wwPDB X-ray Structure Validation Summary Report (i)

Jun 17, 2025 – 07:59 PM EDT

PDB ID	:	9O3L / pdb_00009o3l
Title	:	Crystal structure of the wild-type Thermus thermophilus 70S ribosome in complex with macrolide erythromycin, mRNA, deacylated A-site tRNAphe, P-site fMRC-peptidyl-tRNAmet, and deacylated E-site tRNAphe at 2.75A resolution
Authors	:	Syroegin, E.A.; Aleksandrova, E.V.; Kruglov, A.A.; Paranjpe, M.N.; Svetlov, M.S.; Polikanov, Y.S.
Deposited on	:	2025-04-07
Resolution	:	2.75 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 (1)) were used in the production of this report:

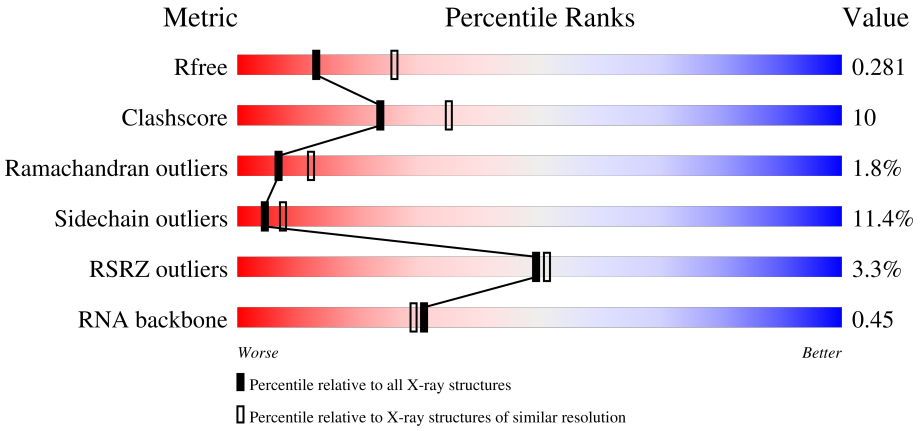
MolProbity	:	4-5-2 with Phenix2.0rc1
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0rc1
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.006 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.44

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 2.75 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}	164625	1606 (2.78-2.74)
Clashscore	180529	1689 (2.78-2.74)
Ramachandran outliers	177936	1665 (2.78-2.74)
Sidechain outliers	177891	1665 (2.78-2.74)
RSRZ outliers	164620	1606 (2.78-2.74)
RNA backbone	3690	1094 (3.00-2.52)

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	1A	2915	2% 59% 33% 7% •
1	2A	2915	2% 53% 35% 8% •
2	1B	121	60% 38% ••
2	2B	121	2% 43% 47% 9% •

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Mol	Chain	Length	Quality of chain
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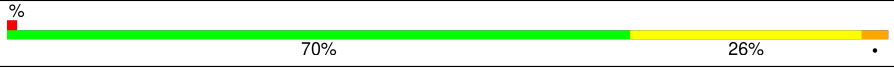
3	2D	276	
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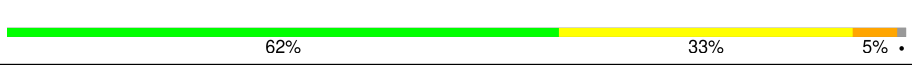
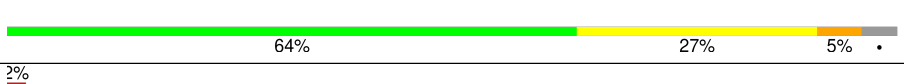
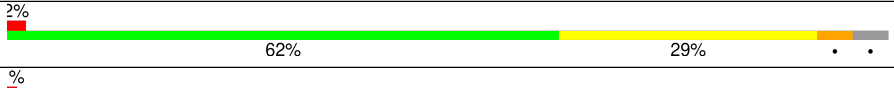
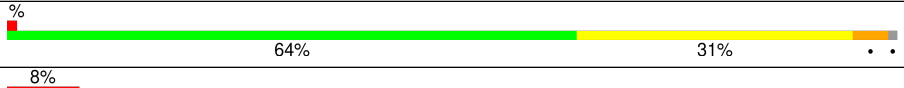
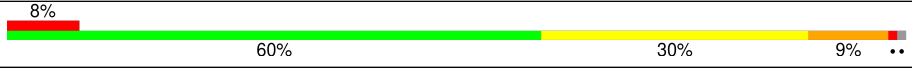
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
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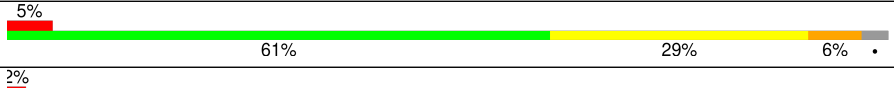
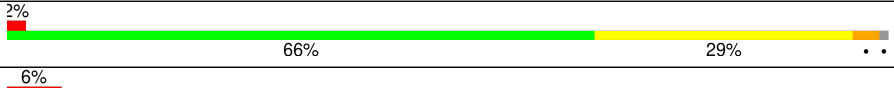
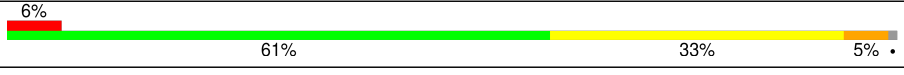
7	2H	180	
8	1I	148	
8	2I	148	
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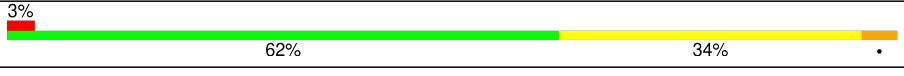
9	2N	140	
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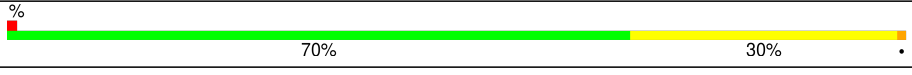
10	2O	122	
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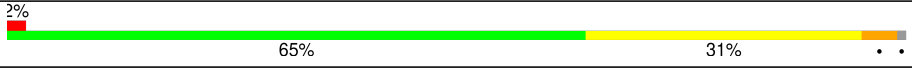
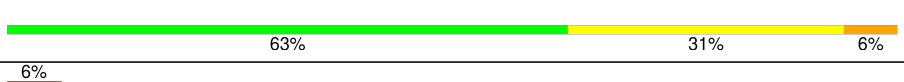
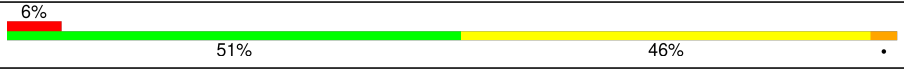
11	2P	150	
12	1Q	141	
12	2Q	141	
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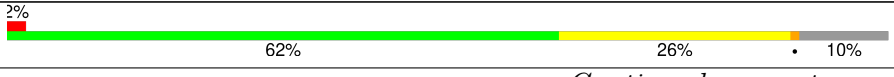
13	2R	118	
14	1S	112	
14	2S	112	
15	1T	146	

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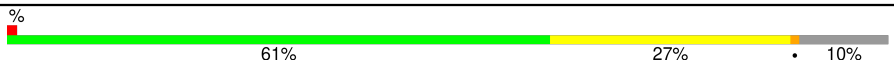
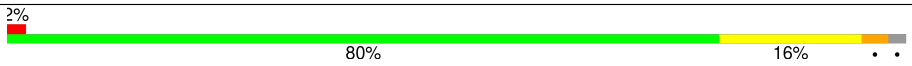
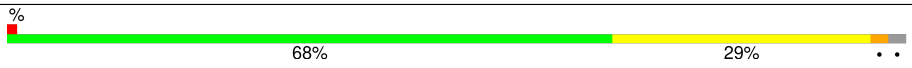
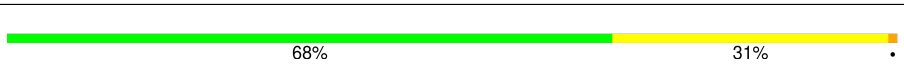
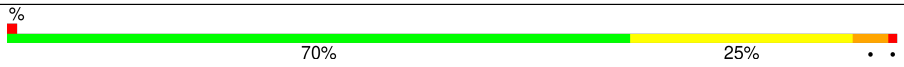
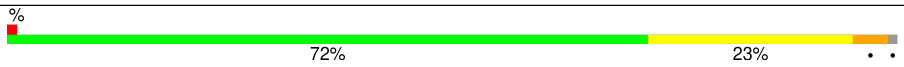
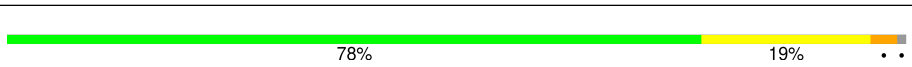
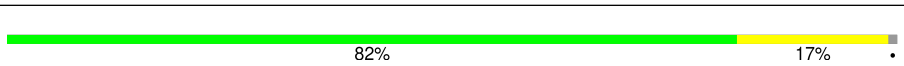
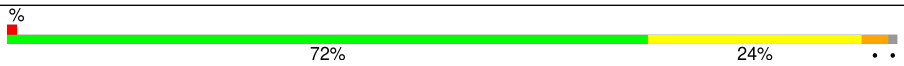
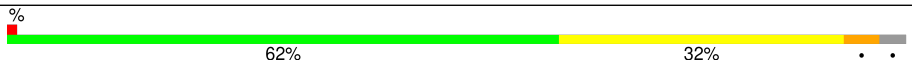
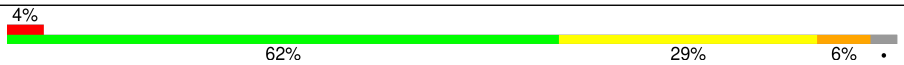
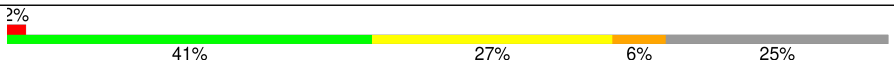
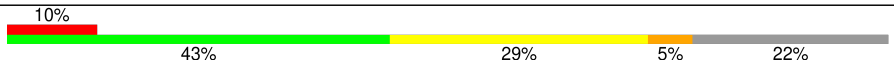
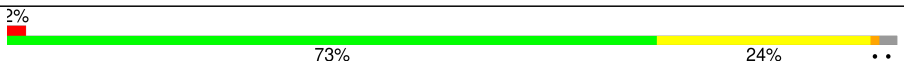
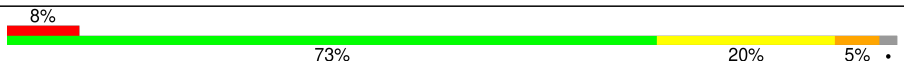
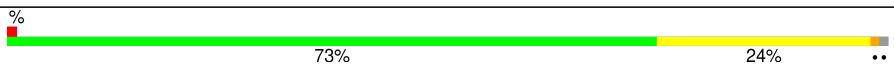
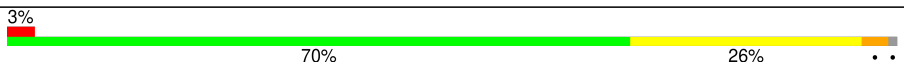
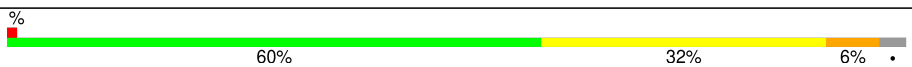
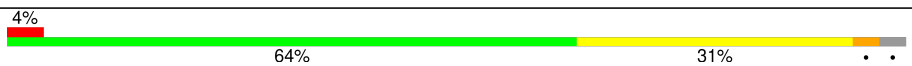
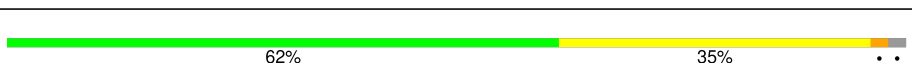
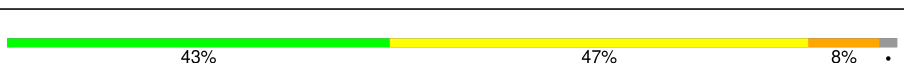
Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25	23	60	
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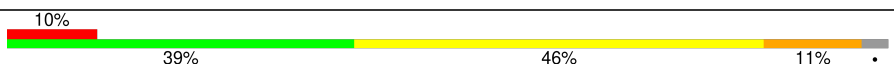
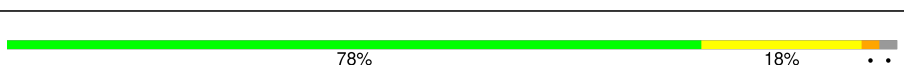
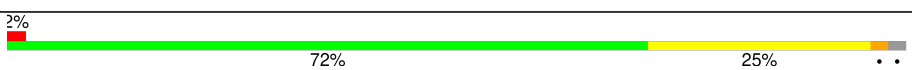
26	24	71	
27	15	60	
27	25	60	

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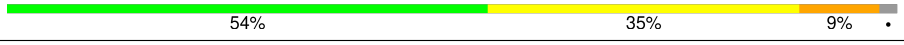
Mol	Chain	Length	Quality of chain
28	16	54	
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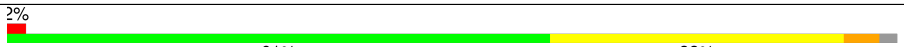
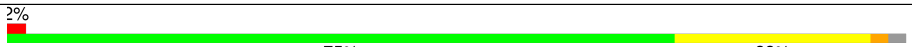
29	17	49	
29	27	49	
30	18	65	
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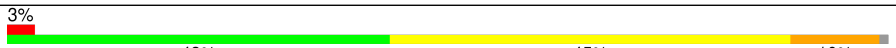
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
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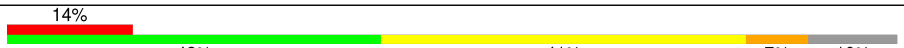
33	2b	256	
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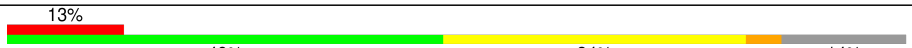
34	2c	239	
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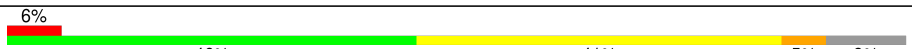
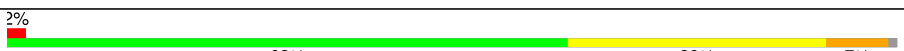
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	
39	2h	138	
40	1i	128	

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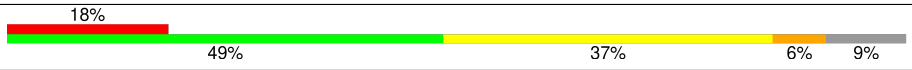
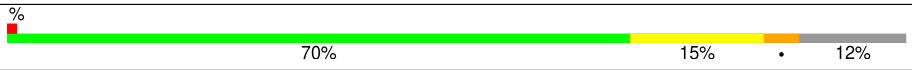
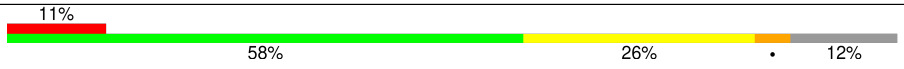
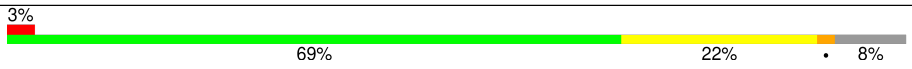
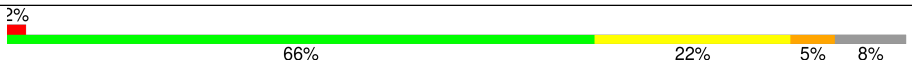
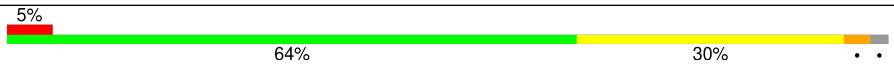
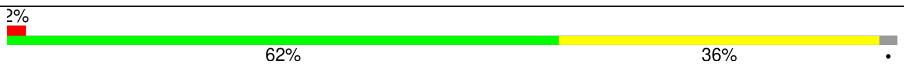
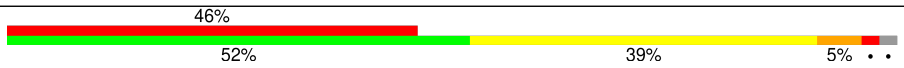
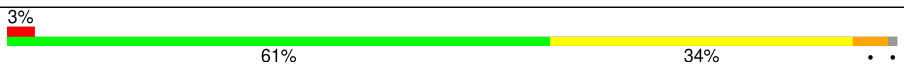
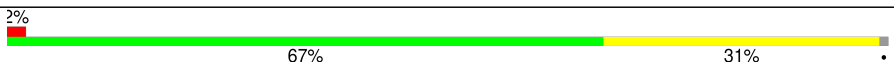
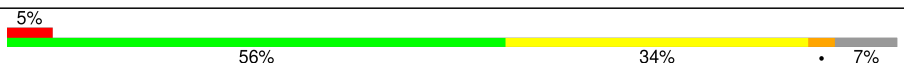
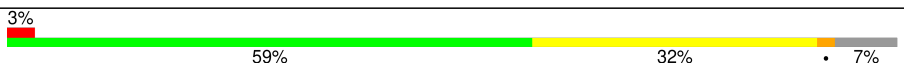
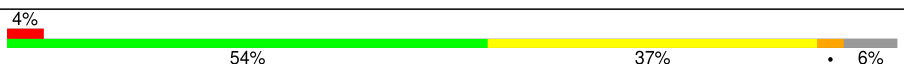
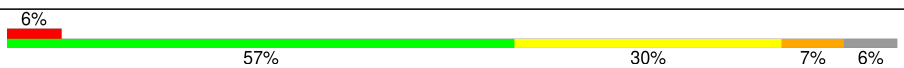
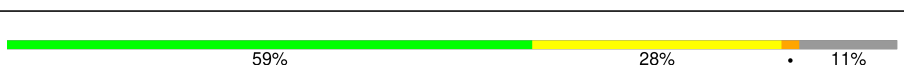
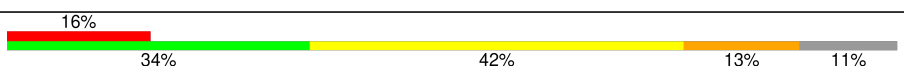
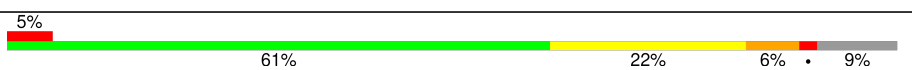
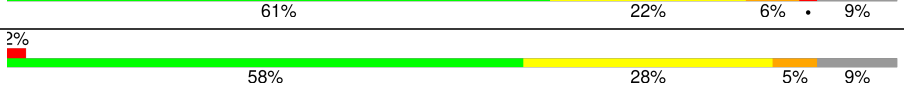
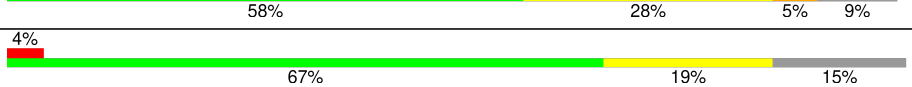
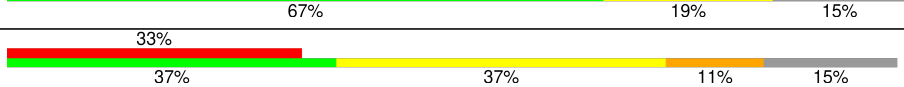
Mol	Chain	Length	Quality of chain
40	2i	128	
41	1j	105	
41	2j	105	
42	1k	129	
42	2k	129	
43	1l	132	
43	2l	132	
44	1m	126	
44	2m	126	
45	1n	61	
45	2n	61	
46	1o	89	
46	2o	89	
47	1p	88	
47	2p	88	
48	1q	105	
48	2q	105	
49	1r	88	
49	2r	88	
50	1s	93	
50	2s	93	
51	1t	106	
51	2t	106	
52	1u	27	
52	2u	27	

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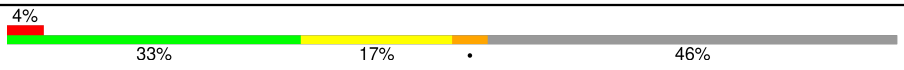
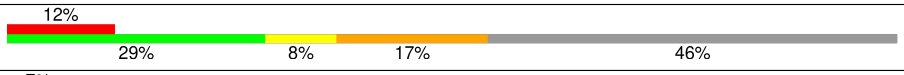
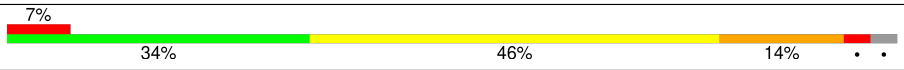
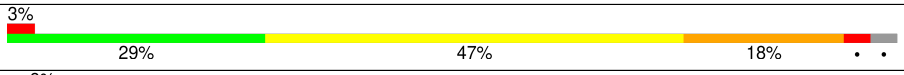
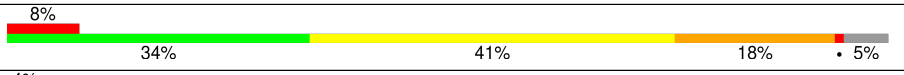
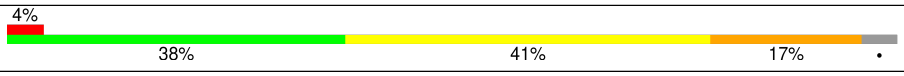
Mol	Chain	Length	Quality of chain
53	1v	24	
53	2v	24	
54	1w	76	
54	1y	76	
54	2w	76	
54	2y	76	
55	1x	77	
55	2x	77	
56	1z	3	
56	2z	3	

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
57	MG	2a	1695	-	-	-	X
61	SF4	2d	303	-	-	X	-

2 Entry composition (i)

There are 62 unique types of molecules in this entry. The entry contains 299368 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 23S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2871	Total	C	N	O	P	0	0	0
			61852	27531	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60322	26848	11284	19390	2800			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2577	1146	476	835	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2575	1146	476	833	120			

- Molecule 3 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			

- Molecule 4 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	1E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			
4	2E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			

- Molecule 5 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	202	Total	C	N	O	S	0	0	0
			1583	1009	297	275	2			
5	2F	202	Total	C	N	O	S	0	0	0
			1579	1007	296	274	2			

- Molecule 6 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	1G	181	Total	C	N	O	S	0	0	0
			1423	913	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1428	913	258	253	4			

- Molecule 7 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	1H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
7	2H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			

- Molecule 8 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	146	Total	C	N	O	S	0	0	0
			1097	701	191	204	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1064	681	186	196	1			

- Molecule 9 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			
9	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

- Molecule 10 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	2O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

- Molecule 11 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	1P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			
11	2P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

- Molecule 12 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	1Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
12	2Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			

- Molecule 13 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	1R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
13	2R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 14 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total	C	N	O	0	0	0
			873	550	174	149			
14	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

- Molecule 15 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	1T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
15	2T	131	Total	C	N	O	S	0	0	0
			1083	675	224	183	1			

- Molecule 16 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	1U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
16	2U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			

- Molecule 17 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

- Molecule 18 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	1W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			
18	2W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			

- Molecule 19 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	1X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
19	2X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 20 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			

- Molecule 21 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	154	Total	C	N	O	S	0	0	0
			1240	795	222	220	3			
21	2Z	160	Total	C	N	O	S	0	0	0
			1271	814	228	227	2			

- Molecule 22 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	83	Total	C	N	O	S	0	0	0
			653	404	139	109	1			
22	20	83	Total	C	N	O	S	0	0	0
			653	404	139	109	1			

- Molecule 23 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			
23	21	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			

- Molecule 24 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
24	22	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			

- Molecule 25 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	13	59	Total	C	N	O	0	0	0
			469	298	90	81			
25	23	59	Total	C	N	O	0	0	0
			464	296	90	78			

- Molecule 26 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	14	69	Total	C	N	O	S	0	0	0
			552	349	99	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			532	339	97	91	5			

- Molecule 27 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	15	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

- Molecule 28 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	16	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
28	26	53	Total	C	N	O	S	0	0	0
			449	279	91	75	4			

- Molecule 29 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	17	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
29	27	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 30 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	18	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
30	28	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

- Molecule 31 is a protein called 50S ribosomal protein L36.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	19	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
31	29	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 32 is a RNA chain called 16S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- Molecule 33 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1846	1179	331	331	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

- Molecule 34 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1c	206	Total	C	N	O	S	0	0	0
			1548	973	301	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

- Molecule 35 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1d	208	Total	C	N	O	S	0	0	0
			1655	1038	326	284	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	284	7			

- Molecule 36 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1e	148	Total	C	N	O	S	0	0	0
			1129	714	213	198	4			
36	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 37 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			810	514	144	149	3			
37	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

- Molecule 38 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1g	155	Total	C	N	O	S	0	0	0
			1231	766	243	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

- Molecule 39 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

- Molecule 40 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1i	127	Total	C	N	O	0	0	0
			983	623	193	167			
40	2i	127	Total	C	N	O	0	0	0
			978	619	190	169			

- Molecule 41 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			709	440	138	131			
41	2j	96	Total	C	N	O	0	0	0
			714	445	138	131			

- Molecule 42 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1k	114	Total	C	N	O	S	0	0	0
			829	516	155	155	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	2k	114	Total	C	N	O	S	0	0	0
			833	519	156	155	3			

- Molecule 43 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	1l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			
43	2l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			

- Molecule 44 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1m	123	Total	C	N	O	S	0	0	0
			958	592	198	166	2			
44	2m	122	Total	C	N	O	S	0	0	0
			950	586	197	165	2			

- Molecule 45 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	1n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
45	2n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 46 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	1o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			
46	2o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			

- Molecule 47 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
47	2p	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

- Molecule 48 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	1q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
48	2q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 49 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
49	1r	68	Total	C	N	O	0	0	0
			555	355	108	92			
49	2r	68	Total	C	N	O	0	0	0
			555	355	108	92			

- Molecule 50 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1s	83	Total	C	N	O	S	0	0	0
			652	417	120	113	2			
50	2s	83	Total	C	N	O	S	0	0	0
			646	412	119	113	2			

- Molecule 51 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1t	96	Total	C	N	O	S	0	0	0
			728	446	156	124	2			
51	2t	96	Total	C	N	O	S	0	0	0
			727	446	155	124	2			

- Molecule 52 is a protein called 30S ribosomal protein Thx.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
52	1u	23	Total	C	N	O	0	0	0
			199	122	48	29			
52	2u	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 53 is a RNA chain called MET-PHE-mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1v	13	Total	C	N	O	P	0	0	0
			277	125	51	88	13			
53	2v	13	Total	C	N	O	P	0	0	0
			277	125	51	88	13			

- Molecule 54 is a RNA chain called A-site and E-site Deacylated tRNAphe.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	74	Total	C	N	O	P	S	0	0	0
			1592	713	285	518	74	2			
54	1y	74	Total	C	N	O	P	S	0	0	0
			1585	707	285	518	74	1			
54	2w	72	Total	C	N	O	P	S	0	0	0
			1544	690	278	502	72	2			
54	2y	73	Total	C	N	O	P	S	0	0	0
			1565	698	283	510	73	1			

- Molecule 55 is a RNA chain called P-site Peptidyl-tRNA fMRC-tRNAcys RNA-part.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	77	Total	C	N	O	P	S	0	0	0
			1646	734	298	536	77	1			
55	2x	77	Total	C	N	O	P	S	0	0	0
			1646	734	298	536	77	1			

- Molecule 56 is a protein called P-site Peptidyl-tRNA fMRC-tRNAcys Peptide-part.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	1z	3	Total	C	N	O	S	0	0	0
			27	15	6	4	2			
56	2z	3	Total	C	N	O	S	0	0	0
			27	15	6	4	2			

- Molecule 57 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1085	Total	Mg	0	0
			1085	1085		
57	1B	38	Total	Mg	0	0
			38	38		
57	1D	12	Total	Mg	0	0
			12	12		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1E	13	Total Mg 13 13	0	0
57	1F	13	Total Mg 13 13	0	0
57	1G	4	Total Mg 4 4	0	0
57	1H	1	Total Mg 1 1	0	0
57	1I	1	Total Mg 1 1	0	0
57	1N	4	Total Mg 4 4	0	0
57	1O	4	Total Mg 4 4	0	0
57	1P	6	Total Mg 6 6	0	0
57	1Q	7	Total Mg 7 7	0	0
57	1R	6	Total Mg 6 6	0	0
57	1S	2	Total Mg 2 2	0	0
57	1T	3	Total Mg 3 3	0	0
57	1U	11	Total Mg 11 11	0	0
57	1V	7	Total Mg 7 7	0	0
57	1W	7	Total Mg 7 7	0	0
57	1X	7	Total Mg 7 7	0	0
57	1Y	2	Total Mg 2 2	0	0
57	1Z	2	Total Mg 2 2	0	0
57	10	10	Total Mg 10 10	0	0
57	11	3	Total Mg 3 3	0	0
57	12	2	Total Mg 2 2	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	13	5	Total Mg 5 5	0	0
57	14	1	Total Mg 1 1	0	0
57	15	9	Total Mg 9 9	0	0
57	16	2	Total Mg 2 2	0	0
57	17	6	Total Mg 6 6	0	0
57	18	7	Total Mg 7 7	0	0
57	1a	211	Total Mg 211 211	0	0
57	1b	1	Total Mg 1 1	0	0
57	1d	1	Total Mg 1 1	0	0
57	1e	1	Total Mg 1 1	0	0
57	1f	1	Total Mg 1 1	0	0
57	1j	1	Total Mg 1 1	0	0
57	1l	2	Total Mg 2 2	0	0
57	1m	1	Total Mg 1 1	0	0
57	1n	3	Total Mg 3 3	0	0
57	1p	1	Total Mg 1 1	0	0
57	1r	1	Total Mg 1 1	0	0
57	1t	1	Total Mg 1 1	0	0
57	1w	6	Total Mg 6 6	0	0
57	1x	12	Total Mg 12 12	0	0
57	2A	855	Total Mg 855 855	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	2B	20	Total Mg 20 20	0	0
57	2D	6	Total Mg 6 6	0	0
57	2E	9	Total Mg 9 9	0	0
57	2F	6	Total Mg 6 6	0	0
57	2N	1	Total Mg 1 1	0	0
57	2O	2	Total Mg 2 2	0	0
57	2P	2	Total Mg 2 2	0	0
57	2Q	1	Total Mg 1 1	0	0
57	2R	4	Total Mg 4 4	0	0
57	2T	3	Total Mg 3 3	0	0
57	2U	2	Total Mg 2 2	0	0
57	2V	1	Total Mg 1 1	0	0
57	2W	2	Total Mg 2 2	0	0
57	2X	1	Total Mg 1 1	0	0
57	2Y	1	Total Mg 1 1	0	0
57	2Z	1	Total Mg 1 1	0	0
57	20	3	Total Mg 3 3	0	0
57	21	1	Total Mg 1 1	0	0
57	23	2	Total Mg 2 2	0	0
57	25	1	Total Mg 1 1	0	0
57	26	1	Total Mg 1 1	0	0

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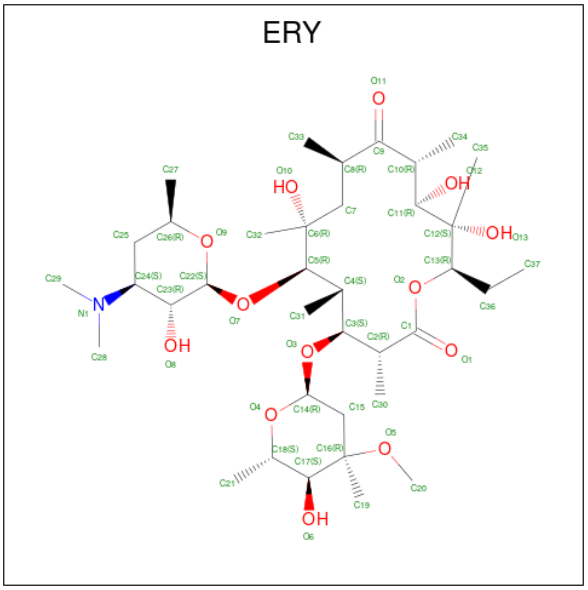
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	27	4	Total Mg 4 4	0	0
57	28	3	Total Mg 3 3	0	0
57	2a	225	Total Mg 225 225	0	0
57	2d	2	Total Mg 2 2	0	0
57	2e	1	Total Mg 1 1	0	0
57	2f	2	Total Mg 2 2	0	0
57	2g	1	Total Mg 1 1	0	0
57	2j	1	Total Mg 1 1	0	0
57	2k	1	Total Mg 1 1	0	0
57	2l	4	Total Mg 4 4	0	0
57	2o	1	Total Mg 1 1	0	0
57	2q	3	Total Mg 3 3	0	0
57	2r	1	Total Mg 1 1	0	0
57	2t	1	Total Mg 1 1	0	0
57	2v	2	Total Mg 2 2	0	0
57	2w	5	Total Mg 5 5	0	0
57	2x	6	Total Mg 6 6	0	0
57	2z	1	Total Mg 1 1	0	0
57	2y	1	Total Mg 1 1	0	0

- Molecule 58 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1A	1	Total K 1 1	0	0
58	2A	1	Total K 1 1	0	0

- Molecule 59 is ERYTHROMYCIN A (CCD ID: ERY) (formula: $C_{37}H_{67}NO_{13}$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1A	1	Total C N O 51 37 1 13	0	0
59	2A	1	Total C N O 51 37 1 13	0	0

- Molecule 60 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1Y	1	Total Zn 1 1	0	0
60	14	1	Total Zn 1 1	0	0
60	15	1	Total Zn 1 1	0	0
60	16	1	Total Zn 1 1	0	0
60	19	1	Total Zn 1 1	0	0

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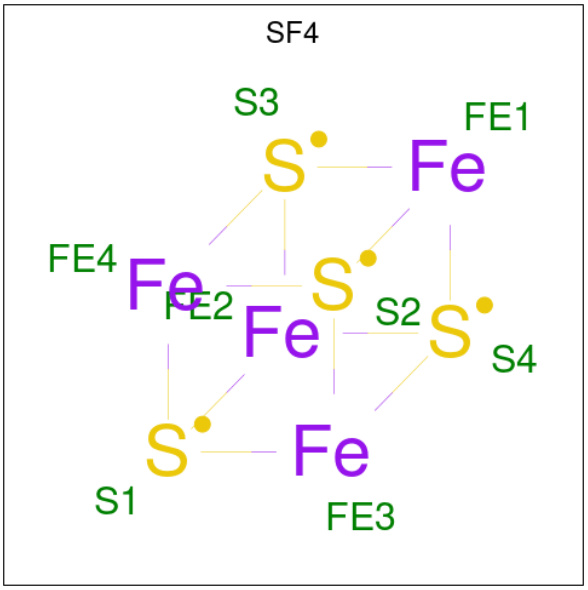
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1n	1	Total Zn 1 1	0	0
60	2Y	1	Total Zn 1 1	0	0
60	24	1	Total Zn 1 1	0	0
60	25	1	Total Zn 1 1	0	0
60	26	1	Total Zn 1 1	0	0
60	29	1	Total Zn 1 1	0	0
60	2n	1	Total Zn 1 1	0	0

- Molecule 61 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	1d	1	Total Fe S 8 4 4	0	0
61	2d	1	Total Fe S 8 4 4	0	0

- Molecule 62 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
62	1A	1680	Total O 1680 1680	0	0
62	1B	54	Total O 54 54	0	0
62	1D	32	Total O 32 32	0	0
62	1E	23	Total O 23 23	0	0
62	1F	17	Total O 17 17	0	0
62	1G	1	Total O 1 1	0	0
62	1H	1	Total O 1 1	0	0
62	1N	4	Total O 4 4	0	0
62	1O	3	Total O 3 3	0	0
62	1P	15	Total O 15 15	0	0
62	1Q	8	Total O 8 8	0	0
62	1R	12	Total O 12 12	0	0
62	1S	3	Total O 3 3	0	0
62	1T	6	Total O 6 6	0	0
62	1U	8	Total O 8 8	0	0
62	1V	9	Total O 9 9	0	0
62	1W	9	Total O 9 9	0	0
62	1X	6	Total O 6 6	0	0
62	1Y	1	Total O 1 1	0	0
62	1Z	1	Total O 1 1	0	0
62	10	8	Total O 8 8	0	0
62	11	7	Total O 7 7	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
62	12	3	Total O 3 3	0	0
62	13	4	Total O 4 4	0	0
62	14	1	Total O 1 1	0	0
62	15	6	Total O 6 6	0	0
62	16	3	Total O 3 3	0	0
62	17	10	Total O 10 10	0	0
62	18	8	Total O 8 8	0	0
62	1a	252	Total O 252 252	0	0
62	1b	1	Total O 1 1	0	0
62	1d	1	Total O 1 1	0	0
62	1f	1	Total O 1 1	0	0
62	1l	3	Total O 3 3	0	0
62	1m	2	Total O 2 2	0	0
62	1o	1	Total O 1 1	0	0
62	1p	1	Total O 1 1	0	0
62	1q	2	Total O 2 2	0	0
62	1u	1	Total O 1 1	0	0
62	1v	3	Total O 3 3	0	0
62	1w	8	Total O 8 8	0	0
62	1x	7	Total O 7 7	0	0
62	1z	1	Total O 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
62	1y	1	Total O 1 1	0	0
62	2A	952	Total O 952 952	0	0
62	2B	21	Total O 21 21	0	0
62	2D	15	Total O 15 15	0	0
62	2E	5	Total O 5 5	0	0
62	2F	13	Total O 13 13	0	0
62	2O	3	Total O 3 3	0	0
62	2P	6	Total O 6 6	0	0
62	2Q	1	Total O 1 1	0	0
62	2R	4	Total O 4 4	0	0
62	2T	2	Total O 2 2	0	0
62	2U	2	Total O 2 2	0	0
62	2V	1	Total O 1 1	0	0
62	2W	1	Total O 1 1	0	0
62	2X	5	Total O 5 5	0	0
62	20	2	Total O 2 2	0	0
62	21	6	Total O 6 6	0	0
62	23	1	Total O 1 1	0	0
62	25	2	Total O 2 2	0	0
62	27	2	Total O 2 2	0	0
62	28	3	Total O 3 3	0	0

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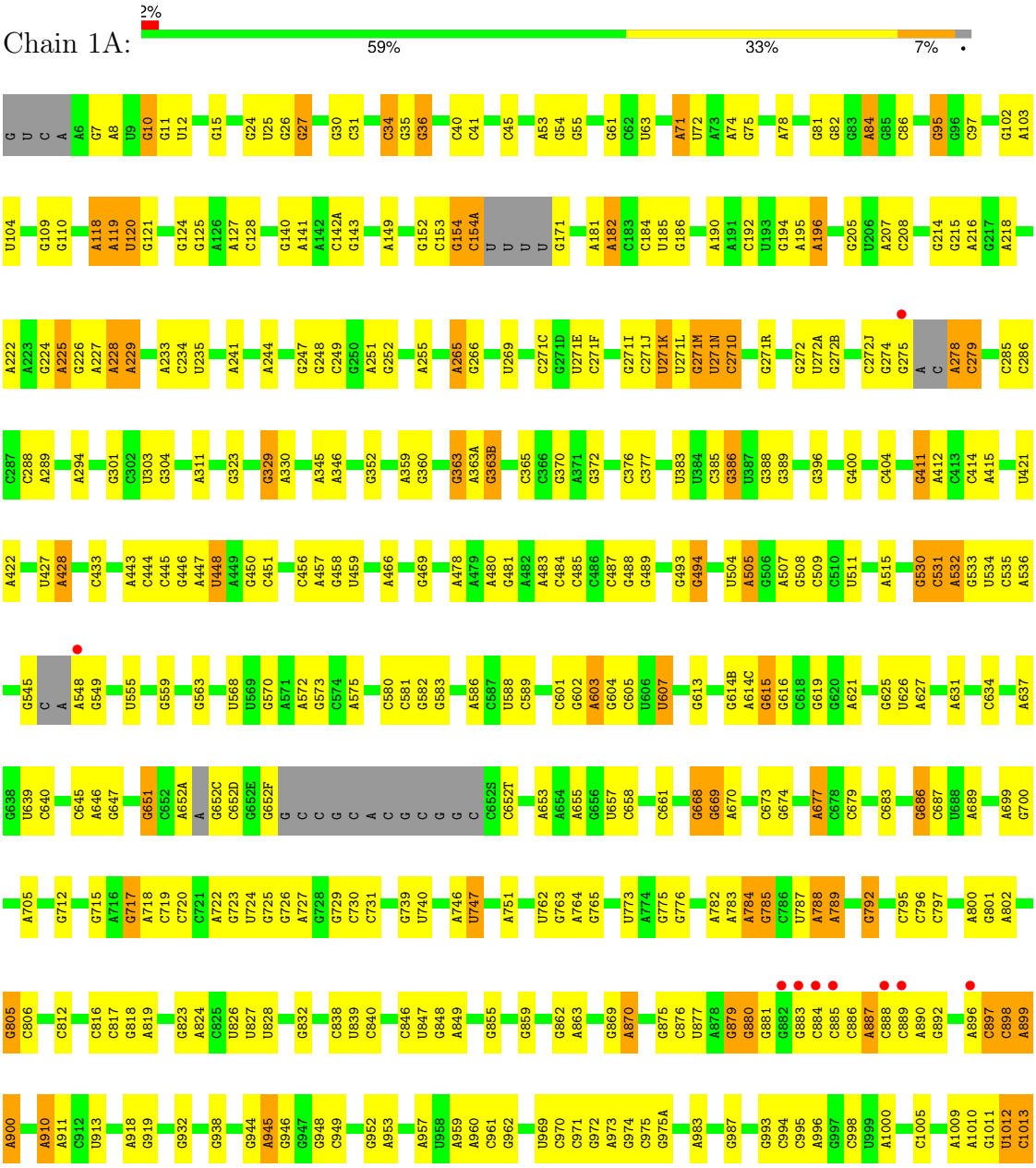
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
62	29	1	Total O 1 1	0	0
62	2a	150	Total O 150 150	0	0
62	2e	1	Total O 1 1	0	0
62	2j	1	Total O 1 1	0	0
62	2l	4	Total O 4 4	0	0
62	2q	1	Total O 1 1	0	0
62	2v	3	Total O 3 3	0	0
62	2w	3	Total O 3 3	0	0
62	2x	4	Total O 4 4	0	0
62	2z	1	Total O 1 1	0	0

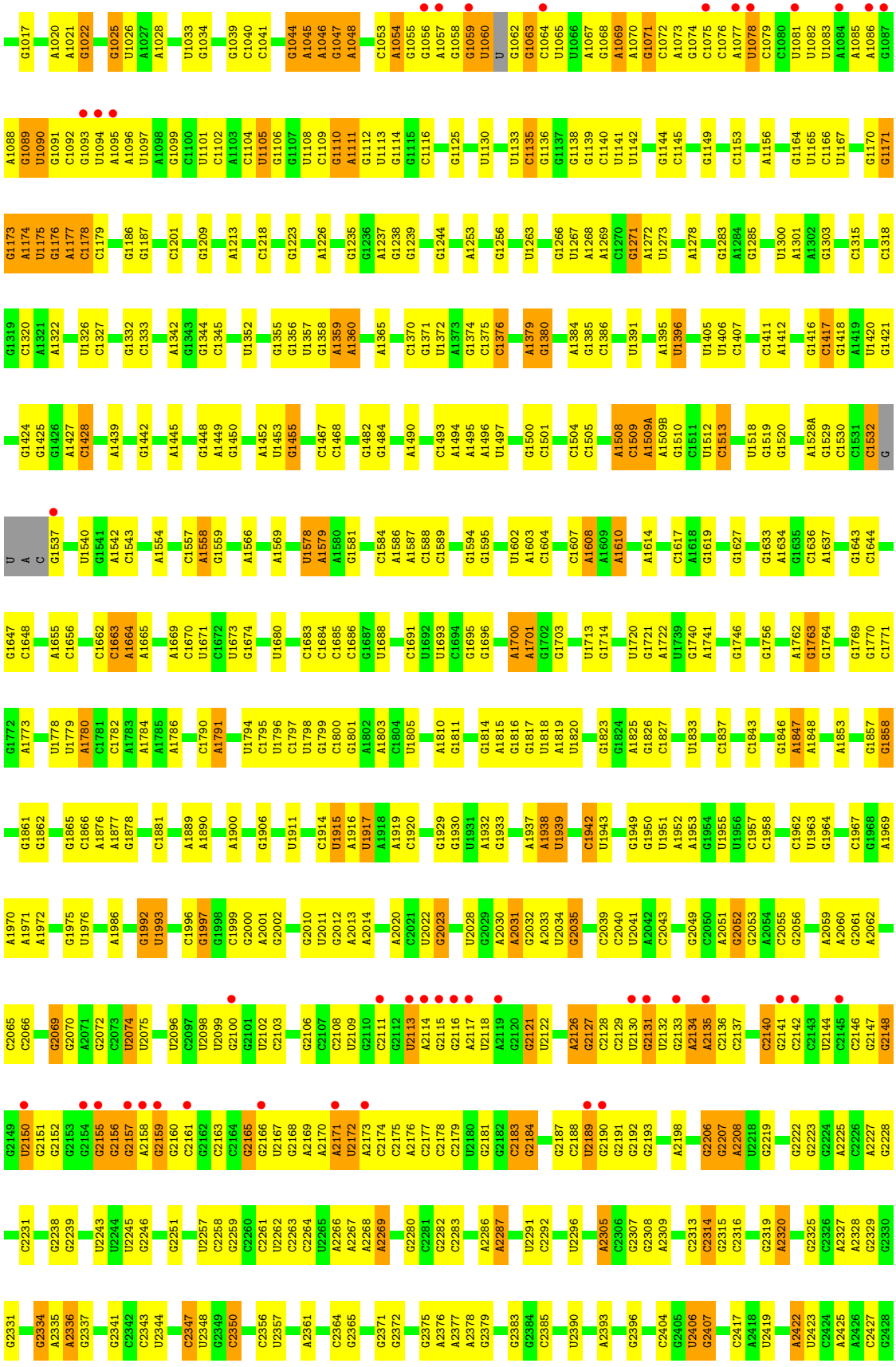
3 Residue-property plots (i)

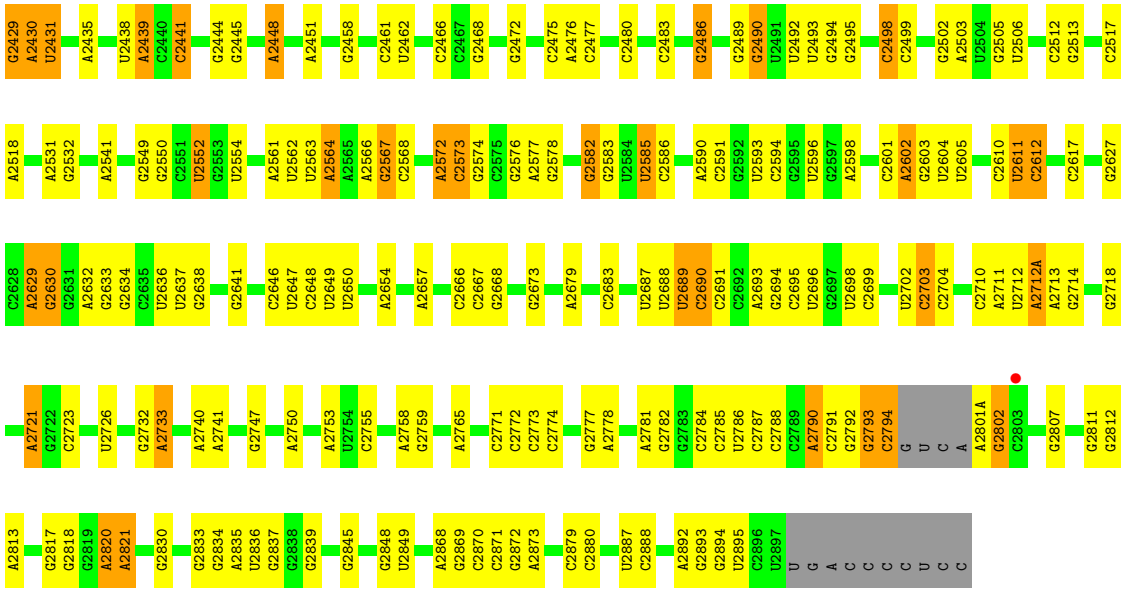
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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: 23S Ribosomal RNA

Chain 1A:

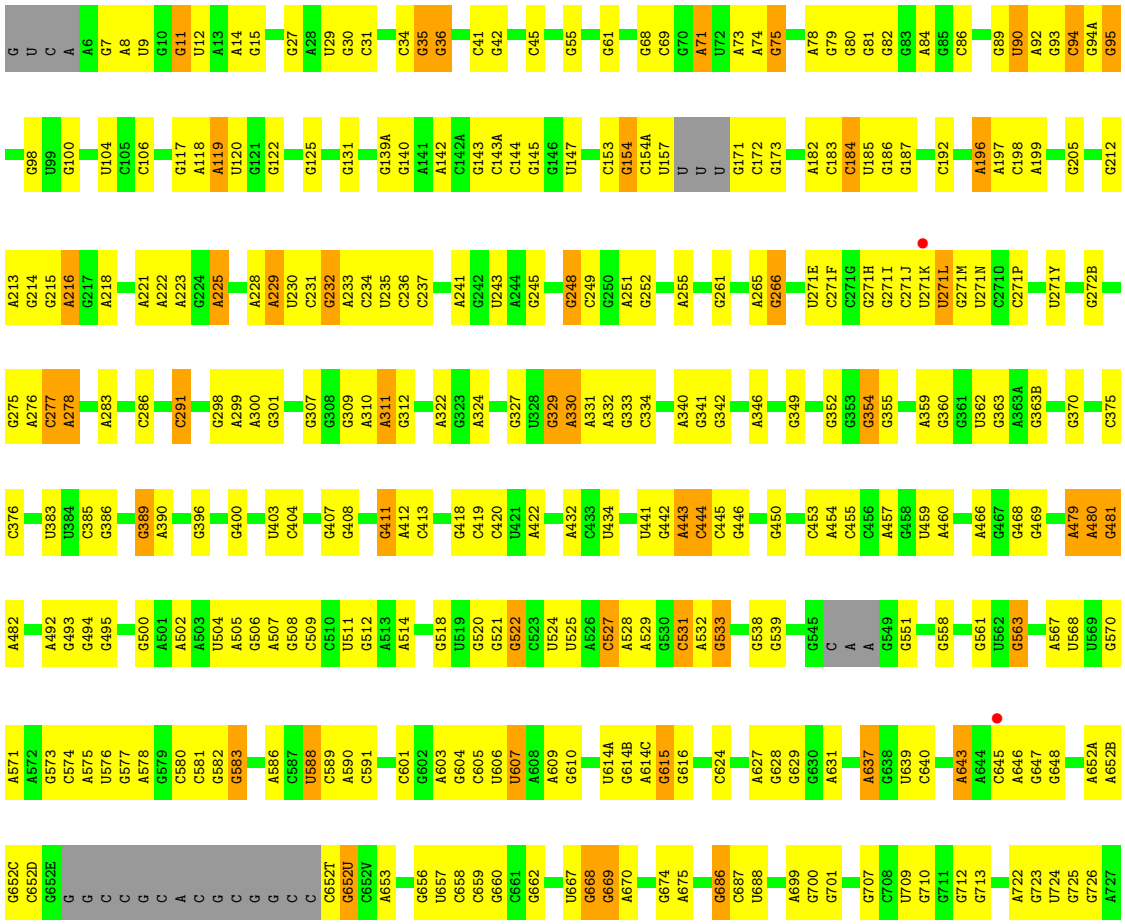


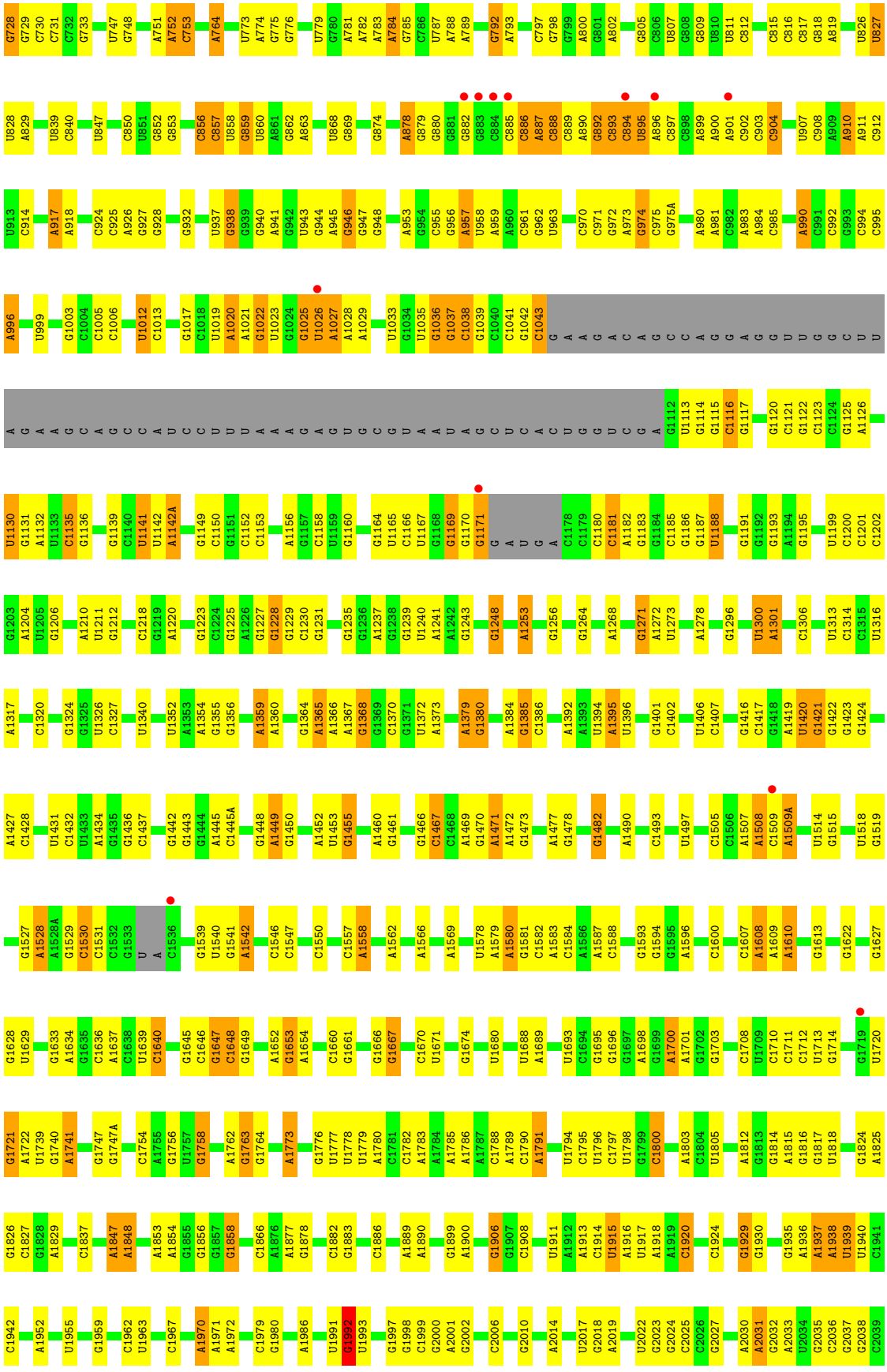


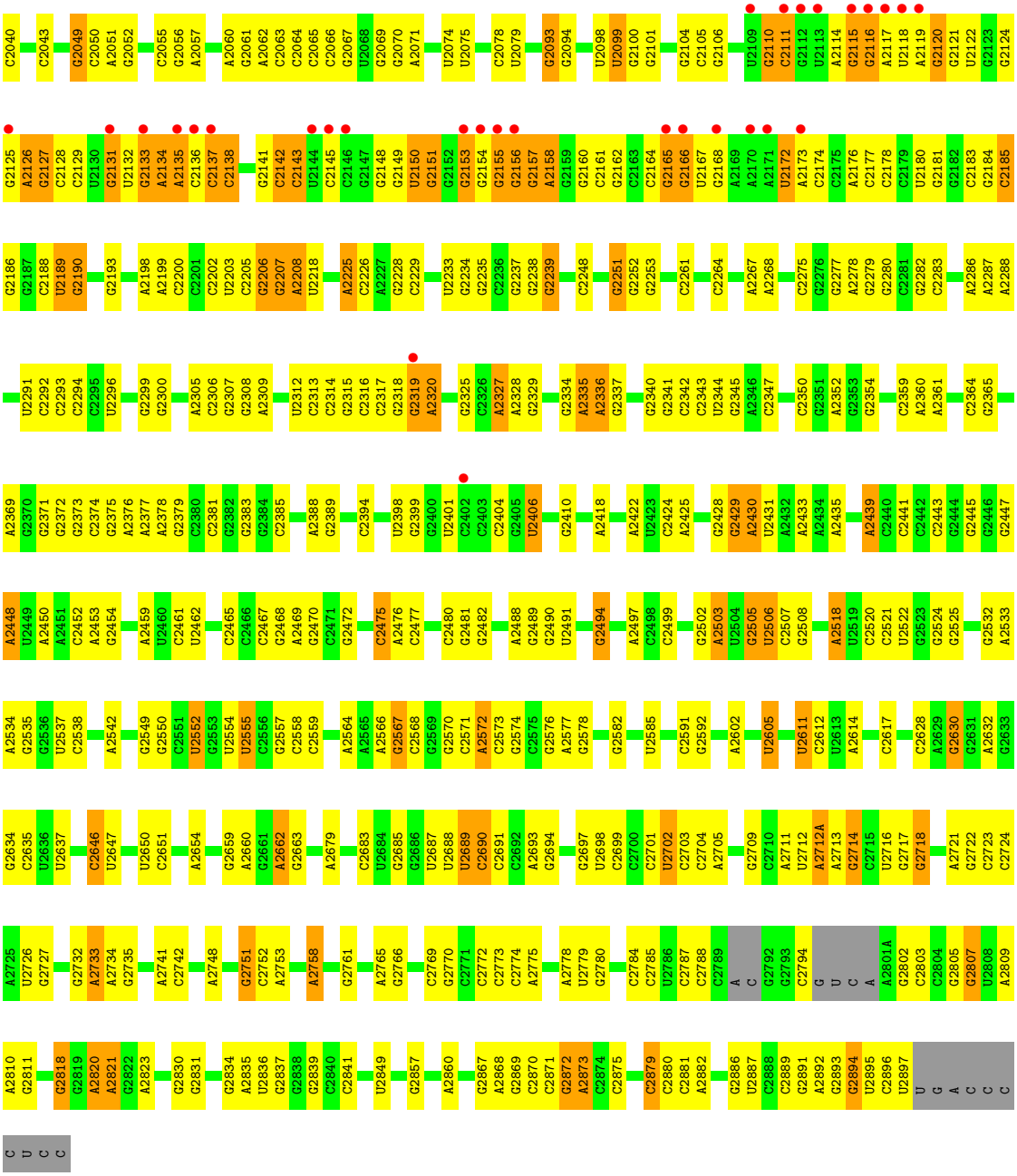


• Molecule 1: 23S Ribosomal RNA

Chain 2A:





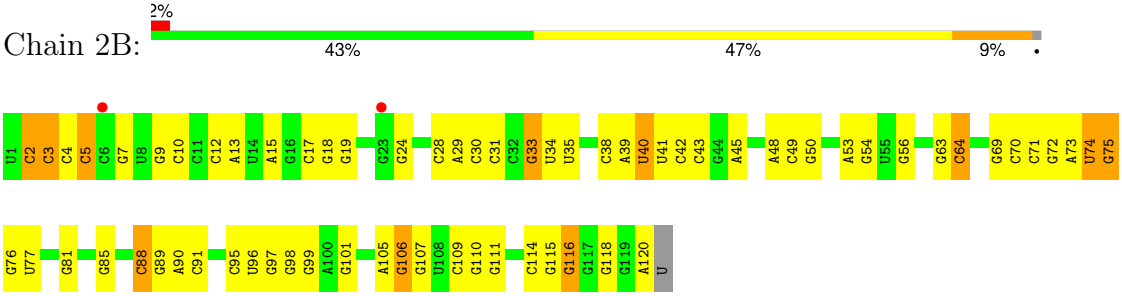


• Molecule 2: 5S Ribosomal RNA

Chain 1B:

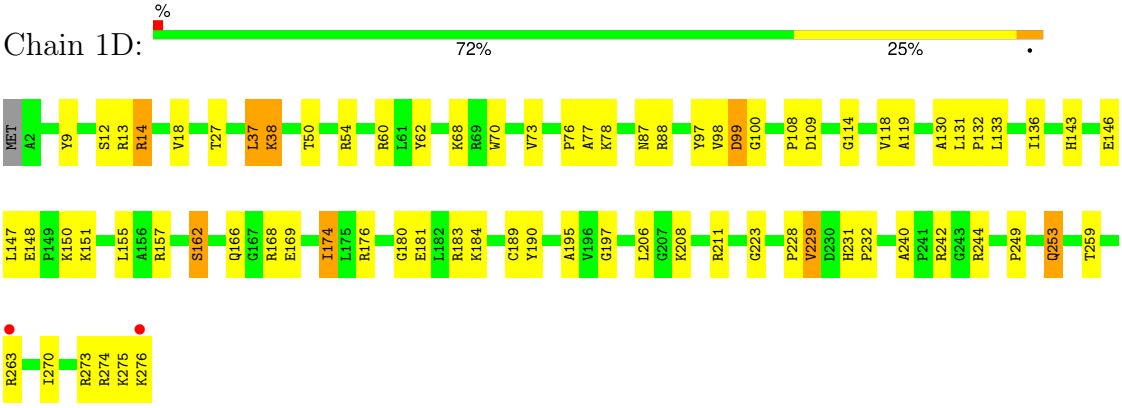
• Molecule 2: 5S Ribosomal RNA

Chain 2B:



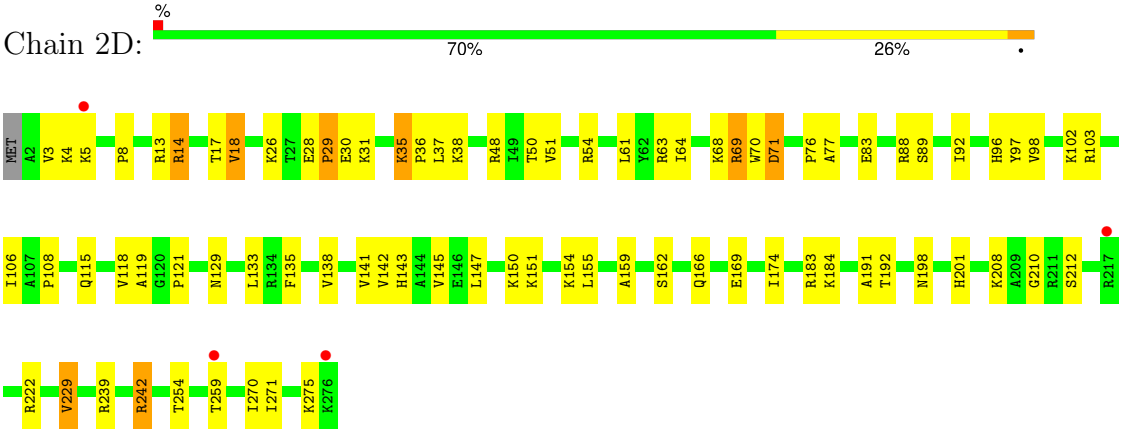
• Molecule 3: 50S ribosomal protein L2

Chain 1D:



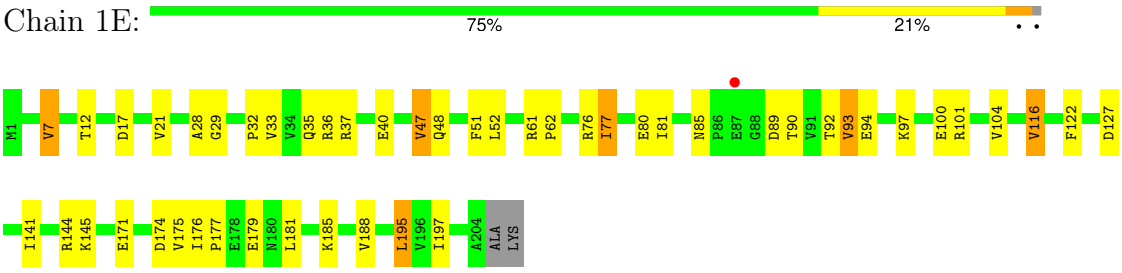
• Molecule 3: 50S ribosomal protein L2

Chain 2D:



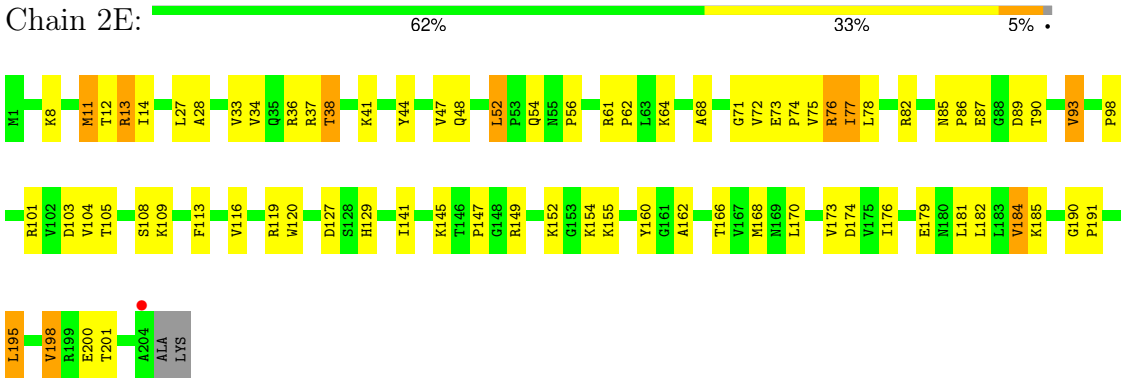
• Molecule 4: 50S ribosomal protein L3

Chain 1E:



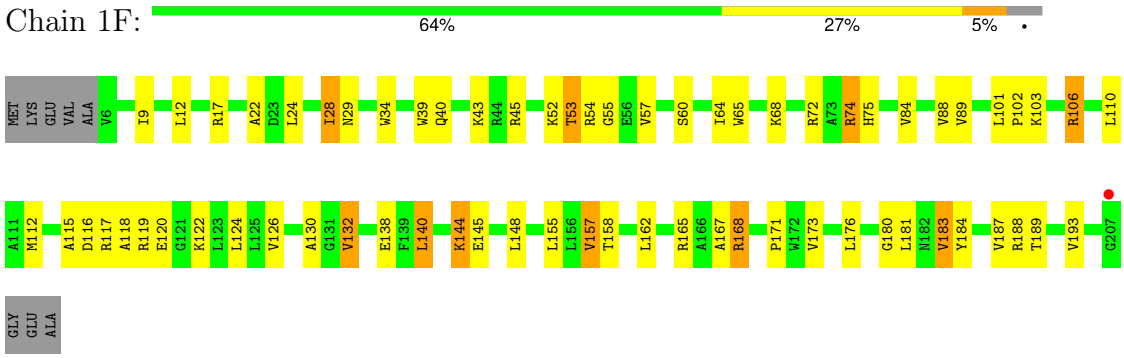
• Molecule 4: 50S ribosomal protein L3

Chain 2E:



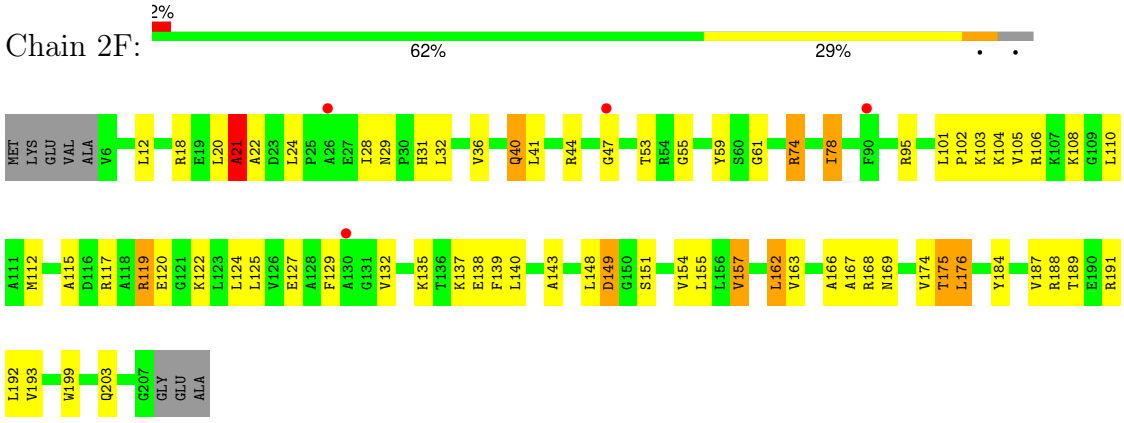
• Molecule 5: 50S ribosomal protein L4

Chain 1F:



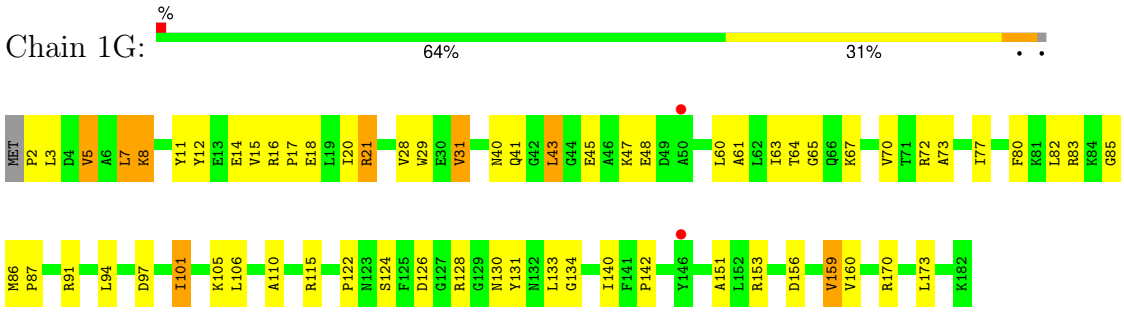
• Molecule 5: 50S ribosomal protein L4

Chain 2F:



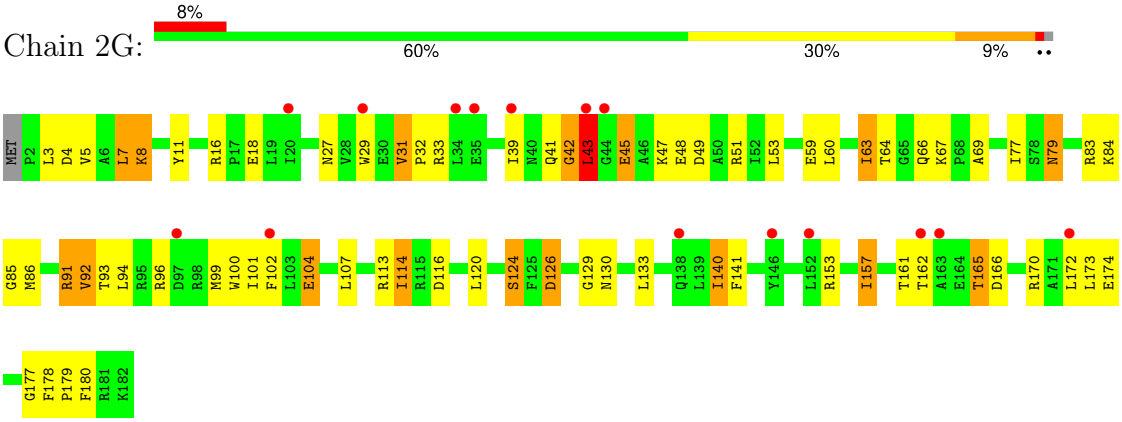
• Molecule 6: 50S ribosomal protein L5

Chain 1G:



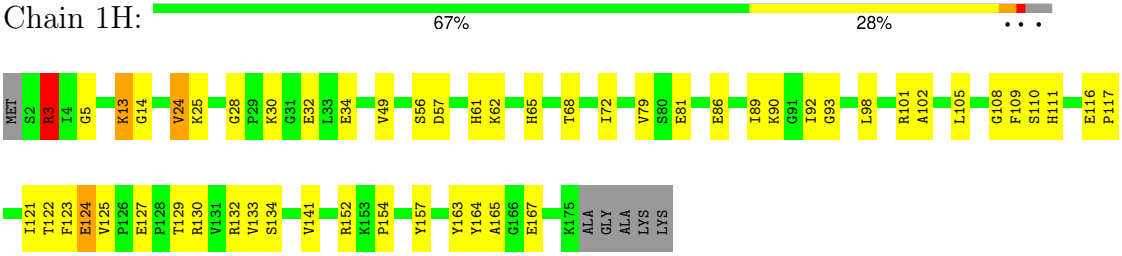
• Molecule 6: 50S ribosomal protein L5

Chain 2G:



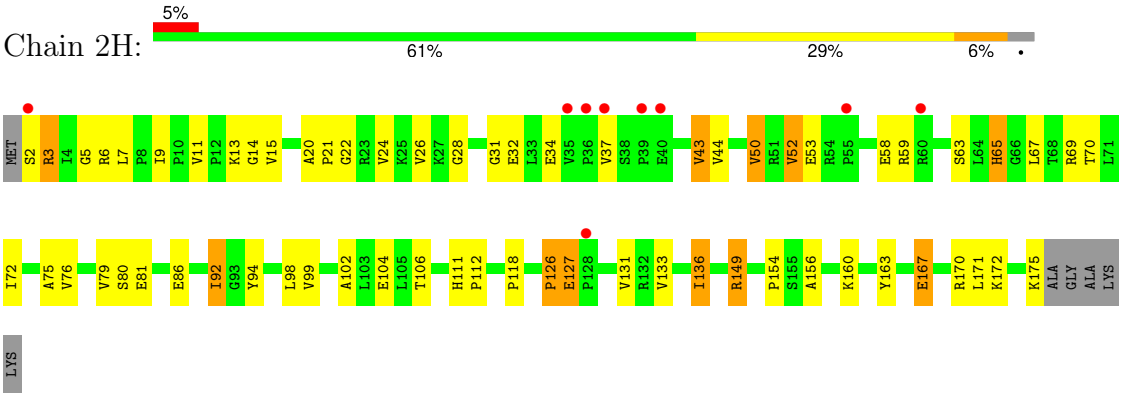
• Molecule 7: 50S ribosomal protein L6

Chain 1H:



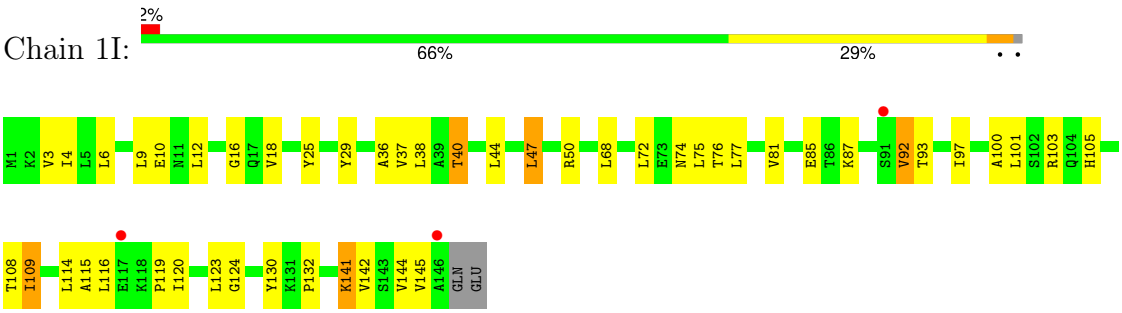
• Molecule 7: 50S ribosomal protein L6

Chain 2H:



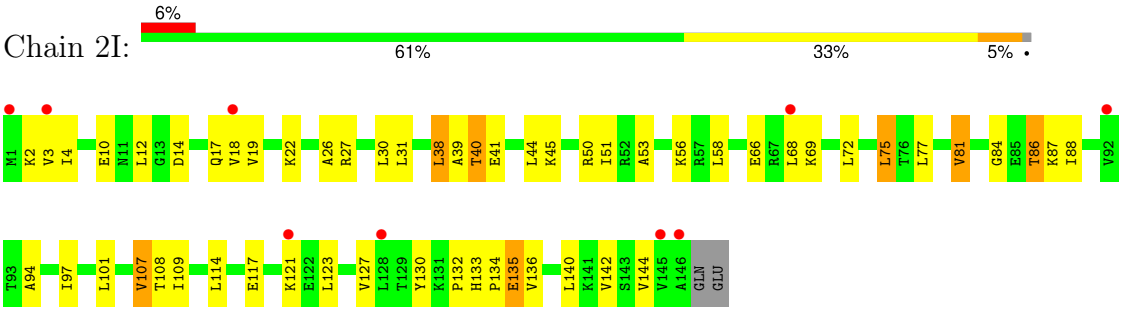
• Molecule 8: 50S ribosomal protein L9

Chain 1I:



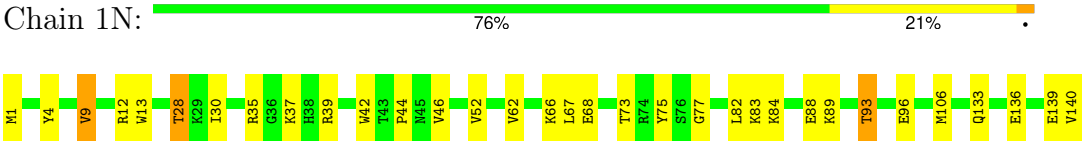
• Molecule 8: 50S ribosomal protein L9

Chain 2I:



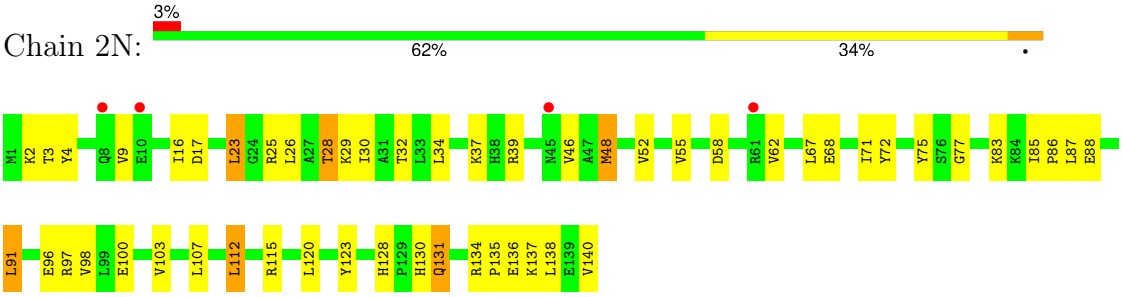
• Molecule 9: 50S ribosomal protein L13

Chain 1N:



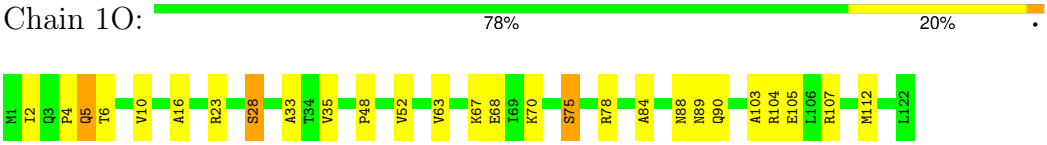
• Molecule 9: 50S ribosomal protein L13

Chain 2N:



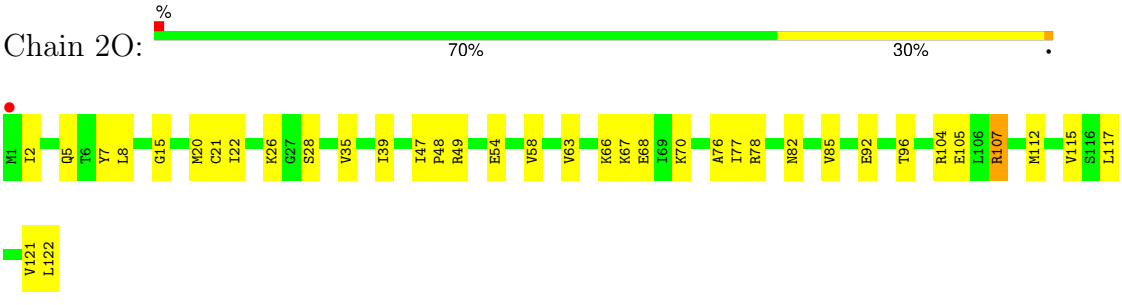
• Molecule 10: 50S ribosomal protein L14

Chain 1O:



• Molecule 10: 50S ribosomal protein L14

Chain 2O:

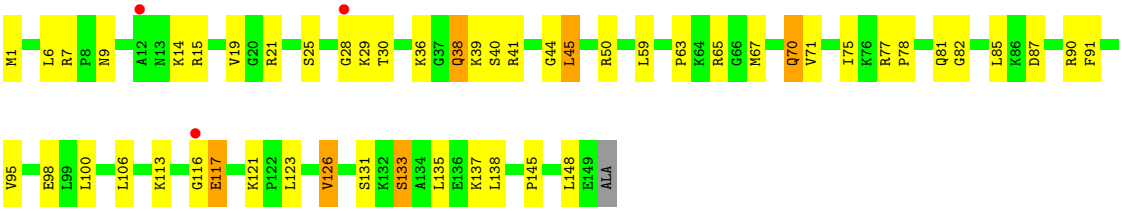


• Molecule 11: 50S ribosomal protein L15

Chain 1P:

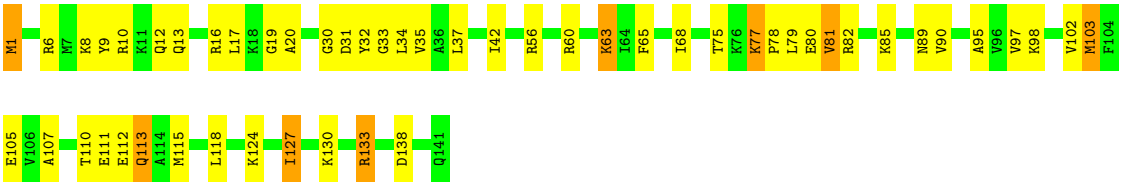
• Molecule 11: 50S ribosomal protein L15

Chain 2P:



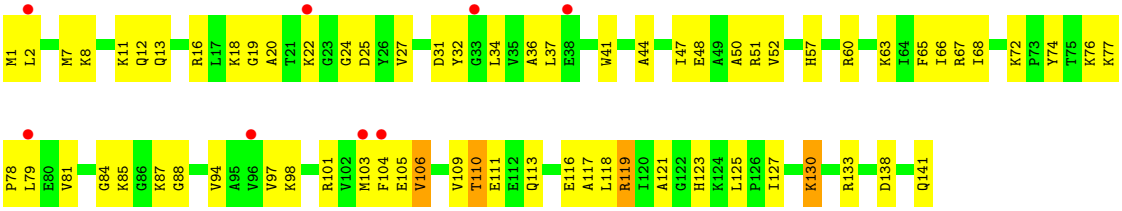
• Molecule 12: 50S ribosomal protein L16

Chain 1Q:



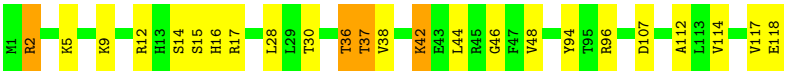
• Molecule 12: 50S ribosomal protein L16

Chain 2Q:



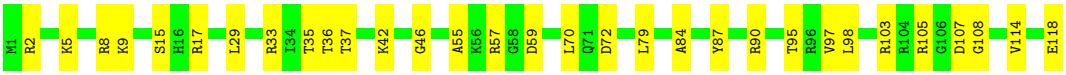
• Molecule 13: 50S ribosomal protein L17

Chain 1R:



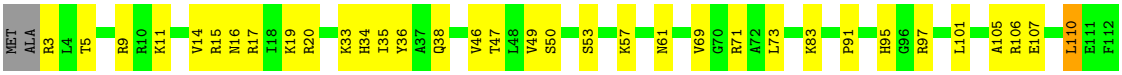
• Molecule 13: 50S ribosomal protein L17

Chain 2R:



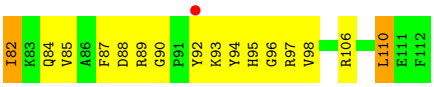
• Molecule 14: 50S ribosomal protein L18

Chain 1S:



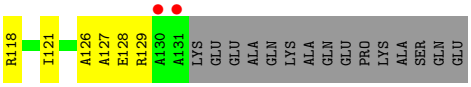
• Molecule 14: 50S ribosomal protein L18

Chain 2S:



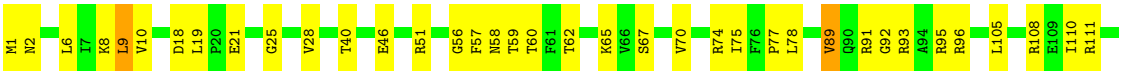
• Molecule 15: 50S ribosomal protein L19

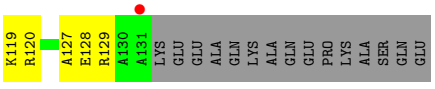
Chain 1T:



• Molecule 15: 50S ribosomal protein L19

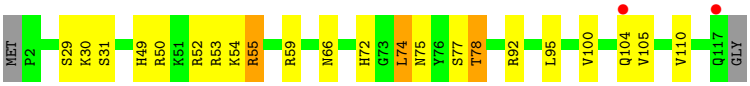
Chain 2T:





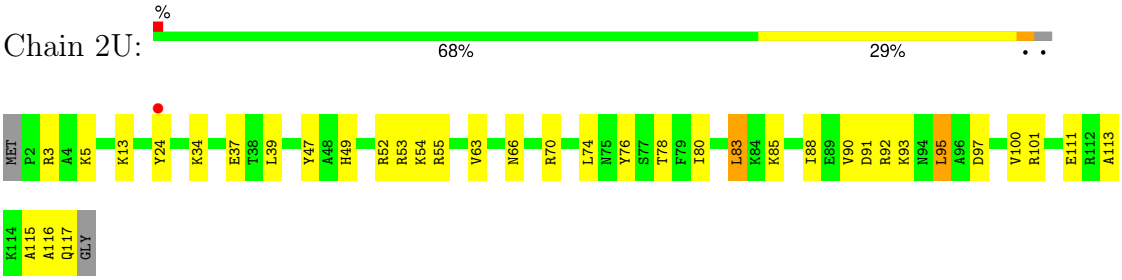
• Molecule 16: 50S ribosomal protein L20

Chain 1U:



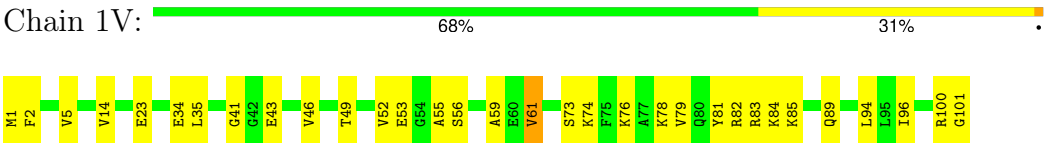
• Molecule 16: 50S ribosomal protein L20

Chain 2U:



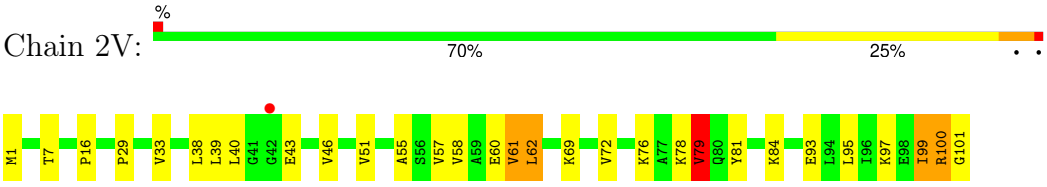
• Molecule 17: 50S ribosomal protein L21

Chain 1V:



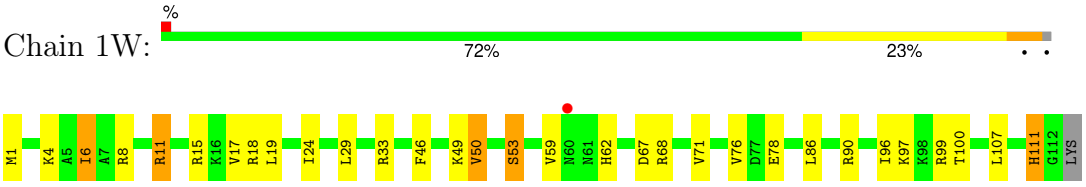
• Molecule 17: 50S ribosomal protein L21

Chain 2V:



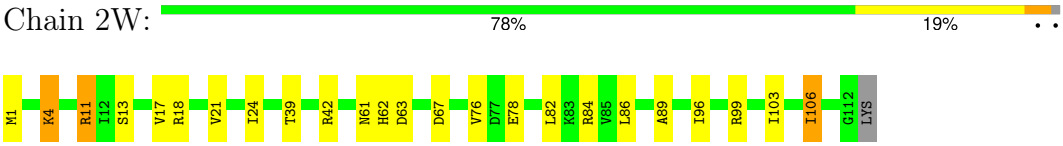
• Molecule 18: 50S ribosomal protein L22

Chain 1W:



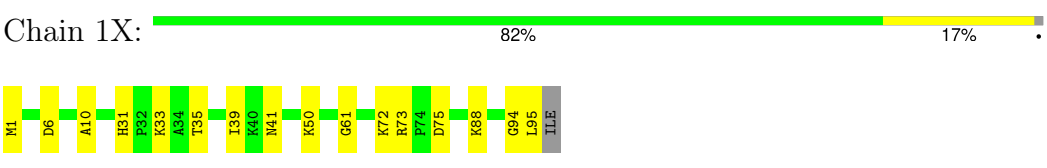
• Molecule 18: 50S ribosomal protein L22

Chain 2W:



• Molecule 19: 50S ribosomal protein L23

Chain 1X:

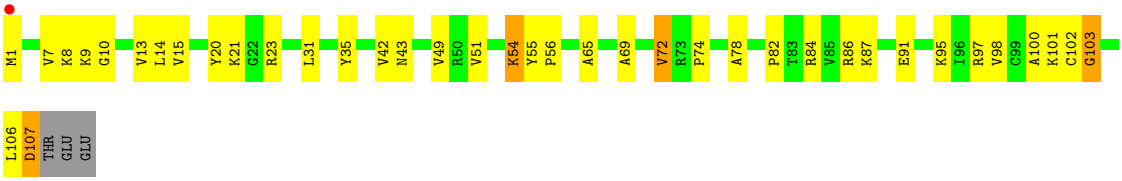


• Molecule 19: 50S ribosomal protein L23

Chain 2X:

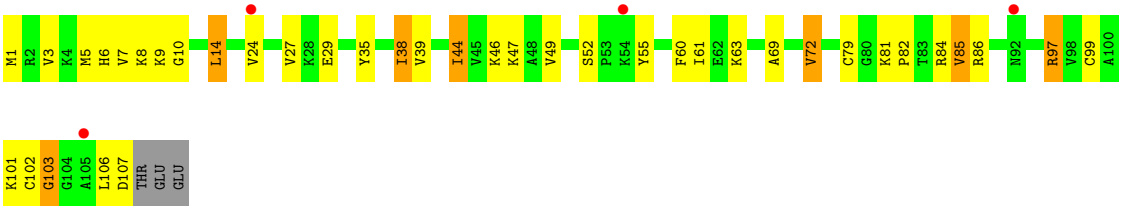
• Molecule 20: 50S ribosomal protein L24

Chain 1Y:



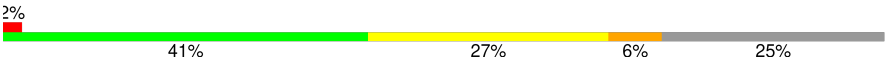
• Molecule 20: 50S ribosomal protein L24

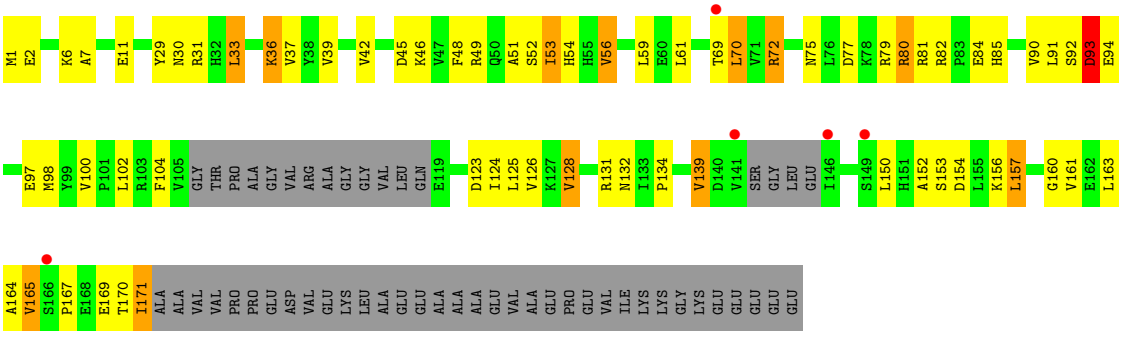
Chain 2Y:



• Molecule 21: 50S ribosomal protein L25

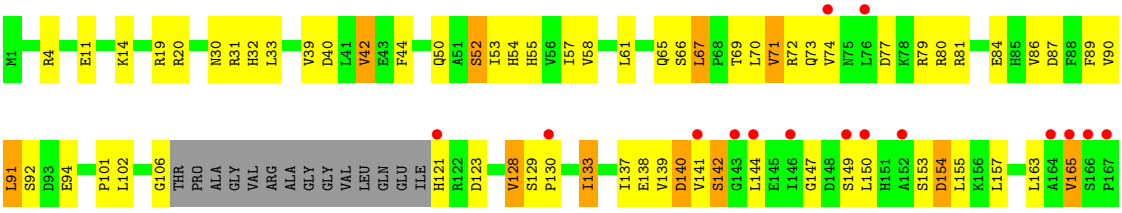
Chain 1Z:

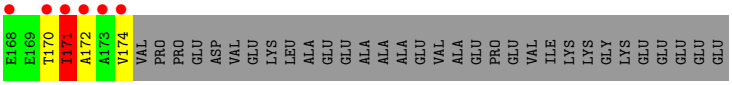




• Molecule 21: 50S ribosomal protein L25

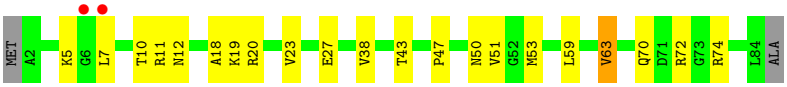
Chain 2Z:





• Molecule 22: 50S ribosomal protein L27

Chain 10:

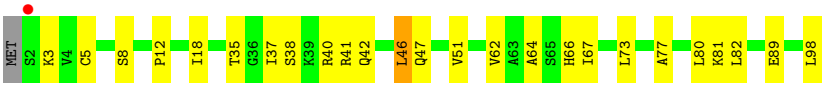


• Molecule 22: 50S ribosomal protein L27

Chain 20:

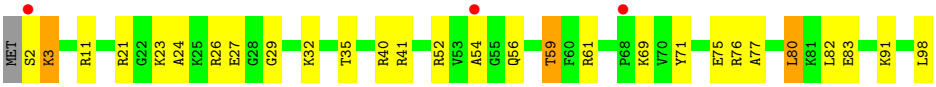
• Molecule 23: 50S ribosomal protein L28

Chain 11:



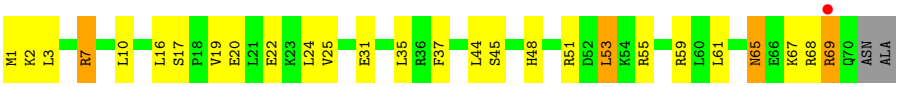
• Molecule 23: 50S ribosomal protein L28

Chain 21:



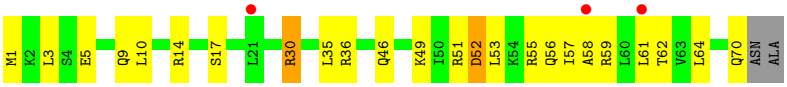
• Molecule 24: 50S ribosomal protein L29

Chain 12:



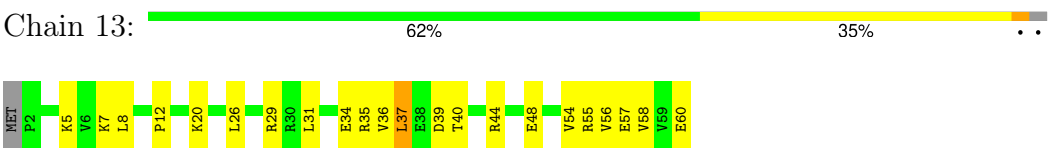
• Molecule 24: 50S ribosomal protein L29

Chain 22:



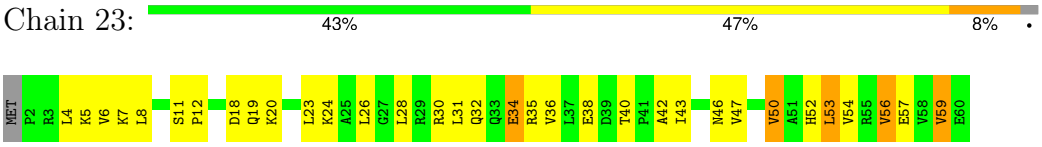
• Molecule 25: 50S ribosomal protein L30

Chain 13:



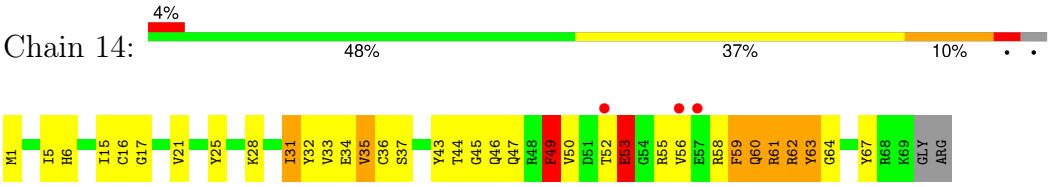
• Molecule 25: 50S ribosomal protein L30

Chain 23:



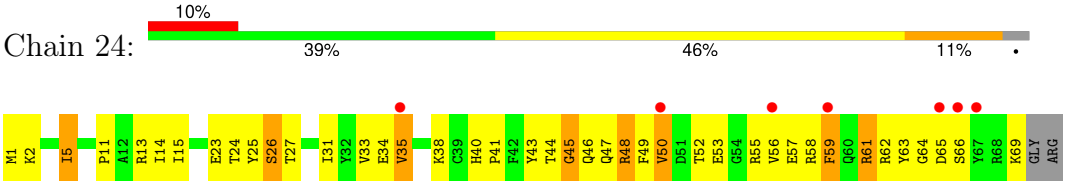
• Molecule 26: 50S ribosomal protein L31

Chain 14:



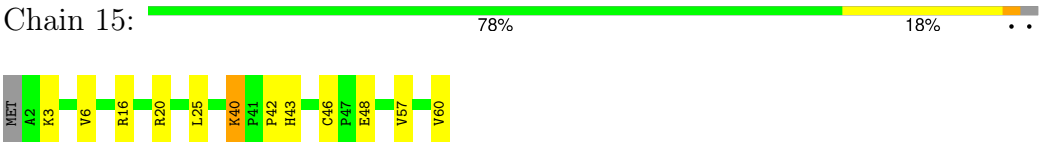
• Molecule 26: 50S ribosomal protein L31

Chain 24:



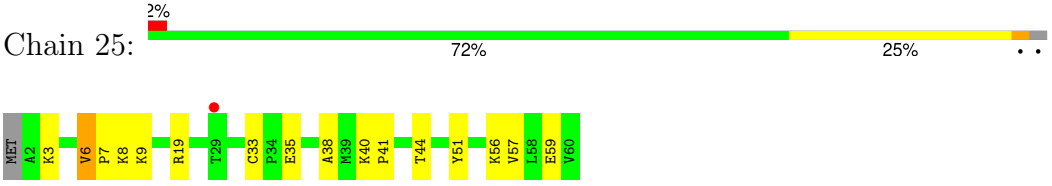
• Molecule 27: 50S ribosomal protein L32

Chain 15:



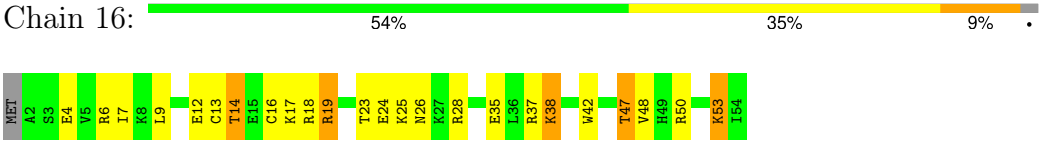
• Molecule 27: 50S ribosomal protein L32

Chain 25:



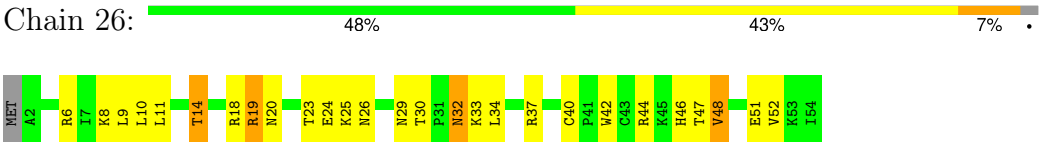
• Molecule 28: 50S ribosomal protein L33

Chain 16:



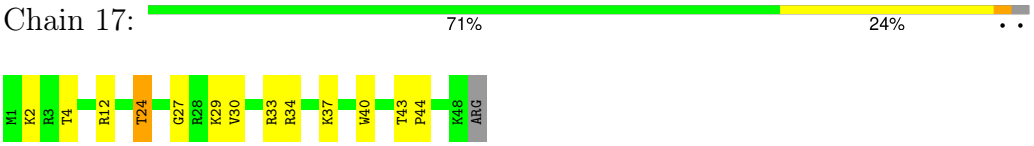
• Molecule 28: 50S ribosomal protein L33

Chain 26:



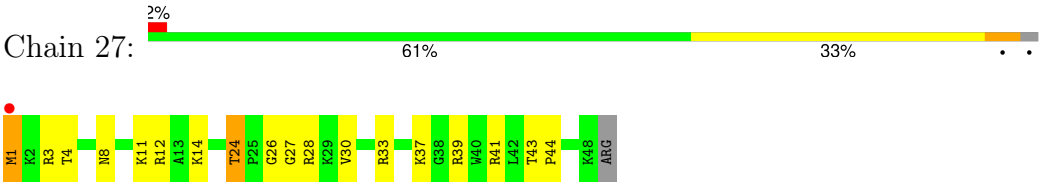
• Molecule 29: 50S ribosomal protein L34

Chain 17:



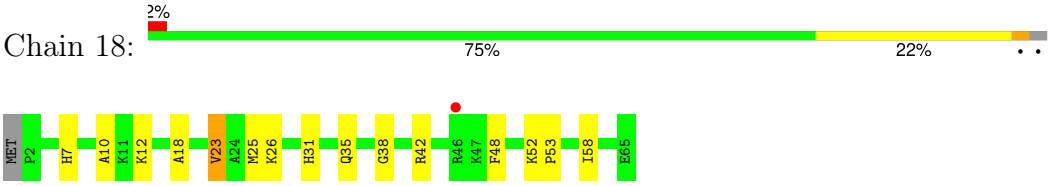
• Molecule 29: 50S ribosomal protein L34

Chain 27:



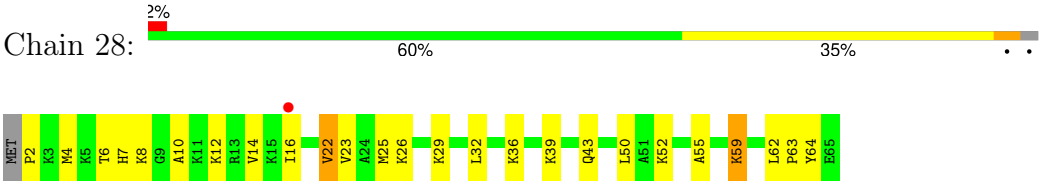
• Molecule 30: 50S ribosomal protein L35

Chain 18:



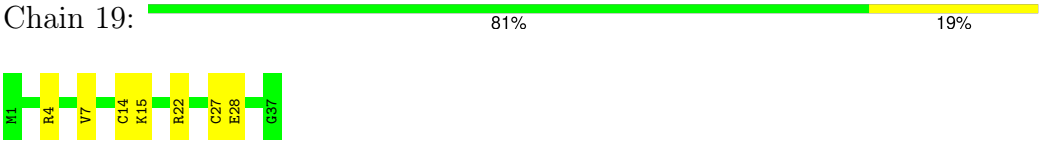
• Molecule 30: 50S ribosomal protein L35

Chain 28:



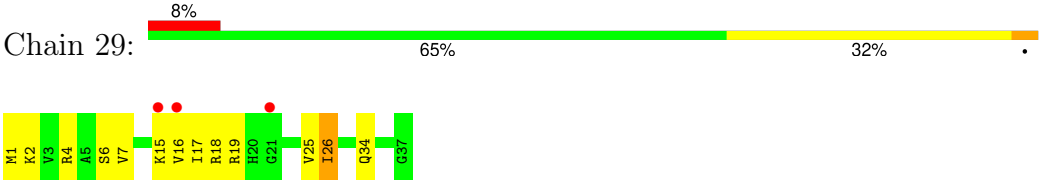
• Molecule 31: 50S ribosomal protein L36

Chain 19:



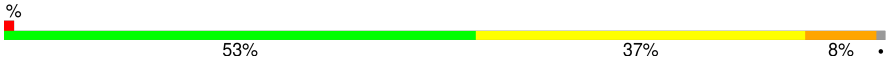
• Molecule 31: 50S ribosomal protein L36

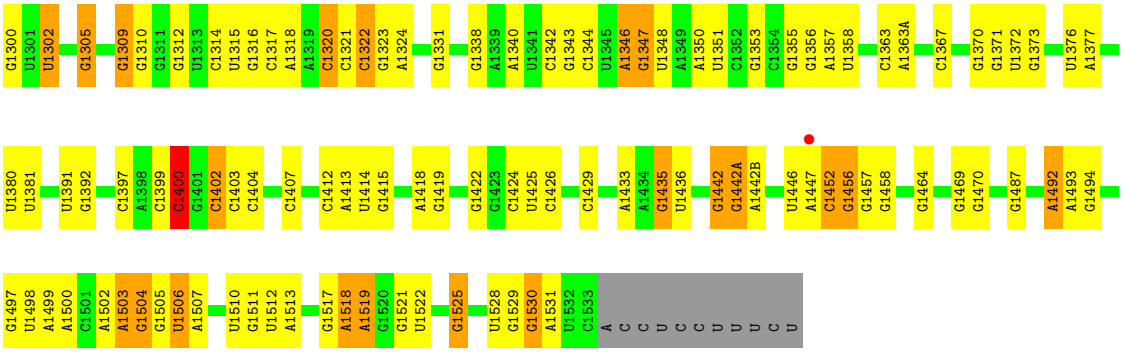
Chain 29:



• Molecule 32: 16S Ribosomal RNA

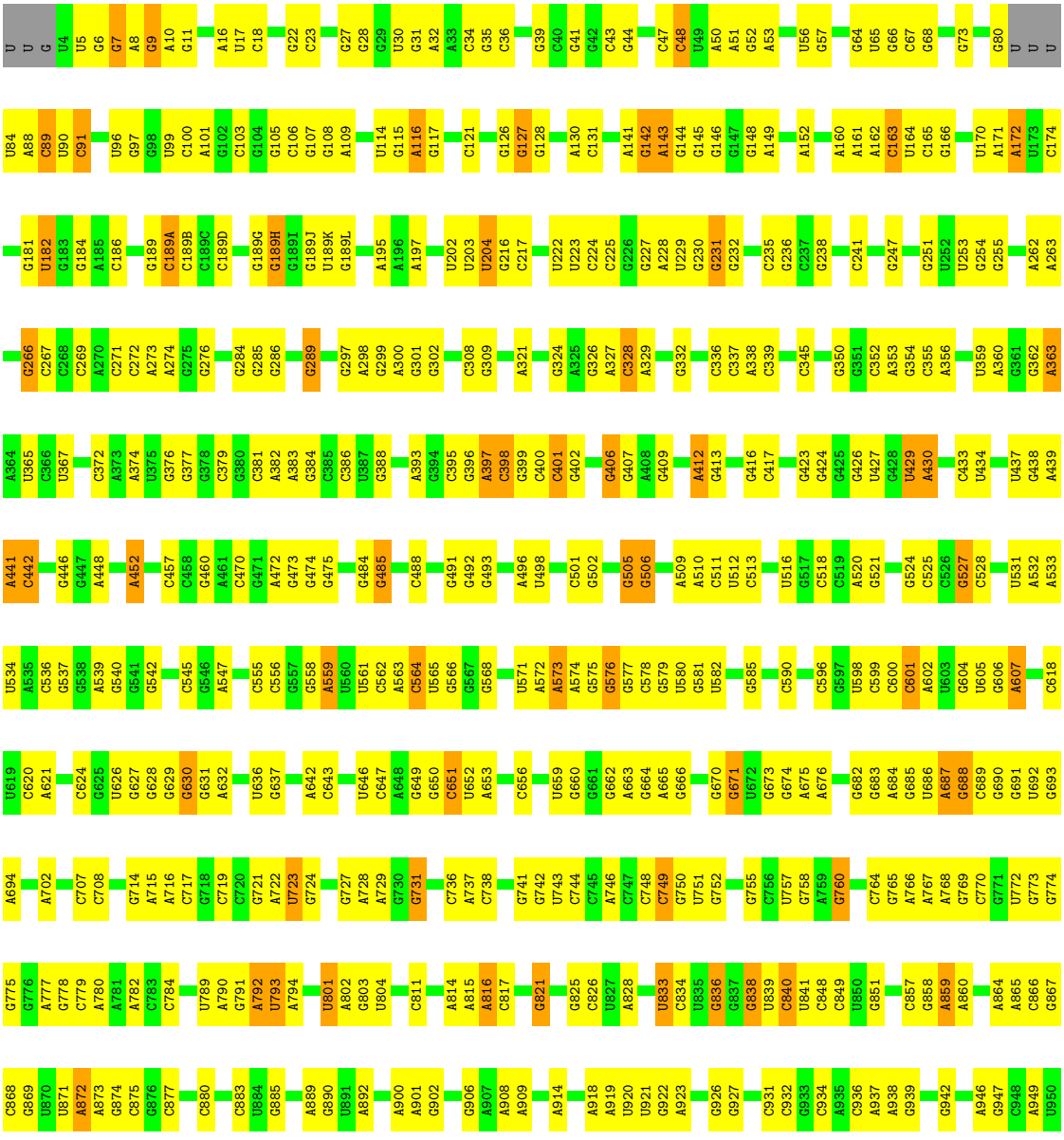
Chain 1a:

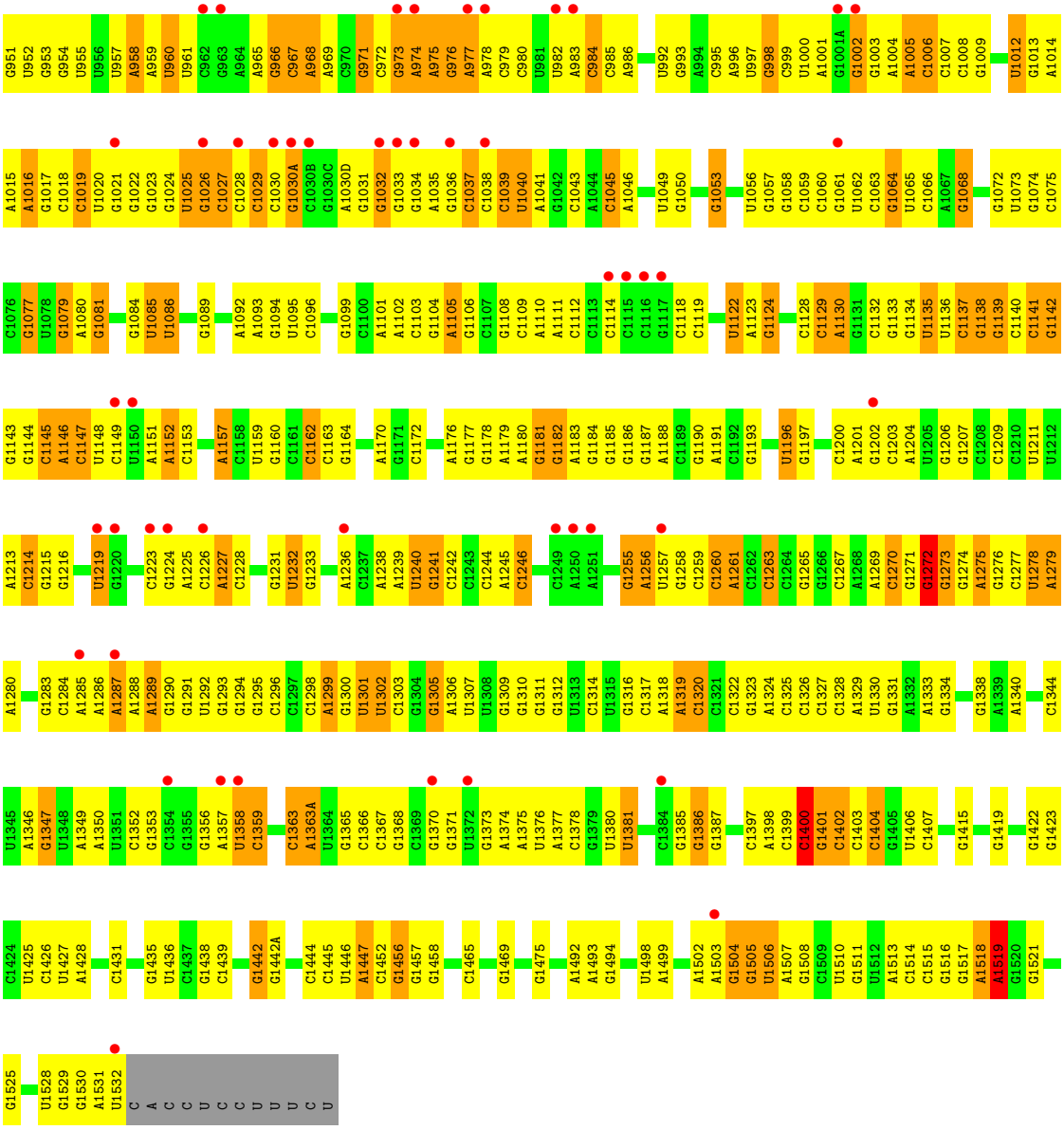




• Molecule 32: 16S Ribosomal RNA

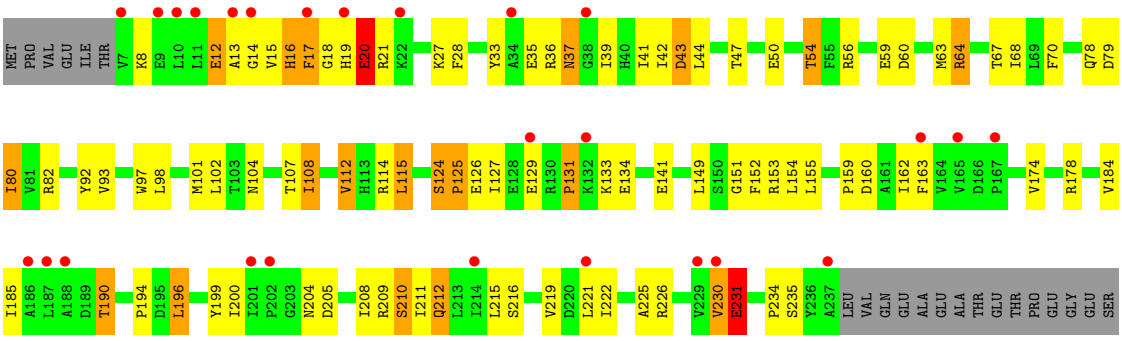
Chain 2a:





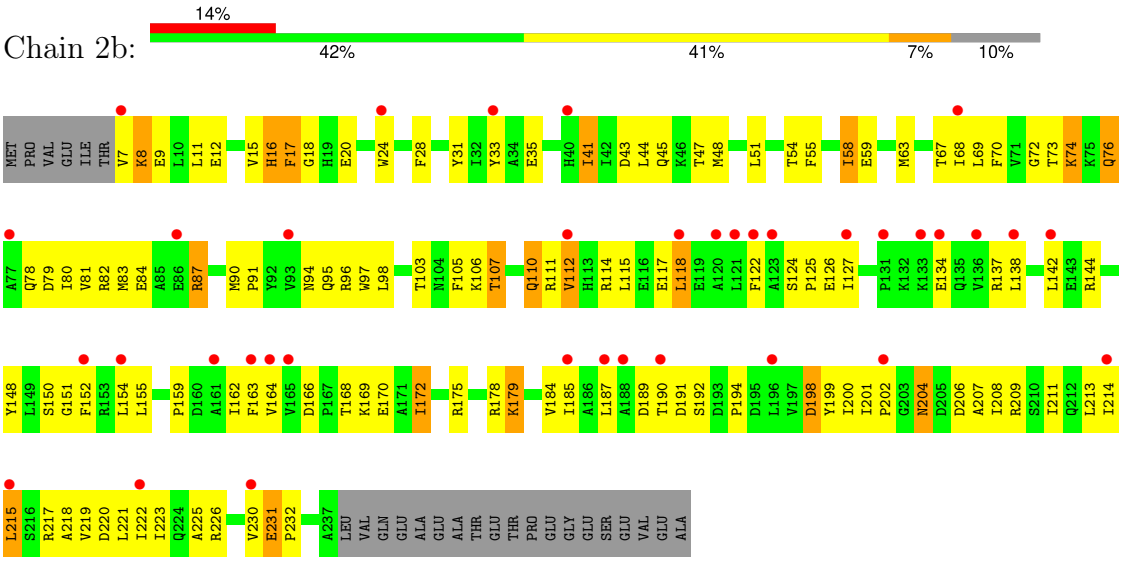
• Molecule 33: 30S ribosomal protein S2

Chain 1b:



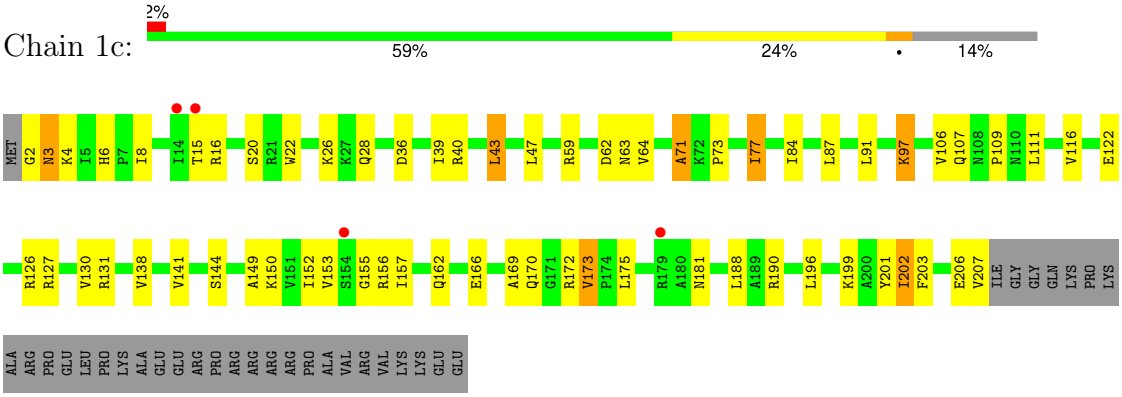
• Molecule 33: 30S ribosomal protein S2

Chain 2b:



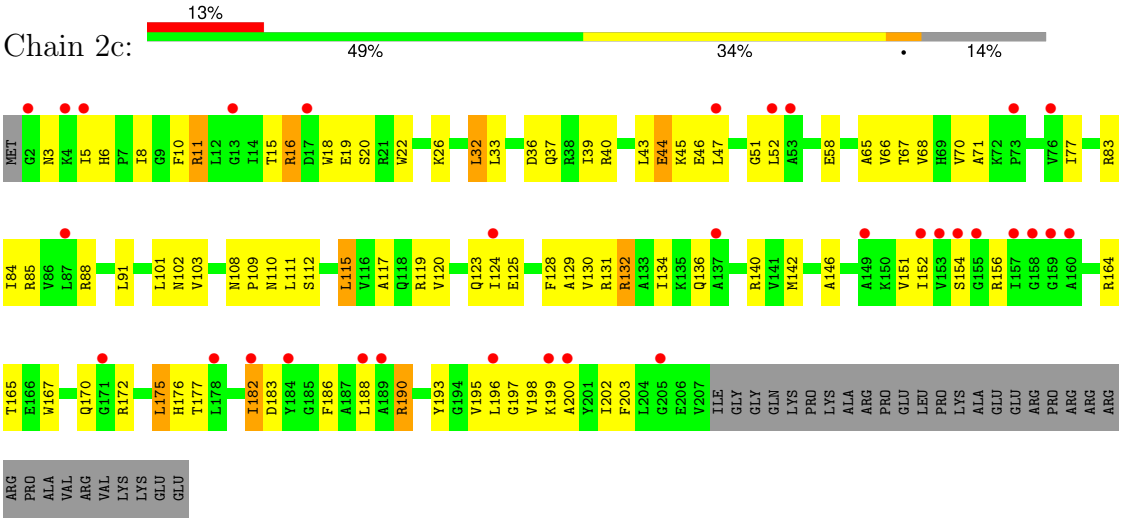
• Molecule 34: 30S ribosomal protein S3

Chain 1c:



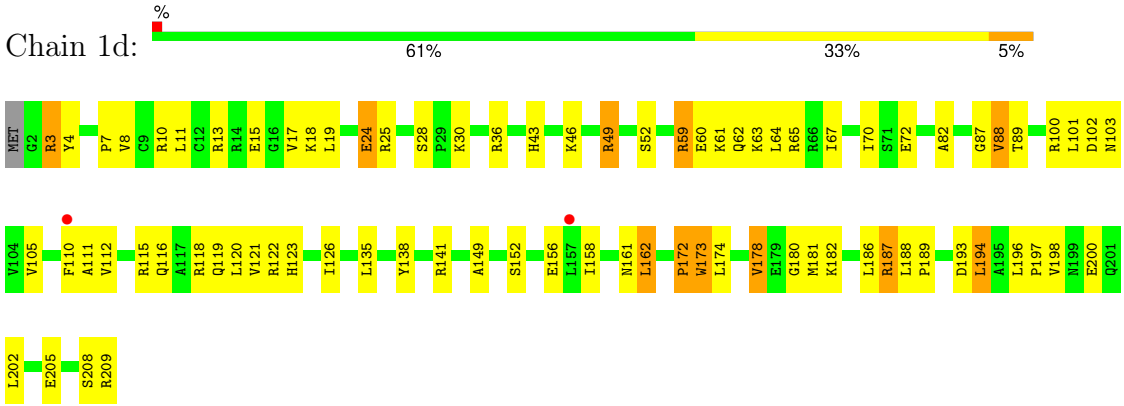
• Molecule 34: 30S ribosomal protein S3

Chain 2c:



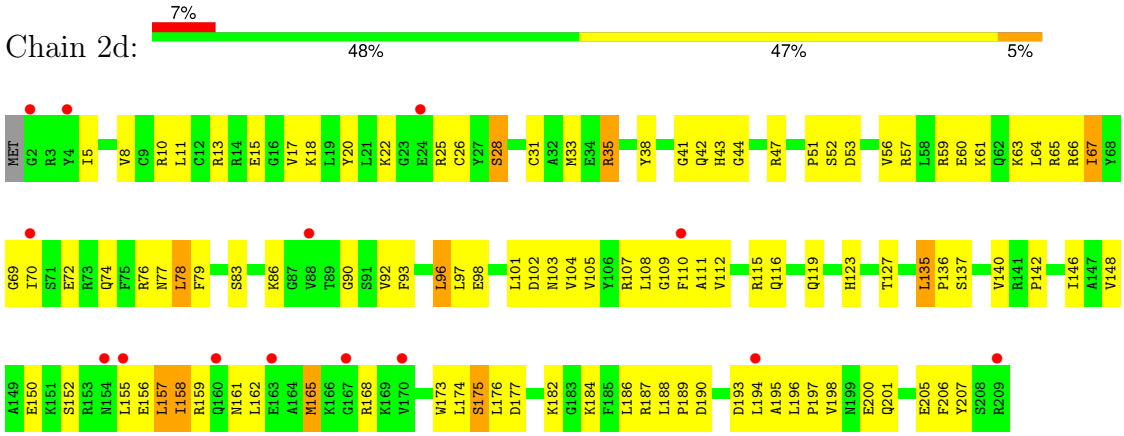
• Molecule 35: 30S ribosomal protein S4

Chain 1d:



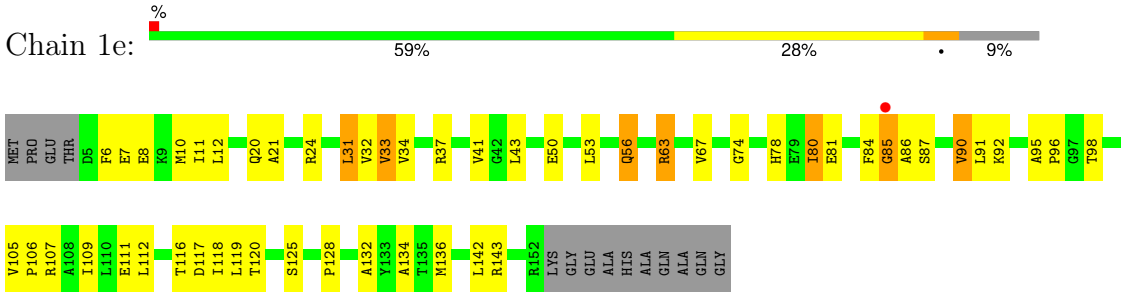
• Molecule 35: 30S ribosomal protein S4

Chain 2d:



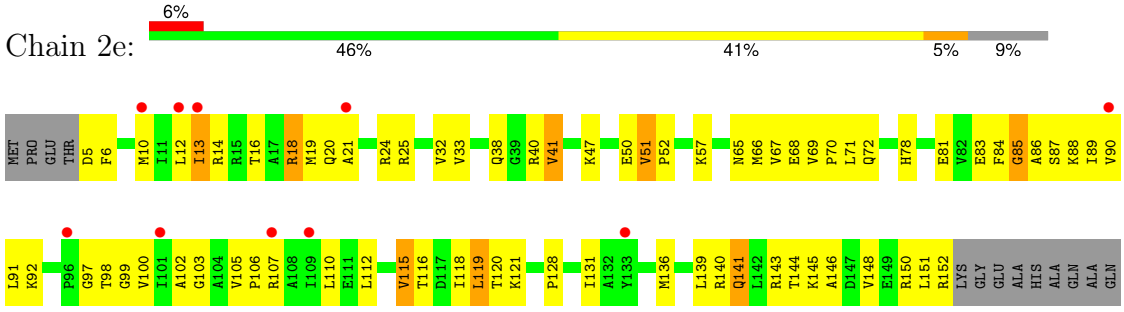
• Molecule 36: 30S ribosomal protein S5

Chain 1e:



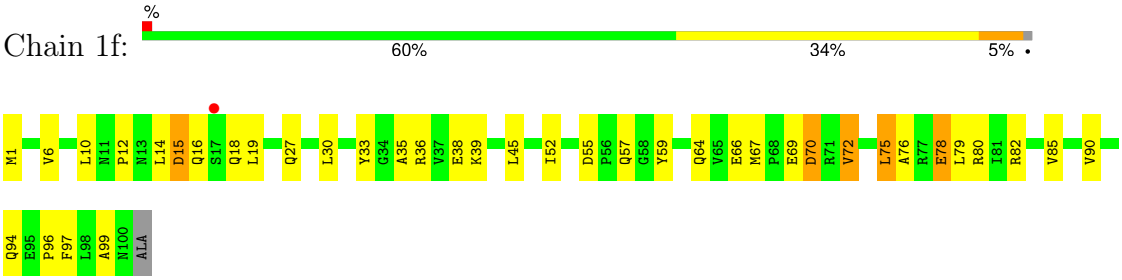
• Molecule 36: 30S ribosomal protein S5

Chain 2e:



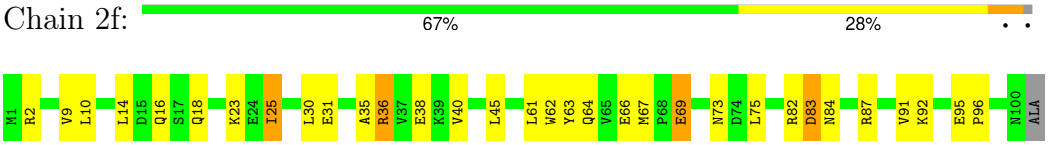
• Molecule 37: 30S ribosomal protein S6

Chain 1f:



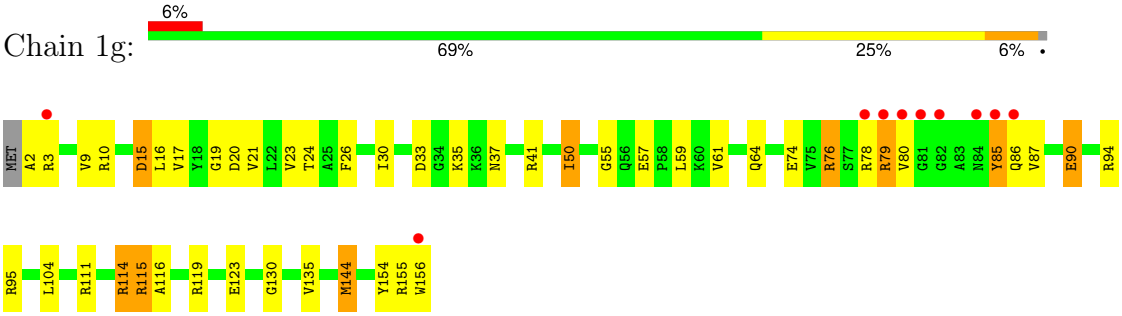
• Molecule 37: 30S ribosomal protein S6

Chain 2f:



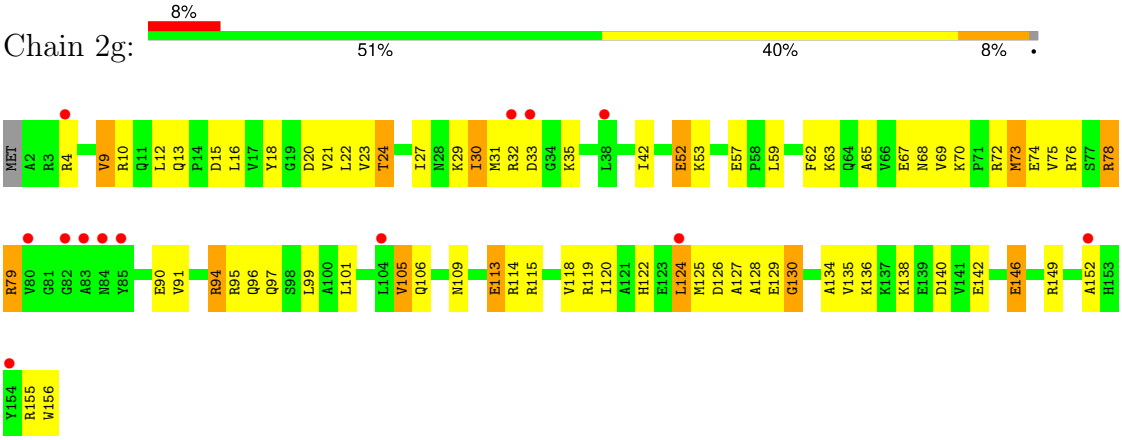
• Molecule 38: 30S ribosomal protein S7

Chain 1g:



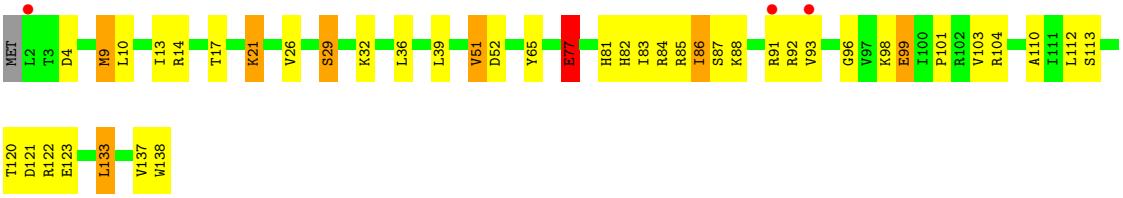
• Molecule 38: 30S ribosomal protein S7

Chain 2g:



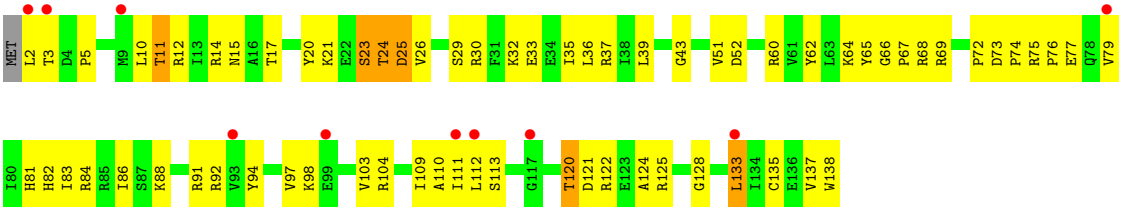
• Molecule 39: 30S ribosomal protein S8

Chain 1h:



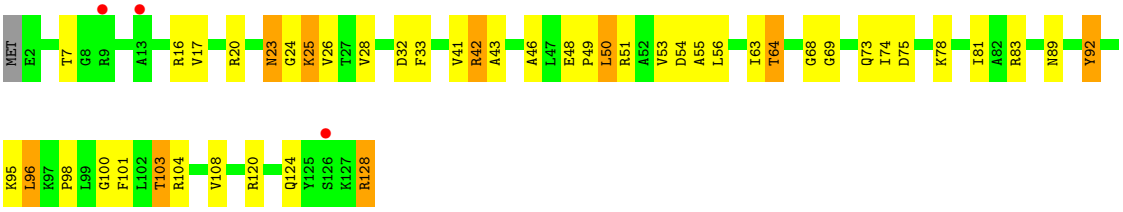
• Molecule 39: 30S ribosomal protein S8

Chain 2h:



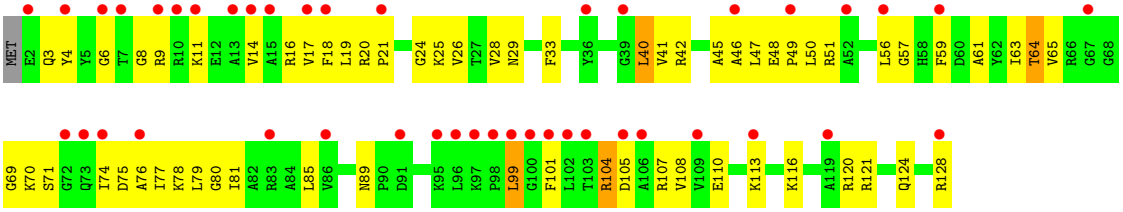
• Molecule 40: 30S ribosomal protein S9

Chain 1i:



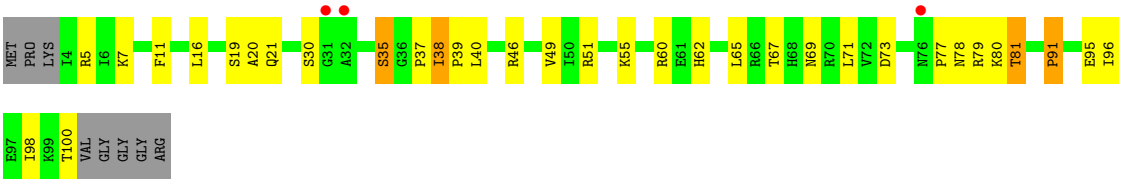
• Molecule 40: 30S ribosomal protein S9

Chain 2i:



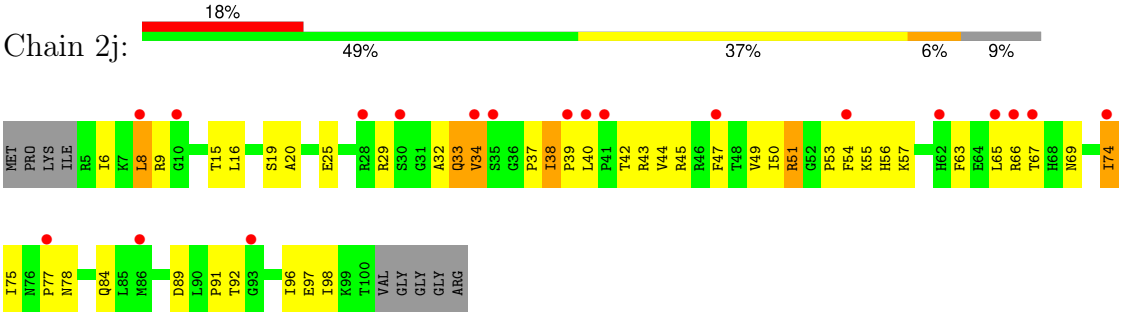
• Molecule 41: 30S ribosomal protein S10

Chain 1j:



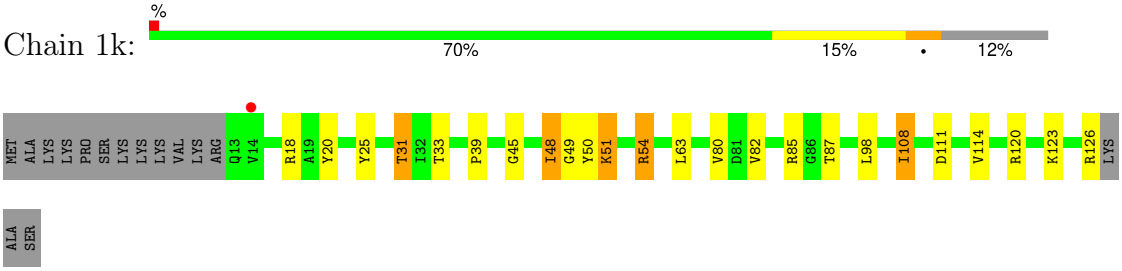
• Molecule 41: 30S ribosomal protein S10

Chain 2j:



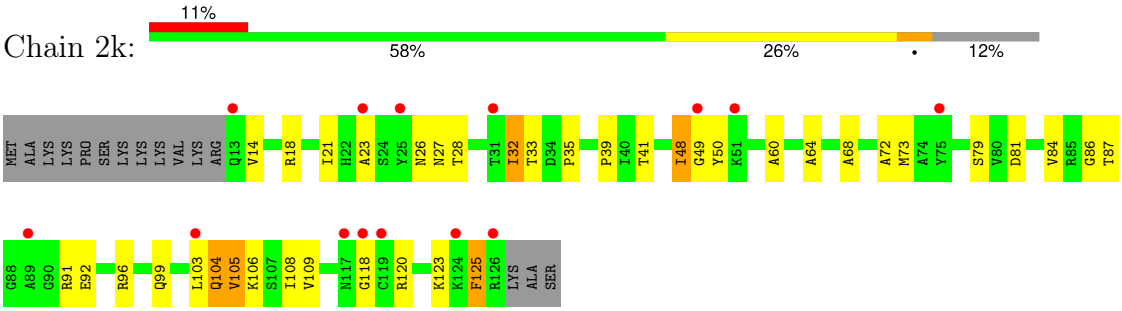
• Molecule 42: 30S ribosomal protein S11

Chain 1k:



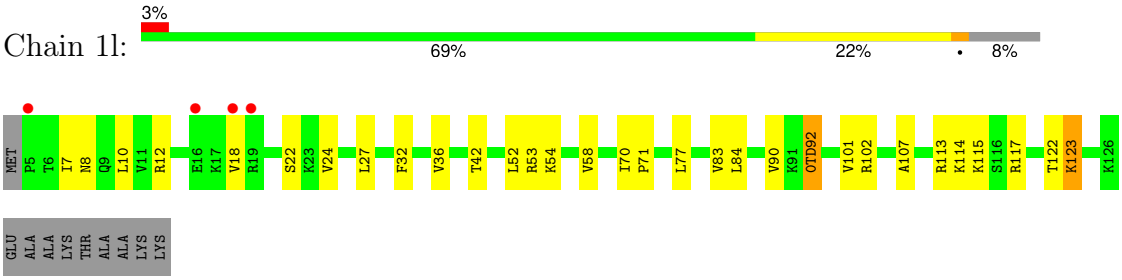
• Molecule 42: 30S ribosomal protein S11

Chain 2k:



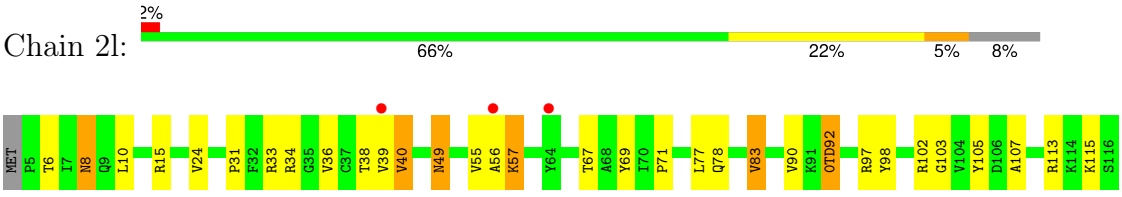
• Molecule 43: 30S ribosomal protein S12

Chain 1l:



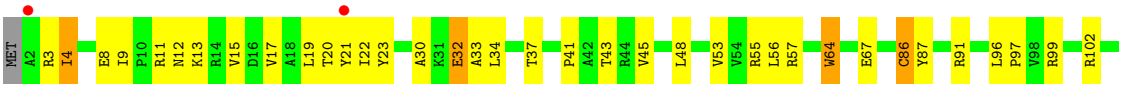
• Molecule 43: 30S ribosomal protein S12

Chain 2l:



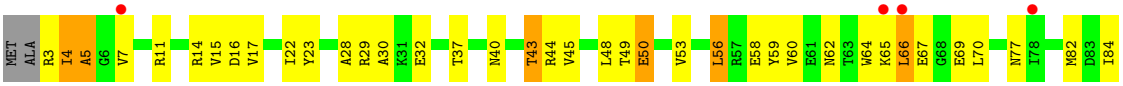
• Molecule 44: 30S ribosomal protein S13

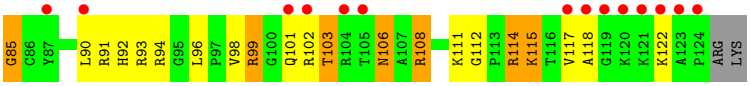
Chain 1m:



• Molecule 44: 30S ribosomal protein S13

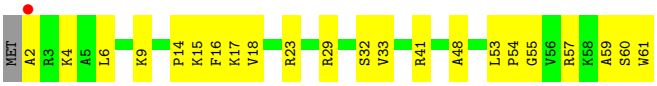
Chain 2m:





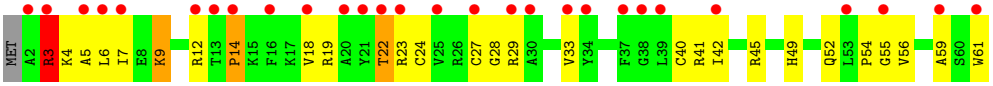
• Molecule 45: 30S ribosomal protein S14 type Z

Chain 1n:



• Molecule 45: 30S ribosomal protein S14 type Z

Chain 2n:

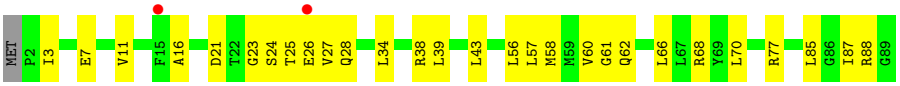


• Molecule 46: 30S ribosomal protein S15

Chain 1o:

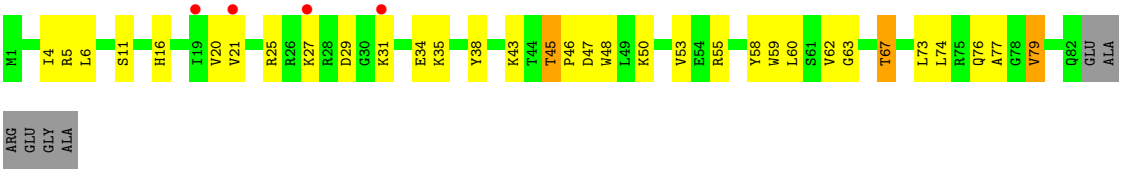
• Molecule 46: 30S ribosomal protein S15

Chain 2o:



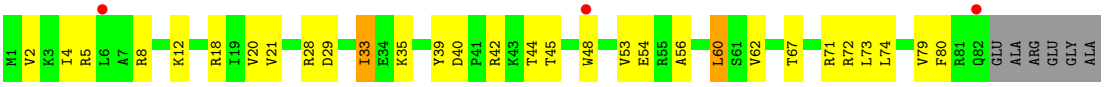
• Molecule 47: 30S ribosomal protein S16

Chain 1p:



• Molecule 47: 30S ribosomal protein S16

Chain 2p:

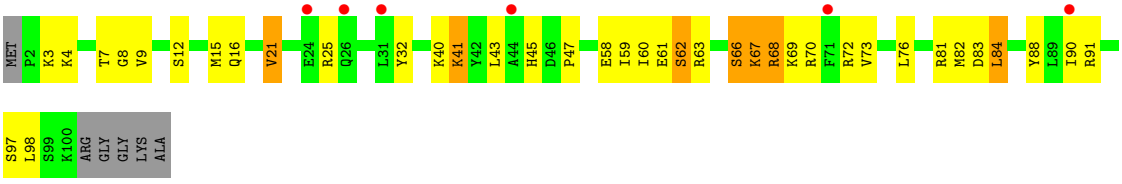


• Molecule 48: 30S ribosomal protein S17

Chain 1q:

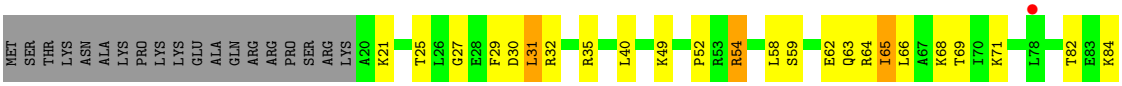
• Molecule 48: 30S ribosomal protein S17

Chain 2q:



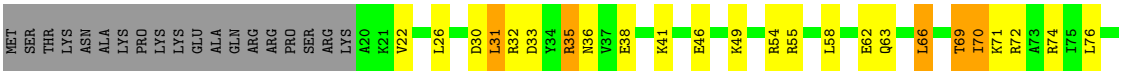
• Molecule 49: 30S ribosomal protein S18

Chain 1r:



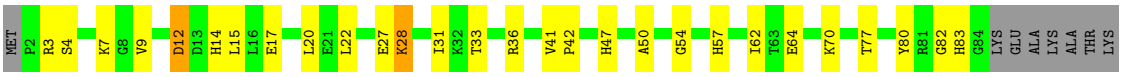
• Molecule 49: 30S ribosomal protein S18

Chain 2r:



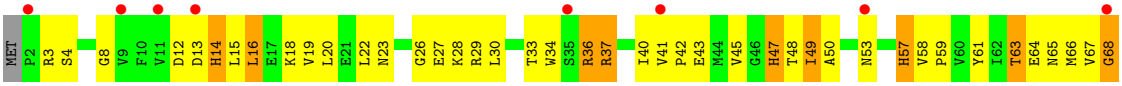
• Molecule 50: 30S ribosomal protein S19

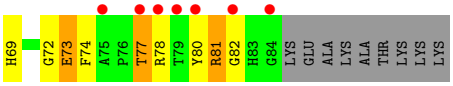
Chain 1s:



• Molecule 50: 30S ribosomal protein S19

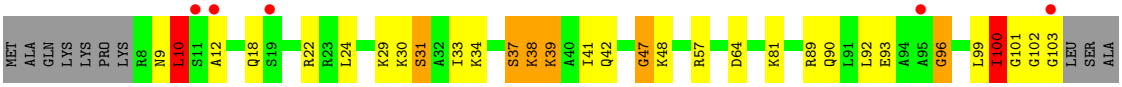
Chain 2s:





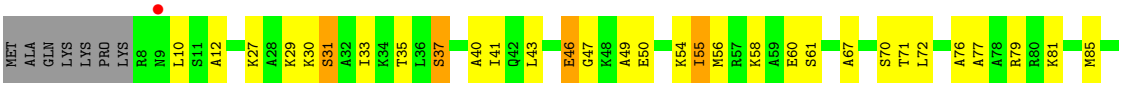
• Molecule 51: 30S ribosomal protein S20

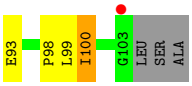
Chain 1t:



• Molecule 51: 30S ribosomal protein S20

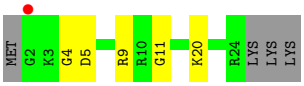
Chain 2t:





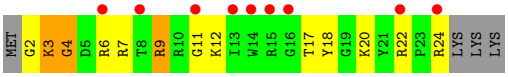
• Molecule 52: 30S ribosomal protein Thx

Chain 1u:



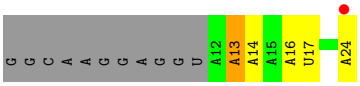
• Molecule 52: 30S ribosomal protein Thx

Chain 2u:



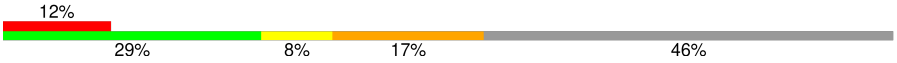
• Molecule 53: MET-PHE-mRNA

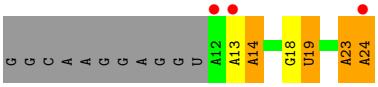
Chain 1v:



• Molecule 53: MET-PHE-mRNA

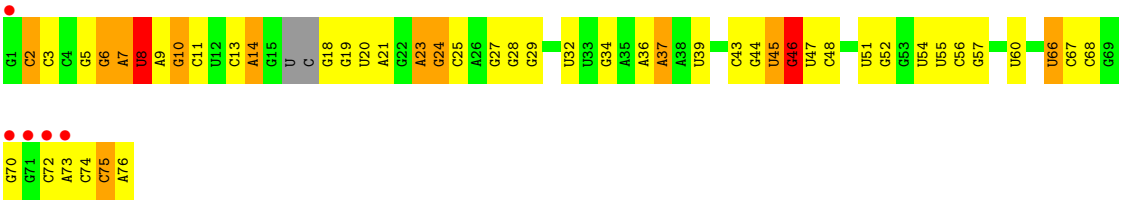
Chain 2v:





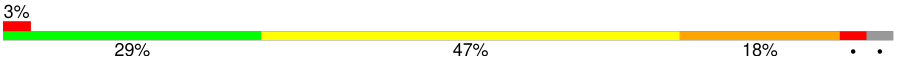
• Molecule 54: A-site and E-site Deacylated tRNAphe

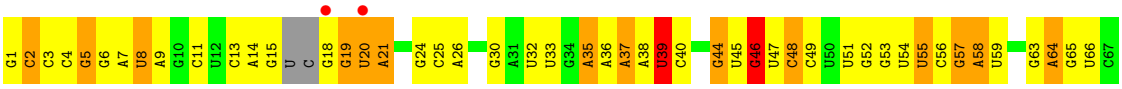
Chain 1w:

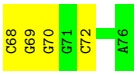


• Molecule 54: A-site and E-site Deacylated tRNAphe

Chain 1y:

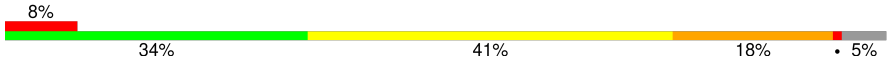


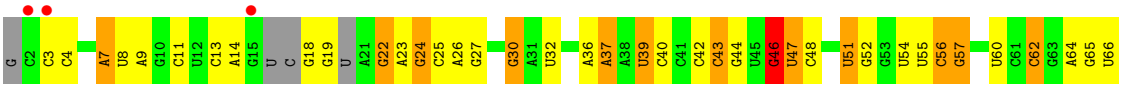


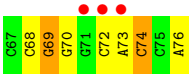


• Molecule 54: A-site and E-site Deacylated tRNAphe

Chain 2w:

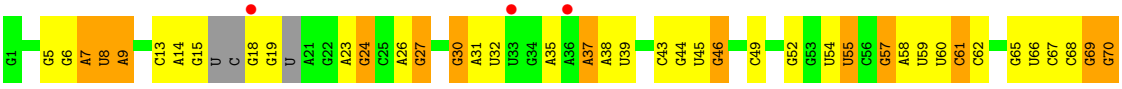






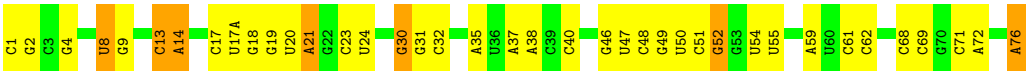
• Molecule 54: A-site and E-site Deacylated tRNAphe

Chain 2y:



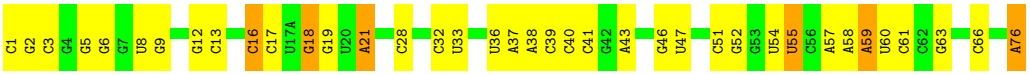
• Molecule 55: P-site Peptidyl-tRNA fMRC-tRNAcys RNA-part

Chain 1x:



• Molecule 55: P-site Peptidyl-tRNA fMRC-tRNAcys RNA-part

Chain 2x:



• Molecule 56: P-site Peptidyl-tRNA fMRC-tRNAcys Peptide-part

Chain 1z:

• Molecule 56: P-site Peptidyl-tRNA fMRC-tRNAcys Peptide-part

Chain 2z:

4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	208.76Å 447.07Å 617.30Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	122.56 – 2.75 122.56 – 2.75	Depositor EDS
% Data completeness (in resolution range)	99.8 (122.56-2.75) 99.8 (122.56-2.75)	Depositor EDS
R_{merge}	0.22	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.21 (at 2.73Å)	Xtriage
Refinement program	PHENIX 1.17.1	Depositor
R, R_{free}	0.228 , 0.282 0.230 , 0.281	Depositor DCC
R_{free} test set	74137 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å^2)	58.6	Xtriage
Anisotropy	0.153	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.28 , 49.4	EDS
L-test for twinning[2]	$< \|L\| > = 0.36$, $< L^2 > = 0.19$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.92	EDS
Total number of atoms	299368	wwPDB-VP
Average B, all atoms (Å^2)	59.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.66% 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: M2G, OMC, ZN, 4SU, 4OC, 2MA, MIA, K, G7M, PSU, MA6, MG, 0TD, UR3, 5MU, FME, OMU, SF4, OMG, 2MG, 8AN, ERY, 5MC

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	1A	0.28	1/69011 (0.0%)	0.45	1/107720 (0.0%)
1	2A	0.22	0/67295	0.40	1/105042 (0.0%)
2	1B	0.22	0/2882	0.39	0/4494
2	2B	0.20	0/2879	0.37	0/4487
3	1D	0.28	0/2186	0.50	0/2944
3	2D	0.23	0/2186	0.51	3/2944 (0.1%)
4	1E	0.26	0/1592	0.51	0/2149
4	2E	0.23	0/1592	0.46	0/2149
5	1F	0.27	0/1618	0.50	0/2191
5	2F	0.21	0/1614	0.46	2/2186 (0.1%)
6	1G	0.23	0/1448	0.46	0/1957
6	2G	0.20	0/1453	0.46	0/1963
7	1H	0.22	0/1356	0.41	0/1834
7	2H	0.21	0/1356	0.40	0/1834
8	1I	0.20	0/1112	0.46	0/1514
8	2I	0.22	0/1079	0.45	0/1475
9	1N	0.24	0/1144	0.45	0/1543
9	2N	0.19	0/1144	0.43	0/1543
10	1O	0.27	0/943	0.46	0/1269
10	2O	0.21	0/943	0.45	0/1269
11	1P	0.28	0/1152	0.49	0/1533
11	2P	0.22	0/1152	0.51	0/1533
12	1Q	0.27	0/1143	0.48	0/1527
12	2Q	0.21	0/1143	0.44	0/1527
13	1R	0.25	0/982	0.46	0/1312
13	2R	0.22	0/982	0.45	0/1312
14	1S	0.22	0/883	0.47	0/1176
14	2S	0.23	0/880	0.47	0/1172
15	1T	0.24	0/1105	0.48	0/1477
15	2T	0.23	0/1097	0.45	0/1468
16	1U	0.26	0/977	0.42	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
16	2U	0.20	0/977	0.42	0/1301
17	1V	0.23	0/782	0.43	0/1049
17	2V	0.19	0/782	0.41	0/1049
18	1W	0.26	0/897	0.44	0/1205
18	2W	0.22	0/897	0.41	0/1205
19	1X	0.28	0/764	0.51	0/1025
19	2X	0.22	0/764	0.48	0/1025
20	1Y	0.23	0/819	0.48	0/1095
20	2Y	0.20	0/819	0.45	0/1095
21	1Z	0.22	0/1267	0.48	0/1717
21	2Z	0.22	0/1299	0.43	0/1763
22	10	0.24	0/662	0.51	0/881
22	20	0.22	0/662	0.45	0/881
23	11	0.26	0/762	0.42	0/1014
23	21	0.22	0/762	0.43	0/1014
24	12	0.25	0/590	0.46	0/781
24	22	0.22	0/590	0.40	0/781
25	13	0.26	0/474	0.45	0/635
25	23	0.19	0/469	0.42	0/630
26	14	0.24	0/565	0.55	0/761
26	24	0.26	0/545	0.51	0/737
27	15	0.24	0/469	0.47	0/635
27	25	0.26	0/469	0.50	0/635
28	16	0.25	0/460	0.50	0/613
28	26	0.21	0/456	0.41	0/608
29	17	0.31	0/426	0.58	0/561
29	27	0.25	0/426	0.53	0/561
30	18	0.28	0/525	0.50	0/691
30	28	0.22	0/525	0.44	0/691
31	19	0.28	0/310	0.58	0/407
31	29	0.20	0/310	0.43	0/407
32	1a	0.21	0/35795	0.39	2/55864 (0.0%)
32	2a	0.20	1/35886 (0.0%)	0.38	3/56005 (0.0%)
33	1b	0.22	0/1881	0.53	0/2542
33	2b	0.24	0/1860	0.50	0/2518
34	1c	0.20	0/1572	0.41	0/2126
34	2c	0.25	0/1566	0.49	0/2119
35	1d	0.21	0/1685	0.45	0/2262
35	2d	0.21	0/1704	0.47	0/2284
36	1e	0.21	0/1145	0.46	0/1543
36	2e	0.21	0/1149	0.50	0/1548
37	1f	0.20	0/823	0.39	0/1115
37	2f	0.21	0/829	0.41	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
38	1g	0.21	0/1250	0.43	0/1679
38	2g	0.20	0/1254	0.46	0/1683
39	1h	0.20	0/1108	0.41	0/1494
39	2h	0.19	0/1108	0.41	0/1494
40	1i	0.22	0/1002	0.47	0/1346
40	2i	0.21	0/997	0.49	0/1343
41	1j	0.20	0/722	0.44	0/982
41	2j	0.21	0/727	0.44	0/988
42	1k	0.20	0/844	0.40	0/1145
42	2k	0.18	0/848	0.40	0/1149
43	1l	0.23	0/937	0.43	0/1260
43	2l	0.21	0/937	0.44	0/1260
44	1m	0.20	0/969	0.45	0/1302
44	2m	0.21	0/961	0.46	0/1291
45	1n	0.22	0/501	0.52	0/664
45	2n	0.21	0/501	0.45	0/664
46	1o	0.20	0/739	0.42	0/985
46	2o	0.19	0/739	0.41	0/985
47	1p	0.22	0/697	0.49	0/939
47	2p	0.19	0/693	0.42	0/935
48	1q	0.19	0/836	0.43	0/1117
48	2q	0.20	0/836	0.48	0/1117
49	1r	0.22	0/560	0.50	0/746
49	2r	0.21	0/560	0.45	0/746
50	1s	0.21	0/667	0.49	0/900
50	2s	0.28	0/661	0.58	0/893
51	1t	0.23	0/730	0.53	0/965
51	2t	0.22	0/729	0.50	0/965
52	1u	0.19	0/203	0.44	0/266
52	2u	0.20	0/203	0.52	0/266
53	1v	0.23	0/310	0.35	0/480
53	2v	0.21	0/310	0.40	0/480
54	1w	0.30	2/1606 (0.1%)	0.42	0/2497
54	1y	0.28	1/1606 (0.1%)	0.43	0/2497
54	2w	0.30	1/1556 (0.1%)	0.43	0/2418
54	2y	0.28	1/1583 (0.1%)	0.39	0/2459
55	1x	0.27	0/1723	0.42	0/2684
55	2x	0.24	0/1723	0.40	0/2684
56	1z	0.34	0/16	0.38	0/19
56	2z	0.34	0/16	0.64	0/19
All	All	0.23	7/316716 (0.0%)	0.43	12/474153 (0.0%)

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
33	1b	0	2

The worst 5 of 7 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	2w	46	G7M	O3'-P	5.71	1.61	1.56
54	1w	8	4SU	O3'-P	5.36	1.61	1.56
54	1y	8	4SU	O3'-P	5.13	1.61	1.56
1	1A	2552	OMU	O3'-P	5.12	1.61	1.56
32	2a	527	G7M	O3'-P	5.08	1.61	1.56

The worst 5 of 12 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1A	1992	G	C2'-C3'-O3'	5.93	118.40	109.50
5	2F	21	ALA	CA-C-N	5.85	132.22	121.70
5	2F	21	ALA	C-N-CA	5.85	132.22	121.70
1	2A	1992	G	C2'-C3'-O3'	5.64	117.97	109.50
32	1a	266	G	C2'-C3'-O3'	5.61	117.91	109.50

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	1b	125	PRO	Peptide
33	1b	20	GLU	Peptide

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31192	706	0
1	2A	60322	0	30425	775	0
2	1B	2577	0	1305	31	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	2B	2575	0	1303	49	0
3	1D	2136	0	2218	54	0
3	2D	2136	0	2218	50	0
4	1E	1559	0	1618	29	0
4	2E	1559	0	1618	46	0
5	1F	1583	0	1625	46	0
5	2F	1579	0	1619	52	0
6	1G	1423	0	1436	47	0
6	2G	1428	0	1438	60	0
7	1H	1330	0	1407	29	0
7	2H	1330	0	1407	35	0
8	1I	1097	0	1140	25	0
8	2I	1064	0	1082	35	0
9	1N	1117	0	1184	19	0
9	2N	1117	0	1184	30	0
10	1O	933	0	996	19	0
10	2O	933	0	996	21	0
11	1P	1135	0	1212	38	0
11	2P	1135	0	1212	38	0
12	1Q	1122	0	1179	44	0
12	2Q	1122	0	1179	47	0
13	1R	968	0	1033	18	0
13	2R	968	0	1033	24	0
14	1S	873	0	927	20	0
14	2S	870	0	923	41	0
15	1T	1091	0	1151	28	0
15	2T	1083	0	1136	26	0
16	1U	959	0	1018	16	0
16	2U	959	0	1019	24	0
17	1V	771	0	828	13	0
17	2V	771	0	830	17	0
18	1W	886	0	940	19	0
18	2W	886	0	940	14	0
19	1X	750	0	814	11	0
19	2X	750	0	813	14	0
20	1Y	806	0	881	20	0
20	2Y	806	0	881	20	0
21	1Z	1240	0	1240	39	0
21	2Z	1271	0	1273	44	0
22	10	653	0	674	19	0
22	20	653	0	674	12	0
23	11	755	0	826	9	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
23	21	755	0	826	21	0
24	12	588	0	643	16	0
24	22	588	0	643	14	0
25	13	469	0	518	10	0
25	23	464	0	514	20	0
26	14	552	0	533	27	0
26	24	532	0	503	30	0
27	15	455	0	465	9	0
27	25	455	0	465	9	0
28	16	453	0	473	15	0
28	26	449	0	469	16	0
29	17	418	0	467	8	0
29	27	418	0	467	13	0
30	18	517	0	582	14	0
30	28	517	0	582	20	0
31	19	307	0	335	4	0
31	29	307	0	335	8	0
32	1a	32246	0	16293	438	0
32	2a	32327	0	16337	585	0
33	1b	1846	0	1867	61	0
33	2b	1825	0	1828	81	0
34	1c	1548	0	1535	40	0
34	2c	1542	0	1517	68	0
35	1d	1655	0	1672	64	0
35	2d	1674	0	1714	76	0
36	1e	1129	0	1185	38	0
36	2e	1133	0	1191	50	0
37	1f	810	0	804	23	0
37	2f	816	0	808	19	0
38	1g	1231	0	1238	36	0
38	2g	1235	0	1249	48	0
39	1h	1088	0	1126	26	0
39	2h	1088	0	1126	45	0
40	1i	983	0	986	36	0
40	2i	978	0	966	45	0
41	1j	709	0	650	23	0
41	2j	714	0	672	30	0
42	1k	829	0	825	18	0
42	2k	833	0	834	23	0
43	1l	932	0	981	18	0
43	2l	932	0	980	23	0
44	1m	958	0	1002	26	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
44	2m	950	0	988	48	0
45	1n	492	0	529	17	0
45	2n	492	0	529	27	0
46	1o	728	0	760	18	0
46	2o	728	0	760	18	0
47	1p	681	0	697	19	0
47	2p	677	0	686	19	0
48	1q	823	0	891	31	0
48	2q	823	0	891	24	0
49	1r	555	0	618	19	0
49	2r	555	0	618	17	0
50	1s	652	0	662	22	0
50	2s	646	0	644	51	0
51	1t	728	0	798	23	0
51	2t	727	0	796	24	0
52	1u	199	0	208	2	0
52	2u	199	0	208	12	0
53	1v	277	0	140	3	0
53	2v	277	0	139	8	0
54	1w	1592	0	818	27	0
54	1y	1585	0	803	29	0
54	2w	1544	0	786	28	0
54	2y	1565	0	793	23	0
55	1x	1646	0	839	22	0
55	2x	1646	0	838	24	0
56	1z	27	0	28	1	0
56	2z	27	0	28	1	0
57	10	10	0	0	0	0
57	11	3	0	0	0	0
57	12	2	0	0	0	0
57	13	5	0	0	0	0
57	14	1	0	0	0	0
57	15	9	0	0	0	0
57	16	2	0	0	0	0
57	17	6	0	0	0	0
57	18	7	0	0	0	0
57	1A	1085	0	0	0	0
57	1B	38	0	0	0	0
57	1D	12	0	0	0	0
57	1E	13	0	0	0	0
57	1F	13	0	0	0	0
57	1G	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	1H	1	0	0	0	0
57	1I	1	0	0	0	0
57	1N	4	0	0	0	0
57	1O	4	0	0	0	0
57	1P	6	0	0	0	0
57	1Q	7	0	0	0	0
57	1R	6	0	0	0	0
57	1S	2	0	0	0	0
57	1T	3	0	0	0	0
57	1U	11	0	0	0	0
57	1V	7	0	0	0	0
57	1W	7	0	0	0	0
57	1X	7	0	0	0	0
57	1Y	2	0	0	0	0
57	1Z	2	0	0	0	0
57	1a	211	0	0	0	0
57	1b	1	0	0	0	0
57	1d	1	0	0	0	0
57	1e	1	0	0	0	0
57	1f	1	0	0	0	0
57	1j	1	0	0	0	0
57	1l	2	0	0	0	0
57	1m	1	0	0	0	0
57	1n	3	0	0	0	0
57	1p	1	0	0	0	0
57	1r	1	0	0	0	0
57	1t	1	0	0	0	0
57	1w	6	0	0	0	0
57	1x	12	0	0	0	0
57	20	3	0	0	0	0
57	21	1	0	0	0	0
57	23	2	0	0	0	0
57	25	1	0	0	0	0
57	26	1	0	0	0	0
57	27	4	0	0	0	0
57	28	3	0	0	0	0
57	2A	855	0	0	0	0
57	2B	20	0	0	0	0
57	2D	6	0	0	0	0
57	2E	9	0	0	0	0
57	2F	6	0	0	0	0
57	2N	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	2O	2	0	0	0	0
57	2P	2	0	0	0	0
57	2Q	1	0	0	0	0
57	2R	4	0	0	0	0
57	2T	3	0	0	0	0
57	2U	2	0	0	0	0
57	2V	1	0	0	0	0
57	2W	2	0	0	0	0
57	2X	1	0	0	0	0
57	2Y	1	0	0	0	0
57	2Z	1	0	0	0	0
57	2a	225	0	0	0	0
57	2d	2	0	0	0	0
57	2e	1	0	0	0	0
57	2f	2	0	0	0	0
57	2g	1	0	0	0	0
57	2j	1	0	0	0	0
57	2k	1	0	0	0	0
57	2l	4	0	0	0	0
57	2o	1	0	0	0	0
57	2q	3	0	0	0	0
57	2r	1	0	0	0	0
57	2t	1	0	0	0	0
57	2v	2	0	0	0	0
57	2w	5	0	0	0	0
57	2x	6	0	0	0	0
57	2y	1	0	0	0	0
57	2z	1	0	0	0	0
58	1A	1	0	0	0	0
58	2A	1	0	0	0	0
59	1A	51	0	67	9	0
59	2A	51	0	67	4	0
60	14	1	0	0	0	0
60	15	1	0	0	0	0
60	16	1	0	0	0	0
60	19	1	0	0	0	0
60	1Y	1	0	0	0	0
60	1n	1	0	0	0	0
60	24	1	0	0	0	0
60	25	1	0	0	0	0
60	26	1	0	0	0	0
60	29	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	2Y	1	0	0	0	0
60	2n	1	0	0	0	0
61	1d	8	0	0	1	0
61	2d	8	0	0	2	0
62	10	8	0	0	1	0
62	11	7	0	0	0	0
62	12	3	0	0	0	0
62	13	4	0	0	0	0
62	14	1	0	0	0	0
62	15	6	0	0	0	0
62	16	3	0	0	0	0
62	17	10	0	0	1	0
62	18	8	0	0	0	0
62	1A	1680	0	0	117	0
62	1B	54	0	0	3	0
62	1D	32	0	0	3	0
62	1E	23	0	0	1	0
62	1F	17	0	0	2	0
62	1G	1	0	0	0	0
62	1H	1	0	0	0	0
62	1N	4	0	0	0	0
62	1O	3	0	0	0	0
62	1P	15	0	0	3	0
62	1Q	8	0	0	1	0
62	1R	12	0	0	1	0
62	1S	3	0	0	0	0
62	1T	6	0	0	0	0
62	1U	8	0	0	0	0
62	1V	9	0	0	0	0
62	1W	9	0	0	0	0
62	1X	6	0	0	1	0
62	1Y	1	0	0	0	0
62	1Z	1	0	0	0	0
62	1a	252	0	0	20	0
62	1b	1	0	0	0	0
62	1d	1	0	0	0	0
62	1f	1	0	0	0	0
62	1l	3	0	0	0	0
62	1m	2	0	0	0	0
62	1o	1	0	0	0	0
62	1p	1	0	0	0	0
62	1q	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
62	1u	1	0	0	0	0
62	1v	3	0	0	0	0
62	1w	8	0	0	0	0
62	1x	7	0	0	1	0
62	1y	1	0	0	0	0
62	1z	1	0	0	0	0
62	20	2	0	0	0	0
62	21	6	0	0	1	0
62	23	1	0	0	0	0
62	25	2	0	0	0	0
62	27	2	0	0	0	0
62	28	3	0	0	0	0
62	29	1	0	0	0	0
62	2A	952	0	0	89	0
62	2B	21	0	0	2	0
62	2D	15	0	0	0	0
62	2E	5	0	0	1	0
62	2F	13	0	0	1	0
62	2O	3	0	0	0	0
62	2P	6	0	0	0	0
62	2Q	1	0	0	0	0
62	2R	4	0	0	0	0
62	2T	2	0	0	0	0
62	2U	2	0	0	0	0
62	2V	1	0	0	0	0
62	2W	1	0	0	0	0
62	2X	5	0	0	0	0
62	2a	150	0	0	13	0
62	2e	1	0	0	0	0
62	2j	1	0	0	1	0
62	2l	4	0	0	0	0
62	2q	1	0	0	0	0
62	2v	3	0	0	0	0
62	2w	3	0	0	0	0
62	2x	4	0	0	1	0
62	2z	1	0	0	0	0
All	All	299368	0	196882	4775	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 10.

The worst 5 of 4775 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:1082:U:H3	1:1A:1086:A:N6	1.23	1.36
22:20:10:THR:HG22	22:20:12:ASN:H	1.28	0.97
1:1A:1082:U:N3	1:1A:1086:A:N6	2.06	0.96
1:1A:1603:A:OP1	62:1A:4102:HOH:O	1.84	0.94
36:1e:78:HIS:HE1	36:1e:143:ARG:H	1.15	0.93

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
3	1D	273/276 (99%)	250 (92%)	22 (8%)	1 (0%)	30 47
3	2D	273/276 (99%)	245 (90%)	25 (9%)	3 (1%)	12 21
4	1E	202/206 (98%)	182 (90%)	19 (9%)	1 (0%)	25 41
4	2E	202/206 (98%)	181 (90%)	20 (10%)	1 (0%)	25 41
5	1F	200/210 (95%)	187 (94%)	11 (6%)	2 (1%)	13 23
5	2F	200/210 (95%)	179 (90%)	18 (9%)	3 (2%)	8 14
6	1G	179/182 (98%)	154 (86%)	25 (14%)	0	100 100
6	2G	179/182 (98%)	141 (79%)	28 (16%)	10 (6%)	1 1
7	1H	172/180 (96%)	162 (94%)	9 (5%)	1 (1%)	22 36
7	2H	172/180 (96%)	142 (83%)	27 (16%)	3 (2%)	7 13
8	1I	144/148 (97%)	125 (87%)	19 (13%)	0	100 100
8	2I	144/148 (97%)	107 (74%)	32 (22%)	5 (4%)	3 4
9	1N	138/140 (99%)	131 (95%)	7 (5%)	0	100 100
9	2N	138/140 (99%)	126 (91%)	10 (7%)	2 (1%)	9 16
10	1O	120/122 (98%)	112 (93%)	6 (5%)	2 (2%)	7 13
10	2O	120/122 (98%)	109 (91%)	8 (7%)	3 (2%)	4 7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	1P	147/150 (98%)	130 (88%)	11 (8%)	6 (4%)	2 2
11	2P	147/150 (98%)	129 (88%)	14 (10%)	4 (3%)	4 6
12	1Q	139/141 (99%)	129 (93%)	10 (7%)	0	100 100
12	2Q	139/141 (99%)	121 (87%)	17 (12%)	1 (1%)	19 32
13	1R	116/118 (98%)	110 (95%)	4 (3%)	2 (2%)	7 13
13	2R	116/118 (98%)	108 (93%)	8 (7%)	0	100 100
14	1S	108/112 (96%)	101 (94%)	7 (6%)	0	100 100
14	2S	108/112 (96%)	96 (89%)	9 (8%)	3 (3%)	4 6
15	1T	129/146 (88%)	114 (88%)	14 (11%)	1 (1%)	16 29
15	2T	129/146 (88%)	122 (95%)	6 (5%)	1 (1%)	16 29
16	1U	114/118 (97%)	113 (99%)	1 (1%)	0	100 100
16	2U	114/118 (97%)	109 (96%)	5 (4%)	0	100 100
17	1V	99/101 (98%)	92 (93%)	4 (4%)	3 (3%)	3 5
17	2V	99/101 (98%)	88 (89%)	9 (9%)	2 (2%)	6 11
18	1W	110/113 (97%)	107 (97%)	3 (3%)	0	100 100
18	2W	110/113 (97%)	102 (93%)	8 (7%)	0	100 100
19	1X	93/96 (97%)	87 (94%)	6 (6%)	0	100 100
19	2X	93/96 (97%)	81 (87%)	11 (12%)	1 (1%)	12 21
20	1Y	105/110 (96%)	94 (90%)	8 (8%)	3 (3%)	3 5
20	2Y	105/110 (96%)	95 (90%)	8 (8%)	2 (2%)	6 11
21	1Z	148/206 (72%)	126 (85%)	18 (12%)	4 (3%)	4 6
21	2Z	156/206 (76%)	123 (79%)	24 (15%)	9 (6%)	1 1
22	10	81/85 (95%)	77 (95%)	4 (5%)	0	100 100
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	11 19
23	11	95/98 (97%)	91 (96%)	3 (3%)	1 (1%)	12 21
23	21	95/98 (97%)	90 (95%)	4 (4%)	1 (1%)	12 21
24	12	68/72 (94%)	66 (97%)	2 (3%)	0	100 100
24	22	68/72 (94%)	63 (93%)	5 (7%)	0	100 100
25	13	57/60 (95%)	55 (96%)	2 (4%)	0	100 100
25	23	57/60 (95%)	52 (91%)	3 (5%)	2 (4%)	3 4
26	14	67/71 (94%)	46 (69%)	15 (22%)	6 (9%)	0 0

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
26	24	67/71 (94%)	47 (70%)	15 (22%)	5 (8%)	1 1
27	15	57/60 (95%)	54 (95%)	3 (5%)	0	100 100
27	25	57/60 (95%)	52 (91%)	5 (9%)	0	100 100
28	16	51/54 (94%)	46 (90%)	5 (10%)	0	100 100
28	26	51/54 (94%)	44 (86%)	7 (14%)	0	100 100
29	17	46/49 (94%)	46 (100%)	0	0	100 100
29	27	46/49 (94%)	45 (98%)	1 (2%)	0	100 100
30	18	62/65 (95%)	62 (100%)	0	0	100 100
30	28	62/65 (95%)	58 (94%)	4 (6%)	0	100 100
31	19	35/37 (95%)	33 (94%)	2 (6%)	0	100 100
31	29	35/37 (95%)	31 (89%)	4 (11%)	0	100 100
33	1b	229/256 (90%)	184 (80%)	31 (14%)	14 (6%)	1 1
33	2b	229/256 (90%)	170 (74%)	51 (22%)	8 (4%)	3 4
34	1c	204/239 (85%)	185 (91%)	16 (8%)	3 (2%)	8 14
34	2c	204/239 (85%)	153 (75%)	48 (24%)	3 (2%)	8 14
35	1d	206/209 (99%)	191 (93%)	12 (6%)	3 (2%)	8 14
35	2d	206/209 (99%)	173 (84%)	27 (13%)	6 (3%)	3 5
36	1e	146/162 (90%)	134 (92%)	10 (7%)	2 (1%)	9 16
36	2e	146/162 (90%)	116 (80%)	23 (16%)	7 (5%)	2 2
37	1f	98/101 (97%)	91 (93%)	7 (7%)	0	100 100
37	2f	98/101 (97%)	87 (89%)	11 (11%)	0	100 100
38	1g	153/156 (98%)	137 (90%)	13 (8%)	3 (2%)	6 11
38	2g	153/156 (98%)	129 (84%)	21 (14%)	3 (2%)	6 11
39	1h	135/138 (98%)	120 (89%)	13 (10%)	2 (2%)	8 14
39	2h	135/138 (98%)	122 (90%)	11 (8%)	2 (2%)	8 14
40	1i	125/128 (98%)	105 (84%)	17 (14%)	3 (2%)	5 8
40	2i	125/128 (98%)	105 (84%)	16 (13%)	4 (3%)	3 5
41	1j	95/105 (90%)	80 (84%)	11 (12%)	4 (4%)	2 2
41	2j	94/105 (90%)	72 (77%)	17 (18%)	5 (5%)	1 1
42	1k	112/129 (87%)	102 (91%)	9 (8%)	1 (1%)	14 26
42	2k	112/129 (87%)	96 (86%)	13 (12%)	3 (3%)	4 6

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
43	1l	119/132 (90%)	108 (91%)	10 (8%)	1 (1%)	16 29
43	2l	119/132 (90%)	108 (91%)	9 (8%)	2 (2%)	7 13
44	1m	121/126 (96%)	102 (84%)	16 (13%)	3 (2%)	4 7
44	2m	120/126 (95%)	99 (82%)	17 (14%)	4 (3%)	3 4
45	1n	58/61 (95%)	54 (93%)	4 (7%)	0	100 100
45	2n	58/61 (95%)	50 (86%)	6 (10%)	2 (3%)	3 4
46	1o	86/89 (97%)	74 (86%)	8 (9%)	4 (5%)	2 2
46	2o	86/89 (97%)	79 (92%)	7 (8%)	0	100 100
47	1p	80/88 (91%)	69 (86%)	10 (12%)	1 (1%)	10 17
47	2p	80/88 (91%)	72 (90%)	7 (9%)	1 (1%)	10 17
48	1q	97/105 (92%)	87 (90%)	10 (10%)	0	100 100
48	2q	97/105 (92%)	78 (80%)	16 (16%)	3 (3%)	3 5
49	1r	66/88 (75%)	57 (86%)	8 (12%)	1 (2%)	8 14
49	2r	66/88 (75%)	59 (89%)	7 (11%)	0	100 100
50	1s	81/93 (87%)	66 (82%)	15 (18%)	0	100 100
50	2s	81/93 (87%)	65 (80%)	14 (17%)	2 (2%)	4 7
51	1t	94/106 (89%)	81 (86%)	8 (8%)	5 (5%)	1 1
51	2t	94/106 (89%)	82 (87%)	11 (12%)	1 (1%)	12 21
52	1u	21/27 (78%)	18 (86%)	3 (14%)	0	100 100
52	2u	21/27 (78%)	13 (62%)	6 (29%)	2 (10%)	0 0
56	1z	1/3 (33%)	0	1 (100%)	0	100 100
56	2z	1/3 (33%)	1 (100%)	0	0	100 100
All	All	11370/12134 (94%)	10019 (88%)	1148 (10%)	203 (2%)	7 12

5 of 203 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
11	1P	38	GLN
21	1Z	53	ILE
21	1Z	93	ASP
26	14	46	GLN

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
3	1D	215/218 (99%)	202 (94%)	13 (6%)	16 29
3	2D	215/218 (99%)	197 (92%)	18 (8%)	9 16
4	1E	164/166 (99%)	149 (91%)	15 (9%)	7 13
4	2E	164/166 (99%)	145 (88%)	19 (12%)	4 7
5	1F	160/166 (96%)	142 (89%)	18 (11%)	4 8
5	2F	159/166 (96%)	145 (91%)	14 (9%)	8 15
6	1G	143/156 (92%)	129 (90%)	14 (10%)	6 11
6	2G	143/156 (92%)	125 (87%)	18 (13%)	3 5
7	1H	144/148 (97%)	133 (92%)	11 (8%)	11 19
7	2H	144/148 (97%)	124 (86%)	20 (14%)	3 4
8	1I	113/124 (91%)	99 (88%)	14 (12%)	4 6
8	2I	105/124 (85%)	93 (89%)	12 (11%)	4 7
9	1N	118/119 (99%)	109 (92%)	9 (8%)	11 19
9	2N	118/119 (99%)	104 (88%)	14 (12%)	4 7
10	1O	100/100 (100%)	96 (96%)	4 (4%)	27 47
10	2O	100/100 (100%)	92 (92%)	8 (8%)	10 18
11	1P	115/116 (99%)	99 (86%)	16 (14%)	3 4
11	2P	115/116 (99%)	102 (89%)	13 (11%)	4 8
12	1Q	111/111 (100%)	97 (87%)	14 (13%)	3 5
12	2Q	111/111 (100%)	100 (90%)	11 (10%)	6 11
13	1R	101/101 (100%)	96 (95%)	5 (5%)	20 37
13	2R	101/101 (100%)	98 (97%)	3 (3%)	36 58
14	1S	86/88 (98%)	73 (85%)	13 (15%)	2 3
14	2S	85/88 (97%)	65 (76%)	20 (24%)	0 0
15	1T	115/127 (91%)	108 (94%)	7 (6%)	15 28
15	2T	113/127 (89%)	104 (92%)	9 (8%)	10 18

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
16	1U	93/94 (99%)	86 (92%)	7 (8%)	11 20
16	2U	93/94 (99%)	86 (92%)	7 (8%)	11 20
17	1V	80/82 (98%)	71 (89%)	9 (11%)	4 8
17	2V	80/82 (98%)	69 (86%)	11 (14%)	3 4
18	1W	90/92 (98%)	82 (91%)	8 (9%)	8 14
18	2W	90/92 (98%)	83 (92%)	7 (8%)	10 19
19	1X	77/78 (99%)	75 (97%)	2 (3%)	41 63
19	2X	77/78 (99%)	69 (90%)	8 (10%)	5 10
20	1Y	85/91 (93%)	76 (89%)	9 (11%)	5 9
20	2Y	85/91 (93%)	72 (85%)	13 (15%)	2 3
21	1Z	135/179 (75%)	109 (81%)	26 (19%)	1 1
21	2Z	137/179 (76%)	114 (83%)	23 (17%)	1 2
22	10	65/67 (97%)	63 (97%)	2 (3%)	35 56
22	20	65/67 (97%)	60 (92%)	5 (8%)	10 19
23	11	80/83 (96%)	71 (89%)	9 (11%)	4 8
23	21	80/83 (96%)	74 (92%)	6 (8%)	11 20
24	12	65/67 (97%)	57 (88%)	8 (12%)	4 6
24	22	65/67 (97%)	58 (89%)	7 (11%)	5 9
25	13	51/52 (98%)	44 (86%)	7 (14%)	3 4
25	23	50/52 (96%)	43 (86%)	7 (14%)	3 4
26	14	59/63 (94%)	48 (81%)	11 (19%)	1 2
26	24	53/63 (84%)	41 (77%)	12 (23%)	1 0
27	15	50/52 (96%)	47 (94%)	3 (6%)	16 29
27	25	50/52 (96%)	47 (94%)	3 (6%)	16 29
28	16	51/52 (98%)	42 (82%)	9 (18%)	1 2
28	26	50/52 (96%)	41 (82%)	9 (18%)	1 2
29	17	41/42 (98%)	38 (93%)	3 (7%)	11 21
29	27	41/42 (98%)	36 (88%)	5 (12%)	4 6
30	18	54/55 (98%)	52 (96%)	2 (4%)	29 50
30	28	54/55 (98%)	50 (93%)	4 (7%)	11 20
31	19	34/34 (100%)	32 (94%)	2 (6%)	16 30

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
31	29	34/34 (100%)	29 (85%)	5 (15%)	2 3
33	1b	192/220 (87%)	164 (85%)	28 (15%)	2 3
33	2b	187/220 (85%)	148 (79%)	39 (21%)	1 1
34	1c	142/188 (76%)	128 (90%)	14 (10%)	6 11
34	2c	140/188 (74%)	121 (86%)	19 (14%)	3 4
35	1d	169/181 (93%)	151 (89%)	18 (11%)	5 9
35	2d	173/181 (96%)	151 (87%)	22 (13%)	3 5
36	1e	113/123 (92%)	100 (88%)	13 (12%)	4 7
36	2e	114/123 (93%)	95 (83%)	19 (17%)	2 2
37	1f	84/90 (93%)	74 (88%)	10 (12%)	4 7
37	2f	85/90 (94%)	74 (87%)	11 (13%)	3 5
38	1g	119/127 (94%)	103 (87%)	16 (13%)	3 4
38	2g	120/127 (94%)	97 (81%)	23 (19%)	1 1
39	1h	114/119 (96%)	100 (88%)	14 (12%)	4 6
39	2h	114/119 (96%)	102 (90%)	12 (10%)	5 9
40	1i	90/99 (91%)	79 (88%)	11 (12%)	4 6
40	2i	89/99 (90%)	79 (89%)	10 (11%)	5 8
41	1j	66/92 (72%)	56 (85%)	10 (15%)	2 3
41	2j	69/92 (75%)	59 (86%)	10 (14%)	2 3
42	1k	82/99 (83%)	70 (85%)	12 (15%)	2 3
42	2k	83/99 (84%)	75 (90%)	8 (10%)	7 12
43	1l	96/108 (89%)	90 (94%)	6 (6%)	15 27
43	2l	96/108 (89%)	84 (88%)	12 (12%)	3 6
44	1m	93/101 (92%)	84 (90%)	9 (10%)	6 12
44	2m	92/101 (91%)	77 (84%)	15 (16%)	2 2
45	1n	49/50 (98%)	45 (92%)	4 (8%)	9 17
45	2n	49/50 (98%)	44 (90%)	5 (10%)	6 10
46	1o	78/80 (98%)	73 (94%)	5 (6%)	14 27
46	2o	78/80 (98%)	75 (96%)	3 (4%)	28 49
47	1p	69/74 (93%)	56 (81%)	13 (19%)	1 1
47	2p	68/74 (92%)	59 (87%)	9 (13%)	3 5

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
48	1q	94/97 (97%)	84 (89%)	10 (11%)	5 9
48	2q	94/97 (97%)	82 (87%)	12 (13%)	3 5
49	1r	59/77 (77%)	53 (90%)	6 (10%)	6 10
49	2r	59/77 (77%)	49 (83%)	10 (17%)	1 2
50	1s	69/80 (86%)	62 (90%)	7 (10%)	6 10
50	2s	67/80 (84%)	51 (76%)	16 (24%)	0 0
51	1t	70/82 (85%)	61 (87%)	9 (13%)	3 5
51	2t	70/82 (85%)	62 (89%)	8 (11%)	4 7
52	1u	18/22 (82%)	16 (89%)	2 (11%)	5 8
52	2u	18/22 (82%)	16 (89%)	2 (11%)	5 8
56	1z	2/2 (100%)	1 (50%)	1 (50%)	0 0
56	2z	2/2 (100%)	1 (50%)	1 (50%)	0 0
All	All	9307/10068 (92%)	8242 (89%)	1065 (11%)	4 7

5 of 1065 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
38	2g	113	GLU
40	2i	108	VAL
38	2g	106	GLN
50	2s	27	GLU
40	1i	64	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 141 such sidechains are listed below:

Mol	Chain	Res	Type
36	2e	127	ASN
38	2g	97	GLN
46	2o	13	GLN
38	1g	86	GLN
38	1g	28	ASN

5.3.3 RNA

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	505 (17%)	24 (0%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2A	2791/2915 (95%)	520 (18%)	23 (0%)
2	1B	119/121 (98%)	7 (5%)	0
2	2B	118/121 (97%)	30 (25%)	0
32	1a	1497/1521 (98%)	277 (18%)	0
32	2a	1501/1521 (98%)	347 (23%)	0
53	1v	12/24 (50%)	2 (16%)	0
53	2v	12/24 (50%)	5 (41%)	0
54	1w	72/76 (94%)	24 (33%)	0
54	1y	72/76 (94%)	26 (36%)	0
54	2w	69/76 (90%)	24 (34%)	0
54	2y	70/76 (92%)	25 (35%)	0
55	1x	75/77 (97%)	16 (21%)	0
55	2x	75/77 (97%)	13 (17%)	0
All	All	9347/9620 (97%)	1821 (19%)	47 (0%)

5 of 1821 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	10	G
1	1A	11	G
1	1A	12	U
1	1A	15	G
1	1A	27	G

5 of 47 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	277	C
1	2A	1210	A
1	2A	479	A
1	2A	752	A
1	2A	1420	U

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

88 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the

expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
1	5MU	2A	1915	1,57	19,22,23	1.45	5 (26%)	27,32,35	2.05	5 (18%)
32	PSU	2a	516	32,57	18,21,22	1.35	2 (11%)	21,30,33	2.01	5 (23%)
55	PSU	2x	55	55	18,21,22	1.38	3 (16%)	21,30,33	1.94	3 (14%)
54	PSU	2w	55	54	18,21,22	1.41	2 (11%)	21,30,33	2.05	4 (19%)
32	5MC	2a	1407	32	19,22,23	1.64	3 (15%)	26,32,35	1.20	3 (11%)
54	G7M	1w	46	54	20,26,27	1.19	1 (5%)	16,39,42	0.91	0
32	PSU	1a	516	32,57	18,21,22	1.34	2 (11%)	21,30,33	2.12	4 (19%)
1	OMU	2A	2552	1,57	19,22,23	1.20	3 (15%)	25,31,34	1.74	5 (20%)
54	4SU	2y	8	54	18,21,22	1.61	3 (16%)	25,30,33	2.26	5 (20%)
32	4OC	2a	1402	32,57	20,23,24	0.78	0	25,32,35	1.00	1 (4%)
54	5MU	2w	54	54	19,22,23	1.46	4 (21%)	27,32,35	1.62	5 (18%)
1	PSU	2A	1911	1	18,21,22	1.39	3 (16%)	21,30,33	1.94	3 (14%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	0.92	1 (4%)
32	MA6	2a	1518	32	19,26,27	1.03	2 (10%)	18,38,41	1.93	3 (16%)
54	PSU	2w	32	54	18,21,22	1.37	2 (11%)	21,30,33	1.88	3 (14%)
32	5MC	2a	967	32	19,22,23	1.72	3 (15%)	26,32,35	1.14	3 (11%)
56	FME	1z	1	56	8,9,10	0.99	0	8,9,11	0.70	0
32	2MG	2a	1207	32,57	18,26,27	0.94	1 (5%)	16,38,41	1.52	4 (25%)
54	5MU	1w	54	54	19,22,23	1.40	4 (21%)	27,32,35	1.95	7 (25%)
1	2MA	1A	2503	1,57	18,25,26	0.69	0	20,37,40	2.10	6 (30%)
54	G7M	2w	46	54	20,26,27	1.16	1 (5%)	16,39,42	1.00	1 (6%)
54	PSU	2y	55	54	18,21,22	1.38	2 (11%)	21,30,33	1.91	4 (19%)
1	5MC	1A	1942	1	19,22,23	1.67	3 (15%)	26,32,35	1.14	3 (11%)
54	G7M	2y	46	54	20,26,27	1.37	2 (10%)	16,39,42	0.58	0
54	4SU	2w	8	54	18,21,22	1.81	5 (27%)	25,30,33	2.11	5 (20%)
32	MA6	1a	1518	32	19,26,27	1.02	2 (10%)	18,38,41	1.83	3 (16%)
32	5MC	2a	1400	32	19,22,23	1.68	3 (15%)	26,32,35	1.18	2 (7%)
1	5MU	1A	1939	1,57	19,22,23	1.56	6 (31%)	27,32,35	2.24	5 (18%)
1	OMG	2A	2251	55,1,57	19,26,27	0.94	1 (5%)	21,38,41	1.24	4 (19%)
1	2MA	2A	2503	1,57	18,25,26	0.71	0	20,37,40	1.90	4 (20%)
32	5MC	1a	1400	32	19,22,23	1.54	3 (15%)	26,32,35	1.15	3 (11%)
32	G7M	1a	527	32,57	20,26,27	1.22	2 (10%)	16,39,42	0.62	0
54	MIA	1w	37	54	24,31,32	2.12	4 (16%)	22,44,47	2.16	6 (27%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
55	5MC	2x	32	55	19,22,23	1.55	3 (15%)	26,32,35	1.14	3 (11%)
1	5MC	2A	1962	1,57	19,22,23	1.56	3 (15%)	26,32,35	1.21	2 (7%)
1	5MC	1A	1962	1,57	19,22,23	1.69	3 (15%)	26,32,35	0.99	2 (7%)
1	PSU	2A	2605	1	18,21,22	1.43	3 (16%)	21,30,33	2.11	5 (23%)
32	5MC	1a	1404	32	19,22,23	1.67	3 (15%)	26,32,35	1.10	2 (7%)
55	PSU	1x	55	55	18,21,22	1.35	2 (11%)	21,30,33	2.05	3 (14%)
1	OMC	2A	1920	1	19,22,23	0.79	0	25,31,34	0.98	1 (4%)
32	UR3	1a	1498	32	19,22,23	1.07	1 (5%)	26,32,35	1.76	4 (15%)
54	PSU	1y	39	54	18,21,22	1.38	2 (11%)	21,30,33	1.85	4 (19%)
32	M2G	2a	966	32	20,27,28	1.42	3 (15%)	19,40,43	0.95	1 (5%)
55	5MU	2x	54	55	19,22,23	1.43	5 (26%)	27,32,35	2.08	6 (22%)
43	0TD	1l	92	43	8,9,10	4.46	1 (12%)	6,11,13	4.45	2 (33%)
55	8AN	1x	76	55,57	17,24,25	1.19	2 (11%)	13,35,38	3.18	3 (23%)
32	MA6	1a	1519	32	19,26,27	1.02	1 (5%)	18,38,41	2.10	3 (16%)
32	5MC	2a	1404	32	19,22,23	1.74	3 (15%)	26,32,35	1.19	3 (11%)
1	OMU	1A	2552	1,57	19,22,23	1.18	3 (15%)	25,31,34	1.85	5 (20%)
54	PSU	1w	39	54	18,21,22	1.26	2 (11%)	21,30,33	2.06	4 (19%)
54	G7M	1y	46	54	20,26,27	1.28	2 (10%)	16,39,42	0.55	0
54	5MU	1y	54	54	19,22,23	1.45	4 (21%)	27,32,35	1.94	6 (22%)
32	G7M	2a	527	32	20,26,27	1.18	2 (10%)	16,39,42	0.57	0
43	0TD	2l	92	43	8,9,10	4.51	1 (12%)	6,11,13	4.08	1 (16%)
32	M2G	1a	966	32	20,27,28	1.38	3 (15%)	19,40,43	1.04	2 (10%)
55	8AN	2x	76	58,55,57	17,24,25	1.09	2 (11%)	13,35,38	4.07	3 (23%)
54	MIA	1y	37	54	17,24,32	1.00	1 (5%)	16,35,47	1.28	2 (12%)
1	PSU	1A	1911	1	18,21,22	1.44	4 (22%)	21,30,33	2.15	3 (14%)
1	5MU	1A	1915	1	19,22,23	1.41	6 (31%)	27,32,35	2.08	6 (22%)
55	5MU	1x	54	55	19,22,23	1.38	5 (26%)	27,32,35	1.91	7 (25%)
54	4SU	1w	8	54	18,21,22	1.90	5 (27%)	25,30,33	1.74	5 (20%)
1	5MU	2A	1939	1	19,22,23	1.46	6 (31%)	27,32,35	2.25	6 (22%)
1	PSU	1A	2605	1,57	18,21,22	1.35	3 (16%)	21,30,33	2.02	3 (14%)
32	UR3	2a	1498	32,57	19,22,23	1.11	2 (10%)	26,32,35	1.76	4 (15%)
1	OMC	1A	1920	1	19,22,23	0.82	0	25,31,34	1.12	2 (8%)
54	PSU	1w	55	54	18,21,22	1.36	2 (11%)	21,30,33	1.97	3 (14%)
1	OMG	1A	2251	55,1,57	19,26,27	0.97	1 (5%)	21,38,41	1.01	2 (9%)
56	FME	2z	1	56	8,9,10	0.98	0	8,9,11	1.05	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
54	PSU	1y	55	54	18,21,22	1.35	2 (11%)	21,30,33	2.06	3 (14%)
54	PSU	2y	39	54	18,21,22	1.36	2 (11%)	21,30,33	1.73	4 (19%)
55	4SU	1x	8	55	18,21,22	2.19	5 (27%)	25,30,33	1.78	6 (24%)
55	4SU	2x	8	55	18,21,22	2.23	6 (33%)	25,30,33	1.77	5 (20%)
54	MIA	2y	37	54	17,24,32	1.00	1 (5%)	16,35,47	1.29	2 (12%)
54	PSU	2y	32	54	18,21,22	1.38	2 (11%)	21,30,33	1.97	4 (19%)
1	PSU	1A	1917	1	18,21,22	1.46	3 (16%)	21,30,33	2.12	5 (23%)
32	MA6	2a	1519	32	19,26,27	1.03	2 (10%)	18,38,41	1.93	3 (16%)
32	5MC	1a	1407	32	19,22,23	1.56	2 (10%)	26,32,35	1.17	3 (11%)
54	5MU	2y	54	54	19,22,23	1.51	5 (26%)	27,32,35	1.77	7 (25%)
1	5MC	2A	1942	1	19,22,23	1.70	2 (10%)	26,32,35	1.14	2 (7%)
1	PSU	2A	1917	1	18,21,22	1.42	3 (16%)	21,30,33	2.09	4 (19%)
54	PSU	2w	39	54	18,21,22	1.38	2 (11%)	21,30,33	1.57	3 (14%)
54	MIA	2w	37	53,54	19,27,32	2.05	2 (10%)	18,39,47	2.72	4 (22%)
32	5MC	1a	967	32	19,22,23	1.66	3 (15%)	26,32,35	1.12	2 (7%)
54	4SU	1y	8	54	18,21,22	1.77	6 (33%)	25,30,33	2.08	4 (16%)
54	PSU	1w	32	54	18,21,22	1.32	2 (11%)	21,30,33	1.93	3 (14%)
55	5MC	1x	32	55	19,22,23	1.63	3 (15%)	26,32,35	1.17	2 (7%)
32	2MG	1a	1207	32	18,26,27	0.99	1 (5%)	16,38,41	1.54	5 (31%)
54	PSU	1y	32	54	18,21,22	1.34	2 (11%)	21,30,33	2.00	4 (19%)

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
1	5MU	2A	1915	1,57	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32,57	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
54	G7M	1w	46	54	-	2/3/25/26	0/3/3/3
32	PSU	1a	516	32,57	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	1,57	-	0/9/27/28	0/2/2/2
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32,57	-	1/9/29/30	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	1/9/29/30	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
56	FME	1z	1	56	-	4/7/9/11	-
32	2MG	2a	1207	32,57	-	0/5/27/28	0/3/3/3
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	1,57	-	1/3/25/26	0/3/3/3
54	G7M	2w	46	54	-	1/3/25/26	0/3/3/3
54	PSU	2y	55	54	-	5/7/25/26	0/2/2/2
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
54	G7M	2y	46	54	-	0/3/25/26	0/3/3/3
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
1	5MU	1A	1939	1,57	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	55,1,57	-	0/5/27/28	0/3/3/3
1	2MA	2A	2503	1,57	-	1/3/25/26	0/3/3/3
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
32	G7M	1a	527	32,57	-	2/3/25/26	0/3/3/3
54	MIA	1w	37	54	-	1/11/33/34	0/3/3/3
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,57	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	1,57	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	1/9/27/28	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/7/12/14	-
55	8AN	1x	76	55,57	-	3/3/25/26	0/3/3/3
32	MA6	1a	1519	32	-	2/7/29/30	0/3/3/3
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
1	OMU	1A	2552	1,57	-	0/9/27/28	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
54	G7M	1y	46	54	-	2/3/25/26	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	5MU	1y	54	54	-	0/7/25/26	0/2/2/2
32	G7M	2a	527	32	-	3/3/25/26	0/3/3/3
43	0TD	2l	92	43	-	2/7/12/14	-
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
55	8AN	2x	76	58,55,57	-	3/3/25/26	0/3/3/3
54	MIA	1y	37	54	-	0/3/25/34	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	1,57	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32,57	-	0/7/25/26	0/2/2/2
1	OMC	1A	1920	1	-	2/9/27/28	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	55,1,57	-	0/5/27/28	0/3/3/3
56	FME	2z	1	56	-	1/7/9/11	-
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	0/3/25/34	0/3/3/3
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	5MU	2y	54	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	1/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	53,54	-	4/7/29/34	0/3/3/3
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	54	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2

The worst 5 of 222 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.35	1.69	1.82
43	1l	92	0TD	CB-SB	-12.14	1.70	1.82
54	2w	37	MIA	C2-S10	-7.90	1.69	1.75
54	1w	37	MIA	C13-C14	7.07	1.53	1.32
32	2a	1404	5MC	C5-C4	6.38	1.48	1.44

The worst 5 of 293 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
54	2w	37	MIA	C11-S10-C2	-10.36	94.48	102.25
55	2x	76	8AN	O4'-C1'-N9	-10.28	95.12	108.75
43	1l	92	0TD	CSB-SB-CB	10.24	120.77	102.36
43	2l	92	0TD	CSB-SB-CB	-9.64	85.04	102.36
55	1x	76	8AN	C4'-O4'-C1'	-8.79	101.88	109.92

There are no chirality outliers.

5 of 53 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1400	5MC	O4'-C4'-C5'-O5'
54	1w	37	MIA	C12-C13-C14-C15
54	1y	46	G7M	C4'-C5'-O5'-P
32	2a	1519	MA6	O4'-C4'-C5'-O5'
54	2w	37	MIA	C5-C6-N6-C12

There are no ring outliers.

45 monomers are involved in 64 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	2A	1915	5MU	1	0
55	2x	55	PSU	2	0
54	1w	46	G7M	1	0
1	2A	2552	OMU	1	0
32	2a	1402	4OC	4	0
32	1a	1402	4OC	2	0
32	2a	1518	MA6	1	0
32	2a	967	5MC	3	0
54	2w	46	G7M	1	0
54	2y	55	PSU	6	0
1	1A	1942	5MC	1	0
54	2y	46	G7M	1	0
32	1a	1518	MA6	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	1400	5MC	2	0
1	1A	1939	5MU	1	0
1	2A	2251	OMG	1	0
1	2A	2503	2MA	1	0
32	1a	1400	5MC	1	0
54	1w	37	MIA	2	0
1	2A	2605	PSU	1	0
1	2A	1920	OMC	1	0
54	1y	39	PSU	2	0
32	2a	966	M2G	2	0
43	1l	92	0TD	1	0
55	1x	76	8AN	2	0
32	1a	1519	MA6	2	0
32	2a	1404	5MC	1	0
1	1A	2552	OMU	2	0
54	1y	46	G7M	1	0
43	2l	92	0TD	1	0
32	1a	966	M2G	1	0
55	2x	76	8AN	2	0
54	1y	37	MIA	1	0
1	1A	1915	5MU	1	0
54	1w	8	4SU	1	0
1	2A	1939	5MU	1	0
54	1y	55	PSU	1	0
55	1x	8	4SU	2	0
54	2y	37	MIA	1	0
1	1A	1917	PSU	1	0
32	2a	1519	MA6	3	0
54	2w	39	PSU	1	0
54	2w	37	MIA	2	0
32	1a	967	5MC	1	0
54	1y	8	4SU	2	0

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2731 ligands modelled in this entry, 2727 are monoatomic - leaving 4 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	$\#\|Z\| > 2$
61	SF4	2d	303	35	0,12,12	-	-	-		
59	ERY	2A	3857	-	53,53,53	0.93	1 (1%)	82,82,82	1.49	15 (18%)
59	ERY	1A	4087	-	53,53,53	0.95	1 (1%)	82,82,82	1.72	17 (20%)
61	SF4	1d	302	35	0,12,12	-	-	-		

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
61	SF4	2d	303	35	-	-	0/6/5/5
59	ERY	2A	3857	-	-	19/72/107/107	0/3/3/3
59	ERY	1A	4087	-	-	15/72/107/107	0/3/3/3
61	SF4	1d	302	35	-	-	0/6/5/5

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	1A	4087	ERY	O2-C1	5.17	1.46	1.34
59	2A	3857	ERY	O2-C1	4.97	1.45	1.34

The worst 5 of 32 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
59	1A	4087	ERY	C15-C16-C17	4.64	115.58	107.64
59	1A	4087	ERY	O5-C16-C15	-4.23	106.44	112.95
59	1A	4087	ERY	O7-C5-C4	-4.20	105.50	111.58
59	1A	4087	ERY	C6-C5-C4	-4.19	107.81	113.89
59	2A	3857	ERY	O5-C16-C15	-3.98	106.83	112.95

There are no chirality outliers.

5 of 34 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
59	1A	4087	ERY	C17-C16-O5-C20
59	1A	4087	ERY	C19-C16-O5-C20
59	2A	3857	ERY	C9-C10-C11-C12
59	2A	3857	ERY	C9-C10-C11-O12
59	2A	3857	ERY	C34-C10-C11-C12

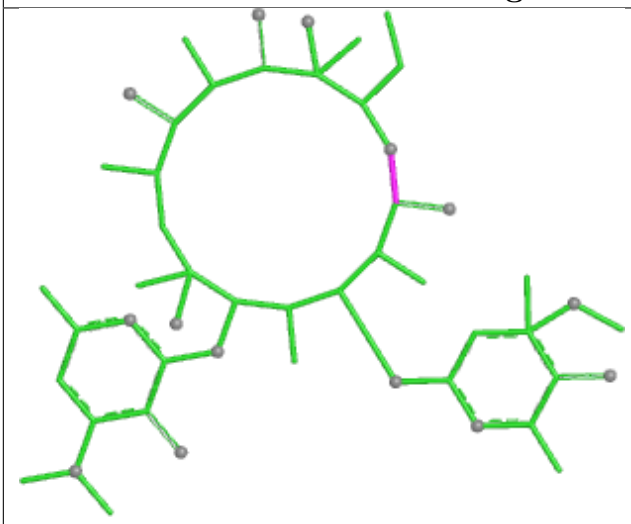
There are no ring outliers.

4 monomers are involved in 16 short contacts:

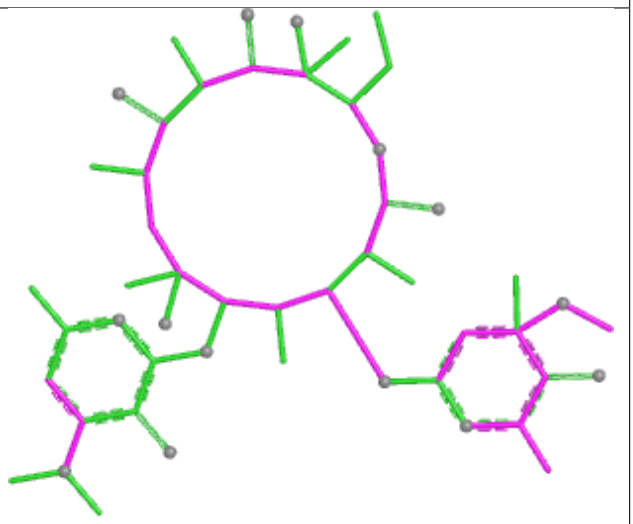
Mol	Chain	Res	Type	Clashes	Symm-Clashes
61	2d	303	SF4	2	0
59	2A	3857	ERY	4	0
59	1A	4087	ERY	9	0
61	1d	302	SF4	1	0

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

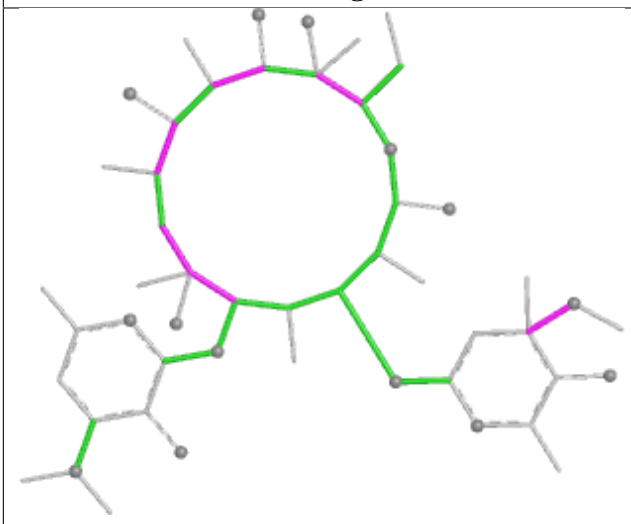
Ligand ERY 2A 3857



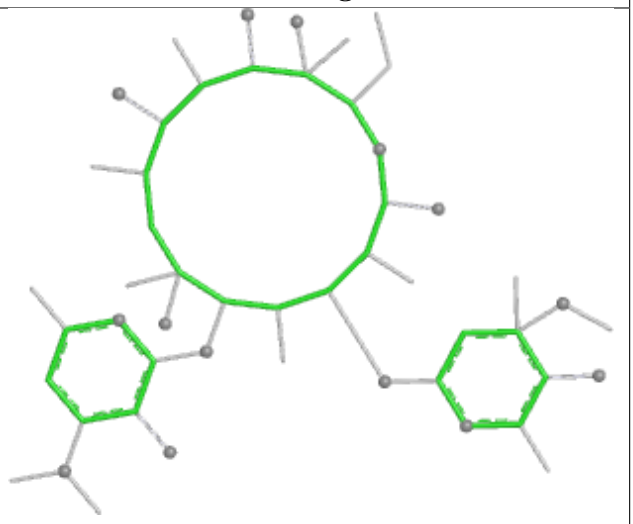
Bond lengths



Bond angles

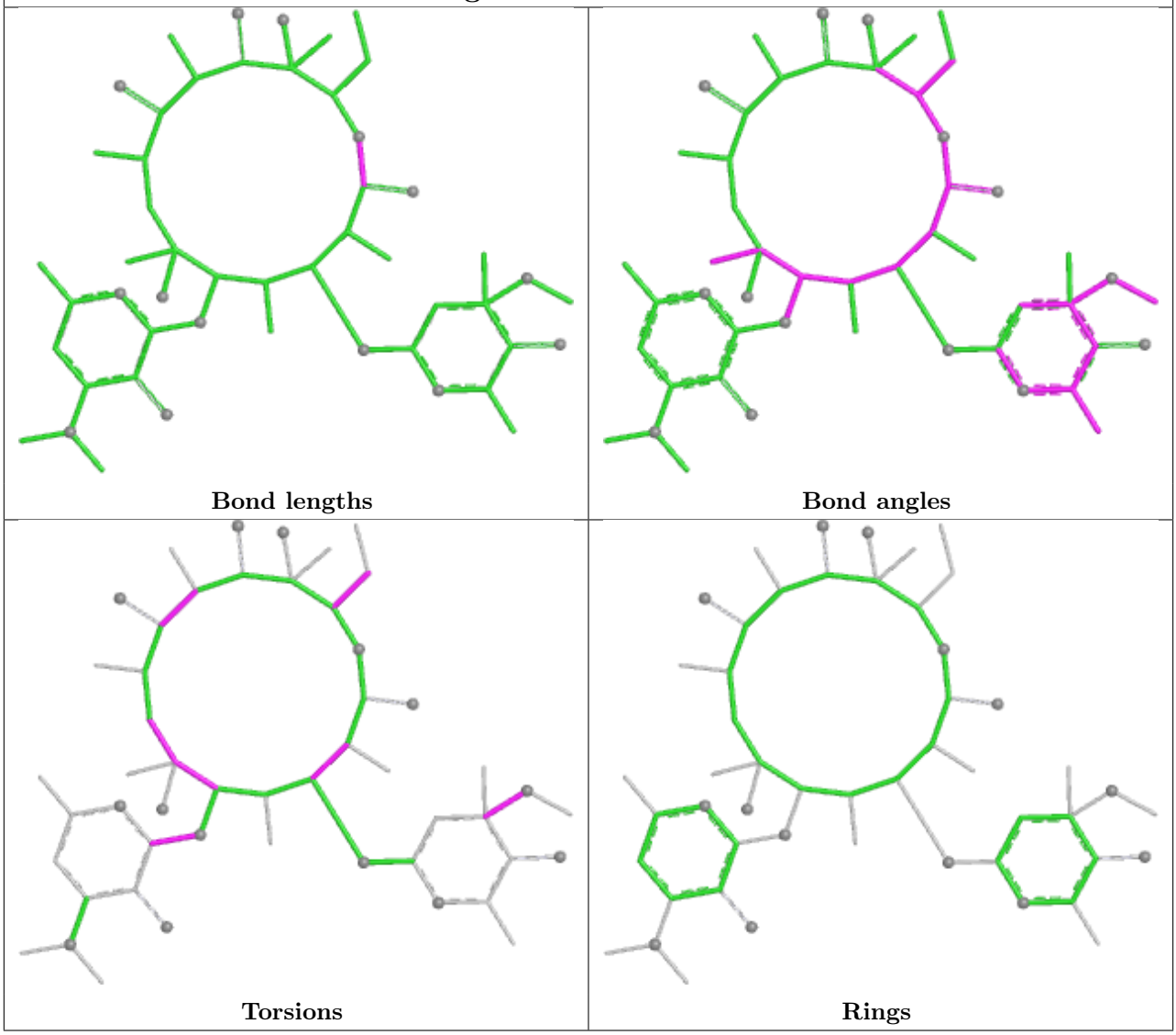


Torsions



Rings

Ligand ERY 1A 4087



5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 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	1A	2860/2915 (98%)	-0.60	52 (1%) 67 68	19, 37, 92, 108	0
1	2A	2789/2915 (95%)	-0.19	44 (1%) 70 71	32, 56, 91, 105	0
2	1B	120/121 (99%)	-0.54	0 100 100	31, 50, 64, 83	0
2	2B	120/121 (99%)	0.50	2 (1%) 69 70	57, 77, 86, 91	0
3	1D	275/276 (99%)	-0.28	2 (0%) 84 85	19, 36, 51, 71	0
3	2D	275/276 (99%)	0.14	4 (1%) 71 73	29, 50, 62, 75	0
4	1E	204/206 (99%)	-0.14	1 (0%) 87 89	20, 44, 63, 79	0
4	2E	204/206 (99%)	0.08	1 (0%) 87 89	29, 56, 69, 81	0
5	1F	202/210 (96%)	-0.26	1 (0%) 87 89	19, 43, 65, 84	0
5	2F	202/210 (96%)	0.22	4 (1%) 64 65	34, 67, 80, 85	0
6	1G	181/182 (99%)	0.21	2 (1%) 77 80	39, 57, 74, 88	0
6	2G	181/182 (99%)	0.93	15 (8%) 19 22	66, 78, 86, 89	0
7	1H	174/180 (96%)	0.04	0 100 100	39, 54, 67, 75	0
7	2H	174/180 (96%)	0.80	9 (5%) 34 35	62, 80, 87, 95	0
8	1I	146/148 (98%)	0.35	3 (2%) 63 64	39, 70, 80, 84	0
8	2I	146/148 (98%)	0.81	9 (6%) 28 30	57, 74, 84, 87	0
9	1N	140/140 (100%)	-0.12	0 100 100	28, 45, 61, 79	0
9	2N	140/140 (100%)	0.51	4 (2%) 54 55	44, 63, 75, 83	0
10	1O	122/122 (100%)	-0.25	0 100 100	28, 42, 60, 67	0
10	2O	122/122 (100%)	0.23	1 (0%) 82 84	37, 55, 68, 72	0
11	1P	149/150 (99%)	-0.05	0 100 100	21, 43, 67, 75	0
11	2P	149/150 (99%)	0.29	3 (2%) 64 65	36, 66, 82, 87	0
12	1Q	141/141 (100%)	-0.19	0 100 100	27, 42, 55, 73	0
12	2Q	141/141 (100%)	0.67	8 (5%) 30 33	46, 64, 74, 80	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.24	0 100 100	29, 38, 51, 60	0
13	2R	118/118 (100%)	-0.02	0 100 100	37, 50, 60, 69	0
14	1S	110/112 (98%)	0.00	0 100 100	38, 49, 60, 65	0
14	2S	110/112 (98%)	0.87	9 (8%) 19 22	60, 70, 78, 82	0
15	1T	131/146 (89%)	0.03	3 (2%) 61 61	35, 49, 71, 80	0
15	2T	131/146 (89%)	0.28	1 (0%) 82 84	45, 57, 73, 83	0
16	1U	116/118 (98%)	-0.20	2 (1%) 69 70	24, 37, 55, 73	0
16	2U	116/118 (98%)	0.19	1 (0%) 81 83	43, 58, 73, 78	0
17	1V	101/101 (100%)	-0.12	0 100 100	23, 48, 62, 72	0
17	2V	101/101 (100%)	0.46	1 (0%) 79 82	46, 70, 78, 82	0
18	1W	112/113 (99%)	-0.35	1 (0%) 81 83	27, 38, 56, 76	0
18	2W	112/113 (99%)	0.21	0 100 100	38, 50, 67, 93	0
19	1X	95/96 (98%)	-0.28	0 100 100	28, 38, 55, 71	0
19	2X	95/96 (98%)	0.38	1 (1%) 77 80	41, 58, 71, 76	0
20	1Y	107/110 (97%)	0.14	1 (0%) 81 83	35, 50, 68, 75	0
20	2Y	107/110 (97%)	0.79	4 (3%) 45 47	60, 72, 80, 86	0
21	1Z	154/206 (74%)	0.16	5 (3%) 50 52	42, 63, 82, 90	0
21	2Z	160/206 (77%)	0.97	21 (13%) 8 11	67, 79, 89, 99	0
22	10	83/85 (97%)	-0.13	2 (2%) 59 60	28, 37, 56, 64	0
22	20	83/85 (97%)	0.85	7 (8%) 18 21	47, 61, 70, 81	0
23	11	97/98 (98%)	0.01	1 (1%) 79 82	23, 43, 65, 70	0
23	21	97/98 (98%)	0.48	3 (3%) 51 53	38, 56, 73, 76	0
24	12	70/72 (97%)	0.02	1 (1%) 73 75	34, 47, 57, 71	0
24	22	70/72 (97%)	0.66	3 (4%) 40 42	58, 68, 75, 77	0
25	13	59/60 (98%)	-0.23	0 100 100	29, 41, 65, 78	0
25	23	59/60 (98%)	0.26	0 100 100	52, 65, 78, 83	0
26	14	69/71 (97%)	0.42	3 (4%) 40 42	50, 73, 87, 93	0
26	24	69/71 (97%)	0.81	7 (10%) 14 16	75, 85, 93, 96	0
27	15	59/60 (98%)	-0.35	0 100 100	21, 42, 64, 74	0
27	25	59/60 (98%)	0.04	1 (1%) 69 70	34, 51, 70, 80	0
28	16	53/54 (98%)	-0.15	0 100 100	31, 40, 53, 59	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/54 (98%)	0.49	0 100 100	49, 59, 66, 73	0
29	17	48/49 (97%)	-0.55	0 100 100	21, 27, 46, 54	0
29	27	48/49 (97%)	-0.07	1 (2%) 63 64	32, 41, 60, 67	0
30	18	64/65 (98%)	-0.22	1 (1%) 70 71	28, 33, 42, 55	0
30	28	64/65 (98%)	0.38	1 (1%) 70 71	42, 54, 64, 71	0
31	19	37/37 (100%)	0.02	0 100 100	34, 42, 55, 64	0
31	29	37/37 (100%)	0.92	3 (8%) 19 22	57, 66, 76, 78	0
32	1a	1488/1521 (97%)	-0.05	14 (0%) 81 83	34, 63, 90, 107	0
32	2a	1491/1521 (98%)	0.36	49 (3%) 49 51	51, 76, 94, 109	0
33	1b	231/256 (90%)	0.83	26 (11%) 11 13	61, 76, 84, 94	0
33	2b	231/256 (90%)	1.18	37 (16%) 6 7	72, 84, 90, 93	0
34	1c	206/239 (86%)	0.42	4 (1%) 66 67	54, 66, 77, 87	0
34	2c	206/239 (86%)	1.12	32 (15%) 6 7	68, 83, 88, 93	0
35	1d	208/209 (99%)	0.33	2 (0%) 79 82	51, 64, 75, 81	0
35	2d	208/209 (99%)	0.81	14 (6%) 25 28	63, 72, 81, 86	0
36	1e	148/162 (91%)	0.24	1 (0%) 84 85	47, 61, 73, 86	0
36	2e	148/162 (91%)	0.83	10 (6%) 25 28	64, 77, 83, 87	0
37	1f	100/101 (99%)	0.31	1 (1%) 79 82	47, 60, 75, 77	0
37	2f	100/101 (99%)	0.32	0 100 100	60, 69, 78, 86	0
38	1g	155/156 (99%)	0.46	10 (6%) 26 29	54, 67, 79, 86	0
38	2g	155/156 (99%)	0.76	13 (8%) 18 21	69, 79, 87, 94	0
39	1h	137/138 (99%)	0.33	3 (2%) 62 62	56, 65, 73, 78	0
39	2h	137/138 (99%)	0.94	10 (7%) 22 26	67, 77, 84, 89	0
40	1i	127/128 (99%)	0.68	3 (2%) 59 60	52, 72, 81, 87	0
40	2i	127/128 (99%)	1.68	43 (33%) 1 1	70, 83, 90, 93	0
41	1j	97/105 (92%)	0.70	3 (3%) 51 53	51, 73, 84, 91	0
41	2j	96/105 (91%)	1.32	19 (19%) 3 4	72, 83, 89, 93	0
42	1k	114/129 (88%)	0.16	1 (0%) 81 83	40, 63, 74, 82	0
42	2k	114/129 (88%)	0.97	14 (12%) 9 12	63, 74, 80, 85	0
43	1l	121/132 (91%)	0.03	4 (3%) 49 51	40, 51, 64, 71	0
43	2l	121/132 (91%)	0.43	3 (2%) 58 59	46, 65, 74, 81	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	123/126 (97%)	0.41	6 (4%) 36 38	49, 65, 76, 93	0
44	2m	122/126 (96%)	1.11	18 (14%) 7 8	72, 81, 88, 91	0
45	1n	60/61 (98%)	0.54	1 (1%) 69 70	52, 61, 68, 69	0
45	2n	60/61 (98%)	1.97	28 (46%) 0 0	74, 82, 88, 89	0
46	1o	88/89 (98%)	0.46	3 (3%) 48 50	47, 60, 71, 76	0
46	2o	88/89 (98%)	0.67	2 (2%) 61 61	60, 72, 80, 83	0
47	1p	82/88 (93%)	0.81	4 (4%) 36 38	57, 66, 74, 79	0
47	2p	82/88 (93%)	0.74	3 (3%) 45 47	56, 65, 75, 77	0
48	1q	99/105 (94%)	0.87	4 (4%) 43 44	53, 66, 76, 81	0
48	2q	99/105 (94%)	0.82	6 (6%) 28 31	64, 72, 80, 86	0
49	1r	68/88 (77%)	0.25	1 (1%) 71 73	49, 63, 75, 77	0
49	2r	68/88 (77%)	0.39	0 100 100	63, 74, 83, 85	0
50	1s	83/93 (89%)	0.19	0 100 100	54, 66, 76, 81	0
50	2s	83/93 (89%)	1.29	15 (18%) 4 5	75, 83, 90, 93	0
51	1t	96/106 (90%)	0.62	5 (5%) 34 35	55, 66, 78, 89	0
51	2t	96/106 (90%)	0.61	2 (2%) 63 64	54, 65, 82, 85	0
52	1u	23/27 (85%)	0.73	1 (4%) 40 42	57, 64, 71, 72	0
52	2u	23/27 (85%)	1.72	9 (39%) 1 1	75, 78, 83, 87	0
53	1v	13/24 (54%)	0.19	1 (7%) 21 24	42, 57, 82, 91	0
53	2v	13/24 (54%)	1.47	3 (23%) 2 3	72, 79, 92, 94	0
54	1w	67/76 (88%)	0.65	5 (7%) 22 24	34, 90, 98, 109	0
54	1y	67/76 (88%)	0.40	2 (2%) 52 54	38, 90, 98, 102	0
54	2w	65/76 (85%)	0.76	6 (9%) 16 18	52, 92, 100, 103	0
54	2y	66/76 (86%)	0.71	3 (4%) 39 40	50, 96, 101, 104	0
55	1x	72/77 (93%)	-0.02	0 100 100	29, 61, 79, 84	0
55	2x	72/77 (93%)	0.36	0 100 100	44, 78, 88, 91	0
56	1z	2/3 (66%)	0.01	0 100 100	35, 35, 35, 38	0
56	2z	2/3 (66%)	0.46	0 100 100	48, 48, 48, 52	0
All	All	20877/21754 (95%)	0.15	693 (3%) 49 51	19, 62, 88, 109	0

The worst 5 of 693 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	1m	124	PRO	7.4
44	2m	124	PRO	7.2
44	2m	123	ALA	6.7
23	21	2	SER	6.7
44	2m	122	LYS	6.6

6.2 Non-standard residues in protein, DNA, RNA chains (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
54	G7M	2y	46	24/25	0.57	0.15	90,98,107,119	0
54	G7M	1w	46	24/25	0.63	0.12	83,92,104,119	0
54	PSU	1y	55	20/21	0.66	0.13	87,97,107,116	0
54	PSU	2y	55	20/21	0.66	0.14	84,95,107,111	0
54	G7M	1y	46	24/25	0.67	0.12	87,93,102,111	0
54	G7M	2w	46	24/25	0.69	0.12	83,93,106,120	0
54	PSU	2w	55	20/21	0.72	0.11	79,89,96,103	0
54	4SU	2y	8	20/21	0.73	0.13	90,99,108,111	0
54	MIA	2y	37	22/30	0.75	0.15	87,92,98,108	0
54	4SU	2w	8	20/21	0.75	0.11	89,95,108,109	0
54	5MU	2y	54	21/22	0.75	0.15	85,90,102,117	0
54	5MU	1y	54	21/22	0.75	0.14	82,93,102,114	0
54	4SU	1w	8	20/21	0.76	0.10	87,93,101,103	0
54	5MU	2w	54	21/22	0.76	0.12	73,81,85,96	0
54	MIA	1y	37	22/30	0.78	0.11	69,83,100,110	0
54	PSU	2y	32	20/21	0.79	0.14	86,90,97,103	0
54	PSU	2y	39	20/21	0.81	0.14	84,90,98,102	0
54	4SU	1y	8	20/21	0.81	0.09	88,94,103,104	0
32	2MG	2a	1207	24/25	0.83	0.13	81,89,99,109	0
54	PSU	1w	55	20/21	0.83	0.10	76,85,92,94	0
55	4SU	2x	8	20/21	0.86	0.10	74,78,81,86	0
55	PSU	2x	55	20/21	0.87	0.10	70,77,88,94	0
54	PSU	1w	32	20/21	0.87	0.13	61,74,77,78	0
54	PSU	1y	32	20/21	0.88	0.09	74,80,91,97	0
32	M2G	2a	966	25/26	0.88	0.16	63,74,87,94	0
54	PSU	2w	39	20/21	0.88	0.12	73,83,91,93	0
32	PSU	2a	516	20/21	0.89	0.09	63,73,85,88	0
54	PSU	1y	39	20/21	0.89	0.08	74,81,85,87	0
54	PSU	2w	32	20/21	0.89	0.12	73,83,89,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
32	5MC	2a	967	21/22	0.89	0.13	70,77,82,88	0
55	5MU	2x	54	21/22	0.90	0.10	79,82,86,93	0
54	5MU	1w	54	21/22	0.90	0.09	63,74,83,85	0
55	5MU	1x	54	21/22	0.90	0.10	59,67,72,75	0
54	MIA	1w	37	29/30	0.91	0.15	49,63,78,88	0
1	5MU	2A	1915	21/22	0.91	0.09	66,71,76,82	0
55	5MC	2x	32	21/22	0.92	0.12	69,74,79,80	0
32	G7M	2a	527	24/25	0.92	0.11	58,63,69,74	0
32	5MC	2a	1400	21/22	0.92	0.15	68,74,79,81	0
54	MIA	2w	37	25/30	0.92	0.10	64,76,84,92	0
43	0TD	2l	92	10/11	0.92	0.12	61,63,71,79	0
1	PSU	2A	1917	20/21	0.93	0.08	58,64,72,74	0
55	PSU	1x	55	20/21	0.93	0.08	56,59,70,71	0
32	5MC	2a	1407	21/22	0.94	0.10	50,62,65,68	0
32	UR3	2a	1498	21/22	0.94	0.11	51,59,66,71	0
32	MA6	2a	1519	24/25	0.94	0.13	60,67,74,77	0
55	4SU	1x	8	20/21	0.94	0.09	51,57,64,77	0
32	PSU	1a	516	20/21	0.94	0.10	52,57,61,63	0
1	PSU	2A	1911	20/21	0.94	0.09	42,59,66,66	0
1	5MU	1A	1915	21/22	0.94	0.08	43,51,55,59	0
54	PSU	1w	39	20/21	0.94	0.08	67,71,74,87	0
1	5MC	2A	1962	21/22	0.94	0.11	44,54,58,73	0
32	4OC	2a	1402	22/23	0.94	0.10	59,70,73,73	0
32	5MC	2a	1404	21/22	0.94	0.10	52,64,70,74	0
56	FME	1z	1	10/11	0.94	0.15	37,49,52,63	0
1	OMC	2A	1920	21/22	0.95	0.08	54,60,62,63	0
32	2MG	1a	1207	24/25	0.95	0.09	57,65,68,77	0
55	5MC	1x	32	21/22	0.95	0.09	38,45,52,57	0
56	FME	2z	1	10/11	0.95	0.14	52,55,58,58	0
32	4OC	1a	1402	22/23	0.96	0.09	43,48,52,58	0
43	0TD	1l	92	10/11	0.96	0.08	34,44,50,51	0
1	PSU	1A	1917	20/21	0.96	0.08	36,47,51,52	0
1	5MC	2A	1942	21/22	0.96	0.09	42,58,62,69	0
32	M2G	1a	966	25/26	0.96	0.10	46,51,56,57	0
1	OMU	2A	2552	21/22	0.96	0.09	35,39,48,49	0
32	5MC	1a	967	21/22	0.96	0.09	44,55,61,68	0
32	MA6	2a	1518	24/25	0.96	0.09	57,65,70,73	0
1	5MC	1A	1942	21/22	0.96	0.08	33,39,43,54	0
32	5MC	1a	1400	21/22	0.96	0.10	37,42,49,56	0
32	5MC	1a	1407	21/22	0.97	0.08	26,40,45,48	0
55	8AN	1x	76	22/23	0.97	0.08	25,33,41,43	0
55	8AN	2x	76	22/23	0.97	0.09	40,44,49,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
32	MA6	1a	1518	24/25	0.97	0.09	32,41,45,48	0
32	MA6	1a	1519	24/25	0.97	0.08	36,43,48,56	0
32	G7M	1a	527	24/25	0.97	0.07	38,44,50,56	0
1	5MU	2A	1939	21/22	0.97	0.07	34,38,44,45	0
1	5MC	1A	1962	21/22	0.97	0.07	27,34,40,46	0
1	OMC	1A	1920	21/22	0.97	0.07	34,40,46,50	0
1	OMG	2A	2251	24/25	0.97	0.07	33,39,44,46	0
32	5MC	1a	1404	21/22	0.97	0.09	28,40,43,51	0
1	PSU	2A	2605	20/21	0.97	0.07	30,38,46,47	0
1	PSU	1A	1911	20/21	0.98	0.06	38,42,46,50	0
1	5MU	1A	1939	21/22	0.98	0.06	23,26,32,35	0
1	OMG	1A	2251	24/25	0.98	0.07	17,26,28,30	0
1	2MA	1A	2503	23/24	0.98	0.05	20,22,26,26	0
32	UR3	1a	1498	21/22	0.98	0.07	36,41,46,51	0
1	2MA	2A	2503	23/24	0.98	0.06	28,34,36,39	0
1	OMU	1A	2552	21/22	0.98	0.06	24,28,32,40	0
1	PSU	1A	2605	20/21	0.99	0.06	18,27,31,34	0

6.3 Carbohydrates (i)

There are no oligosaccharides 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, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1720	1/1	0.51	0.38	82,82,82,82	0
57	MG	1B	232	1/1	0.55	0.16	76,76,76,76	0
57	MG	2A	3772	1/1	0.56	0.15	71,71,71,71	0
57	MG	2A	3710	1/1	0.58	0.17	79,79,79,79	0
57	MG	2A	3434	1/1	0.58	0.21	78,78,78,78	0
57	MG	2A	3576	1/1	0.64	0.18	67,67,67,67	0
57	MG	1A	3589	1/1	0.66	0.27	71,71,71,71	0
57	MG	2A	3273	1/1	0.66	0.22	78,78,78,78	0
57	MG	2a	1738	1/1	0.66	0.25	79,79,79,79	0
57	MG	2a	1800	1/1	0.67	0.25	79,79,79,79	0
57	MG	2A	3678	1/1	0.68	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
57	MG	2A	3203	1/1	0.69	0.27	68,68,68,68	0
57	MG	2a	1647	1/1	0.70	0.21	64,64,64,64	0
57	MG	1w	104	1/1	0.70	0.23	81,81,81,81	0
57	MG	2A	3236	1/1	0.70	0.18	67,67,67,67	0
57	MG	18	105	1/1	0.71	0.20	65,65,65,65	0
57	MG	2A	3643	1/1	0.71	0.34	83,83,83,83	0
57	MG	2A	3655	1/1	0.71	0.18	70,70,70,70	0
57	MG	2A	3569	1/1	0.72	0.19	79,79,79,79	0
57	MG	2A	3107	1/1	0.72	0.17	70,70,70,70	0
57	MG	2A	3199	1/1	0.72	0.24	71,71,71,71	0
57	MG	2A	3340	1/1	0.72	0.18	70,70,70,70	0
57	MG	1A	3749	1/1	0.72	0.21	60,60,60,60	0
57	MG	2A	3200	1/1	0.73	0.25	68,68,68,68	0
57	MG	1A	4070	1/1	0.73	0.36	89,89,89,89	0
57	MG	2y	101	1/1	0.73	0.29	79,79,79,79	0
57	MG	2A	3321	1/1	0.74	0.16	84,84,84,84	0
57	MG	2A	3326	1/1	0.74	0.25	77,77,77,77	0
57	MG	2A	3305	1/1	0.74	0.18	62,62,62,62	0
57	MG	2A	3103	1/1	0.75	0.17	76,76,76,76	0
57	MG	2a	1695	1/1	0.75	0.48	81,81,81,81	0
57	MG	2A	3276	1/1	0.75	0.13	70,70,70,70	0
57	MG	2B	204	1/1	0.75	0.15	77,77,77,77	0
57	MG	2w	101	1/1	0.75	0.28	83,83,83,83	0
57	MG	2B	215	1/1	0.75	0.23	69,69,69,69	0
57	MG	2A	3278	1/1	0.76	0.17	72,72,72,72	0
57	MG	1A	4001	1/1	0.76	0.11	76,76,76,76	0
57	MG	2A	3212	1/1	0.76	0.15	58,58,58,58	0
57	MG	1A	3894	1/1	0.76	0.16	62,62,62,62	0
57	MG	1A	3939	1/1	0.76	0.18	79,79,79,79	0
57	MG	2a	1784	1/1	0.76	0.21	73,73,73,73	0
57	MG	2A	3097	1/1	0.76	0.32	80,80,80,80	0
57	MG	2A	3741	1/1	0.76	0.12	50,50,50,50	0
57	MG	2A	3469	1/1	0.76	0.19	65,65,65,65	0
57	MG	2a	1605	1/1	0.77	0.36	73,73,73,73	0
57	MG	1a	1804	1/1	0.77	0.25	74,74,74,74	0
57	MG	2a	1671	1/1	0.77	0.25	69,69,69,69	0
57	MG	1A	3256	1/1	0.77	0.26	63,63,63,63	0
57	MG	2a	1721	1/1	0.77	0.15	50,50,50,50	0
57	MG	2A	3734	1/1	0.77	0.17	80,80,80,80	0
57	MG	2A	3089	1/1	0.77	0.10	64,64,64,64	0
57	MG	1A	3873	1/1	0.77	0.15	67,67,67,67	0
57	MG	2v	102	1/1	0.77	0.30	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3955	1/1	0.77	0.22	39,39,39,39	0
57	MG	1A	3877	1/1	0.77	0.12	22,22,22,22	0
57	MG	1A	3543	1/1	0.78	0.14	40,40,40,40	0
57	MG	2A	3649	1/1	0.78	0.20	74,74,74,74	0
57	MG	1A	3505	1/1	0.78	0.12	61,61,61,61	0
57	MG	2A	3671	1/1	0.78	0.18	63,63,63,63	0
57	MG	2a	1713	1/1	0.78	0.12	64,64,64,64	0
57	MG	2A	3253	1/1	0.78	0.16	74,74,74,74	0
57	MG	2a	1728	1/1	0.78	0.35	80,80,80,80	0
57	MG	1A	3725	1/1	0.78	0.20	73,73,73,73	0
57	MG	2A	3384	1/1	0.78	0.13	73,73,73,73	0
57	MG	2a	1785	1/1	0.78	0.17	85,85,85,85	0
57	MG	1A	3968	1/1	0.78	0.13	61,61,61,61	0
57	MG	2a	1809	1/1	0.78	0.29	65,65,65,65	0
57	MG	1a	1607	1/1	0.78	0.31	73,73,73,73	0
57	MG	2A	3294	1/1	0.78	0.12	66,66,66,66	0
57	MG	2A	3302	1/1	0.78	0.15	66,66,66,66	0
57	MG	2A	3184	1/1	0.79	0.29	66,66,66,66	0
57	MG	2A	3785	1/1	0.79	0.13	55,55,55,55	0
57	MG	2A	3065	1/1	0.79	0.12	57,57,57,57	0
57	MG	2A	3383	1/1	0.79	0.09	63,63,63,63	0
57	MG	1B	236	1/1	0.79	0.18	76,76,76,76	0
57	MG	2a	1786	1/1	0.79	0.15	66,66,66,66	0
57	MG	1A	3833	1/1	0.79	0.17	70,70,70,70	0
57	MG	1A	3228	1/1	0.79	0.20	66,66,66,66	0
57	MG	2A	3052	1/1	0.79	0.16	73,73,73,73	0
57	MG	2A	3168	1/1	0.79	0.26	77,77,77,77	0
57	MG	2a	1720	1/1	0.79	0.26	55,55,55,55	0
57	MG	2a	1639	1/1	0.80	0.21	76,76,76,76	0
57	MG	2A	3600	1/1	0.80	0.10	74,74,74,74	0
57	MG	1a	1736	1/1	0.80	0.20	65,65,65,65	0
57	MG	1a	1738	1/1	0.80	0.14	74,74,74,74	0
57	MG	2a	1705	1/1	0.80	0.26	78,78,78,78	0
57	MG	1a	1765	1/1	0.80	0.11	58,58,58,58	0
57	MG	1A	3809	1/1	0.80	0.14	48,48,48,48	0
57	MG	1w	101	1/1	0.80	0.17	66,66,66,66	0
57	MG	1A	4074	1/1	0.80	0.18	49,49,49,49	0
57	MG	2A	3382	1/1	0.80	0.12	74,74,74,74	0
57	MG	2a	1783	1/1	0.80	0.15	71,71,71,71	0
57	MG	1A	3347	1/1	0.80	0.19	43,43,43,43	0
57	MG	2A	3754	1/1	0.80	0.12	59,59,59,59	0
57	MG	1A	3947	1/1	0.80	0.19	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1788	1/1	0.80	0.21	72,72,72,72	0
57	MG	1A	3687	1/1	0.80	0.12	57,57,57,57	0
57	MG	2A	3827	1/1	0.80	0.13	45,45,45,45	0
57	MG	2A	3093	1/1	0.80	0.15	58,58,58,58	0
57	MG	1A	3874	1/1	0.80	0.13	46,46,46,46	0
57	MG	1A	3774	1/1	0.80	0.10	20,20,20,20	0
57	MG	2A	3242	1/1	0.81	0.14	57,57,57,57	0
57	MG	2a	1736	1/1	0.81	0.20	69,69,69,69	0
57	MG	1a	1713	1/1	0.81	0.16	50,50,50,50	0
57	MG	2a	1771	1/1	0.81	0.32	77,77,77,77	0
57	MG	1A	3206	1/1	0.81	0.13	67,67,67,67	0
57	MG	2a	1618	1/1	0.81	0.14	61,61,61,61	0
57	MG	2A	3690	1/1	0.81	0.23	77,77,77,77	0
57	MG	2A	3021	1/1	0.81	0.24	72,72,72,72	0
57	MG	2A	3531	1/1	0.81	0.29	65,65,65,65	0
57	MG	1A	3555	1/1	0.81	0.14	46,46,46,46	0
57	MG	2a	1808	1/1	0.81	0.14	64,64,64,64	0
57	MG	2A	3355	1/1	0.81	0.24	73,73,73,73	0
57	MG	2A	3366	1/1	0.81	0.16	74,74,74,74	0
57	MG	2A	3375	1/1	0.81	0.38	66,66,66,66	0
57	MG	2x	102	1/1	0.81	0.10	71,71,71,71	0
57	MG	2A	3188	1/1	0.81	0.11	62,62,62,62	0
57	MG	1A	3860	1/1	0.82	0.09	45,45,45,45	0
57	MG	2a	1744	1/1	0.82	0.29	69,69,69,69	0
57	MG	2B	219	1/1	0.82	0.22	67,67,67,67	0
57	MG	2A	3252	1/1	0.82	0.18	71,71,71,71	0
57	MG	1w	102	1/1	0.82	0.09	69,69,69,69	0
57	MG	1a	1678	1/1	0.82	0.16	59,59,59,59	0
57	MG	2A	3737	1/1	0.82	0.17	49,49,49,49	0
57	MG	1A	3322	1/1	0.82	0.14	53,53,53,53	0
57	MG	1a	1795	1/1	0.82	0.09	75,75,75,75	0
57	MG	2A	3159	1/1	0.82	0.15	70,70,70,70	0
57	MG	2A	3301	1/1	0.82	0.16	71,71,71,71	0
57	MG	1A	4080	1/1	0.82	0.27	57,57,57,57	0
57	MG	2A	3837	1/1	0.82	0.12	74,74,74,74	0
57	MG	2A	3842	1/1	0.82	0.13	54,54,54,54	0
57	MG	2A	3303	1/1	0.82	0.23	60,60,60,60	0
57	MG	2a	1637	1/1	0.83	0.19	65,65,65,65	0
57	MG	2a	1638	1/1	0.83	0.28	70,70,70,70	0
57	MG	2A	3654	1/1	0.83	0.11	82,82,82,82	0
57	MG	1w	103	1/1	0.83	0.18	72,72,72,72	0
57	MG	2a	1654	1/1	0.83	0.20	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1663	1/1	0.83	0.27	63,63,63,63	0
57	MG	1a	1656	1/1	0.83	0.12	64,64,64,64	0
57	MG	1A	3865	1/1	0.83	0.23	45,45,45,45	0
57	MG	1a	1694	1/1	0.83	0.20	78,78,78,78	0
57	MG	2A	3692	1/1	0.83	0.11	69,69,69,69	0
57	MG	2a	1715	1/1	0.83	0.23	61,61,61,61	0
57	MG	1A	3944	1/1	0.83	0.13	60,60,60,60	0
57	MG	2A	3718	1/1	0.83	0.28	63,63,63,63	0
57	MG	2a	1727	1/1	0.83	0.08	60,60,60,60	0
57	MG	1A	3101	1/1	0.83	0.08	50,50,50,50	0
57	MG	1A	3717	1/1	0.83	0.08	62,62,62,62	0
57	MG	1A	3579	1/1	0.83	0.25	65,65,65,65	0
57	MG	2A	3257	1/1	0.83	0.22	63,63,63,63	0
57	MG	2a	1745	1/1	0.83	0.24	73,73,73,73	0
57	MG	2A	3389	1/1	0.83	0.13	46,46,46,46	0
57	MG	2A	3101	1/1	0.83	0.26	58,58,58,58	0
57	MG	2A	3444	1/1	0.83	0.17	68,68,68,68	0
57	MG	1D	311	1/1	0.83	0.15	33,33,33,33	0
57	MG	1a	1778	1/1	0.83	0.17	53,53,53,53	0
57	MG	2A	3850	1/1	0.83	0.23	58,58,58,58	0
57	MG	2A	3134	1/1	0.83	0.25	65,65,65,65	0
57	MG	2a	1803	1/1	0.83	0.21	72,72,72,72	0
57	MG	2B	214	1/1	0.83	0.17	75,75,75,75	0
57	MG	1G	203	1/1	0.83	0.10	54,54,54,54	0
57	MG	2a	1818	1/1	0.83	0.21	74,74,74,74	0
57	MG	2d	302	1/1	0.83	0.20	76,76,76,76	0
57	MG	1Q	204	1/1	0.83	0.10	52,52,52,52	0
57	MG	1A	3987	1/1	0.83	0.24	62,62,62,62	0
57	MG	1A	3027	1/1	0.83	0.21	54,54,54,54	0
57	MG	2x	103	1/1	0.83	0.24	74,74,74,74	0
57	MG	2a	1635	1/1	0.83	0.25	63,63,63,63	0
57	MG	2A	3255	1/1	0.84	0.20	58,58,58,58	0
57	MG	1a	1660	1/1	0.84	0.19	63,63,63,63	0
57	MG	1A	3830	1/1	0.84	0.13	67,67,67,67	0
57	MG	2A	3789	1/1	0.84	0.11	55,55,55,55	0
57	MG	2A	3137	1/1	0.84	0.20	63,63,63,63	0
57	MG	1F	301	1/1	0.84	0.22	36,36,36,36	0
57	MG	2A	3289	1/1	0.84	0.15	51,51,51,51	0
57	MG	1A	3161	1/1	0.84	0.21	51,51,51,51	0
57	MG	2B	203	1/1	0.84	0.17	54,54,54,54	0
57	MG	2A	3173	1/1	0.84	0.17	49,49,49,49	0
57	MG	2a	1750	1/1	0.84	0.17	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1764	1/1	0.84	0.16	73,73,73,73	0
57	MG	2A	3174	1/1	0.84	0.12	66,66,66,66	0
57	MG	1x	109	1/1	0.84	0.13	70,70,70,70	0
57	MG	1B	216	1/1	0.84	0.11	61,61,61,61	0
57	MG	1A	3250	1/1	0.84	0.21	74,74,74,74	0
57	MG	1B	233	1/1	0.84	0.15	61,61,61,61	0
57	MG	2a	1633	1/1	0.84	0.32	73,73,73,73	0
57	MG	2A	3676	1/1	0.84	0.15	66,66,66,66	0
57	MG	2A	3086	1/1	0.84	0.18	50,50,50,50	0
57	MG	2A	3684	1/1	0.84	0.09	69,69,69,69	0
57	MG	1a	1622	1/1	0.84	0.19	62,62,62,62	0
57	MG	2a	1812	1/1	0.84	0.28	69,69,69,69	0
57	MG	1a	1768	1/1	0.84	0.12	71,71,71,71	0
57	MG	2A	3367	1/1	0.84	0.16	75,75,75,75	0
57	MG	2j	201	1/1	0.84	0.20	63,63,63,63	0
57	MG	2q	202	1/1	0.84	0.13	77,77,77,77	0
57	MG	2a	1659	1/1	0.84	0.12	73,73,73,73	0
57	MG	2A	3237	1/1	0.84	0.13	60,60,60,60	0
57	MG	2x	101	1/1	0.84	0.20	72,72,72,72	0
57	MG	1a	1655	1/1	0.84	0.19	63,63,63,63	0
57	MG	1A	3642	1/1	0.84	0.11	43,43,43,43	0
57	MG	1a	1659	1/1	0.84	0.28	74,74,74,74	0
57	MG	2A	3339	1/1	0.85	0.08	56,56,56,56	0
57	MG	1a	1709	1/1	0.85	0.28	46,46,46,46	0
57	MG	2a	1677	1/1	0.85	0.13	61,61,61,61	0
57	MG	2A	3343	1/1	0.85	0.13	53,53,53,53	0
57	MG	2a	1703	1/1	0.85	0.18	66,66,66,66	0
57	MG	2A	3099	1/1	0.85	0.16	52,52,52,52	0
57	MG	1a	1806	1/1	0.85	0.21	74,74,74,74	0
57	MG	1A	3647	1/1	0.85	0.14	65,65,65,65	0
57	MG	1a	1719	1/1	0.85	0.16	64,64,64,64	0
57	MG	1a	1630	1/1	0.85	0.23	73,73,73,73	0
57	MG	1A	3935	1/1	0.85	0.24	64,64,64,64	0
57	MG	1A	3128	1/1	0.85	0.13	59,59,59,59	0
57	MG	2a	1732	1/1	0.85	0.14	58,58,58,58	0
57	MG	2A	3258	1/1	0.85	0.11	82,82,82,82	0
57	MG	2A	3410	1/1	0.85	0.13	51,51,51,51	0
57	MG	2A	3260	1/1	0.85	0.10	65,65,65,65	0
57	MG	2A	3261	1/1	0.85	0.12	63,63,63,63	0
57	MG	2A	3457	1/1	0.85	0.12	50,50,50,50	0
57	MG	2A	3852	1/1	0.85	0.14	45,45,45,45	0
57	MG	2A	3264	1/1	0.85	0.17	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3165	1/1	0.85	0.08	60,60,60,60	0
57	MG	1A	4082	1/1	0.85	0.18	69,69,69,69	0
57	MG	1A	4007	1/1	0.85	0.17	53,53,53,53	0
57	MG	2A	3057	1/1	0.85	0.21	62,62,62,62	0
57	MG	2W	202	1/1	0.85	0.14	57,57,57,57	0
57	MG	2a	1797	1/1	0.85	0.14	79,79,79,79	0
57	MG	2a	1604	1/1	0.85	0.09	54,54,54,54	0
57	MG	2A	3637	1/1	0.85	0.13	40,40,40,40	0
57	MG	2a	1614	1/1	0.85	0.26	68,68,68,68	0
57	MG	2A	3064	1/1	0.85	0.20	41,41,41,41	0
57	MG	2a	1624	1/1	0.85	0.15	65,65,65,65	0
57	MG	1A	4021	1/1	0.85	0.10	35,35,35,35	0
57	MG	2a	1822	1/1	0.85	0.18	67,67,67,67	0
57	MG	2A	3195	1/1	0.85	0.10	61,61,61,61	0
57	MG	1a	1789	1/1	0.85	0.16	77,77,77,77	0
57	MG	2A	3664	1/1	0.85	0.14	48,48,48,48	0
57	MG	2v	101	1/1	0.85	0.21	68,68,68,68	0
57	MG	1A	4025	1/1	0.85	0.12	35,35,35,35	0
57	MG	2a	1642	1/1	0.85	0.13	78,78,78,78	0
57	MG	2w	105	1/1	0.85	0.13	64,64,64,64	0
57	MG	1a	1798	1/1	0.85	0.22	63,63,63,63	0
57	MG	2A	3206	1/1	0.85	0.13	53,53,53,53	0
57	MG	2A	3334	1/1	0.85	0.22	53,53,53,53	0
57	MG	2a	1661	1/1	0.85	0.22	60,60,60,60	0
57	MG	1A	3423	1/1	0.86	0.13	42,42,42,42	0
57	MG	2A	3784	1/1	0.86	0.08	67,67,67,67	0
57	MG	1A	3458	1/1	0.86	0.15	70,70,70,70	0
57	MG	1a	1799	1/1	0.86	0.23	62,62,62,62	0
57	MG	2A	3826	1/1	0.86	0.15	54,54,54,54	0
57	MG	2a	1719	1/1	0.86	0.18	60,60,60,60	0
57	MG	2A	3495	1/1	0.86	0.12	61,61,61,61	0
57	MG	1A	4023	1/1	0.86	0.12	57,57,57,57	0
57	MG	2A	3315	1/1	0.86	0.15	62,62,62,62	0
57	MG	2A	3575	1/1	0.86	0.17	62,62,62,62	0
57	MG	1A	3471	1/1	0.86	0.10	64,64,64,64	0
57	MG	2a	1733	1/1	0.86	0.10	67,67,67,67	0
57	MG	2A	3584	1/1	0.86	0.10	68,68,68,68	0
57	MG	2a	1737	1/1	0.86	0.18	64,64,64,64	0
57	MG	2A	3599	1/1	0.86	0.18	50,50,50,50	0
57	MG	1A	4069	1/1	0.86	0.11	75,75,75,75	0
57	MG	2A	3614	1/1	0.86	0.22	59,59,59,59	0
57	MG	2A	3327	1/1	0.86	0.14	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1760	1/1	0.86	0.20	70,70,70,70	0
57	MG	2B	220	1/1	0.86	0.16	65,65,65,65	0
57	MG	2E	309	1/1	0.86	0.08	41,41,41,41	0
57	MG	1A	3301	1/1	0.86	0.11	51,51,51,51	0
57	MG	1A	3254	1/1	0.86	0.17	52,52,52,52	0
57	MG	2A	3155	1/1	0.86	0.10	58,58,58,58	0
57	MG	1A	3959	1/1	0.86	0.10	66,66,66,66	0
57	MG	2a	1787	1/1	0.86	0.28	72,72,72,72	0
57	MG	1a	1723	1/1	0.86	0.24	59,59,59,59	0
57	MG	2a	1621	1/1	0.86	0.17	60,60,60,60	0
57	MG	2A	3356	1/1	0.86	0.21	68,68,68,68	0
57	MG	2a	1801	1/1	0.86	0.22	64,64,64,64	0
57	MG	2a	1626	1/1	0.86	0.08	88,88,88,88	0
57	MG	2a	1805	1/1	0.86	0.21	66,66,66,66	0
57	MG	2A	3358	1/1	0.86	0.18	64,64,64,64	0
57	MG	2a	1634	1/1	0.86	0.35	68,68,68,68	0
57	MG	1A	3050	1/1	0.86	0.13	33,33,33,33	0
57	MG	1B	214	1/1	0.86	0.10	40,40,40,40	0
57	MG	1a	1763	1/1	0.86	0.12	60,60,60,60	0
57	MG	2A	3691	1/1	0.86	0.12	70,70,70,70	0
57	MG	1a	1647	1/1	0.86	0.15	63,63,63,63	0
57	MG	2A	3699	1/1	0.86	0.23	64,64,64,64	0
57	MG	1a	1652	1/1	0.86	0.18	51,51,51,51	0
57	MG	2A	3071	1/1	0.86	0.11	57,57,57,57	0
57	MG	1A	3910	1/1	0.86	0.18	49,49,49,49	0
57	MG	1A	3916	1/1	0.86	0.10	46,46,46,46	0
57	MG	2A	3424	1/1	0.86	0.10	56,56,56,56	0
57	MG	2A	3299	1/1	0.86	0.18	72,72,72,72	0
57	MG	2a	1678	1/1	0.86	0.15	70,70,70,70	0
57	MG	2a	1682	1/1	0.86	0.28	56,56,56,56	0
57	MG	1B	210	1/1	0.87	0.09	51,51,51,51	0
57	MG	1A	3812	1/1	0.87	0.14	50,50,50,50	0
57	MG	1A	3566	1/1	0.87	0.21	56,56,56,56	0
57	MG	1a	1676	1/1	0.87	0.17	62,62,62,62	0
57	MG	2a	1676	1/1	0.87	0.19	64,64,64,64	0
57	MG	1B	226	1/1	0.87	0.13	41,41,41,41	0
57	MG	2A	3717	1/1	0.87	0.21	70,70,70,70	0
57	MG	2A	3232	1/1	0.87	0.17	57,57,57,57	0
57	MG	1a	1688	1/1	0.87	0.27	50,50,50,50	0
57	MG	1A	3065	1/1	0.87	0.13	53,53,53,53	0
57	MG	2A	3239	1/1	0.87	0.15	64,64,64,64	0
57	MG	2a	1707	1/1	0.87	0.16	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1709	1/1	0.87	0.18	75,75,75,75	0
57	MG	2A	3747	1/1	0.87	0.12	56,56,56,56	0
57	MG	1A	3845	1/1	0.87	0.10	51,51,51,51	0
57	MG	2a	1717	1/1	0.87	0.16	62,62,62,62	0
57	MG	2A	3755	1/1	0.87	0.12	65,65,65,65	0
57	MG	2A	3767	1/1	0.87	0.10	66,66,66,66	0
57	MG	2A	3386	1/1	0.87	0.10	52,52,52,52	0
57	MG	2a	1726	1/1	0.87	0.30	75,75,75,75	0
57	MG	1A	3371	1/1	0.87	0.09	62,62,62,62	0
57	MG	1a	1716	1/1	0.87	0.15	49,49,49,49	0
57	MG	2A	3423	1/1	0.87	0.18	62,62,62,62	0
57	MG	2A	3794	1/1	0.87	0.07	72,72,72,72	0
57	MG	1A	3989	1/1	0.87	0.13	51,51,51,51	0
57	MG	1A	3130	1/1	0.87	0.06	70,70,70,70	0
57	MG	1F	311	1/1	0.87	0.14	56,56,56,56	0
57	MG	2A	3838	1/1	0.87	0.11	62,62,62,62	0
57	MG	2A	3094	1/1	0.87	0.21	68,68,68,68	0
57	MG	2A	3466	1/1	0.87	0.08	70,70,70,70	0
57	MG	2a	1756	1/1	0.87	0.06	87,87,87,87	0
57	MG	1A	3066	1/1	0.87	0.13	44,44,44,44	0
57	MG	2A	3487	1/1	0.87	0.20	75,75,75,75	0
57	MG	1a	1737	1/1	0.87	0.12	54,54,54,54	0
57	MG	2B	208	1/1	0.87	0.19	62,62,62,62	0
57	MG	1A	3654	1/1	0.87	0.12	58,58,58,58	0
57	MG	1Q	207	1/1	0.87	0.10	37,37,37,37	0
57	MG	1R	203	1/1	0.87	0.16	49,49,49,49	0
57	MG	2A	3112	1/1	0.87	0.24	63,63,63,63	0
57	MG	1T	201	1/1	0.87	0.12	50,50,50,50	0
57	MG	2P	202	1/1	0.87	0.26	51,51,51,51	0
57	MG	2A	3597	1/1	0.87	0.14	50,50,50,50	0
57	MG	2Z	301	1/1	0.87	0.20	72,72,72,72	0
57	MG	1A	3180	1/1	0.87	0.16	51,51,51,51	0
57	MG	1A	3704	1/1	0.87	0.07	34,34,34,34	0
57	MG	2a	1606	1/1	0.87	0.16	70,70,70,70	0
57	MG	2a	1613	1/1	0.87	0.18	57,57,57,57	0
57	MG	2A	3601	1/1	0.87	0.16	53,53,53,53	0
57	MG	2a	1814	1/1	0.87	0.16	75,75,75,75	0
57	MG	1a	1621	1/1	0.87	0.38	73,73,73,73	0
57	MG	2A	3620	1/1	0.87	0.17	64,64,64,64	0
57	MG	1A	3492	1/1	0.87	0.08	29,29,29,29	0
57	MG	1A	3200	1/1	0.87	0.11	47,47,47,47	0
57	MG	2k	201	1/1	0.87	0.16	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3170	1/1	0.87	0.12	55,55,55,55	0
57	MG	2A	3318	1/1	0.87	0.16	54,54,54,54	0
57	MG	1a	1800	1/1	0.87	0.10	41,41,41,41	0
57	MG	1A	3513	1/1	0.87	0.09	55,55,55,55	0
57	MG	2A	3180	1/1	0.87	0.15	62,62,62,62	0
57	MG	2A	3672	1/1	0.87	0.11	53,53,53,53	0
57	MG	1A	3302	1/1	0.87	0.17	53,53,53,53	0
57	MG	1a	1807	1/1	0.87	0.13	52,52,52,52	0
57	MG	1A	3053	1/1	0.87	0.18	55,55,55,55	0
57	MG	2a	1646	1/1	0.88	0.18	57,57,57,57	0
57	MG	2A	3329	1/1	0.88	0.22	68,68,68,68	0
57	MG	2a	1648	1/1	0.88	0.13	73,73,73,73	0
57	MG	2A	3194	1/1	0.88	0.11	54,54,54,54	0
57	MG	2a	1656	1/1	0.88	0.16	65,65,65,65	0
57	MG	1a	1708	1/1	0.88	0.17	46,46,46,46	0
57	MG	2A	3018	1/1	0.88	0.09	59,59,59,59	0
57	MG	1A	3246	1/1	0.88	0.07	47,47,47,47	0
57	MG	2A	3044	1/1	0.88	0.08	78,78,78,78	0
57	MG	1A	3718	1/1	0.88	0.10	48,48,48,48	0
57	MG	1O	201	1/1	0.88	0.08	61,61,61,61	0
57	MG	2A	3365	1/1	0.88	0.34	66,66,66,66	0
57	MG	2A	3215	1/1	0.88	0.19	64,64,64,64	0
57	MG	2A	3222	1/1	0.88	0.19	43,43,43,43	0
57	MG	2a	1697	1/1	0.88	0.11	68,68,68,68	0
57	MG	2A	3372	1/1	0.88	0.09	40,40,40,40	0
57	MG	1a	1717	1/1	0.88	0.13	51,51,51,51	0
57	MG	2A	3376	1/1	0.88	0.10	56,56,56,56	0
57	MG	2A	3378	1/1	0.88	0.10	49,49,49,49	0
57	MG	2A	3379	1/1	0.88	0.25	66,66,66,66	0
57	MG	1A	3875	1/1	0.88	0.13	67,67,67,67	0
57	MG	1A	3414	1/1	0.88	0.12	47,47,47,47	0
57	MG	1A	3884	1/1	0.88	0.13	25,25,25,25	0
57	MG	2A	3241	1/1	0.88	0.44	76,76,76,76	0
57	MG	1A	3494	1/1	0.88	0.13	57,57,57,57	0
57	MG	2A	3786	1/1	0.88	0.13	59,59,59,59	0
57	MG	2A	3246	1/1	0.88	0.14	57,57,57,57	0
57	MG	2A	3419	1/1	0.88	0.18	58,58,58,58	0
57	MG	2A	3821	1/1	0.88	0.10	58,58,58,58	0
57	MG	1A	3900	1/1	0.88	0.10	45,45,45,45	0
57	MG	1A	3599	1/1	0.88	0.35	60,60,60,60	0
57	MG	1A	3641	1/1	0.88	0.13	27,27,27,27	0
57	MG	1A	4081	1/1	0.88	0.12	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1743	1/1	0.88	0.21	66,66,66,66	0
57	MG	2A	3454	1/1	0.88	0.15	51,51,51,51	0
57	MG	1a	1628	1/1	0.88	0.17	52,52,52,52	0
57	MG	1A	3917	1/1	0.88	0.09	27,27,27,27	0
57	MG	2A	3468	1/1	0.88	0.23	64,64,64,64	0
57	MG	2a	1758	1/1	0.88	0.19	67,67,67,67	0
57	MG	2a	1759	1/1	0.88	0.18	72,72,72,72	0
57	MG	1a	1780	1/1	0.88	0.14	64,64,64,64	0
57	MG	2A	3262	1/1	0.88	0.17	61,61,61,61	0
57	MG	2A	3493	1/1	0.88	0.18	48,48,48,48	0
57	MG	2a	1777	1/1	0.88	0.22	59,59,59,59	0
57	MG	1B	203	1/1	0.88	0.11	56,56,56,56	0
57	MG	2A	3499	1/1	0.88	0.16	64,64,64,64	0
57	MG	2A	3119	1/1	0.88	0.13	69,69,69,69	0
57	MG	2A	3544	1/1	0.88	0.10	41,41,41,41	0
57	MG	2F	302	1/1	0.88	0.10	48,48,48,48	0
57	MG	1a	1648	1/1	0.88	0.21	55,55,55,55	0
57	MG	2A	3571	1/1	0.88	0.17	51,51,51,51	0
57	MG	1A	3340	1/1	0.88	0.09	57,57,57,57	0
57	MG	20	101	1/1	0.88	0.20	66,66,66,66	0
57	MG	2A	3279	1/1	0.88	0.24	69,69,69,69	0
57	MG	2A	3149	1/1	0.88	0.27	64,64,64,64	0
57	MG	1A	3427	1/1	0.88	0.19	65,65,65,65	0
57	MG	2A	3158	1/1	0.88	0.13	50,50,50,50	0
57	MG	1A	3526	1/1	0.88	0.23	62,62,62,62	0
57	MG	1A	3841	1/1	0.88	0.15	56,56,56,56	0
57	MG	1A	3441	1/1	0.88	0.10	56,56,56,56	0
57	MG	2a	1821	1/1	0.88	0.16	65,65,65,65	0
57	MG	1a	1665	1/1	0.88	0.15	57,57,57,57	0
57	MG	2A	3309	1/1	0.88	0.18	63,63,63,63	0
57	MG	2a	1627	1/1	0.88	0.21	67,67,67,67	0
57	MG	2a	1628	1/1	0.88	0.30	69,69,69,69	0
57	MG	2A	3641	1/1	0.88	0.13	59,59,59,59	0
57	MG	1A	3846	1/1	0.88	0.15	43,43,43,43	0
57	MG	1A	3694	1/1	0.88	0.09	25,25,25,25	0
57	MG	2a	1636	1/1	0.88	0.37	71,71,71,71	0
57	MG	1A	3096	1/1	0.88	0.12	61,61,61,61	0
57	MG	2A	3324	1/1	0.88	0.11	63,63,63,63	0
57	MG	1A	3870	1/1	0.88	0.17	50,50,50,50	0
57	MG	1x	105	1/1	0.88	0.24	58,58,58,58	0
57	MG	2a	1645	1/1	0.88	0.23	58,58,58,58	0
57	MG	2a	1625	1/1	0.89	0.28	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1B	231	1/1	0.89	0.08	46,46,46,46	0
57	MG	1a	1700	1/1	0.89	0.20	63,63,63,63	0
57	MG	1A	3837	1/1	0.89	0.09	51,51,51,51	0
57	MG	2A	3292	1/1	0.89	0.10	53,53,53,53	0
57	MG	1A	3403	1/1	0.89	0.08	52,52,52,52	0
57	MG	2A	3602	1/1	0.89	0.12	58,58,58,58	0
57	MG	2A	3612	1/1	0.89	0.13	43,43,43,43	0
57	MG	1B	234	1/1	0.89	0.15	65,65,65,65	0
57	MG	1A	3949	1/1	0.89	0.09	48,48,48,48	0
57	MG	1A	3844	1/1	0.89	0.19	50,50,50,50	0
57	MG	2A	3110	1/1	0.89	0.17	58,58,58,58	0
57	MG	1A	3502	1/1	0.89	0.14	46,46,46,46	0
57	MG	2A	3306	1/1	0.89	0.15	56,56,56,56	0
57	MG	1A	3967	1/1	0.89	0.12	54,54,54,54	0
57	MG	1a	1721	1/1	0.89	0.22	65,65,65,65	0
57	MG	1A	3325	1/1	0.89	0.21	61,61,61,61	0
57	MG	1A	3657	1/1	0.89	0.09	44,44,44,44	0
57	MG	1A	3669	1/1	0.89	0.10	44,44,44,44	0
57	MG	2a	1660	1/1	0.89	0.08	56,56,56,56	0
57	MG	2A	3673	1/1	0.89	0.12	48,48,48,48	0
57	MG	2A	3325	1/1	0.89	0.25	64,64,64,64	0
57	MG	2a	1666	1/1	0.89	0.12	68,68,68,68	0
57	MG	1A	3992	1/1	0.89	0.09	26,26,26,26	0
57	MG	2a	1673	1/1	0.89	0.15	55,55,55,55	0
57	MG	2A	3680	1/1	0.89	0.11	60,60,60,60	0
57	MG	2A	3682	1/1	0.89	0.09	51,51,51,51	0
57	MG	1A	3507	1/1	0.89	0.09	52,52,52,52	0
57	MG	1A	3332	1/1	0.89	0.21	59,59,59,59	0
57	MG	2a	1684	1/1	0.89	0.28	64,64,64,64	0
57	MG	2a	1688	1/1	0.89	0.12	65,65,65,65	0
57	MG	2A	3333	1/1	0.89	0.08	49,49,49,49	0
57	MG	2a	1696	1/1	0.89	0.18	62,62,62,62	0
57	MG	1Y	202	1/1	0.89	0.10	57,57,57,57	0
57	MG	1a	1769	1/1	0.89	0.12	64,64,64,64	0
57	MG	1a	1772	1/1	0.89	0.14	63,63,63,63	0
57	MG	2a	1706	1/1	0.89	0.18	68,68,68,68	0
57	MG	2A	3713	1/1	0.89	0.14	56,56,56,56	0
57	MG	13	105	1/1	0.89	0.10	51,51,51,51	0
57	MG	2a	1711	1/1	0.89	0.27	55,55,55,55	0
57	MG	2A	3346	1/1	0.89	0.14	61,61,61,61	0
57	MG	2A	3720	1/1	0.89	0.21	55,55,55,55	0
57	MG	2A	3722	1/1	0.89	0.14	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	14	101	1/1	0.89	0.19	75,75,75,75	0
57	MG	2A	3735	1/1	0.89	0.19	69,69,69,69	0
57	MG	2A	3181	1/1	0.89	0.14	55,55,55,55	0
57	MG	2a	1723	1/1	0.89	0.25	51,51,51,51	0
57	MG	1a	1784	1/1	0.89	0.15	61,61,61,61	0
57	MG	2A	3187	1/1	0.89	0.32	63,63,63,63	0
57	MG	16	101	1/1	0.89	0.11	44,44,44,44	0
57	MG	2A	3189	1/1	0.89	0.13	63,63,63,63	0
57	MG	1A	3333	1/1	0.89	0.08	55,55,55,55	0
57	MG	2A	3770	1/1	0.89	0.09	72,72,72,72	0
57	MG	1A	3533	1/1	0.89	0.23	47,47,47,47	0
57	MG	2A	3775	1/1	0.89	0.15	50,50,50,50	0
57	MG	1a	1617	1/1	0.89	0.16	56,56,56,56	0
57	MG	1A	3088	1/1	0.89	0.27	42,42,42,42	0
57	MG	2A	3201	1/1	0.89	0.09	48,48,48,48	0
57	MG	1A	4027	1/1	0.89	0.07	29,29,29,29	0
57	MG	2a	1754	1/1	0.89	0.12	71,71,71,71	0
57	MG	1a	1623	1/1	0.89	0.23	59,59,59,59	0
57	MG	1a	1627	1/1	0.89	0.17	54,54,54,54	0
57	MG	1p	101	1/1	0.89	0.10	51,51,51,51	0
57	MG	1A	3722	1/1	0.89	0.12	54,54,54,54	0
57	MG	2A	3830	1/1	0.89	0.13	61,61,61,61	0
57	MG	2a	1767	1/1	0.89	0.14	52,52,52,52	0
57	MG	2A	3836	1/1	0.89	0.13	67,67,67,67	0
57	MG	1A	3885	1/1	0.89	0.11	36,36,36,36	0
57	MG	2A	3417	1/1	0.89	0.18	67,67,67,67	0
57	MG	2A	3840	1/1	0.89	0.09	56,56,56,56	0
57	MG	2A	3233	1/1	0.89	0.08	45,45,45,45	0
57	MG	2A	3848	1/1	0.89	0.16	50,50,50,50	0
57	MG	1a	1638	1/1	0.89	0.14	51,51,51,51	0
57	MG	1A	3454	1/1	0.89	0.21	58,58,58,58	0
57	MG	2a	1795	1/1	0.89	0.21	72,72,72,72	0
57	MG	2a	1796	1/1	0.89	0.15	65,65,65,65	0
57	MG	2A	3430	1/1	0.89	0.21	53,53,53,53	0
57	MG	2A	3238	1/1	0.89	0.25	60,60,60,60	0
57	MG	1A	3257	1/1	0.89	0.10	63,63,63,63	0
57	MG	2A	3240	1/1	0.89	0.19	61,61,61,61	0
57	MG	1A	3467	1/1	0.89	0.07	56,56,56,56	0
57	MG	2B	217	1/1	0.89	0.12	66,66,66,66	0
57	MG	1A	3585	1/1	0.89	0.08	49,49,49,49	0
57	MG	1A	3300	1/1	0.89	0.17	47,47,47,47	0
57	MG	2A	3041	1/1	0.89	0.28	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3486	1/1	0.89	0.18	55,55,55,55	0
57	MG	1B	209	1/1	0.89	0.13	48,48,48,48	0
57	MG	2Q	201	1/1	0.89	0.12	68,68,68,68	0
57	MG	2T	202	1/1	0.89	0.19	55,55,55,55	0
57	MG	1A	3933	1/1	0.89	0.10	31,31,31,31	0
57	MG	2A	3054	1/1	0.89	0.17	66,66,66,66	0
57	MG	1B	211	1/1	0.89	0.12	50,50,50,50	0
57	MG	2A	3511	1/1	0.89	0.10	24,24,24,24	0
57	MG	2A	3062	1/1	0.89	0.19	66,66,66,66	0
57	MG	1a	1672	1/1	0.89	0.12	64,64,64,64	0
57	MG	2A	3566	1/1	0.89	0.20	51,51,51,51	0
57	MG	1A	3489	1/1	0.89	0.12	45,45,45,45	0
57	MG	1A	3391	1/1	0.89	0.20	45,45,45,45	0
57	MG	1a	1682	1/1	0.89	0.18	63,63,63,63	0
57	MG	1A	3941	1/1	0.89	0.11	46,46,46,46	0
57	MG	2A	3438	1/1	0.90	0.18	51,51,51,51	0
57	MG	1A	3243	1/1	0.90	0.14	57,57,57,57	0
57	MG	1A	3193	1/1	0.90	0.17	32,32,32,32	0
57	MG	1a	1775	1/1	0.90	0.09	56,56,56,56	0
57	MG	2A	3460	1/1	0.90	0.26	45,45,45,45	0
57	MG	1a	1777	1/1	0.90	0.10	46,46,46,46	0
57	MG	1A	3195	1/1	0.90	0.16	40,40,40,40	0
57	MG	1A	3730	1/1	0.90	0.13	71,71,71,71	0
57	MG	2a	1610	1/1	0.90	0.12	48,48,48,48	0
57	MG	2a	1612	1/1	0.90	0.12	68,68,68,68	0
57	MG	2A	3470	1/1	0.90	0.16	64,64,64,64	0
57	MG	2A	3472	1/1	0.90	0.06	63,63,63,63	0
57	MG	2A	3483	1/1	0.90	0.14	42,42,42,42	0
57	MG	1A	3739	1/1	0.90	0.10	57,57,57,57	0
57	MG	2a	1622	1/1	0.90	0.11	48,48,48,48	0
57	MG	1A	3957	1/1	0.90	0.15	61,61,61,61	0
57	MG	1A	3199	1/1	0.90	0.39	47,47,47,47	0
57	MG	2A	3226	1/1	0.90	0.21	71,71,71,71	0
57	MG	2A	3227	1/1	0.90	0.15	66,66,66,66	0
57	MG	2A	3231	1/1	0.90	0.10	34,34,34,34	0
57	MG	2a	1632	1/1	0.90	0.05	78,78,78,78	0
57	MG	2A	3527	1/1	0.90	0.08	40,40,40,40	0
57	MG	1a	1796	1/1	0.90	0.19	57,57,57,57	0
57	MG	2A	3543	1/1	0.90	0.09	44,44,44,44	0
57	MG	1a	1797	1/1	0.90	0.07	66,66,66,66	0
57	MG	2A	3556	1/1	0.90	0.13	50,50,50,50	0
57	MG	15	106	1/1	0.90	0.21	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	15	109	1/1	0.90	0.10	62,62,62,62	0
57	MG	1A	3962	1/1	0.90	0.10	32,32,32,32	0
57	MG	1A	3255	1/1	0.90	0.28	72,72,72,72	0
57	MG	1a	1602	1/1	0.90	0.15	57,57,57,57	0
57	MG	1A	3793	1/1	0.90	0.18	70,70,70,70	0
57	MG	2A	3586	1/1	0.90	0.16	58,58,58,58	0
57	MG	1f	201	1/1	0.90	0.12	54,54,54,54	0
57	MG	1l	201	1/1	0.90	0.07	57,57,57,57	0
57	MG	1A	3058	1/1	0.90	0.13	41,41,41,41	0
57	MG	1t	201	1/1	0.90	0.17	59,59,59,59	0
57	MG	1A	3988	1/1	0.90	0.15	65,65,65,65	0
57	MG	1A	3810	1/1	0.90	0.14	47,47,47,47	0
57	MG	1A	3379	1/1	0.90	0.23	56,56,56,56	0
57	MG	1A	3814	1/1	0.90	0.13	47,47,47,47	0
57	MG	1A	3519	1/1	0.90	0.17	40,40,40,40	0
57	MG	2a	1674	1/1	0.90	0.27	69,69,69,69	0
57	MG	2a	1675	1/1	0.90	0.21	61,61,61,61	0
57	MG	1a	1629	1/1	0.90	0.14	50,50,50,50	0
57	MG	2A	3001	1/1	0.90	0.19	37,37,37,37	0
57	MG	2A	3646	1/1	0.90	0.16	59,59,59,59	0
57	MG	1A	3171	1/1	0.90	0.13	45,45,45,45	0
57	MG	1A	3400	1/1	0.90	0.09	49,49,49,49	0
57	MG	2A	3028	1/1	0.90	0.15	54,54,54,54	0
57	MG	2a	1690	1/1	0.90	0.18	63,63,63,63	0
57	MG	2A	3658	1/1	0.90	0.08	37,37,37,37	0
57	MG	2A	3031	1/1	0.90	0.14	51,51,51,51	0
57	MG	2A	3670	1/1	0.90	0.20	55,55,55,55	0
57	MG	2A	3035	1/1	0.90	0.11	53,53,53,53	0
57	MG	1A	3264	1/1	0.90	0.16	44,44,44,44	0
57	MG	1A	3404	1/1	0.90	0.16	47,47,47,47	0
57	MG	2A	3296	1/1	0.90	0.13	62,62,62,62	0
57	MG	2a	1708	1/1	0.90	0.33	69,69,69,69	0
57	MG	2A	3045	1/1	0.90	0.15	58,58,58,58	0
57	MG	1A	4067	1/1	0.90	0.14	63,63,63,63	0
57	MG	1A	3277	1/1	0.90	0.17	46,46,46,46	0
57	MG	1A	3422	1/1	0.90	0.20	37,37,37,37	0
57	MG	1A	4072	1/1	0.90	0.09	49,49,49,49	0
57	MG	1A	3582	1/1	0.90	0.30	55,55,55,55	0
57	MG	1A	3584	1/1	0.90	0.14	61,61,61,61	0
57	MG	1a	1668	1/1	0.90	0.07	58,58,58,58	0
57	MG	2A	3083	1/1	0.90	0.10	52,52,52,52	0
57	MG	1a	1670	1/1	0.90	0.31	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3087	1/1	0.90	0.08	45,45,45,45	0
57	MG	1A	3286	1/1	0.90	0.17	53,53,53,53	0
57	MG	1A	3223	1/1	0.90	0.11	48,48,48,48	0
57	MG	1a	1677	1/1	0.90	0.19	51,51,51,51	0
57	MG	2A	3726	1/1	0.90	0.11	43,43,43,43	0
57	MG	2A	3095	1/1	0.90	0.09	51,51,51,51	0
57	MG	1B	201	1/1	0.90	0.07	44,44,44,44	0
57	MG	2A	3098	1/1	0.90	0.26	67,67,67,67	0
57	MG	2A	3335	1/1	0.90	0.11	52,52,52,52	0
57	MG	1A	3598	1/1	0.90	0.12	41,41,41,41	0
57	MG	1a	1684	1/1	0.90	0.07	50,50,50,50	0
57	MG	1B	208	1/1	0.90	0.08	57,57,57,57	0
57	MG	1A	3435	1/1	0.90	0.11	48,48,48,48	0
57	MG	1a	1698	1/1	0.90	0.10	52,52,52,52	0
57	MG	1A	3876	1/1	0.90	0.17	47,47,47,47	0
57	MG	2A	3357	1/1	0.90	0.26	63,63,63,63	0
57	MG	2A	3776	1/1	0.90	0.20	65,65,65,65	0
57	MG	2A	3116	1/1	0.90	0.16	49,49,49,49	0
57	MG	1A	3600	1/1	0.90	0.21	43,43,43,43	0
57	MG	2a	1775	1/1	0.90	0.18	58,58,58,58	0
57	MG	1A	3438	1/1	0.90	0.13	63,63,63,63	0
57	MG	1A	3149	1/1	0.90	0.13	43,43,43,43	0
57	MG	2A	3791	1/1	0.90	0.08	39,39,39,39	0
57	MG	1A	3446	1/1	0.90	0.08	41,41,41,41	0
57	MG	2A	3801	1/1	0.90	0.11	40,40,40,40	0
57	MG	2A	3373	1/1	0.90	0.12	48,48,48,48	0
57	MG	1A	3232	1/1	0.90	0.36	34,34,34,34	0
57	MG	1A	3304	1/1	0.90	0.22	51,51,51,51	0
57	MG	1A	3459	1/1	0.90	0.20	55,55,55,55	0
57	MG	2A	3833	1/1	0.90	0.08	47,47,47,47	0
57	MG	2A	3164	1/1	0.90	0.18	60,60,60,60	0
57	MG	1A	3463	1/1	0.90	0.32	45,45,45,45	0
57	MG	1A	3927	1/1	0.90	0.21	48,48,48,48	0
57	MG	1a	1725	1/1	0.90	0.17	61,61,61,61	0
57	MG	1A	3932	1/1	0.90	0.10	23,23,23,23	0
57	MG	2A	3846	1/1	0.90	0.07	60,60,60,60	0
57	MG	2a	1811	1/1	0.90	0.21	73,73,73,73	0
57	MG	2A	3388	1/1	0.90	0.14	55,55,55,55	0
57	MG	1A	3241	1/1	0.90	0.14	57,57,57,57	0
57	MG	2A	3396	1/1	0.90	0.17	47,47,47,47	0
57	MG	2A	3403	1/1	0.90	0.24	53,53,53,53	0
57	MG	1A	3934	1/1	0.90	0.15	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1742	1/1	0.90	0.23	68,68,68,68	0
57	MG	2g	201	1/1	0.90	0.10	67,67,67,67	0
57	MG	2B	211	1/1	0.90	0.22	64,64,64,64	0
57	MG	2B	212	1/1	0.90	0.24	61,61,61,61	0
57	MG	2l	204	1/1	0.90	0.05	51,51,51,51	0
57	MG	2B	213	1/1	0.90	0.14	56,56,56,56	0
57	MG	1a	1747	1/1	0.90	0.09	59,59,59,59	0
57	MG	1a	1757	1/1	0.90	0.15	54,54,54,54	0
57	MG	1F	312	1/1	0.90	0.08	53,53,53,53	0
57	MG	2w	102	1/1	0.90	0.23	52,52,52,52	0
57	MG	2A	3429	1/1	0.90	0.23	51,51,51,51	0
57	MG	1A	3324	1/1	0.90	0.07	42,42,42,42	0
57	MG	1A	3479	1/1	0.90	0.23	56,56,56,56	0
57	MG	2A	3435	1/1	0.90	0.25	46,46,46,46	0
57	MG	2A	3436	1/1	0.90	0.11	49,49,49,49	0
57	MG	1A	3940	1/1	0.91	0.10	55,55,55,55	0
57	MG	1a	1735	1/1	0.91	0.11	56,56,56,56	0
57	MG	1A	3303	1/1	0.91	0.21	52,52,52,52	0
57	MG	1A	3202	1/1	0.91	0.08	26,26,26,26	0
57	MG	1O	202	1/1	0.91	0.20	52,52,52,52	0
57	MG	2A	3854	1/1	0.91	0.10	58,58,58,58	0
57	MG	2A	3166	1/1	0.91	0.15	67,67,67,67	0
57	MG	1A	3406	1/1	0.91	0.16	55,55,55,55	0
57	MG	2B	205	1/1	0.91	0.06	55,55,55,55	0
57	MG	2B	206	1/1	0.91	0.19	63,63,63,63	0
57	MG	1A	3319	1/1	0.91	0.06	39,39,39,39	0
57	MG	2A	3421	1/1	0.91	0.20	43,43,43,43	0
57	MG	1A	3520	1/1	0.91	0.26	57,57,57,57	0
57	MG	1S	201	1/1	0.91	0.08	44,44,44,44	0
57	MG	2A	3177	1/1	0.91	0.22	53,53,53,53	0
57	MG	1A	3762	1/1	0.91	0.08	24,24,24,24	0
57	MG	1A	3770	1/1	0.91	0.12	31,31,31,31	0
57	MG	10	107	1/1	0.91	0.09	50,50,50,50	0
57	MG	10	108	1/1	0.91	0.13	53,53,53,53	0
57	MG	1a	1774	1/1	0.91	0.10	36,36,36,36	0
57	MG	2A	3442	1/1	0.91	0.07	60,60,60,60	0
57	MG	2N	201	1/1	0.91	0.23	65,65,65,65	0
57	MG	10	110	1/1	0.91	0.21	66,66,66,66	0
57	MG	2A	3449	1/1	0.91	0.14	50,50,50,50	0
57	MG	2A	3452	1/1	0.91	0.44	57,57,57,57	0
57	MG	11	103	1/1	0.91	0.12	45,45,45,45	0
57	MG	2A	3455	1/1	0.91	0.11	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3415	1/1	0.91	0.12	56,56,56,56	0
57	MG	23	101	1/1	0.91	0.15	56,56,56,56	0
57	MG	28	101	1/1	0.91	0.12	62,62,62,62	0
57	MG	2a	1602	1/1	0.91	0.17	55,55,55,55	0
57	MG	2a	1603	1/1	0.91	0.15	57,57,57,57	0
57	MG	2A	3459	1/1	0.91	0.13	58,58,58,58	0
57	MG	1A	3964	1/1	0.91	0.08	54,54,54,54	0
57	MG	1A	3531	1/1	0.91	0.09	68,68,68,68	0
57	MG	1A	3801	1/1	0.91	0.13	44,44,44,44	0
57	MG	1a	1794	1/1	0.91	0.08	77,77,77,77	0
57	MG	1A	3532	1/1	0.91	0.09	54,54,54,54	0
57	MG	2A	3208	1/1	0.91	0.17	52,52,52,52	0
57	MG	2A	3479	1/1	0.91	0.24	48,48,48,48	0
57	MG	2a	1619	1/1	0.91	0.19	64,64,64,64	0
57	MG	1A	3114	1/1	0.91	0.09	41,41,41,41	0
57	MG	18	106	1/1	0.91	0.26	47,47,47,47	0
57	MG	2A	3216	1/1	0.91	0.12	51,51,51,51	0
57	MG	2A	3488	1/1	0.91	0.09	49,49,49,49	0
57	MG	1A	3115	1/1	0.91	0.09	45,45,45,45	0
57	MG	2A	3223	1/1	0.91	0.29	52,52,52,52	0
57	MG	1A	3424	1/1	0.91	0.09	52,52,52,52	0
57	MG	2a	1630	1/1	0.91	0.20	64,64,64,64	0
57	MG	2a	1631	1/1	0.91	0.10	46,46,46,46	0
57	MG	2A	3504	1/1	0.91	0.17	61,61,61,61	0
57	MG	2A	3505	1/1	0.91	0.18	53,53,53,53	0
57	MG	1A	3996	1/1	0.91	0.08	50,50,50,50	0
57	MG	2A	3516	1/1	0.91	0.20	65,65,65,65	0
57	MG	2A	3520	1/1	0.91	0.11	62,62,62,62	0
57	MG	1a	1802	1/1	0.91	0.10	54,54,54,54	0
57	MG	2A	3529	1/1	0.91	0.11	62,62,62,62	0
57	MG	1A	3999	1/1	0.91	0.10	44,44,44,44	0
57	MG	2a	1640	1/1	0.91	0.16	58,58,58,58	0
57	MG	2a	1641	1/1	0.91	0.08	59,59,59,59	0
57	MG	2A	3534	1/1	0.91	0.10	41,41,41,41	0
57	MG	2A	3536	1/1	0.91	0.08	44,44,44,44	0
57	MG	1A	3004	1/1	0.91	0.08	31,31,31,31	0
57	MG	2A	3234	1/1	0.91	0.16	57,57,57,57	0
57	MG	1A	3575	1/1	0.91	0.10	37,37,37,37	0
57	MG	2a	1651	1/1	0.91	0.20	67,67,67,67	0
57	MG	2a	1652	1/1	0.91	0.06	70,70,70,70	0
57	MG	2A	3563	1/1	0.91	0.09	38,38,38,38	0
57	MG	2a	1655	1/1	0.91	0.07	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3565	1/1	0.91	0.08	37,37,37,37	0
57	MG	2a	1658	1/1	0.91	0.17	50,50,50,50	0
57	MG	1a	1809	1/1	0.91	0.08	65,65,65,65	0
57	MG	1A	4016	1/1	0.91	0.12	51,51,51,51	0
57	MG	1A	3329	1/1	0.91	0.12	56,56,56,56	0
57	MG	1n	102	1/1	0.91	0.17	46,46,46,46	0
57	MG	1A	3261	1/1	0.91	0.15	57,57,57,57	0
57	MG	2A	3578	1/1	0.91	0.09	49,49,49,49	0
57	MG	1A	3030	1/1	0.91	0.30	64,64,64,64	0
57	MG	1a	1633	1/1	0.91	0.13	35,35,35,35	0
57	MG	2A	3595	1/1	0.91	0.13	57,57,57,57	0
57	MG	2A	3247	1/1	0.91	0.12	48,48,48,48	0
57	MG	1a	1636	1/1	0.91	0.10	40,40,40,40	0
57	MG	1a	1637	1/1	0.91	0.22	55,55,55,55	0
57	MG	2a	1680	1/1	0.91	0.24	70,70,70,70	0
57	MG	1A	3267	1/1	0.91	0.06	53,53,53,53	0
57	MG	1x	102	1/1	0.91	0.15	58,58,58,58	0
57	MG	2A	3609	1/1	0.91	0.11	50,50,50,50	0
57	MG	1a	1644	1/1	0.91	0.12	43,43,43,43	0
57	MG	2a	1694	1/1	0.91	0.12	66,66,66,66	0
57	MG	1A	4039	1/1	0.91	0.11	63,63,63,63	0
57	MG	1A	4044	1/1	0.91	0.11	58,58,58,58	0
57	MG	2A	3623	1/1	0.91	0.10	36,36,36,36	0
57	MG	2a	1702	1/1	0.91	0.20	68,68,68,68	0
57	MG	1A	4058	1/1	0.91	0.12	42,42,42,42	0
57	MG	1A	3448	1/1	0.91	0.10	45,45,45,45	0
57	MG	1A	3147	1/1	0.91	0.14	46,46,46,46	0
57	MG	2A	3029	1/1	0.91	0.10	37,37,37,37	0
57	MG	2A	3030	1/1	0.91	0.09	47,47,47,47	0
57	MG	1A	3353	1/1	0.91	0.22	35,35,35,35	0
57	MG	2a	1710	1/1	0.91	0.14	59,59,59,59	0
57	MG	1A	3361	1/1	0.91	0.18	52,52,52,52	0
57	MG	2A	3290	1/1	0.91	0.08	51,51,51,51	0
57	MG	2A	3038	1/1	0.91	0.24	66,66,66,66	0
57	MG	1A	3631	1/1	0.91	0.15	54,54,54,54	0
57	MG	1a	1666	1/1	0.91	0.22	63,63,63,63	0
57	MG	1a	1667	1/1	0.91	0.18	59,59,59,59	0
57	MG	2A	3300	1/1	0.91	0.21	64,64,64,64	0
57	MG	2A	3675	1/1	0.91	0.20	52,52,52,52	0
57	MG	2A	3047	1/1	0.91	0.10	49,49,49,49	0
57	MG	2A	3050	1/1	0.91	0.21	58,58,58,58	0
57	MG	1A	3634	1/1	0.91	0.07	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3681	1/1	0.91	0.20	59,59,59,59	0
57	MG	2A	3304	1/1	0.91	0.17	60,60,60,60	0
57	MG	2a	1734	1/1	0.91	0.34	72,72,72,72	0
57	MG	1A	3639	1/1	0.91	0.18	56,56,56,56	0
57	MG	1A	3461	1/1	0.91	0.14	40,40,40,40	0
57	MG	2A	3059	1/1	0.91	0.16	56,56,56,56	0
57	MG	2a	1741	1/1	0.91	0.32	60,60,60,60	0
57	MG	2a	1742	1/1	0.91	0.14	57,57,57,57	0
57	MG	2A	3314	1/1	0.91	0.14	41,41,41,41	0
57	MG	2A	3693	1/1	0.91	0.07	58,58,58,58	0
57	MG	1A	3370	1/1	0.91	0.15	43,43,43,43	0
57	MG	2a	1748	1/1	0.91	0.26	68,68,68,68	0
57	MG	2A	3700	1/1	0.91	0.11	61,61,61,61	0
57	MG	2A	3316	1/1	0.91	0.09	40,40,40,40	0
57	MG	1A	3148	1/1	0.91	0.33	37,37,37,37	0
57	MG	1A	3470	1/1	0.91	0.10	45,45,45,45	0
57	MG	2A	3070	1/1	0.91	0.10	43,43,43,43	0
57	MG	1A	3890	1/1	0.91	0.12	43,43,43,43	0
57	MG	2A	3079	1/1	0.91	0.10	49,49,49,49	0
57	MG	2a	1765	1/1	0.91	0.14	58,58,58,58	0
57	MG	2a	1766	1/1	0.91	0.13	60,60,60,60	0
57	MG	1A	3055	1/1	0.91	0.09	38,38,38,38	0
57	MG	2a	1769	1/1	0.91	0.24	71,71,71,71	0
57	MG	2A	3727	1/1	0.91	0.22	51,51,51,51	0
57	MG	2A	3730	1/1	0.91	0.16	68,68,68,68	0
57	MG	1a	1686	1/1	0.91	0.18	35,35,35,35	0
57	MG	2a	1782	1/1	0.91	0.13	51,51,51,51	0
57	MG	1A	3898	1/1	0.91	0.14	62,62,62,62	0
57	MG	2A	3088	1/1	0.91	0.23	63,63,63,63	0
57	MG	1a	1689	1/1	0.91	0.20	47,47,47,47	0
57	MG	1A	3665	1/1	0.91	0.09	35,35,35,35	0
57	MG	2A	3749	1/1	0.91	0.11	53,53,53,53	0
57	MG	1a	1695	1/1	0.91	0.23	59,59,59,59	0
57	MG	2a	1791	1/1	0.91	0.22	60,60,60,60	0
57	MG	2a	1794	1/1	0.91	0.24	69,69,69,69	0
57	MG	1A	3380	1/1	0.91	0.23	38,38,38,38	0
57	MG	1B	218	1/1	0.91	0.12	49,49,49,49	0
57	MG	2A	3351	1/1	0.91	0.18	55,55,55,55	0
57	MG	2a	1798	1/1	0.91	0.16	58,58,58,58	0
57	MG	2A	3353	1/1	0.91	0.07	63,63,63,63	0
57	MG	1a	1705	1/1	0.91	0.14	50,50,50,50	0
57	MG	1A	3480	1/1	0.91	0.08	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1804	1/1	0.91	0.09	64,64,64,64	0
57	MG	2A	3779	1/1	0.91	0.11	56,56,56,56	0
57	MG	2A	3782	1/1	0.91	0.20	54,54,54,54	0
57	MG	1A	3690	1/1	0.91	0.06	45,45,45,45	0
57	MG	1a	1710	1/1	0.91	0.23	41,41,41,41	0
57	MG	2A	3361	1/1	0.91	0.16	52,52,52,52	0
57	MG	2A	3364	1/1	0.91	0.20	51,51,51,51	0
57	MG	2a	1817	1/1	0.91	0.12	55,55,55,55	0
57	MG	1A	3923	1/1	0.91	0.09	42,42,42,42	0
57	MG	2A	3793	1/1	0.91	0.10	54,54,54,54	0
57	MG	2A	3108	1/1	0.91	0.11	52,52,52,52	0
57	MG	2A	3798	1/1	0.91	0.17	43,43,43,43	0
57	MG	2e	201	1/1	0.91	0.07	82,82,82,82	0
57	MG	2A	3800	1/1	0.91	0.11	63,63,63,63	0
57	MG	1a	1714	1/1	0.91	0.12	48,48,48,48	0
57	MG	2A	3802	1/1	0.91	0.07	28,28,28,28	0
57	MG	2l	201	1/1	0.91	0.11	58,58,58,58	0
57	MG	2A	3817	1/1	0.91	0.10	46,46,46,46	0
57	MG	1A	3383	1/1	0.91	0.22	66,66,66,66	0
57	MG	2A	3113	1/1	0.91	0.16	47,47,47,47	0
57	MG	2A	3115	1/1	0.91	0.11	49,49,49,49	0
57	MG	1A	3388	1/1	0.91	0.20	42,42,42,42	0
57	MG	1A	3706	1/1	0.91	0.15	25,25,25,25	0
57	MG	2w	104	1/1	0.91	0.09	89,89,89,89	0
57	MG	2A	3122	1/1	0.91	0.25	46,46,46,46	0
57	MG	1A	3708	1/1	0.91	0.08	40,40,40,40	0
57	MG	1A	3248	1/1	0.91	0.14	47,47,47,47	0
57	MG	1A	3201	1/1	0.91	0.07	32,32,32,32	0
57	MG	2x	104	1/1	0.91	0.28	65,65,65,65	0
57	MG	2x	105	1/1	0.91	0.17	60,60,60,60	0
57	MG	2A	3841	1/1	0.91	0.13	65,65,65,65	0
58	K	1A	3546	1/1	0.91	0.20	73,73,73,73	0
58	K	2A	3445	1/1	0.91	0.08	64,64,64,64	0
57	MG	2B	202	1/1	0.92	0.08	55,55,55,55	0
57	MG	2A	3399	1/1	0.92	0.15	45,45,45,45	0
57	MG	1B	206	1/1	0.92	0.07	56,56,56,56	0
57	MG	1A	3565	1/1	0.92	0.14	42,42,42,42	0
57	MG	2A	3414	1/1	0.92	0.25	53,53,53,53	0
57	MG	2B	207	1/1	0.92	0.15	68,68,68,68	0
57	MG	1A	3338	1/1	0.92	0.10	42,42,42,42	0
57	MG	1A	3339	1/1	0.92	0.08	40,40,40,40	0
57	MG	2A	3139	1/1	0.92	0.10	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3147	1/1	0.92	0.19	53,53,53,53	0
57	MG	2A	3148	1/1	0.92	0.16	46,46,46,46	0
57	MG	2A	3428	1/1	0.92	0.29	62,62,62,62	0
57	MG	1A	3124	1/1	0.92	0.10	41,41,41,41	0
57	MG	2B	218	1/1	0.92	0.16	67,67,67,67	0
57	MG	1A	3854	1/1	0.92	0.10	47,47,47,47	0
57	MG	1A	3581	1/1	0.92	0.16	57,57,57,57	0
57	MG	2D	306	1/1	0.92	0.09	63,63,63,63	0
57	MG	2E	304	1/1	0.92	0.20	43,43,43,43	0
57	MG	2E	305	1/1	0.92	0.08	44,44,44,44	0
57	MG	1A	3341	1/1	0.92	0.14	40,40,40,40	0
57	MG	2F	301	1/1	0.92	0.07	54,54,54,54	0
57	MG	2A	3160	1/1	0.92	0.14	53,53,53,53	0
57	MG	1A	3436	1/1	0.92	0.11	41,41,41,41	0
57	MG	2O	201	1/1	0.92	0.16	64,64,64,64	0
57	MG	2O	202	1/1	0.92	0.14	58,58,58,58	0
57	MG	2A	3441	1/1	0.92	0.16	61,61,61,61	0
57	MG	1B	228	1/1	0.92	0.09	55,55,55,55	0
57	MG	1A	3299	1/1	0.92	0.26	64,64,64,64	0
57	MG	2W	201	1/1	0.92	0.14	48,48,48,48	0
57	MG	1a	1730	1/1	0.92	0.08	46,46,46,46	0
57	MG	1A	3586	1/1	0.92	0.21	50,50,50,50	0
57	MG	2A	3171	1/1	0.92	0.11	54,54,54,54	0
57	MG	1A	3587	1/1	0.92	0.17	50,50,50,50	0
57	MG	27	102	1/1	0.92	0.10	53,53,53,53	0
57	MG	27	103	1/1	0.92	0.42	41,41,41,41	0
57	MG	1A	3588	1/1	0.92	0.19	45,45,45,45	0
57	MG	1A	3074	1/1	0.92	0.22	57,57,57,57	0
57	MG	2A	3178	1/1	0.92	0.13	50,50,50,50	0
57	MG	2A	3465	1/1	0.92	0.10	40,40,40,40	0
57	MG	1A	3354	1/1	0.92	0.17	39,39,39,39	0
57	MG	1A	3002	1/1	0.92	0.09	47,47,47,47	0
57	MG	2a	1607	1/1	0.92	0.15	59,59,59,59	0
57	MG	2A	3182	1/1	0.92	0.21	56,56,56,56	0
57	MG	1A	3887	1/1	0.92	0.07	38,38,38,38	0
57	MG	2A	3185	1/1	0.92	0.21	57,57,57,57	0
57	MG	2A	3186	1/1	0.92	0.09	58,58,58,58	0
57	MG	2a	1615	1/1	0.92	0.11	58,58,58,58	0
57	MG	1a	1758	1/1	0.92	0.16	58,58,58,58	0
57	MG	1A	3362	1/1	0.92	0.37	53,53,53,53	0
57	MG	2a	1620	1/1	0.92	0.15	65,65,65,65	0
57	MG	1A	3603	1/1	0.92	0.42	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3611	1/1	0.92	0.09	49,49,49,49	0
57	MG	2A	3490	1/1	0.92	0.07	43,43,43,43	0
57	MG	1A	3626	1/1	0.92	0.12	56,56,56,56	0
57	MG	2A	3198	1/1	0.92	0.11	46,46,46,46	0
57	MG	2A	3496	1/1	0.92	0.18	44,44,44,44	0
57	MG	2A	3498	1/1	0.92	0.09	71,71,71,71	0
57	MG	1P	205	1/1	0.92	0.15	54,54,54,54	0
57	MG	1A	3907	1/1	0.92	0.09	24,24,24,24	0
57	MG	1A	3456	1/1	0.92	0.08	51,51,51,51	0
57	MG	1A	3915	1/1	0.92	0.09	60,60,60,60	0
57	MG	1R	206	1/1	0.92	0.07	32,32,32,32	0
57	MG	1a	1779	1/1	0.92	0.18	63,63,63,63	0
57	MG	1A	3366	1/1	0.92	0.06	32,32,32,32	0
57	MG	2A	3214	1/1	0.92	0.13	41,41,41,41	0
57	MG	1a	1783	1/1	0.92	0.12	47,47,47,47	0
57	MG	2A	3533	1/1	0.92	0.12	44,44,44,44	0
57	MG	1A	3001	1/1	0.92	0.07	39,39,39,39	0
57	MG	2A	3218	1/1	0.92	0.12	56,56,56,56	0
57	MG	2A	3541	1/1	0.92	0.14	44,44,44,44	0
57	MG	2a	1644	1/1	0.92	0.07	63,63,63,63	0
57	MG	1X	106	1/1	0.92	0.08	53,53,53,53	0
57	MG	1a	1792	1/1	0.92	0.15	74,74,74,74	0
57	MG	1A	3041	1/1	0.92	0.13	49,49,49,49	0
57	MG	10	104	1/1	0.92	0.12	61,61,61,61	0
57	MG	2a	1650	1/1	0.92	0.13	73,73,73,73	0
57	MG	2A	3229	1/1	0.92	0.13	57,57,57,57	0
57	MG	10	106	1/1	0.92	0.09	45,45,45,45	0
57	MG	1A	3372	1/1	0.92	0.10	50,50,50,50	0
57	MG	1A	3260	1/1	0.92	0.11	51,51,51,51	0
57	MG	1A	3305	1/1	0.92	0.23	58,58,58,58	0
57	MG	1A	3307	1/1	0.92	0.13	43,43,43,43	0
57	MG	1A	3661	1/1	0.92	0.12	42,42,42,42	0
57	MG	1A	3662	1/1	0.92	0.08	46,46,46,46	0
57	MG	1A	3475	1/1	0.92	0.24	42,42,42,42	0
57	MG	1A	3477	1/1	0.92	0.09	40,40,40,40	0
57	MG	1A	3067	1/1	0.92	0.08	30,30,30,30	0
57	MG	2a	1669	1/1	0.92	0.23	54,54,54,54	0
57	MG	1b	301	1/1	0.92	0.14	70,70,70,70	0
57	MG	17	105	1/1	0.92	0.26	55,55,55,55	0
57	MG	18	104	1/1	0.92	0.18	58,58,58,58	0
57	MG	1A	3389	1/1	0.92	0.13	54,54,54,54	0
57	MG	2A	3605	1/1	0.92	0.07	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3263	1/1	0.92	0.08	44,44,44,44	0
57	MG	2A	3610	1/1	0.92	0.09	46,46,46,46	0
57	MG	1A	3951	1/1	0.92	0.07	29,29,29,29	0
57	MG	1A	3397	1/1	0.92	0.22	60,60,60,60	0
57	MG	2A	3618	1/1	0.92	0.09	41,41,41,41	0
57	MG	1a	1613	1/1	0.92	0.20	48,48,48,48	0
57	MG	1A	3068	1/1	0.92	0.23	51,51,51,51	0
57	MG	2a	1691	1/1	0.92	0.15	52,52,52,52	0
57	MG	2A	3636	1/1	0.92	0.09	38,38,38,38	0
57	MG	1A	3166	1/1	0.92	0.12	41,41,41,41	0
57	MG	1x	101	1/1	0.92	0.27	65,65,65,65	0
57	MG	1A	3710	1/1	0.92	0.09	21,21,21,21	0
57	MG	2A	3267	1/1	0.92	0.12	52,52,52,52	0
57	MG	2A	3269	1/1	0.92	0.22	61,61,61,61	0
57	MG	2a	1704	1/1	0.92	0.10	80,80,80,80	0
57	MG	1A	3713	1/1	0.92	0.10	40,40,40,40	0
57	MG	2A	3274	1/1	0.92	0.09	80,80,80,80	0
57	MG	1A	3327	1/1	0.92	0.10	32,32,32,32	0
57	MG	2A	3662	1/1	0.92	0.13	73,73,73,73	0
57	MG	1x	112	1/1	0.92	0.24	54,54,54,54	0
57	MG	1A	3506	1/1	0.92	0.09	65,65,65,65	0
57	MG	2A	3284	1/1	0.92	0.22	67,67,67,67	0
57	MG	2A	3285	1/1	0.92	0.20	51,51,51,51	0
57	MG	2A	3287	1/1	0.92	0.11	52,52,52,52	0
57	MG	2A	3003	1/1	0.92	0.28	59,59,59,59	0
57	MG	2A	3005	1/1	0.92	0.16	55,55,55,55	0
57	MG	2A	3015	1/1	0.92	0.26	54,54,54,54	0
57	MG	1A	3719	1/1	0.92	0.09	21,21,21,21	0
57	MG	1A	3328	1/1	0.92	0.19	58,58,58,58	0
57	MG	2A	3298	1/1	0.92	0.16	64,64,64,64	0
57	MG	2A	3683	1/1	0.92	0.13	32,32,32,32	0
57	MG	2A	3023	1/1	0.92	0.20	53,53,53,53	0
57	MG	2A	3685	1/1	0.92	0.14	45,45,45,45	0
57	MG	2A	3686	1/1	0.92	0.15	77,77,77,77	0
57	MG	2A	3688	1/1	0.92	0.20	53,53,53,53	0
57	MG	1A	3409	1/1	0.92	0.23	43,43,43,43	0
57	MG	1A	3410	1/1	0.92	0.08	43,43,43,43	0
57	MG	1A	3249	1/1	0.92	0.09	49,49,49,49	0
57	MG	2a	1739	1/1	0.92	0.24	74,74,74,74	0
57	MG	1A	3280	1/1	0.92	0.13	49,49,49,49	0
57	MG	1A	3528	1/1	0.92	0.12	54,54,54,54	0
57	MG	1a	1646	1/1	0.92	0.16	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3705	1/1	0.92	0.09	49,49,49,49	0
57	MG	1A	4002	1/1	0.92	0.07	67,67,67,67	0
57	MG	2A	3711	1/1	0.92	0.13	45,45,45,45	0
57	MG	2A	3307	1/1	0.92	0.17	39,39,39,39	0
57	MG	2a	1752	1/1	0.92	0.06	65,65,65,65	0
57	MG	2a	1753	1/1	0.92	0.18	62,62,62,62	0
57	MG	1A	4005	1/1	0.92	0.08	56,56,56,56	0
57	MG	2A	3310	1/1	0.92	0.12	70,70,70,70	0
57	MG	1A	3766	1/1	0.92	0.12	37,37,37,37	0
57	MG	1a	1653	1/1	0.92	0.16	48,48,48,48	0
57	MG	2A	3723	1/1	0.92	0.08	53,53,53,53	0
57	MG	2A	3048	1/1	0.92	0.13	31,31,31,31	0
57	MG	2A	3049	1/1	0.92	0.15	40,40,40,40	0
57	MG	1A	4010	1/1	0.92	0.16	51,51,51,51	0
57	MG	1A	4012	1/1	0.92	0.13	48,48,48,48	0
57	MG	2A	3053	1/1	0.92	0.25	62,62,62,62	0
57	MG	1a	1657	1/1	0.92	0.08	53,53,53,53	0
57	MG	2a	1772	1/1	0.92	0.07	52,52,52,52	0
57	MG	2A	3740	1/1	0.92	0.15	46,46,46,46	0
57	MG	2A	3056	1/1	0.92	0.13	55,55,55,55	0
57	MG	2a	1779	1/1	0.92	0.17	55,55,55,55	0
57	MG	2A	3744	1/1	0.92	0.12	67,67,67,67	0
57	MG	2A	3328	1/1	0.92	0.16	81,81,81,81	0
57	MG	1A	3416	1/1	0.92	0.10	64,64,64,64	0
57	MG	2A	3750	1/1	0.92	0.14	47,47,47,47	0
57	MG	2A	3058	1/1	0.92	0.11	55,55,55,55	0
57	MG	1A	3417	1/1	0.92	0.10	44,44,44,44	0
57	MG	2A	3758	1/1	0.92	0.19	57,57,57,57	0
57	MG	2a	1790	1/1	0.92	0.17	60,60,60,60	0
57	MG	2A	3761	1/1	0.92	0.10	50,50,50,50	0
57	MG	1A	3418	1/1	0.92	0.11	50,50,50,50	0
57	MG	2A	3768	1/1	0.92	0.23	60,60,60,60	0
57	MG	1A	3534	1/1	0.92	0.29	32,32,32,32	0
57	MG	1A	3803	1/1	0.92	0.07	59,59,59,59	0
57	MG	2A	3774	1/1	0.92	0.14	59,59,59,59	0
57	MG	2a	1799	1/1	0.92	0.27	59,59,59,59	0
57	MG	2A	3341	1/1	0.92	0.11	55,55,55,55	0
57	MG	1A	3536	1/1	0.92	0.29	55,55,55,55	0
57	MG	1A	3540	1/1	0.92	0.10	29,29,29,29	0
57	MG	2A	3074	1/1	0.92	0.10	43,43,43,43	0
57	MG	2A	3078	1/1	0.92	0.19	55,55,55,55	0
57	MG	2a	1807	1/1	0.92	0.09	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3354	1/1	0.92	0.08	40,40,40,40	0
57	MG	1a	1671	1/1	0.92	0.18	53,53,53,53	0
57	MG	1A	3811	1/1	0.92	0.08	46,46,46,46	0
57	MG	1a	1674	1/1	0.92	0.20	45,45,45,45	0
57	MG	1A	3421	1/1	0.92	0.20	41,41,41,41	0
57	MG	2a	1816	1/1	0.92	0.15	43,43,43,43	0
57	MG	1A	3548	1/1	0.92	0.09	44,44,44,44	0
57	MG	1A	3816	1/1	0.92	0.09	40,40,40,40	0
57	MG	2a	1820	1/1	0.92	0.13	55,55,55,55	0
57	MG	1a	1680	1/1	0.92	0.10	60,60,60,60	0
57	MG	1a	1681	1/1	0.92	0.17	51,51,51,51	0
57	MG	2d	301	1/1	0.92	0.17	53,53,53,53	0
57	MG	1A	4071	1/1	0.92	0.07	46,46,46,46	0
57	MG	2A	3807	1/1	0.92	0.10	52,52,52,52	0
57	MG	2A	3814	1/1	0.92	0.16	58,58,58,58	0
57	MG	2A	3816	1/1	0.92	0.08	54,54,54,54	0
57	MG	2A	3368	1/1	0.92	0.09	45,45,45,45	0
57	MG	1A	3817	1/1	0.92	0.43	41,41,41,41	0
57	MG	2l	202	1/1	0.92	0.18	69,69,69,69	0
57	MG	1A	3827	1/1	0.92	0.19	52,52,52,52	0
57	MG	2q	201	1/1	0.92	0.20	66,66,66,66	0
57	MG	2A	3374	1/1	0.92	0.17	58,58,58,58	0
57	MG	2r	101	1/1	0.92	0.08	61,61,61,61	0
57	MG	2t	201	1/1	0.92	0.15	48,48,48,48	0
57	MG	1A	4076	1/1	0.92	0.14	57,57,57,57	0
57	MG	1A	4079	1/1	0.92	0.15	56,56,56,56	0
57	MG	1a	1691	1/1	0.92	0.23	53,53,53,53	0
57	MG	2A	3104	1/1	0.92	0.15	47,47,47,47	0
57	MG	1a	1693	1/1	0.92	0.25	50,50,50,50	0
57	MG	1A	3549	1/1	0.92	0.20	55,55,55,55	0
57	MG	1A	3281	1/1	0.92	0.13	48,48,48,48	0
57	MG	1A	3836	1/1	0.92	0.15	45,45,45,45	0
57	MG	1A	4085	1/1	0.92	0.26	42,42,42,42	0
57	MG	1A	3556	1/1	0.92	0.08	50,50,50,50	0
57	MG	2A	3390	1/1	0.92	0.06	51,51,51,51	0
57	MG	2A	3395	1/1	0.92	0.15	45,45,45,45	0
57	MG	2A	3853	1/1	0.92	0.26	62,62,62,62	0
57	MG	1A	3838	1/1	0.92	0.10	29,29,29,29	0
57	MG	27	101	1/1	0.93	0.10	48,48,48,48	0
57	MG	1a	1687	1/1	0.93	0.28	49,49,49,49	0
57	MG	2A	3568	1/1	0.93	0.10	40,40,40,40	0
57	MG	1B	229	1/1	0.93	0.17	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3236	1/1	0.93	0.08	32,32,32,32	0
57	MG	2A	3574	1/1	0.93	0.12	44,44,44,44	0
57	MG	1A	3440	1/1	0.93	0.14	55,55,55,55	0
57	MG	2A	3063	1/1	0.93	0.21	56,56,56,56	0
57	MG	2A	3291	1/1	0.93	0.21	59,59,59,59	0
57	MG	2A	3582	1/1	0.93	0.07	38,38,38,38	0
57	MG	1A	3368	1/1	0.93	0.10	52,52,52,52	0
57	MG	1A	3083	1/1	0.93	0.19	25,25,25,25	0
57	MG	2A	3587	1/1	0.93	0.10	55,55,55,55	0
57	MG	2A	3068	1/1	0.93	0.29	60,60,60,60	0
57	MG	1A	3120	1/1	0.93	0.09	40,40,40,40	0
57	MG	1A	3450	1/1	0.93	0.06	28,28,28,28	0
57	MG	2A	3072	1/1	0.93	0.08	57,57,57,57	0
57	MG	1E	311	1/1	0.93	0.12	45,45,45,45	0
57	MG	1E	312	1/1	0.93	0.04	46,46,46,46	0
57	MG	1A	3732	1/1	0.93	0.10	60,60,60,60	0
57	MG	2A	3607	1/1	0.93	0.07	33,33,33,33	0
57	MG	1F	305	1/1	0.93	0.08	34,34,34,34	0
57	MG	1A	3121	1/1	0.93	0.11	37,37,37,37	0
57	MG	1a	1711	1/1	0.93	0.14	54,54,54,54	0
57	MG	1A	3745	1/1	0.93	0.08	19,19,19,19	0
57	MG	1A	3748	1/1	0.93	0.07	17,17,17,17	0
57	MG	1N	201	1/1	0.93	0.07	47,47,47,47	0
57	MG	2A	3622	1/1	0.93	0.16	44,44,44,44	0
57	MG	1N	204	1/1	0.93	0.13	53,53,53,53	0
57	MG	2A	3626	1/1	0.93	0.09	52,52,52,52	0
57	MG	1a	1718	1/1	0.93	0.22	60,60,60,60	0
57	MG	1A	3373	1/1	0.93	0.10	52,52,52,52	0
57	MG	2A	3638	1/1	0.93	0.08	46,46,46,46	0
57	MG	2A	3639	1/1	0.93	0.08	47,47,47,47	0
57	MG	2A	3317	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	3759	1/1	0.93	0.09	49,49,49,49	0
57	MG	1A	3183	1/1	0.93	0.09	41,41,41,41	0
57	MG	2A	3647	1/1	0.93	0.11	40,40,40,40	0
57	MG	2A	3100	1/1	0.93	0.13	34,34,34,34	0
57	MG	2A	3652	1/1	0.93	0.15	49,49,49,49	0
57	MG	1P	206	1/1	0.93	0.13	48,48,48,48	0
57	MG	1A	3190	1/1	0.93	0.15	25,25,25,25	0
57	MG	2A	3657	1/1	0.93	0.12	58,58,58,58	0
57	MG	1a	1729	1/1	0.93	0.10	58,58,58,58	0
57	MG	2A	3661	1/1	0.93	0.11	56,56,56,56	0
57	MG	2A	3106	1/1	0.93	0.18	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3950	1/1	0.93	0.15	42,42,42,42	0
57	MG	2A	3330	1/1	0.93	0.08	55,55,55,55	0
57	MG	1a	1732	1/1	0.93	0.12	40,40,40,40	0
57	MG	1a	1734	1/1	0.93	0.08	46,46,46,46	0
57	MG	1A	3769	1/1	0.93	0.08	24,24,24,24	0
57	MG	2A	3336	1/1	0.93	0.21	58,58,58,58	0
57	MG	2A	3337	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	3382	1/1	0.93	0.06	52,52,52,52	0
57	MG	1A	3956	1/1	0.93	0.08	45,45,45,45	0
57	MG	1A	3084	1/1	0.93	0.09	33,33,33,33	0
57	MG	2a	1670	1/1	0.93	0.19	58,58,58,58	0
57	MG	1a	1739	1/1	0.93	0.16	54,54,54,54	0
57	MG	2A	3345	1/1	0.93	0.13	39,39,39,39	0
57	MG	1U	203	1/1	0.93	0.19	63,63,63,63	0
57	MG	2A	3123	1/1	0.93	0.07	74,74,74,74	0
57	MG	1U	206	1/1	0.93	0.15	48,48,48,48	0
57	MG	2A	3135	1/1	0.93	0.15	39,39,39,39	0
57	MG	1a	1752	1/1	0.93	0.10	56,56,56,56	0
57	MG	1a	1754	1/1	0.93	0.11	38,38,38,38	0
57	MG	1a	1756	1/1	0.93	0.20	57,57,57,57	0
57	MG	1U	209	1/1	0.93	0.17	38,38,38,38	0
57	MG	2a	1687	1/1	0.93	0.23	57,57,57,57	0
57	MG	2A	3694	1/1	0.93	0.06	41,41,41,41	0
57	MG	1U	210	1/1	0.93	0.08	37,37,37,37	0
57	MG	2A	3151	1/1	0.93	0.13	59,59,59,59	0
57	MG	2A	3703	1/1	0.93	0.10	32,32,32,32	0
57	MG	1V	206	1/1	0.93	0.10	39,39,39,39	0
57	MG	1A	3059	1/1	0.93	0.17	51,51,51,51	0
57	MG	1A	3961	1/1	0.93	0.07	49,49,49,49	0
57	MG	2a	1698	1/1	0.93	0.07	74,74,74,74	0
57	MG	2a	1700	1/1	0.93	0.23	60,60,60,60	0
57	MG	1Z	301	1/1	0.93	0.12	46,46,46,46	0
57	MG	2A	3370	1/1	0.93	0.15	66,66,66,66	0
57	MG	2A	3371	1/1	0.93	0.09	57,57,57,57	0
57	MG	2A	3163	1/1	0.93	0.12	39,39,39,39	0
57	MG	2A	3721	1/1	0.93	0.14	48,48,48,48	0
57	MG	1A	3796	1/1	0.93	0.15	45,45,45,45	0
57	MG	1a	1773	1/1	0.93	0.12	53,53,53,53	0
57	MG	1A	3800	1/1	0.93	0.08	21,21,21,21	0
57	MG	1A	3469	1/1	0.93	0.07	47,47,47,47	0
57	MG	2A	3377	1/1	0.93	0.14	53,53,53,53	0
57	MG	2A	3169	1/1	0.93	0.12	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1776	1/1	0.93	0.09	67,67,67,67	0
57	MG	1A	3308	1/1	0.93	0.25	52,52,52,52	0
57	MG	1A	3981	1/1	0.93	0.07	27,27,27,27	0
57	MG	1A	3312	1/1	0.93	0.07	41,41,41,41	0
57	MG	1A	3020	1/1	0.93	0.14	43,43,43,43	0
57	MG	1A	3320	1/1	0.93	0.10	57,57,57,57	0
57	MG	1A	3401	1/1	0.93	0.08	38,38,38,38	0
57	MG	15	107	1/1	0.93	0.07	30,30,30,30	0
57	MG	2A	3391	1/1	0.93	0.13	51,51,51,51	0
57	MG	1A	3097	1/1	0.93	0.18	41,41,41,41	0
57	MG	1A	3045	1/1	0.93	0.16	51,51,51,51	0
57	MG	2A	3759	1/1	0.93	0.08	63,63,63,63	0
57	MG	1A	3111	1/1	0.93	0.08	30,30,30,30	0
57	MG	18	102	1/1	0.93	0.16	34,34,34,34	0
57	MG	2A	3406	1/1	0.93	0.11	44,44,44,44	0
57	MG	2A	3769	1/1	0.93	0.10	45,45,45,45	0
57	MG	1A	3617	1/1	0.93	0.17	54,54,54,54	0
57	MG	2A	3411	1/1	0.93	0.19	56,56,56,56	0
57	MG	1A	4003	1/1	0.93	0.09	48,48,48,48	0
57	MG	2A	3415	1/1	0.93	0.23	47,47,47,47	0
57	MG	1A	3618	1/1	0.93	0.14	36,36,36,36	0
57	MG	2a	1747	1/1	0.93	0.26	63,63,63,63	0
57	MG	2A	3778	1/1	0.93	0.12	52,52,52,52	0
57	MG	2A	3192	1/1	0.93	0.47	65,65,65,65	0
57	MG	1A	3205	1/1	0.93	0.09	51,51,51,51	0
57	MG	2A	3783	1/1	0.93	0.10	77,77,77,77	0
57	MG	1A	3835	1/1	0.93	0.09	56,56,56,56	0
57	MG	1A	3155	1/1	0.93	0.38	36,36,36,36	0
57	MG	2A	3427	1/1	0.93	0.23	54,54,54,54	0
57	MG	2A	3788	1/1	0.93	0.14	41,41,41,41	0
57	MG	1A	3503	1/1	0.93	0.20	55,55,55,55	0
57	MG	1A	3635	1/1	0.93	0.06	39,39,39,39	0
57	MG	1A	3411	1/1	0.93	0.10	27,27,27,27	0
57	MG	1A	3215	1/1	0.93	0.14	40,40,40,40	0
57	MG	1A	3266	1/1	0.93	0.11	45,45,45,45	0
57	MG	1j	201	1/1	0.93	0.30	58,58,58,58	0
57	MG	1A	4031	1/1	0.93	0.06	45,45,45,45	0
57	MG	1A	3644	1/1	0.93	0.10	43,43,43,43	0
57	MG	2A	3803	1/1	0.93	0.12	43,43,43,43	0
57	MG	1A	3851	1/1	0.93	0.08	22,22,22,22	0
57	MG	2A	3813	1/1	0.93	0.14	49,49,49,49	0
57	MG	2a	1780	1/1	0.93	0.19	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1632	1/1	0.93	0.13	51,51,51,51	0
57	MG	1A	4057	1/1	0.93	0.07	43,43,43,43	0
57	MG	1A	3508	1/1	0.93	0.13	49,49,49,49	0
57	MG	1A	4059	1/1	0.93	0.07	38,38,38,38	0
57	MG	2A	3825	1/1	0.93	0.08	61,61,61,61	0
57	MG	1A	4065	1/1	0.93	0.24	54,54,54,54	0
57	MG	1w	105	1/1	0.93	0.07	54,54,54,54	0
57	MG	1a	1643	1/1	0.93	0.12	38,38,38,38	0
57	MG	1A	3857	1/1	0.93	0.10	34,34,34,34	0
57	MG	2a	1793	1/1	0.93	0.11	51,51,51,51	0
57	MG	1A	4068	1/1	0.93	0.19	61,61,61,61	0
57	MG	1A	3649	1/1	0.93	0.16	39,39,39,39	0
57	MG	1A	3861	1/1	0.93	0.09	45,45,45,45	0
57	MG	1A	3652	1/1	0.93	0.10	39,39,39,39	0
57	MG	2A	3002	1/1	0.93	0.25	46,46,46,46	0
57	MG	1A	3866	1/1	0.93	0.14	43,43,43,43	0
57	MG	2A	3474	1/1	0.93	0.24	42,42,42,42	0
57	MG	2A	3475	1/1	0.93	0.30	51,51,51,51	0
57	MG	2A	3477	1/1	0.93	0.26	53,53,53,53	0
57	MG	2A	3478	1/1	0.93	0.14	51,51,51,51	0
57	MG	1A	3510	1/1	0.93	0.28	43,43,43,43	0
57	MG	2A	3480	1/1	0.93	0.08	53,53,53,53	0
57	MG	2A	3481	1/1	0.93	0.16	61,61,61,61	0
57	MG	1A	3220	1/1	0.93	0.08	38,38,38,38	0
57	MG	1A	3157	1/1	0.93	0.09	41,41,41,41	0
57	MG	1A	3077	1/1	0.93	0.23	48,48,48,48	0
57	MG	2A	3243	1/1	0.93	0.07	51,51,51,51	0
57	MG	2A	3244	1/1	0.93	0.08	39,39,39,39	0
57	MG	1A	3524	1/1	0.93	0.07	29,29,29,29	0
57	MG	1A	3525	1/1	0.93	0.22	48,48,48,48	0
57	MG	2a	1819	1/1	0.93	0.10	56,56,56,56	0
57	MG	2A	3249	1/1	0.93	0.07	46,46,46,46	0
57	MG	2A	3250	1/1	0.93	0.06	53,53,53,53	0
57	MG	1A	3881	1/1	0.93	0.12	47,47,47,47	0
57	MG	2A	3502	1/1	0.93	0.13	60,60,60,60	0
57	MG	2B	216	1/1	0.93	0.09	54,54,54,54	0
57	MG	1A	3671	1/1	0.93	0.13	32,32,32,32	0
57	MG	1A	3673	1/1	0.93	0.06	21,21,21,21	0
57	MG	2A	3507	1/1	0.93	0.11	35,35,35,35	0
57	MG	1A	3230	1/1	0.93	0.14	48,48,48,48	0
57	MG	2D	301	1/1	0.93	0.15	53,53,53,53	0
57	MG	1A	3282	1/1	0.93	0.09	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2E	302	1/1	0.93	0.06	43,43,43,43	0
57	MG	2E	303	1/1	0.93	0.16	52,52,52,52	0
57	MG	1A	3283	1/1	0.93	0.19	34,34,34,34	0
57	MG	2A	3524	1/1	0.93	0.08	52,52,52,52	0
57	MG	1a	1673	1/1	0.93	0.19	52,52,52,52	0
57	MG	1A	3162	1/1	0.93	0.18	50,50,50,50	0
57	MG	1A	3292	1/1	0.93	0.17	41,41,41,41	0
57	MG	1B	212	1/1	0.93	0.10	43,43,43,43	0
57	MG	2A	3268	1/1	0.93	0.17	76,76,76,76	0
57	MG	2w	103	1/1	0.93	0.06	77,77,77,77	0
57	MG	1A	3904	1/1	0.93	0.29	34,34,34,34	0
57	MG	1A	3297	1/1	0.93	0.16	41,41,41,41	0
57	MG	1A	3909	1/1	0.93	0.15	44,44,44,44	0
57	MG	1B	224	1/1	0.93	0.05	36,36,36,36	0
57	MG	2A	3551	1/1	0.93	0.13	42,42,42,42	0
57	MG	2A	3553	1/1	0.93	0.14	42,42,42,42	0
57	MG	1A	3298	1/1	0.93	0.06	29,29,29,29	0
57	MG	2x	106	1/1	0.93	0.09	43,43,43,43	0
57	MG	1A	3437	1/1	0.93	0.16	48,48,48,48	0
57	MG	20	102	1/1	0.93	0.09	51,51,51,51	0
57	MG	2A	3282	1/1	0.93	0.07	50,50,50,50	0
59	ERY	2A	3857	51/51	0.93	0.13	26,54,66,69	0
57	MG	2A	3205	1/1	0.94	0.08	59,59,59,59	0
57	MG	2B	209	1/1	0.94	0.08	65,65,65,65	0
57	MG	2B	210	1/1	0.94	0.19	55,55,55,55	0
57	MG	1A	3765	1/1	0.94	0.10	15,15,15,15	0
57	MG	2A	3473	1/1	0.94	0.06	58,58,58,58	0
57	MG	1A	3562	1/1	0.94	0.13	36,36,36,36	0
57	MG	1a	1785	1/1	0.94	0.14	37,37,37,37	0
57	MG	1A	3564	1/1	0.94	0.15	43,43,43,43	0
57	MG	1A	3345	1/1	0.94	0.12	61,61,61,61	0
57	MG	1A	3772	1/1	0.94	0.09	38,38,38,38	0
57	MG	2A	3217	1/1	0.94	0.28	40,40,40,40	0
57	MG	1A	3346	1/1	0.94	0.05	34,34,34,34	0
57	MG	2A	3482	1/1	0.94	0.18	42,42,42,42	0
57	MG	1A	3570	1/1	0.94	0.09	31,31,31,31	0
57	MG	1A	3572	1/1	0.94	0.07	48,48,48,48	0
57	MG	15	108	1/1	0.94	0.08	49,49,49,49	0
57	MG	1A	3218	1/1	0.94	0.07	47,47,47,47	0
57	MG	1A	3348	1/1	0.94	0.09	51,51,51,51	0
57	MG	2A	3492	1/1	0.94	0.06	38,38,38,38	0
57	MG	2E	306	1/1	0.94	0.08	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3219	1/1	0.94	0.16	38,38,38,38	0
57	MG	2A	3494	1/1	0.94	0.14	47,47,47,47	0
57	MG	1A	3156	1/1	0.94	0.07	29,29,29,29	0
57	MG	1a	1805	1/1	0.94	0.12	65,65,65,65	0
57	MG	2A	3497	1/1	0.94	0.07	44,44,44,44	0
57	MG	1A	3285	1/1	0.94	0.10	49,49,49,49	0
57	MG	1A	3447	1/1	0.94	0.11	47,47,47,47	0
57	MG	1a	1808	1/1	0.94	0.12	61,61,61,61	0
57	MG	1A	3024	1/1	0.94	0.15	32,32,32,32	0
57	MG	2U	202	1/1	0.94	0.05	41,41,41,41	0
57	MG	18	107	1/1	0.94	0.14	36,36,36,36	0
57	MG	1A	4019	1/1	0.94	0.10	49,49,49,49	0
57	MG	2A	3510	1/1	0.94	0.16	44,44,44,44	0
57	MG	1a	1605	1/1	0.94	0.08	63,63,63,63	0
57	MG	1A	4020	1/1	0.94	0.10	30,30,30,30	0
57	MG	20	103	1/1	0.94	0.11	65,65,65,65	0
57	MG	1a	1609	1/1	0.94	0.06	38,38,38,38	0
57	MG	25	101	1/1	0.94	0.10	51,51,51,51	0
57	MG	2A	3521	1/1	0.94	0.06	35,35,35,35	0
57	MG	2A	3523	1/1	0.94	0.10	39,39,39,39	0
57	MG	1a	1610	1/1	0.94	0.08	61,61,61,61	0
57	MG	27	104	1/1	0.94	0.18	50,50,50,50	0
57	MG	2A	3526	1/1	0.94	0.12	50,50,50,50	0
57	MG	2A	3245	1/1	0.94	0.09	55,55,55,55	0
57	MG	1a	1611	1/1	0.94	0.11	28,28,28,28	0
57	MG	1A	3363	1/1	0.94	0.21	55,55,55,55	0
57	MG	2A	3248	1/1	0.94	0.09	51,51,51,51	0
57	MG	1a	1614	1/1	0.94	0.05	60,60,60,60	0
57	MG	1A	3815	1/1	0.94	0.08	59,59,59,59	0
57	MG	2a	1608	1/1	0.94	0.08	56,56,56,56	0
57	MG	2A	3537	1/1	0.94	0.12	42,42,42,42	0
57	MG	1A	4024	1/1	0.94	0.08	53,53,53,53	0
57	MG	1A	3364	1/1	0.94	0.10	41,41,41,41	0
57	MG	1A	3287	1/1	0.94	0.08	58,58,58,58	0
57	MG	1a	1624	1/1	0.94	0.21	44,44,44,44	0
57	MG	2a	1616	1/1	0.94	0.09	67,67,67,67	0
57	MG	1a	1625	1/1	0.94	0.18	43,43,43,43	0
57	MG	2A	3554	1/1	0.94	0.10	46,46,46,46	0
57	MG	2A	3259	1/1	0.94	0.08	70,70,70,70	0
57	MG	2A	3557	1/1	0.94	0.10	41,41,41,41	0
57	MG	2A	3559	1/1	0.94	0.07	32,32,32,32	0
57	MG	1a	1626	1/1	0.94	0.22	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1x	110	1/1	0.94	0.13	50,50,50,50	0
57	MG	1A	3819	1/1	0.94	0.08	18,18,18,18	0
57	MG	1A	4038	1/1	0.94	0.12	42,42,42,42	0
57	MG	2A	3265	1/1	0.94	0.08	58,58,58,58	0
57	MG	2a	1629	1/1	0.94	0.16	58,58,58,58	0
57	MG	2A	3570	1/1	0.94	0.07	39,39,39,39	0
57	MG	1A	3821	1/1	0.94	0.12	38,38,38,38	0
57	MG	1A	3826	1/1	0.94	0.18	48,48,48,48	0
57	MG	1a	1631	1/1	0.94	0.19	55,55,55,55	0
57	MG	2A	3271	1/1	0.94	0.10	43,43,43,43	0
57	MG	2A	3272	1/1	0.94	0.10	36,36,36,36	0
57	MG	2A	3580	1/1	0.94	0.14	48,48,48,48	0
57	MG	2A	3009	1/1	0.94	0.13	57,57,57,57	0
57	MG	1A	3592	1/1	0.94	0.13	34,34,34,34	0
57	MG	2A	3016	1/1	0.94	0.22	48,48,48,48	0
57	MG	1A	3288	1/1	0.94	0.08	47,47,47,47	0
57	MG	1A	3832	1/1	0.94	0.06	41,41,41,41	0
57	MG	2A	3280	1/1	0.94	0.13	39,39,39,39	0
57	MG	1A	4060	1/1	0.94	0.10	31,31,31,31	0
57	MG	2A	3027	1/1	0.94	0.22	51,51,51,51	0
57	MG	1A	3112	1/1	0.94	0.15	40,40,40,40	0
57	MG	1A	4066	1/1	0.94	0.14	51,51,51,51	0
57	MG	1A	3296	1/1	0.94	0.23	41,41,41,41	0
57	MG	2a	1649	1/1	0.94	0.11	70,70,70,70	0
57	MG	1A	3025	1/1	0.94	0.13	35,35,35,35	0
57	MG	1A	3604	1/1	0.94	0.11	49,49,49,49	0
57	MG	2A	3037	1/1	0.94	0.09	33,33,33,33	0
57	MG	2a	1653	1/1	0.94	0.12	58,58,58,58	0
57	MG	2A	3611	1/1	0.94	0.18	41,41,41,41	0
57	MG	1A	3231	1/1	0.94	0.06	48,48,48,48	0
57	MG	1A	3612	1/1	0.94	0.10	21,21,21,21	0
57	MG	1A	3613	1/1	0.94	0.12	49,49,49,49	0
57	MG	1A	3468	1/1	0.94	0.19	45,45,45,45	0
57	MG	2A	3046	1/1	0.94	0.10	44,44,44,44	0
57	MG	1A	3377	1/1	0.94	0.27	37,37,37,37	0
57	MG	1A	4078	1/1	0.94	0.15	45,45,45,45	0
57	MG	2a	1664	1/1	0.94	0.18	44,44,44,44	0
57	MG	2A	3628	1/1	0.94	0.11	41,41,41,41	0
57	MG	2a	1667	1/1	0.94	0.30	57,57,57,57	0
57	MG	2A	3631	1/1	0.94	0.08	48,48,48,48	0
57	MG	1A	3623	1/1	0.94	0.17	16,16,16,16	0
57	MG	1A	3048	1/1	0.94	0.07	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3627	1/1	0.94	0.12	32,32,32,32	0
57	MG	1A	3859	1/1	0.94	0.13	58,58,58,58	0
57	MG	2A	3640	1/1	0.94	0.08	57,57,57,57	0
57	MG	1A	4083	1/1	0.94	0.07	54,54,54,54	0
57	MG	2A	3308	1/1	0.94	0.08	45,45,45,45	0
57	MG	1A	4084	1/1	0.94	0.09	49,49,49,49	0
57	MG	1A	3234	1/1	0.94	0.19	53,53,53,53	0
57	MG	2A	3311	1/1	0.94	0.10	50,50,50,50	0
57	MG	2A	3313	1/1	0.94	0.11	52,52,52,52	0
57	MG	1A	3472	1/1	0.94	0.12	53,53,53,53	0
57	MG	1A	3473	1/1	0.94	0.18	61,61,61,61	0
57	MG	2a	1689	1/1	0.94	0.19	58,58,58,58	0
57	MG	2A	3061	1/1	0.94	0.17	48,48,48,48	0
57	MG	1B	205	1/1	0.94	0.21	51,51,51,51	0
57	MG	2A	3659	1/1	0.94	0.09	53,53,53,53	0
57	MG	1A	3636	1/1	0.94	0.08	17,17,17,17	0
57	MG	1A	3474	1/1	0.94	0.26	46,46,46,46	0
57	MG	1A	3061	1/1	0.94	0.12	58,58,58,58	0
57	MG	1A	3062	1/1	0.94	0.19	38,38,38,38	0
57	MG	1a	1679	1/1	0.94	0.07	71,71,71,71	0
57	MG	1A	3478	1/1	0.94	0.13	41,41,41,41	0
57	MG	1A	3387	1/1	0.94	0.16	37,37,37,37	0
57	MG	1A	3181	1/1	0.94	0.09	47,47,47,47	0
57	MG	2A	3077	1/1	0.94	0.13	48,48,48,48	0
57	MG	2A	3331	1/1	0.94	0.07	64,64,64,64	0
57	MG	1B	215	1/1	0.94	0.20	58,58,58,58	0
57	MG	1A	3880	1/1	0.94	0.09	25,25,25,25	0
57	MG	1B	217	1/1	0.94	0.07	54,54,54,54	0
57	MG	2A	3085	1/1	0.94	0.09	50,50,50,50	0
57	MG	1A	3122	1/1	0.94	0.07	31,31,31,31	0
57	MG	2A	3338	1/1	0.94	0.06	49,49,49,49	0
57	MG	1A	3247	1/1	0.94	0.06	51,51,51,51	0
57	MG	2a	1716	1/1	0.94	0.14	57,57,57,57	0
57	MG	1A	3392	1/1	0.94	0.29	50,50,50,50	0
57	MG	1A	3659	1/1	0.94	0.08	37,37,37,37	0
57	MG	2A	3342	1/1	0.94	0.18	51,51,51,51	0
57	MG	1A	3497	1/1	0.94	0.13	59,59,59,59	0
57	MG	1A	3891	1/1	0.94	0.16	33,33,33,33	0
57	MG	2a	1724	1/1	0.94	0.13	55,55,55,55	0
57	MG	1a	1696	1/1	0.94	0.10	56,56,56,56	0
57	MG	1a	1697	1/1	0.94	0.12	44,44,44,44	0
57	MG	2A	3352	1/1	0.94	0.06	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1729	1/1	0.94	0.10	52,52,52,52	0
57	MG	2a	1730	1/1	0.94	0.22	59,59,59,59	0
57	MG	1A	3395	1/1	0.94	0.08	41,41,41,41	0
57	MG	2A	3704	1/1	0.94	0.10	42,42,42,42	0
57	MG	1A	3896	1/1	0.94	0.13	45,45,45,45	0
57	MG	1a	1701	1/1	0.94	0.15	61,61,61,61	0
57	MG	1a	1702	1/1	0.94	0.15	41,41,41,41	0
57	MG	2A	3712	1/1	0.94	0.07	41,41,41,41	0
57	MG	2A	3102	1/1	0.94	0.07	56,56,56,56	0
57	MG	2a	1740	1/1	0.94	0.19	52,52,52,52	0
57	MG	2A	3715	1/1	0.94	0.06	51,51,51,51	0
57	MG	1A	3663	1/1	0.94	0.11	44,44,44,44	0
57	MG	1A	3188	1/1	0.94	0.27	40,40,40,40	0
57	MG	2A	3362	1/1	0.94	0.16	58,58,58,58	0
57	MG	1D	301	1/1	0.94	0.16	31,31,31,31	0
57	MG	1A	3063	1/1	0.94	0.18	33,33,33,33	0
57	MG	1E	303	1/1	0.94	0.17	32,32,32,32	0
57	MG	1E	308	1/1	0.94	0.08	21,21,21,21	0
57	MG	1A	3127	1/1	0.94	0.39	42,42,42,42	0
57	MG	1A	3315	1/1	0.94	0.15	33,33,33,33	0
57	MG	2A	3732	1/1	0.94	0.08	49,49,49,49	0
57	MG	2A	3114	1/1	0.94	0.09	56,56,56,56	0
57	MG	2a	1757	1/1	0.94	0.10	52,52,52,52	0
57	MG	1A	3675	1/1	0.94	0.07	33,33,33,33	0
57	MG	2A	3736	1/1	0.94	0.12	53,53,53,53	0
57	MG	1A	3251	1/1	0.94	0.09	26,26,26,26	0
57	MG	2a	1762	1/1	0.94	0.22	57,57,57,57	0
57	MG	1A	3091	1/1	0.94	0.10	43,43,43,43	0
57	MG	1A	3095	1/1	0.94	0.18	41,41,41,41	0
57	MG	1G	202	1/1	0.94	0.11	38,38,38,38	0
57	MG	2A	3124	1/1	0.94	0.10	52,52,52,52	0
57	MG	2a	1768	1/1	0.94	0.10	73,73,73,73	0
57	MG	1a	1722	1/1	0.94	0.10	52,52,52,52	0
57	MG	1A	3701	1/1	0.94	0.09	25,25,25,25	0
57	MG	2A	3380	1/1	0.94	0.05	46,46,46,46	0
57	MG	2a	1774	1/1	0.94	0.07	63,63,63,63	0
57	MG	2A	3136	1/1	0.94	0.06	33,33,33,33	0
57	MG	1A	3131	1/1	0.94	0.18	39,39,39,39	0
57	MG	2a	1778	1/1	0.94	0.11	37,37,37,37	0
57	MG	1A	3141	1/1	0.94	0.14	18,18,18,18	0
57	MG	2A	3385	1/1	0.94	0.05	52,52,52,52	0
57	MG	1A	3412	1/1	0.94	0.09	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1731	1/1	0.94	0.11	41,41,41,41	0
57	MG	1A	3258	1/1	0.94	0.08	61,61,61,61	0
57	MG	1A	3008	1/1	0.94	0.06	31,31,31,31	0
57	MG	1A	3716	1/1	0.94	0.08	48,48,48,48	0
57	MG	2A	3773	1/1	0.94	0.07	57,57,57,57	0
57	MG	1A	3051	1/1	0.94	0.23	38,38,38,38	0
57	MG	1A	3022	1/1	0.94	0.10	42,42,42,42	0
57	MG	2A	3398	1/1	0.94	0.23	53,53,53,53	0
57	MG	1R	202	1/1	0.94	0.10	27,27,27,27	0
57	MG	2A	3400	1/1	0.94	0.14	51,51,51,51	0
57	MG	2A	3781	1/1	0.94	0.07	56,56,56,56	0
57	MG	2A	3401	1/1	0.94	0.28	43,43,43,43	0
57	MG	2A	3402	1/1	0.94	0.23	48,48,48,48	0
57	MG	1A	3208	1/1	0.94	0.09	40,40,40,40	0
57	MG	1R	205	1/1	0.94	0.13	29,29,29,29	0
57	MG	1a	1745	1/1	0.94	0.15	55,55,55,55	0
57	MG	1A	3419	1/1	0.94	0.08	48,48,48,48	0
57	MG	2a	1802	1/1	0.94	0.10	39,39,39,39	0
57	MG	2A	3413	1/1	0.94	0.29	54,54,54,54	0
57	MG	1a	1748	1/1	0.94	0.10	53,53,53,53	0
57	MG	1a	1751	1/1	0.94	0.14	44,44,44,44	0
57	MG	2A	3416	1/1	0.94	0.28	45,45,45,45	0
57	MG	2A	3797	1/1	0.94	0.16	51,51,51,51	0
57	MG	1A	3420	1/1	0.94	0.15	28,28,28,28	0
57	MG	2a	1810	1/1	0.94	0.21	56,56,56,56	0
57	MG	2A	3418	1/1	0.94	0.07	58,58,58,58	0
57	MG	1A	3726	1/1	0.94	0.10	22,22,22,22	0
57	MG	1a	1755	1/1	0.94	0.11	51,51,51,51	0
57	MG	1A	3337	1/1	0.94	0.17	42,42,42,42	0
57	MG	2A	3175	1/1	0.94	0.19	49,49,49,49	0
57	MG	2A	3808	1/1	0.94	0.06	29,29,29,29	0
57	MG	2A	3425	1/1	0.94	0.12	31,31,31,31	0
57	MG	2A	3176	1/1	0.94	0.13	42,42,42,42	0
57	MG	1U	204	1/1	0.94	0.12	46,46,46,46	0
57	MG	1A	3210	1/1	0.94	0.11	49,49,49,49	0
57	MG	1a	1759	1/1	0.94	0.08	45,45,45,45	0
57	MG	2A	3823	1/1	0.94	0.09	52,52,52,52	0
57	MG	1a	1760	1/1	0.94	0.17	50,50,50,50	0
57	MG	2f	202	1/1	0.94	0.09	63,63,63,63	0
57	MG	1A	3212	1/1	0.94	0.12	55,55,55,55	0
57	MG	1a	1764	1/1	0.94	0.07	55,55,55,55	0
57	MG	2A	3437	1/1	0.94	0.09	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3832	1/1	0.94	0.14	56,56,56,56	0
57	MG	1A	3743	1/1	0.94	0.07	60,60,60,60	0
57	MG	2A	3439	1/1	0.94	0.06	50,50,50,50	0
57	MG	1a	1766	1/1	0.94	0.08	65,65,65,65	0
57	MG	1V	202	1/1	0.94	0.30	49,49,49,49	0
57	MG	2q	203	1/1	0.94	0.15	60,60,60,60	0
57	MG	2A	3443	1/1	0.94	0.20	48,48,48,48	0
57	MG	1A	3545	1/1	0.94	0.23	48,48,48,48	0
57	MG	1V	207	1/1	0.94	0.07	56,56,56,56	0
57	MG	2A	3843	1/1	0.94	0.16	49,49,49,49	0
57	MG	2A	3844	1/1	0.94	0.17	53,53,53,53	0
57	MG	2A	3190	1/1	0.94	0.18	43,43,43,43	0
57	MG	2A	3453	1/1	0.94	0.14	68,68,68,68	0
57	MG	2A	3849	1/1	0.94	0.09	53,53,53,53	0
57	MG	1W	203	1/1	0.94	0.15	42,42,42,42	0
57	MG	1W	207	1/1	0.94	0.10	38,38,38,38	0
57	MG	1A	3104	1/1	0.94	0.12	33,33,33,33	0
57	MG	1A	3425	1/1	0.94	0.09	41,41,41,41	0
57	MG	2B	201	1/1	0.94	0.08	57,57,57,57	0
57	MG	1A	3753	1/1	0.94	0.10	38,38,38,38	0
57	MG	2A	3461	1/1	0.94	0.08	54,54,54,54	0
57	MG	2z	101	1/1	0.94	0.07	50,50,50,50	0
57	MG	10	103	1/1	0.94	0.11	43,43,43,43	0
57	MG	1A	3217	1/1	0.94	0.13	36,36,36,36	0
57	MG	2A	3202	1/1	0.94	0.06	49,49,49,49	0
57	MG	1A	3430	1/1	0.94	0.16	36,36,36,36	0
57	MG	1F	304	1/1	0.95	0.09	42,42,42,42	0
57	MG	1A	3908	1/1	0.95	0.09	23,23,23,23	0
57	MG	1A	3375	1/1	0.95	0.13	50,50,50,50	0
57	MG	2A	3839	1/1	0.95	0.10	41,41,41,41	0
57	MG	1A	3544	1/1	0.95	0.14	49,49,49,49	0
57	MG	2A	3167	1/1	0.95	0.10	48,48,48,48	0
57	MG	1G	201	1/1	0.95	0.09	36,36,36,36	0
57	MG	1A	3912	1/1	0.95	0.07	60,60,60,60	0
57	MG	1A	3711	1/1	0.95	0.09	41,41,41,41	0
57	MG	2A	3450	1/1	0.95	0.20	39,39,39,39	0
57	MG	2A	3451	1/1	0.95	0.11	38,38,38,38	0
57	MG	1I	201	1/1	0.95	0.07	53,53,53,53	0
57	MG	1A	3376	1/1	0.95	0.17	38,38,38,38	0
57	MG	1N	203	1/1	0.95	0.09	52,52,52,52	0
57	MG	1A	3715	1/1	0.95	0.08	50,50,50,50	0
57	MG	1a	1743	1/1	0.95	0.09	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3855	1/1	0.95	0.15	63,63,63,63	0
57	MG	2A	3856	1/1	0.95	0.07	52,52,52,52	0
57	MG	1a	1744	1/1	0.95	0.10	48,48,48,48	0
57	MG	1A	3919	1/1	0.95	0.08	45,45,45,45	0
57	MG	2A	3179	1/1	0.95	0.15	43,43,43,43	0
57	MG	2A	3462	1/1	0.95	0.15	45,45,45,45	0
57	MG	1A	3317	1/1	0.95	0.14	47,47,47,47	0
57	MG	1P	204	1/1	0.95	0.19	35,35,35,35	0
57	MG	2A	3467	1/1	0.95	0.10	40,40,40,40	0
57	MG	1a	1750	1/1	0.95	0.12	40,40,40,40	0
57	MG	1A	3925	1/1	0.95	0.08	40,40,40,40	0
57	MG	1A	3318	1/1	0.95	0.12	37,37,37,37	0
57	MG	2A	3471	1/1	0.95	0.15	55,55,55,55	0
57	MG	1A	3551	1/1	0.95	0.12	23,23,23,23	0
57	MG	1Q	206	1/1	0.95	0.05	39,39,39,39	0
57	MG	1A	3552	1/1	0.95	0.08	42,42,42,42	0
57	MG	1R	201	1/1	0.95	0.18	38,38,38,38	0
57	MG	2A	3476	1/1	0.95	0.18	28,28,28,28	0
57	MG	1A	3049	1/1	0.95	0.07	34,34,34,34	0
57	MG	2A	3191	1/1	0.95	0.12	69,69,69,69	0
57	MG	1A	3724	1/1	0.95	0.12	53,53,53,53	0
57	MG	1A	3268	1/1	0.95	0.07	51,51,51,51	0
57	MG	1a	1762	1/1	0.95	0.09	49,49,49,49	0
57	MG	2D	304	1/1	0.95	0.21	47,47,47,47	0
57	MG	2A	3196	1/1	0.95	0.06	41,41,41,41	0
57	MG	1A	3452	1/1	0.95	0.06	46,46,46,46	0
57	MG	1A	3321	1/1	0.95	0.17	34,34,34,34	0
57	MG	1A	3386	1/1	0.95	0.16	43,43,43,43	0
57	MG	1A	3946	1/1	0.95	0.10	32,32,32,32	0
57	MG	1A	3738	1/1	0.95	0.14	51,51,51,51	0
57	MG	2E	308	1/1	0.95	0.11	39,39,39,39	0
57	MG	1A	3948	1/1	0.95	0.06	29,29,29,29	0
57	MG	1A	3233	1/1	0.95	0.27	35,35,35,35	0
57	MG	1A	3567	1/1	0.95	0.06	38,38,38,38	0
57	MG	2F	303	1/1	0.95	0.12	57,57,57,57	0
57	MG	1A	3569	1/1	0.95	0.17	46,46,46,46	0
57	MG	2A	3211	1/1	0.95	0.16	41,41,41,41	0
57	MG	1A	3953	1/1	0.95	0.10	53,53,53,53	0
57	MG	2P	201	1/1	0.95	0.05	43,43,43,43	0
57	MG	2A	3213	1/1	0.95	0.12	54,54,54,54	0
57	MG	1A	3090	1/1	0.95	0.07	38,38,38,38	0
57	MG	2R	203	1/1	0.95	0.25	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3501	1/1	0.95	0.14	45,45,45,45	0
57	MG	2T	203	1/1	0.95	0.05	38,38,38,38	0
57	MG	1W	202	1/1	0.95	0.10	46,46,46,46	0
57	MG	2A	3503	1/1	0.95	0.09	57,57,57,57	0
57	MG	1A	3460	1/1	0.95	0.12	40,40,40,40	0
57	MG	1A	3752	1/1	0.95	0.05	26,26,26,26	0
57	MG	1X	101	1/1	0.95	0.07	52,52,52,52	0
57	MG	1A	3958	1/1	0.95	0.09	53,53,53,53	0
57	MG	1X	107	1/1	0.95	0.08	48,48,48,48	0
57	MG	21	3501	1/1	0.95	0.48	51,51,51,51	0
57	MG	1A	3573	1/1	0.95	0.09	37,37,37,37	0
57	MG	2A	3517	1/1	0.95	0.09	45,45,45,45	0
57	MG	2A	3518	1/1	0.95	0.13	48,48,48,48	0
57	MG	2A	3519	1/1	0.95	0.07	45,45,45,45	0
57	MG	1A	3235	1/1	0.95	0.13	39,39,39,39	0
57	MG	2A	3228	1/1	0.95	0.08	50,50,50,50	0
57	MG	2A	3522	1/1	0.95	0.10	32,32,32,32	0
57	MG	28	102	1/1	0.95	0.25	56,56,56,56	0
57	MG	2a	1601	1/1	0.95	0.14	43,43,43,43	0
57	MG	1A	3761	1/1	0.95	0.11	55,55,55,55	0
57	MG	1A	3576	1/1	0.95	0.10	34,34,34,34	0
57	MG	1A	3966	1/1	0.95	0.11	56,56,56,56	0
57	MG	1A	3763	1/1	0.95	0.13	49,49,49,49	0
57	MG	1A	3326	1/1	0.95	0.07	43,43,43,43	0
57	MG	10	109	1/1	0.95	0.13	60,60,60,60	0
57	MG	1A	3972	1/1	0.95	0.15	37,37,37,37	0
57	MG	11	101	1/1	0.95	0.15	38,38,38,38	0
57	MG	2a	1611	1/1	0.95	0.14	51,51,51,51	0
57	MG	1A	3976	1/1	0.95	0.16	61,61,61,61	0
57	MG	13	101	1/1	0.95	0.17	37,37,37,37	0
57	MG	2A	3539	1/1	0.95	0.08	37,37,37,37	0
57	MG	13	103	1/1	0.95	0.07	49,49,49,49	0
57	MG	2A	3542	1/1	0.95	0.13	45,45,45,45	0
57	MG	1A	3979	1/1	0.95	0.07	44,44,44,44	0
57	MG	1A	3580	1/1	0.95	0.23	35,35,35,35	0
57	MG	2A	3549	1/1	0.95	0.08	40,40,40,40	0
57	MG	15	104	1/1	0.95	0.27	32,32,32,32	0
57	MG	1A	3983	1/1	0.95	0.09	42,42,42,42	0
57	MG	1a	1810	1/1	0.95	0.13	59,59,59,59	0
57	MG	1a	1811	1/1	0.95	0.06	51,51,51,51	0
57	MG	1A	3466	1/1	0.95	0.11	37,37,37,37	0
57	MG	2A	3558	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
57	MG	1d	301	1/1	0.95	0.12	48,48,48,48	0
57	MG	2A	3560	1/1	0.95	0.17	59,59,59,59	0
57	MG	1e	201	1/1	0.95	0.27	56,56,56,56	0
57	MG	1A	3037	1/1	0.95	0.06	34,34,34,34	0
57	MG	1A	3393	1/1	0.95	0.13	62,62,62,62	0
57	MG	2A	3254	1/1	0.95	0.09	45,45,45,45	0
57	MG	1A	3990	1/1	0.95	0.05	32,32,32,32	0
57	MG	1m	3001	1/1	0.95	0.05	46,46,46,46	0
57	MG	16	102	1/1	0.95	0.14	62,62,62,62	0
57	MG	2A	3573	1/1	0.95	0.07	28,28,28,28	0
57	MG	1n	103	1/1	0.95	0.19	46,46,46,46	0
57	MG	1A	3773	1/1	0.95	0.06	37,37,37,37	0
57	MG	1A	3394	1/1	0.95	0.27	49,49,49,49	0
57	MG	2A	3577	1/1	0.95	0.06	28,28,28,28	0
57	MG	1A	3997	1/1	0.95	0.06	36,36,36,36	0
57	MG	2A	3579	1/1	0.95	0.10	54,54,54,54	0
57	MG	1A	3776	1/1	0.95	0.05	21,21,21,21	0
57	MG	1A	4000	1/1	0.95	0.14	41,41,41,41	0
57	MG	1A	3779	1/1	0.95	0.05	57,57,57,57	0
57	MG	1a	1601	1/1	0.95	0.08	53,53,53,53	0
57	MG	1A	3781	1/1	0.95	0.09	22,22,22,22	0
57	MG	2A	3588	1/1	0.95	0.13	35,35,35,35	0
57	MG	2A	3591	1/1	0.95	0.10	46,46,46,46	0
57	MG	2A	3592	1/1	0.95	0.06	41,41,41,41	0
57	MG	2A	3593	1/1	0.95	0.07	53,53,53,53	0
57	MG	1a	1603	1/1	0.95	0.09	51,51,51,51	0
57	MG	2A	3596	1/1	0.95	0.08	24,24,24,24	0
57	MG	1x	104	1/1	0.95	0.10	56,56,56,56	0
57	MG	1A	3789	1/1	0.95	0.06	24,24,24,24	0
57	MG	1A	3093	1/1	0.95	0.06	46,46,46,46	0
57	MG	1A	3795	1/1	0.95	0.12	49,49,49,49	0
57	MG	1x	111	1/1	0.95	0.26	53,53,53,53	0
57	MG	2A	3603	1/1	0.95	0.08	56,56,56,56	0
57	MG	1A	3284	1/1	0.95	0.06	46,46,46,46	0
57	MG	1A	3799	1/1	0.95	0.10	19,19,19,19	0
57	MG	2A	3608	1/1	0.95	0.09	24,24,24,24	0
57	MG	2a	1668	1/1	0.95	0.10	47,47,47,47	0
57	MG	2A	3281	1/1	0.95	0.12	45,45,45,45	0
57	MG	1A	3060	1/1	0.95	0.13	40,40,40,40	0
57	MG	1A	3245	1/1	0.95	0.04	47,47,47,47	0
57	MG	1a	1615	1/1	0.95	0.10	36,36,36,36	0
57	MG	2A	3613	1/1	0.95	0.14	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3286	1/1	0.95	0.09	64,64,64,64	0
57	MG	2A	3615	1/1	0.95	0.09	44,44,44,44	0
57	MG	2A	3616	1/1	0.95	0.16	63,63,63,63	0
57	MG	2A	3006	1/1	0.95	0.11	51,51,51,51	0
57	MG	1A	3591	1/1	0.95	0.16	42,42,42,42	0
57	MG	2a	1681	1/1	0.95	0.17	52,52,52,52	0
57	MG	2A	3010	1/1	0.95	0.15	48,48,48,48	0
57	MG	2a	1683	1/1	0.95	0.18	51,51,51,51	0
57	MG	2A	3011	1/1	0.95	0.12	40,40,40,40	0
57	MG	2a	1685	1/1	0.95	0.16	46,46,46,46	0
57	MG	2A	3625	1/1	0.95	0.20	42,42,42,42	0
57	MG	2A	3012	1/1	0.95	0.04	49,49,49,49	0
57	MG	2A	3013	1/1	0.95	0.17	32,32,32,32	0
57	MG	2A	3630	1/1	0.95	0.17	54,54,54,54	0
57	MG	1a	1620	1/1	0.95	0.08	53,53,53,53	0
57	MG	2a	1692	1/1	0.95	0.20	61,61,61,61	0
57	MG	2A	3633	1/1	0.95	0.15	32,32,32,32	0
57	MG	1A	3808	1/1	0.95	0.63	32,32,32,32	0
57	MG	1A	4022	1/1	0.95	0.12	48,48,48,48	0
57	MG	1A	3335	1/1	0.95	0.41	42,42,42,42	0
57	MG	1A	3597	1/1	0.95	0.06	47,47,47,47	0
57	MG	2A	3025	1/1	0.95	0.15	44,44,44,44	0
57	MG	1A	3203	1/1	0.95	0.17	40,40,40,40	0
57	MG	1A	3158	1/1	0.95	0.11	25,25,25,25	0
57	MG	2A	3645	1/1	0.95	0.09	46,46,46,46	0
57	MG	1A	3291	1/1	0.95	0.20	46,46,46,46	0
57	MG	1A	4034	1/1	0.95	0.07	52,52,52,52	0
57	MG	1A	4036	1/1	0.95	0.12	52,52,52,52	0
57	MG	2A	3651	1/1	0.95	0.10	46,46,46,46	0
57	MG	2A	3033	1/1	0.95	0.06	44,44,44,44	0
57	MG	2A	3653	1/1	0.95	0.10	54,54,54,54	0
57	MG	1A	3005	1/1	0.95	0.06	44,44,44,44	0
57	MG	2a	1712	1/1	0.95	0.07	51,51,51,51	0
57	MG	2A	3036	1/1	0.95	0.07	50,50,50,50	0
57	MG	2a	1714	1/1	0.95	0.12	57,57,57,57	0
57	MG	1A	3075	1/1	0.95	0.06	37,37,37,37	0
57	MG	2A	3312	1/1	0.95	0.16	51,51,51,51	0
57	MG	1A	4040	1/1	0.95	0.09	32,32,32,32	0
57	MG	2a	1718	1/1	0.95	0.13	51,51,51,51	0
57	MG	2A	3040	1/1	0.95	0.20	44,44,44,44	0
57	MG	1A	3484	1/1	0.95	0.17	41,41,41,41	0
57	MG	1A	4045	1/1	0.95	0.07	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1722	1/1	0.95	0.09	72,72,72,72	0
57	MG	2A	3669	1/1	0.95	0.07	62,62,62,62	0
57	MG	1A	4051	1/1	0.95	0.06	54,54,54,54	0
57	MG	1A	3485	1/1	0.95	0.13	49,49,49,49	0
57	MG	1a	1642	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3488	1/1	0.95	0.13	47,47,47,47	0
57	MG	1A	3824	1/1	0.95	0.09	39,39,39,39	0
57	MG	1A	3342	1/1	0.95	0.14	41,41,41,41	0
57	MG	2a	1731	1/1	0.95	0.14	46,46,46,46	0
57	MG	1A	3491	1/1	0.95	0.09	38,38,38,38	0
57	MG	2A	3679	1/1	0.95	0.14	63,63,63,63	0
57	MG	1A	3413	1/1	0.95	0.07	41,41,41,41	0
57	MG	2a	1735	1/1	0.95	0.28	60,60,60,60	0
57	MG	1A	3098	1/1	0.95	0.10	35,35,35,35	0
57	MG	2A	3055	1/1	0.95	0.13	52,52,52,52	0
57	MG	1A	3495	1/1	0.95	0.06	51,51,51,51	0
57	MG	2A	3332	1/1	0.95	0.14	47,47,47,47	0
57	MG	1A	3167	1/1	0.95	0.10	57,57,57,57	0
57	MG	1A	3632	1/1	0.95	0.09	29,29,29,29	0
57	MG	2A	3687	1/1	0.95	0.09	45,45,45,45	0
57	MG	1A	3213	1/1	0.95	0.19	40,40,40,40	0
57	MG	1A	3052	1/1	0.95	0.12	37,37,37,37	0
57	MG	1A	3504	1/1	0.95	0.10	41,41,41,41	0
57	MG	2a	1746	1/1	0.95	0.23	62,62,62,62	0
57	MG	1a	1661	1/1	0.95	0.14	64,64,64,64	0
57	MG	1a	1664	1/1	0.95	0.16	50,50,50,50	0
57	MG	1A	3178	1/1	0.95	0.15	32,32,32,32	0
57	MG	2a	1751	1/1	0.95	0.13	49,49,49,49	0
57	MG	1A	4077	1/1	0.95	0.06	45,45,45,45	0
57	MG	2A	3069	1/1	0.95	0.09	44,44,44,44	0
57	MG	2A	3701	1/1	0.95	0.08	47,47,47,47	0
57	MG	2a	1755	1/1	0.95	0.15	76,76,76,76	0
57	MG	1A	3079	1/1	0.95	0.08	43,43,43,43	0
57	MG	1A	3358	1/1	0.95	0.20	40,40,40,40	0
57	MG	1a	1669	1/1	0.95	0.08	56,56,56,56	0
57	MG	1A	3135	1/1	0.95	0.12	30,30,30,30	0
57	MG	2A	3075	1/1	0.95	0.06	40,40,40,40	0
57	MG	2A	3076	1/1	0.95	0.11	33,33,33,33	0
57	MG	1A	3852	1/1	0.95	0.12	25,25,25,25	0
57	MG	1A	3139	1/1	0.95	0.07	37,37,37,37	0
57	MG	1A	3855	1/1	0.95	0.13	36,36,36,36	0
57	MG	2A	3082	1/1	0.95	0.11	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3719	1/1	0.95	0.09	53,53,53,53	0
57	MG	1A	3648	1/1	0.95	0.08	64,64,64,64	0
57	MG	2A	3359	1/1	0.95	0.07	41,41,41,41	0
57	MG	1A	3185	1/1	0.95	0.08	38,38,38,38	0
57	MG	1A	3516	1/1	0.95	0.21	46,46,46,46	0
57	MG	1A	3518	1/1	0.95	0.07	32,32,32,32	0
57	MG	1A	3863	1/1	0.95	0.18	53,53,53,53	0
57	MG	2A	3728	1/1	0.95	0.12	54,54,54,54	0
57	MG	1A	3028	1/1	0.95	0.22	69,69,69,69	0
57	MG	1A	3144	1/1	0.95	0.45	40,40,40,40	0
57	MG	2a	1781	1/1	0.95	0.10	51,51,51,51	0
57	MG	1A	3660	1/1	0.95	0.08	42,42,42,42	0
57	MG	2A	3369	1/1	0.95	0.12	53,53,53,53	0
57	MG	1A	3521	1/1	0.95	0.20	43,43,43,43	0
57	MG	1A	3523	1/1	0.95	0.19	44,44,44,44	0
57	MG	2A	3739	1/1	0.95	0.08	47,47,47,47	0
57	MG	1A	3367	1/1	0.95	0.10	49,49,49,49	0
57	MG	1B	213	1/1	0.95	0.16	50,50,50,50	0
57	MG	2a	1789	1/1	0.95	0.19	60,60,60,60	0
57	MG	1A	3310	1/1	0.95	0.22	32,32,32,32	0
57	MG	2A	3745	1/1	0.95	0.08	54,54,54,54	0
57	MG	2A	3746	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3431	1/1	0.95	0.14	40,40,40,40	0
57	MG	1A	3878	1/1	0.95	0.06	26,26,26,26	0
57	MG	1A	3879	1/1	0.95	0.10	30,30,30,30	0
57	MG	2A	3752	1/1	0.95	0.07	43,43,43,43	0
57	MG	1A	3432	1/1	0.95	0.12	29,29,29,29	0
57	MG	1A	3529	1/1	0.95	0.14	44,44,44,44	0
57	MG	2A	3756	1/1	0.95	0.14	65,65,65,65	0
57	MG	1B	225	1/1	0.95	0.20	49,49,49,49	0
57	MG	1A	3882	1/1	0.95	0.12	50,50,50,50	0
57	MG	1A	3434	1/1	0.95	0.12	34,34,34,34	0
57	MG	2A	3762	1/1	0.95	0.07	48,48,48,48	0
57	MG	2A	3764	1/1	0.95	0.08	52,52,52,52	0
57	MG	2a	1806	1/1	0.95	0.07	50,50,50,50	0
57	MG	2A	3765	1/1	0.95	0.06	35,35,35,35	0
57	MG	2A	3111	1/1	0.95	0.20	50,50,50,50	0
57	MG	1A	3679	1/1	0.95	0.08	18,18,18,18	0
57	MG	1A	3680	1/1	0.95	0.09	21,21,21,21	0
57	MG	1a	1704	1/1	0.95	0.08	50,50,50,50	0
57	MG	1A	3682	1/1	0.95	0.06	16,16,16,16	0
57	MG	1a	1707	1/1	0.95	0.32	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3117	1/1	0.95	0.14	38,38,38,38	0
57	MG	2A	3394	1/1	0.95	0.12	28,28,28,28	0
57	MG	1A	3265	1/1	0.95	0.11	47,47,47,47	0
57	MG	1A	3314	1/1	0.95	0.23	50,50,50,50	0
57	MG	1B	235	1/1	0.95	0.09	59,59,59,59	0
57	MG	1A	3018	1/1	0.95	0.12	31,31,31,31	0
57	MG	2A	3126	1/1	0.95	0.12	64,64,64,64	0
57	MG	2A	3128	1/1	0.95	0.13	43,43,43,43	0
57	MG	2A	3131	1/1	0.95	0.05	40,40,40,40	0
57	MG	2A	3133	1/1	0.95	0.10	46,46,46,46	0
57	MG	2f	201	1/1	0.95	0.11	54,54,54,54	0
57	MG	1A	3695	1/1	0.95	0.08	22,22,22,22	0
57	MG	2A	3407	1/1	0.95	0.30	53,53,53,53	0
57	MG	2A	3409	1/1	0.95	0.19	44,44,44,44	0
57	MG	1A	3899	1/1	0.95	0.15	60,60,60,60	0
57	MG	1D	312	1/1	0.95	0.07	28,28,28,28	0
57	MG	2A	3412	1/1	0.95	0.12	45,45,45,45	0
57	MG	2A	3796	1/1	0.95	0.07	41,41,41,41	0
57	MG	2o	101	1/1	0.95	0.14	54,54,54,54	0
57	MG	1E	301	1/1	0.95	0.17	44,44,44,44	0
57	MG	1A	3316	1/1	0.95	0.23	53,53,53,53	0
57	MG	2A	3141	1/1	0.95	0.14	37,37,37,37	0
57	MG	2A	3145	1/1	0.95	0.22	40,40,40,40	0
57	MG	2A	3146	1/1	0.95	0.07	35,35,35,35	0
57	MG	1E	305	1/1	0.95	0.10	40,40,40,40	0
57	MG	2A	3805	1/1	0.95	0.11	48,48,48,48	0
57	MG	1E	307	1/1	0.95	0.08	41,41,41,41	0
57	MG	2A	3420	1/1	0.95	0.14	49,49,49,49	0
57	MG	1A	3902	1/1	0.95	0.09	40,40,40,40	0
57	MG	2A	3150	1/1	0.95	0.11	54,54,54,54	0
57	MG	1A	3903	1/1	0.95	0.15	29,29,29,29	0
57	MG	2A	3153	1/1	0.95	0.08	43,43,43,43	0
57	MG	1A	3439	1/1	0.95	0.13	47,47,47,47	0
57	MG	2A	3156	1/1	0.95	0.09	63,63,63,63	0
57	MG	2A	3157	1/1	0.95	0.13	67,67,67,67	0
57	MG	1a	1724	1/1	0.95	0.15	50,50,50,50	0
57	MG	2A	3431	1/1	0.95	0.18	43,43,43,43	0
57	MG	2A	3828	1/1	0.95	0.08	53,53,53,53	0
57	MG	1A	3542	1/1	0.95	0.11	32,32,32,32	0
57	MG	1a	1727	1/1	0.95	0.10	43,43,43,43	0
57	MG	2A	3162	1/1	0.95	0.16	41,41,41,41	0
57	MG	2A	3835	1/1	0.95	0.10	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3103	1/1	0.96	0.05	56,56,56,56	0
57	MG	2E	301	1/1	0.96	0.08	55,55,55,55	0
57	MG	1A	4075	1/1	0.96	0.06	46,46,46,46	0
57	MG	2A	3266	1/1	0.96	0.11	51,51,51,51	0
57	MG	2A	3547	1/1	0.96	0.06	41,41,41,41	0
57	MG	1A	3868	1/1	0.96	0.15	31,31,31,31	0
57	MG	2A	3020	1/1	0.96	0.11	42,42,42,42	0
57	MG	1a	1634	1/1	0.96	0.15	46,46,46,46	0
57	MG	1A	3869	1/1	0.96	0.28	39,39,39,39	0
57	MG	2A	3024	1/1	0.96	0.08	55,55,55,55	0
57	MG	1A	3163	1/1	0.96	0.09	42,42,42,42	0
57	MG	2A	3026	1/1	0.96	0.04	42,42,42,42	0
57	MG	2F	304	1/1	0.96	0.07	33,33,33,33	0
57	MG	2A	3275	1/1	0.96	0.08	55,55,55,55	0
57	MG	1A	3449	1/1	0.96	0.06	30,30,30,30	0
57	MG	2A	3562	1/1	0.96	0.05	35,35,35,35	0
57	MG	2A	3277	1/1	0.96	0.15	46,46,46,46	0
57	MG	1a	1639	1/1	0.96	0.08	46,46,46,46	0
57	MG	1a	1640	1/1	0.96	0.10	49,49,49,49	0
57	MG	2R	201	1/1	0.96	0.04	46,46,46,46	0
57	MG	2A	3567	1/1	0.96	0.11	46,46,46,46	0
57	MG	1a	1641	1/1	0.96	0.06	58,58,58,58	0
57	MG	1A	3691	1/1	0.96	0.06	23,23,23,23	0
57	MG	2U	201	1/1	0.96	0.13	55,55,55,55	0
57	MG	2A	3032	1/1	0.96	0.05	41,41,41,41	0
57	MG	2V	201	1/1	0.96	0.07	62,62,62,62	0
57	MG	1A	3085	1/1	0.96	0.15	37,37,37,37	0
57	MG	1A	3547	1/1	0.96	0.06	35,35,35,35	0
57	MG	1A	3698	1/1	0.96	0.07	22,22,22,22	0
57	MG	1A	3378	1/1	0.96	0.04	38,38,38,38	0
57	MG	2A	3288	1/1	0.96	0.11	53,53,53,53	0
57	MG	1A	3703	1/1	0.96	0.09	19,19,19,19	0
57	MG	2A	3039	1/1	0.96	0.05	55,55,55,55	0
57	MG	1A	3132	1/1	0.96	0.05	32,32,32,32	0
57	MG	1A	3455	1/1	0.96	0.06	51,51,51,51	0
57	MG	2A	3293	1/1	0.96	0.16	62,62,62,62	0
57	MG	2A	3042	1/1	0.96	0.10	48,48,48,48	0
57	MG	2A	3585	1/1	0.96	0.05	41,41,41,41	0
57	MG	1B	204	1/1	0.96	0.04	30,30,30,30	0
57	MG	1A	3214	1/1	0.96	0.05	36,36,36,36	0
57	MG	1A	3709	1/1	0.96	0.07	24,24,24,24	0
57	MG	28	103	1/1	0.96	0.14	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1B	207	1/1	0.96	0.27	47,47,47,47	0
57	MG	1A	3554	1/1	0.96	0.06	46,46,46,46	0
57	MG	1A	3886	1/1	0.96	0.06	33,33,33,33	0
57	MG	1a	1662	1/1	0.96	0.05	33,33,33,33	0
57	MG	2A	3051	1/1	0.96	0.07	60,60,60,60	0
57	MG	1a	1663	1/1	0.96	0.14	51,51,51,51	0
57	MG	2A	3598	1/1	0.96	0.12	59,59,59,59	0
57	MG	1A	3457	1/1	0.96	0.05	46,46,46,46	0
57	MG	2a	1609	1/1	0.96	0.10	61,61,61,61	0
57	MG	1A	3888	1/1	0.96	0.07	23,23,23,23	0
57	MG	1A	3712	1/1	0.96	0.12	30,30,30,30	0
57	MG	1A	3168	1/1	0.96	0.10	30,30,30,30	0
57	MG	1A	3714	1/1	0.96	0.05	43,43,43,43	0
57	MG	2A	3604	1/1	0.96	0.13	43,43,43,43	0
57	MG	1A	3558	1/1	0.96	0.16	36,36,36,36	0
57	MG	1A	3897	1/1	0.96	0.04	31,31,31,31	0
57	MG	2a	1617	1/1	0.96	0.08	66,66,66,66	0
57	MG	1A	3134	1/1	0.96	0.07	42,42,42,42	0
57	MG	1A	3384	1/1	0.96	0.04	48,48,48,48	0
57	MG	1A	3172	1/1	0.96	0.23	29,29,29,29	0
57	MG	1A	3175	1/1	0.96	0.04	22,22,22,22	0
57	MG	1A	3720	1/1	0.96	0.09	48,48,48,48	0
57	MG	2A	3066	1/1	0.96	0.06	35,35,35,35	0
57	MG	1B	227	1/1	0.96	0.09	54,54,54,54	0
57	MG	2A	3322	1/1	0.96	0.08	85,85,85,85	0
57	MG	2A	3323	1/1	0.96	0.15	47,47,47,47	0
57	MG	1A	3323	1/1	0.96	0.20	43,43,43,43	0
57	MG	1A	3273	1/1	0.96	0.13	24,24,24,24	0
57	MG	1A	3390	1/1	0.96	0.13	55,55,55,55	0
57	MG	1A	3571	1/1	0.96	0.06	50,50,50,50	0
57	MG	2A	3073	1/1	0.96	0.10	47,47,47,47	0
57	MG	1A	3274	1/1	0.96	0.45	35,35,35,35	0
57	MG	1a	1683	1/1	0.96	0.12	44,44,44,44	0
57	MG	1A	3911	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	3731	1/1	0.96	0.12	56,56,56,56	0
57	MG	1A	3110	1/1	0.96	0.25	33,33,33,33	0
57	MG	1A	3574	1/1	0.96	0.07	40,40,40,40	0
57	MG	1D	303	1/1	0.96	0.08	33,33,33,33	0
57	MG	1D	306	1/1	0.96	0.09	35,35,35,35	0
57	MG	1a	1692	1/1	0.96	0.17	42,42,42,42	0
57	MG	1A	3179	1/1	0.96	0.11	38,38,38,38	0
57	MG	2a	1643	1/1	0.96	0.07	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3740	1/1	0.96	0.06	47,47,47,47	0
57	MG	2A	3642	1/1	0.96	0.06	45,45,45,45	0
57	MG	1A	3742	1/1	0.96	0.08	50,50,50,50	0
57	MG	2A	3644	1/1	0.96	0.34	39,39,39,39	0
57	MG	1A	3227	1/1	0.96	0.05	46,46,46,46	0
57	MG	2A	3090	1/1	0.96	0.15	47,47,47,47	0
57	MG	1A	3926	1/1	0.96	0.11	39,39,39,39	0
57	MG	2A	3648	1/1	0.96	0.11	67,67,67,67	0
57	MG	1A	3578	1/1	0.96	0.27	27,27,27,27	0
57	MG	1A	3928	1/1	0.96	0.09	41,41,41,41	0
57	MG	2A	3348	1/1	0.96	0.08	51,51,51,51	0
57	MG	1E	310	1/1	0.96	0.08	58,58,58,58	0
57	MG	1A	3929	1/1	0.96	0.06	55,55,55,55	0
57	MG	2a	1657	1/1	0.96	0.14	56,56,56,56	0
57	MG	1A	3930	1/1	0.96	0.08	44,44,44,44	0
57	MG	1E	313	1/1	0.96	0.07	48,48,48,48	0
57	MG	1a	1706	1/1	0.96	0.14	41,41,41,41	0
57	MG	1A	3931	1/1	0.96	0.05	35,35,35,35	0
57	MG	2A	3660	1/1	0.96	0.07	51,51,51,51	0
57	MG	1A	3746	1/1	0.96	0.12	26,26,26,26	0
57	MG	2a	1665	1/1	0.96	0.22	43,43,43,43	0
57	MG	1A	3023	1/1	0.96	0.04	17,17,17,17	0
57	MG	2A	3105	1/1	0.96	0.07	59,59,59,59	0
57	MG	2A	3665	1/1	0.96	0.09	56,56,56,56	0
57	MG	2A	3668	1/1	0.96	0.06	58,58,58,58	0
57	MG	2A	3360	1/1	0.96	0.17	46,46,46,46	0
57	MG	1F	307	1/1	0.96	0.09	29,29,29,29	0
57	MG	1A	3229	1/1	0.96	0.11	45,45,45,45	0
57	MG	2A	3363	1/1	0.96	0.13	43,43,43,43	0
57	MG	1A	3072	1/1	0.96	0.27	37,37,37,37	0
57	MG	2A	3674	1/1	0.96	0.06	38,38,38,38	0
57	MG	1A	3182	1/1	0.96	0.12	60,60,60,60	0
57	MG	1A	3754	1/1	0.96	0.07	60,60,60,60	0
57	MG	1A	3757	1/1	0.96	0.09	25,25,25,25	0
57	MG	1A	3943	1/1	0.96	0.10	61,61,61,61	0
57	MG	1A	3402	1/1	0.96	0.11	49,49,49,49	0
57	MG	1A	3143	1/1	0.96	0.11	50,50,50,50	0
57	MG	1A	3036	1/1	0.96	0.05	34,34,34,34	0
57	MG	1A	3483	1/1	0.96	0.06	43,43,43,43	0
57	MG	2a	1686	1/1	0.96	0.12	41,41,41,41	0
57	MG	1A	3186	1/1	0.96	0.14	55,55,55,55	0
57	MG	2A	3120	1/1	0.96	0.12	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3121	1/1	0.96	0.20	64,64,64,64	0
57	MG	1O	204	1/1	0.96	0.07	63,63,63,63	0
57	MG	1P	203	1/1	0.96	0.19	29,29,29,29	0
57	MG	1a	1726	1/1	0.96	0.08	57,57,57,57	0
57	MG	2A	3125	1/1	0.96	0.09	40,40,40,40	0
57	MG	1A	3407	1/1	0.96	0.05	45,45,45,45	0
57	MG	1A	3768	1/1	0.96	0.07	41,41,41,41	0
57	MG	2A	3129	1/1	0.96	0.17	50,50,50,50	0
57	MG	2A	3696	1/1	0.96	0.07	50,50,50,50	0
57	MG	2A	3698	1/1	0.96	0.07	39,39,39,39	0
57	MG	2a	1701	1/1	0.96	0.09	44,44,44,44	0
57	MG	2A	3130	1/1	0.96	0.07	72,72,72,72	0
57	MG	1A	3952	1/1	0.96	0.05	46,46,46,46	0
57	MG	2A	3132	1/1	0.96	0.11	43,43,43,43	0
57	MG	1Q	202	1/1	0.96	0.07	34,34,34,34	0
57	MG	1A	3486	1/1	0.96	0.07	39,39,39,39	0
57	MG	1Q	205	1/1	0.96	0.08	43,43,43,43	0
57	MG	2A	3708	1/1	0.96	0.08	48,48,48,48	0
57	MG	1A	3289	1/1	0.96	0.09	29,29,29,29	0
57	MG	2A	3392	1/1	0.96	0.12	40,40,40,40	0
57	MG	1A	3290	1/1	0.96	0.21	40,40,40,40	0
57	MG	1A	3490	1/1	0.96	0.17	49,49,49,49	0
57	MG	2A	3140	1/1	0.96	0.20	38,38,38,38	0
57	MG	1A	3016	1/1	0.96	0.19	51,51,51,51	0
57	MG	2A	3142	1/1	0.96	0.13	42,42,42,42	0
57	MG	1A	3189	1/1	0.96	0.06	46,46,46,46	0
57	MG	1A	3294	1/1	0.96	0.15	31,31,31,31	0
57	MG	1A	3240	1/1	0.96	0.07	39,39,39,39	0
57	MG	1A	3783	1/1	0.96	0.06	26,26,26,26	0
57	MG	2A	3405	1/1	0.96	0.09	41,41,41,41	0
57	MG	1S	202	1/1	0.96	0.14	57,57,57,57	0
57	MG	1A	3965	1/1	0.96	0.08	41,41,41,41	0
57	MG	2A	3408	1/1	0.96	0.11	45,45,45,45	0
57	MG	1A	3496	1/1	0.96	0.12	54,54,54,54	0
57	MG	2A	3731	1/1	0.96	0.05	47,47,47,47	0
57	MG	1A	3094	1/1	0.96	0.07	18,18,18,18	0
57	MG	2A	3733	1/1	0.96	0.10	49,49,49,49	0
57	MG	1A	3501	1/1	0.96	0.12	31,31,31,31	0
57	MG	1A	3971	1/1	0.96	0.05	30,30,30,30	0
57	MG	1a	1753	1/1	0.96	0.10	54,54,54,54	0
57	MG	1A	3615	1/1	0.96	0.04	48,48,48,48	0
57	MG	1V	201	1/1	0.96	0.31	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3974	1/1	0.96	0.07	29,29,29,29	0
57	MG	2A	3161	1/1	0.96	0.23	38,38,38,38	0
57	MG	2A	3743	1/1	0.96	0.13	55,55,55,55	0
57	MG	1A	3975	1/1	0.96	0.08	28,28,28,28	0
57	MG	1A	3616	1/1	0.96	0.09	23,23,23,23	0
57	MG	1W	201	1/1	0.96	0.07	29,29,29,29	0
57	MG	1A	3350	1/1	0.96	0.14	52,52,52,52	0
57	MG	2A	3748	1/1	0.96	0.06	42,42,42,42	0
57	MG	2A	3422	1/1	0.96	0.08	53,53,53,53	0
57	MG	1a	1761	1/1	0.96	0.05	35,35,35,35	0
57	MG	1A	3351	1/1	0.96	0.15	48,48,48,48	0
57	MG	1W	204	1/1	0.96	0.06	42,42,42,42	0
57	MG	2A	3426	1/1	0.96	0.14	38,38,38,38	0
57	MG	1A	3619	1/1	0.96	0.12	37,37,37,37	0
57	MG	1A	3352	1/1	0.96	0.07	46,46,46,46	0
57	MG	1X	105	1/1	0.96	0.05	38,38,38,38	0
57	MG	2A	3172	1/1	0.96	0.10	37,37,37,37	0
57	MG	1A	3192	1/1	0.96	0.23	25,25,25,25	0
57	MG	2A	3432	1/1	0.96	0.18	45,45,45,45	0
57	MG	1A	3007	1/1	0.96	0.08	26,26,26,26	0
57	MG	2A	3766	1/1	0.96	0.08	47,47,47,47	0
57	MG	1a	1770	1/1	0.96	0.10	65,65,65,65	0
57	MG	1a	1771	1/1	0.96	0.05	67,67,67,67	0
57	MG	1A	3630	1/1	0.96	0.09	52,52,52,52	0
57	MG	1A	3355	1/1	0.96	0.08	46,46,46,46	0
57	MG	1Z	302	1/1	0.96	0.06	57,57,57,57	0
57	MG	2a	1761	1/1	0.96	0.09	41,41,41,41	0
57	MG	2A	3440	1/1	0.96	0.10	42,42,42,42	0
57	MG	10	101	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3356	1/1	0.96	0.10	42,42,42,42	0
57	MG	1A	3509	1/1	0.96	0.08	41,41,41,41	0
57	MG	2A	3777	1/1	0.96	0.09	43,43,43,43	0
57	MG	2A	3183	1/1	0.96	0.06	46,46,46,46	0
57	MG	2A	3447	1/1	0.96	0.06	39,39,39,39	0
57	MG	1A	3357	1/1	0.96	0.07	42,42,42,42	0
57	MG	1A	3511	1/1	0.96	0.04	35,35,35,35	0
57	MG	1A	3637	1/1	0.96	0.07	35,35,35,35	0
57	MG	1a	1781	1/1	0.96	0.12	44,44,44,44	0
57	MG	2a	1776	1/1	0.96	0.13	45,45,45,45	0
57	MG	1A	3820	1/1	0.96	0.05	31,31,31,31	0
57	MG	1A	3194	1/1	0.96	0.05	44,44,44,44	0
57	MG	2A	3787	1/1	0.96	0.08	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4004	1/1	0.96	0.13	50,50,50,50	0
57	MG	2A	3456	1/1	0.96	0.12	69,69,69,69	0
57	MG	2A	3790	1/1	0.96	0.06	41,41,41,41	0
57	MG	1a	1788	1/1	0.96	0.10	40,40,40,40	0
57	MG	11	102	1/1	0.96	0.08	55,55,55,55	0
57	MG	1A	3514	1/1	0.96	0.15	33,33,33,33	0
57	MG	12	101	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3359	1/1	0.96	0.16	33,33,33,33	0
57	MG	2A	3197	1/1	0.96	0.06	48,48,48,48	0
57	MG	2A	3799	1/1	0.96	0.06	34,34,34,34	0
57	MG	13	102	1/1	0.96	0.10	39,39,39,39	0
57	MG	1A	4009	1/1	0.96	0.06	48,48,48,48	0
57	MG	13	104	1/1	0.96	0.09	48,48,48,48	0
57	MG	1A	3517	1/1	0.96	0.14	30,30,30,30	0
57	MG	1A	3828	1/1	0.96	0.10	48,48,48,48	0
57	MG	15	103	1/1	0.96	0.15	36,36,36,36	0
57	MG	1A	3829	1/1	0.96	0.11	49,49,49,49	0
57	MG	2A	3809	1/1	0.96	0.05	52,52,52,52	0
57	MG	2A	3812	1/1	0.96	0.16	54,54,54,54	0
57	MG	1A	3151	1/1	0.96	0.05	31,31,31,31	0
57	MG	1A	3428	1/1	0.96	0.13	45,45,45,45	0
57	MG	2A	3210	1/1	0.96	0.14	42,42,42,42	0
57	MG	1A	3196	1/1	0.96	0.10	35,35,35,35	0
57	MG	1A	3834	1/1	0.96	0.13	46,46,46,46	0
57	MG	1A	3650	1/1	0.96	0.06	33,33,33,33	0
57	MG	1A	3153	1/1	0.96	0.08	36,36,36,36	0
57	MG	17	103	1/1	0.96	0.10	31,31,31,31	0
57	MG	17	104	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3006	1/1	0.96	0.06	30,30,30,30	0
57	MG	2A	3829	1/1	0.96	0.10	38,38,38,38	0
57	MG	1A	3365	1/1	0.96	0.09	39,39,39,39	0
57	MG	2A	3484	1/1	0.96	0.11	43,43,43,43	0
57	MG	2A	3219	1/1	0.96	0.21	59,59,59,59	0
57	MG	2A	3834	1/1	0.96	0.09	55,55,55,55	0
57	MG	2A	3221	1/1	0.96	0.12	42,42,42,42	0
57	MG	18	103	1/1	0.96	0.19	49,49,49,49	0
57	MG	2A	3489	1/1	0.96	0.10	49,49,49,49	0
57	MG	1A	3839	1/1	0.96	0.10	46,46,46,46	0
57	MG	1A	3081	1/1	0.96	0.12	37,37,37,37	0
57	MG	1A	3842	1/1	0.96	0.07	46,46,46,46	0
57	MG	2a	1823	1/1	0.96	0.13	59,59,59,59	0
57	MG	1n	101	1/1	0.96	0.27	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4037	1/1	0.96	0.06	50,50,50,50	0
57	MG	2A	3230	1/1	0.96	0.15	51,51,51,51	0
57	MG	1A	3306	1/1	0.96	0.13	49,49,49,49	0
57	MG	1A	3009	1/1	0.96	0.07	32,32,32,32	0
57	MG	1r	101	1/1	0.96	0.18	51,51,51,51	0
57	MG	1A	3029	1/1	0.96	0.15	24,24,24,24	0
57	MG	2A	3235	1/1	0.96	0.07	47,47,47,47	0
57	MG	1a	1604	1/1	0.96	0.08	37,37,37,37	0
57	MG	1A	3848	1/1	0.96	0.13	44,44,44,44	0
57	MG	1A	3849	1/1	0.96	0.10	56,56,56,56	0
57	MG	1A	4046	1/1	0.96	0.07	34,34,34,34	0
57	MG	2A	3508	1/1	0.96	0.20	50,50,50,50	0
57	MG	1A	4048	1/1	0.96	0.09	18,18,18,18	0
57	MG	1A	4050	1/1	0.96	0.08	23,23,23,23	0
57	MG	2A	3515	1/1	0.96	0.08	46,46,46,46	0
57	MG	1a	1612	1/1	0.96	0.04	67,67,67,67	0
57	MG	1A	3850	1/1	0.96	0.05	50,50,50,50	0
57	MG	1A	4053	1/1	0.96	0.08	42,42,42,42	0
57	MG	1A	3530	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3309	1/1	0.96	0.08	34,34,34,34	0
57	MG	1a	1618	1/1	0.96	0.04	52,52,52,52	0
57	MG	1A	3668	1/1	0.96	0.06	52,52,52,52	0
57	MG	1A	3160	1/1	0.96	0.07	28,28,28,28	0
57	MG	1A	3129	1/1	0.96	0.12	30,30,30,30	0
57	MG	1A	3858	1/1	0.96	0.07	57,57,57,57	0
57	MG	2A	3004	1/1	0.96	0.35	59,59,59,59	0
57	MG	1A	3672	1/1	0.96	0.11	21,21,21,21	0
57	MG	1A	3444	1/1	0.96	0.08	42,42,42,42	0
57	MG	1A	3445	1/1	0.96	0.34	44,44,44,44	0
57	MG	1A	3539	1/1	0.96	0.16	36,36,36,36	0
57	MG	1A	3864	1/1	0.96	0.10	31,31,31,31	0
57	MG	1A	3374	1/1	0.96	0.06	41,41,41,41	0
57	MG	1A	4073	1/1	0.96	0.12	42,42,42,42	0
59	ERY	1A	4087	51/51	0.96	0.10	25,42,54,59	0
57	MG	2A	3014	1/1	0.96	0.11	41,41,41,41	0
60	ZN	14	102	1/1	0.96	0.11	118,118,118,118	0
60	ZN	24	501	1/1	0.96	0.13	137,137,137,137	0
60	ZN	2n	501	1/1	0.96	0.05	94,94,94,94	0
57	MG	2E	307	1/1	0.97	0.10	45,45,45,45	0
57	MG	1A	3042	1/1	0.97	0.04	21,21,21,21	0
57	MG	1a	1645	1/1	0.97	0.11	39,39,39,39	0
57	MG	1A	3728	1/1	0.97	0.16	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3198	1/1	0.97	0.06	29,29,29,29	0
57	MG	2A	3043	1/1	0.97	0.07	49,49,49,49	0
57	MG	1A	3590	1/1	0.97	0.10	24,24,24,24	0
57	MG	2F	305	1/1	0.97	0.18	51,51,51,51	0
57	MG	2A	3295	1/1	0.97	0.10	55,55,55,55	0
57	MG	1a	1650	1/1	0.97	0.13	48,48,48,48	0
57	MG	2A	3297	1/1	0.97	0.25	35,35,35,35	0
57	MG	1a	1651	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3901	1/1	0.97	0.06	46,46,46,46	0
57	MG	1A	3360	1/1	0.97	0.15	39,39,39,39	0
57	MG	1A	3500	1/1	0.97	0.19	37,37,37,37	0
57	MG	1A	3593	1/1	0.97	0.05	38,38,38,38	0
57	MG	2T	201	1/1	0.97	0.09	57,57,57,57	0
57	MG	1A	3159	1/1	0.97	0.08	36,36,36,36	0
57	MG	1a	1658	1/1	0.97	0.10	47,47,47,47	0
57	MG	1A	3741	1/1	0.97	0.06	34,34,34,34	0
57	MG	1B	219	1/1	0.97	0.07	45,45,45,45	0
57	MG	1B	221	1/1	0.97	0.04	40,40,40,40	0
57	MG	1B	222	1/1	0.97	0.06	36,36,36,36	0
57	MG	1B	223	1/1	0.97	0.05	30,30,30,30	0
57	MG	2X	101	1/1	0.97	0.06	68,68,68,68	0
57	MG	1A	3080	1/1	0.97	0.08	41,41,41,41	0
57	MG	1A	3064	1/1	0.97	0.12	41,41,41,41	0
57	MG	2A	3060	1/1	0.97	0.08	46,46,46,46	0
57	MG	1A	3054	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3601	1/1	0.97	0.14	26,26,26,26	0
57	MG	1A	3747	1/1	0.97	0.07	27,27,27,27	0
57	MG	23	102	1/1	0.97	0.06	56,56,56,56	0
57	MG	1A	3602	1/1	0.97	0.24	34,34,34,34	0
57	MG	1B	230	1/1	0.97	0.08	41,41,41,41	0
57	MG	1A	3429	1/1	0.97	0.09	37,37,37,37	0
57	MG	2A	3319	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3918	1/1	0.97	0.05	26,26,26,26	0
57	MG	1A	3751	1/1	0.97	0.08	43,43,43,43	0
57	MG	1A	3921	1/1	0.97	0.05	50,50,50,50	0
57	MG	1A	3922	1/1	0.97	0.04	17,17,17,17	0
57	MG	1A	3013	1/1	0.97	0.14	23,23,23,23	0
57	MG	1B	237	1/1	0.97	0.05	31,31,31,31	0
57	MG	1A	3605	1/1	0.97	0.14	37,37,37,37	0
57	MG	1A	3606	1/1	0.97	0.04	38,38,38,38	0
57	MG	1D	304	1/1	0.97	0.15	47,47,47,47	0
57	MG	1D	305	1/1	0.97	0.04	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3617	1/1	0.97	0.04	35,35,35,35	0
57	MG	1A	3755	1/1	0.97	0.07	38,38,38,38	0
57	MG	2A	3619	1/1	0.97	0.12	61,61,61,61	0
57	MG	1D	308	1/1	0.97	0.17	31,31,31,31	0
57	MG	2A	3080	1/1	0.97	0.10	46,46,46,46	0
57	MG	1D	310	1/1	0.97	0.04	45,45,45,45	0
57	MG	1A	3756	1/1	0.97	0.07	47,47,47,47	0
57	MG	2A	3084	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3607	1/1	0.97	0.09	34,34,34,34	0
57	MG	1A	3608	1/1	0.97	0.04	28,28,28,28	0
57	MG	1a	1690	1/1	0.97	0.22	51,51,51,51	0
57	MG	1E	302	1/1	0.97	0.16	35,35,35,35	0
57	MG	2A	3634	1/1	0.97	0.13	50,50,50,50	0
57	MG	2A	3635	1/1	0.97	0.10	47,47,47,47	0
57	MG	1A	3609	1/1	0.97	0.06	24,24,24,24	0
57	MG	1A	3610	1/1	0.97	0.06	34,34,34,34	0
57	MG	2a	1623	1/1	0.97	0.10	44,44,44,44	0
57	MG	2A	3091	1/1	0.97	0.04	44,44,44,44	0
57	MG	2A	3344	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3252	1/1	0.97	0.06	45,45,45,45	0
57	MG	1A	3253	1/1	0.97	0.08	39,39,39,39	0
57	MG	1A	3433	1/1	0.97	0.14	55,55,55,55	0
57	MG	2A	3350	1/1	0.97	0.26	42,42,42,42	0
57	MG	1A	3936	1/1	0.97	0.08	48,48,48,48	0
57	MG	1A	3937	1/1	0.97	0.05	44,44,44,44	0
57	MG	1a	1699	1/1	0.97	0.07	53,53,53,53	0
57	MG	1A	3938	1/1	0.97	0.08	58,58,58,58	0
57	MG	1A	3767	1/1	0.97	0.06	35,35,35,35	0
57	MG	1F	302	1/1	0.97	0.10	59,59,59,59	0
57	MG	1A	3614	1/1	0.97	0.07	17,17,17,17	0
57	MG	1A	3204	1/1	0.97	0.06	39,39,39,39	0
57	MG	1A	3942	1/1	0.97	0.04	40,40,40,40	0
57	MG	1F	308	1/1	0.97	0.28	35,35,35,35	0
57	MG	1F	309	1/1	0.97	0.07	48,48,48,48	0
57	MG	2A	3656	1/1	0.97	0.14	50,50,50,50	0
57	MG	1A	3164	1/1	0.97	0.16	36,36,36,36	0
57	MG	2A	3109	1/1	0.97	0.14	43,43,43,43	0
57	MG	1A	3771	1/1	0.97	0.10	42,42,42,42	0
57	MG	1A	3945	1/1	0.97	0.06	47,47,47,47	0
57	MG	1a	1712	1/1	0.97	0.12	42,42,42,42	0
57	MG	1A	3313	1/1	0.97	0.15	36,36,36,36	0
57	MG	1A	3107	1/1	0.97	0.06	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1G	204	1/1	0.97	0.10	38,38,38,38	0
57	MG	2A	3667	1/1	0.97	0.12	42,42,42,42	0
57	MG	1A	3515	1/1	0.97	0.13	33,33,33,33	0
57	MG	1A	3109	1/1	0.97	0.33	31,31,31,31	0
57	MG	1N	202	1/1	0.97	0.06	42,42,42,42	0
57	MG	1A	3777	1/1	0.97	0.08	21,21,21,21	0
57	MG	1A	3778	1/1	0.97	0.05	28,28,28,28	0
57	MG	1A	3625	1/1	0.97	0.05	27,27,27,27	0
57	MG	1A	3056	1/1	0.97	0.19	41,41,41,41	0
57	MG	1O	203	1/1	0.97	0.08	56,56,56,56	0
57	MG	1A	3954	1/1	0.97	0.10	24,24,24,24	0
57	MG	2A	3677	1/1	0.97	0.16	38,38,38,38	0
57	MG	1A	3782	1/1	0.97	0.06	28,28,28,28	0
57	MG	2a	1662	1/1	0.97	0.09	48,48,48,48	0
57	MG	2A	3127	1/1	0.97	0.06	46,46,46,46	0
57	MG	2A	3381	1/1	0.97	0.07	55,55,55,55	0
57	MG	1A	3211	1/1	0.97	0.14	46,46,46,46	0
57	MG	1A	3784	1/1	0.97	0.07	54,54,54,54	0
57	MG	1A	3787	1/1	0.97	0.04	52,52,52,52	0
57	MG	1A	3628	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3960	1/1	0.97	0.10	54,54,54,54	0
57	MG	2A	3387	1/1	0.97	0.07	51,51,51,51	0
57	MG	1a	1733	1/1	0.97	0.05	39,39,39,39	0
57	MG	2a	1672	1/1	0.97	0.08	64,64,64,64	0
57	MG	1A	3629	1/1	0.97	0.09	31,31,31,31	0
57	MG	2A	3689	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3794	1/1	0.97	0.08	49,49,49,49	0
57	MG	1A	3963	1/1	0.97	0.06	68,68,68,68	0
57	MG	1A	3169	1/1	0.97	0.12	38,38,38,38	0
57	MG	2A	3393	1/1	0.97	0.11	51,51,51,51	0
57	MG	2a	1679	1/1	0.97	0.15	46,46,46,46	0
57	MG	1A	3442	1/1	0.97	0.08	40,40,40,40	0
57	MG	1A	3797	1/1	0.97	0.05	17,17,17,17	0
57	MG	1A	3443	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3397	1/1	0.97	0.21	39,39,39,39	0
57	MG	1A	3633	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3262	1/1	0.97	0.27	42,42,42,42	0
57	MG	1A	3802	1/1	0.97	0.06	40,40,40,40	0
57	MG	1a	1746	1/1	0.97	0.10	50,50,50,50	0
57	MG	1A	3973	1/1	0.97	0.07	21,21,21,21	0
57	MG	2A	3707	1/1	0.97	0.10	53,53,53,53	0
57	MG	1U	201	1/1	0.97	0.10	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3709	1/1	0.97	0.05	51,51,51,51	0
57	MG	1a	1749	1/1	0.97	0.13	41,41,41,41	0
57	MG	1A	3137	1/1	0.97	0.23	31,31,31,31	0
57	MG	2A	3152	1/1	0.97	0.08	47,47,47,47	0
57	MG	1A	3804	1/1	0.97	0.04	41,41,41,41	0
57	MG	1U	205	1/1	0.97	0.04	40,40,40,40	0
57	MG	1A	3805	1/1	0.97	0.06	38,38,38,38	0
57	MG	1U	207	1/1	0.97	0.19	30,30,30,30	0
57	MG	1U	208	1/1	0.97	0.28	33,33,33,33	0
57	MG	1A	3806	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3138	1/1	0.97	0.06	27,27,27,27	0
57	MG	1A	3982	1/1	0.97	0.06	23,23,23,23	0
57	MG	1A	3034	1/1	0.97	0.33	31,31,31,31	0
57	MG	2A	3724	1/1	0.97	0.14	45,45,45,45	0
57	MG	2A	3725	1/1	0.97	0.05	45,45,45,45	0
57	MG	1V	204	1/1	0.97	0.14	38,38,38,38	0
57	MG	1V	205	1/1	0.97	0.05	43,43,43,43	0
57	MG	1A	3984	1/1	0.97	0.14	17,17,17,17	0
57	MG	2A	3729	1/1	0.97	0.09	43,43,43,43	0
57	MG	1A	3527	1/1	0.97	0.06	48,48,48,48	0
57	MG	1A	3216	1/1	0.97	0.08	39,39,39,39	0
57	MG	1A	3069	1/1	0.97	0.06	26,26,26,26	0
57	MG	1A	3643	1/1	0.97	0.06	39,39,39,39	0
57	MG	1a	1767	1/1	0.97	0.10	54,54,54,54	0
57	MG	1A	3113	1/1	0.97	0.08	31,31,31,31	0
57	MG	1W	205	1/1	0.97	0.13	40,40,40,40	0
57	MG	1A	3993	1/1	0.97	0.07	31,31,31,31	0
57	MG	1A	3645	1/1	0.97	0.06	22,22,22,22	0
57	MG	1X	103	1/1	0.97	0.04	27,27,27,27	0
57	MG	1A	3269	1/1	0.97	0.11	29,29,29,29	0
57	MG	2A	3742	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3453	1/1	0.97	0.10	47,47,47,47	0
57	MG	2a	1725	1/1	0.97	0.06	49,49,49,49	0
57	MG	1A	3271	1/1	0.97	0.08	37,37,37,37	0
57	MG	2A	3433	1/1	0.97	0.23	46,46,46,46	0
57	MG	1Y	201	1/1	0.97	0.14	43,43,43,43	0
57	MG	1A	3011	1/1	0.97	0.08	33,33,33,33	0
57	MG	1A	3822	1/1	0.97	0.05	26,26,26,26	0
57	MG	1A	3823	1/1	0.97	0.06	27,27,27,27	0
57	MG	1A	3651	1/1	0.97	0.06	37,37,37,37	0
57	MG	10	102	1/1	0.97	0.17	46,46,46,46	0
57	MG	2A	3753	1/1	0.97	0.07	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1782	1/1	0.97	0.05	47,47,47,47	0
57	MG	1A	3825	1/1	0.97	0.04	37,37,37,37	0
57	MG	1A	4006	1/1	0.97	0.07	61,61,61,61	0
57	MG	2A	3757	1/1	0.97	0.08	42,42,42,42	0
57	MG	10	105	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3146	1/1	0.97	0.06	27,27,27,27	0
57	MG	2A	3446	1/1	0.97	0.10	27,27,27,27	0
57	MG	1A	4008	1/1	0.97	0.09	44,44,44,44	0
57	MG	1a	1791	1/1	0.97	0.08	32,32,32,32	0
57	MG	1A	3537	1/1	0.97	0.13	26,26,26,26	0
57	MG	2A	3193	1/1	0.97	0.05	37,37,37,37	0
57	MG	1A	3655	1/1	0.97	0.06	49,49,49,49	0
57	MG	1A	3538	1/1	0.97	0.13	30,30,30,30	0
57	MG	1A	4013	1/1	0.97	0.09	35,35,35,35	0
57	MG	1A	4015	1/1	0.97	0.06	44,44,44,44	0
57	MG	2A	3771	1/1	0.97	0.08	50,50,50,50	0
57	MG	1A	3331	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	4018	1/1	0.97	0.04	47,47,47,47	0
57	MG	1A	3831	1/1	0.97	0.16	29,29,29,29	0
57	MG	1A	3221	1/1	0.97	0.04	31,31,31,31	0
57	MG	1a	1803	1/1	0.97	0.05	38,38,38,38	0
57	MG	1A	3541	1/1	0.97	0.11	35,35,35,35	0
57	MG	2A	3463	1/1	0.97	0.12	45,45,45,45	0
57	MG	2A	3204	1/1	0.97	0.04	52,52,52,52	0
57	MG	2A	3780	1/1	0.97	0.04	41,41,41,41	0
57	MG	1A	3278	1/1	0.97	0.09	41,41,41,41	0
57	MG	1A	3334	1/1	0.97	0.12	41,41,41,41	0
57	MG	1A	3092	1/1	0.97	0.19	47,47,47,47	0
57	MG	2A	3209	1/1	0.97	0.19	62,62,62,62	0
57	MG	1A	3666	1/1	0.97	0.05	20,20,20,20	0
57	MG	1A	3462	1/1	0.97	0.09	51,51,51,51	0
57	MG	15	105	1/1	0.97	0.30	35,35,35,35	0
57	MG	1A	4030	1/1	0.97	0.11	47,47,47,47	0
57	MG	2a	1770	1/1	0.97	0.05	68,68,68,68	0
57	MG	1A	3336	1/1	0.97	0.07	39,39,39,39	0
57	MG	1A	3464	1/1	0.97	0.25	30,30,30,30	0
57	MG	1A	4035	1/1	0.97	0.09	16,16,16,16	0
57	MG	2A	3792	1/1	0.97	0.05	47,47,47,47	0
57	MG	1A	3465	1/1	0.97	0.15	41,41,41,41	0
57	MG	1A	3225	1/1	0.97	0.06	21,21,21,21	0
57	MG	1A	3398	1/1	0.97	0.10	37,37,37,37	0
57	MG	2A	3220	1/1	0.97	0.13	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1l	202	1/1	0.97	0.11	40,40,40,40	0
57	MG	1A	3676	1/1	0.97	0.10	46,46,46,46	0
57	MG	1A	3553	1/1	0.97	0.15	36,36,36,36	0
57	MG	2A	3224	1/1	0.97	0.10	34,34,34,34	0
57	MG	2A	3485	1/1	0.97	0.07	44,44,44,44	0
57	MG	18	101	1/1	0.97	0.10	48,48,48,48	0
57	MG	2A	3804	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3399	1/1	0.97	0.15	35,35,35,35	0
57	MG	1A	3116	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3684	1/1	0.97	0.09	43,43,43,43	0
57	MG	1A	3184	1/1	0.97	0.06	35,35,35,35	0
57	MG	2A	3810	1/1	0.97	0.12	38,38,38,38	0
57	MG	2a	1792	1/1	0.97	0.12	33,33,33,33	0
57	MG	2A	3811	1/1	0.97	0.07	40,40,40,40	0
57	MG	1A	4049	1/1	0.97	0.09	35,35,35,35	0
57	MG	1A	3119	1/1	0.97	0.09	28,28,28,28	0
57	MG	1A	3560	1/1	0.97	0.09	35,35,35,35	0
57	MG	1A	3693	1/1	0.97	0.07	29,29,29,29	0
57	MG	1A	4054	1/1	0.97	0.04	25,25,25,25	0
57	MG	1w	106	1/1	0.97	0.06	66,66,66,66	0
57	MG	1A	4056	1/1	0.97	0.07	44,44,44,44	0
57	MG	2A	3824	1/1	0.97	0.07	26,26,26,26	0
57	MG	1A	3561	1/1	0.97	0.34	34,34,34,34	0
57	MG	1a	1606	1/1	0.97	0.16	60,60,60,60	0
57	MG	1A	3150	1/1	0.97	0.16	26,26,26,26	0
57	MG	1x	106	1/1	0.97	0.11	51,51,51,51	0
57	MG	1x	108	1/1	0.97	0.08	22,22,22,22	0
57	MG	1a	1608	1/1	0.97	0.15	56,56,56,56	0
57	MG	2A	3831	1/1	0.97	0.12	55,55,55,55	0
57	MG	1A	3696	1/1	0.97	0.04	25,25,25,25	0
57	MG	1A	3697	1/1	0.97	0.05	55,55,55,55	0
57	MG	2A	3509	1/1	0.97	0.07	30,30,30,30	0
57	MG	1A	4063	1/1	0.97	0.09	53,53,53,53	0
57	MG	2a	1813	1/1	0.97	0.14	45,45,45,45	0
57	MG	1A	3862	1/1	0.97	0.05	29,29,29,29	0
57	MG	2A	3512	1/1	0.97	0.17	54,54,54,54	0
57	MG	1A	3187	1/1	0.97	0.04	27,27,27,27	0
57	MG	1A	3699	1/1	0.97	0.06	24,24,24,24	0
57	MG	1A	3700	1/1	0.97	0.04	25,25,25,25	0
57	MG	2A	3251	1/1	0.97	0.23	45,45,45,45	0
57	MG	1a	1616	1/1	0.97	0.04	42,42,42,42	0
57	MG	1A	3405	1/1	0.97	0.09	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3007	1/1	0.97	0.06	40,40,40,40	0
57	MG	2a	1824	1/1	0.97	0.13	47,47,47,47	0
57	MG	2A	3008	1/1	0.97	0.06	47,47,47,47	0
57	MG	2A	3256	1/1	0.97	0.05	50,50,50,50	0
57	MG	1A	3702	1/1	0.97	0.15	26,26,26,26	0
57	MG	2A	3525	1/1	0.97	0.08	28,28,28,28	0
57	MG	1a	1619	1/1	0.97	0.07	54,54,54,54	0
57	MG	1A	3343	1/1	0.97	0.05	42,42,42,42	0
57	MG	2A	3528	1/1	0.97	0.08	34,34,34,34	0
57	MG	1A	3476	1/1	0.97	0.06	31,31,31,31	0
57	MG	1A	3705	1/1	0.97	0.07	27,27,27,27	0
57	MG	2A	3532	1/1	0.97	0.14	44,44,44,44	0
57	MG	1A	3012	1/1	0.97	0.11	32,32,32,32	0
57	MG	1A	3707	1/1	0.97	0.04	17,17,17,17	0
57	MG	2A	3535	1/1	0.97	0.09	45,45,45,45	0
57	MG	1A	3408	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3152	1/1	0.97	0.07	36,36,36,36	0
57	MG	2A	3538	1/1	0.97	0.08	40,40,40,40	0
57	MG	2A	3019	1/1	0.97	0.06	35,35,35,35	0
57	MG	1A	3039	1/1	0.97	0.11	28,28,28,28	0
57	MG	1A	3481	1/1	0.97	0.08	26,26,26,26	0
57	MG	2A	3022	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3482	1/1	0.97	0.13	28,28,28,28	0
57	MG	1A	3191	1/1	0.97	0.20	27,27,27,27	0
57	MG	1A	3349	1/1	0.97	0.09	53,53,53,53	0
57	MG	1A	3154	1/1	0.97	0.06	36,36,36,36	0
57	MG	2A	3552	1/1	0.97	0.06	37,37,37,37	0
57	MG	1A	3238	1/1	0.97	0.20	33,33,33,33	0
57	MG	1A	3487	1/1	0.97	0.07	39,39,39,39	0
57	MG	1a	1635	1/1	0.97	0.22	67,67,67,67	0
57	MG	1A	4086	1/1	0.97	0.20	36,36,36,36	0
57	MG	1A	3239	1/1	0.97	0.15	47,47,47,47	0
57	MG	1A	3076	1/1	0.97	0.04	33,33,33,33	0
57	MG	2D	305	1/1	0.97	0.21	45,45,45,45	0
57	MG	1A	3123	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3283	1/1	0.97	0.07	53,53,53,53	0
57	MG	2A	3034	1/1	0.97	0.07	30,30,30,30	0
57	MG	1A	3242	1/1	0.97	0.13	37,37,37,37	0
57	MG	1A	3019	1/1	0.97	0.19	41,41,41,41	0
57	MG	1A	3895	1/1	0.97	0.04	37,37,37,37	0
57	MG	1A	3244	1/1	0.97	0.09	33,33,33,33	0
57	MG	2A	3347	1/1	0.98	0.09	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4052	1/1	0.98	0.05	39,39,39,39	0
57	MG	2A	3349	1/1	0.98	0.07	39,39,39,39	0
57	MG	1a	1675	1/1	0.98	0.15	44,44,44,44	0
57	MG	1T	203	1/1	0.98	0.05	42,42,42,42	0
57	MG	1A	3385	1/1	0.98	0.06	25,25,25,25	0
57	MG	1U	202	1/1	0.98	0.10	29,29,29,29	0
57	MG	1A	3106	1/1	0.98	0.05	27,27,27,27	0
57	MG	2A	3760	1/1	0.98	0.05	40,40,40,40	0
57	MG	1A	4055	1/1	0.98	0.07	29,29,29,29	0
57	MG	1A	3920	1/1	0.98	0.05	38,38,38,38	0
57	MG	2A	3763	1/1	0.98	0.03	39,39,39,39	0
57	MG	1A	3807	1/1	0.98	0.07	24,24,24,24	0
57	MG	1A	3017	1/1	0.98	0.12	54,54,54,54	0
57	MG	1A	3550	1/1	0.98	0.18	33,33,33,33	0
57	MG	1a	1685	1/1	0.98	0.11	35,35,35,35	0
57	MG	2A	3555	1/1	0.98	0.07	30,30,30,30	0
57	MG	1A	3035	1/1	0.98	0.15	37,37,37,37	0
57	MG	1A	3170	1/1	0.98	0.04	42,42,42,42	0
57	MG	1U	211	1/1	0.98	0.35	34,34,34,34	0
57	MG	1A	3621	1/1	0.98	0.07	24,24,24,24	0
57	MG	1A	3813	1/1	0.98	0.05	50,50,50,50	0
57	MG	2A	3561	1/1	0.98	0.06	35,35,35,35	0
57	MG	1V	203	1/1	0.98	0.21	28,28,28,28	0
57	MG	1A	3493	1/1	0.98	0.06	30,30,30,30	0
57	MG	2A	3564	1/1	0.98	0.07	38,38,38,38	0
57	MG	2A	3017	1/1	0.98	0.07	37,37,37,37	0
57	MG	1A	3624	1/1	0.98	0.10	30,30,30,30	0
57	MG	1A	3293	1/1	0.98	0.12	29,29,29,29	0
57	MG	1A	3207	1/1	0.98	0.07	31,31,31,31	0
57	MG	1A	3818	1/1	0.98	0.04	38,38,38,38	0
57	MG	1A	3295	1/1	0.98	0.18	35,35,35,35	0
57	MG	1A	3557	1/1	0.98	0.26	46,46,46,46	0
57	MG	1A	3140	1/1	0.98	0.15	29,29,29,29	0
57	MG	1A	3559	1/1	0.98	0.07	41,41,41,41	0
57	MG	1A	3499	1/1	0.98	0.16	24,24,24,24	0
57	MG	1A	3209	1/1	0.98	0.25	31,31,31,31	0
57	MG	1a	1703	1/1	0.98	0.08	52,52,52,52	0
57	MG	1X	102	1/1	0.98	0.20	34,34,34,34	0
57	MG	1A	3003	1/1	0.98	0.03	27,27,27,27	0
57	MG	1X	104	1/1	0.98	0.05	33,33,33,33	0
57	MG	2A	3581	1/1	0.98	0.10	40,40,40,40	0
57	MG	1A	3563	1/1	0.98	0.14	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3795	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	3396	1/1	0.98	0.04	30,30,30,30	0
57	MG	2A	3207	1/1	0.98	0.05	46,46,46,46	0
57	MG	1A	3173	1/1	0.98	0.32	40,40,40,40	0
57	MG	1A	3174	1/1	0.98	0.05	30,30,30,30	0
57	MG	1A	3727	1/1	0.98	0.12	52,52,52,52	0
57	MG	1A	3638	1/1	0.98	0.03	21,21,21,21	0
57	MG	1A	3729	1/1	0.98	0.11	41,41,41,41	0
57	MG	1A	3142	1/1	0.98	0.09	35,35,35,35	0
57	MG	2a	1693	1/1	0.98	0.04	57,57,57,57	0
57	MG	2A	3594	1/1	0.98	0.06	47,47,47,47	0
57	MG	1A	3568	1/1	0.98	0.08	40,40,40,40	0
57	MG	2A	3806	1/1	0.98	0.09	39,39,39,39	0
57	MG	1B	202	1/1	0.98	0.11	38,38,38,38	0
57	MG	1A	3451	1/1	0.98	0.06	35,35,35,35	0
57	MG	2a	1699	1/1	0.98	0.06	60,60,60,60	0
57	MG	1A	3733	1/1	0.98	0.05	40,40,40,40	0
57	MG	1A	3734	1/1	0.98	0.03	31,31,31,31	0
57	MG	1A	3176	1/1	0.98	0.08	25,25,25,25	0
57	MG	1A	3177	1/1	0.98	0.08	24,24,24,24	0
57	MG	1A	3840	1/1	0.98	0.04	42,42,42,42	0
57	MG	1A	3015	1/1	0.98	0.14	26,26,26,26	0
57	MG	1A	3646	1/1	0.98	0.06	17,17,17,17	0
57	MG	1A	3843	1/1	0.98	0.12	44,44,44,44	0
57	MG	2A	3819	1/1	0.98	0.13	62,62,62,62	0
57	MG	2A	3606	1/1	0.98	0.11	55,55,55,55	0
57	MG	2A	3225	1/1	0.98	0.27	32,32,32,32	0
57	MG	2A	3404	1/1	0.98	0.07	31,31,31,31	0
57	MG	1A	3010	1/1	0.98	0.06	34,34,34,34	0
57	MG	1a	1728	1/1	0.98	0.04	50,50,50,50	0
57	MG	1A	3259	1/1	0.98	0.12	33,33,33,33	0
57	MG	12	102	1/1	0.98	0.11	45,45,45,45	0
57	MG	1A	3744	1/1	0.98	0.04	37,37,37,37	0
57	MG	1A	3847	1/1	0.98	0.06	18,18,18,18	0
57	MG	1A	3512	1/1	0.98	0.13	34,34,34,34	0
57	MG	1A	3145	1/1	0.98	0.08	26,26,26,26	0
57	MG	1A	3087	1/1	0.98	0.11	32,32,32,32	0
57	MG	1A	3040	1/1	0.98	0.12	27,27,27,27	0
57	MG	15	101	1/1	0.98	0.10	33,33,33,33	0
57	MG	15	102	1/1	0.98	0.08	33,33,33,33	0
57	MG	2A	3621	1/1	0.98	0.07	44,44,44,44	0
57	MG	1B	220	1/1	0.98	0.05	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3653	1/1	0.98	0.07	40,40,40,40	0
57	MG	2A	3624	1/1	0.98	0.10	39,39,39,39	0
57	MG	1A	3853	1/1	0.98	0.08	31,31,31,31	0
57	MG	1A	3969	1/1	0.98	0.06	34,34,34,34	0
57	MG	2A	3627	1/1	0.98	0.12	48,48,48,48	0
57	MG	2A	3067	1/1	0.98	0.05	38,38,38,38	0
57	MG	2A	3845	1/1	0.98	0.11	39,39,39,39	0
57	MG	2A	3629	1/1	0.98	0.08	35,35,35,35	0
57	MG	2A	3847	1/1	0.98	0.08	30,30,30,30	0
57	MG	1A	3750	1/1	0.98	0.04	49,49,49,49	0
57	MG	1A	3089	1/1	0.98	0.07	36,36,36,36	0
57	MG	1A	3856	1/1	0.98	0.06	39,39,39,39	0
57	MG	2A	3851	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	3311	1/1	0.98	0.08	40,40,40,40	0
57	MG	1A	3656	1/1	0.98	0.06	32,32,32,32	0
57	MG	1A	3222	1/1	0.98	0.11	42,42,42,42	0
57	MG	1A	3977	1/1	0.98	0.05	39,39,39,39	0
57	MG	1A	3978	1/1	0.98	0.06	55,55,55,55	0
57	MG	17	106	1/1	0.98	0.03	35,35,35,35	0
57	MG	1A	3658	1/1	0.98	0.05	44,44,44,44	0
57	MG	1A	3980	1/1	0.98	0.04	30,30,30,30	0
57	MG	1A	3583	1/1	0.98	0.04	30,30,30,30	0
57	MG	1A	3031	1/1	0.98	0.06	40,40,40,40	0
57	MG	2a	1749	1/1	0.98	0.14	44,44,44,44	0
57	MG	2A	3081	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	3758	1/1	0.98	0.04	23,23,23,23	0
57	MG	1A	3032	1/1	0.98	0.12	21,21,21,21	0
57	MG	1B	238	1/1	0.98	0.04	44,44,44,44	0
57	MG	1A	3760	1/1	0.98	0.14	49,49,49,49	0
57	MG	1A	3226	1/1	0.98	0.16	30,30,30,30	0
57	MG	2A	3650	1/1	0.98	0.05	57,57,57,57	0
57	MG	1A	3867	1/1	0.98	0.04	25,25,25,25	0
57	MG	2A	3263	1/1	0.98	0.22	36,36,36,36	0
57	MG	1A	3522	1/1	0.98	0.15	26,26,26,26	0
57	MG	1A	3664	1/1	0.98	0.04	32,32,32,32	0
57	MG	1D	307	1/1	0.98	0.11	32,32,32,32	0
57	MG	1A	3070	1/1	0.98	0.12	19,19,19,19	0
57	MG	2a	1763	1/1	0.98	0.10	58,58,58,58	0
57	MG	2A	3448	1/1	0.98	0.05	45,45,45,45	0
57	MG	1D	309	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	3995	1/1	0.98	0.07	28,28,28,28	0
57	MG	2D	302	1/1	0.98	0.10	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3270	1/1	0.98	0.06	44,44,44,44	0
57	MG	1A	3871	1/1	0.98	0.13	24,24,24,24	0
57	MG	2A	3096	1/1	0.98	0.05	46,46,46,46	0
57	MG	2A	3663	1/1	0.98	0.03	33,33,33,33	0
57	MG	1A	3872	1/1	0.98	0.08	36,36,36,36	0
57	MG	2a	1773	1/1	0.98	0.10	43,43,43,43	0
57	MG	1A	3071	1/1	0.98	0.06	22,22,22,22	0
57	MG	2A	3666	1/1	0.98	0.09	52,52,52,52	0
57	MG	1A	3667	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3043	1/1	0.98	0.08	26,26,26,26	0
57	MG	2A	3458	1/1	0.98	0.03	28,28,28,28	0
57	MG	1E	304	1/1	0.98	0.07	25,25,25,25	0
57	MG	1A	3272	1/1	0.98	0.06	41,41,41,41	0
57	MG	1E	306	1/1	0.98	0.04	35,35,35,35	0
57	MG	1A	3670	1/1	0.98	0.08	27,27,27,27	0
57	MG	1A	3073	1/1	0.98	0.05	14,14,14,14	0
57	MG	1E	309	1/1	0.98	0.12	16,16,16,16	0
57	MG	1A	3369	1/1	0.98	0.05	24,24,24,24	0
57	MG	2F	306	1/1	0.98	0.11	49,49,49,49	0
57	MG	1A	3594	1/1	0.98	0.12	21,21,21,21	0
57	MG	1A	3595	1/1	0.98	0.04	25,25,25,25	0
57	MG	1A	3596	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3883	1/1	0.98	0.04	33,33,33,33	0
57	MG	1a	1786	1/1	0.98	0.04	43,43,43,43	0
57	MG	1a	1787	1/1	0.98	0.08	50,50,50,50	0
57	MG	1A	3057	1/1	0.98	0.12	25,25,25,25	0
57	MG	2R	202	1/1	0.98	0.05	44,44,44,44	0
57	MG	1F	303	1/1	0.98	0.19	34,34,34,34	0
57	MG	2R	204	1/1	0.98	0.05	36,36,36,36	0
57	MG	1A	3276	1/1	0.98	0.05	34,34,34,34	0
57	MG	1A	3125	1/1	0.98	0.22	31,31,31,31	0
57	MG	2A	3118	1/1	0.98	0.06	47,47,47,47	0
57	MG	1a	1793	1/1	0.98	0.05	55,55,55,55	0
57	MG	1F	306	1/1	0.98	0.04	42,42,42,42	0
57	MG	1A	3780	1/1	0.98	0.06	49,49,49,49	0
57	MG	1A	3683	1/1	0.98	0.05	24,24,24,24	0
57	MG	1A	4017	1/1	0.98	0.05	39,39,39,39	0
57	MG	1F	310	1/1	0.98	0.08	36,36,36,36	0
57	MG	2Y	201	1/1	0.98	0.13	37,37,37,37	0
57	MG	1A	3889	1/1	0.98	0.06	54,54,54,54	0
57	MG	1A	3126	1/1	0.98	0.22	34,34,34,34	0
57	MG	2A	3697	1/1	0.98	0.06	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1801	1/1	0.98	0.09	59,59,59,59	0
57	MG	1F	313	1/1	0.98	0.04	30,30,30,30	0
57	MG	1A	3685	1/1	0.98	0.06	46,46,46,46	0
57	MG	1A	3893	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	3279	1/1	0.98	0.07	39,39,39,39	0
57	MG	2a	1815	1/1	0.98	0.12	45,45,45,45	0
57	MG	26	101	1/1	0.98	0.14	41,41,41,41	0
57	MG	2A	3491	1/1	0.98	0.08	34,34,34,34	0
57	MG	1A	3785	1/1	0.98	0.06	48,48,48,48	0
57	MG	2A	3706	1/1	0.98	0.09	55,55,55,55	0
57	MG	1H	201	1/1	0.98	0.13	41,41,41,41	0
57	MG	1A	3786	1/1	0.98	0.10	18,18,18,18	0
57	MG	1A	3044	1/1	0.98	0.08	30,30,30,30	0
57	MG	1A	3788	1/1	0.98	0.06	37,37,37,37	0
57	MG	1A	4028	1/1	0.98	0.04	22,22,22,22	0
57	MG	2a	1825	1/1	0.98	0.09	53,53,53,53	0
57	MG	2A	3138	1/1	0.98	0.18	37,37,37,37	0
57	MG	1A	4029	1/1	0.98	0.03	41,41,41,41	0
57	MG	2A	3714	1/1	0.98	0.05	42,42,42,42	0
57	MG	2A	3500	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	3535	1/1	0.98	0.08	24,24,24,24	0
57	MG	1a	1649	1/1	0.98	0.05	45,45,45,45	0
57	MG	1A	3790	1/1	0.98	0.03	39,39,39,39	0
57	MG	2A	3143	1/1	0.98	0.22	44,44,44,44	0
57	MG	2A	3320	1/1	0.98	0.06	45,45,45,45	0
57	MG	2A	3506	1/1	0.98	0.14	45,45,45,45	0
57	MG	2l	203	1/1	0.98	0.06	63,63,63,63	0
57	MG	2A	3144	1/1	0.98	0.20	46,46,46,46	0
57	MG	1A	4033	1/1	0.98	0.11	58,58,58,58	0
57	MG	1A	3791	1/1	0.98	0.04	35,35,35,35	0
57	MG	1P	202	1/1	0.98	0.15	28,28,28,28	0
57	MG	1a	1654	1/1	0.98	0.13	39,39,39,39	0
57	MG	1A	3792	1/1	0.98	0.08	20,20,20,20	0
57	MG	1A	3692	1/1	0.98	0.07	22,22,22,22	0
57	MG	1A	3426	1/1	0.98	0.16	36,36,36,36	0
57	MG	1A	3033	1/1	0.98	0.05	28,28,28,28	0
57	MG	1Q	201	1/1	0.98	0.12	34,34,34,34	0
57	MG	1A	3099	1/1	0.98	0.10	24,24,24,24	0
57	MG	1Q	203	1/1	0.98	0.09	40,40,40,40	0
57	MG	1A	3046	1/1	0.98	0.08	27,27,27,27	0
57	MG	1A	4042	1/1	0.98	0.03	26,26,26,26	0
57	MG	1A	4043	1/1	0.98	0.04	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3738	1/1	0.98	0.05	51,51,51,51	0
57	MG	1A	3102	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3078	1/1	0.98	0.05	18,18,18,18	0
57	MG	1A	3381	1/1	0.98	0.06	62,62,62,62	0
57	MG	1A	4047	1/1	0.98	0.11	11,11,11,11	0
57	MG	1x	103	1/1	0.98	0.14	52,52,52,52	0
57	MG	1R	204	1/1	0.98	0.11	26,26,26,26	0
57	MG	2A	3530	1/1	0.98	0.05	49,49,49,49	0
57	MG	1A	3914	1/1	0.98	0.06	36,36,36,36	0
57	MG	1A	3047	1/1	0.98	0.04	28,28,28,28	0
57	MG	1x	107	1/1	0.98	0.05	35,35,35,35	0
57	MG	1A	3165	1/1	0.98	0.05	30,30,30,30	0
57	MG	1A	3105	1/1	0.98	0.07	27,27,27,27	0
60	ZN	25	102	1/1	0.98	0.03	80,80,80,80	0
57	MG	2A	3751	1/1	0.98	0.07	58,58,58,58	0
57	MG	1A	4064	1/1	0.99	0.03	33,33,33,33	0
57	MG	1A	3764	1/1	0.99	0.06	28,28,28,28	0
57	MG	1A	4011	1/1	0.99	0.04	31,31,31,31	0
57	MG	1A	3640	1/1	0.99	0.09	34,34,34,34	0
57	MG	2A	3545	1/1	0.99	0.05	37,37,37,37	0
57	MG	2A	3546	1/1	0.99	0.03	25,25,25,25	0
57	MG	2A	3702	1/1	0.99	0.07	34,34,34,34	0
57	MG	1A	3117	1/1	0.99	0.06	49,49,49,49	0
57	MG	2A	3548	1/1	0.99	0.05	34,34,34,34	0
57	MG	1A	4014	1/1	0.99	0.06	26,26,26,26	0
57	MG	1a	1740	1/1	0.99	0.04	27,27,27,27	0
57	MG	1a	1741	1/1	0.99	0.08	25,25,25,25	0
57	MG	1A	3118	1/1	0.99	0.06	22,22,22,22	0
57	MG	2A	3154	1/1	0.99	0.08	31,31,31,31	0
57	MG	1D	302	1/1	0.99	0.04	26,26,26,26	0
57	MG	2A	3632	1/1	0.99	0.02	39,39,39,39	0
57	MG	1A	3577	1/1	0.99	0.03	38,38,38,38	0
57	MG	2A	3092	1/1	0.99	0.04	37,37,37,37	0
57	MG	1A	3620	1/1	0.99	0.08	37,37,37,37	0
57	MG	2D	303	1/1	0.99	0.05	29,29,29,29	0
57	MG	1A	3344	1/1	0.99	0.13	41,41,41,41	0
57	MG	2A	3716	1/1	0.99	0.04	33,33,33,33	0
57	MG	1A	3970	1/1	0.99	0.08	22,22,22,22	0
57	MG	1A	3622	1/1	0.99	0.05	32,32,32,32	0
57	MG	1A	3735	1/1	0.99	0.03	26,26,26,26	0
57	MG	1A	3736	1/1	0.99	0.05	20,20,20,20	0
57	MG	1A	3737	1/1	0.99	0.07	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3775	1/1	0.99	0.03	51,51,51,51	0
57	MG	1A	3275	1/1	0.99	0.27	29,29,29,29	0
57	MG	1A	4026	1/1	0.99	0.07	24,24,24,24	0
57	MG	1A	3892	1/1	0.99	0.06	43,43,43,43	0
57	MG	1A	3498	1/1	0.99	0.13	26,26,26,26	0
57	MG	1A	3082	1/1	0.99	0.18	33,33,33,33	0
57	MG	1A	3674	1/1	0.99	0.12	17,17,17,17	0
57	MG	2A	3572	1/1	0.99	0.03	36,36,36,36	0
57	MG	1T	202	1/1	0.99	0.14	40,40,40,40	0
57	MG	1A	3038	1/1	0.99	0.13	18,18,18,18	0
57	MG	1A	4032	1/1	0.99	0.05	20,20,20,20	0
57	MG	1A	3026	1/1	0.99	0.05	39,39,39,39	0
57	MG	1A	3677	1/1	0.99	0.10	20,20,20,20	0
57	MG	2A	3815	1/1	0.99	0.07	26,26,26,26	0
57	MG	1A	3678	1/1	0.99	0.06	21,21,21,21	0
57	MG	1A	3985	1/1	0.99	0.08	30,30,30,30	0
57	MG	2A	3818	1/1	0.99	0.08	21,21,21,21	0
57	MG	1A	3986	1/1	0.99	0.07	32,32,32,32	0
57	MG	2A	3820	1/1	0.99	0.09	57,57,57,57	0
57	MG	1A	3330	1/1	0.99	0.05	40,40,40,40	0
57	MG	2A	3822	1/1	0.99	0.05	45,45,45,45	0
57	MG	1A	3014	1/1	0.99	0.04	30,30,30,30	0
57	MG	2A	3583	1/1	0.99	0.06	34,34,34,34	0
57	MG	1A	3681	1/1	0.99	0.04	24,24,24,24	0
57	MG	1A	4041	1/1	0.99	0.02	23,23,23,23	0
57	MG	17	101	1/1	0.99	0.03	27,27,27,27	0
57	MG	17	102	1/1	0.99	0.05	25,25,25,25	0
57	MG	2A	3513	1/1	0.99	0.04	32,32,32,32	0
57	MG	2A	3589	1/1	0.99	0.02	27,27,27,27	0
57	MG	2A	3590	1/1	0.99	0.06	31,31,31,31	0
57	MG	2A	3514	1/1	0.99	0.08	58,58,58,58	0
57	MG	1A	3133	1/1	0.99	0.19	35,35,35,35	0
57	MG	1A	3991	1/1	0.99	0.04	23,23,23,23	0
57	MG	1A	3086	1/1	0.99	0.10	31,31,31,31	0
57	MG	1A	3906	1/1	0.99	0.02	29,29,29,29	0
57	MG	1A	3994	1/1	0.99	0.05	21,21,21,21	0
57	MG	1a	1715	1/1	0.99	0.04	49,49,49,49	0
57	MG	1A	3021	1/1	0.99	0.03	20,20,20,20	0
57	MG	1A	3136	1/1	0.99	0.03	32,32,32,32	0
57	MG	1A	3686	1/1	0.99	0.03	26,26,26,26	0
57	MG	1A	3998	1/1	0.99	0.07	25,25,25,25	0
57	MG	1A	3237	1/1	0.99	0.08	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3688	1/1	0.99	0.09	22,22,22,22	0
57	MG	1A	3689	1/1	0.99	0.05	17,17,17,17	0
57	MG	1A	3913	1/1	0.99	0.05	30,30,30,30	0
57	MG	1W	206	1/1	0.99	0.07	24,24,24,24	0
57	MG	1A	3721	1/1	0.99	0.04	29,29,29,29	0
57	MG	1A	3197	1/1	0.99	0.05	18,18,18,18	0
57	MG	2A	3464	1/1	0.99	0.06	48,48,48,48	0
57	MG	1A	3723	1/1	0.99	0.07	40,40,40,40	0
57	MG	1A	3224	1/1	0.99	0.05	20,20,20,20	0
57	MG	1A	3270	1/1	0.99	0.21	26,26,26,26	0
57	MG	1A	3100	1/1	0.99	0.04	31,31,31,31	0
57	MG	1A	4061	1/1	0.99	0.11	41,41,41,41	0
60	ZN	1Y	203	1/1	0.99	0.03	69,69,69,69	0
57	MG	1A	4062	1/1	0.99	0.08	33,33,33,33	0
60	ZN	15	110	1/1	0.99	0.04	43,43,43,43	0
60	ZN	16	103	1/1	0.99	0.03	41,41,41,41	0
60	ZN	19	501	1/1	0.99	0.09	56,56,56,56	0
60	ZN	1n	104	1/1	0.99	0.03	55,55,55,55	0
60	ZN	2Y	202	1/1	0.99	0.03	103,103,103,103	0
57	MG	1A	3108	1/1	0.99	0.08	25,25,25,25	0
57	MG	2A	3540	1/1	0.99	0.07	32,32,32,32	0
60	ZN	26	102	1/1	0.99	0.04	59,59,59,59	0
60	ZN	29	501	1/1	0.99	0.03	66,66,66,66	0
57	MG	2A	3695	1/1	0.99	0.03	45,45,45,45	0
61	SF4	1d	302	8/8	0.99	0.04	46,48,60,61	0
61	SF4	2d	303	8/8	0.99	0.03	57,71,80,82	0
57	MG	2A	3550	1/1	1.00	0.10	29,29,29,29	0
57	MG	1A	3924	1/1	1.00	0.05	17,17,17,17	0
57	MG	1P	201	1/1	1.00	0.10	26,26,26,26	0
57	MG	1A	3798	1/1	1.00	0.04	22,22,22,22	0
57	MG	1a	1790	1/1	1.00	0.03	37,37,37,37	0
57	MG	1A	3905	1/1	1.00	0.03	28,28,28,28	0

6.5 Other polymers (i)

There are no such residues in this entry.