
84	MG	1	3632	1/1	0.89	0.10	72,72,72,72	0
84	MG	5	3631	1/1	0.90	0.21	55,55,55,55	0
84	MG	1	3916	1/1	0.90	0.15	70,70,70,70	0
84	MG	5	3978	1/1	0.90	0.37	51,51,51,51	0
84	MG	1	3702	1/1	0.90	0.63	64,64,64,64	0
84	MG	l7	303	1/1	0.90	0.20	56,56,56,56	0
84	MG	5	3756	1/1	0.90	0.38	61,61,61,61	0
84	MG	1	3572	1/1	0.90	0.17	70,70,70,70	0
84	MG	l9	203	1/1	0.90	0.24	49,49,49,49	0
84	MG	5	3875	1/1	0.90	0.39	80,80,80,80	0
84	MG	5	3642	1/1	0.90	0.47	52,52,52,52	0
84	MG	5	3433	1/1	0.90	0.38	48,48,48,48	0
84	MG	5	3647	1/1	0.90	0.36	58,58,58,58	0
84	MG	4	213	1/1	0.90	0.42	80,80,80,80	0
84	MG	5	3554	1/1	0.90	0.22	60,60,60,60	0
84	MG	1	3924	1/1	0.90	0.35	65,65,65,65	0
84	MG	6	2136	1/1	0.90	0.16	85,85,85,85	0
84	MG	N8	202	1/1	0.90	0.72	73,73,73,73	0
84	MG	1	3825	1/1	0.90	0.74	77,77,77,77	0
84	MG	5	3779	1/1	0.90	0.38	67,67,67,67	0
84	MG	1	3680	1/1	0.90	0.35	59,59,59,59	0
84	MG	5	4013	1/1	0.90	0.31	58,58,58,58	0
84	MG	1	3550	1/1	0.90	0.24	69,69,69,69	0
84	MG	1	3798	1/1	0.90	0.36	60,60,60,60	0
84	MG	5	4138	1/1	0.90	0.24	48,48,48,48	0
84	MG	1	3708	1/1	0.90	0.38	66,66,66,66	0
84	MG	L2	305	1/1	0.90	0.31	60,60,60,60	0
84	MG	1	3709	1/1	0.90	0.27	60,60,60,60	0
84	MG	1	3551	1/1	0.90	0.22	68,68,68,68	0
84	MG	m6	206	1/1	0.90	0.36	51,51,51,51	0
84	MG	2	1962	1/1	0.90	0.19	100,100,100,100	0
84	MG	5	3801	1/1	0.90	0.17	61,61,61,61	0
84	MG	5	3921	1/1	0.90	0.19	52,52,52,52	0
84	MG	m7	205	1/1	0.90	0.21	53,53,53,53	0
84	MG	1	3757	1/1	0.90	0.56	62,62,62,62	0
84	MG	6	2008	1/1	0.90	0.25	67,67,67,67	0
84	MG	s4	301	1/1	0.90	0.23	103,103,103,103	0
84	MG	5	3460	1/1	0.90	0.20	49,49,49,49	0
84	MG	6	2012	1/1	0.90	0.21	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3804	1/1	0.90	0.06	73,73,73,73	1
84	MG	L4	404	1/1	0.90	0.58	59,59,59,59	0
84	MG	5	3590	1/1	0.90	0.35	59,59,59,59	0
84	MG	5	3467	1/1	0.90	0.25	48,48,48,48	0
84	MG	5	3933	1/1	0.90	0.34	55,55,55,55	0
84	MG	1	3564	1/1	0.90	0.14	71,71,71,71	0
84	MG	1	3552	1/1	0.90	0.14	84,84,84,84	0
84	MG	6	2028	1/1	0.90	0.12	99,99,99,99	0
84	MG	2	1972	1/1	0.90	0.22	88,88,88,88	0
84	MG	n1	202	1/1	0.90	0.26	61,61,61,61	0
84	MG	1	3714	1/1	0.90	0.16	90,90,90,90	0
84	MG	5	3700	1/1	0.90	0.32	65,65,65,65	0
84	MG	7	226	1/1	0.90	0.14	72,72,72,72	0
84	MG	d6	103	1/1	0.90	0.24	77,77,77,77	0
84	MG	n8	203	1/1	0.90	0.20	70,70,70,70	0
84	MG	1	3939	1/1	0.90	0.30	61,61,61,61	0
84	MG	2	1907	1/1	0.90	0.17	95,95,95,95	0
84	MG	1	3536	1/1	0.90	0.31	64,64,64,64	0
84	MG	5	3602	1/1	0.90	0.26	81,81,81,81	0
84	MG	1	3642	1/1	0.90	0.25	71,71,71,71	0
84	MG	1	3767	1/1	0.90	0.56	57,57,57,57	0
84	MG	5	3714	1/1	0.90	0.23	71,71,71,71	0
84	MG	5	3606	1/1	0.90	0.10	84,84,84,84	0
84	MG	1	3768	1/1	0.90	0.44	67,67,67,67	0
84	MG	1	3645	1/1	0.90	0.55	55,55,55,55	0
84	MG	1	3724	1/1	0.90	0.15	63,63,63,63	0
85	LLL	1	4004	31/31	0.90	0.23	100,101,101,101	31
84	MG	6	1902	1/1	0.90	0.34	51,51,51,51	0
84	MG	1	3538	1/1	0.90	0.35	64,64,64,64	0
84	MG	8	211	1/1	0.90	0.58	63,63,63,63	0
84	MG	1	3424	1/1	0.90	0.38	61,61,61,61	0
84	MG	5	3844	1/1	0.90	0.28	52,52,52,52	0
84	MG	1	3500	1/1	0.90	0.51	68,68,68,68	0
85	LLL	5	4162	31/31	0.90	0.16	117,118,118,118	0
84	MG	1	3618	1/1	0.90	0.61	58,58,58,58	1
85	LLL	5	4167	31/31	0.90	0.17	125,126,126,126	0
84	MG	8	218	1/1	0.90	0.32	84,84,84,84	0
84	MG	5	3619	1/1	0.90	0.18	86,86,86,86	0
84	MG	5	3854	1/1	0.90	0.23	60,60,60,60	0
84	MG	5	4082	1/1	0.90	0.13	71,71,71,71	0
84	MG	1	3911	1/1	0.90	0.40	56,56,56,56	0
84	MG	2	2002	1/1	0.90	0.47	117,117,117,117	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3525	1/1	0.90	0.17	51,51,51,51	1
84	MG	6	1927	1/1	0.90	0.28	78,78,78,78	0
84	MG	1	3737	1/1	0.90	0.33	73,73,73,73	0
84	MG	5	3747	1/1	0.90	0.24	46,46,46,46	0
84	MG	l3	409	1/1	0.90	0.22	70,70,70,70	0
85	LLL	8	221	31/31	0.90	0.22	100,100,100,100	31
85	LLL	8	222	31/31	0.90	0.36	102,102,102,102	31
85	LLL	6	2168	31/31	0.90	0.24	86,86,86,87	0
85	LLL	6	2172	31/31	0.90	0.26	103,104,104,104	0
84	MG	4	205	1/1	0.90	0.20	87,87,87,87	0
84	MG	1	3874	1/1	0.90	0.21	66,66,66,66	0
84	MG	l4	1101	1/1	0.90	0.29	65,65,65,65	0
84	MG	l4	1102	1/1	0.90	0.27	57,57,57,57	0
84	MG	1	3672	1/1	0.90	0.31	52,52,52,52	0
84	MG	5	3529	1/1	0.91	0.35	47,47,47,47	0
84	MG	m7	204	1/1	0.91	0.30	62,62,62,62	0
84	MG	5	4062	1/1	0.91	0.16	86,86,86,86	0
84	MG	6	2126	1/1	0.91	0.33	92,92,92,92	0
84	MG	6	1978	1/1	0.91	0.13	93,93,93,93	0
84	MG	5	3703	1/1	0.91	0.20	70,70,70,70	0
84	MG	5	3876	1/1	0.91	0.14	66,66,66,66	0
84	MG	5	3614	1/1	0.91	0.21	81,81,81,81	0
84	MG	5	4068	1/1	0.91	0.12	112,112,112,112	0
84	MG	6	2132	1/1	0.91	0.13	83,83,83,83	0
84	MG	1	3649	1/1	0.91	0.19	61,61,61,61	0
84	MG	1	3933	1/1	0.91	0.71	84,84,84,84	0
84	MG	1	3749	1/1	0.91	0.37	60,60,60,60	0
84	MG	1	3862	1/1	0.91	0.20	63,63,63,63	0
84	MG	6	2140	1/1	0.91	0.33	65,65,65,65	0
84	MG	2	1938	1/1	0.91	0.51	76,76,76,76	0
84	MG	5	3889	1/1	0.91	0.21	55,55,55,55	0
84	MG	1	3751	1/1	0.91	0.80	72,72,72,72	0
84	MG	5	4079	1/1	0.91	0.14	70,70,70,70	0
84	MG	5	3892	1/1	0.91	0.80	68,68,68,68	0
84	MG	1	3912	1/1	0.91	0.17	58,58,58,58	0
84	MG	5	3553	1/1	0.91	0.39	59,59,59,59	0
84	MG	5	3895	1/1	0.91	0.32	57,57,57,57	0
84	MG	6	2011	1/1	0.91	0.29	68,68,68,68	0
84	MG	1	3773	1/1	0.91	0.33	62,62,62,62	0
84	MG	1	3449	1/1	0.91	0.26	56,56,56,56	0
84	MG	6	2158	1/1	0.91	0.22	77,77,77,77	0
84	MG	6	2016	1/1	0.91	0.17	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	6	2017	1/1	0.91	0.12	81,81,81,81	0
84	MG	5	4089	1/1	0.91	0.70	62,62,62,62	0
84	MG	2	1944	1/1	0.91	0.72	87,87,87,87	0
84	MG	5	3991	1/1	0.91	0.59	57,57,57,57	0
84	MG	1	3755	1/1	0.91	0.72	60,60,60,60	0
84	MG	6	2025	1/1	0.91	0.18	81,81,81,81	1
84	MG	1	3781	1/1	0.91	0.33	69,69,69,69	1
84	MG	5	4102	1/1	0.91	0.33	47,47,47,47	0
84	MG	q2	508	1/1	0.91	0.17	62,62,62,62	0
84	MG	1	3872	1/1	0.91	0.31	73,73,73,73	0
84	MG	6	2032	1/1	0.91	0.06	77,77,77,77	0
84	MG	1	3987	1/1	0.91	0.20	60,60,60,60	0
84	MG	5	4107	1/1	0.91	0.27	59,59,59,59	0
84	MG	c3	203	1/1	0.91	0.10	108,108,108,108	0
84	MG	5	4111	1/1	0.91	0.43	46,46,46,46	0
84	MG	5	3476	1/1	0.91	0.19	53,53,53,53	0
84	MG	c3	206	1/1	0.91	0.24	80,80,80,80	0
84	MG	6	1909	1/1	0.91	0.28	67,67,67,67	0
84	MG	6	2041	1/1	0.91	0.16	73,73,73,73	0
84	MG	6	2042	1/1	0.91	0.15	77,77,77,77	0
84	MG	6	2046	1/1	0.91	0.11	72,72,72,72	0
84	MG	6	2048	1/1	0.91	0.40	68,68,68,68	0
84	MG	5	3917	1/1	0.91	0.31	62,62,62,62	0
84	MG	Q2	505	1/1	0.91	0.35	59,59,59,59	0
84	MG	1	3594	1/1	0.91	0.18	53,53,53,53	0
84	MG	2	1904	1/1	0.91	0.27	91,91,91,91	0
84	MG	5	4010	1/1	0.91	0.33	53,53,53,53	0
84	MG	l5	303	1/1	0.91	0.19	74,74,74,74	0
84	MG	5	3485	1/1	0.91	0.29	57,57,57,57	0
84	MG	1	3923	1/1	0.91	0.47	72,72,72,72	0
84	MG	2	2012	1/1	0.91	0.11	127,127,127,127	0
84	MG	1	3633	1/1	0.91	0.29	79,79,79,79	0
84	MG	5	3928	1/1	0.91	0.22	46,46,46,46	0
84	MG	4	219	1/1	0.91	0.26	68,68,68,68	0
84	MG	5	3753	1/1	0.91	0.47	85,85,85,85	0
84	MG	4	220	1/1	0.91	0.25	71,71,71,71	0
84	MG	2	1910	1/1	0.91	0.79	80,80,80,80	0
84	MG	1	3956	1/1	0.91	0.25	71,71,71,71	0
85	LLL	3	220	31/31	0.91	0.24	98,98,99,99	0
84	MG	6	2075	1/1	0.91	0.28	61,61,61,61	0
84	MG	5	3503	1/1	0.91	0.31	42,42,42,42	0
84	MG	6	2080	1/1	0.91	0.31	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
85	LLL	5	4153	31/31	0.91	0.28	64,64,65,65	0
84	MG	5	3505	1/1	0.91	0.19	50,50,50,50	0
84	MG	5	4137	1/1	0.91	0.31	58,58,58,58	0
84	MG	1	3563	1/1	0.91	0.13	76,76,76,76	0
84	MG	1	3926	1/1	0.91	0.33	54,54,54,54	0
85	LLL	5	4164	31/31	0.91	0.23	62,62,62,62	31
84	MG	5	3430	1/1	0.91	0.33	49,49,49,49	0
84	MG	6	2092	1/1	0.91	0.21	66,66,66,66	0
84	MG	1	3643	1/1	0.91	0.17	67,67,67,67	0
84	MG	5	3603	1/1	0.91	0.15	80,80,80,80	0
85	LLL	5	4172	31/31	0.91	0.18	77,77,77,77	31
84	MG	6	2096	1/1	0.91	0.40	65,65,65,65	0
84	MG	6	1946	1/1	0.91	0.14	70,70,70,70	0
84	MG	2	1915	1/1	0.91	0.25	95,95,95,95	0
84	MG	5	3945	1/1	0.91	0.45	59,59,59,59	0
84	MG	6	2103	1/1	0.91	0.13	94,94,94,94	0
84	MG	5	3773	1/1	0.91	0.10	139,139,139,139	0
84	MG	1	3531	1/1	0.91	0.30	68,68,68,68	0
84	MG	6	1953	1/1	0.91	0.18	83,83,83,83	0
84	MG	1	3849	1/1	0.91	0.22	58,58,58,58	0
84	MG	1	3733	1/1	0.91	0.61	80,80,80,80	0
84	MG	6	2112	1/1	0.91	0.27	81,81,81,81	0
85	LLL	6	2164	31/31	0.91	0.27	73,74,74,74	0
85	LLL	6	2167	31/31	0.91	0.35	97,98,98,98	0
84	MG	5	3527	1/1	0.91	0.59	53,53,53,53	0
84	MG	5	3785	1/1	0.91	0.38	51,51,51,51	0
84	MG	1	3906	1/1	0.91	0.19	67,67,67,67	0
84	MG	5	3871	1/1	0.91	0.24	71,71,71,71	0
84	MG	5	3787	1/1	0.91	0.24	48,48,48,48	1
85	LLL	6	2176	31/31	0.91	0.24	80,80,80,80	31
84	MG	6	1973	1/1	0.91	0.38	65,65,65,65	0
84	MG	5	3961	1/1	0.91	0.33	53,53,53,53	0
84	MG	1	3801	1/1	0.92	0.19	69,69,69,69	0
84	MG	5	4113	1/1	0.92	0.18	72,72,72,72	0
84	MG	5	3504	1/1	0.92	0.18	54,54,54,54	0
84	MG	5	3409	1/1	0.92	0.18	45,45,45,45	0
84	MG	5	3996	1/1	0.92	0.26	44,44,44,44	0
84	MG	5	3998	1/1	0.92	0.23	54,54,54,54	0
84	MG	1	3845	1/1	0.92	0.17	53,53,53,53	0
84	MG	5	3796	1/1	0.92	0.10	67,67,67,67	0
84	MG	2	2008	1/1	0.92	0.16	117,117,117,117	0
84	MG	5	4121	1/1	0.92	0.14	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3535	1/1	0.92	0.48	62,62,62,62	0
84	MG	1	3754	1/1	0.92	0.68	68,68,68,68	0
84	MG	1	3651	1/1	0.92	0.26	59,59,59,59	0
84	MG	5	3429	1/1	0.92	0.36	48,48,48,48	0
84	MG	1	3962	1/1	0.92	0.28	78,78,78,78	0
84	MG	6	1982	1/1	0.92	0.21	104,104,104,104	0
84	MG	5	3613	1/1	0.92	0.31	79,79,79,79	0
84	MG	5	3712	1/1	0.92	0.13	75,75,75,75	0
84	MG	6	1986	1/1	0.92	0.28	82,82,82,82	0
84	MG	1	3605	1/1	0.92	0.72	46,46,46,46	0
84	MG	5	3912	1/1	0.92	0.28	45,45,45,45	0
84	MG	m6	204	1/1	0.92	0.35	48,48,48,48	0
84	MG	1	3712	1/1	0.92	0.17	82,82,82,82	0
84	MG	6	2146	1/1	0.92	0.12	87,87,87,87	0
84	MG	5	4016	1/1	0.92	0.25	62,62,62,62	0
84	MG	1	3968	1/1	0.92	0.11	74,74,74,74	0
84	MG	5	3918	1/1	0.92	0.31	58,58,58,58	0
84	MG	5	3815	1/1	0.92	0.35	55,55,55,55	0
84	MG	6	1995	1/1	0.92	0.11	117,117,117,117	0
84	MG	5	3817	1/1	0.92	0.25	41,41,41,41	0
84	MG	2	1963	1/1	0.92	0.14	117,117,117,117	0
84	MG	6	2156	1/1	0.92	0.42	77,77,77,77	0
84	MG	6	2157	1/1	0.92	0.24	63,63,63,63	0
84	MG	2	1964	1/1	0.92	0.20	90,90,90,90	0
84	MG	6	2001	1/1	0.92	0.36	79,79,79,79	0
84	MG	6	2006	1/1	0.92	0.39	63,63,63,63	0
84	MG	5	4147	1/1	0.92	0.17	61,61,61,61	0
84	MG	5	3534	1/1	0.92	0.39	50,50,50,50	0
84	MG	1	3585	1/1	0.92	0.29	52,52,52,52	0
84	MG	s2	301	1/1	0.92	0.34	69,69,69,69	0
84	MG	L3	403	1/1	0.92	0.27	62,62,62,62	0
84	MG	5	3827	1/1	0.92	0.16	51,51,51,51	1
84	MG	5	3929	1/1	0.92	0.27	43,43,43,43	0
84	MG	5	3443	1/1	0.92	0.33	49,49,49,49	0
84	MG	n0	205	1/1	0.92	0.16	47,47,47,47	0
84	MG	6	2020	1/1	0.92	0.13	85,85,85,85	0
84	MG	5	4037	1/1	0.92	0.17	77,77,77,77	0
84	MG	6	2022	1/1	0.92	0.26	88,88,88,88	0
84	MG	5	4039	1/1	0.92	0.22	77,77,77,77	0
84	MG	5	3734	1/1	0.92	0.17	67,67,67,67	0
84	MG	5	3549	1/1	0.92	0.40	63,63,63,63	0
84	MG	1	3685	1/1	0.92	0.40	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	2	1920	1/1	0.92	0.28	88,88,88,88	0
84	MG	L4	403	1/1	0.92	0.22	55,55,55,55	0
84	MG	1	3811	1/1	0.92	0.20	80,80,80,80	0
84	MG	o1	201	1/1	0.92	0.18	79,79,79,79	0
84	MG	d2	201	1/1	0.92	0.22	80,80,80,80	0
84	MG	o2	202	1/1	0.92	0.43	55,55,55,55	0
84	MG	1	3890	1/1	0.92	0.39	50,50,50,50	0
84	MG	L4	406	1/1	0.92	0.29	48,48,48,48	0
84	MG	d3	205	1/1	0.92	0.29	98,98,98,98	0
84	MG	o3	202	1/1	0.92	0.22	70,70,70,70	0
84	MG	1	3527	1/1	0.92	0.45	70,70,70,70	0
84	MG	5	4054	1/1	0.92	0.12	97,97,97,97	0
84	MG	5	3644	1/1	0.92	0.25	64,64,64,64	0
84	MG	1	3568	1/1	0.92	0.14	83,83,83,83	0
84	MG	q2	505	1/1	0.92	0.26	63,63,63,63	0
84	MG	2	1981	1/1	0.92	0.61	58,58,58,58	0
84	MG	8	203	1/1	0.92	0.18	83,83,83,83	1
84	MG	1	3722	1/1	0.92	0.10	68,68,68,68	0
84	MG	q3	502	1/1	0.92	0.38	68,68,68,68	0
84	MG	2	1986	1/1	0.92	0.13	117,117,117,117	0
84	MG	5	3468	1/1	0.92	0.14	55,55,55,55	0
84	MG	5	3760	1/1	0.92	0.29	59,59,59,59	0
84	MG	1	3945	1/1	0.92	0.28	54,54,54,54	0
84	MG	5	3470	1/1	0.92	0.35	54,54,54,54	0
84	MG	1	3920	1/1	0.92	0.29	53,53,53,53	0
84	MG	6	1910	1/1	0.92	0.29	60,60,60,60	0
85	LLL	L3	404	31/31	0.92	0.22	82,82,82,82	0
84	MG	5	3860	1/1	0.92	0.18	56,56,56,56	0
84	MG	5	3955	1/1	0.92	0.32	52,52,52,52	0
85	LLL	5	4152	31/31	0.92	0.27	79,79,79,79	31
84	MG	6	2069	1/1	0.92	0.12	86,86,86,86	0
84	MG	1	3921	1/1	0.92	0.18	72,72,72,72	0
84	MG	O7	103	1/1	0.92	0.18	59,59,59,59	0
84	MG	5	3767	1/1	0.92	0.34	60,60,60,60	0
84	MG	6	2074	1/1	0.92	0.15	64,64,64,64	0
85	LLL	5	4163	31/31	0.92	0.17	112,112,112,112	0
84	MG	5	4076	1/1	0.92	0.29	77,77,77,77	0
84	MG	5	3866	1/1	0.92	0.27	51,51,51,51	1
84	MG	l2	301	1/1	0.92	0.30	59,59,59,59	0
84	MG	1	3983	1/1	0.92	0.20	61,61,61,61	0
84	MG	5	3586	1/1	0.92	0.42	55,55,55,55	0
84	MG	l2	305	1/1	0.92	0.27	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	2	1994	1/1	0.92	0.14	109,109,109,109	0
84	MG	5	3870	1/1	0.92	0.37	54,54,54,54	0
84	MG	2	1996	1/1	0.92	0.15	111,111,111,111	0
84	MG	1	3437	1/1	0.92	0.19	51,51,51,51	0
84	MG	5	3777	1/1	0.92	0.35	70,70,70,70	0
84	MG	5	3778	1/1	0.92	0.24	92,92,92,92	0
84	MG	5	4087	1/1	0.92	0.28	52,52,52,52	0
84	MG	6	1939	1/1	0.92	0.40	58,58,58,58	0
84	MG	2	1999	1/1	0.92	0.63	73,73,73,73	0
84	MG	5	4092	1/1	0.92	0.43	71,71,71,71	0
84	MG	1	3705	1/1	0.92	0.25	59,59,59,59	0
84	MG	5	3879	1/1	0.92	0.31	64,64,64,64	0
85	LLL	6	2165	31/31	0.92	0.22	76,77,77,77	31
84	MG	5	3976	1/1	0.92	0.20	68,68,68,68	0
84	MG	6	2109	1/1	0.92	0.11	91,91,91,91	0
85	LLL	6	2170	31/31	0.92	0.19	82,82,83,83	0
84	MG	2	1948	1/1	0.92	0.47	82,82,82,82	0
84	MG	1	3648	1/1	0.92	0.29	57,57,57,57	0
84	MG	5	3882	1/1	0.92	0.28	67,67,67,67	0
84	MG	6	2113	1/1	0.92	0.17	67,67,67,67	0
84	MG	2	1950	1/1	0.92	0.34	94,94,94,94	0
84	MG	1	3464	1/1	0.92	0.32	51,51,51,51	0
84	MG	5	3987	1/1	0.92	0.35	48,48,48,48	0
86	ZN	e1	501	1/1	0.92	0.10	150,150,150,150	0
84	MG	1	3760	1/1	0.93	0.34	69,69,69,69	0
84	MG	l5	304	1/1	0.93	0.07	80,80,80,80	0
84	MG	5	3638	1/1	0.93	0.23	51,51,51,51	0
84	MG	5	3865	1/1	0.93	0.37	56,56,56,56	0
84	MG	6	1952	1/1	0.93	0.14	68,68,68,68	0
84	MG	5	3451	1/1	0.93	0.44	45,45,45,45	0
84	MG	5	4096	1/1	0.93	0.34	54,54,54,54	0
84	MG	2	1976	1/1	0.93	0.35	92,92,92,92	0
84	MG	4	217	1/1	0.93	0.25	79,79,79,79	0
84	MG	l9	201	1/1	0.93	0.18	53,53,53,53	0
84	MG	2	1921	1/1	0.93	0.20	91,91,91,91	0
84	MG	5	3648	1/1	0.93	0.17	65,65,65,65	0
84	MG	6	1970	1/1	0.93	0.35	63,63,63,63	0
84	MG	2	2030	1/1	0.93	0.08	122,122,122,122	0
84	MG	l9	205	1/1	0.93	0.13	72,72,72,72	0
84	MG	5	4103	1/1	0.93	0.20	50,50,50,50	0
84	MG	1	3583	1/1	0.93	0.19	63,63,63,63	0
84	MG	1	3607	1/1	0.93	0.59	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3465	1/1	0.93	0.29	41,41,41,41	0
84	MG	1	3548	1/1	0.93	0.33	70,70,70,70	0
84	MG	5	3983	1/1	0.93	0.21	50,50,50,50	0
84	MG	6	1981	1/1	0.93	0.13	97,97,97,97	0
84	MG	1	3463	1/1	0.93	0.28	52,52,52,52	0
84	MG	1	3613	1/1	0.93	0.43	48,48,48,48	0
84	MG	5	3661	1/1	0.93	0.34	61,61,61,61	0
84	MG	6	1985	1/1	0.93	0.14	92,92,92,92	0
84	MG	5	3570	1/1	0.93	0.24	67,67,67,67	0
84	MG	5	3672	1/1	0.93	0.46	67,67,67,67	0
84	MG	5	3993	1/1	0.93	0.44	56,56,56,56	0
84	MG	5	3883	1/1	0.93	0.23	67,67,67,67	0
84	MG	2	1987	1/1	0.93	0.17	110,110,110,110	0
84	MG	1	3830	1/1	0.93	0.51	72,72,72,72	0
84	MG	5	3685	1/1	0.93	0.31	66,66,66,66	0
84	MG	6	2155	1/1	0.93	0.11	84,84,84,84	0
84	MG	N8	201	1/1	0.93	0.24	75,75,75,75	0
84	MG	5	3687	1/1	0.93	0.40	69,69,69,69	0
84	MG	5	3791	1/1	0.93	0.33	54,54,54,54	0
84	MG	L2	302	1/1	0.93	0.46	43,43,43,43	0
84	MG	1	3458	1/1	0.93	0.39	64,64,64,64	0
84	MG	5	3482	1/1	0.93	0.19	46,46,46,46	0
84	MG	m7	202	1/1	0.93	0.38	49,49,49,49	0
84	MG	1	3486	1/1	0.93	0.33	62,62,62,62	0
84	MG	6	2007	1/1	0.93	0.35	61,61,61,61	0
84	MG	1	3616	1/1	0.93	0.21	54,54,54,54	0
84	MG	5	3797	1/1	0.93	0.24	57,57,57,57	0
84	MG	5	3799	1/1	0.93	0.25	64,64,64,64	0
84	MG	1	3617	1/1	0.93	0.60	70,70,70,70	0
84	MG	5	4139	1/1	0.93	0.29	66,66,66,66	0
84	MG	6	2015	1/1	0.93	0.37	68,68,68,68	0
84	MG	1	3777	1/1	0.93	0.61	62,62,62,62	0
84	MG	1	3779	1/1	0.93	0.35	58,58,58,58	0
84	MG	5	3911	1/1	0.93	0.32	43,43,43,43	0
84	MG	1	3748	1/1	0.93	0.37	61,61,61,61	0
84	MG	5	3913	1/1	0.93	0.31	57,57,57,57	0
84	MG	5	3914	1/1	0.93	0.24	56,56,56,56	0
84	MG	1	3532	1/1	0.93	0.66	68,68,68,68	0
84	MG	5	4025	1/1	0.93	0.18	55,55,55,55	0
84	MG	5	4026	1/1	0.93	0.26	66,66,66,66	0
84	MG	c8	203	1/1	0.93	0.11	74,74,74,74	0
84	MG	5	3595	1/1	0.93	0.17	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3814	1/1	0.93	0.16	103,103,103,103	0
84	MG	5	3701	1/1	0.93	0.18	66,66,66,66	0
84	MG	7	210	1/1	0.93	0.14	67,67,67,67	0
84	MG	5	4032	1/1	0.93	0.06	69,69,69,69	1
84	MG	5	3920	1/1	0.93	0.35	55,55,55,55	0
84	MG	1	3448	1/1	0.93	0.52	68,68,68,68	0
84	MG	6	2036	1/1	0.93	0.09	83,83,83,83	0
84	MG	7	217	1/1	0.93	0.13	63,63,63,63	0
84	MG	5	3810	1/1	0.93	0.33	59,59,59,59	0
84	MG	7	220	1/1	0.93	0.21	66,66,66,66	0
84	MG	o4	503	1/1	0.93	0.11	94,94,94,94	0
85	LLL	1	3992	31/31	0.93	0.32	78,79,79,79	31
85	LLL	1	3994	31/31	0.93	0.23	68,69,69,69	0
84	MG	7	221	1/1	0.93	0.09	75,75,75,75	0
84	MG	1	3889	1/1	0.93	0.31	54,54,54,54	0
84	MG	5	3705	1/1	0.93	0.32	81,81,81,81	0
84	MG	5	3600	1/1	0.93	0.21	92,92,92,92	0
84	MG	5	3501	1/1	0.93	0.19	54,54,54,54	0
84	MG	L7	301	1/1	0.93	0.34	58,58,58,58	0
84	MG	1	3752	1/1	0.93	0.28	62,62,62,62	0
84	MG	1	3964	1/1	0.93	0.60	87,87,87,87	0
85	LLL	1	4003	31/31	0.93	0.23	79,80,80,80	31
84	MG	6	2060	1/1	0.93	0.13	86,86,86,86	0
84	MG	5	4048	1/1	0.93	0.56	64,64,64,64	0
84	MG	5	3506	1/1	0.93	0.32	49,49,49,49	0
84	MG	5	3421	1/1	0.93	0.20	51,51,51,51	0
84	MG	1	3621	1/1	0.93	0.48	68,68,68,68	0
84	MG	1	3967	1/1	0.93	0.20	72,72,72,72	0
84	MG	6	1904	1/1	0.93	0.29	65,65,65,65	0
84	MG	5	3519	1/1	0.93	0.33	42,42,42,42	0
84	MG	5	3832	1/1	0.93	0.24	50,50,50,50	0
84	MG	5	3427	1/1	0.93	0.30	45,45,45,45	0
84	MG	6	1911	1/1	0.93	0.21	71,71,71,71	0
85	LLL	5	4159	31/31	0.93	0.23	59,59,60,60	0
84	MG	6	2071	1/1	0.93	0.14	76,76,76,76	1
84	MG	1	3894	1/1	0.93	0.35	60,60,60,60	0
84	MG	1	3676	1/1	0.93	0.52	53,53,53,53	0
85	LLL	5	4165	31/31	0.93	0.21	84,84,84,84	0
84	MG	5	3615	1/1	0.93	0.21	89,89,89,89	0
84	MG	5	3731	1/1	0.93	0.11	69,69,69,69	0
85	LLL	5	4168	31/31	0.93	0.27	76,76,76,76	0
84	MG	6	2077	1/1	0.93	0.32	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
85	LLL	5	4170	31/31	0.93	0.21	61,61,61,61	31
84	MG	1	3855	1/1	0.93	0.28	55,55,55,55	1
84	MG	5	4064	1/1	0.93	0.36	44,44,44,44	0
84	MG	1	3971	1/1	0.93	0.40	56,56,56,56	0
84	MG	5	3735	1/1	0.93	0.13	64,64,64,64	0
84	MG	6	2088	1/1	0.93	0.38	83,83,83,83	0
84	MG	1	3657	1/1	0.93	0.26	50,50,50,50	0
84	MG	1	3860	1/1	0.93	0.19	65,65,65,65	0
84	MG	6	1922	1/1	0.93	0.17	74,74,74,74	0
84	MG	6	1923	1/1	0.93	0.17	71,71,71,71	0
84	MG	5	4070	1/1	0.93	0.11	99,99,99,99	0
84	MG	1	3504	1/1	0.93	0.28	66,66,66,66	0
84	MG	6	2095	1/1	0.93	0.33	65,65,65,65	0
84	MG	5	3849	1/1	0.93	0.27	50,50,50,50	0
84	MG	5	3438	1/1	0.93	0.16	64,64,64,64	1
84	MG	5	3852	1/1	0.93	0.31	57,57,57,57	0
84	MG	l3	401	1/1	0.93	0.28	57,57,57,57	0
84	MG	5	3532	1/1	0.93	0.18	43,43,43,43	0
85	LLL	6	2169	31/31	0.93	0.20	89,89,90,90	0
84	MG	1	3659	1/1	0.93	0.15	69,69,69,69	0
85	LLL	6	2171	31/31	0.93	0.21	87,88,88,88	0
84	MG	5	3959	1/1	0.93	0.36	51,51,51,51	0
84	MG	5	3535	1/1	0.93	0.44	57,57,57,57	0
84	MG	5	3541	1/1	0.93	0.31	52,52,52,52	0
84	MG	5	4081	1/1	0.93	0.08	79,79,79,79	0
84	MG	1	3706	1/1	0.93	0.26	51,51,51,51	0
84	MG	2	1969	1/1	0.93	0.22	100,100,100,100	0
84	MG	4	214	1/1	0.93	0.36	63,63,63,63	0
84	MG	2	1974	1/1	0.93	0.27	96,96,96,96	0
84	MG	5	4123	1/1	0.94	0.28	53,53,53,53	0
84	MG	5	3665	1/1	0.94	0.54	56,56,56,56	0
84	MG	1	3743	1/1	0.94	0.63	72,72,72,72	0
84	MG	1	3982	1/1	0.94	0.12	90,90,90,90	0
84	MG	5	3462	1/1	0.94	0.21	53,53,53,53	0
84	MG	5	3680	1/1	0.94	0.15	73,73,73,73	0
84	MG	5	3684	1/1	0.94	0.12	79,79,79,79	0
84	MG	6	2135	1/1	0.94	0.25	77,77,77,77	0
84	MG	5	3463	1/1	0.94	0.28	49,49,49,49	0
84	MG	6	2137	1/1	0.94	0.29	76,76,76,76	0
84	MG	1	3883	1/1	0.94	0.11	75,75,75,75	0
84	MG	5	3905	1/1	0.94	0.45	44,44,44,44	0
84	MG	1	3640	1/1	0.94	0.19	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	2	1918	1/1	0.94	0.22	91,91,91,91	0
84	MG	6	2143	1/1	0.94	0.26	104,104,104,104	0
84	MG	2	2032	1/1	0.94	0.10	111,111,111,111	0
84	MG	1	3852	1/1	0.94	0.51	65,65,65,65	0
84	MG	1	3526	1/1	0.94	0.57	65,65,65,65	0
84	MG	5	4022	1/1	0.94	0.28	50,50,50,50	0
84	MG	m7	206	1/1	0.94	0.36	55,55,55,55	0
84	MG	1	3470	1/1	0.94	0.38	56,56,56,56	0
84	MG	1	3597	1/1	0.94	0.37	46,46,46,46	0
84	MG	5	4145	1/1	0.94	0.13	54,54,54,54	0
84	MG	6	2000	1/1	0.94	0.17	84,84,84,84	0
84	MG	3	204	1/1	0.94	0.15	85,85,85,85	0
84	MG	6	2005	1/1	0.94	0.19	83,83,83,83	0
84	MG	5	3916	1/1	0.94	0.19	51,51,51,51	0
84	MG	5	3478	1/1	0.94	0.42	50,50,50,50	0
84	MG	5	4028	1/1	0.94	0.10	59,59,59,59	0
84	MG	5	3807	1/1	0.94	0.27	71,71,71,71	0
84	MG	2	1925	1/1	0.94	0.28	90,90,90,90	0
84	MG	2	2040	1/1	0.94	0.34	95,95,95,95	0
84	MG	N3	201	1/1	0.94	0.30	67,67,67,67	0
84	MG	2	1985	1/1	0.94	0.28	122,122,122,122	0
84	MG	1	3601	1/1	0.94	0.35	53,53,53,53	0
84	MG	7	213	1/1	0.94	0.17	71,71,71,71	0
84	MG	1	3959	1/1	0.94	0.34	61,61,61,61	0
84	MG	7	215	1/1	0.94	0.28	63,63,63,63	0
84	MG	2	1933	1/1	0.94	0.16	88,88,88,88	0
84	MG	5	3926	1/1	0.94	0.21	55,55,55,55	1
84	MG	7	218	1/1	0.94	0.09	68,68,68,68	0
84	MG	2	1934	1/1	0.94	0.29	87,87,87,87	0
84	MG	5	3599	1/1	0.94	0.24	92,92,92,92	0
84	MG	C8	201	1/1	0.94	0.05	138,138,138,138	0
84	MG	5	3931	1/1	0.94	0.51	44,44,44,44	0
84	MG	q1	101	1/1	0.94	0.39	67,67,67,67	0
84	MG	6	2029	1/1	0.94	0.27	75,75,75,75	0
84	MG	1	3750	1/1	0.94	0.57	70,70,70,70	0
84	MG	2	1936	1/1	0.94	0.35	86,86,86,86	0
84	MG	c8	201	1/1	0.94	0.18	75,75,75,75	0
84	MG	5	3826	1/1	0.94	0.21	56,56,56,56	0
84	MG	5	3498	1/1	0.94	0.15	52,52,52,52	0
84	MG	2	1937	1/1	0.94	0.23	80,80,80,80	0
84	MG	5	3502	1/1	0.94	0.18	50,50,50,50	0
84	MG	N5	201	1/1	0.94	0.15	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3721	1/1	0.94	0.21	65,65,65,65	0
84	MG	5	3607	1/1	0.94	0.21	83,83,83,83	0
84	MG	5	3835	1/1	0.94	0.30	62,62,62,62	0
84	MG	d5	201	1/1	0.94	0.17	90,90,90,90	0
84	MG	L2	304	1/1	0.94	0.32	73,73,73,73	0
84	MG	1	3861	1/1	0.94	0.30	58,58,58,58	0
84	MG	5	3726	1/1	0.94	0.45	52,52,52,52	0
84	MG	2	1998	1/1	0.94	0.10	154,154,154,154	0
84	MG	6	2051	1/1	0.94	0.16	69,69,69,69	0
84	MG	5	3410	1/1	0.94	0.52	46,46,46,46	0
85	LLL	1	3990	31/31	0.94	0.20	75,75,75,75	0
84	MG	6	2056	1/1	0.94	0.24	83,83,83,83	0
84	MG	6	1907	1/1	0.94	0.21	69,69,69,69	0
84	MG	5	4066	1/1	0.94	0.12	84,84,84,84	0
84	MG	5	3612	1/1	0.94	0.20	80,80,80,80	0
84	MG	8	210	1/1	0.94	0.18	96,96,96,96	0
84	MG	5	3842	1/1	0.94	0.24	46,46,46,46	0
84	MG	1	3602	1/1	0.94	0.43	49,49,49,49	0
84	MG	5	3415	1/1	0.94	0.24	48,48,48,48	1
84	MG	5	3517	1/1	0.94	0.60	49,49,49,49	0
84	MG	1	3776	1/1	0.94	0.27	68,68,68,68	1
84	MG	2	1943	1/1	0.94	0.27	95,95,95,95	0
84	MG	1	3604	1/1	0.94	0.26	52,52,52,52	0
84	MG	5	3742	1/1	0.94	0.27	67,67,67,67	0
84	MG	1	3410	1/1	0.94	0.55	56,56,56,56	0
84	MG	1	3966	1/1	0.94	0.17	68,68,68,68	0
85	LLL	2	2043	31/31	0.94	0.31	101,101,101,101	0
84	MG	3	214	1/1	0.94	0.07	86,86,86,86	0
84	MG	1	3780	1/1	0.94	0.34	64,64,64,64	0
84	MG	1	3809	1/1	0.94	0.14	59,59,59,59	0
84	MG	l3	402	1/1	0.94	0.35	51,51,51,51	0
85	LLL	5	4154	31/31	0.94	0.25	67,67,67,67	0
84	MG	3	218	1/1	0.94	0.13	97,97,97,97	0
84	MG	1	3871	1/1	0.94	0.14	73,73,73,73	0
84	MG	5	3531	1/1	0.94	0.35	43,43,43,43	0
84	MG	2	2011	1/1	0.94	0.19	102,102,102,102	0
84	MG	1	3540	1/1	0.94	0.27	54,54,54,54	0
84	MG	5	3436	1/1	0.94	0.22	66,66,66,66	0
84	MG	5	3539	1/1	0.94	0.49	54,54,54,54	0
84	MG	5	3973	1/1	0.94	0.33	69,69,69,69	0
84	MG	5	4094	1/1	0.94	0.14	63,63,63,63	0
84	MG	5	3759	1/1	0.94	0.32	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3636	1/1	0.94	0.41	53,53,53,53	0
84	MG	5	3540	1/1	0.94	0.32	49,49,49,49	0
84	MG	Q2	502	1/1	0.94	0.14	65,65,65,65	0
84	MG	5	4100	1/1	0.94	0.45	90,90,90,90	0
84	MG	6	2098	1/1	0.94	0.32	63,63,63,63	0
84	MG	5	3872	1/1	0.94	0.14	76,76,76,76	0
84	MG	2	2014	1/1	0.94	0.24	88,88,88,88	0
84	MG	1	3635	1/1	0.94	0.09	117,117,117,117	0
84	MG	5	3646	1/1	0.94	0.17	65,65,65,65	0
84	MG	6	2105	1/1	0.94	0.25	67,67,67,67	0
84	MG	M0	301	1/1	0.94	0.23	51,51,51,51	0
84	MG	5	3985	1/1	0.94	0.25	56,56,56,56	0
84	MG	5	4108	1/1	0.94	0.19	59,59,59,59	0
84	MG	6	1958	1/1	0.94	0.26	66,66,66,66	0
84	MG	6	1959	1/1	0.94	0.22	68,68,68,68	0
84	MG	5	4110	1/1	0.94	0.17	47,47,47,47	0
85	LLL	l3	412	31/31	0.94	0.20	69,69,70,70	0
84	MG	1	3836	1/1	0.94	0.21	58,58,58,58	0
84	MG	6	1962	1/1	0.94	0.20	69,69,69,69	0
85	LLL	6	2166	31/31	0.94	0.26	77,77,77,77	31
84	MG	1	3693	1/1	0.94	0.26	64,64,64,64	0
84	MG	1	3496	1/1	0.94	0.58	73,73,73,73	0
84	MG	6	2116	1/1	0.94	0.24	71,71,71,71	0
84	MG	1	3497	1/1	0.94	0.22	73,73,73,73	0
84	MG	6	1969	1/1	0.94	0.15	69,69,69,69	1
84	MG	4	209	1/1	0.94	0.50	59,59,59,59	0
84	MG	1	3656	1/1	0.94	0.24	52,52,52,52	0
84	MG	6	1972	1/1	0.94	0.42	70,70,70,70	0
84	MG	1	3761	1/1	0.94	0.17	73,73,73,73	1
84	MG	5	3659	1/1	0.94	0.13	98,98,98,98	0
84	MG	1	3581	1/1	0.94	0.15	64,64,64,64	0
84	MG	5	3562	1/1	0.94	0.41	57,57,57,57	0
84	MG	M5	303	1/1	0.94	0.19	65,65,65,65	0
84	MG	1	3479	1/1	0.95	0.41	59,59,59,59	0
84	MG	5	3404	1/1	0.95	0.22	55,55,55,55	0
84	MG	1	3882	1/1	0.95	0.24	71,71,71,71	0
84	MG	7	208	1/1	0.95	0.11	65,65,65,65	0
84	MG	5	3497	1/1	0.95	0.17	49,49,49,49	0
84	MG	6	2003	1/1	0.95	0.16	64,64,64,64	0
84	MG	n0	207	1/1	0.95	0.23	56,56,56,56	0
84	MG	1	3603	1/1	0.95	0.35	45,45,45,45	0
84	MG	5	3814	1/1	0.95	0.13	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	n3	202	1/1	0.95	0.51	62,62,62,62	1
84	MG	5	4042	1/1	0.95	0.27	46,46,46,46	0
84	MG	6	2151	1/1	0.95	0.20	67,67,67,67	0
84	MG	1	3919	1/1	0.95	0.25	69,69,69,69	0
84	MG	5	4045	1/1	0.95	0.21	71,71,71,71	0
84	MG	1	3793	1/1	0.95	0.16	85,85,85,85	0
84	MG	5	3818	1/1	0.95	0.18	54,54,54,54	0
84	MG	5	3416	1/1	0.95	0.31	45,45,45,45	0
84	MG	5	3707	1/1	0.95	0.18	73,73,73,73	0
84	MG	1	3885	1/1	0.95	0.19	80,80,80,80	0
84	MG	2	2006	1/1	0.95	0.28	106,106,106,106	0
84	MG	1	3414	1/1	0.95	0.21	56,56,56,56	0
84	MG	3	216	1/1	0.95	0.08	74,74,74,74	0
84	MG	q0	202	1/1	0.95	0.18	51,51,51,51	0
84	MG	Q2	503	1/1	0.95	0.27	67,67,67,67	0
84	MG	5	3425	1/1	0.95	0.17	46,46,46,46	0
84	MG	5	3716	1/1	0.95	0.57	62,62,62,62	0
84	MG	5	3514	1/1	0.95	0.26	65,65,65,65	0
84	MG	5	3516	1/1	0.95	0.18	49,49,49,49	0
84	MG	1	3797	1/1	0.95	0.54	56,56,56,56	0
84	MG	5	3518	1/1	0.95	0.44	53,53,53,53	0
84	MG	1	3533	1/1	0.95	0.56	75,75,75,75	0
84	MG	1	3517	1/1	0.95	0.43	54,54,54,54	0
84	MG	2	1902	1/1	0.95	0.09	95,95,95,95	0
84	MG	5	3432	1/1	0.95	0.19	54,54,54,54	0
84	MG	2	1957	1/1	0.95	0.13	95,95,95,95	0
84	MG	1	3608	1/1	0.95	0.19	57,57,57,57	0
84	MG	M3	201	1/1	0.95	0.16	65,65,65,65	0
84	MG	5	3843	1/1	0.95	0.11	50,50,50,50	0
84	MG	1	3892	1/1	0.95	0.23	64,64,64,64	0
84	MG	1	3518	1/1	0.95	0.28	64,64,64,64	0
84	MG	6	2047	1/1	0.95	0.12	79,79,79,79	0
84	MG	1	3802	1/1	0.95	0.20	98,98,98,98	0
84	MG	5	4075	1/1	0.95	0.12	97,97,97,97	0
84	MG	d1	102	1/1	0.95	0.10	106,106,106,106	0
84	MG	5	3739	1/1	0.95	0.33	52,52,52,52	0
84	MG	5	3740	1/1	0.95	0.28	56,56,56,56	0
84	MG	6	2052	1/1	0.95	0.11	73,73,73,73	0
84	MG	5	3439	1/1	0.95	0.25	54,54,54,54	0
84	MG	8	217	1/1	0.95	0.22	64,64,64,64	0
84	MG	5	3853	1/1	0.95	0.15	58,58,58,58	0
84	MG	5	3440	1/1	0.95	0.16	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	2	1909	1/1	0.95	0.45	94,94,94,94	0
84	MG	1	3719	1/1	0.95	0.25	55,55,55,55	0
84	MG	5	3745	1/1	0.95	0.34	52,52,52,52	0
84	MG	5	3538	1/1	0.95	0.28	52,52,52,52	0
84	MG	1	3720	1/1	0.95	0.47	59,59,59,59	0
85	LLL	1	3989	31/31	0.95	0.21	69,69,69,69	0
84	MG	5	3445	1/1	0.95	0.21	50,50,50,50	0
84	MG	1	3519	1/1	0.95	0.35	70,70,70,70	0
84	MG	5	4088	1/1	0.95	0.22	69,69,69,69	0
84	MG	6	1925	1/1	0.95	0.28	68,68,68,68	0
84	MG	6	1926	1/1	0.95	0.24	75,75,75,75	0
84	MG	l3	405	1/1	0.95	0.30	43,43,43,43	0
84	MG	1	3482	1/1	0.95	0.25	72,72,72,72	0
84	MG	5	4090	1/1	0.95	0.39	60,60,60,60	0
84	MG	5	3637	1/1	0.95	0.30	48,48,48,48	0
84	MG	6	1935	1/1	0.95	0.24	73,73,73,73	0
84	MG	M5	304	1/1	0.95	0.26	67,67,67,67	0
84	MG	5	3641	1/1	0.95	0.24	51,51,51,51	0
84	MG	1	3421	1/1	0.95	0.25	50,50,50,50	0
84	MG	5	3547	1/1	0.95	0.49	54,54,54,54	0
84	MG	6	2082	1/1	0.95	0.26	67,67,67,67	0
84	MG	5	3757	1/1	0.95	0.09	64,64,64,64	0
84	MG	2	1973	1/1	0.95	0.20	96,96,96,96	0
84	MG	6	2087	1/1	0.95	0.22	82,82,82,82	0
84	MG	M6	201	1/1	0.95	0.43	60,60,60,60	0
84	MG	5	3982	1/1	0.95	0.15	50,50,50,50	0
84	MG	1	3868	1/1	0.95	0.21	61,61,61,61	0
84	MG	1	3833	1/1	0.95	0.27	64,64,64,64	0
84	MG	M7	204	1/1	0.95	0.25	60,60,60,60	0
84	MG	1	3484	1/1	0.95	0.31	60,60,60,60	0
84	MG	l7	302	1/1	0.95	0.30	55,55,55,55	0
84	MG	5	3555	1/1	0.95	0.21	62,62,62,62	1
85	LLL	5	4160	31/31	0.95	0.28	49,50,50,50	31
85	LLL	5	4161	31/31	0.95	0.22	69,70,70,70	0
84	MG	5	3652	1/1	0.95	0.19	76,76,76,76	0
84	MG	5	3556	1/1	0.95	0.49	57,57,57,57	0
84	MG	2	1922	1/1	0.95	0.28	84,84,84,84	0
84	MG	1	3574	1/1	0.95	0.12	67,67,67,67	0
84	MG	6	1957	1/1	0.95	0.17	66,66,66,66	0
84	MG	5	3658	1/1	0.95	0.17	71,71,71,71	0
84	MG	1	3728	1/1	0.95	0.13	83,83,83,83	0
84	MG	5	4000	1/1	0.95	0.27	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3884	1/1	0.95	0.09	69,69,69,69	0
84	MG	1	3944	1/1	0.95	0.20	67,67,67,67	0
84	MG	1	3907	1/1	0.95	0.31	62,62,62,62	0
84	MG	1	3427	1/1	0.95	0.27	51,51,51,51	0
84	MG	2	2041	1/1	0.95	0.08	94,94,94,94	0
84	MG	5	4122	1/1	0.95	0.18	89,89,89,89	0
84	MG	5	3667	1/1	0.95	0.56	49,49,49,49	0
84	MG	5	3784	1/1	0.95	0.37	44,44,44,44	0
84	MG	5	3668	1/1	0.95	0.44	49,49,49,49	0
84	MG	5	3671	1/1	0.95	0.37	63,63,63,63	0
84	MG	1	3986	1/1	0.95	0.41	68,68,68,68	0
84	MG	5	3790	1/1	0.95	0.32	47,47,47,47	0
84	MG	5	4131	1/1	0.95	0.30	70,70,70,70	0
84	MG	5	3569	1/1	0.95	0.43	64,64,64,64	0
84	MG	1	3423	1/1	0.95	0.30	51,51,51,51	0
84	MG	1	3561	1/1	0.95	0.15	79,79,79,79	0
84	MG	L2	301	1/1	0.95	0.20	55,55,55,55	0
84	MG	1	3951	1/1	0.95	0.06	82,82,82,82	0
84	MG	3	203	1/1	0.95	0.12	103,103,103,103	0
84	MG	1	3598	1/1	0.95	0.42	52,52,52,52	0
84	MG	5	3798	1/1	0.95	0.39	58,58,58,58	0
84	MG	2	1995	1/1	0.95	0.40	100,100,100,100	0
84	MG	5	3584	1/1	0.95	0.48	51,51,51,51	0
84	MG	5	4142	1/1	0.95	0.33	69,69,69,69	0
84	MG	1	3530	1/1	0.95	0.28	67,67,67,67	0
84	MG	1	3954	1/1	0.95	0.14	71,71,71,71	0
84	MG	5	3487	1/1	0.95	0.16	61,61,61,61	0
84	MG	1	3843	1/1	0.95	0.28	58,58,58,58	0
84	MG	5	3490	1/1	0.95	0.24	58,58,58,58	0
84	MG	1	3844	1/1	0.95	0.22	56,56,56,56	0
84	MG	5	3401	1/1	0.95	0.36	49,49,49,49	0
84	MG	1	3772	1/1	0.96	0.23	59,59,59,59	1
84	MG	5	3903	1/1	0.96	1.06	61,61,61,61	0
84	MG	1	3674	1/1	0.96	0.25	63,63,63,63	0
84	MG	5	3663	1/1	0.96	0.31	46,46,46,46	0
84	MG	5	3986	1/1	0.96	0.34	45,45,45,45	1
84	MG	1	3675	1/1	0.96	0.11	62,62,62,62	0
84	MG	5	3457	1/1	0.96	0.14	51,51,51,51	0
84	MG	4	207	1/1	0.96	0.24	59,59,59,59	0
84	MG	6	1956	1/1	0.96	0.33	69,69,69,69	0
84	MG	1	3610	1/1	0.96	0.29	52,52,52,52	0
84	MG	5	3461	1/1	0.96	0.24	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3750	1/1	0.96	0.26	52,52,52,52	0
84	MG	5	3997	1/1	0.96	0.16	50,50,50,50	0
84	MG	1	3851	1/1	0.96	0.20	57,57,57,57	0
84	MG	m8	204	1/1	0.96	0.50	63,63,63,63	0
84	MG	1	3891	1/1	0.96	0.21	60,60,60,60	0
84	MG	1	3974	1/1	0.96	0.19	79,79,79,79	0
84	MG	1	3450	1/1	0.96	0.35	62,62,62,62	0
84	MG	n0	203	1/1	0.96	0.19	49,49,49,49	0
84	MG	5	3682	1/1	0.96	0.17	73,73,73,73	0
84	MG	6	2078	1/1	0.96	0.28	65,65,65,65	0
84	MG	1	3631	1/1	0.96	0.12	76,76,76,76	0
84	MG	1	3778	1/1	0.96	0.39	61,61,61,61	0
84	MG	5	4091	1/1	0.96	0.41	68,68,68,68	0
84	MG	1	3655	1/1	0.96	0.31	50,50,50,50	0
84	MG	6	2084	1/1	0.96	0.27	67,67,67,67	0
84	MG	1	3858	1/1	0.96	0.37	46,46,46,46	0
84	MG	n3	201	1/1	0.96	0.25	43,43,43,43	0
84	MG	5	3473	1/1	0.96	0.22	63,63,63,63	0
84	MG	5	4009	1/1	0.96	0.38	53,53,53,53	0
84	MG	6	1979	1/1	0.96	0.09	100,100,100,100	0
84	MG	5	3689	1/1	0.96	0.14	78,78,78,78	0
84	MG	n8	201	1/1	0.96	0.30	54,54,54,54	0
84	MG	5	4011	1/1	0.96	0.16	45,45,45,45	0
84	MG	1	3612	1/1	0.96	0.37	55,55,55,55	0
85	LLL	1	3991	31/31	0.96	0.21	67,67,67,67	0
84	MG	5	3475	1/1	0.96	0.17	64,64,64,64	0
85	LLL	1	3993	31/31	0.96	0.22	61,61,61,61	0
84	MG	1	3981	1/1	0.96	0.39	63,63,63,63	0
84	MG	6	2097	1/1	0.96	0.35	63,63,63,63	0
84	MG	1	3417	1/1	0.96	0.28	52,52,52,52	0
84	MG	8	215	1/1	0.96	0.44	58,58,58,58	0
84	MG	1	3408	1/1	0.96	0.27	51,51,51,51	0
84	MG	5	4017	1/1	0.96	0.19	63,63,63,63	0
84	MG	5	3480	1/1	0.96	0.25	49,49,49,49	0
84	MG	6	2104	1/1	0.96	0.11	89,89,89,89	0
84	MG	5	3770	1/1	0.96	0.12	79,79,79,79	0
84	MG	5	3771	1/1	0.96	0.14	77,77,77,77	0
84	MG	1	3940	1/1	0.96	0.13	64,64,64,64	0
84	MG	1	3453	1/1	0.96	0.09	70,70,70,70	0
84	MG	5	3774	1/1	0.96	0.29	116,116,116,116	0
84	MG	1	3942	1/1	0.96	0.27	49,49,49,49	0
84	MG	5	3776	1/1	0.96	0.12	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	2	2021	1/1	0.96	0.40	90,90,90,90	0
84	MG	1	3689	1/1	0.96	0.26	58,58,58,58	0
85	LLL	5	4151	31/31	0.96	0.22	48,48,49,49	0
84	MG	1	3596	1/1	0.96	0.36	55,55,55,55	0
84	MG	1	3787	1/1	0.96	0.85	67,67,67,67	0
84	MG	5	3623	1/1	0.96	0.30	62,62,62,62	0
84	MG	5	3782	1/1	0.96	0.16	67,67,67,67	0
84	MG	5	3783	1/1	0.96	0.31	41,41,41,41	0
85	LLL	5	4157	31/31	0.96	0.25	49,49,49,49	0
84	MG	1	3432	1/1	0.96	0.43	46,46,46,46	0
84	MG	1	3789	1/1	0.96	0.27	80,80,80,80	0
84	MG	5	4036	1/1	0.96	0.30	56,56,56,56	0
84	MG	5	4127	1/1	0.96	0.22	62,62,62,62	0
84	MG	1	3425	1/1	0.96	0.26	57,57,57,57	0
84	MG	5	3561	1/1	0.96	0.29	57,57,57,57	0
84	MG	5	3789	1/1	0.96	0.35	48,48,48,48	0
84	MG	5	3493	1/1	0.96	0.18	57,57,57,57	0
84	MG	2	1983	1/1	0.96	0.22	112,112,112,112	0
84	MG	6	2019	1/1	0.96	0.18	81,81,81,81	0
84	MG	1	3721	1/1	0.96	0.26	59,59,59,59	0
84	MG	5	3957	1/1	0.96	0.31	57,57,57,57	0
84	MG	1	3600	1/1	0.96	0.34	54,54,54,54	0
84	MG	5	3713	1/1	0.96	0.21	78,78,78,78	0
84	MG	1	3438	1/1	0.96	0.30	51,51,51,51	0
84	MG	1	3553	1/1	0.96	0.20	71,71,71,71	0
84	MG	1	3439	1/1	0.96	0.27	49,49,49,49	0
84	MG	5	3963	1/1	0.96	0.12	102,102,102,102	0
84	MG	6	2138	1/1	0.96	0.13	84,84,84,84	0
84	MG	5	3719	1/1	0.96	0.24	66,66,66,66	0
84	MG	1	3419	1/1	0.96	0.22	55,55,55,55	0
84	MG	1	3528	1/1	0.96	0.41	63,63,63,63	0
84	MG	6	2031	1/1	0.96	0.18	73,73,73,73	0
84	MG	1	3701	1/1	0.96	0.29	59,59,59,59	0
84	MG	1	3732	1/1	0.96	0.35	75,75,75,75	0
84	MG	1	3918	1/1	0.96	0.16	59,59,59,59	0
84	MG	5	3580	1/1	0.96	0.43	48,48,48,48	0
84	MG	5	4061	1/1	0.96	0.37	68,68,68,68	0
84	MG	5	3507	1/1	0.96	0.20	55,55,55,55	0
84	MG	1	3765	1/1	0.96	0.29	61,61,61,61	0
84	MG	1	3557	1/1	0.96	0.18	71,71,71,71	0
84	MG	1	3405	1/1	0.96	0.35	53,53,53,53	0
84	MG	6	2043	1/1	0.96	0.21	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	6	2045	1/1	0.96	0.12	68,68,68,68	0
84	MG	7	207	1/1	0.96	0.16	62,62,62,62	0
84	MG	5	3587	1/1	0.96	0.35	55,55,55,55	0
84	MG	1	3736	1/1	0.96	0.15	82,82,82,82	0
84	MG	5	3515	1/1	0.96	0.21	43,43,43,43	0
84	MG	7	211	1/1	0.96	0.14	67,67,67,67	0
84	MG	5	3450	1/1	0.96	0.34	42,42,42,42	0
84	MG	1	3589	1/1	0.96	0.09	55,55,55,55	0
86	ZN	E1	501	1/1	0.96	0.09	182,182,182,182	0
84	MG	1	3770	1/1	0.96	0.36	55,55,55,55	0
84	MG	6	2054	1/1	0.96	0.14	76,76,76,76	0
84	MG	6	1999	1/1	0.97	0.24	87,87,87,87	0
84	MG	1	3857	1/1	0.97	0.44	47,47,47,47	0
84	MG	5	3568	1/1	0.97	0.20	67,67,67,67	0
84	MG	6	2002	1/1	0.97	0.12	68,68,68,68	0
84	MG	1	3895	1/1	0.97	0.18	66,66,66,66	0
84	MG	1	3587	1/1	0.97	0.32	58,58,58,58	0
84	MG	2	1959	1/1	0.97	0.15	110,110,110,110	0
84	MG	n5	203	1/1	0.97	0.06	89,89,89,89	0
84	MG	1	3897	1/1	0.97	0.14	104,104,104,104	0
84	MG	6	2009	1/1	0.97	0.12	73,73,73,73	0
84	MG	5	4055	1/1	0.97	0.24	103,103,103,103	0
84	MG	5	3575	1/1	0.97	0.21	51,51,51,51	0
84	MG	5	3428	1/1	0.97	0.14	47,47,47,47	0
84	MG	6	2013	1/1	0.97	0.26	76,76,76,76	0
84	MG	1	3638	1/1	0.97	0.17	90,90,90,90	0
84	MG	o2	201	1/1	0.97	0.30	55,55,55,55	0
84	MG	5	3949	1/1	0.97	0.36	56,56,56,56	0
84	MG	5	3579	1/1	0.97	0.45	45,45,45,45	0
84	MG	5	3847	1/1	0.97	0.31	45,45,45,45	0
84	MG	5	3952	1/1	0.97	0.19	58,58,58,58	0
84	MG	o4	502	1/1	0.97	0.42	87,87,87,87	0
84	MG	5	3848	1/1	0.97	0.26	44,44,44,44	0
84	MG	1	3734	1/1	0.97	0.17	77,77,77,77	0
84	MG	6	2159	1/1	0.97	0.15	81,81,81,81	0
84	MG	1	3938	1/1	0.97	0.30	62,62,62,62	0
84	MG	5	3582	1/1	0.97	0.30	54,54,54,54	0
84	MG	1	3606	1/1	0.97	0.29	52,52,52,52	0
84	MG	M7	202	1/1	0.97	0.36	48,48,48,48	0
84	MG	5	3585	1/1	0.97	0.38	48,48,48,48	0
84	MG	1	3429	1/1	0.97	0.34	50,50,50,50	0
84	MG	5	3666	1/1	0.97	0.14	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3795	1/1	0.97	0.41	56,56,56,56	0
84	MG	1	3826	1/1	0.97	0.41	65,65,65,65	0
84	MG	5	3589	1/1	0.97	0.35	58,58,58,58	0
84	MG	6	2033	1/1	0.97	0.18	74,74,74,74	0
84	MG	s5	303	1/1	0.97	0.33	77,77,77,77	0
84	MG	1	3796	1/1	0.97	0.18	60,60,60,60	0
84	MG	5	3508	1/1	0.97	0.10	53,53,53,53	0
84	MG	2	1971	1/1	0.97	0.27	102,102,102,102	0
84	MG	5	3864	1/1	0.97	0.34	68,68,68,68	0
84	MG	5	3678	1/1	0.97	0.25	68,68,68,68	0
84	MG	5	3679	1/1	0.97	0.23	66,66,66,66	0
84	MG	1	3866	1/1	0.97	0.28	55,55,55,55	0
84	MG	6	1908	1/1	0.97	0.18	70,70,70,70	0
84	MG	5	3681	1/1	0.97	0.29	66,66,66,66	0
84	MG	6	2044	1/1	0.97	0.15	71,71,71,71	0
84	MG	1	3474	1/1	0.97	0.29	59,59,59,59	0
84	MG	N0	204	1/1	0.97	0.13	68,68,68,68	0
84	MG	1	3404	1/1	0.97	0.34	53,53,53,53	0
84	MG	1	3534	1/1	0.97	0.46	63,63,63,63	0
84	MG	1	3740	1/1	0.97	0.17	74,74,74,74	0
84	MG	5	3979	1/1	0.97	0.37	46,46,46,46	0
84	MG	N3	202	1/1	0.97	0.32	55,55,55,55	0
84	MG	1	3690	1/1	0.97	0.40	58,58,58,58	0
84	MG	2	1926	1/1	0.97	0.52	89,89,89,89	0
84	MG	5	3877	1/1	0.97	0.17	89,89,89,89	0
84	MG	6	2055	1/1	0.97	0.17	77,77,77,77	0
84	MG	5	4093	1/1	0.97	0.15	73,73,73,73	0
84	MG	2	1928	1/1	0.97	0.47	67,67,67,67	0
84	MG	1	3771	1/1	0.97	0.23	59,59,59,59	0
84	MG	1	3644	1/1	0.97	0.32	49,49,49,49	0
84	MG	1	3403	1/1	0.97	0.35	58,58,58,58	0
84	MG	5	3988	1/1	0.97	0.36	45,45,45,45	0
84	MG	5	3989	1/1	0.97	0.28	47,47,47,47	0
84	MG	2	2039	1/1	0.97	0.20	95,95,95,95	0
84	MG	2	1932	1/1	0.97	0.25	91,91,91,91	0
84	MG	6	1932	1/1	0.97	0.34	62,62,62,62	0
84	MG	1	3647	1/1	0.97	0.13	55,55,55,55	0
84	MG	l5	301	1/1	0.97	0.15	56,56,56,56	0
84	MG	1	3745	1/1	0.97	0.11	73,73,73,73	0
84	MG	5	4105	1/1	0.97	0.32	56,56,56,56	0
84	MG	5	3459	1/1	0.97	0.14	52,52,52,52	1
84	MG	1	3478	1/1	0.97	0.31	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	1	3537	1/1	0.97	0.30	60,60,60,60	0
84	MG	5	3890	1/1	0.97	0.19	62,62,62,62	0
84	MG	5	3702	1/1	0.97	0.11	85,85,85,85	0
84	MG	6	2076	1/1	0.97	0.21	64,64,64,64	0
84	MG	S3	301	1/1	0.97	0.14	100,100,100,100	0
84	MG	1	3407	1/1	0.97	0.28	59,59,59,59	0
84	MG	5	3464	1/1	0.97	0.29	52,52,52,52	0
84	MG	1	3697	1/1	0.97	0.19	56,56,56,56	0
84	MG	6	2081	1/1	0.97	0.20	69,69,69,69	0
84	MG	5	4005	1/1	0.97	0.21	58,58,58,58	0
84	MG	1	3480	1/1	0.97	0.31	62,62,62,62	0
84	MG	6	1948	1/1	0.97	0.27	66,66,66,66	0
84	MG	O4	502	1/1	0.97	0.10	106,106,106,106	0
84	MG	6	2086	1/1	0.97	0.09	83,83,83,83	0
84	MG	1	3420	1/1	0.97	0.18	53,53,53,53	0
84	MG	5	3901	1/1	0.97	0.74	55,55,55,55	0
84	MG	l9	207	1/1	0.97	0.11	52,52,52,52	0
84	MG	1	3846	1/1	0.97	0.26	53,53,53,53	0
84	MG	1	3415	1/1	0.97	0.39	55,55,55,55	0
84	MG	6	1955	1/1	0.97	0.16	77,77,77,77	0
84	MG	5	3471	1/1	0.97	0.40	56,56,56,56	0
84	MG	1	3848	1/1	0.97	0.15	57,57,57,57	0
84	MG	2	1945	1/1	0.97	0.31	87,87,87,87	0
84	MG	5	3625	1/1	0.97	0.27	54,54,54,54	0
84	MG	5	3717	1/1	0.97	0.31	52,52,52,52	0
84	MG	5	3626	1/1	0.97	0.28	52,52,52,52	0
84	MG	6	2099	1/1	0.97	0.31	57,57,57,57	0
84	MG	1	3544	1/1	0.97	0.38	54,54,54,54	0
84	MG	6	1965	1/1	0.97	0.13	72,72,72,72	0
84	MG	5	3720	1/1	0.97	0.08	71,71,71,71	0
84	MG	1	3619	1/1	0.97	0.32	59,59,59,59	0
84	MG	Q1	101	1/1	0.97	0.25	83,83,83,83	0
84	MG	5	3630	1/1	0.97	0.20	50,50,50,50	0
84	MG	5	3724	1/1	0.97	0.17	60,60,60,60	1
84	MG	1	3516	1/1	0.97	0.34	54,54,54,54	0
84	MG	M0	304	1/1	0.97	0.13	62,62,62,62	0
84	MG	5	3633	1/1	0.97	0.30	45,45,45,45	0
84	MG	5	3820	1/1	0.97	0.13	52,52,52,52	0
84	MG	5	3411	1/1	0.97	0.38	46,46,46,46	0
84	MG	5	4029	1/1	0.97	0.27	52,52,52,52	0
84	MG	5	3413	1/1	0.97	0.30	46,46,46,46	0
84	MG	m7	201	1/1	0.97	0.25	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3560	1/1	0.97	0.24	51,51,51,51	0
84	MG	5	3824	1/1	0.97	0.15	58,58,58,58	0
84	MG	1	3729	1/1	0.97	0.21	72,72,72,72	0
84	MG	5	3733	1/1	0.97	0.14	65,65,65,65	0
84	MG	1	3678	1/1	0.97	0.28	69,69,69,69	0
84	MG	5	3930	1/1	0.97	0.20	45,45,45,45	0
84	MG	5	3639	1/1	0.97	0.30	42,42,42,42	0
84	MG	5	4038	1/1	0.97	0.10	79,79,79,79	0
84	MG	7	202	1/1	0.97	0.23	52,52,52,52	0
84	MG	5	3640	1/1	0.97	0.42	41,41,41,41	0
84	MG	7	204	1/1	0.97	0.28	54,54,54,54	0
84	MG	5	3830	1/1	0.97	0.07	49,49,49,49	1
84	MG	7	206	1/1	0.97	0.12	62,62,62,62	0
84	MG	n0	202	1/1	0.97	0.26	52,52,52,52	0
84	MG	5	3831	1/1	0.97	0.26	44,44,44,44	0
84	MG	5	3737	1/1	0.97	0.27	49,49,49,49	0
86	ZN	O4	501	1/1	0.97	0.08	141,141,141,141	0
86	ZN	Q3	501	1/1	0.97	0.12	108,108,108,108	0
84	MG	1	3731	1/1	0.97	0.15	80,80,80,80	0
84	MG	5	3417	1/1	0.97	0.38	43,43,43,43	0
84	MG	1	3856	1/1	0.97	0.26	55,55,55,55	0
84	MG	2	1903	1/1	0.97	0.33	90,90,90,90	0
84	MG	2	1927	1/1	0.98	0.26	95,95,95,95	0
84	MG	1	3850	1/1	0.98	0.29	57,57,57,57	0
84	MG	1	3433	1/1	0.98	0.30	49,49,49,49	0
84	MG	5	3788	1/1	0.98	0.22	50,50,50,50	0
84	MG	5	3572	1/1	0.98	0.23	67,67,67,67	0
84	MG	5	3573	1/1	0.98	0.31	61,61,61,61	0
84	MG	2	1970	1/1	0.98	0.18	105,105,105,105	0
84	MG	1	3947	1/1	0.98	0.48	79,79,79,79	0
84	MG	5	3956	1/1	0.98	0.29	55,55,55,55	0
84	MG	5	3511	1/1	0.98	0.18	47,47,47,47	0
84	MG	1	3591	1/1	0.98	0.41	46,46,46,46	0
84	MG	5	4044	1/1	0.98	0.40	72,72,72,72	0
84	MG	5	3578	1/1	0.98	0.17	48,48,48,48	1
84	MG	d3	203	1/1	0.98	0.11	68,68,68,68	0
84	MG	5	3643	1/1	0.98	0.26	55,55,55,55	0
84	MG	q3	504	1/1	0.98	0.23	74,74,74,74	0
84	MG	5	3513	1/1	0.98	0.22	48,48,48,48	0
84	MG	5	3405	1/1	0.98	0.42	47,47,47,47	0
84	MG	5	3407	1/1	0.98	0.37	43,43,43,43	0
84	MG	5	3408	1/1	0.98	0.26	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	6	1905	1/1	0.98	0.26	64,64,64,64	0
84	MG	l7	301	1/1	0.98	0.24	45,45,45,45	0
84	MG	1	3511	1/1	0.98	0.39	59,59,59,59	0
84	MG	1	3688	1/1	0.98	0.26	61,61,61,61	0
84	MG	1	3498	1/1	0.98	0.19	62,62,62,62	0
84	MG	5	3412	1/1	0.98	0.27	47,47,47,47	0
84	MG	5	3522	1/1	0.98	0.22	42,42,42,42	0
84	MG	5	3885	1/1	0.98	0.20	65,65,65,65	0
84	MG	1	3513	1/1	0.98	0.34	55,55,55,55	0
84	MG	1	3595	1/1	0.98	0.27	54,54,54,54	0
84	MG	5	3655	1/1	0.98	0.17	78,78,78,78	0
84	MG	5	3656	1/1	0.98	0.19	78,78,78,78	0
84	MG	1	3434	1/1	0.98	0.24	53,53,53,53	0
84	MG	m0	302	1/1	0.98	0.21	53,53,53,53	0
84	MG	5	3811	1/1	0.98	0.30	44,44,44,44	0
84	MG	7	201	1/1	0.98	0.27	45,45,45,45	0
84	MG	4	216	1/1	0.98	0.12	69,69,69,69	0
84	MG	1	3401	1/1	0.98	0.31	56,56,56,56	0
84	MG	5	3418	1/1	0.98	0.29	44,44,44,44	0
84	MG	m4	202	1/1	0.98	0.19	52,52,52,52	0
84	MG	3	201	1/1	0.98	0.13	81,81,81,81	0
84	MG	5	3662	1/1	0.98	0.22	50,50,50,50	0
84	MG	5	3472	1/1	0.98	0.17	57,57,57,57	0
84	MG	5	3898	1/1	0.98	0.20	56,56,56,56	0
84	MG	6	2122	1/1	0.98	0.30	96,96,96,96	0
84	MG	6	1930	1/1	0.98	0.22	70,70,70,70	0
84	MG	6	1931	1/1	0.98	0.31	67,67,67,67	0
84	MG	1	3411	1/1	0.98	0.39	53,53,53,53	0
84	MG	1	3422	1/1	0.98	0.25	50,50,50,50	0
84	MG	5	3533	1/1	0.98	0.27	45,45,45,45	0
84	MG	5	3422	1/1	0.98	0.27	49,49,49,49	0
84	MG	1	3832	1/1	0.98	0.21	58,58,58,58	0
84	MG	5	3906	1/1	0.98	0.22	50,50,50,50	0
84	MG	5	3669	1/1	0.98	0.23	63,63,63,63	0
84	MG	5	3908	1/1	0.98	0.33	48,48,48,48	0
84	MG	5	3670	1/1	0.98	0.30	63,63,63,63	0
84	MG	5	3536	1/1	0.98	0.43	56,56,56,56	0
84	MG	5	3537	1/1	0.98	0.49	48,48,48,48	0
84	MG	1	3491	1/1	0.98	0.34	79,79,79,79	0
84	MG	6	2040	1/1	0.98	0.16	78,78,78,78	0
84	MG	1	3471	1/1	0.98	0.20	63,63,63,63	0
84	MG	5	3676	1/1	0.98	0.10	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	5	3677	1/1	0.98	0.22	59,59,59,59	0
84	MG	5	3479	1/1	0.98	0.32	48,48,48,48	0
84	MG	2	1988	1/1	0.98	0.14	112,112,112,112	0
84	MG	5	3481	1/1	0.98	0.31	49,49,49,49	0
84	MG	1	3725	1/1	0.98	0.26	62,62,62,62	0
84	MG	5	3758	1/1	0.98	0.25	65,65,65,65	0
84	MG	5	3544	1/1	0.98	0.30	61,61,61,61	0
84	MG	5	3683	1/1	0.98	0.23	73,73,73,73	0
84	MG	5	3761	1/1	0.98	0.34	69,69,69,69	0
84	MG	5	3545	1/1	0.98	0.23	49,49,49,49	0
84	MG	5	4095	1/1	0.98	0.12	68,68,68,68	0
84	MG	1	3539	1/1	0.98	0.24	52,52,52,52	0
84	MG	1	3472	1/1	0.98	0.32	57,57,57,57	0
84	MG	5	3548	1/1	0.98	0.33	60,60,60,60	0
84	MG	6	2057	1/1	0.98	0.24	81,81,81,81	0
84	MG	N0	202	1/1	0.98	0.12	49,49,49,49	0
84	MG	1	3673	1/1	0.98	0.12	66,66,66,66	0
84	MG	1	3839	1/1	0.98	0.34	57,57,57,57	0
84	MG	6	1964	1/1	0.98	0.40	73,73,73,73	0
84	MG	1	3870	1/1	0.98	0.21	58,58,58,58	0
84	MG	5	3489	1/1	0.98	0.16	55,55,55,55	0
84	MG	1	3523	1/1	0.98	0.18	70,70,70,70	0
84	MG	1	3542	1/1	0.98	0.26	52,52,52,52	0
84	MG	5	3851	1/1	0.98	0.20	54,54,54,54	0
84	MG	1	3416	1/1	0.98	0.17	56,56,56,56	0
84	MG	2	1916	1/1	0.98	0.16	90,90,90,90	0
84	MG	L4	402	1/1	0.98	0.08	65,65,65,65	0
84	MG	1	3525	1/1	0.98	0.23	69,69,69,69	0
84	MG	1	3507	1/1	0.98	0.35	60,60,60,60	0
84	MG	1	3679	1/1	0.98	0.18	68,68,68,68	0
84	MG	1	3762	1/1	0.98	0.26	70,70,70,70	0
86	ZN	Q2	501	1/1	0.98	0.08	102,102,102,102	0
84	MG	4	201	1/1	0.98	0.34	55,55,55,55	0
84	MG	1	3475	1/1	0.98	0.29	60,60,60,60	0
86	ZN	D9	101	1/1	0.98	0.11	121,121,121,121	0
84	MG	1	3567	1/1	0.98	0.16	66,66,66,66	0
86	ZN	o4	501	1/1	0.98	0.17	127,127,127,127	0
84	MG	1	3485	1/1	0.98	0.21	70,70,70,70	0
84	MG	1	3943	1/1	0.98	0.30	60,60,60,60	0
84	MG	6	1928	1/1	0.99	0.31	68,68,68,68	0
84	MG	1	3562	1/1	0.99	0.10	80,80,80,80	0
84	MG	1	3684	1/1	0.99	0.25	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
84	MG	l2	302	1/1	0.99	0.29	53,53,53,53	0
84	MG	5	3499	1/1	0.99	0.15	53,53,53,53	0
84	MG	5	3500	1/1	0.99	0.19	51,51,51,51	0
84	MG	5	3727	1/1	0.99	0.25	46,46,46,46	0
84	MG	2	1982	1/1	0.99	0.13	97,97,97,97	0
84	MG	5	3444	1/1	0.99	0.24	45,45,45,45	0
84	MG	1	3646	1/1	0.99	0.22	52,52,52,52	0
84	MG	l3	404	1/1	0.99	0.27	42,42,42,42	0
84	MG	5	3994	1/1	0.99	0.21	48,48,48,48	0
84	MG	5	3995	1/1	0.99	0.22	47,47,47,47	0
84	MG	1	3716	1/1	0.99	0.32	66,66,66,66	0
84	MG	5	3447	1/1	0.99	0.34	49,49,49,49	0
84	MG	5	4124	1/1	0.99	0.22	50,50,50,50	0
84	MG	1	3717	1/1	0.99	0.64	56,56,56,56	0
84	MG	1	3671	1/1	0.99	0.35	55,55,55,55	0
84	MG	1	3522	1/1	0.99	0.34	63,63,63,63	0
84	MG	1	3473	1/1	0.99	0.37	59,59,59,59	0
84	MG	5	3452	1/1	0.99	0.16	48,48,48,48	0
84	MG	5	3738	1/1	0.99	0.30	50,50,50,50	0
84	MG	1	3428	1/1	0.99	0.22	54,54,54,54	0
84	MG	5	3426	1/1	0.99	0.21	48,48,48,48	0
84	MG	5	3402	1/1	0.99	0.22	47,47,47,47	0
84	MG	5	3673	1/1	0.99	0.33	55,55,55,55	0
84	MG	O2	201	1/1	0.99	0.11	60,60,60,60	0
84	MG	6	2004	1/1	0.99	0.22	67,67,67,67	0
84	MG	5	4050	1/1	0.99	0.10	80,80,80,80	0
84	MG	5	3816	1/1	0.99	0.17	43,43,43,43	0
84	MG	1	3756	1/1	0.99	0.24	62,62,62,62	0
84	MG	1	3946	1/1	0.99	0.27	54,54,54,54	0
84	MG	5	3406	1/1	0.99	0.27	44,44,44,44	0
84	MG	1	3435	1/1	0.99	0.23	53,53,53,53	0
84	MG	1	3460	1/1	0.99	0.27	58,58,58,58	0
84	MG	1	3436	1/1	0.99	0.28	49,49,49,49	0
84	MG	6	1963	1/1	0.99	0.32	68,68,68,68	0
84	MG	5	3521	1/1	0.99	0.19	50,50,50,50	0
84	MG	5	3715	1/1	0.99	0.15	54,54,54,54	0
84	MG	1	3520	1/1	0.99	0.22	69,69,69,69	0
84	MG	5	3900	1/1	0.99	0.41	51,51,51,51	0
84	MG	1	3588	1/1	0.99	0.26	58,58,58,58	0
86	ZN	Q0	500	1/1	0.99	0.17	72,72,72,72	0
84	MG	m0	301	1/1	0.99	0.26	49,49,49,49	1
84	MG	5	3902	1/1	0.99	0.42	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
86	ZN	D6	500	1/1	0.99	0.13	101,101,101,101	0
84	MG	1	3599	1/1	0.99	0.28	52,52,52,52	0
84	MG	1	3406	1/1	0.99	0.11	58,58,58,58	0
84	MG	1	3682	1/1	0.99	0.09	65,65,65,65	0
84	MG	5	4109	1/1	0.99	0.22	42,42,42,42	0
86	ZN	o7	501	1/1	0.99	0.19	80,80,80,80	0
86	ZN	q2	501	1/1	0.99	0.10	94,94,94,94	0
86	ZN	q3	501	1/1	0.99	0.14	102,102,102,102	0
86	ZN	d6	101	1/1	0.99	0.16	82,82,82,82	0
84	MG	1	3783	1/1	0.99	0.21	61,61,61,61	0
86	ZN	d9	101	1/1	0.99	0.12	89,89,89,89	0
84	MG	5	3559	1/1	0.99	0.11	56,56,56,56	1
86	ZN	O7	101	1/1	1.00	0.14	77,77,77,77	0
86	ZN	q0	201	1/1	1.00	0.15	52,52,52,52	0

6.5 Other polymers (i)

There are no such residues in this entry.