wwPDB X-ray Structure Validation Summary Report (i)

Mar 18, 2026 – 12:01 AM UTC

PDB ID	:	6XHW / pdb_00006xhw
Title	:	Crystal structure of the A2058-unmethylated Thermus thermophilus 70S ribosome in complex with mRNA, aminoacylated A- and P-site tRNAs, and deacylated E-site tRNA at 2.50A resolution
Authors	:	Svetlov, M.S.; Syroegin, E.A.; Aleksandrova, E.V.; Atkinson, G.C.; Gregory, S.T.; Mankin, A.S.; Polikanov, Y.S.
Deposited on	:	2020-06-19
Resolution	:	2.50 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/XrayValidationReportHelp
with specific help available everywhere you see the (i) symbol.

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

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

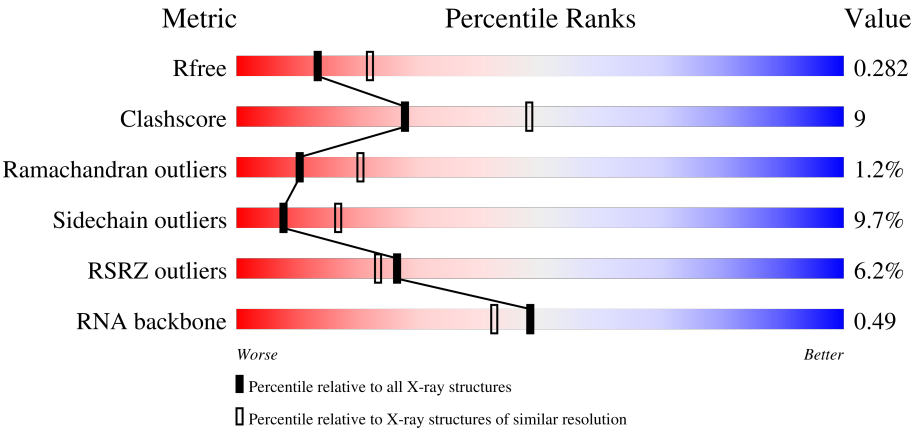
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

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 2.50 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	5829 (2.50-2.50)
Clashscore	190562	6492 (2.50-2.50)
Ramachandran outliers	187476	6378 (2.50-2.50)
Sidechain outliers	187428	6380 (2.50-2.50)
RSRZ outliers	180081	5833 (2.50-2.50)
RNA backbone	3983	1003 (2.78-2.22)

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	5% 65% 27% 6%
1	2A	2915	4% 57% 32% 7%
2	1B	121	71% 26%

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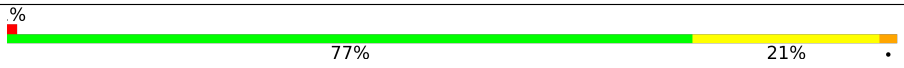
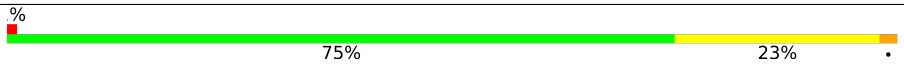
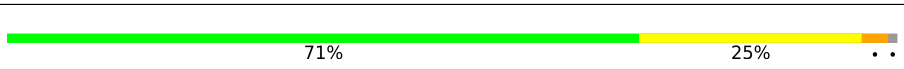
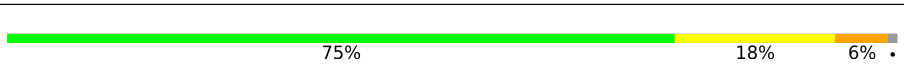
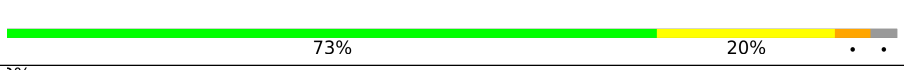
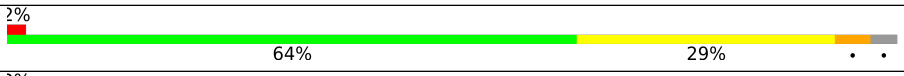
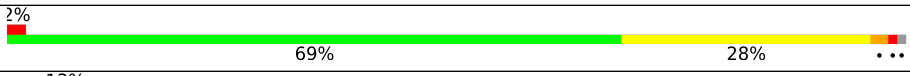
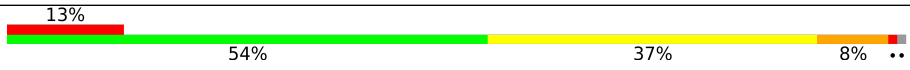
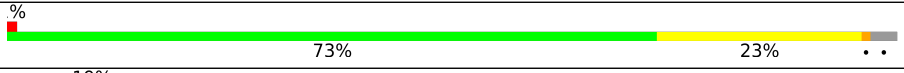
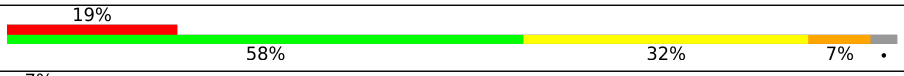
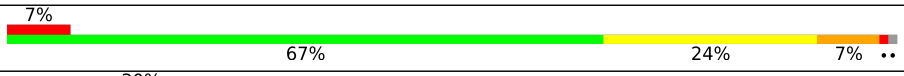
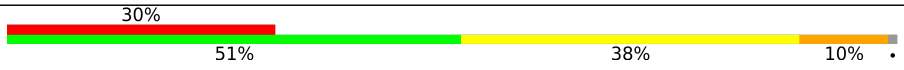
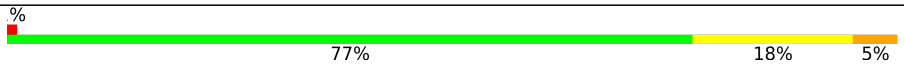
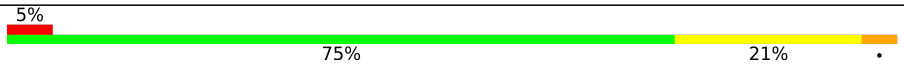
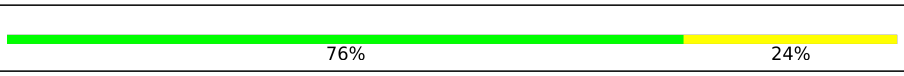
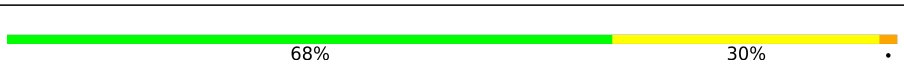
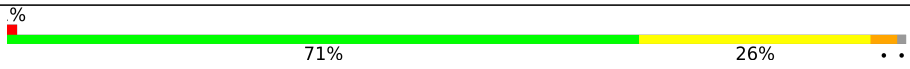
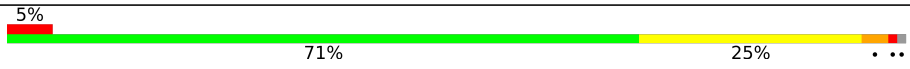
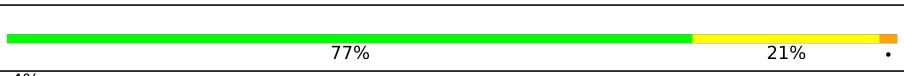
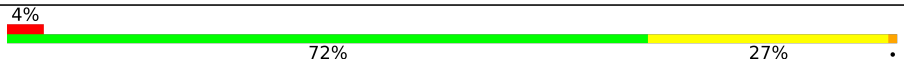
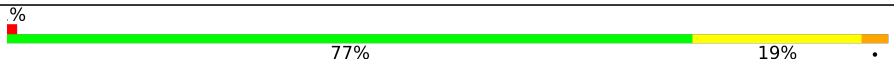
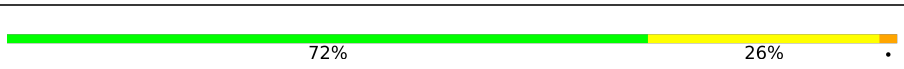
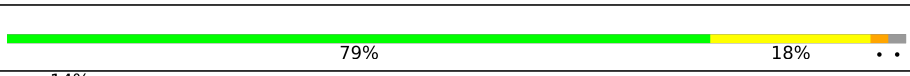
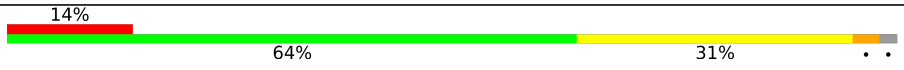
Mol	Chain	Length	Quality of chain
2	2B	121	
3	1D	276	
3	2D	276	
4	1E	206	
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
7	1H	180	
7	2H	180	
8	1I	148	
8	2I	148	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	150	
11	2P	150	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	112	
14	2S	112	

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Mol	Chain	Length	Quality of chain
15	1T	146	2% 67% 21% 10%
15	2T	146	5% 59% 28% 10%
16	1U	118	76% 20%
16	2U	118	3% 69% 27%
17	1V	101	74% 25%
17	2V	101	3% 66% 29%
18	1W	113	% 74% 22%
18	2W	113	% 71% 27%
19	1X	96	% 77% 20%
19	2X	96	4% 82% 16%
20	1Y	110	% 66% 26% 5%
20	2Y	110	11% 72% 24%
21	1Z	206	6% 45% 26% 25%
21	2Z	206	21% 43% 27% 7% 22%
22	10	85	81% 16%
22	20	85	6% 66% 31%
23	11	98	2% 84% 11%
23	21	98	6% 70% 26%
24	12	72	69% 25%
24	22	72	% 65% 31%
25	13	60	2% 57% 38%
25	23	60	2% 72% 23%
26	14	71	18% 55% 35% 6%
26	24	71	35% 39% 51% 7%
27	15	60	90% 8%

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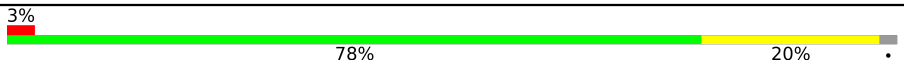
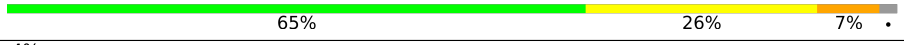
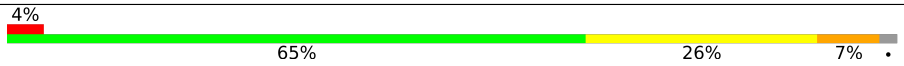
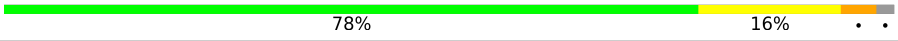
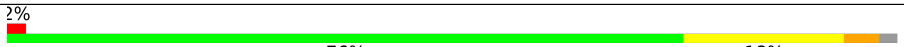
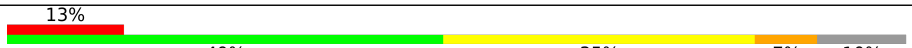
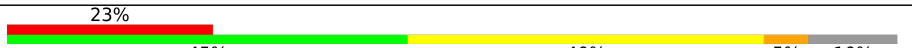
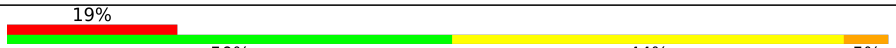
Mol	Chain	Length	Quality of chain
27	25	60	
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	
39	2h	138	

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Mol	Chain	Length	Quality of chain
40	1i	128	9% 70% 26%
40	2i	128	34% 55% 40%
41	1j	105	13% 59% 29% 5% 8%
41	2j	105	32% 50% 34% 7% 9%
42	1k	129	% 61% 24% 12%
42	2k	129	9% 58% 27% 12%
43	1l	132	3% 65% 27% 8%
43	2l	132	5% 73% 18% 8%
44	1m	126	6% 68% 24% 5%
44	2m	126	33% 52% 39% 5%
45	1n	61	5% 74% 20% 5%
45	2n	61	44% 64% 33%
46	1o	89	% 66% 29%
46	2o	89	12% 73% 24%
47	1p	88	14% 57% 34% 7%
47	2p	88	6% 52% 34% 7% 7%
48	1q	105	3% 70% 22% 6%
48	2q	105	10% 68% 25% 6%
49	1r	88	% 57% 19% 23%
49	2r	88	3% 44% 31% 23%
50	1s	93	4% 57% 29% 11%
50	2s	93	19% 48% 35% 5% 11%
51	1t	106	12% 61% 25% 9%
51	2t	106	12% 58% 31% 9%
52	1u	27	4% 59% 22% 15%

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Mol	Chain	Length	Quality of chain
52	2u	27	26% 59% 26% 15%
53	1v	24	8% 42% 8% 46%
53	2v	24	17% 38% 12% 46%
54	1w	76	16% 38% 38% 20%
54	2w	76	11% 34% 45% 13% 5%
55	1x	77	% 65% 26% 8%
55	2x	77	% 66% 27% 5%
56	1y	76	17% 17% 53% 25%
56	2y	76	20% 38% 41% 14%

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	3149	-	-	-	X

2 Entry composition (i)

There are 61 unique types of molecules in this entry. The entry contains 300196 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	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1580	1007	297	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 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 tRNA.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	74	Total	C	N	O	P	S	0	0	0
			1603	722	287	518	74	2			
54	2w	72	Total	C	N	O	P	S	0	0	0
			1555	699	280	502	72	2			

- Molecule 55 is a RNA chain called P-site tRNA.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	76	Total	C	N	O	P	S	0	0	0
			1635	731	296	530	76	2			
55	2x	76	Total	C	N	O	P	S	0	0	0
			1635	731	296	530	76	2			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1x	76	31H	-	expression tag	GB 1848949880
2x	76	31H	-	expression tag	GB 1848949880

- Molecule 56 is a RNA chain called E-site tRNA.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
56	1y	74	Total	C	N	O	P	S	0	0	0
			1585	707	285	518	74	1			
56	2y	73	Total	C	N	O	P	S	0	0	0
			1565	698	283	510	73	1			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1297	Total	Mg	0	0
			1297	1297		
57	1a	255	Total	Mg	0	0
			255	255		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	2A	963	Total Mg 963 963	0	0
57	2a	281	Total Mg 281 281	0	0

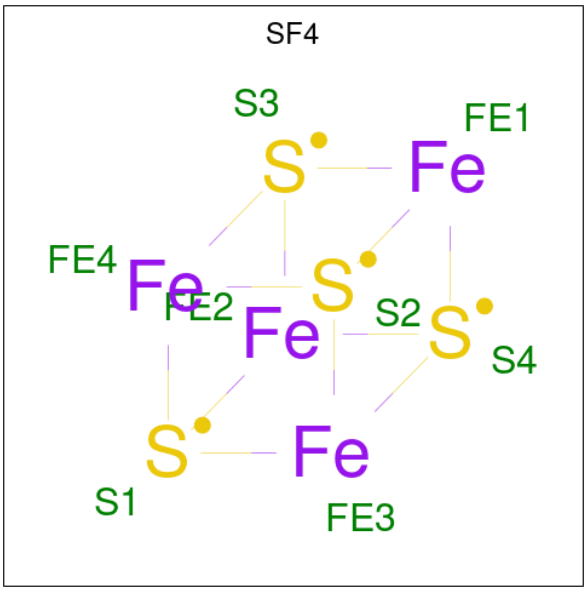
- Molecule 58 is POTASSIUM ION (CCD ID: K) (formula: K).

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 ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1Y	1	Total Zn 1 1	0	0
59	14	1	Total Zn 1 1	0	0
59	15	1	Total Zn 1 1	0	0
59	16	1	Total Zn 1 1	0	0
59	19	1	Total Zn 1 1	0	0
59	1n	1	Total Zn 1 1	0	0
59	2Y	1	Total Zn 1 1	0	0
59	24	1	Total Zn 1 1	0	0
59	25	1	Total Zn 1 1	0	0
59	26	1	Total Zn 1 1	0	0
59	29	1	Total Zn 1 1	0	0
59	2n	1	Total Zn 1 1	0	0

- Molecule 60 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1d	1	Total Fe S 8 4 4	0	0
60	2d	1	Total Fe S 8 4 4	0	0

- Molecule 61 is water.

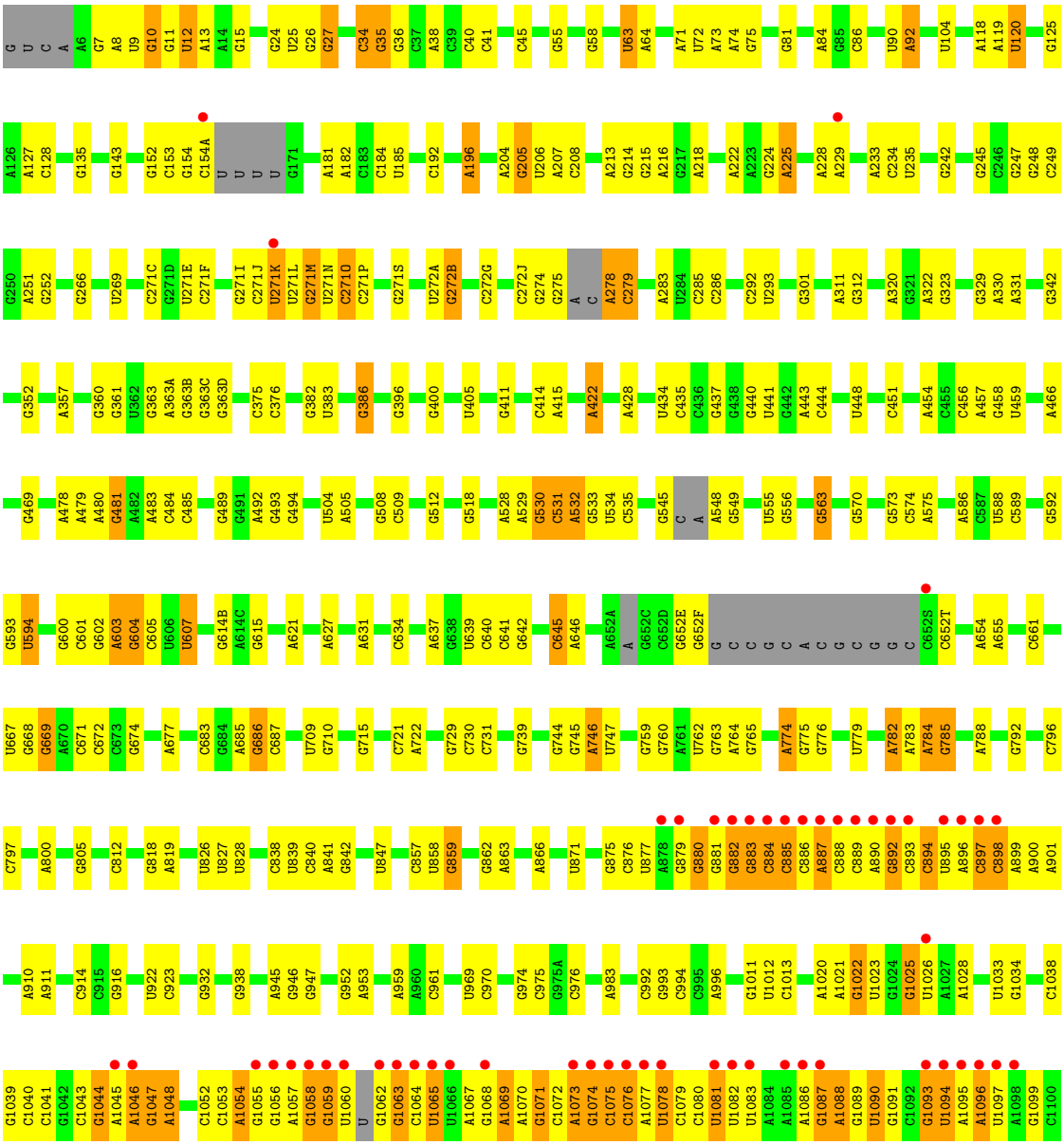
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	1A	2319	Total O 2319 2319	0	0
61	1a	422	Total O 422 422	0	0
61	2A	1298	Total O 1298 1298	0	0
61	2a	304	Total O 304 304	0	0

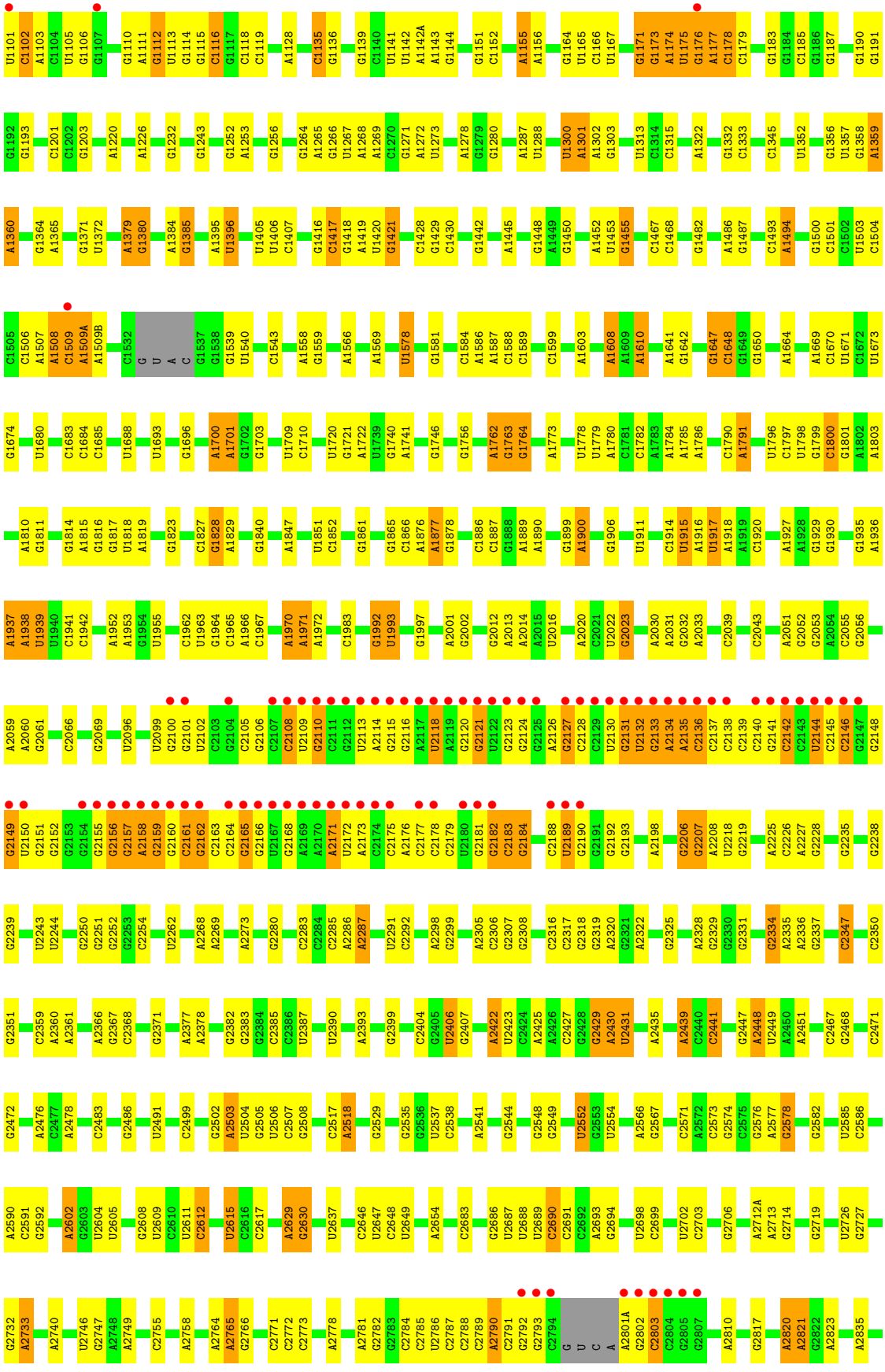
3 Residue-property plots (i)

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:




U1101 C1102 A1103 C1104 U1105 G1106 G1107 G1110 A1111 G1112 U1113 G1114 G1115 C1116 G1117 C1118 C1119 A1128 C1135 G1136 G1139 C1140 U1141 U1142 A1142A A1143 G1144 G1151 C1152 A1155 A1156 G1164 U1165 C1166 U1167 G1171 G1173 A1174 U1175 G1176 A1177 C1178 C1179 G1183 G1184 C1185 G1186 G1187 G1190 G1191
G1192 G1193 C1201 C1202 G1203 A1220 A1226 G1232 G1243 G1252 A1253 G1256 G1264 A1265 G1266 U1267 A1268 A1269 C1270 G1271 A1272 U1273 A1278 G1279 G1280 A1287 U1288 U1300 A1301 A1302 G1303 U1313 C1314 C1315 A1322 G1332 C1333 C1345 U1352 G1356 U1357 G1358 A1359
A1360 G1364 A1365 G1371 U1372 A1379 G1380 A1384 G1385 A1395 U1396 U1405 U1406 C1407 G1416 C1417 G1418 A1419 U1420 G1421 C1428 G1429 C1430 G1442 A1445 G1448 A1449 G1450 A1452 U1453 G1455 C1467 C1468 G1482 A1486 G1487 C1493 A1494 G1500 C1501 C1502 U1503 C1504
C1505 C1506 A1507 A1508 C1509 A1509A A1509B C1532 G U A C G1537 G1538 G1539 U1540 C1543 A1558 G1559 A1566 A1569 U1578 G1581 C1584 A1586 A1587 C1588 C1589 C1599 A1603 A1608 A1609 A1610 A1641 G1642 G1647 C1648 G1649 G1650 A1664 A1669 C1670 U1671 C1672 U1673
G1674 U1680 C1683 C1684 C1685 U1688 U1693 G1696 A1700 A1701 G1702 G1703 U1709 C1710 U1720 G1721 A1722 U1739 G1740 A1741 G1746 G1756 A1762 G1763 G1764 A1773 U1778 U1779 A1780 C1781 C1782 A1783 A1784 A1785 A1786 C1790 A1791 U1796 C1797 U1798 G1799 C1800 G1801 A1802 A1803
A1810 C1811 G1814 A1815 G1816 G1817 U1818 A1819 C1823 C1827 G1828 A1829 C1840 A1847 U1851 C1852 G1861 C1865 C1866 A1876 A1877 G1878 C1886 C1887 G1888 A1889 A1890 G1899 A1900 G1906 U1911 C1914 U1915 A1916 U1917 A1918 A1919 C1920 A1927 A1928 G1929 G1930 G1935 A1936
A1937 A1938 U1939 U1940 C1941 C1942 A1952 A1953 G1954 U1955 C1962 U1963 G1964 C1965 A1966 C1967 A1970 A1971 A1972 C1983 G1992 U1993 G1997 A2001 G2002 G2012 A2013 A2014 A2015 U2016 A2020 C2021 U2022 G2023 A2030 A2031 G2032 A2033 C2039 C2043 A2051 G2052 G2053 A2054 C2055 G2056
A2059 A2060 G2061 C2066 G2069 U2096 U2099 G2100 G2101 U2102 C2103 G2104 C2105 G2106 C2107 C2108 U2109 G2110 C2111 G2112 U2113 A2114 G2115 G2116 A2117 U2118 A2119 G2120 G2121 U2122 G2123 G2124 G2125 A2126 G2127 C2128 C2129 U2130 G2131 U2132 G2133 A2134 A2135 C2136 C2137 C2138 C2139 C2140 G2141 C2142 C2143 U2144 C2145 C2146 G2147 G2148
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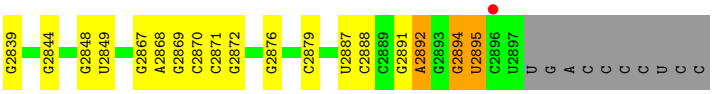
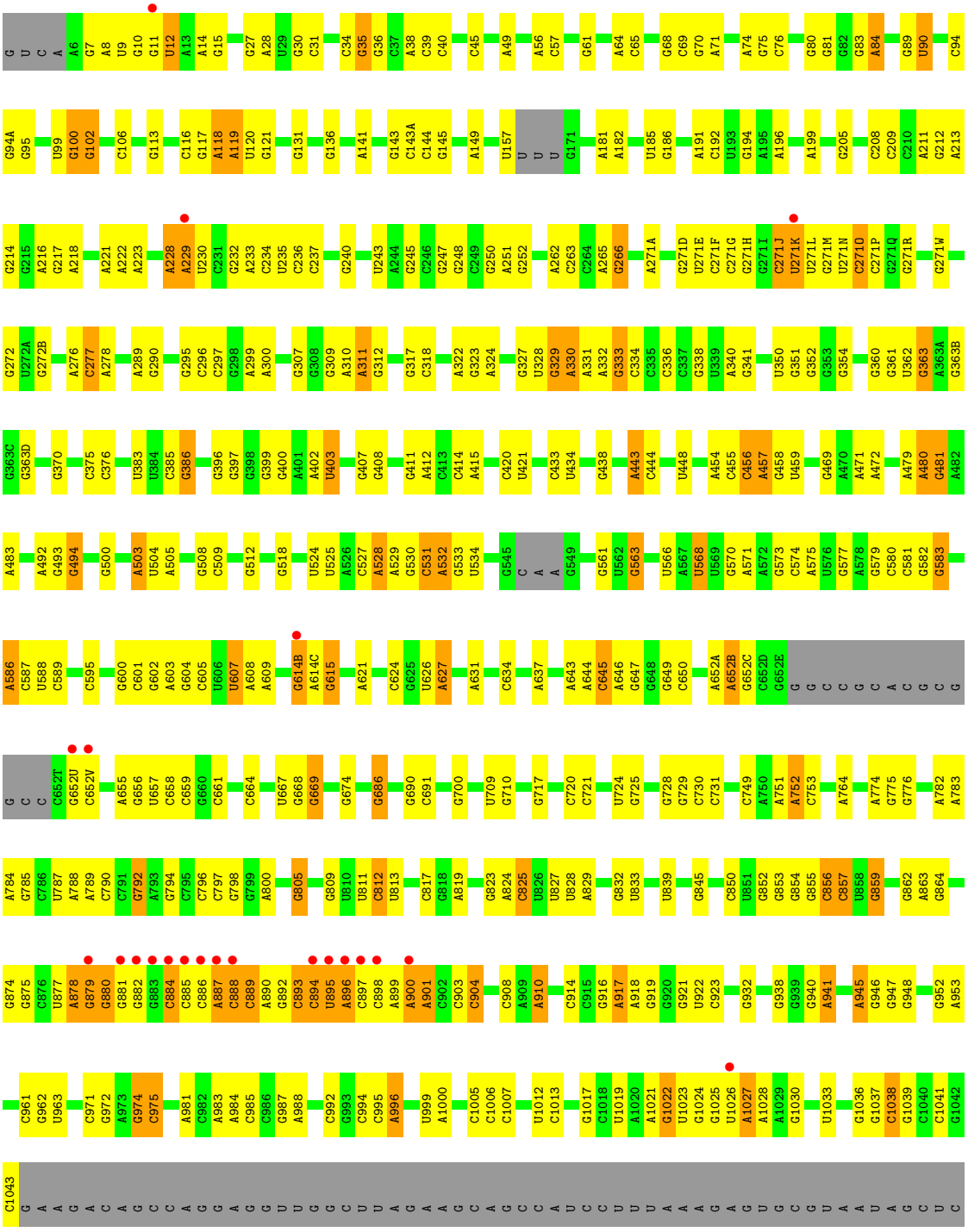
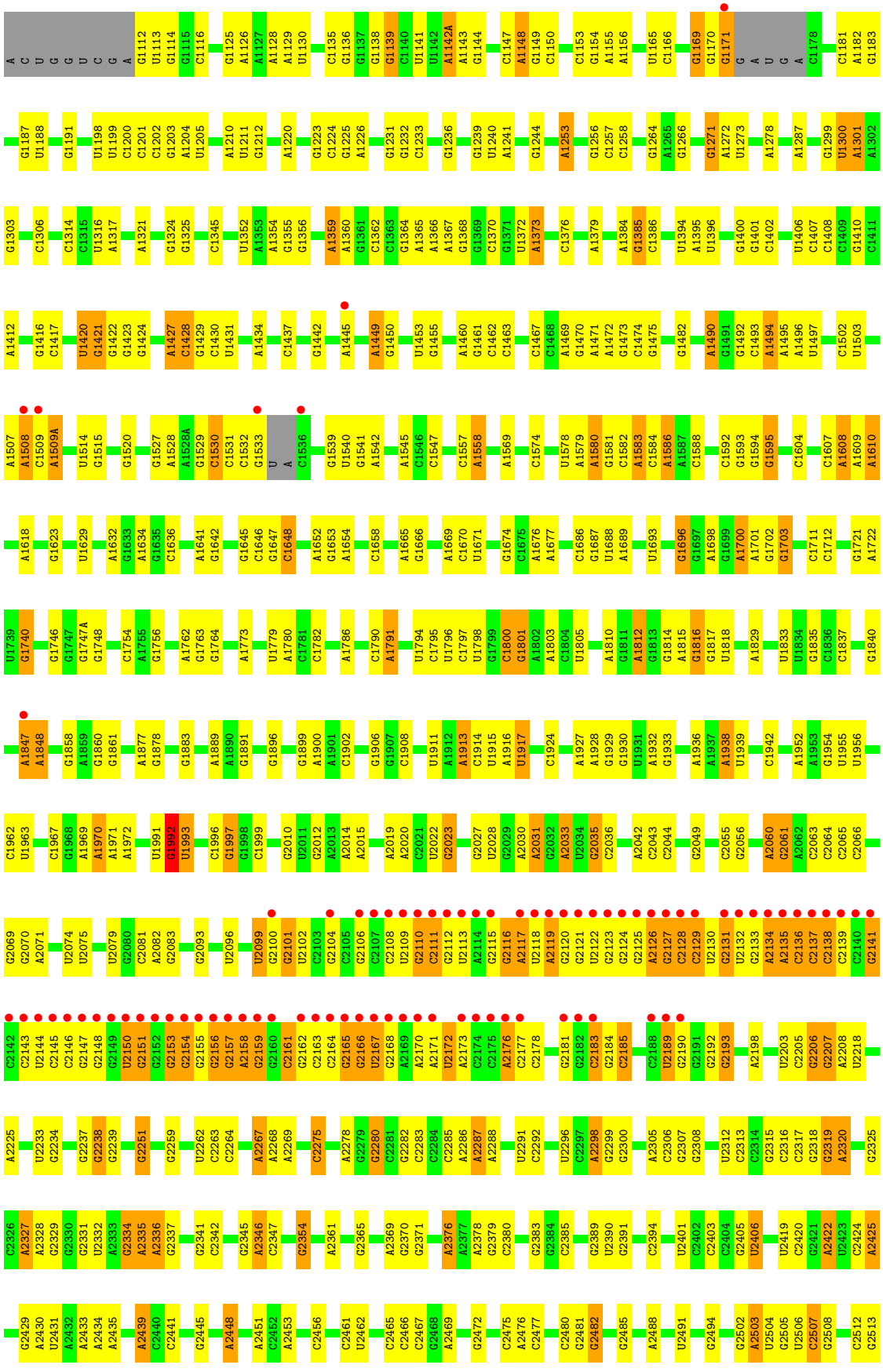
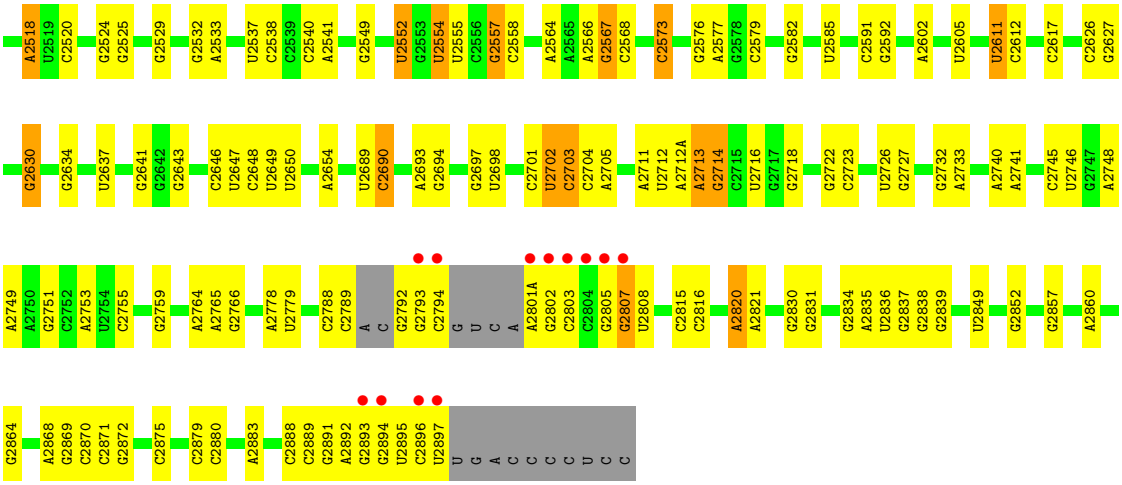


• Molecule 1: 23S Ribosomal RNA

Chain 2A:

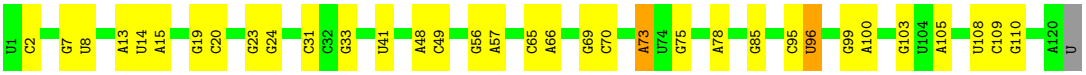






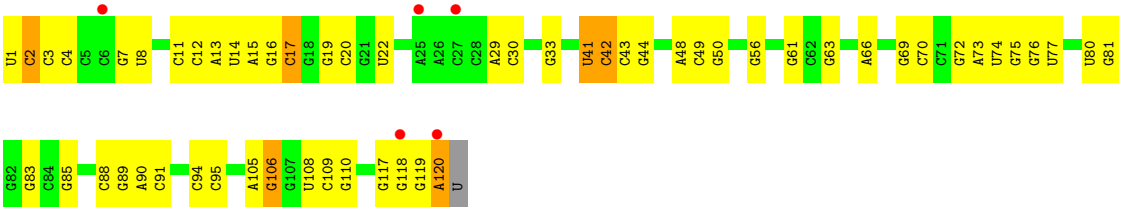
• Molecule 2: 5S Ribosomal RNA

Chain 1B:



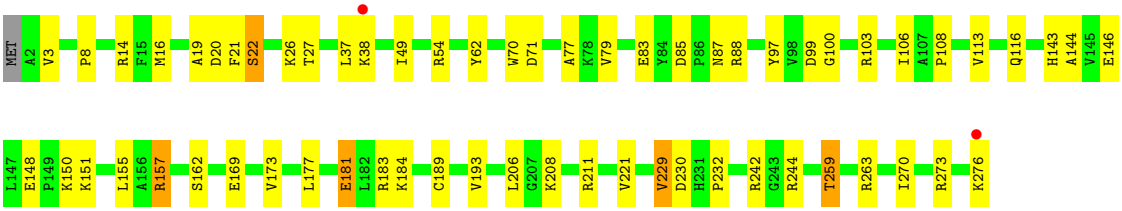
• Molecule 2: 5S Ribosomal RNA

Chain 2B:



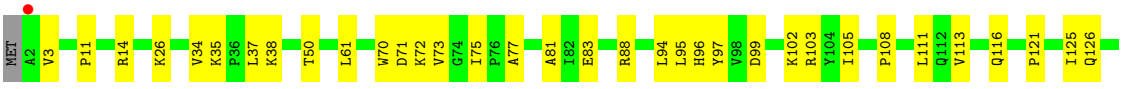
• Molecule 3: 50S ribosomal protein L2

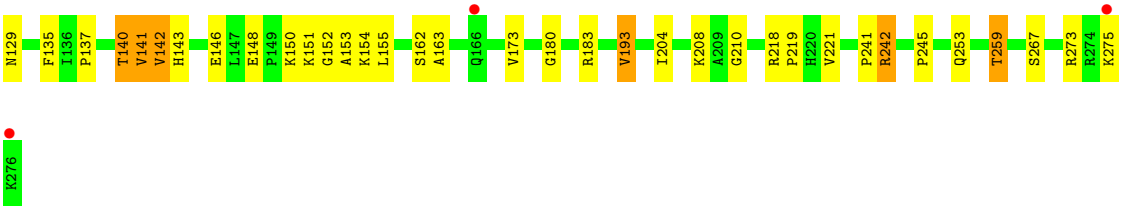
Chain 1D:



• Molecule 3: 50S ribosomal protein L2

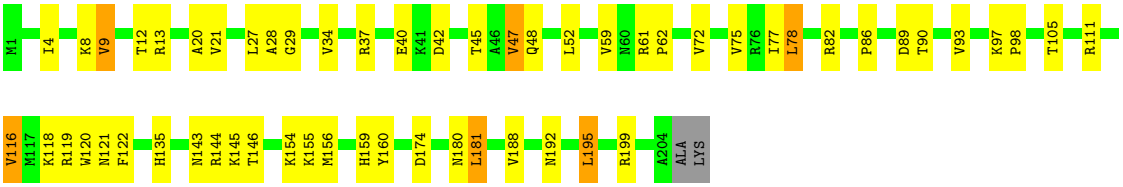
Chain 2D:





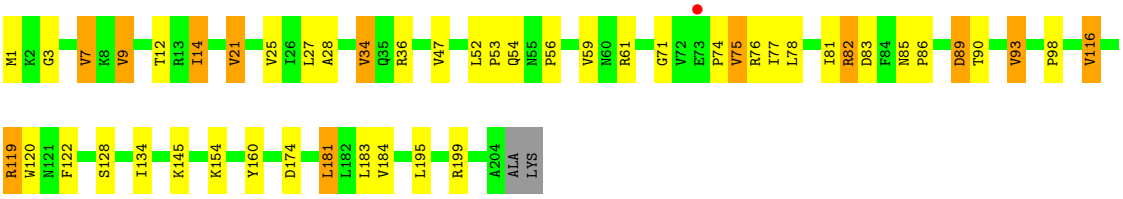
• Molecule 4: 50S ribosomal protein L3

Chain 1E:



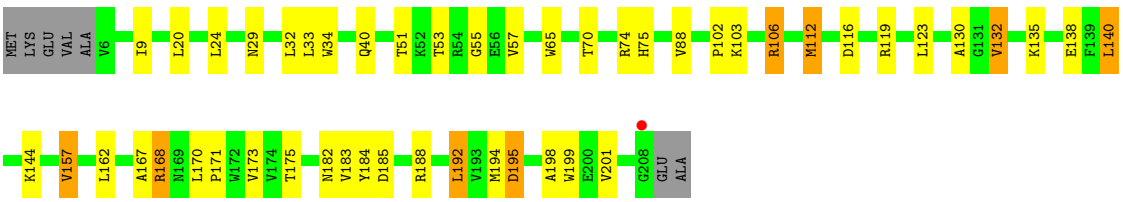
• Molecule 4: 50S ribosomal protein L3

Chain 2E:



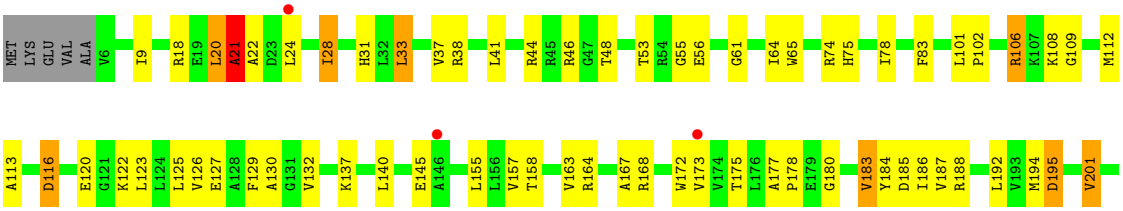
• Molecule 5: 50S ribosomal protein L4

Chain 1F:



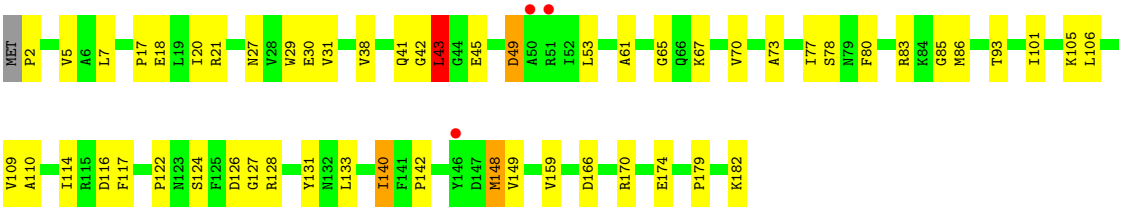
• Molecule 5: 50S ribosomal protein L4

Chain 2F:



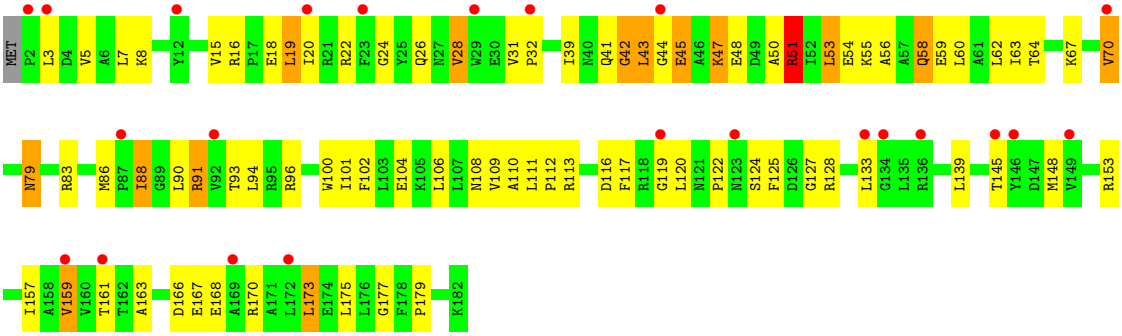
• Molecule 6: 50S ribosomal protein L5

Chain 1G:



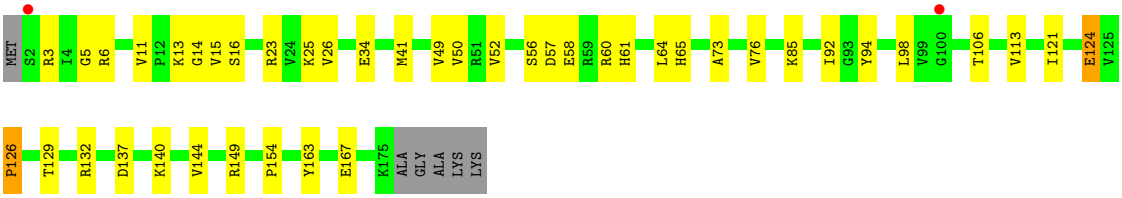
• Molecule 6: 50S ribosomal protein L5

Chain 2G:



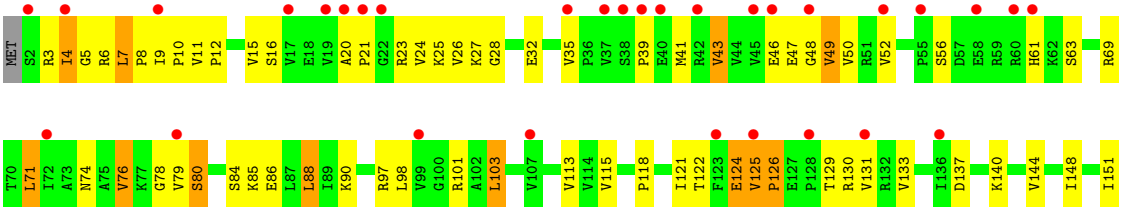
• Molecule 7: 50S ribosomal protein L6

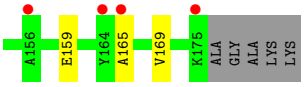
Chain 1H:



• Molecule 7: 50S ribosomal protein L6

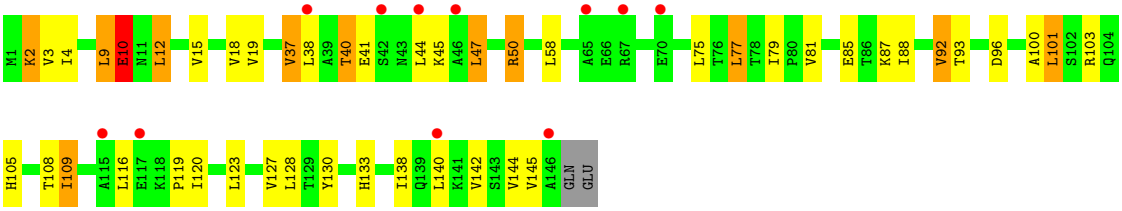
Chain 2H:





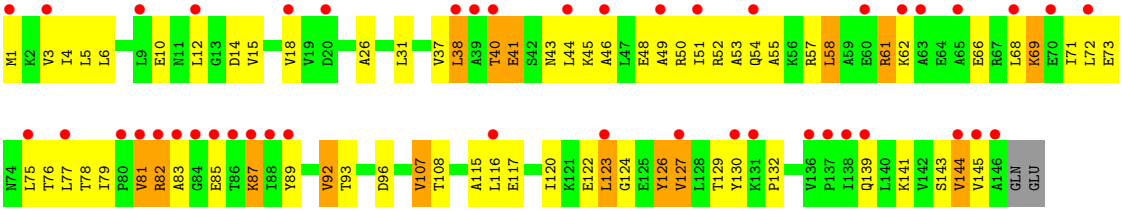
• Molecule 8: 50S ribosomal protein L9

Chain 1I:



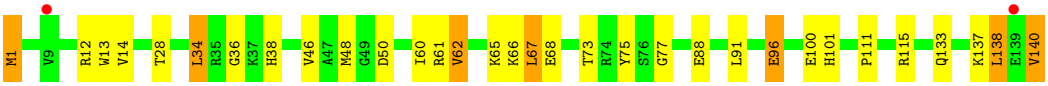
• Molecule 8: 50S ribosomal protein L9

Chain 2I:



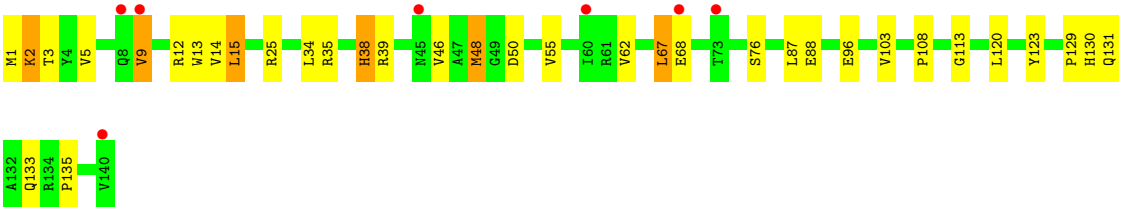
• Molecule 9: 50S ribosomal protein L13

Chain 1N:



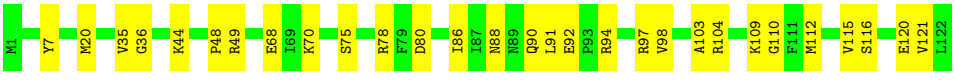
• Molecule 9: 50S ribosomal protein L13

Chain 2N:



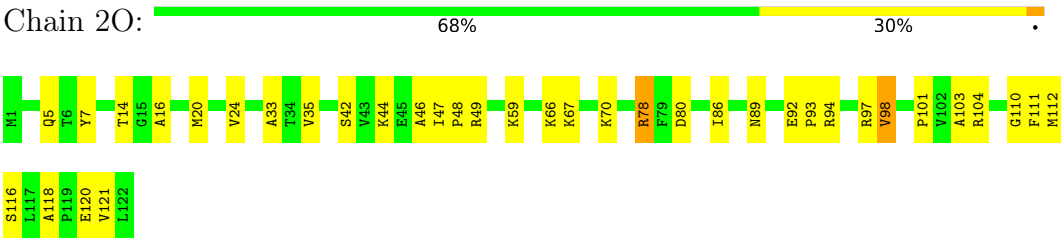
• Molecule 10: 50S ribosomal protein L14

Chain 1O:



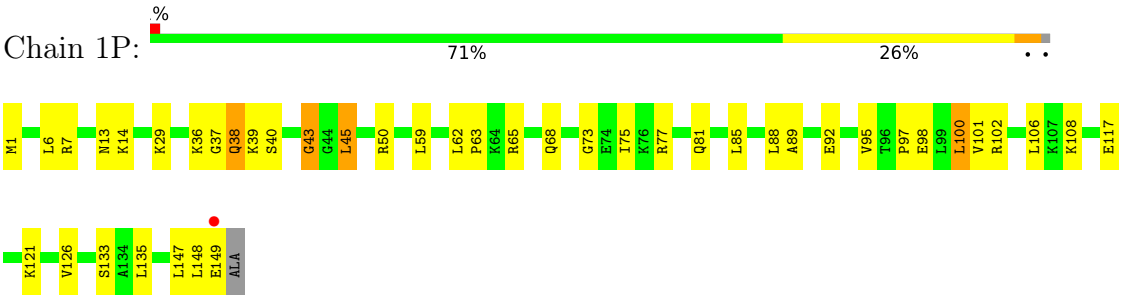
• Molecule 10: 50S ribosomal protein L14

Chain 2O:



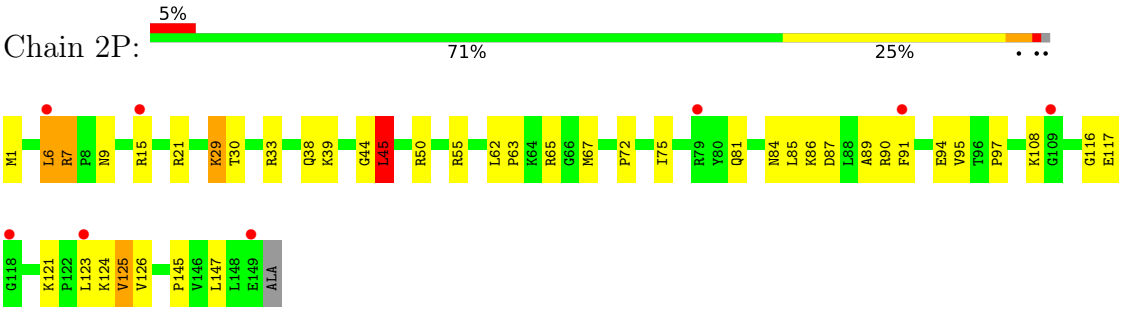
• Molecule 11: 50S ribosomal protein L15

Chain 1P:



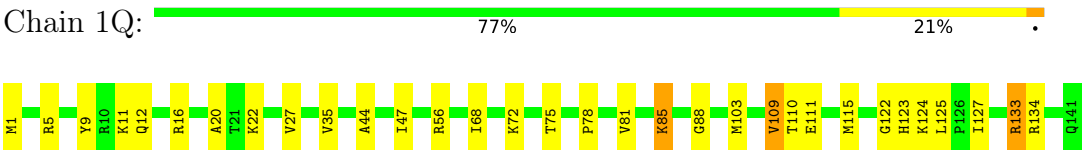
• Molecule 11: 50S ribosomal protein L15

Chain 2P:



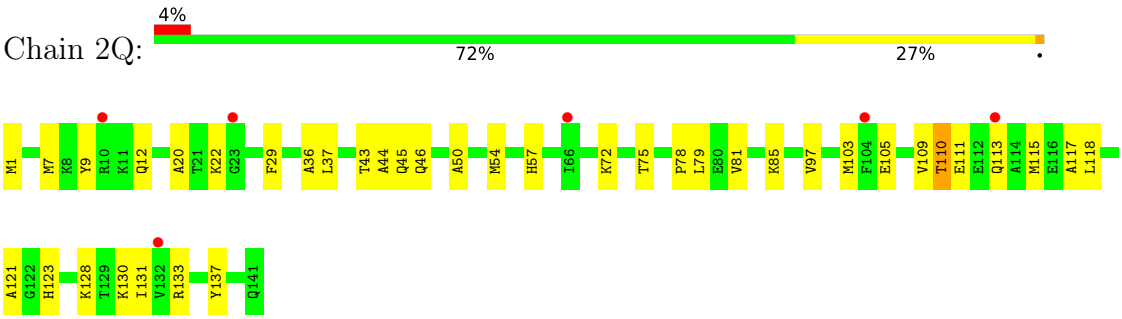
• Molecule 12: 50S ribosomal protein L16

Chain 1Q:



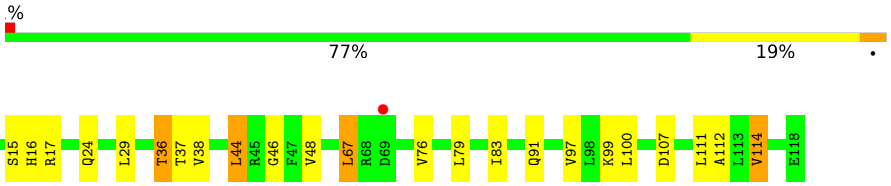
• Molecule 12: 50S ribosomal protein L16

Chain 2Q:



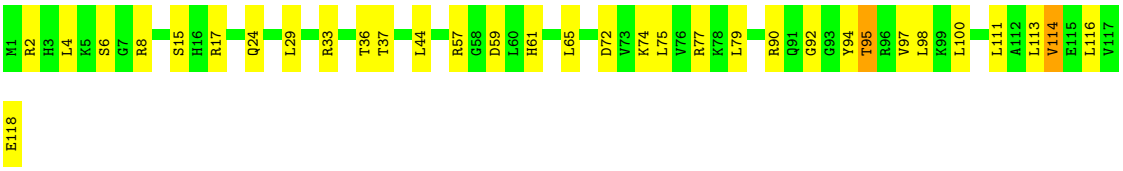
• Molecule 13: 50S ribosomal protein L17

Chain 1R:



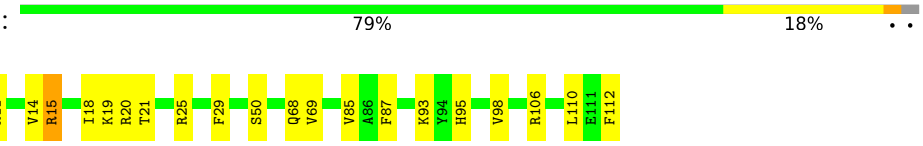
• Molecule 13: 50S ribosomal protein L17

Chain 2R:



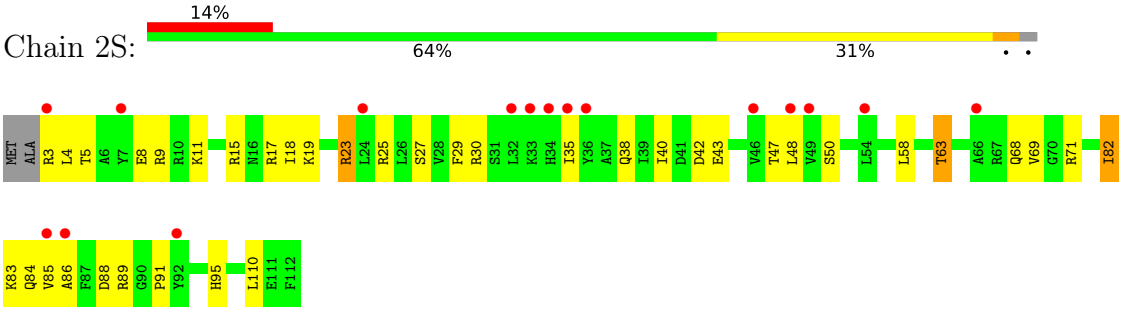
• Molecule 14: 50S ribosomal protein L18

Chain 1S:



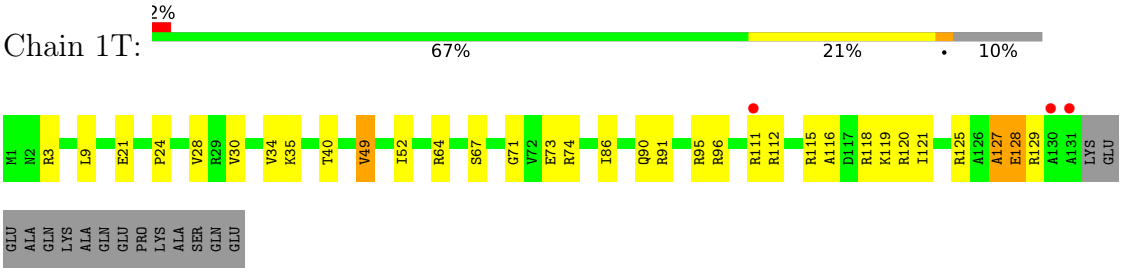
• Molecule 14: 50S ribosomal protein L18

Chain 2S:



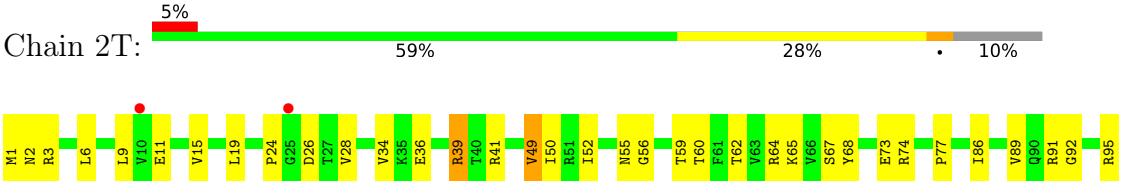
• Molecule 15: 50S ribosomal protein L19

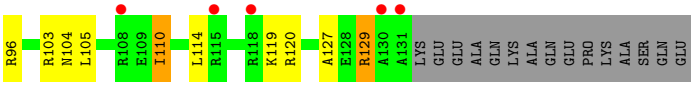
Chain 1T:



• Molecule 15: 50S ribosomal protein L19

Chain 2T:



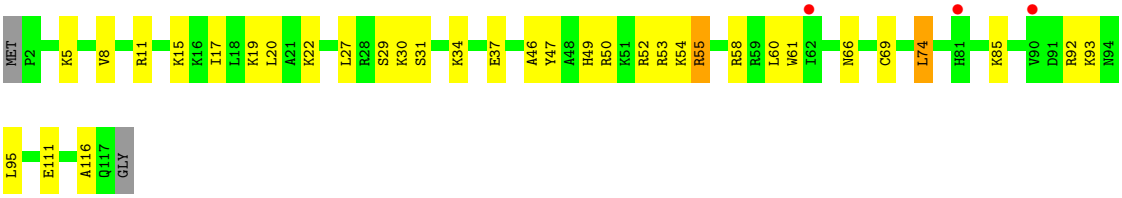


• Molecule 16: 50S ribosomal protein L20

Chain 1U:

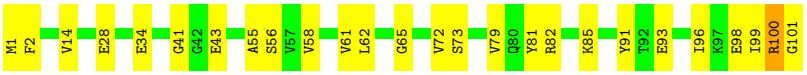
• Molecule 16: 50S ribosomal protein L20

Chain 2U:



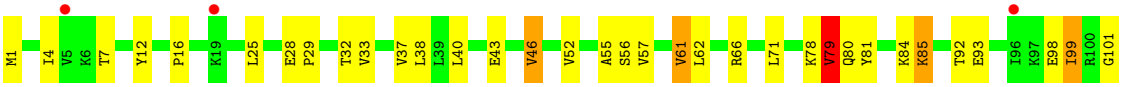
• Molecule 17: 50S ribosomal protein L21

Chain 1V:



• Molecule 17: 50S ribosomal protein L21

Chain 2V:

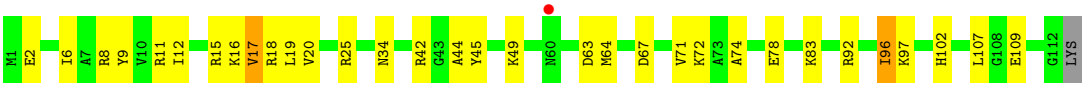


• Molecule 18: 50S ribosomal protein L22

Chain 1W:

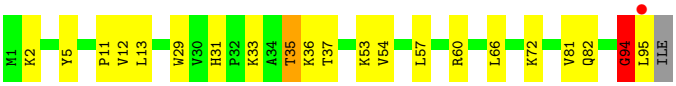
• Molecule 18: 50S ribosomal protein L22

Chain 2W:



• Molecule 19: 50S ribosomal protein L23

Chain 1X:



• Molecule 19: 50S ribosomal protein L23

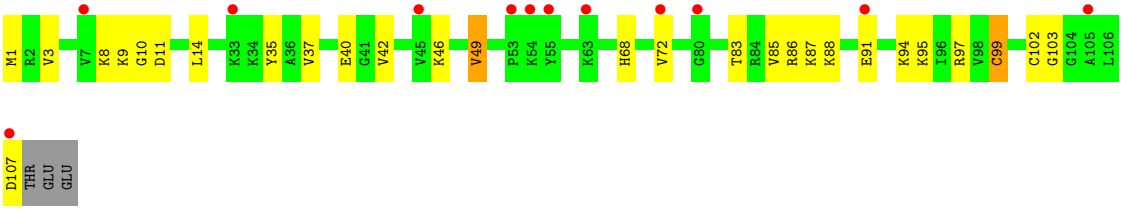
Chain 2X:

• Molecule 20: 50S ribosomal protein L24

Chain 1Y:

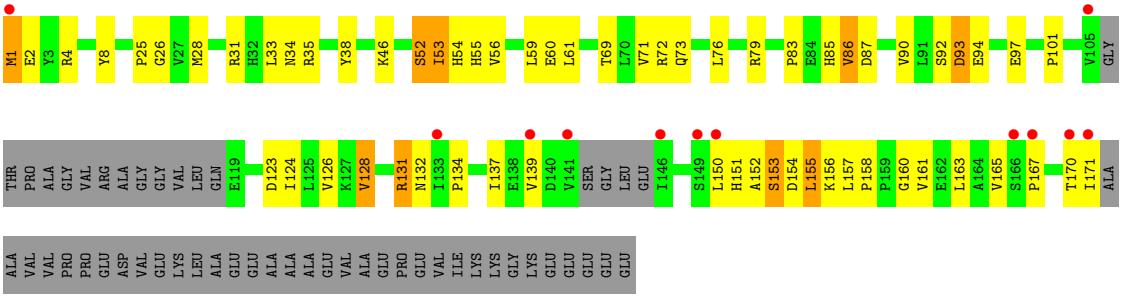
• Molecule 20: 50S ribosomal protein L24

Chain 2Y:



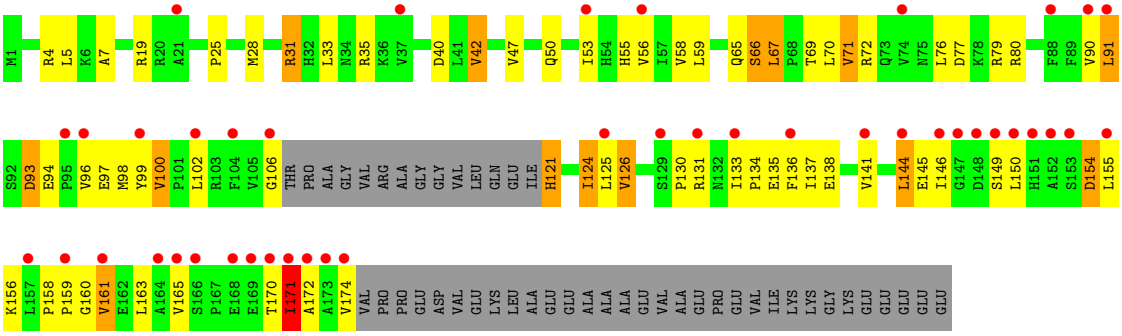
• Molecule 21: 50S ribosomal protein L25

Chain 1Z:

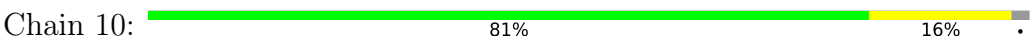


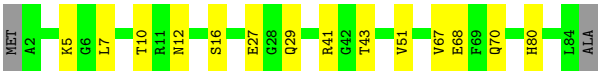
• Molecule 21: 50S ribosomal protein L25

Chain 2Z:

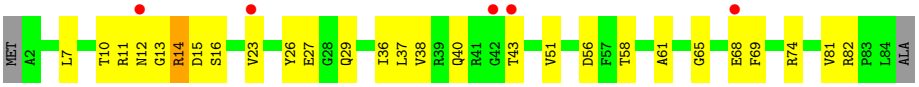


• Molecule 22: 50S ribosomal protein L27

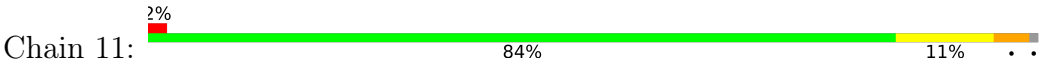


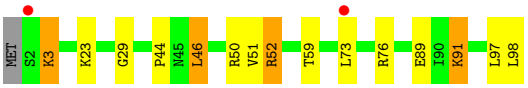


• Molecule 22: 50S ribosomal protein L27

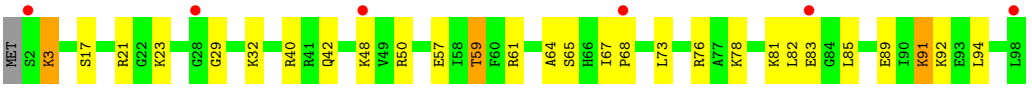


• Molecule 23: 50S ribosomal protein L28

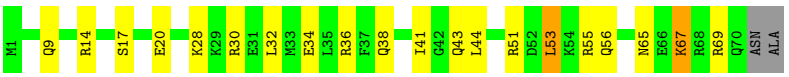




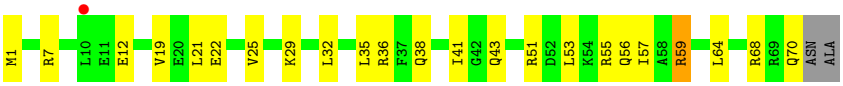
• Molecule 23: 50S ribosomal protein L28



• Molecule 24: 50S ribosomal protein L29



• Molecule 24: 50S ribosomal protein L29



• Molecule 25: 50S ribosomal protein L30

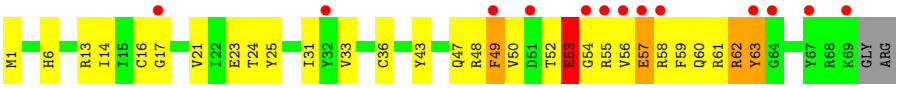
Chain 13:

• Molecule 25: 50S ribosomal protein L30

Chain 23:

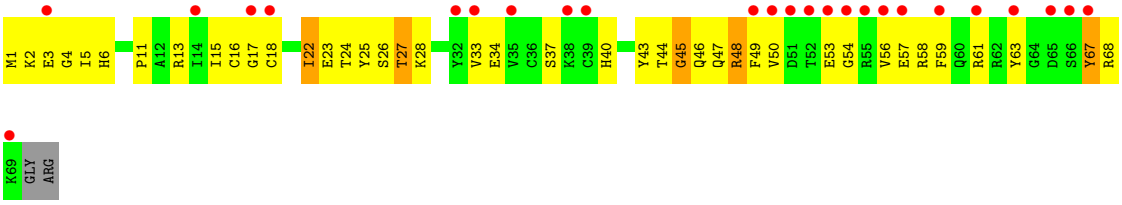
• Molecule 26: 50S ribosomal protein L31

Chain 14:



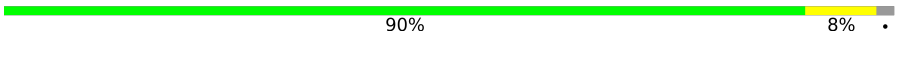
• Molecule 26: 50S ribosomal protein L31

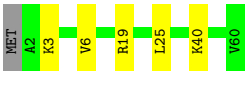
Chain 24:



• Molecule 27: 50S ribosomal protein L32

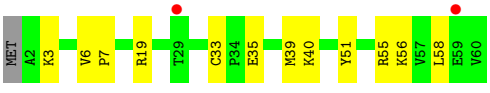
Chain 15:





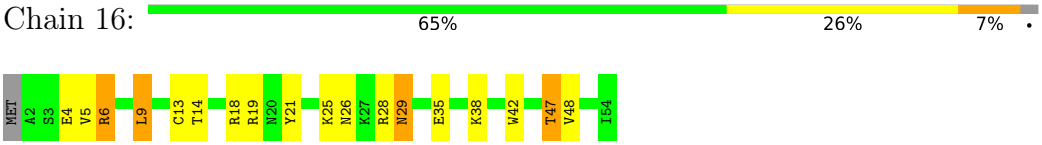
• Molecule 27: 50S ribosomal protein L32

Chain 25:



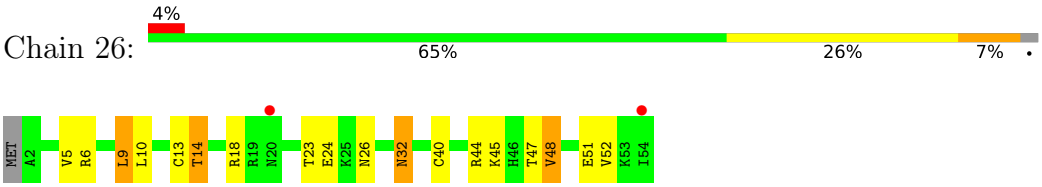
• Molecule 28: 50S ribosomal protein L33

Chain 16:



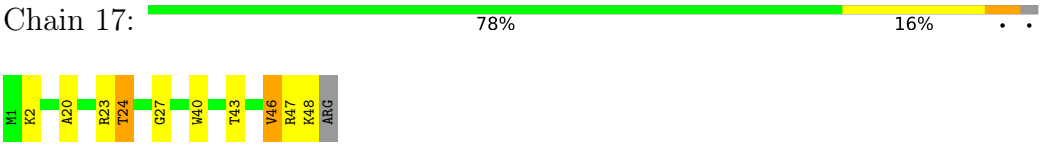
• Molecule 28: 50S ribosomal protein L33

Chain 26:



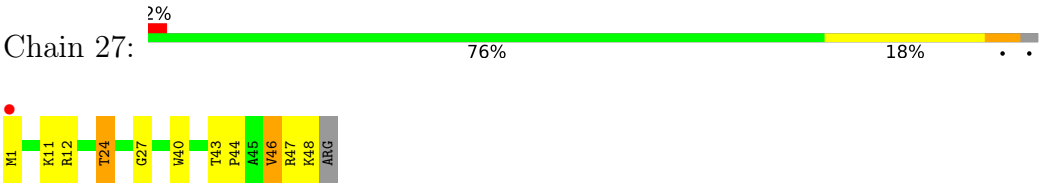
• Molecule 29: 50S ribosomal protein L34

Chain 17:



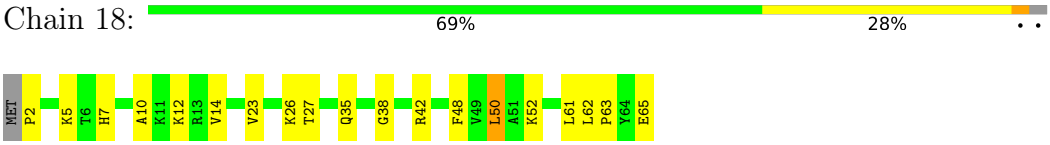
• Molecule 29: 50S ribosomal protein L34

Chain 27:



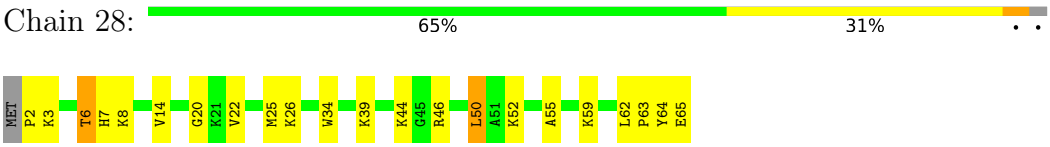
• Molecule 30: 50S ribosomal protein L35

Chain 18:



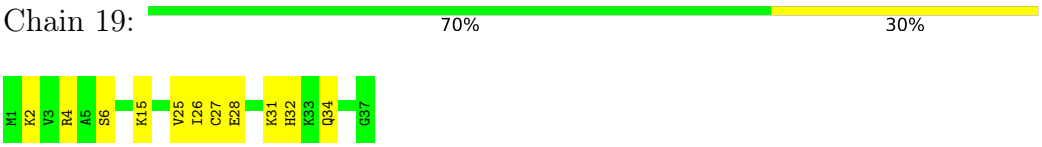
• Molecule 30: 50S ribosomal protein L35

Chain 28:



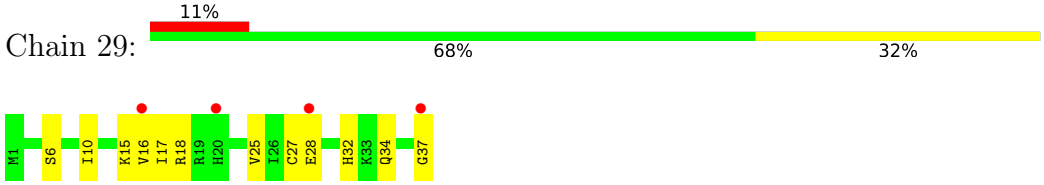
• Molecule 31: 50S ribosomal protein L36

Chain 19:



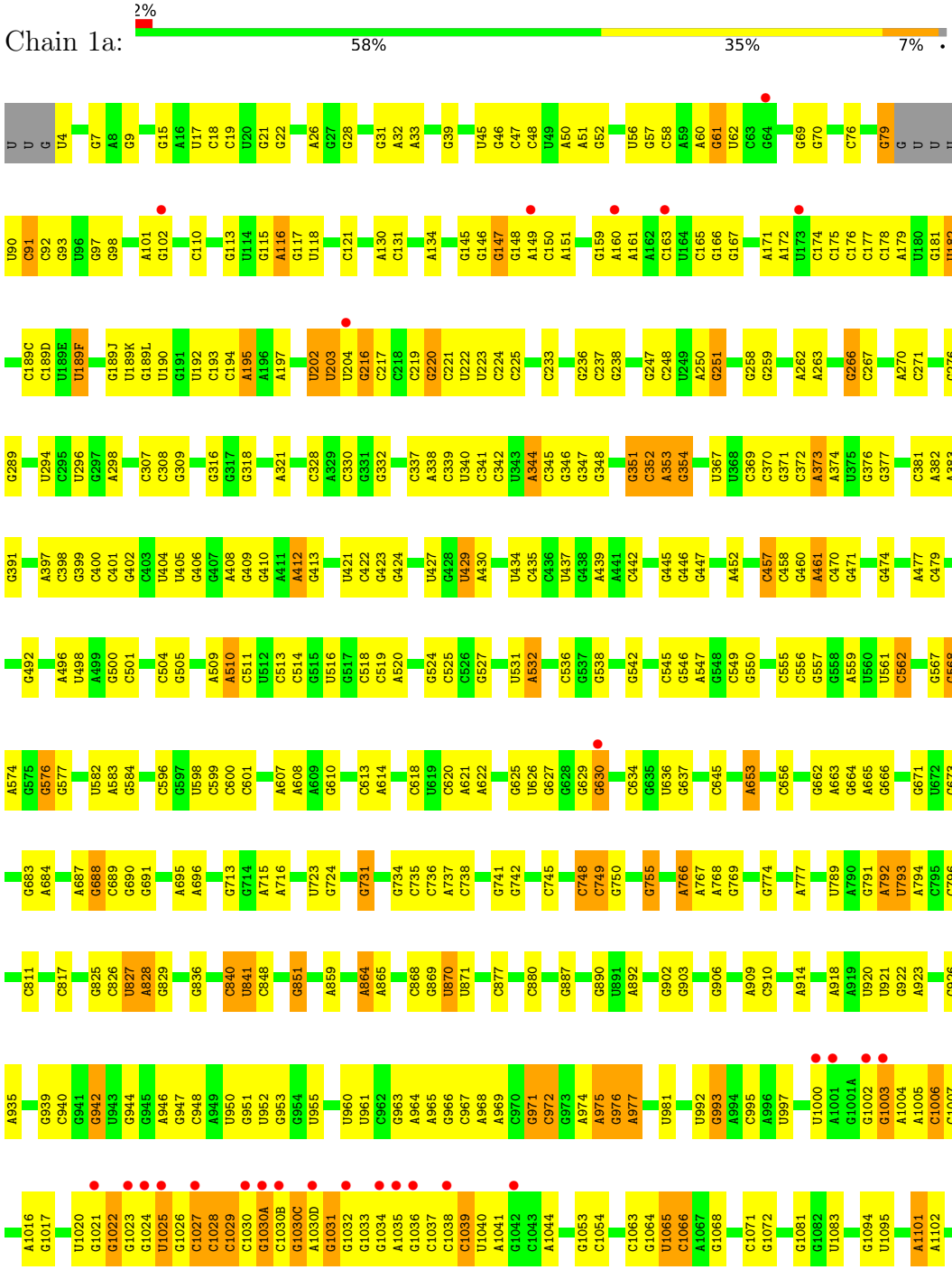
• Molecule 31: 50S ribosomal protein L36

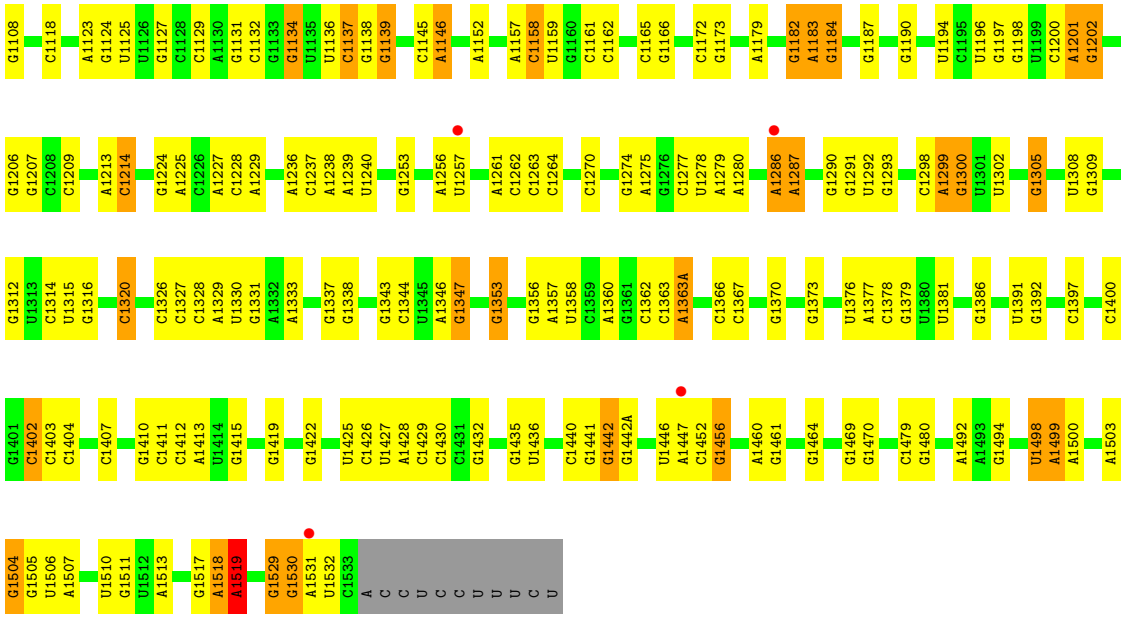
Chain 29:



• Molecule 32: 16S Ribosomal RNA

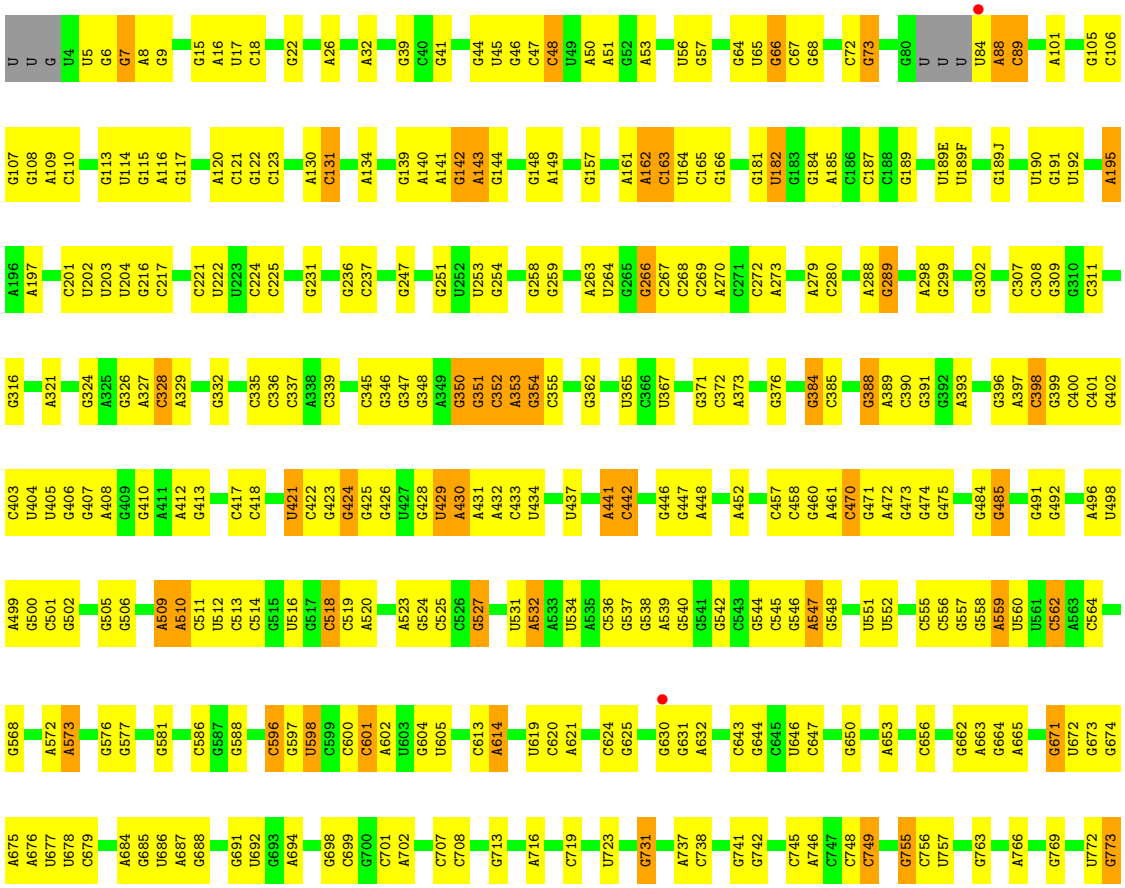
Chain 1a:

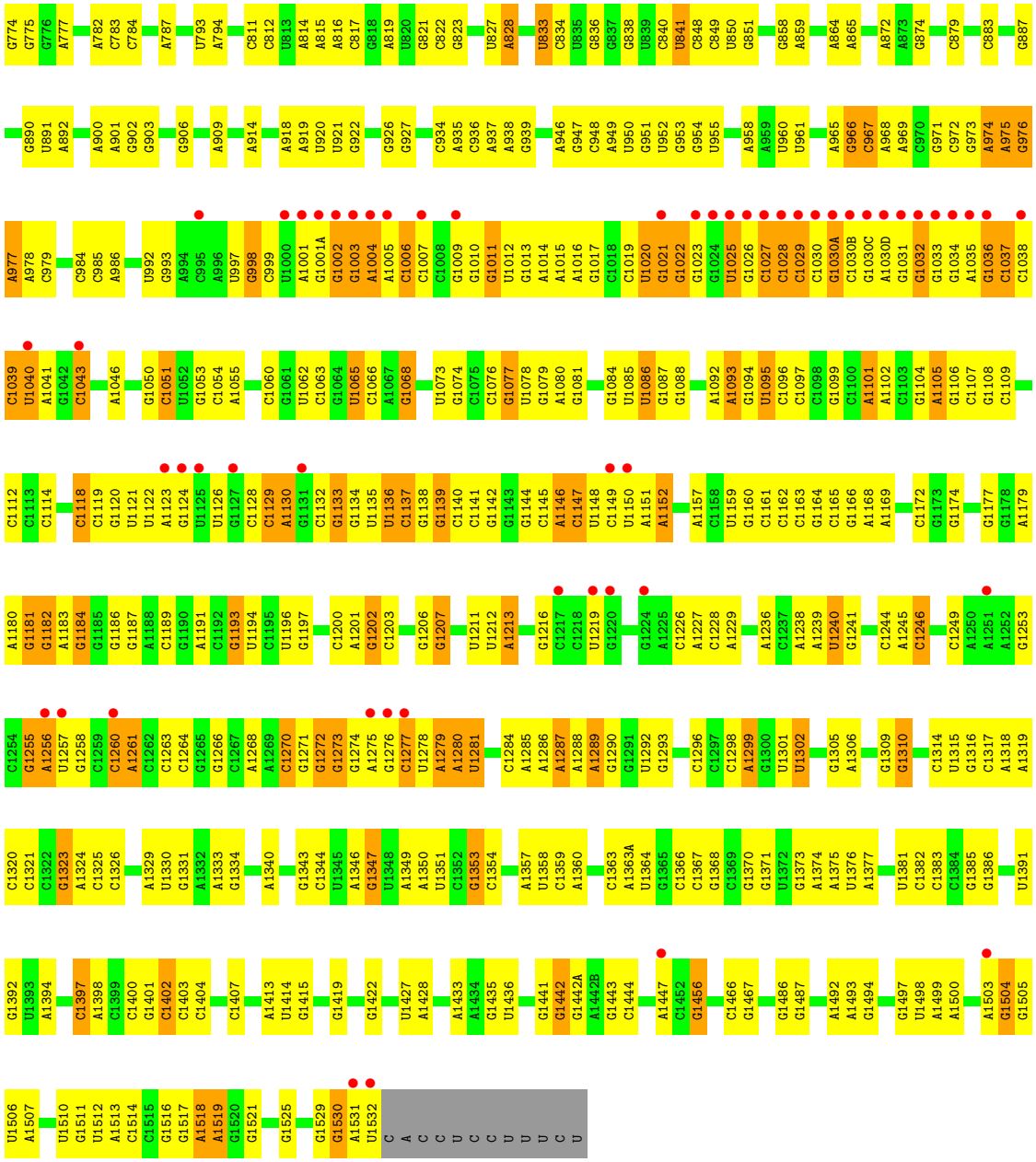




• Molecule 32: 16S Ribosomal RNA

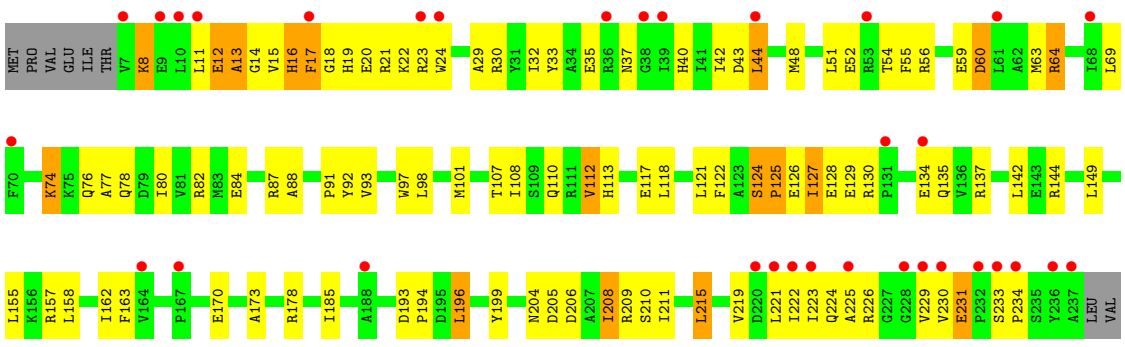
Chain 2a:





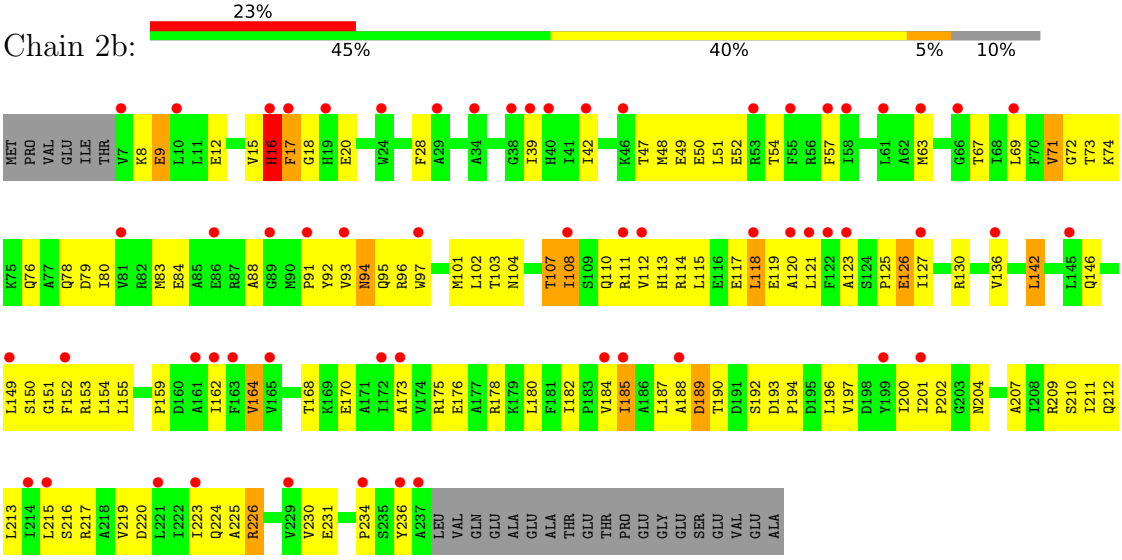
• Molecule 33: 30S ribosomal protein S2

Chain 1b:



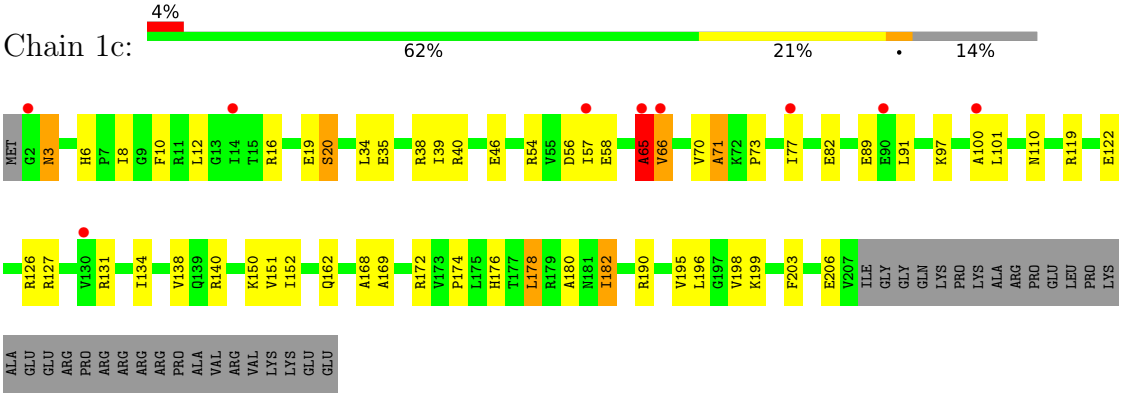
• Molecule 33: 30S ribosomal protein S2

Chain 2b:



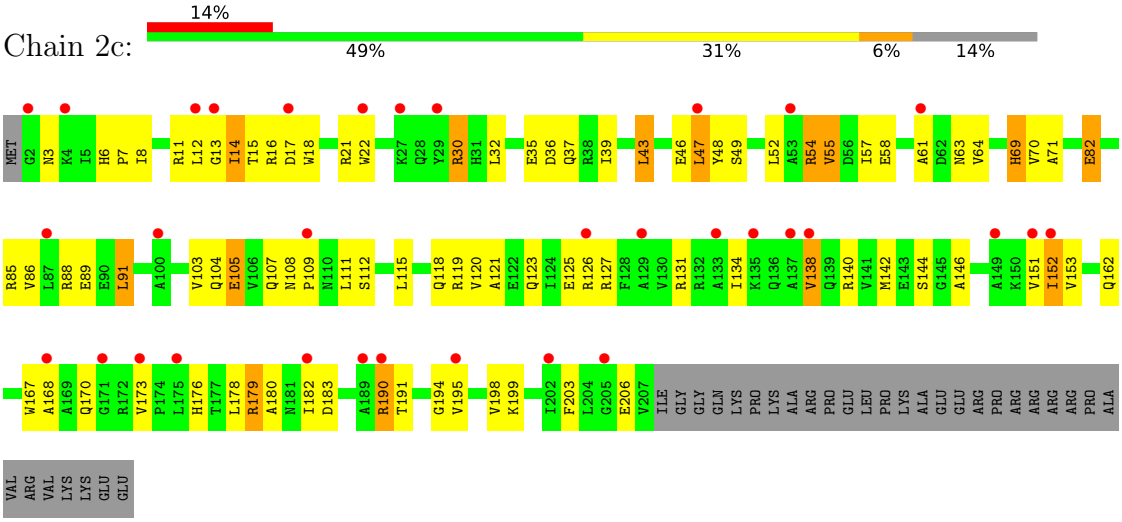
• Molecule 34: 30S ribosomal protein S3

Chain 1c:



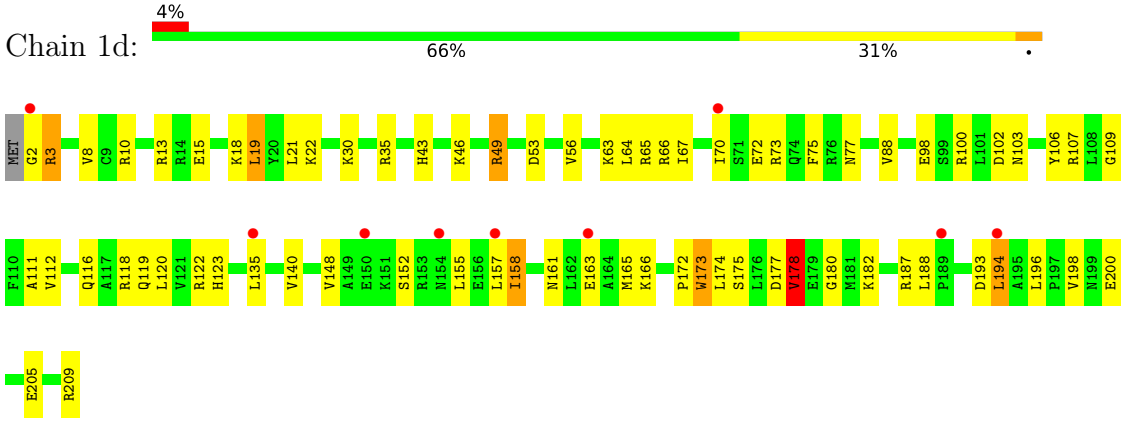
• Molecule 34: 30S ribosomal protein S3

Chain 2c:



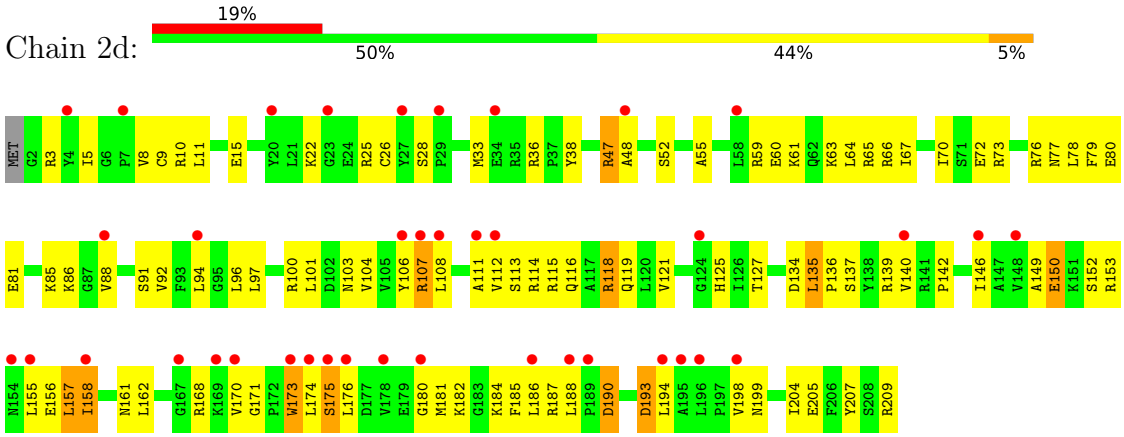
• Molecule 35: 30S ribosomal protein S4

Chain 1d:



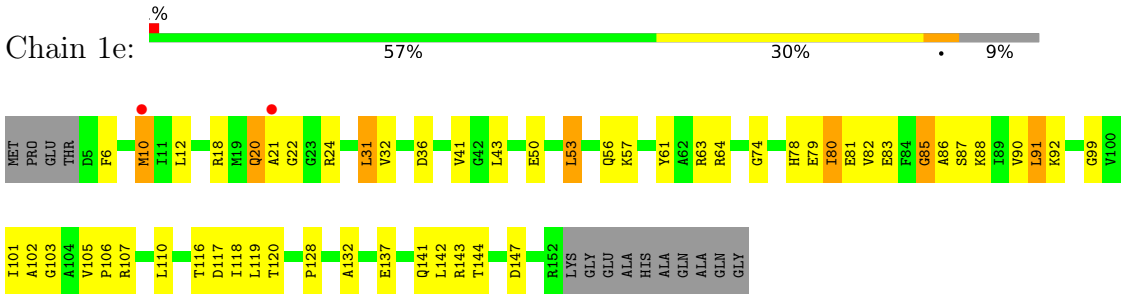
• Molecule 35: 30S ribosomal protein S4

Chain 2d:



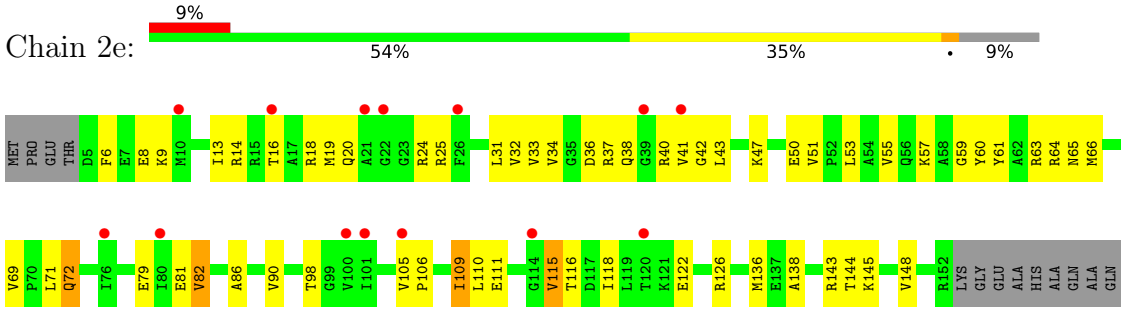
• Molecule 36: 30S ribosomal protein S5

Chain 1e:



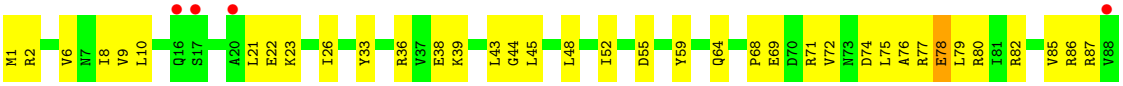
• Molecule 36: 30S ribosomal protein S5

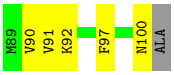
Chain 2e:



• Molecule 37: 30S ribosomal protein S6

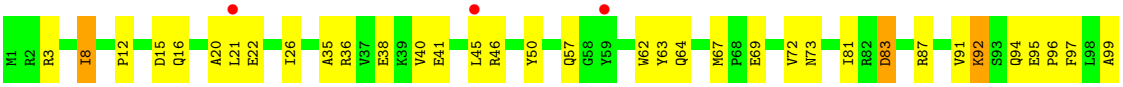
Chain 1f:





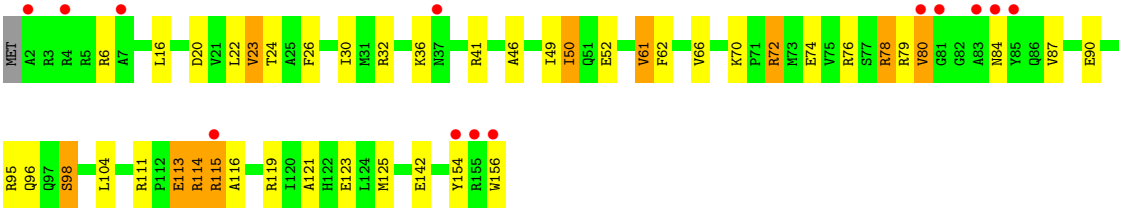
• Molecule 37: 30S ribosomal protein S6

Chain 2f:



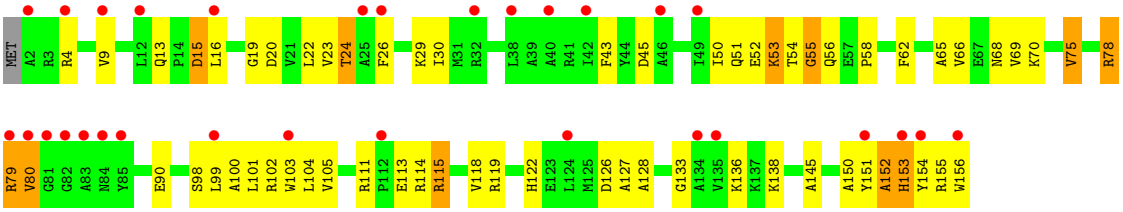
• Molecule 38: 30S ribosomal protein S7

Chain 1g:



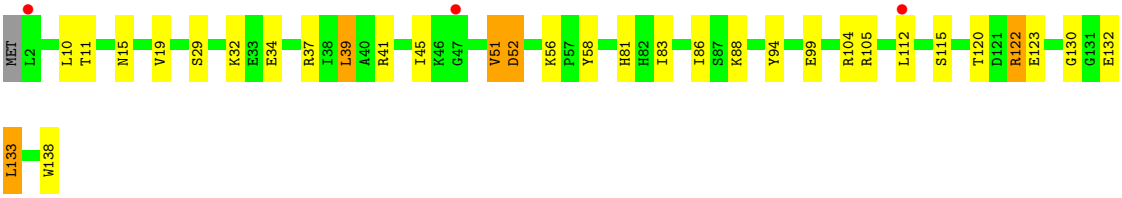
• Molecule 38: 30S ribosomal protein S7

Chain 2g:



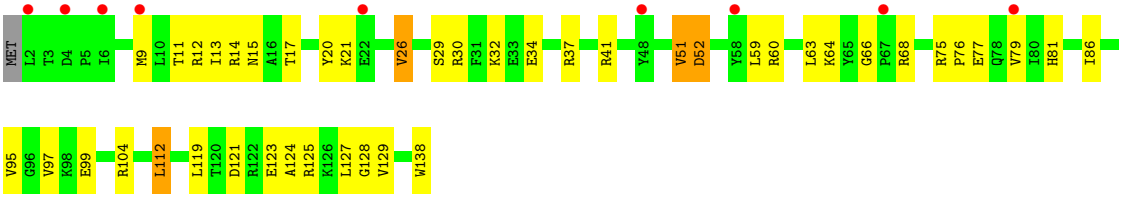
• Molecule 39: 30S ribosomal protein S8

Chain 1h:



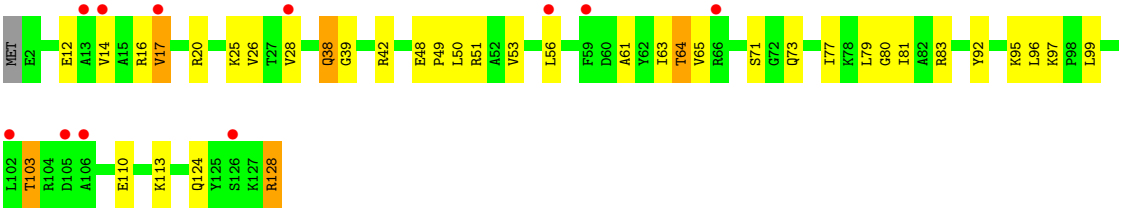
• Molecule 39: 30S ribosomal protein S8

Chain 2h:



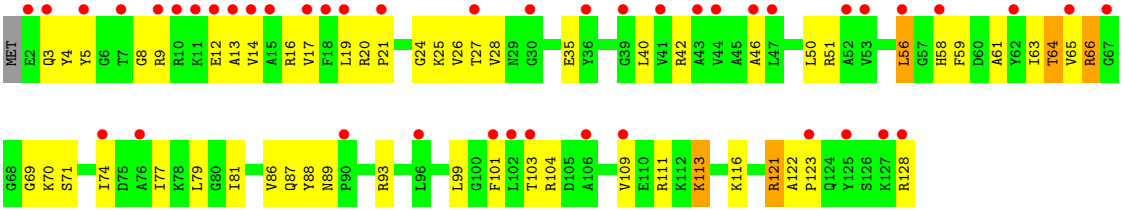
• Molecule 40: 30S ribosomal protein S9

Chain 1i:



• Molecule 40: 30S ribosomal protein S9

Chain 2i:

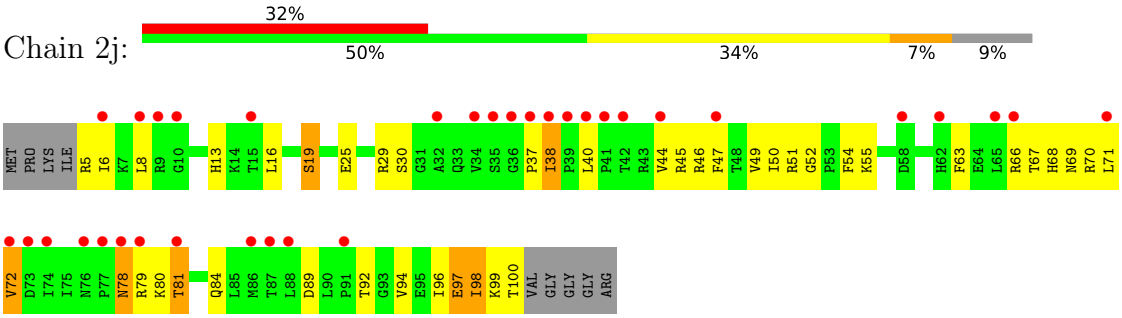


• Molecule 41: 30S ribosomal protein S10

Chain 1j:

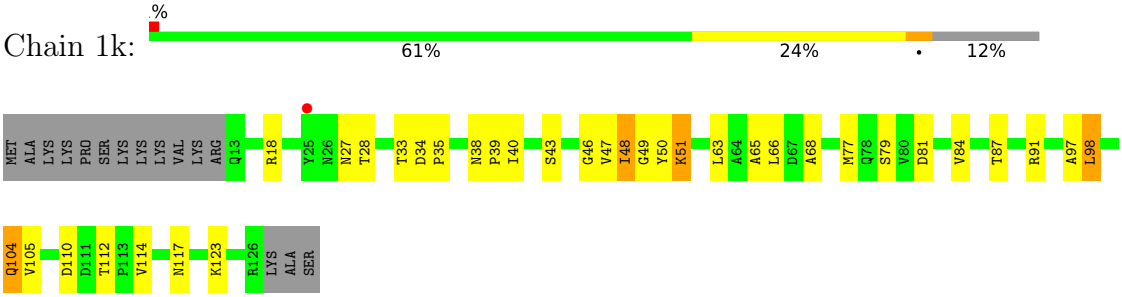
• Molecule 41: 30S ribosomal protein S10

Chain 2j:



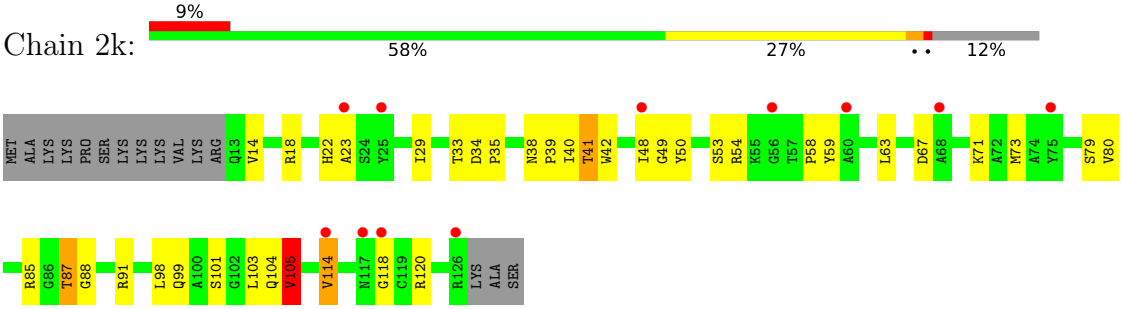
• Molecule 42: 30S ribosomal protein S11

Chain 1k:



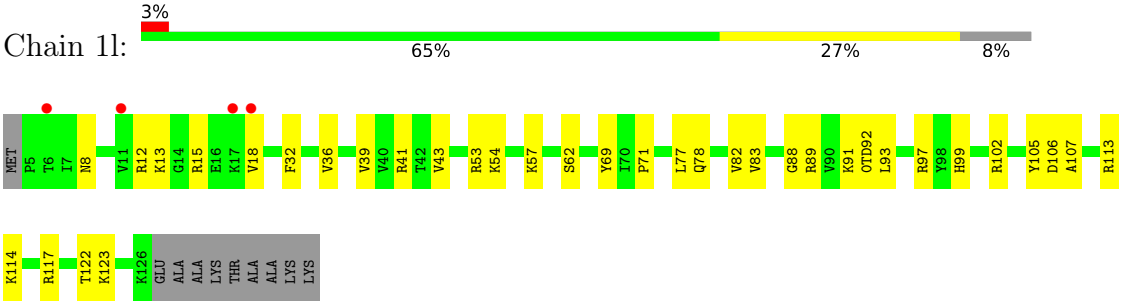
• Molecule 42: 30S ribosomal protein S11

Chain 2k:



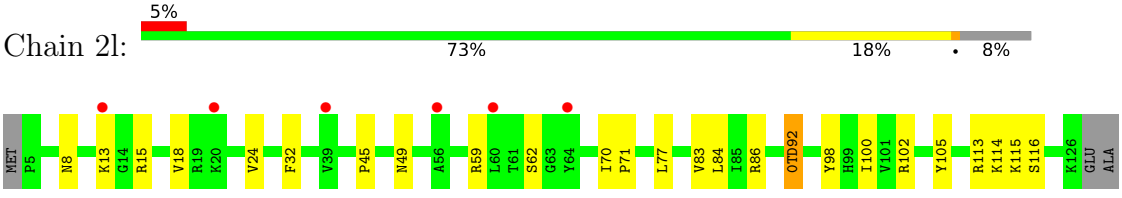
• Molecule 43: 30S ribosomal protein S12

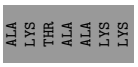
Chain 1l:



• Molecule 43: 30S ribosomal protein S12

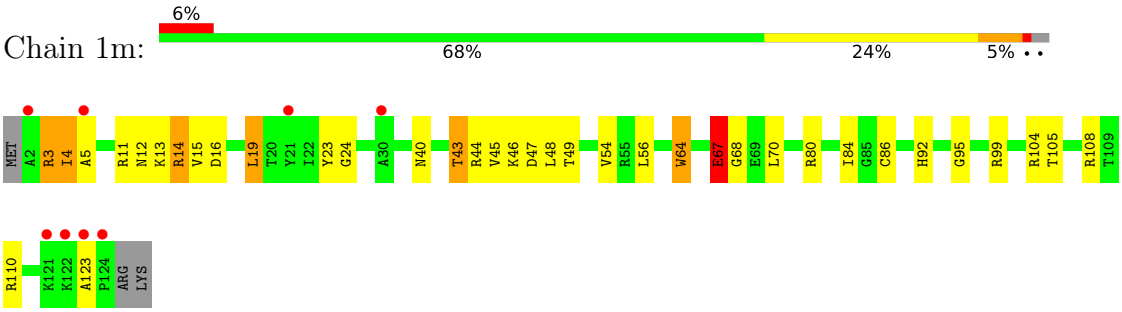
Chain 2l:





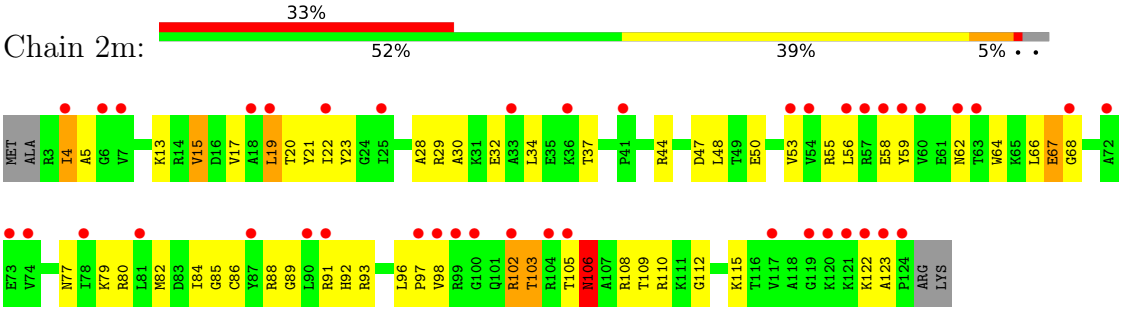
• Molecule 44: 30S ribosomal protein S13

Chain 1m:



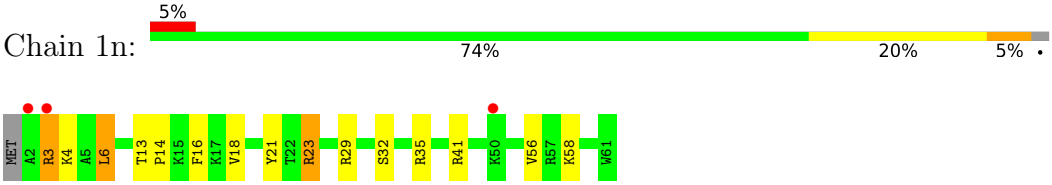
• Molecule 44: 30S ribosomal protein S13

Chain 2m:



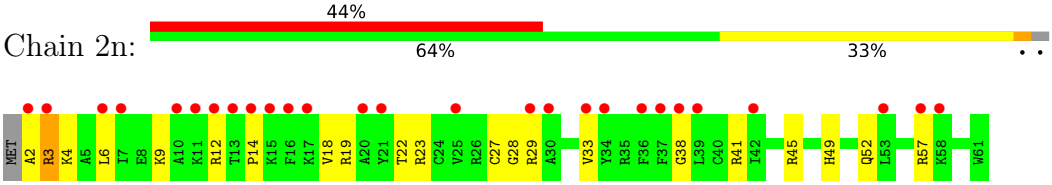
• Molecule 45: 30S ribosomal protein S14 type Z

Chain 1n:



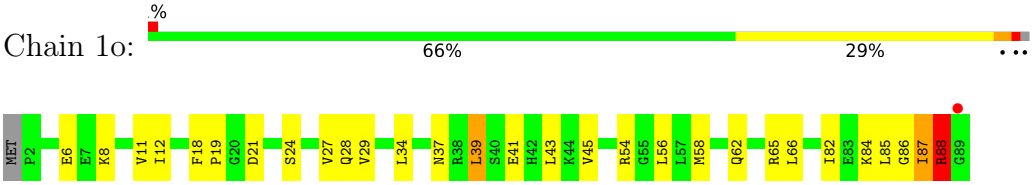
• Molecule 45: 30S ribosomal protein S14 type Z

Chain 2n:



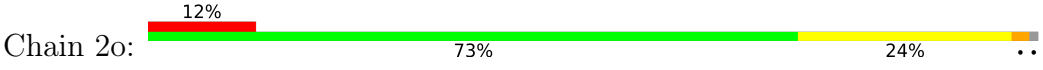
• Molecule 46: 30S ribosomal protein S15

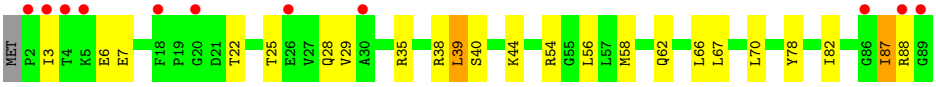
Chain 1o:



• Molecule 46: 30S ribosomal protein S15

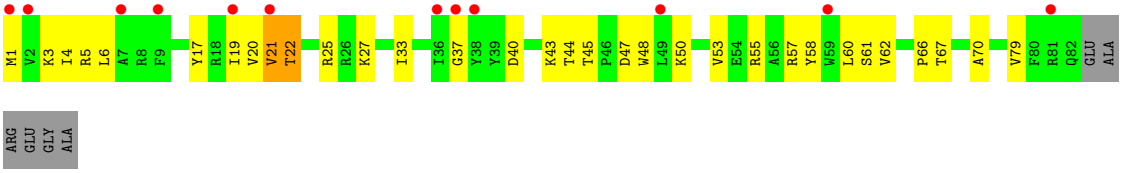
Chain 2o:





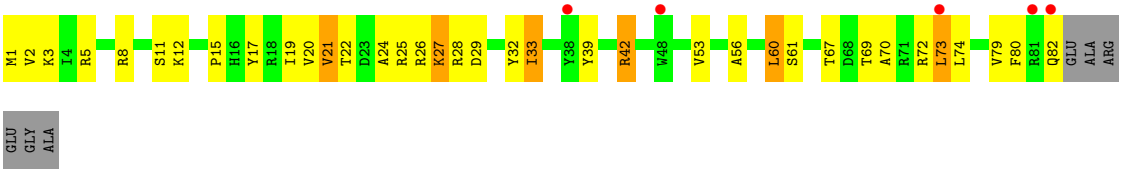
• Molecule 47: 30S ribosomal protein S16

Chain 1p:



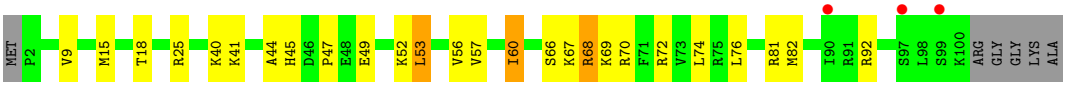
• Molecule 47: 30S ribosomal protein S16

Chain 2p:



• Molecule 48: 30S ribosomal protein S17

Chain 1q:

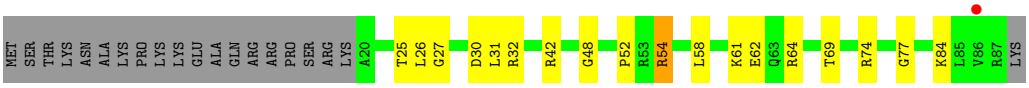


• Molecule 48: 30S ribosomal protein S17

Chain 2q:

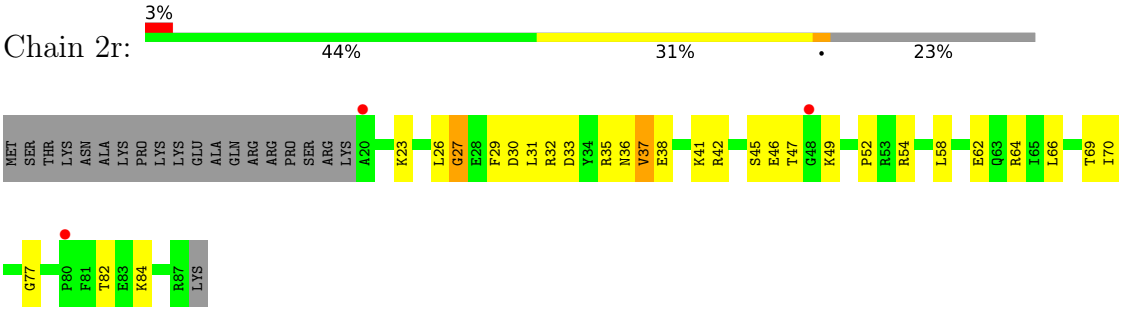
• Molecule 49: 30S ribosomal protein S18

Chain 1r:



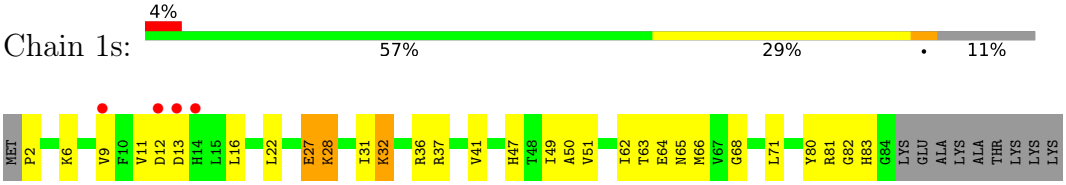
• Molecule 49: 30S ribosomal protein S18

Chain 2r:



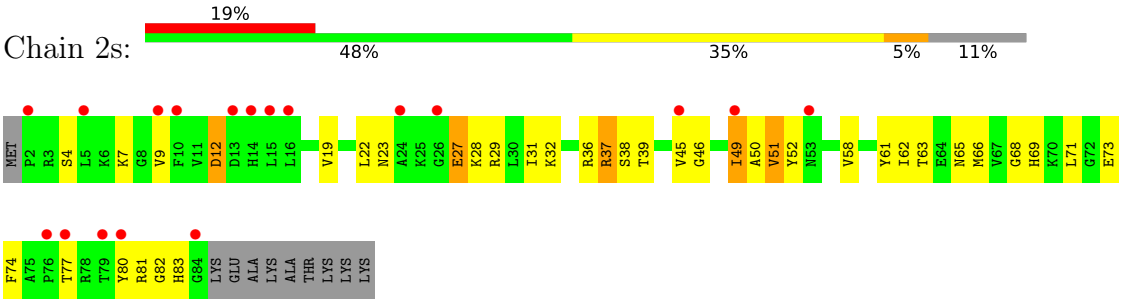
• Molecule 50: 30S ribosomal protein S19

Chain 1s:



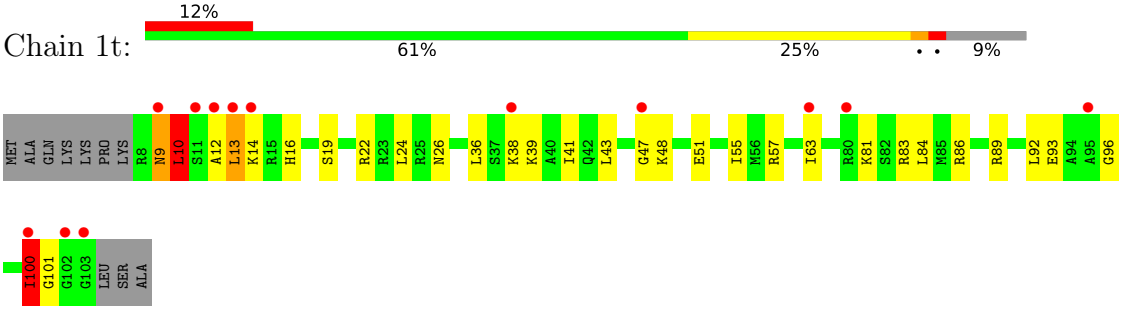
• Molecule 50: 30S ribosomal protein S19

Chain 2s:



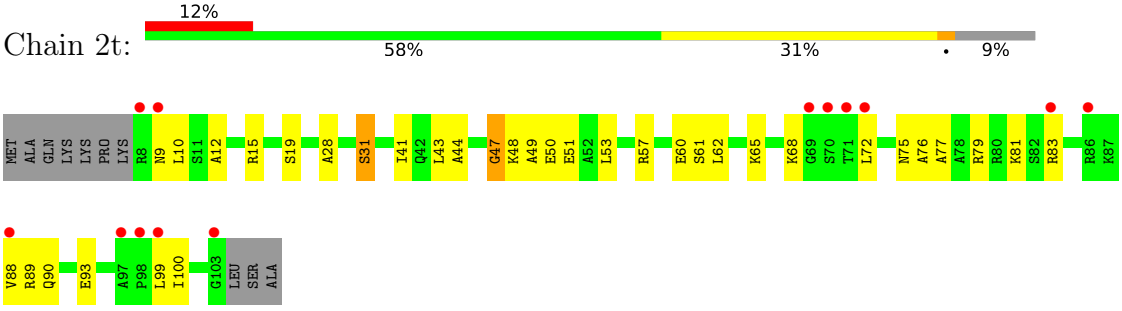
• Molecule 51: 30S ribosomal protein S20

Chain 1t:



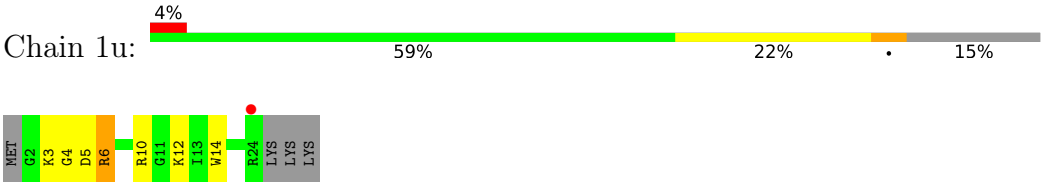
• Molecule 51: 30S ribosomal protein S20

Chain 2t:



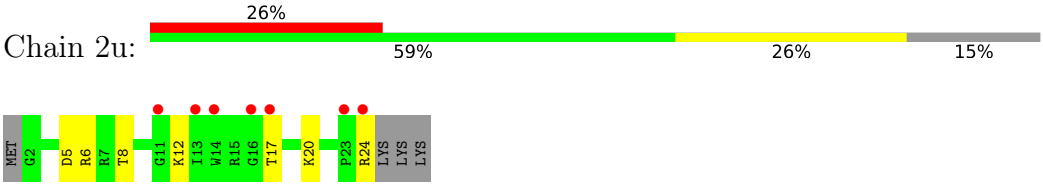
• Molecule 52: 30S ribosomal protein Thx

Chain 1u:



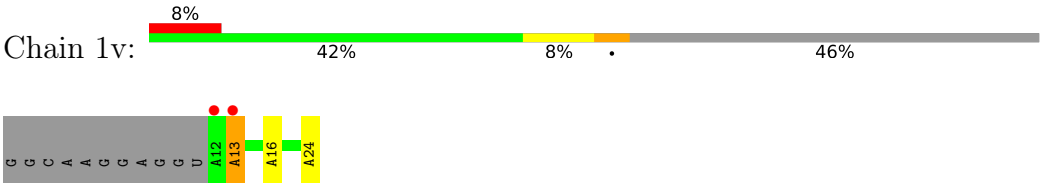
• Molecule 52: 30S ribosomal protein Thx

Chain 2u:



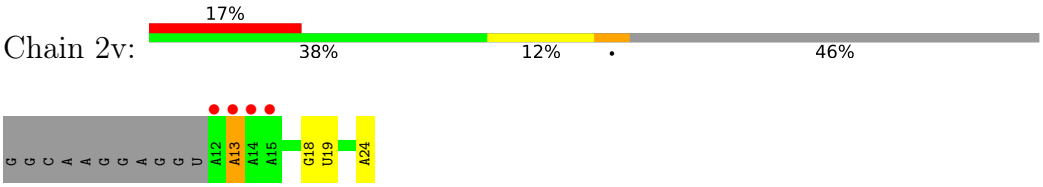
• Molecule 53: mRNA

Chain 1v:



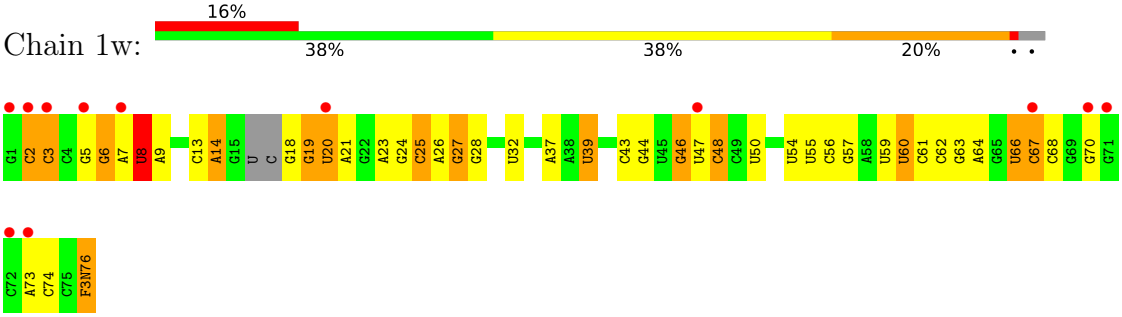
• Molecule 53: mRNA

Chain 2v:



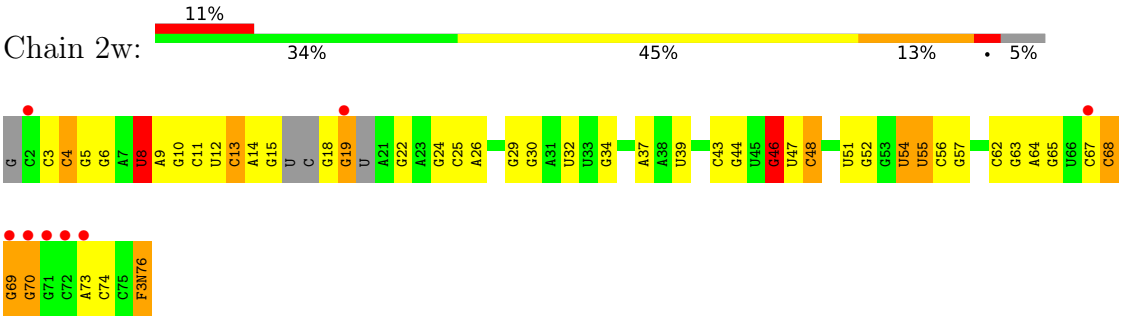
• Molecule 54: A-site tRNA

Chain 1w:



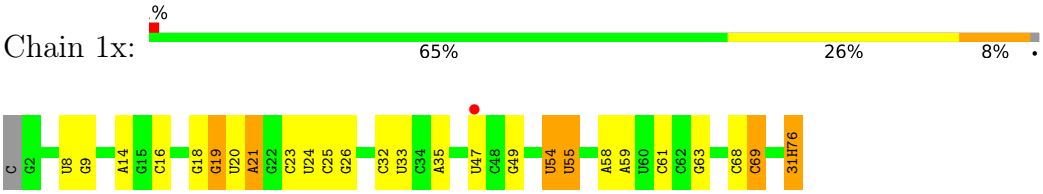
• Molecule 54: A-site tRNA

Chain 2w:



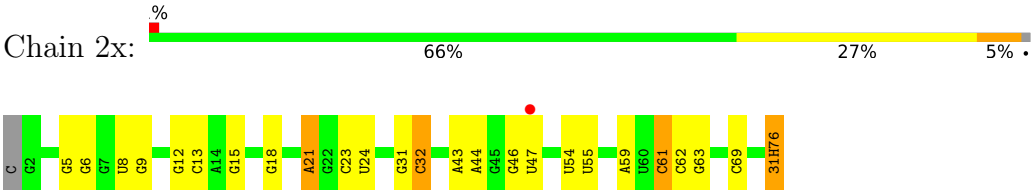
• Molecule 55: P-site tRNA

Chain 1x:



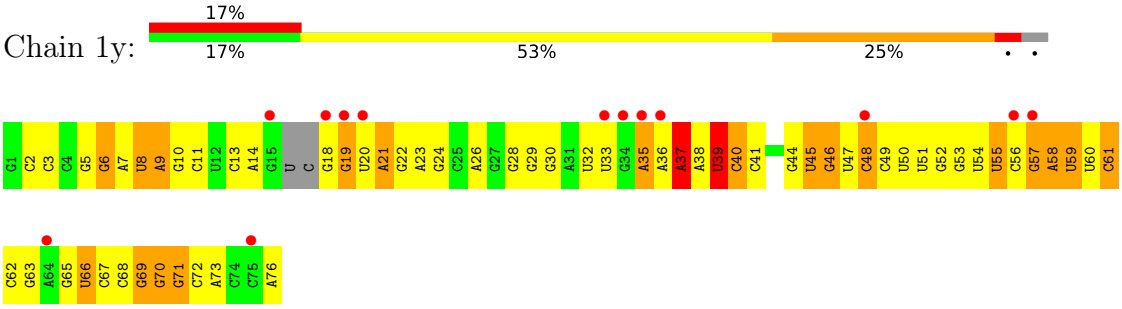
• Molecule 55: P-site tRNA

Chain 2x:



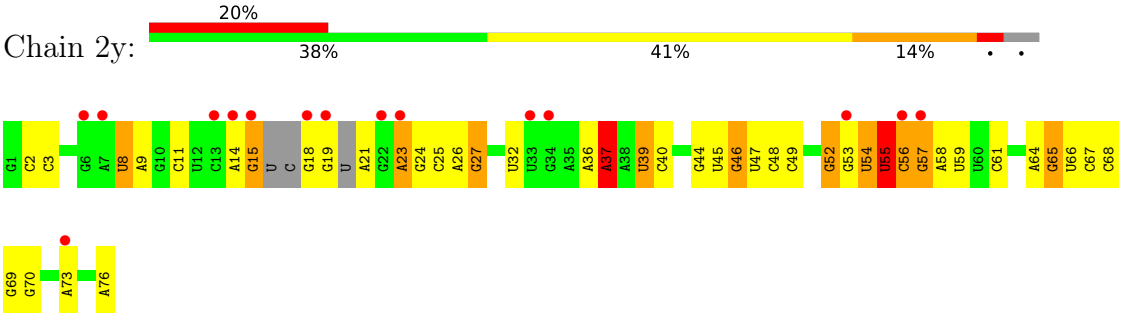
• Molecule 56: E-site tRNA

Chain 1y:



• Molecule 56: E-site tRNA

Chain 2y:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	209.83Å 448.31Å 622.56Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	311.28 – 2.50 311.28 – 2.50	Depositor EDS
% Data completeness (in resolution range)	97.3 (311.28-2.50) 97.3 (311.28-2.50)	Depositor EDS
R_{merge}	0.15	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.21 (at 2.52Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.233 , 0.281 0.234 , 0.282	Depositor DCC
R_{free} test set	97365 reflections (4.88%)	wwPDB-VP
Wilson B-factor (Å^2)	46.8	Xtriage
Anisotropy	0.125	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.33 , 56.1	EDS
L-test for twinning[2]	$< \|L\| > = 0.36$, $< L^2 > = 0.18$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.90	EDS
Total number of atoms	300196	wwPDB-VP
Average B, all atoms (Å^2)	51.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.64% 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: ZN, 31H, 7MG, MA6, 2MU, F3N, MIA, 5MU, 4OC, 0TD, K, 2MA, 4SU, M2G, 5MC, OMG, UR3, 2MG, SF4, PSU, MG

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	0.29	0/69009	0.49	1/107712 (0.0%)
1	2A	0.22	0/67293	0.42	1/105034 (0.0%)
2	1B	0.24	0/2882	0.42	0/4494
2	2B	0.20	0/2879	0.38	0/4487
3	1D	0.29	0/2186	0.52	0/2944
3	2D	0.23	0/2186	0.46	0/2944
4	1E	0.28	0/1592	0.50	0/2149
4	2E	0.22	0/1592	0.44	0/2149
5	1F	0.27	0/1619	0.49	0/2193
5	2F	0.20	0/1615	0.49	2/2188 (0.1%)
6	1G	0.23	0/1448	0.46	0/1957
6	2G	0.21	0/1453	0.47	0/1963
7	1H	0.23	0/1356	0.47	0/1834
7	2H	0.19	0/1356	0.39	0/1834
8	1I	0.20	0/1112	0.43	0/1514
8	2I	0.22	0/1079	0.46	0/1475
9	1N	0.27	0/1144	0.50	0/1543
9	2N	0.19	0/1144	0.41	0/1543
10	1O	0.27	0/943	0.51	0/1269
10	2O	0.22	0/943	0.47	0/1269
11	1P	0.28	0/1152	0.61	2/1533 (0.1%)
11	2P	0.22	0/1152	0.50	0/1533
12	1Q	0.29	0/1143	0.52	0/1527
12	2Q	0.21	0/1143	0.47	0/1527
13	1R	0.30	0/982	0.52	0/1312
13	2R	0.23	0/982	0.45	0/1312
14	1S	0.23	0/883	0.49	0/1176
14	2S	0.22	0/880	0.48	0/1172
15	1T	0.26	0/1105	0.51	0/1477
15	2T	0.22	0/1097	0.47	1/1468 (0.1%)
16	1U	0.29	0/977	0.50	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
16	2U	0.21	0/977	0.43	0/1301
17	1V	0.28	0/782	0.48	0/1049
17	2V	0.20	0/782	0.41	0/1049
18	1W	0.29	0/897	0.48	0/1205
18	2W	0.23	0/897	0.44	0/1205
19	1X	0.29	0/764	0.57	2/1025 (0.2%)
19	2X	0.23	0/764	0.50	2/1025 (0.2%)
20	1Y	0.26	0/819	0.52	0/1095
20	2Y	0.22	0/819	0.46	0/1095
21	1Z	0.25	0/1267	0.52	0/1717
21	2Z	0.22	0/1299	0.47	0/1763
22	10	0.31	0/662	0.60	2/881 (0.2%)
22	20	0.24	0/662	0.51	0/881
23	11	0.27	0/762	0.48	0/1014
23	21	0.22	0/762	0.47	0/1014
24	12	0.25	0/590	0.45	0/781
24	22	0.21	0/590	0.38	0/781
25	13	0.26	0/474	0.48	0/635
25	23	0.19	0/469	0.42	0/630
26	14	0.25	0/565	0.58	0/761
26	24	0.25	0/545	0.52	0/737
27	15	0.30	0/469	0.49	0/635
27	25	0.22	0/469	0.45	0/635
28	16	0.29	0/460	0.48	0/613
28	26	0.22	0/456	0.44	0/608
29	17	0.33	0/426	0.55	0/561
29	27	0.26	0/426	0.44	0/561
30	18	0.28	0/525	0.50	0/691
30	28	0.21	0/525	0.38	0/691
31	19	0.31	0/310	0.55	0/407
31	29	0.20	0/310	0.41	0/407
32	1a	0.22	1/35795 (0.0%)	0.41	1/55864 (0.0%)
32	2a	0.20	0/35886	0.39	0/56005
33	1b	0.23	0/1881	0.53	0/2542
33	2b	0.22	0/1860	0.50	0/2518
34	1c	0.21	0/1572	0.47	2/2126 (0.1%)
34	2c	0.22	0/1566	0.45	1/2119 (0.0%)
35	1d	0.21	0/1685	0.46	0/2262
35	2d	0.21	0/1704	0.45	0/2284
36	1e	0.23	0/1145	0.47	0/1543
36	2e	0.20	0/1149	0.45	0/1548
37	1f	0.22	0/823	0.42	0/1115
37	2f	0.20	0/829	0.43	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
38	1g	0.20	0/1250	0.41	0/1679
38	2g	0.21	0/1254	0.43	0/1683
39	1h	0.20	0/1108	0.41	0/1494
39	2h	0.19	0/1108	0.40	0/1494
40	1i	0.22	0/1002	0.53	0/1346
40	2i	0.22	0/997	0.48	0/1343
41	1j	0.23	0/722	0.47	0/982
41	2j	0.22	0/727	0.45	0/988
42	1k	0.21	0/844	0.44	0/1145
42	2k	0.20	0/848	0.41	0/1149
43	1l	0.22	0/937	0.44	0/1260
43	2l	0.20	0/937	0.42	0/1260
44	1m	0.24	0/969	0.46	0/1302
44	2m	0.23	0/961	0.50	0/1291
45	1n	0.21	0/501	0.43	0/664
45	2n	0.19	0/501	0.42	0/664
46	1o	0.20	0/739	0.44	0/985
46	2o	0.19	0/739	0.38	0/985
47	1p	0.21	0/697	0.46	0/939
47	2p	0.20	0/693	0.46	0/935
48	1q	0.22	0/836	0.44	0/1117
48	2q	0.21	0/836	0.45	0/1117
49	1r	0.24	0/560	0.43	0/746
49	2r	0.18	0/560	0.39	0/746
50	1s	0.23	0/667	0.54	0/900
50	2s	0.25	0/661	0.59	0/893
51	1t	0.22	0/730	0.51	0/965
51	2t	0.23	0/729	0.50	0/965
52	1u	0.20	0/203	0.41	0/266
52	2u	0.22	0/203	0.52	0/266
53	1v	0.25	0/310	0.35	0/480
53	2v	0.20	0/310	0.35	0/480
54	1w	0.27	0/1581	0.45	0/2458
54	2w	0.26	0/1531	0.44	0/2379
55	1x	0.29	0/1700	0.45	0/2650
55	2x	0.26	0/1700	0.41	0/2650
56	1y	0.30	1/1606 (0.1%)	0.45	0/2497
56	2y	0.30	1/1583 (0.1%)	0.45	0/2459
All	All	0.24	3/316586 (0.0%)	0.45	17/473957 (0.0%)

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
56	1y	8	4SU	O3'-P	5.31	1.61	1.56
56	2y	8	4SU	O3'-P	5.22	1.61	1.56
32	1a	1498	UR3	O3'-P	5.13	1.61	1.56

The worst 5 of 17 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1A	1992	G	C2'-C3'-O3'	6.83	119.75	109.50
11	1P	43	GLY	CA-C-N	6.34	133.83	121.41
11	1P	43	GLY	C-N-CA	6.34	133.83	121.41
34	1c	65	ALA	CA-C-N	6.03	132.82	121.97
34	1c	65	ALA	C-N-CA	6.03	132.82	121.97

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31193	616	0
1	2A	60322	0	30421	718	0
2	1B	2577	0	1305	23	0
2	2B	2575	0	1303	35	0
3	1D	2136	0	2218	38	0
3	2D	2136	0	2218	47	0
4	1E	1559	0	1618	40	0
4	2E	1559	0	1618	28	0
5	1F	1584	0	1625	28	0
5	2F	1580	0	1619	51	0
6	1G	1423	0	1436	39	0
6	2G	1428	0	1438	57	0
7	1H	1330	0	1407	21	0
7	2H	1330	0	1407	38	0
8	1I	1097	0	1140	29	0
8	2I	1064	0	1082	41	0
9	1N	1117	0	1184	18	0
9	2N	1117	0	1184	19	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
10	1O	933	0	996	20	0
10	2O	933	0	996	26	0
11	1P	1135	0	1212	31	0
11	2P	1135	0	1212	36	0
12	1Q	1122	0	1179	19	0
12	2Q	1122	0	1179	25	0
13	1R	968	0	1033	18	0
13	2R	968	0	1033	21	0
14	1S	873	0	927	17	0
14	2S	870	0	923	27	0
15	1T	1091	0	1151	23	0
15	2T	1083	0	1136	32	0
16	1U	959	0	1019	18	0
16	2U	959	0	1019	21	0
17	1V	771	0	830	11	0
17	2V	771	0	830	18	0
18	1W	886	0	940	18	0
18	2W	886	0	940	17	0
19	1X	750	0	814	14	0
19	2X	750	0	814	10	0
20	1Y	806	0	881	17	0
20	2Y	806	0	881	15	0
21	1Z	1240	0	1240	40	0
21	2Z	1271	0	1273	43	0
22	10	653	0	674	11	0
22	20	653	0	674	24	0
23	11	755	0	826	8	0
23	21	755	0	826	18	0
24	12	588	0	643	14	0
24	22	588	0	643	18	0
25	13	469	0	518	12	0
25	23	464	0	514	10	0
26	14	552	0	533	26	0
26	24	532	0	503	31	0
27	15	455	0	465	4	0
27	25	455	0	465	10	0
28	16	453	0	473	11	0
28	26	449	0	469	11	0
29	17	418	0	467	8	0
29	27	418	0	467	9	0
30	18	517	0	582	14	0
30	28	517	0	582	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
31	19	307	0	335	7	0
31	29	307	0	335	8	0
32	1a	32246	0	16296	391	0
32	2a	32327	0	16339	515	0
33	1b	1846	0	1867	68	0
33	2b	1825	0	1828	70	0
34	1c	1548	0	1535	33	0
34	2c	1542	0	1517	62	0
35	1d	1655	0	1672	46	0
35	2d	1674	0	1714	73	0
36	1e	1129	0	1185	41	0
36	2e	1133	0	1191	36	0
37	1f	810	0	804	25	0
37	2f	816	0	808	25	0
38	1g	1231	0	1238	35	0
38	2g	1235	0	1249	49	0
39	1h	1088	0	1126	23	0
39	2h	1088	0	1126	29	0
40	1i	983	0	986	26	0
40	2i	978	0	966	38	0
41	1j	709	0	650	20	0
41	2j	714	0	672	34	0
42	1k	829	0	825	20	0
42	2k	833	0	836	28	0
43	1l	932	0	981	16	0
43	2l	932	0	981	14	0
44	1m	958	0	1002	25	0
44	2m	950	0	988	50	0
45	1n	492	0	529	11	0
45	2n	492	0	529	20	0
46	1o	728	0	760	16	0
46	2o	728	0	760	15	0
47	1p	681	0	697	19	0
47	2p	677	0	686	24	0
48	1q	823	0	891	22	0
48	2q	823	0	891	19	0
49	1r	555	0	618	12	0
49	2r	555	0	618	19	0
50	1s	652	0	662	23	0
50	2s	646	0	644	33	0
51	1t	728	0	798	22	0
51	2t	727	0	796	25	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
52	1u	199	0	208	6	0
52	2u	199	0	208	4	0
53	1v	277	0	140	4	0
53	2v	277	0	140	4	0
54	1w	1603	0	829	25	0
54	2w	1555	0	798	32	0
55	1x	1635	0	838	14	0
55	2x	1635	0	838	10	0
56	1y	1585	0	804	32	0
56	2y	1565	0	795	32	0
57	1A	1297	0	0	0	0
57	1a	255	0	0	0	0
57	2A	963	0	0	0	0
57	2a	281	0	0	0	0
58	1A	1	0	0	0	0
58	2A	1	0	0	0	0
59	14	1	0	0	0	0
59	15	1	0	0	0	0
59	16	1	0	0	0	0
59	19	1	0	0	0	0
59	1Y	1	0	0	0	0
59	1n	1	0	0	0	0
59	24	1	0	0	0	0
59	25	1	0	0	0	0
59	26	1	0	0	0	0
59	29	1	0	0	0	0
59	2Y	1	0	0	0	0
59	2n	1	0	0	0	0
60	1d	8	0	0	1	0
60	2d	8	0	0	1	0
61	1A	2319	0	0	119	0
61	1a	422	0	0	30	0
61	2A	1298	0	0	99	0
61	2a	304	0	0	24	0
All	All	300196	0	196727	4309	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 9.

The worst 5 of 4309 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	1.24	1.34
1:2A:2138:C:N4	1:2A:2153:G:H1	1.45	1.12
1:1A:1082:U:O4	1:1A:1086:A:N1	1.88	1.06
29:27:24:THR:HG22	29:27:27:GLY:H	1.24	1.02
5:1F:53:THR:HG22	5:1F:55:GLY:H	1.23	1.01

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%)	254 (93%)	19 (7%)	0	100 100
3	2D	273/276 (99%)	256 (94%)	17 (6%)	0	100 100
4	1E	202/206 (98%)	184 (91%)	17 (8%)	1 (0%)	24 43
4	2E	202/206 (98%)	187 (93%)	13 (6%)	2 (1%)	12 24
5	1F	201/210 (96%)	195 (97%)	5 (2%)	1 (0%)	24 43
5	2F	201/210 (96%)	177 (88%)	22 (11%)	2 (1%)	12 24
6	1G	179/182 (98%)	163 (91%)	15 (8%)	1 (1%)	21 38
6	2G	179/182 (98%)	156 (87%)	17 (10%)	6 (3%)	3 4
7	1H	172/180 (96%)	157 (91%)	14 (8%)	1 (1%)	21 38
7	2H	172/180 (96%)	153 (89%)	17 (10%)	2 (1%)	10 20
8	1I	144/148 (97%)	127 (88%)	16 (11%)	1 (1%)	18 34
8	2I	144/148 (97%)	116 (81%)	23 (16%)	5 (4%)	3 4
9	1N	138/140 (99%)	130 (94%)	8 (6%)	0	100 100
9	2N	138/140 (99%)	126 (91%)	11 (8%)	1 (1%)	18 34
10	1O	120/122 (98%)	110 (92%)	10 (8%)	0	100 100
10	2O	120/122 (98%)	109 (91%)	10 (8%)	1 (1%)	16 31

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	1P	147/150 (98%)	130 (88%)	14 (10%)	3 (2%)	6 10
11	2P	147/150 (98%)	129 (88%)	15 (10%)	3 (2%)	6 10
12	1Q	139/141 (99%)	127 (91%)	12 (9%)	0	100 100
12	2Q	139/141 (99%)	123 (88%)	16 (12%)	0	100 100
13	1R	116/118 (98%)	108 (93%)	7 (6%)	1 (1%)	14 27
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100 100
14	1S	108/112 (96%)	105 (97%)	3 (3%)	0	100 100
14	2S	108/112 (96%)	101 (94%)	6 (6%)	1 (1%)	14 27
15	1T	129/146 (88%)	119 (92%)	8 (6%)	2 (2%)	7 14
15	2T	129/146 (88%)	120 (93%)	9 (7%)	0	100 100
16	1U	114/118 (97%)	111 (97%)	3 (3%)	0	100 100
16	2U	114/118 (97%)	109 (96%)	5 (4%)	0	100 100
17	1V	99/101 (98%)	91 (92%)	6 (6%)	2 (2%)	6 10
17	2V	99/101 (98%)	93 (94%)	5 (5%)	1 (1%)	12 24
18	1W	110/113 (97%)	108 (98%)	2 (2%)	0	100 100
18	2W	110/113 (97%)	107 (97%)	3 (3%)	0	100 100
19	1X	93/96 (97%)	89 (96%)	2 (2%)	2 (2%)	5 9
19	2X	93/96 (97%)	85 (91%)	7 (8%)	1 (1%)	11 22
20	1Y	105/110 (96%)	99 (94%)	4 (4%)	2 (2%)	6 11
20	2Y	105/110 (96%)	98 (93%)	7 (7%)	0	100 100
21	1Z	148/206 (72%)	130 (88%)	14 (10%)	4 (3%)	4 6
21	2Z	156/206 (76%)	128 (82%)	25 (16%)	3 (2%)	6 11
22	10	81/85 (95%)	78 (96%)	3 (4%)	0	100 100
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	10 20
23	11	95/98 (97%)	93 (98%)	1 (1%)	1 (1%)	11 22
23	21	95/98 (97%)	91 (96%)	3 (3%)	1 (1%)	11 22
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100 100
24	22	68/72 (94%)	66 (97%)	2 (3%)	0	100 100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100 100
25	23	57/60 (95%)	54 (95%)	2 (4%)	1 (2%)	6 12
26	14	67/71 (94%)	51 (76%)	11 (16%)	5 (8%)	1 0

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
26	24	67/71 (94%)	43 (64%)	20 (30%)	4 (6%)	1 1
27	15	57/60 (95%)	55 (96%)	2 (4%)	0	100 100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100 100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100 100
28	26	51/54 (94%)	47 (92%)	4 (8%)	0	100 100
29	17	46/49 (94%)	45 (98%)	1 (2%)	0	100 100
29	27	46/49 (94%)	46 (100%)	0	0	100 100
30	18	62/65 (95%)	62 (100%)	0	0	100 100
30	28	62/65 (95%)	61 (98%)	1 (2%)	0	100 100
31	19	35/37 (95%)	35 (100%)	0	0	100 100
31	29	35/37 (95%)	35 (100%)	0	0	100 100
33	1b	229/256 (90%)	193 (84%)	27 (12%)	9 (4%)	2 3
33	2b	229/256 (90%)	184 (80%)	35 (15%)	10 (4%)	2 2
34	1c	204/239 (85%)	188 (92%)	13 (6%)	3 (2%)	8 16
34	2c	204/239 (85%)	177 (87%)	24 (12%)	3 (2%)	8 16
35	1d	206/209 (99%)	193 (94%)	10 (5%)	3 (2%)	8 16
35	2d	206/209 (99%)	182 (88%)	19 (9%)	5 (2%)	4 8
36	1e	146/162 (90%)	134 (92%)	10 (7%)	2 (1%)	9 17
36	2e	146/162 (90%)	130 (89%)	15 (10%)	1 (1%)	18 34
37	1f	98/101 (97%)	89 (91%)	9 (9%)	0	100 100
37	2f	98/101 (97%)	92 (94%)	6 (6%)	0	100 100
38	1g	153/156 (98%)	137 (90%)	14 (9%)	2 (1%)	9 18
38	2g	153/156 (98%)	134 (88%)	15 (10%)	4 (3%)	4 7
39	1h	135/138 (98%)	128 (95%)	7 (5%)	0	100 100
39	2h	135/138 (98%)	124 (92%)	11 (8%)	0	100 100
40	1i	125/128 (98%)	106 (85%)	19 (15%)	0	100 100
40	2i	125/128 (98%)	104 (83%)	19 (15%)	2 (2%)	7 14
41	1j	95/105 (90%)	81 (85%)	11 (12%)	3 (3%)	3 4
41	2j	94/105 (90%)	78 (83%)	14 (15%)	2 (2%)	5 9
42	1k	112/129 (87%)	98 (88%)	11 (10%)	3 (3%)	4 6
42	2k	112/129 (87%)	101 (90%)	9 (8%)	2 (2%)	6 12

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
43	1l	119/132 (90%)	112 (94%)	6 (5%)	1 (1%)	16 31
43	2l	119/132 (90%)	112 (94%)	6 (5%)	1 (1%)	16 31
44	1m	121/126 (96%)	107 (88%)	12 (10%)	2 (2%)	7 13
44	2m	120/126 (95%)	104 (87%)	14 (12%)	2 (2%)	7 13
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100 100
45	2n	58/61 (95%)	53 (91%)	5 (9%)	0	100 100
46	1o	86/89 (97%)	78 (91%)	5 (6%)	3 (4%)	3 4
46	2o	86/89 (97%)	80 (93%)	5 (6%)	1 (1%)	10 20
47	1p	80/88 (91%)	76 (95%)	4 (5%)	0	100 100
47	2p	80/88 (91%)	75 (94%)	5 (6%)	0	100 100
48	1q	97/105 (92%)	85 (88%)	10 (10%)	2 (2%)	5 9
48	2q	97/105 (92%)	86 (89%)	10 (10%)	1 (1%)	12 24
49	1r	66/88 (75%)	60 (91%)	6 (9%)	0	100 100
49	2r	66/88 (75%)	61 (92%)	4 (6%)	1 (2%)	8 16
50	1s	81/93 (87%)	71 (88%)	8 (10%)	2 (2%)	4 7
50	2s	81/93 (87%)	68 (84%)	11 (14%)	2 (2%)	4 7
51	1t	94/106 (89%)	83 (88%)	9 (10%)	2 (2%)	5 9
51	2t	94/106 (89%)	84 (89%)	9 (10%)	1 (1%)	11 22
52	1u	21/27 (78%)	21 (100%)	0	0	100 100
52	2u	21/27 (78%)	18 (86%)	3 (14%)	0	100 100
All	All	11370/12128 (94%)	10332 (91%)	901 (8%)	137 (1%)	10 20

5 of 137 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
11	1P	38	GLN
21	1Z	53	ILE
26	14	53	GLU
33	1b	17	PHE
34	1c	66	VAL

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%)	196 (91%)	19 (9%)	9 20
3	2D	215/218 (99%)	196 (91%)	19 (9%)	9 20
4	1E	164/166 (99%)	148 (90%)	16 (10%)	7 16
4	2E	164/166 (99%)	145 (88%)	19 (12%)	5 11
5	1F	160/166 (96%)	141 (88%)	19 (12%)	5 11
5	2F	159/166 (96%)	147 (92%)	12 (8%)	12 26
6	1G	143/156 (92%)	133 (93%)	10 (7%)	14 29
6	2G	143/156 (92%)	124 (87%)	19 (13%)	4 8
7	1H	144/148 (97%)	134 (93%)	10 (7%)	14 30
7	2H	144/148 (97%)	126 (88%)	18 (12%)	4 9
8	1I	113/124 (91%)	90 (80%)	23 (20%)	1 2
8	2I	105/124 (85%)	86 (82%)	19 (18%)	2 3
9	1N	118/119 (99%)	104 (88%)	14 (12%)	5 11
9	2N	118/119 (99%)	105 (89%)	13 (11%)	6 13
10	1O	100/100 (100%)	98 (98%)	2 (2%)	48 75
10	2O	100/100 (100%)	95 (95%)	5 (5%)	22 44
11	1P	115/116 (99%)	105 (91%)	10 (9%)	9 21
11	2P	115/116 (99%)	108 (94%)	7 (6%)	17 35
12	1Q	111/111 (100%)	102 (92%)	9 (8%)	11 23
12	2Q	111/111 (100%)	107 (96%)	4 (4%)	31 58
13	1R	101/101 (100%)	94 (93%)	7 (7%)	14 30
13	2R	101/101 (100%)	93 (92%)	8 (8%)	11 24
14	1S	86/88 (98%)	76 (88%)	10 (12%)	5 11
14	2S	85/88 (97%)	74 (87%)	11 (13%)	4 9
15	1T	115/127 (91%)	108 (94%)	7 (6%)	17 35
15	2T	113/127 (89%)	103 (91%)	10 (9%)	9 20
16	1U	93/94 (99%)	88 (95%)	5 (5%)	20 41
16	2U	93/94 (99%)	86 (92%)	7 (8%)	12 26
17	1V	80/82 (98%)	73 (91%)	7 (9%)	9 20

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
17	2V	80/82 (98%)	66 (82%)	14 (18%)	2 3
18	1W	90/92 (98%)	83 (92%)	7 (8%)	11 24
18	2W	90/92 (98%)	83 (92%)	7 (8%)	11 24
19	1X	77/78 (99%)	74 (96%)	3 (4%)	28 55
19	2X	77/78 (99%)	76 (99%)	1 (1%)	61 82
20	1Y	85/91 (93%)	77 (91%)	8 (9%)	8 18
20	2Y	85/91 (93%)	72 (85%)	13 (15%)	3 5
21	1Z	135/179 (75%)	119 (88%)	16 (12%)	5 11
21	2Z	137/179 (76%)	114 (83%)	23 (17%)	2 4
22	10	65/67 (97%)	65 (100%)	0	100 100
22	20	65/67 (97%)	64 (98%)	1 (2%)	57 80
23	11	80/83 (96%)	75 (94%)	5 (6%)	16 34
23	21	80/83 (96%)	73 (91%)	7 (9%)	9 20
24	12	65/67 (97%)	63 (97%)	2 (3%)	35 62
24	22	65/67 (97%)	62 (95%)	3 (5%)	24 48
25	13	51/52 (98%)	44 (86%)	7 (14%)	3 7
25	23	50/52 (96%)	48 (96%)	2 (4%)	28 54
26	14	59/63 (94%)	53 (90%)	6 (10%)	7 15
26	24	53/63 (84%)	41 (77%)	12 (23%)	1 1
27	15	50/52 (96%)	48 (96%)	2 (4%)	28 54
27	25	50/52 (96%)	48 (96%)	2 (4%)	28 54
28	16	51/52 (98%)	41 (80%)	10 (20%)	1 2
28	26	50/52 (96%)	44 (88%)	6 (12%)	5 10
29	17	41/42 (98%)	38 (93%)	3 (7%)	13 27
29	27	41/42 (98%)	37 (90%)	4 (10%)	7 16
30	18	54/55 (98%)	51 (94%)	3 (6%)	19 39
30	28	54/55 (98%)	49 (91%)	5 (9%)	8 18
31	19	34/34 (100%)	34 (100%)	0	100 100
31	29	34/34 (100%)	32 (94%)	2 (6%)	18 37
33	1b	192/220 (87%)	172 (90%)	20 (10%)	7 14
33	2b	187/220 (85%)	160 (86%)	27 (14%)	3 6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
34	1c	142/188 (76%)	128 (90%)	14 (10%)	7 16
34	2c	140/188 (74%)	119 (85%)	21 (15%)	3 6
35	1d	169/181 (93%)	149 (88%)	20 (12%)	5 11
35	2d	173/181 (96%)	150 (87%)	23 (13%)	4 8
36	1e	113/123 (92%)	102 (90%)	11 (10%)	8 17
36	2e	114/123 (93%)	100 (88%)	14 (12%)	4 10
37	1f	84/90 (93%)	75 (89%)	9 (11%)	6 13
37	2f	85/90 (94%)	75 (88%)	10 (12%)	5 11
38	1g	119/127 (94%)	104 (87%)	15 (13%)	4 9
38	2g	120/127 (94%)	110 (92%)	10 (8%)	10 22
39	1h	114/119 (96%)	105 (92%)	9 (8%)	11 24
39	2h	114/119 (96%)	105 (92%)	9 (8%)	11 24
40	1i	90/99 (91%)	81 (90%)	9 (10%)	7 15
40	2i	89/99 (90%)	76 (85%)	13 (15%)	3 6
41	1j	66/92 (72%)	58 (88%)	8 (12%)	5 10
41	2j	69/92 (75%)	60 (87%)	9 (13%)	4 8
42	1k	82/99 (83%)	73 (89%)	9 (11%)	6 13
42	2k	83/99 (84%)	77 (93%)	6 (7%)	13 28
43	1l	96/108 (89%)	86 (90%)	10 (10%)	7 14
43	2l	96/108 (89%)	90 (94%)	6 (6%)	16 34
44	1m	93/101 (92%)	81 (87%)	12 (13%)	4 9
44	2m	92/101 (91%)	81 (88%)	11 (12%)	5 10
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5 10
45	2n	49/50 (98%)	45 (92%)	4 (8%)	10 23
46	1o	78/80 (98%)	71 (91%)	7 (9%)	9 19
46	2o	78/80 (98%)	74 (95%)	4 (5%)	21 43
47	1p	69/74 (93%)	62 (90%)	7 (10%)	7 15
47	2p	68/74 (92%)	57 (84%)	11 (16%)	2 4
48	1q	94/97 (97%)	90 (96%)	4 (4%)	26 51
48	2q	94/97 (97%)	89 (95%)	5 (5%)	20 42
49	1r	59/77 (77%)	56 (95%)	3 (5%)	21 43

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
49	2r	59/77 (77%)	53 (90%)	6 (10%)	7 15
50	1s	69/80 (86%)	63 (91%)	6 (9%)	9 21
50	2s	67/80 (84%)	60 (90%)	7 (10%)	7 14
51	1t	70/82 (85%)	64 (91%)	6 (9%)	10 21
51	2t	70/82 (85%)	67 (96%)	3 (4%)	26 51
52	1u	18/22 (82%)	17 (94%)	1 (6%)	19 39
52	2u	18/22 (82%)	17 (94%)	1 (6%)	19 39
All	All	9303/10064 (92%)	8404 (90%)	899 (10%)	8 17

5 of 899 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
4	2E	184	VAL
49	2r	82	THR
14	2S	50	SER
48	2q	14	LYS
38	2g	53	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 138 such sidechains are listed below:

Mol	Chain	Res	Type
40	2i	3	GLN
41	2j	21	GLN
47	2p	13	HIS
41	1j	56	HIS
40	1i	124	GLN

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	442 (15%)	30 (1%)
1	2A	2791/2915 (95%)	474 (16%)	23 (0%)
2	1B	119/121 (98%)	10 (8%)	0
2	2B	118/121 (97%)	21 (17%)	0
32	1a	1497/1521 (98%)	243 (16%)	0
32	2a	1501/1521 (98%)	283 (18%)	0
53	1v	12/24 (50%)	1 (8%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
53	2v	12/24 (50%)	1 (8%)	0
54	1w	71/76 (93%)	25 (35%)	0
54	2w	68/76 (89%)	18 (26%)	0
55	1x	74/77 (96%)	11 (14%)	0
55	2x	74/77 (96%)	10 (13%)	0
56	1y	72/76 (94%)	36 (50%)	0
56	2y	70/76 (92%)	23 (32%)	0
All	All	9343/9620 (97%)	1598 (17%)	53 (0%)

5 of 1598 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	10	G
1	1A	12	U
1	1A	13	A
1	1A	15	G
1	1A	27	G

5 of 53 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2629	A
1	2A	528	A
1	2A	1992	G
1	1A	2689	U
1	2A	266	G

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	PSU	1A	1911	1	18,21,22	1.39	2 (11%)	21,30,33	2.17	4 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
1	5MC	1A	1942	1	19,22,23	1.58	3 (15%)	26,32,35	1.20	2 (7%)
56	MIA	2y	37	56	21,24,32	1.61	3 (14%)	30,35,47	2.02	9 (30%)
54	MIA	2w	37	54	24,27,32	2.10	6 (25%)	32,39,47	2.87	12 (37%)
1	PSU	2A	1911	1	18,21,22	1.39	2 (11%)	21,30,33	2.00	4 (19%)
54	5MU	2w	54	54	19,22,23	1.45	5 (26%)	27,32,35	1.80	5 (18%)
32	5MC	2a	1400	32	19,22,23	1.67	3 (15%)	26,32,35	1.11	2 (7%)
55	PSU	2x	55	55	18,21,22	1.36	2 (11%)	21,30,33	1.94	4 (19%)
32	5MC	2a	1404	32	19,22,23	1.72	3 (15%)	26,32,35	1.11	2 (7%)
1	5MU	1A	1939	57,1	19,22,23	1.45	5 (26%)	27,32,35	2.39	8 (29%)
32	PSU	1a	516	32	18,21,22	1.35	2 (11%)	21,30,33	2.10	5 (23%)
32	5MC	1a	967	32	19,22,23	1.74	3 (15%)	26,32,35	1.12	3 (11%)
43	0TD	2l	92	43	8,9,10	4.50	1 (12%)	6,11,13	5.15	3 (50%)
56	7MG	2y	46	56	23,26,27	1.42	4 (17%)	27,39,42	2.64	7 (25%)
55	5MC	2x	32	55	19,22,23	1.59	3 (15%)	26,32,35	1.20	3 (11%)
1	5MU	2A	1939	57,1	19,22,23	1.38	5 (26%)	27,32,35	2.22	8 (29%)
54	PSU	1w	39	54	18,21,22	1.23	2 (11%)	21,30,33	2.33	4 (19%)
32	MA6	1a	1518	32	23,26,27	0.43	0	33,38,41	2.07	9 (27%)
32	5MC	1a	1404	32	19,22,23	1.71	3 (15%)	26,32,35	1.09	2 (7%)
32	MA6	2a	1519	32	23,26,27	0.44	0	33,38,41	2.14	8 (24%)
56	PSU	2y	55	56	18,21,22	1.30	2 (11%)	21,30,33	1.91	4 (19%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	0.92	1 (4%)
1	5MC	2A	1942	1	19,22,23	1.78	3 (15%)	26,32,35	1.21	3 (11%)
1	4OC	1A	1920	1	19,22,24	0.83	0	25,31,35	0.90	1 (4%)
56	4SU	2y	8	56	18,21,22	1.72	4 (22%)	25,30,33	2.36	6 (24%)
56	PSU	2y	39	56	18,21,22	1.48	2 (11%)	21,30,33	1.59	4 (19%)
54	5MU	1w	54	54	19,22,23	1.38	5 (26%)	27,32,35	2.07	6 (22%)
1	PSU	1A	1917	1	18,21,22	1.38	2 (11%)	21,30,33	2.16	4 (19%)
56	7MG	1y	46	56	23,26,27	1.39	3 (13%)	27,39,42	2.66	7 (25%)
1	PSU	1A	2605	57,1	18,21,22	1.43	2 (11%)	21,30,33	2.01	3 (14%)
1	5MU	1A	1915	1	19,22,23	1.41	4 (21%)	27,32,35	2.12	5 (18%)
32	5MC	2a	967	57,32	19,22,23	1.65	3 (15%)	26,32,35	1.11	2 (7%)
56	PSU	1y	55	56	18,21,22	1.42	2 (11%)	21,30,33	2.08	4 (19%)
54	PSU	2w	55	54	18,21,22	1.42	2 (11%)	21,30,33	1.96	4 (19%)
55	PSU	1x	55	55	18,21,22	1.39	2 (11%)	21,30,33	1.93	3 (14%)
1	2MU	1A	2552	1	19,22,24	1.26	3 (15%)	25,31,36	1.85	6 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
32	MA6	2a	1518	32	23,26,27	0.44	0	33,38,41	2.07	9 (27%)
54	7MG	1w	46	54	23,26,27	1.38	3 (13%)	27,39,42	2.53	7 (25%)
1	PSU	2A	2605	1	18,21,22	1.41	3 (16%)	21,30,33	2.15	5 (23%)
55	5MU	2x	54	55	19,22,23	1.38	5 (26%)	27,32,35	2.16	6 (22%)
32	5MC	2a	1407	32	19,22,23	1.63	3 (15%)	26,32,35	1.22	3 (11%)
54	PSU	1w	55	54	18,21,22	1.42	2 (11%)	21,30,33	2.11	3 (14%)
55	31H	2x	76	55,57	31,34,35	1.24	3 (9%)	35,47,50	2.03	12 (34%)
55	31H	1x	76	55,57	31,34,35	1.23	3 (9%)	35,47,50	2.05	11 (31%)
32	4OC	2a	1402	57,32	20,23,24	0.78	0	25,32,35	1.14	2 (8%)
32	UR3	1a	1498	32	19,22,23	1.07	2 (10%)	26,32,35	1.89	6 (23%)
54	7MG	2w	46	54	23,26,27	1.32	3 (13%)	27,39,42	2.66	7 (25%)
1	5MC	2A	1962	57,1	19,22,23	1.77	3 (15%)	26,32,35	1.19	2 (7%)
32	MA6	1a	1519	32	23,26,27	0.44	0	33,38,41	2.06	8 (24%)
32	7MG	2a	527	57,32	23,26,27	1.32	4 (17%)	27,39,42	2.53	6 (22%)
54	MIA	1w	37	54	28,31,32	2.28	7 (25%)	38,44,47	2.80	12 (31%)
43	0TD	1l	92	43	8,9,10	4.36	1 (12%)	6,11,13	5.21	2 (33%)
32	7MG	1a	527	32	23,26,27	1.39	3 (13%)	27,39,42	2.53	6 (22%)
1	4OC	2A	1920	1	19,22,24	0.76	0	25,31,35	0.84	0
56	PSU	2y	32	56	18,21,22	1.36	2 (11%)	21,30,33	1.98	4 (19%)
32	5MC	1a	1400	32	19,22,23	1.55	3 (15%)	26,32,35	1.07	3 (11%)
1	OMG	1A	2251	57,1,55	23,26,27	1.25	3 (13%)	32,38,41	2.06	6 (18%)
56	5MU	2y	54	56	19,22,23	1.45	4 (21%)	27,32,35	1.93	7 (25%)
54	PSU	2w	39	54	18,21,22	1.32	2 (11%)	21,30,33	2.27	4 (19%)
1	5MC	1A	1962	1	19,22,23	1.66	3 (15%)	26,32,35	1.09	3 (11%)
54	F3N	2w	76	1,54	33,36,37	1.43	4 (12%)	41,51,54	1.74	9 (21%)
56	PSU	1y	39	56	18,21,22	1.37	2 (11%)	21,30,33	2.01	3 (14%)
32	5MC	1a	1407	32	19,22,23	1.60	2 (10%)	26,32,35	1.13	2 (7%)
56	MIA	1y	37	56	21,24,32	1.60	4 (19%)	30,35,47	2.01	6 (20%)
55	4SU	1x	8	55	18,21,22	2.14	5 (27%)	25,30,33	1.71	6 (24%)
1	5MU	2A	1915	57,1	19,22,23	1.43	6 (31%)	27,32,35	1.99	5 (18%)
54	F3N	1w	76	1,54	33,36,37	1.45	4 (12%)	41,51,54	1.69	7 (17%)
55	5MC	1x	32	55	19,22,23	1.60	3 (15%)	26,32,35	1.20	3 (11%)
32	2MG	1a	1207	32	23,26,27	1.28	3 (13%)	33,38,41	2.20	7 (21%)
1	PSU	2A	1917	1	18,21,22	1.43	3 (16%)	21,30,33	1.92	4 (19%)
32	2MG	2a	1207	32	23,26,27	1.23	2 (8%)	33,38,41	2.13	8 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	4SU	1y	8	56	18,21,22	1.79	4 (22%)	25,30,33	2.24	5 (20%)
56	5MU	1y	54	56	19,22,23	1.40	4 (21%)	27,32,35	1.81	6 (22%)
1	2MA	2A	2503	57,1	22,25,26	1.54	5 (22%)	32,37,40	2.19	9 (28%)
55	4SU	2x	8	55	18,21,22	2.11	6 (33%)	25,30,33	1.77	7 (28%)
54	PSU	2w	32	54	18,21,22	1.35	2 (11%)	21,30,33	1.82	4 (19%)
1	2MA	1A	2503	57,1	22,25,26	1.42	3 (13%)	32,37,40	2.44	8 (25%)
55	5MU	1x	54	55	19,22,23	1.45	4 (21%)	27,32,35	1.92	8 (29%)
56	PSU	1y	32	56	18,21,22	1.34	2 (11%)	21,30,33	2.00	4 (19%)
32	PSU	2a	516	32	18,21,22	1.36	2 (11%)	21,30,33	1.99	3 (14%)
54	4SU	2w	8	54	18,21,22	1.62	4 (22%)	25,30,33	2.37	5 (20%)
1	OMG	2A	2251	57,1,55	23,26,27	1.25	4 (17%)	32,38,41	1.92	7 (21%)
54	PSU	1w	32	57,54	18,21,22	1.31	2 (11%)	21,30,33	1.96	3 (14%)
32	M2G	1a	966	32	24,27,28	1.31	3 (12%)	33,40,43	1.88	5 (15%)
54	4SU	1w	8	54	18,21,22	1.80	5 (27%)	25,30,33	2.09	4 (16%)
32	M2G	2a	966	32	24,27,28	1.32	4 (16%)	33,40,43	1.89	5 (15%)
1	2MU	2A	2552	57,1	19,22,24	1.15	2 (10%)	25,31,36	1.83	6 (24%)
32	UR3	2a	1498	32	19,22,23	1.10	2 (10%)	26,32,35	1.82	4 (15%)

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	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
56	MIA	2y	37	56	-	3/7/25/34	0/3/3/3
54	MIA	2w	37	54	-	2/11/29/34	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	57,1	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32	-	1/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	3/7/12/14	-
56	7MG	2y	46	56	-	3/7/37/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	57,1	-	0/7/25/26	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
56	PSU	2y	55	56	-	3/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	4OC	1A	1920	1	-	0/9/27/30	0/2/2/2
56	4SU	2y	8	56	-	0/7/25/26	0/2/2/2
56	PSU	2y	39	56	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
56	7MG	1y	46	56	-	4/7/37/38	0/3/3/3
1	PSU	1A	2605	57,1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	57,32	-	0/7/25/26	0/2/2/2
56	PSU	1y	55	56	-	2/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
1	2MU	1A	2552	1	-	0/9/27/28	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
54	7MG	1w	46	54	-	3/7/37/38	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
55	31H	2x	76	55,57	-	3/22/40/41	0/3/3/3
55	31H	1x	76	55,57	-	3/22/40/41	0/3/3/3
32	4OC	2a	1402	57,32	-	2/9/29/30	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
54	7MG	2w	46	54	-	2/7/37/38	0/3/3/3
1	5MC	2A	1962	57,1	-	2/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	2/11/29/30	0/3/3/3
32	7MG	2a	527	57,32	-	3/7/37/38	0/3/3/3
54	MIA	1w	37	54	-	3/15/33/34	0/3/3/3
43	0TD	1l	92	43	-	1/7/12/14	-
32	7MG	1a	527	32	-	2/7/37/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
56	PSU	2y	32	56	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	1/7/25/26	0/2/2/2
1	OMG	1A	2251	57,1,55	-	0/9/27/28	0/3/3/3
56	5MU	2y	54	56	-	2/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	1	-	0/7/25/26	0/2/2/2
54	F3N	2w	76	1,54	-	0/19/37/38	0/4/4/4
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
56	MIA	1y	37	56	-	2/7/25/34	0/3/3/3
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	57,1	-	0/7/25/26	0/2/2/2
54	F3N	1w	76	1,54	-	0/19/37/38	0/4/4/4
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	2/9/27/28	0/3/3/3
1	PSU	2A	1917	1	-	2/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
56	4SU	1y	8	56	-	2/7/25/26	0/2/2/2
56	5MU	1y	54	56	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	57,1	-	1/7/25/26	0/3/3/3
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	57,1	-	1/7/25/26	0/3/3/3
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	57,1,55	-	1/9/27/28	0/3/3/3
54	PSU	1w	32	57,54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
1	2MU	2A	2552	57,1	-	0/9/27/28	0/2/2/2
32	UR3	2a	1498	32	-	2/7/25/26	0/2/2/2

The worst 5 of 254 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.33	1.69	1.82
43	1l	92	0TD	CB-SB	-11.87	1.70	1.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1w	37	MIA	C2-S10	-6.80	1.70	1.75
54	1w	37	MIA	C13-C14	6.72	1.52	1.32
54	2w	37	MIA	C2-S10	-6.67	1.70	1.75

The worst 5 of 454 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
43	1l	92	0TD	CSB-SB-CB	12.10	124.11	102.36
43	2l	92	0TD	CSB-SB-CB	-11.78	81.18	102.36
54	1w	37	MIA	C12-C13-C14	-9.75	109.52	127.01
54	2w	37	MIA	C5-C4-N3	-9.54	117.14	127.18
56	1y	46	7MG	N9-C4-N3	9.38	139.21	125.46

There are no chirality outliers.

5 of 69 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1207	2MG	N1-C2-N2-CM2
32	1a	1207	2MG	N3-C2-N2-CM2
32	1a	1519	MA6	O4'-C4'-C5'-O5'
1	2A	2251	OMG	C1'-C2'-O2'-CM2
54	1w	37	MIA	C12-C13-C14-C15

There are no ring outliers.

41 monomers are involved in 52 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	2y	37	MIA	1	0
54	2w	54	5MU	1	0
1	1A	1939	5MU	1	0
43	2l	92	0TD	1	0
56	2y	46	7MG	1	0
55	2x	32	5MC	1	0
54	1w	39	PSU	1	0
32	1a	1518	MA6	1	0
32	2a	1519	MA6	3	0
56	2y	55	PSU	3	0
32	1a	1402	4OC	2	0
56	2y	8	4SU	2	0
56	2y	39	PSU	3	0
1	1A	1917	PSU	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	1A	1915	5MU	1	0
32	2a	967	5MC	1	0
56	1y	55	PSU	1	0
54	2w	55	PSU	1	0
55	1x	55	PSU	1	0
1	1A	2552	2MU	1	0
32	2a	1518	MA6	3	0
55	2x	76	31H	1	0
55	1x	76	31H	3	0
32	2a	1402	4OC	2	0
32	1a	1498	UR3	1	0
54	2w	46	7MG	2	0
32	1a	1519	MA6	1	0
54	2w	76	F3N	2	0
56	1y	39	PSU	1	0
56	1y	37	MIA	2	0
54	1w	76	F3N	1	0
1	2A	1917	PSU	1	0
32	2a	1207	2MG	2	0
1	2A	2503	2MA	1	0
1	1A	2503	2MA	1	0
55	1x	54	5MU	1	0
54	2w	8	4SU	1	0
1	2A	2251	OMG	1	0
54	1w	8	4SU	1	0
32	2a	966	M2G	1	0
1	2A	2552	2MU	1	0

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2812 ligands modelled in this entry, 2810 are monoatomic - leaving 2 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	$\#\|Z\| > 2$
60	SF4	2d	501	35	0,12,12	-	-	-		
60	SF4	1d	501	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
60	SF4	2d	501	35	-	-	0/6/5/5
60	SF4	1d	501	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

2 monomers are involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
60	2d	501	SF4	1	0
60	1d	501	SF4	1	0

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%)	-0.53	142 (4%) 34 30	15, 31, 83, 96	0
1	2A	2789/2915 (95%)	-0.00	117 (4%) 40 36	27, 50, 81, 93	0
2	1B	120/121 (99%)	-0.53	0 100 100	24, 41, 55, 75	0
2	2B	120/121 (99%)	0.68	5 (4%) 40 36	56, 66, 73, 77	0
3	1D	275/276 (99%)	-0.13	2 (0%) 84 81	17, 33, 46, 63	0
3	2D	275/276 (99%)	0.36	4 (1%) 72 68	26, 45, 56, 77	0
4	1E	204/206 (99%)	-0.07	0 100 100	16, 37, 54, 61	0
4	2E	204/206 (99%)	0.44	1 (0%) 87 85	25, 52, 63, 72	0
5	1F	203/210 (96%)	-0.07	1 (0%) 87 85	16, 37, 58, 70	0
5	2F	203/210 (96%)	0.53	4 (1%) 65 61	28, 59, 70, 80	0
6	1G	181/182 (99%)	0.45	3 (1%) 69 65	31, 50, 63, 73	0
6	2G	181/182 (99%)	1.29	23 (12%) 8 6	56, 67, 74, 79	0
7	1H	174/180 (96%)	0.47	2 (1%) 78 75	33, 48, 58, 64	0
7	2H	174/180 (96%)	1.45	35 (20%) 3 2	58, 70, 77, 83	0
8	1I	146/148 (98%)	0.91	11 (7%) 20 18	35, 63, 72, 76	0
8	2I	146/148 (98%)	1.66	45 (30%) 1 1	49, 67, 77, 83	0
9	1N	140/140 (100%)	-0.08	2 (1%) 73 70	23, 34, 53, 66	0
9	2N	140/140 (100%)	0.75	7 (5%) 34 30	36, 56, 68, 79	0
10	1O	122/122 (100%)	-0.18	0 100 100	24, 37, 51, 58	0
10	2O	122/122 (100%)	0.37	0 100 100	36, 49, 61, 66	0
11	1P	149/150 (99%)	0.12	1 (0%) 84 81	15, 40, 62, 69	0
11	2P	149/150 (99%)	0.84	8 (5%) 31 27	34, 58, 72, 81	0
12	1Q	141/141 (100%)	-0.11	0 100 100	18, 34, 47, 58	0
12	2Q	141/141 (100%)	0.84	6 (4%) 40 35	33, 55, 65, 68	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.24	1 (0%) 82 80	22, 30, 41, 50	0
13	2R	118/118 (100%)	0.27	0 100 100	35, 45, 58, 61	0
14	1S	110/112 (98%)	0.06	0 100 100	30, 41, 52, 57	0
14	2S	110/112 (98%)	1.17	16 (14%) 6 5	51, 61, 68, 72	0
15	1T	131/146 (89%)	0.21	3 (2%) 61 57	29, 39, 61, 72	0
15	2T	131/146 (89%)	0.62	7 (5%) 32 28	42, 53, 66, 72	0
16	1U	116/118 (98%)	-0.38	0 100 100	18, 26, 42, 55	0
16	2U	116/118 (98%)	0.64	3 (2%) 57 52	38, 52, 63, 69	0
17	1V	101/101 (100%)	-0.21	0 100 100	16, 35, 48, 56	0
17	2V	101/101 (100%)	0.88	3 (2%) 52 48	37, 61, 68, 74	0
18	1W	112/113 (99%)	-0.31	1 (0%) 81 78	20, 28, 46, 75	0
18	2W	112/113 (99%)	0.37	1 (0%) 81 78	36, 45, 59, 74	0
19	1X	95/96 (98%)	-0.17	1 (1%) 78 75	21, 32, 51, 70	0
19	2X	95/96 (98%)	0.69	4 (4%) 40 36	39, 53, 66, 70	0
20	1Y	107/110 (97%)	0.23	1 (0%) 81 78	30, 44, 58, 68	0
20	2Y	107/110 (97%)	1.16	12 (11%) 10 8	51, 62, 72, 79	0
21	1Z	154/206 (74%)	0.69	12 (7%) 19 17	29, 53, 69, 72	0
21	2Z	160/206 (77%)	1.55	43 (26%) 1 1	55, 68, 76, 83	0
22	10	83/85 (97%)	-0.14	0 100 100	22, 29, 43, 54	0
22	20	83/85 (97%)	0.81	5 (6%) 27 24	36, 53, 61, 67	0
23	11	97/98 (98%)	0.21	2 (2%) 63 59	22, 40, 60, 66	0
23	21	97/98 (98%)	0.84	6 (6%) 26 23	36, 52, 66, 70	0
24	12	70/72 (97%)	0.20	0 100 100	28, 43, 51, 58	0
24	22	70/72 (97%)	0.91	1 (1%) 73 70	53, 60, 67, 72	0
25	13	59/60 (98%)	-0.17	1 (1%) 69 65	17, 31, 53, 67	0
25	23	59/60 (98%)	0.61	1 (1%) 69 65	48, 56, 71, 78	0
26	14	69/71 (97%)	1.01	13 (18%) 3 2	43, 64, 77, 82	0
26	24	69/71 (97%)	1.77	25 (36%) 1 1	66, 73, 81, 85	0
27	15	59/60 (98%)	-0.37	0 100 100	17, 28, 43, 54	0
27	25	59/60 (98%)	0.24	2 (3%) 48 43	32, 45, 57, 72	0
28	16	53/54 (98%)	-0.21	0 100 100	27, 35, 48, 51	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/54 (98%)	0.69	2 (3%) 44 39	42, 52, 58, 61	0
29	17	48/49 (97%)	-0.25	0 100 100	17, 24, 45, 53	0
29	27	48/49 (97%)	0.15	1 (2%) 63 59	29, 37, 54, 66	0
30	18	64/65 (98%)	-0.41	0 100 100	22, 29, 37, 43	0
30	28	64/65 (98%)	0.56	0 100 100	38, 49, 54, 58	0
31	19	37/37 (100%)	-0.07	0 100 100	27, 35, 44, 48	0
31	29	37/37 (100%)	1.08	4 (10%) 11 9	48, 57, 64, 65	0
32	1a	1488/1521 (97%)	0.14	32 (2%) 62 58	28, 55, 80, 91	0
32	2a	1491/1521 (98%)	0.51	56 (3%) 44 39	44, 66, 82, 95	0
33	1b	231/256 (90%)	1.12	33 (14%) 6 5	53, 64, 74, 80	0
33	2b	231/256 (90%)	1.52	59 (25%) 1 1	63, 72, 77, 82	0
34	1c	206/239 (86%)	0.85	9 (4%) 39 34	45, 58, 69, 75	0
34	2c	206/239 (86%)	1.34	33 (16%) 5 4	61, 71, 76, 82	0
35	1d	208/209 (99%)	0.75	9 (4%) 40 35	43, 57, 66, 71	0
35	2d	208/209 (99%)	1.38	39 (18%) 3 2	55, 64, 72, 76	0
36	1e	148/162 (91%)	0.55	2 (1%) 73 70	41, 54, 65, 75	0
36	2e	148/162 (91%)	1.07	14 (9%) 14 12	58, 66, 71, 75	0
37	1f	100/101 (99%)	0.63	4 (4%) 42 38	43, 52, 65, 69	0
37	2f	100/101 (99%)	0.88	3 (3%) 52 48	51, 59, 67, 70	0
38	1g	155/156 (99%)	0.87	13 (8%) 17 15	49, 61, 73, 84	0
38	2g	155/156 (99%)	1.37	30 (19%) 3 2	61, 69, 75, 79	0
39	1h	137/138 (99%)	0.64	3 (2%) 62 58	46, 56, 63, 70	0
39	2h	137/138 (99%)	1.00	9 (6%) 24 21	57, 67, 72, 77	0
40	1i	127/128 (99%)	1.00	11 (8%) 16 14	43, 62, 71, 78	0
40	2i	127/128 (99%)	1.73	44 (34%) 1 1	62, 71, 76, 79	0
41	1j	97/105 (92%)	1.14	14 (14%) 6 5	45, 64, 72, 79	0
41	2j	96/105 (91%)	1.74	34 (35%) 1 1	65, 72, 77, 78	0
42	1k	114/129 (88%)	0.67	1 (0%) 81 78	34, 58, 67, 71	0
42	2k	114/129 (88%)	1.01	11 (9%) 13 11	50, 63, 70, 72	0
43	1l	121/132 (91%)	0.40	4 (3%) 49 45	37, 45, 57, 65	0
43	2l	121/132 (91%)	0.69	6 (4%) 34 30	46, 56, 63, 66	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	123/126 (97%)	0.89	8 (6%) 25 22	43, 57, 65, 77	0
44	2m	122/126 (96%)	1.73	42 (34%) 1 1	60, 70, 74, 76	0
45	1n	60/61 (98%)	0.69	3 (5%) 34 30	42, 53, 60, 63	0
45	2n	60/61 (98%)	2.07	27 (45%) 0 0	60, 70, 75, 76	0
46	1o	88/89 (98%)	0.62	1 (1%) 78 75	35, 54, 64, 66	0
46	2o	88/89 (98%)	1.11	11 (12%) 8 6	46, 63, 70, 74	0
47	1p	82/88 (93%)	1.13	12 (14%) 6 4	47, 60, 66, 71	0
47	2p	82/88 (93%)	0.94	5 (6%) 27 23	52, 60, 67, 74	0
48	1q	99/105 (94%)	0.84	3 (3%) 52 48	45, 58, 65, 68	0
48	2q	99/105 (94%)	1.00	11 (11%) 10 8	56, 63, 70, 74	0
49	1r	68/88 (77%)	0.49	1 (1%) 72 68	45, 55, 64, 66	0
49	2r	68/88 (77%)	1.04	3 (4%) 39 34	56, 64, 72, 76	0
50	1s	83/93 (89%)	0.97	4 (4%) 35 31	48, 58, 67, 72	0
50	2s	83/93 (89%)	1.53	18 (21%) 2 2	63, 71, 75, 81	0
51	1t	96/106 (90%)	1.16	13 (13%) 7 5	52, 60, 67, 75	0
51	2t	96/106 (90%)	1.04	13 (13%) 7 5	48, 60, 70, 76	0
52	1u	23/27 (85%)	0.96	1 (4%) 40 35	49, 56, 63, 66	0
52	2u	23/27 (85%)	1.62	7 (30%) 1 1	64, 70, 72, 79	0
53	1v	13/24 (54%)	0.49	2 (15%) 5 4	36, 41, 79, 87	0
53	2v	13/24 (54%)	1.21	4 (30%) 1 1	55, 63, 85, 91	0
54	1w	66/76 (86%)	0.99	12 (18%) 3 2	23, 71, 84, 89	0
54	2w	64/76 (84%)	1.02	8 (12%) 8 6	37, 78, 85, 90	0
55	1x	71/77 (92%)	0.05	1 (1%) 73 70	19, 50, 69, 82	0
55	2x	71/77 (92%)	0.54	1 (1%) 73 70	32, 65, 75, 84	0
56	1y	67/76 (88%)	1.59	13 (19%) 3 2	55, 85, 89, 92	0
56	2y	66/76 (86%)	1.66	15 (22%) 2 2	64, 86, 90, 91	0
All	All	20871/21748 (95%)	0.38	1302 (6%) 26 23	15, 54, 76, 96	0

The worst 5 of 1302 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	1m	124	PRO	9.0
8	2I	83	ALA	8.1

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Mol	Chain	Res	Type	RSRZ
44	2m	123	ALA	6.6
45	2n	2	ALA	6.6
1	2A	2146	C	6.5

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
56	7MG	2y	46	24/25	0.52	0.17	80,91,96,105	0
56	MIA	2y	37	22/30	0.57	0.16	76,85,95,115	0
56	PSU	2y	55	20/21	0.59	0.18	76,83,96,102	0
56	7MG	1y	46	24/25	0.62	0.17	77,85,94,100	0
56	4SU	2y	8	20/21	0.63	0.15	81,89,99,105	0
56	PSU	2y	39	20/21	0.65	0.16	75,85,94,103	0
56	MIA	1y	37	22/30	0.67	0.17	72,78,92,106	0
56	PSU	1y	55	20/21	0.68	0.16	79,86,94,95	0
56	PSU	2y	32	20/21	0.70	0.14	68,85,93,104	0
54	7MG	2w	46	24/25	0.71	0.15	67,75,92,102	0
56	5MU	2y	54	21/22	0.71	0.17	79,83,91,106	0
56	PSU	1y	32	20/21	0.72	0.16	74,80,92,102	0
56	4SU	1y	8	20/21	0.72	0.13	79,86,91,104	0
56	PSU	1y	39	20/21	0.76	0.14	68,82,89,89	0
56	5MU	1y	54	21/22	0.78	0.13	77,82,87,93	0
54	7MG	1w	46	24/25	0.79	0.14	61,70,88,106	0
54	4SU	2w	8	20/21	0.83	0.13	72,78,91,92	0
54	PSU	2w	55	20/21	0.84	0.12	66,73,79,85	0
32	2MG	2a	1207	24/25	0.87	0.12	68,72,77,82	0
43	0TD	2l	92	10/11	0.87	0.14	50,55,64,82	0
54	5MU	2w	54	21/22	0.88	0.12	61,67,76,78	0
54	PSU	2w	32	20/21	0.88	0.13	63,70,75,76	0
55	4SU	2x	8	20/21	0.89	0.11	62,65,70,70	0
54	PSU	2w	39	20/21	0.89	0.12	64,68,73,73	0
54	4SU	1w	8	20/21	0.90	0.12	66,73,81,84	0
55	PSU	2x	55	20/21	0.91	0.10	59,66,75,75	0
54	MIA	2w	37	25/30	0.92	0.11	50,63,71,88	0
55	5MU	1x	54	21/22	0.92	0.11	50,58,60,61	0
55	PSU	1x	55	20/21	0.92	0.10	44,50,59,61	0
32	M2G	2a	966	25/26	0.92	0.13	46,55,71,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	5MU	2x	54	21/22	0.92	0.11	65,68,74,85	0
32	5MC	2a	967	21/22	0.93	0.12	55,61,65,69	0
55	5MC	2x	32	21/22	0.93	0.11	59,63,67,72	0
32	PSU	2a	516	20/21	0.93	0.09	55,61,69,69	0
43	0TD	1l	92	10/11	0.93	0.11	39,45,47,55	0
54	PSU	1w	55	20/21	0.93	0.09	53,61,67,69	0
32	5MC	2a	1407	21/22	0.94	0.10	46,52,56,58	0
55	4SU	1x	8	20/21	0.94	0.10	40,50,58,59	0
32	2MG	1a	1207	24/25	0.94	0.11	46,54,57,62	0
54	5MU	1w	54	21/22	0.94	0.08	40,50,58,61	0
54	PSU	1w	32	20/21	0.94	0.10	43,49,58,59	0
32	7MG	2a	527	24/25	0.94	0.11	44,58,64,65	0
32	5MC	2a	1400	21/22	0.94	0.13	48,59,63,64	0
32	MA6	2a	1519	24/25	0.95	0.10	48,56,59,60	0
1	5MC	1A	1942	21/22	0.95	0.09	31,40,45,49	0
1	5MU	1A	1915	21/22	0.95	0.10	31,40,48,52	0
1	5MU	2A	1915	21/22	0.95	0.09	46,55,60,61	0
1	PSU	2A	1917	20/21	0.95	0.09	42,51,56,56	0
1	4OC	2A	1920	21/23	0.95	0.09	44,51,54,57	0
32	4OC	2a	1402	22/23	0.95	0.11	42,53,58,58	0
32	5MC	2a	1404	21/22	0.95	0.09	41,54,57,60	0
55	5MC	1x	32	21/22	0.95	0.10	39,43,50,60	0
32	UR3	2a	1498	21/22	0.95	0.10	41,50,54,56	0
54	MIA	1w	37	29/30	0.95	0.11	32,42,59,72	0
32	PSU	1a	516	20/21	0.96	0.09	40,48,54,54	0
1	PSU	2A	1911	20/21	0.96	0.08	41,53,60,63	0
32	MA6	2a	1518	24/25	0.96	0.10	49,54,59,63	0
32	M2G	1a	966	25/26	0.96	0.09	34,39,42,47	0
1	PSU	1A	1917	20/21	0.96	0.08	29,44,50,51	0
32	5MC	1a	1400	21/22	0.96	0.11	28,39,43,51	0
1	5MC	2A	1942	21/22	0.96	0.09	40,48,52,58	0
1	5MC	2A	1962	21/22	0.96	0.09	31,42,49,56	0
1	OMG	2A	2251	24/25	0.96	0.09	27,34,37,41	0
55	31H	2x	76	32/33	0.97	0.08	24,34,44,48	0
32	5MC	1a	967	21/22	0.97	0.08	35,42,46,49	0
1	4OC	1A	1920	21/23	0.97	0.07	35,40,42,43	0
1	2MU	2A	2552	21/23	0.97	0.08	32,38,43,44	0
32	7MG	1a	527	24/25	0.97	0.08	33,41,49,51	0
54	PSU	1w	39	20/21	0.97	0.08	32,51,57,60	0
32	4OC	1a	1402	22/23	0.97	0.07	37,43,46,48	0
32	5MC	1a	1404	21/22	0.97	0.08	29,37,39,42	0
32	5MC	1a	1407	21/22	0.97	0.07	23,37,40,43	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	0.08	30,36,40,40	0
32	MA6	1a	1519	24/25	0.97	0.07	29,36,39,44	0
1	5MU	2A	1939	21/22	0.97	0.08	28,33,36,41	0
1	PSU	1A	1911	20/21	0.97	0.07	39,42,46,50	0
54	F3N	2w	76	33/34	0.97	0.08	30,35,41,42	0
55	31H	1x	76	32/33	0.97	0.08	13,21,26,33	10
54	F3N	1w	76	33/34	0.98	0.06	15,20,23,25	0
1	PSU	2A	2605	20/21	0.98	0.07	23,32,38,39	0
1	2MA	1A	2503	23/24	0.98	0.06	10,17,23,28	0
32	UR3	1a	1498	21/22	0.98	0.07	26,31,37,38	0
1	2MU	1A	2552	21/23	0.98	0.06	16,25,29,32	0
1	5MU	1A	1939	21/22	0.98	0.07	17,23,29,30	0
1	5MC	1A	1962	21/22	0.98	0.06	18,25,34,37	0
1	2MA	2A	2503	23/24	0.98	0.07	26,29,33,38	0
1	OMG	1A	2251	24/25	0.98	0.06	15,23,26,28	0
1	PSU	1A	2605	20/21	0.99	0.05	17,22,26,27	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	2A	3917	1/1	0.30	0.22	77,77,77,77	0
57	MG	1A	4227	1/1	0.52	0.17	65,65,65,65	0
57	MG	1a	3245	1/1	0.60	0.23	66,66,66,66	0
57	MG	1A	4167	1/1	0.61	0.15	65,65,65,65	0
57	MG	2A	3724	1/1	0.62	0.23	69,69,69,69	0
57	MG	1A	4212	1/1	0.63	0.20	55,55,55,55	0
57	MG	2a	3268	1/1	0.63	0.15	74,74,74,74	0
57	MG	2A	3840	1/1	0.64	0.27	57,57,57,57	0
57	MG	2A	3943	1/1	0.66	0.21	57,57,57,57	0
57	MG	2a	3020	1/1	0.67	0.25	65,65,65,65	0
57	MG	2a	3235	1/1	0.67	0.16	73,73,73,73	0
57	MG	2A	3791	1/1	0.67	0.15	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	2a	3062	1/1	0.68	0.31	79,79,79,79	0
57	MG	1A	3910	1/1	0.69	0.10	15,15,15,15	0
57	MG	1A	3563	1/1	0.69	0.21	53,53,53,53	0
57	MG	1A	3515	1/1	0.70	0.17	53,53,53,53	0
57	MG	1A	3402	1/1	0.71	0.30	66,66,66,66	0
57	MG	2a	3149	1/1	0.71	0.42	77,77,77,77	0
57	MG	1A	4278	1/1	0.72	0.15	30,30,30,30	0
57	MG	1A	4279	1/1	0.73	0.23	31,31,31,31	0
57	MG	2A	3590	1/1	0.73	0.18	55,55,55,55	0
57	MG	2A	3833	1/1	0.74	0.14	62,62,62,62	0
57	MG	2A	3093	1/1	0.74	0.14	68,68,68,68	0
57	MG	2A	3753	1/1	0.74	0.26	73,73,73,73	0
57	MG	2A	3923	1/1	0.74	0.15	60,60,60,60	0
57	MG	1A	3899	1/1	0.74	0.15	38,38,38,38	0
57	MG	2a	3005	1/1	0.75	0.18	70,70,70,70	0
57	MG	2A	3748	1/1	0.75	0.24	65,65,65,65	0
57	MG	2A	3867	1/1	0.75	0.11	47,47,47,47	0
57	MG	2A	3033	1/1	0.75	0.20	54,54,54,54	0
57	MG	2A	3190	1/1	0.75	0.29	68,68,68,68	0
57	MG	2a	3262	1/1	0.75	0.17	66,66,66,66	0
57	MG	2A	3731	1/1	0.75	0.17	67,67,67,67	0
57	MG	1A	4022	1/1	0.76	0.19	62,62,62,62	0
57	MG	1A	3483	1/1	0.76	0.18	74,74,74,74	0
57	MG	1A	4183	1/1	0.76	0.15	49,49,49,49	0
57	MG	2a	3058	1/1	0.76	0.17	61,61,61,61	0
57	MG	2A	3209	1/1	0.76	0.16	54,54,54,54	0
57	MG	1a	3148	1/1	0.76	0.22	59,59,59,59	0
57	MG	2A	3648	1/1	0.76	0.18	59,59,59,59	0
57	MG	1A	3818	1/1	0.76	0.17	57,57,57,57	0
57	MG	1a	3247	1/1	0.76	0.15	73,73,73,73	0
57	MG	2A	3396	1/1	0.77	0.21	75,75,75,75	0
57	MG	1A	4009	1/1	0.77	0.15	43,43,43,43	0
57	MG	1a	3244	1/1	0.77	0.15	65,65,65,65	0
57	MG	1A	3821	1/1	0.77	0.14	60,60,60,60	0
57	MG	1A	4085	1/1	0.77	0.10	21,21,21,21	0
57	MG	1A	4274	1/1	0.77	0.20	69,69,69,69	0
57	MG	1A	3931	1/1	0.77	0.21	73,73,73,73	0
57	MG	1A	4182	1/1	0.77	0.16	45,45,45,45	0
57	MG	2a	3219	1/1	0.77	0.14	55,55,55,55	0
57	MG	1a	3095	1/1	0.77	0.31	57,57,57,57	0
57	MG	2A	3249	1/1	0.77	0.14	63,63,63,63	0
57	MG	2A	3355	1/1	0.77	0.29	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4296	1/1	0.78	0.17	61,61,61,61	0
57	MG	2A	3315	1/1	0.78	0.17	61,61,61,61	0
57	MG	1A	4068	1/1	0.78	0.10	26,26,26,26	0
57	MG	2A	3127	1/1	0.78	0.25	66,66,66,66	0
57	MG	2A	3176	1/1	0.78	0.20	64,64,64,64	0
57	MG	2a	3116	1/1	0.78	0.15	63,63,63,63	0
57	MG	2A	3599	1/1	0.78	0.19	54,54,54,54	0
57	MG	2a	3183	1/1	0.78	0.18	72,72,72,72	0
57	MG	2A	3862	1/1	0.78	0.11	45,45,45,45	0
57	MG	1A	3439	1/1	0.78	0.17	66,66,66,66	0
57	MG	2A	3710	1/1	0.78	0.14	33,33,33,33	0
57	MG	1a	3254	1/1	0.78	0.19	58,58,58,58	0
57	MG	2A	3264	1/1	0.79	0.23	70,70,70,70	0
57	MG	2A	3899	1/1	0.79	0.12	51,51,51,51	0
57	MG	1A	3849	1/1	0.79	0.11	48,48,48,48	0
57	MG	2A	3615	1/1	0.79	0.21	58,58,58,58	0
57	MG	2a	3185	1/1	0.79	0.11	65,65,65,65	0
57	MG	1a	3252	1/1	0.79	0.22	53,53,53,53	0
57	MG	2A	3660	1/1	0.79	0.15	56,56,56,56	0
57	MG	2A	3257	1/1	0.79	0.28	62,62,62,62	0
57	MG	2A	3422	1/1	0.79	0.15	61,61,61,61	0
57	MG	2A	3220	1/1	0.80	0.30	66,66,66,66	0
57	MG	1a	3180	1/1	0.80	0.13	38,38,38,38	0
57	MG	1A	3845	1/1	0.80	0.13	25,25,25,25	0
57	MG	2a	3071	1/1	0.80	0.16	66,66,66,66	0
57	MG	2a	3079	1/1	0.80	0.20	61,61,61,61	0
57	MG	2A	3616	1/1	0.80	0.13	41,41,41,41	0
57	MG	2a	3128	1/1	0.80	0.37	72,72,72,72	0
57	MG	1A	4029	1/1	0.80	0.18	37,37,37,37	0
57	MG	1A	3999	1/1	0.80	0.12	49,49,49,49	0
57	MG	2A	3184	1/1	0.80	0.19	64,64,64,64	0
57	MG	2A	3712	1/1	0.80	0.14	49,49,49,49	0
57	MG	2a	3232	1/1	0.80	0.14	70,70,70,70	0
57	MG	1A	4006	1/1	0.80	0.14	47,47,47,47	0
57	MG	1A	3346	1/1	0.80	0.14	48,48,48,48	0
57	MG	2A	3496	1/1	0.80	0.32	71,71,71,71	0
57	MG	1a	3241	1/1	0.81	0.17	61,61,61,61	0
57	MG	2a	3027	1/1	0.81	0.21	74,74,74,74	0
57	MG	2a	3050	1/1	0.81	0.12	69,69,69,69	0
57	MG	1A	3805	1/1	0.81	0.12	35,35,35,35	0
57	MG	1A	4197	1/1	0.81	0.18	65,65,65,65	0
57	MG	1A	3943	1/1	0.81	0.13	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	1A	4174	1/1	0.81	0.12	57,57,57,57	0
57	MG	1A	4251	1/1	0.81	0.14	49,49,49,49	0
57	MG	1A	3957	1/1	0.81	0.19	54,54,54,54	0
57	MG	2a	3133	1/1	0.81	0.17	60,60,60,60	0
57	MG	2A	3643	1/1	0.81	0.13	40,40,40,40	0
57	MG	2a	3153	1/1	0.81	0.20	75,75,75,75	0
57	MG	1a	3204	1/1	0.81	0.19	71,71,71,71	0
57	MG	2A	3273	1/1	0.81	0.39	69,69,69,69	0
57	MG	2A	3107	1/1	0.81	0.33	63,63,63,63	0
57	MG	2A	3924	1/1	0.81	0.13	71,71,71,71	0
57	MG	2A	3322	1/1	0.81	0.15	50,50,50,50	0
57	MG	1a	3237	1/1	0.81	0.13	77,77,77,77	0
57	MG	2a	3011	1/1	0.81	0.23	64,64,64,64	0
57	MG	1A	4208	1/1	0.82	0.21	53,53,53,53	0
57	MG	1A	4025	1/1	0.82	0.12	36,36,36,36	0
57	MG	1a	3083	1/1	0.82	0.15	57,57,57,57	0
57	MG	2A	3882	1/1	0.82	0.14	51,51,51,51	0
57	MG	1A	3781	1/1	0.82	0.12	68,68,68,68	0
57	MG	1a	3135	1/1	0.82	0.12	72,72,72,72	0
57	MG	1A	3275	1/1	0.82	0.22	36,36,36,36	0
57	MG	2A	3215	1/1	0.82	0.18	64,64,64,64	0
57	MG	1a	3166	1/1	0.82	0.19	79,79,79,79	0
57	MG	1A	4074	1/1	0.82	0.15	44,44,44,44	0
57	MG	2A	3766	1/1	0.82	0.13	46,46,46,46	0
57	MG	2a	3215	1/1	0.82	0.14	69,69,69,69	0
57	MG	2A	3770	1/1	0.82	0.15	83,83,83,83	0
57	MG	2A	3083	1/1	0.82	0.28	62,62,62,62	0
57	MG	2a	3233	1/1	0.82	0.18	67,67,67,67	0
57	MG	2a	3043	1/1	0.82	0.19	61,61,61,61	0
57	MG	2a	3044	1/1	0.82	0.16	50,50,50,50	0
57	MG	1A	3505	1/1	0.82	0.22	66,66,66,66	0
57	MG	2a	3272	1/1	0.82	0.17	65,65,65,65	0
57	MG	1A	4239	1/1	0.83	0.19	64,64,64,64	0
57	MG	2A	3905	1/1	0.83	0.14	32,32,32,32	0
57	MG	1A	4096	1/1	0.83	0.17	48,48,48,48	0
57	MG	1A	4151	1/1	0.83	0.12	50,50,50,50	0
57	MG	2A	3606	1/1	0.83	0.18	54,54,54,54	0
57	MG	1A	3447	1/1	0.83	0.14	60,60,60,60	0
57	MG	1A	4023	1/1	0.83	0.12	37,37,37,37	0
57	MG	2A	3624	1/1	0.83	0.16	41,41,41,41	0
57	MG	2A	3629	1/1	0.83	0.16	49,49,49,49	0
57	MG	1A	3860	1/1	0.83	0.12	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	3030	1/1	0.83	0.15	66,66,66,66	0
57	MG	1a	3041	1/1	0.83	0.28	58,58,58,58	0
57	MG	1a	3248	1/1	0.83	0.20	73,73,73,73	0
57	MG	2A	3672	1/1	0.83	0.21	50,50,50,50	0
57	MG	2A	3259	1/1	0.83	0.29	71,71,71,71	0
57	MG	1a	3074	1/1	0.83	0.17	60,60,60,60	0
57	MG	2a	3066	1/1	0.83	0.14	67,67,67,67	0
57	MG	2a	3068	1/1	0.83	0.15	67,67,67,67	0
57	MG	1A	3977	1/1	0.83	0.14	50,50,50,50	0
57	MG	2A	3310	1/1	0.83	0.13	69,69,69,69	0
57	MG	2a	3110	1/1	0.83	0.17	56,56,56,56	0
57	MG	2A	3733	1/1	0.83	0.14	51,51,51,51	0
57	MG	2A	3736	1/1	0.83	0.16	61,61,61,61	0
57	MG	1A	3580	1/1	0.83	0.13	53,53,53,53	0
57	MG	1A	3604	1/1	0.83	0.11	54,54,54,54	0
57	MG	2A	3354	1/1	0.83	0.23	66,66,66,66	0
57	MG	1a	3141	1/1	0.83	0.24	64,64,64,64	0
57	MG	2A	3785	1/1	0.83	0.21	58,58,58,58	0
57	MG	2A	3356	1/1	0.83	0.14	68,68,68,68	0
57	MG	2A	3388	1/1	0.83	0.34	63,63,63,63	0
57	MG	1A	4082	1/1	0.83	0.16	55,55,55,55	0
57	MG	1A	3330	1/1	0.83	0.17	63,63,63,63	0
57	MG	2A	3865	1/1	0.83	0.13	50,50,50,50	0
57	MG	2A	3441	1/1	0.83	0.16	43,43,43,43	0
57	MG	2A	3456	1/1	0.83	0.28	64,64,64,64	0
57	MG	2A	3886	1/1	0.83	0.11	65,65,65,65	0
57	MG	2a	3276	1/1	0.83	0.22	70,70,70,70	0
57	MG	1A	3349	1/1	0.84	0.11	46,46,46,46	0
57	MG	1a	3027	1/1	0.84	0.25	65,65,65,65	0
57	MG	2A	3941	1/1	0.84	0.19	66,66,66,66	0
57	MG	2A	3636	1/1	0.84	0.10	32,32,32,32	0
57	MG	2A	3964	1/1	0.84	0.13	64,64,64,64	0
57	MG	2a	3003	1/1	0.84	0.14	53,53,53,53	0
57	MG	2A	3289	1/1	0.84	0.12	50,50,50,50	0
57	MG	1A	3986	1/1	0.84	0.11	43,43,43,43	0
57	MG	1A	3995	1/1	0.84	0.11	61,61,61,61	0
57	MG	1A	3996	1/1	0.84	0.09	20,20,20,20	0
57	MG	2A	3328	1/1	0.84	0.15	46,46,46,46	0
57	MG	2A	3329	1/1	0.84	0.18	57,57,57,57	0
57	MG	2A	3715	1/1	0.84	0.15	43,43,43,43	0
57	MG	2A	3353	1/1	0.84	0.14	69,69,69,69	0
57	MG	2a	3056	1/1	0.84	0.18	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3053	1/1	0.84	0.26	66,66,66,66	0
57	MG	2a	3061	1/1	0.84	0.13	73,73,73,73	0
57	MG	1a	3084	1/1	0.84	0.12	64,64,64,64	0
57	MG	1A	3077	1/1	0.84	0.18	62,62,62,62	0
57	MG	2A	3741	1/1	0.84	0.17	54,54,54,54	0
57	MG	2A	3373	1/1	0.84	0.15	57,57,57,57	0
57	MG	1A	3609	1/1	0.84	0.16	56,56,56,56	0
57	MG	2a	3091	1/1	0.84	0.19	69,69,69,69	0
57	MG	2A	3764	1/1	0.84	0.12	67,67,67,67	0
57	MG	1A	3747	1/1	0.84	0.10	55,55,55,55	0
57	MG	1A	3872	1/1	0.84	0.10	58,58,58,58	0
57	MG	1A	3752	1/1	0.84	0.11	39,39,39,39	0
57	MG	1A	3768	1/1	0.84	0.09	53,53,53,53	0
57	MG	2A	3797	1/1	0.84	0.11	58,58,58,58	0
57	MG	2a	3158	1/1	0.84	0.25	66,66,66,66	0
57	MG	2A	3465	1/1	0.84	0.12	53,53,53,53	0
57	MG	2A	3483	1/1	0.84	0.13	60,60,60,60	0
57	MG	2a	3202	1/1	0.84	0.12	62,62,62,62	0
57	MG	1a	3199	1/1	0.84	0.12	68,68,68,68	0
57	MG	2A	3560	1/1	0.84	0.14	60,60,60,60	0
57	MG	1A	3104	1/1	0.84	0.20	53,53,53,53	0
57	MG	2A	3875	1/1	0.84	0.14	65,65,65,65	0
57	MG	1A	3938	1/1	0.84	0.10	14,14,14,14	0
57	MG	1A	3521	1/1	0.84	0.14	57,57,57,57	0
57	MG	2A	3611	1/1	0.84	0.12	41,41,41,41	0
57	MG	1A	3949	1/1	0.84	0.14	53,53,53,53	0
57	MG	1A	3211	1/1	0.84	0.24	48,48,48,48	0
57	MG	2A	3472	1/1	0.85	0.16	61,61,61,61	0
57	MG	1A	3461	1/1	0.85	0.14	51,51,51,51	0
57	MG	1a	3176	1/1	0.85	0.26	59,59,59,59	0
57	MG	2A	3557	1/1	0.85	0.20	60,60,60,60	0
57	MG	2a	3037	1/1	0.85	0.18	75,75,75,75	0
57	MG	1A	4292	1/1	0.85	0.13	57,57,57,57	0
57	MG	2A	3571	1/1	0.85	0.17	58,58,58,58	0
57	MG	2A	3776	1/1	0.85	0.15	62,62,62,62	0
57	MG	2A	3779	1/1	0.85	0.15	57,57,57,57	0
57	MG	1a	3193	1/1	0.85	0.13	57,57,57,57	0
57	MG	1A	3137	1/1	0.85	0.14	61,61,61,61	0
57	MG	2A	3792	1/1	0.85	0.10	37,37,37,37	0
57	MG	2A	3119	1/1	0.85	0.17	50,50,50,50	0
57	MG	2A	3325	1/1	0.85	0.20	54,54,54,54	0
57	MG	1A	3557	1/1	0.85	0.13	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3857	1/1	0.85	0.12	59,59,59,59	0
57	MG	1a	3211	1/1	0.85	0.13	54,54,54,54	0
57	MG	2A	3342	1/1	0.85	0.16	61,61,61,61	0
57	MG	1A	3905	1/1	0.85	0.09	21,21,21,21	0
57	MG	2a	3122	1/1	0.85	0.19	67,67,67,67	0
57	MG	1A	3748	1/1	0.85	0.10	24,24,24,24	0
57	MG	2A	3202	1/1	0.85	0.19	62,62,62,62	0
57	MG	1A	3492	1/1	0.85	0.21	64,64,64,64	0
57	MG	1A	4228	1/1	0.85	0.13	52,52,52,52	0
57	MG	2a	3154	1/1	0.85	0.11	71,71,71,71	0
57	MG	2A	3381	1/1	0.85	0.16	62,62,62,62	0
57	MG	2a	3163	1/1	0.85	0.10	67,67,67,67	0
57	MG	2a	3174	1/1	0.85	0.22	66,66,66,66	0
57	MG	1A	4026	1/1	0.85	0.11	20,20,20,20	0
57	MG	1A	4168	1/1	0.85	0.10	56,56,56,56	0
57	MG	2a	3199	1/1	0.85	0.13	67,67,67,67	0
57	MG	2A	3412	1/1	0.85	0.18	55,55,55,55	0
57	MG	2A	3931	1/1	0.85	0.11	44,44,44,44	0
57	MG	2A	3932	1/1	0.85	0.12	42,42,42,42	0
57	MG	2A	3252	1/1	0.85	0.20	59,59,59,59	0
57	MG	2A	3256	1/1	0.85	0.30	61,61,61,61	0
57	MG	2A	3948	1/1	0.85	0.23	69,69,69,69	0
57	MG	2a	3247	1/1	0.85	0.21	56,56,56,56	0
57	MG	1A	3435	1/1	0.85	0.23	60,60,60,60	0
57	MG	2a	3265	1/1	0.85	0.17	69,69,69,69	0
57	MG	2a	3002	1/1	0.85	0.10	69,69,69,69	0
57	MG	2a	3269	1/1	0.85	0.15	65,65,65,65	0
57	MG	1A	4180	1/1	0.85	0.08	31,31,31,31	0
57	MG	2a	3273	1/1	0.85	0.12	60,60,60,60	0
57	MG	2A	3737	1/1	0.85	0.13	63,63,63,63	0
57	MG	2A	3045	1/1	0.86	0.14	59,59,59,59	0
57	MG	1A	3788	1/1	0.86	0.17	58,58,58,58	0
57	MG	1A	3964	1/1	0.86	0.07	17,17,17,17	0
57	MG	1a	3131	1/1	0.86	0.10	45,45,45,45	0
57	MG	2A	3100	1/1	0.86	0.20	56,56,56,56	0
57	MG	1A	3287	1/1	0.86	0.17	55,55,55,55	0
57	MG	1a	3138	1/1	0.86	0.11	69,69,69,69	0
57	MG	1A	3873	1/1	0.86	0.10	46,46,46,46	0
57	MG	2A	3411	1/1	0.86	0.17	51,51,51,51	0
57	MG	2a	3060	1/1	0.86	0.17	62,62,62,62	0
57	MG	1A	3424	1/1	0.86	0.24	66,66,66,66	0
57	MG	1a	3163	1/1	0.86	0.14	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3759	1/1	0.86	0.06	18,18,18,18	0
57	MG	2A	3447	1/1	0.86	0.18	49,49,49,49	0
57	MG	2A	3196	1/1	0.86	0.23	58,58,58,58	0
57	MG	1A	4126	1/1	0.86	0.12	62,62,62,62	0
57	MG	1A	4266	1/1	0.86	0.12	45,45,45,45	0
57	MG	2a	3105	1/1	0.86	0.14	58,58,58,58	0
57	MG	1a	3182	1/1	0.86	0.12	60,60,60,60	0
57	MG	2A	3486	1/1	0.86	0.14	61,61,61,61	0
57	MG	1A	4141	1/1	0.86	0.11	48,48,48,48	0
57	MG	2A	3533	1/1	0.86	0.14	56,56,56,56	0
57	MG	2A	3542	1/1	0.86	0.13	53,53,53,53	0
57	MG	2A	3235	1/1	0.86	0.22	57,57,57,57	0
57	MG	2a	3151	1/1	0.86	0.23	65,65,65,65	0
57	MG	1a	3196	1/1	0.86	0.09	51,51,51,51	0
57	MG	1A	4275	1/1	0.86	0.14	40,40,40,40	0
57	MG	2A	3582	1/1	0.86	0.23	53,53,53,53	0
57	MG	2A	3877	1/1	0.86	0.11	46,46,46,46	0
57	MG	2a	3166	1/1	0.86	0.10	70,70,70,70	0
57	MG	1A	4143	1/1	0.86	0.09	24,24,24,24	0
57	MG	1A	3906	1/1	0.86	0.10	27,27,27,27	0
57	MG	2a	3184	1/1	0.86	0.29	68,68,68,68	0
57	MG	2A	3893	1/1	0.86	0.10	43,43,43,43	0
57	MG	2a	3191	1/1	0.86	0.10	74,74,74,74	0
57	MG	1A	3822	1/1	0.86	0.06	17,17,17,17	0
57	MG	1A	3843	1/1	0.86	0.11	45,45,45,45	0
57	MG	1A	3844	1/1	0.86	0.11	22,22,22,22	0
57	MG	1a	3028	1/1	0.86	0.17	57,57,57,57	0
57	MG	2a	3222	1/1	0.86	0.13	51,51,51,51	0
57	MG	2A	3298	1/1	0.86	0.17	57,57,57,57	0
57	MG	2A	3307	1/1	0.86	0.29	64,64,64,64	0
57	MG	2a	3234	1/1	0.86	0.15	59,59,59,59	0
57	MG	1a	3032	1/1	0.86	0.27	54,54,54,54	0
57	MG	1A	3941	1/1	0.86	0.11	51,51,51,51	0
57	MG	2a	3260	1/1	0.86	0.17	62,62,62,62	0
57	MG	1a	3251	1/1	0.86	0.17	69,69,69,69	0
57	MG	2A	3657	1/1	0.86	0.12	55,55,55,55	0
57	MG	1a	3069	1/1	0.86	0.20	53,53,53,53	0
57	MG	1A	3652	1/1	0.86	0.13	62,62,62,62	0
57	MG	2A	3699	1/1	0.86	0.11	36,36,36,36	0
57	MG	2A	3008	1/1	0.86	0.14	53,53,53,53	0
57	MG	1A	3601	1/1	0.86	0.24	45,45,45,45	0
57	MG	2A	3728	1/1	0.87	0.18	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	3042	1/1	0.87	0.14	61,61,61,61	0
57	MG	2A	3191	1/1	0.87	0.10	43,43,43,43	0
57	MG	2A	3391	1/1	0.87	0.20	47,47,47,47	0
57	MG	1A	3425	1/1	0.87	0.18	55,55,55,55	0
57	MG	2A	3199	1/1	0.87	0.10	63,63,63,63	0
57	MG	1a	3207	1/1	0.87	0.15	62,62,62,62	0
57	MG	1A	4163	1/1	0.87	0.10	58,58,58,58	0
57	MG	1A	3320	1/1	0.87	0.13	35,35,35,35	0
57	MG	1A	3743	1/1	0.87	0.11	36,36,36,36	0
57	MG	1a	3243	1/1	0.87	0.22	56,56,56,56	0
57	MG	2A	3464	1/1	0.87	0.30	59,59,59,59	0
57	MG	1A	3438	1/1	0.87	0.13	53,53,53,53	0
57	MG	1A	3268	1/1	0.87	0.13	55,55,55,55	0
57	MG	2a	3090	1/1	0.87	0.18	59,59,59,59	0
57	MG	1A	3178	1/1	0.87	0.17	52,52,52,52	0
57	MG	2a	3092	1/1	0.87	0.24	66,66,66,66	0
57	MG	1A	3848	1/1	0.87	0.13	38,38,38,38	0
57	MG	2a	3106	1/1	0.87	0.17	56,56,56,56	0
57	MG	2A	3258	1/1	0.87	0.14	64,64,64,64	0
57	MG	1A	3567	1/1	0.87	0.08	46,46,46,46	0
57	MG	2A	3825	1/1	0.87	0.10	31,31,31,31	0
57	MG	2A	3261	1/1	0.87	0.09	64,64,64,64	0
57	MG	2A	3262	1/1	0.87	0.23	52,52,52,52	0
57	MG	2a	3140	1/1	0.87	0.13	58,58,58,58	0
57	MG	2a	3146	1/1	0.87	0.17	59,59,59,59	0
57	MG	2a	3147	1/1	0.87	0.14	50,50,50,50	0
57	MG	2a	3148	1/1	0.87	0.21	63,63,63,63	0
57	MG	1A	4202	1/1	0.87	0.12	44,44,44,44	0
57	MG	2A	3272	1/1	0.87	0.12	57,57,57,57	0
57	MG	2A	3573	1/1	0.87	0.10	64,64,64,64	0
57	MG	1a	3116	1/1	0.87	0.13	43,43,43,43	0
57	MG	2A	3006	1/1	0.87	0.24	51,51,51,51	0
57	MG	2A	3295	1/1	0.87	0.12	64,64,64,64	0
57	MG	1A	4040	1/1	0.87	0.21	48,48,48,48	0
57	MG	1A	4045	1/1	0.87	0.11	44,44,44,44	0
57	MG	2a	3181	1/1	0.87	0.14	64,64,64,64	0
57	MG	1A	3856	1/1	0.87	0.13	35,35,35,35	0
57	MG	2A	3049	1/1	0.87	0.20	52,52,52,52	0
57	MG	2A	3619	1/1	0.87	0.10	39,39,39,39	0
57	MG	2A	3320	1/1	0.87	0.25	61,61,61,61	0
57	MG	2A	3625	1/1	0.87	0.11	44,44,44,44	0
57	MG	1A	3284	1/1	0.87	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	3862	1/1	0.87	0.22	56,56,56,56	0
57	MG	1A	3980	1/1	0.87	0.10	31,31,31,31	0
57	MG	2A	3647	1/1	0.87	0.13	50,50,50,50	0
57	MG	2a	3231	1/1	0.87	0.14	69,69,69,69	0
57	MG	1A	4264	1/1	0.87	0.13	52,52,52,52	0
57	MG	1A	4090	1/1	0.87	0.10	50,50,50,50	0
57	MG	2A	3351	1/1	0.87	0.12	66,66,66,66	0
57	MG	2A	3668	1/1	0.87	0.16	63,63,63,63	0
57	MG	2a	3236	1/1	0.87	0.21	63,63,63,63	0
57	MG	2A	3116	1/1	0.87	0.16	65,65,65,65	0
57	MG	2a	3248	1/1	0.87	0.16	59,59,59,59	0
57	MG	2a	3250	1/1	0.87	0.10	49,49,49,49	0
57	MG	1A	3599	1/1	0.87	0.24	71,71,71,71	0
57	MG	2a	3261	1/1	0.87	0.14	68,68,68,68	0
57	MG	1A	4120	1/1	0.87	0.12	53,53,53,53	0
57	MG	1A	3987	1/1	0.87	0.10	46,46,46,46	0
57	MG	2a	3267	1/1	0.87	0.20	61,61,61,61	0
57	MG	2a	3021	1/1	0.87	0.11	67,67,67,67	0
57	MG	2a	3026	1/1	0.87	0.41	68,68,68,68	0
57	MG	1A	3247	1/1	0.87	0.19	60,60,60,60	0
57	MG	1A	3314	1/1	0.87	0.16	57,57,57,57	0
57	MG	2a	3031	1/1	0.87	0.14	64,64,64,64	0
57	MG	2A	3690	1/1	0.88	0.11	55,55,55,55	0
57	MG	1a	3058	1/1	0.88	0.17	49,49,49,49	0
57	MG	2a	3045	1/1	0.88	0.26	55,55,55,55	0
57	MG	2A	3214	1/1	0.88	0.09	52,52,52,52	0
57	MG	2a	3054	1/1	0.88	0.18	72,72,72,72	0
57	MG	1a	3063	1/1	0.88	0.10	45,45,45,45	0
57	MG	1a	3068	1/1	0.88	0.26	60,60,60,60	0
57	MG	2A	3400	1/1	0.88	0.15	58,58,58,58	0
57	MG	2A	3409	1/1	0.88	0.18	50,50,50,50	0
57	MG	2A	3730	1/1	0.88	0.11	55,55,55,55	0
57	MG	2A	3410	1/1	0.88	0.10	70,70,70,70	0
57	MG	2A	3222	1/1	0.88	0.11	53,53,53,53	0
57	MG	1A	3052	1/1	0.88	0.17	53,53,53,53	0
57	MG	2A	3417	1/1	0.88	0.10	69,69,69,69	0
57	MG	1A	3660	1/1	0.88	0.08	56,56,56,56	0
57	MG	2A	3426	1/1	0.88	0.12	57,57,57,57	0
57	MG	1A	4210	1/1	0.88	0.11	53,53,53,53	0
57	MG	1A	3730	1/1	0.88	0.08	49,49,49,49	0
57	MG	1A	3876	1/1	0.88	0.12	45,45,45,45	0
57	MG	2A	3458	1/1	0.88	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	3001	1/1	0.88	0.17	44,44,44,44	0
57	MG	1A	3881	1/1	0.88	0.06	20,20,20,20	0
57	MG	1a	3125	1/1	0.88	0.12	54,54,54,54	0
57	MG	2A	3790	1/1	0.88	0.10	50,50,50,50	0
57	MG	2a	3134	1/1	0.88	0.16	55,55,55,55	0
57	MG	2A	3474	1/1	0.88	0.19	51,51,51,51	0
57	MG	1A	3991	1/1	0.88	0.33	50,50,50,50	0
57	MG	2A	3036	1/1	0.88	0.13	51,51,51,51	0
57	MG	2A	3811	1/1	0.88	0.11	51,51,51,51	0
57	MG	2A	3489	1/1	0.88	0.12	57,57,57,57	0
57	MG	2A	3495	1/1	0.88	0.20	62,62,62,62	0
57	MG	1A	3894	1/1	0.88	0.07	23,23,23,23	0
57	MG	2A	3515	1/1	0.88	0.15	63,63,63,63	0
57	MG	1A	4254	1/1	0.88	0.17	37,37,37,37	0
57	MG	2A	3275	1/1	0.88	0.12	48,48,48,48	0
57	MG	2A	3279	1/1	0.88	0.16	67,67,67,67	0
57	MG	2A	3874	1/1	0.88	0.15	55,55,55,55	0
57	MG	2a	3179	1/1	0.88	0.25	55,55,55,55	0
57	MG	1A	4257	1/1	0.88	0.10	60,60,60,60	0
57	MG	1A	3480	1/1	0.88	0.13	53,53,53,53	0
57	MG	1A	3829	1/1	0.88	0.13	30,30,30,30	0
57	MG	2A	3094	1/1	0.88	0.13	59,59,59,59	0
57	MG	1A	3831	1/1	0.88	0.06	22,22,22,22	0
57	MG	1A	3316	1/1	0.88	0.11	47,47,47,47	0
57	MG	2A	3605	1/1	0.88	0.14	48,48,48,48	0
57	MG	2a	3204	1/1	0.88	0.11	65,65,65,65	0
57	MG	2A	3318	1/1	0.88	0.12	69,69,69,69	0
57	MG	2A	3608	1/1	0.88	0.11	44,44,44,44	0
57	MG	1A	4019	1/1	0.88	0.12	43,43,43,43	0
57	MG	1A	3912	1/1	0.88	0.09	51,51,51,51	0
57	MG	1A	3570	1/1	0.88	0.20	52,52,52,52	0
57	MG	2A	3149	1/1	0.88	0.14	66,66,66,66	0
57	MG	1A	4293	1/1	0.88	0.13	56,56,56,56	0
57	MG	2A	3341	1/1	0.88	0.18	66,66,66,66	0
57	MG	2A	3953	1/1	0.88	0.17	69,69,69,69	0
57	MG	2A	3626	1/1	0.88	0.13	40,40,40,40	0
57	MG	1A	3262	1/1	0.88	0.20	56,56,56,56	0
57	MG	1a	3015	1/1	0.88	0.09	47,47,47,47	0
57	MG	2A	3638	1/1	0.88	0.12	34,34,34,34	0
57	MG	1A	3502	1/1	0.88	0.15	64,64,64,64	0
57	MG	1A	3355	1/1	0.88	0.27	64,64,64,64	0
57	MG	2a	3264	1/1	0.88	0.12	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3327	1/1	0.88	0.11	46,46,46,46	0
57	MG	1A	3419	1/1	0.88	0.10	42,42,42,42	0
57	MG	2A	3359	1/1	0.88	0.10	56,56,56,56	0
57	MG	2A	3667	1/1	0.88	0.12	57,57,57,57	0
57	MG	2A	3205	1/1	0.88	0.18	52,52,52,52	0
57	MG	2A	3374	1/1	0.88	0.14	55,55,55,55	0
57	MG	2A	3675	1/1	0.88	0.11	45,45,45,45	0
57	MG	2a	3277	1/1	0.88	0.21	56,56,56,56	0
57	MG	2A	3104	1/1	0.89	0.25	54,54,54,54	0
57	MG	2A	3492	1/1	0.89	0.14	54,54,54,54	0
57	MG	2A	3309	1/1	0.89	0.12	60,60,60,60	0
57	MG	1A	3020	1/1	0.89	0.20	39,39,39,39	0
57	MG	2A	3500	1/1	0.89	0.16	53,53,53,53	0
57	MG	1A	3835	1/1	0.89	0.07	25,25,25,25	0
57	MG	2a	3065	1/1	0.89	0.24	55,55,55,55	0
57	MG	2A	3527	1/1	0.89	0.14	57,57,57,57	0
57	MG	2A	3771	1/1	0.89	0.15	72,72,72,72	0
57	MG	2a	3069	1/1	0.89	0.11	57,57,57,57	0
57	MG	1A	3753	1/1	0.89	0.08	25,25,25,25	0
57	MG	1A	4298	1/1	0.89	0.08	52,52,52,52	0
57	MG	2A	3548	1/1	0.89	0.18	64,64,64,64	0
57	MG	2A	3135	1/1	0.89	0.20	63,63,63,63	0
57	MG	2A	3143	1/1	0.89	0.16	59,59,59,59	0
57	MG	1A	3758	1/1	0.89	0.11	53,53,53,53	0
57	MG	1A	3940	1/1	0.89	0.06	38,38,38,38	0
57	MG	2A	3178	1/1	0.89	0.20	69,69,69,69	0
57	MG	2A	3819	1/1	0.89	0.21	61,61,61,61	0
57	MG	2A	3822	1/1	0.89	0.15	45,45,45,45	0
57	MG	2A	3587	1/1	0.89	0.12	42,42,42,42	0
57	MG	2A	3588	1/1	0.89	0.18	62,62,62,62	0
57	MG	1A	3042	1/1	0.89	0.18	48,48,48,48	0
57	MG	2A	3842	1/1	0.89	0.13	59,59,59,59	0
57	MG	2a	3141	1/1	0.89	0.15	45,45,45,45	0
57	MG	2A	3347	1/1	0.89	0.20	56,56,56,56	0
57	MG	1a	3230	1/1	0.89	0.10	65,65,65,65	0
57	MG	1A	3554	1/1	0.89	0.12	56,56,56,56	0
57	MG	1a	3040	1/1	0.89	0.22	58,58,58,58	0
57	MG	1A	3779	1/1	0.89	0.10	25,25,25,25	0
57	MG	1A	3462	1/1	0.89	0.15	50,50,50,50	0
57	MG	1A	3786	1/1	0.89	0.06	21,21,21,21	0
57	MG	2A	3880	1/1	0.89	0.10	35,35,35,35	0
57	MG	2A	3360	1/1	0.89	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	3885	1/1	0.89	0.09	54,54,54,54	0
57	MG	1A	3230	1/1	0.89	0.09	49,49,49,49	0
57	MG	1A	3792	1/1	0.89	0.13	56,56,56,56	0
57	MG	1A	4223	1/1	0.89	0.08	42,42,42,42	0
57	MG	1A	3799	1/1	0.89	0.08	24,24,24,24	0
57	MG	1A	3365	1/1	0.89	0.09	40,40,40,40	0
57	MG	2A	3919	1/1	0.89	0.11	35,35,35,35	0
57	MG	1A	3732	1/1	0.89	0.23	64,64,64,64	0
57	MG	2A	3641	1/1	0.89	0.11	38,38,38,38	0
57	MG	1A	4244	1/1	0.89	0.06	35,35,35,35	0
57	MG	1A	4097	1/1	0.89	0.15	51,51,51,51	0
57	MG	2A	3933	1/1	0.89	0.13	49,49,49,49	0
57	MG	2A	3937	1/1	0.89	0.13	54,54,54,54	0
57	MG	2A	3016	1/1	0.89	0.17	62,62,62,62	0
57	MG	2A	3651	1/1	0.89	0.10	59,59,59,59	0
57	MG	1A	4101	1/1	0.89	0.09	30,30,30,30	0
57	MG	2A	3034	1/1	0.89	0.12	53,53,53,53	0
57	MG	1A	4255	1/1	0.89	0.11	53,53,53,53	0
57	MG	1A	4110	1/1	0.89	0.15	38,38,38,38	0
57	MG	2A	3048	1/1	0.89	0.18	58,58,58,58	0
57	MG	2a	3238	1/1	0.89	0.12	48,48,48,48	0
57	MG	2a	3245	1/1	0.89	0.18	67,67,67,67	0
57	MG	2A	3430	1/1	0.89	0.25	42,42,42,42	0
57	MG	2A	3684	1/1	0.89	0.12	43,43,43,43	0
57	MG	1A	3269	1/1	0.89	0.11	50,50,50,50	0
57	MG	2a	3259	1/1	0.89	0.09	55,55,55,55	0
57	MG	2A	3697	1/1	0.89	0.11	30,30,30,30	0
57	MG	1A	3411	1/1	0.89	0.09	55,55,55,55	0
57	MG	2A	3060	1/1	0.89	0.36	63,63,63,63	0
57	MG	2a	3029	1/1	0.89	0.13	49,49,49,49	0
57	MG	2A	3457	1/1	0.89	0.12	49,49,49,49	0
57	MG	2a	3266	1/1	0.89	0.20	52,52,52,52	0
57	MG	2A	3274	1/1	0.89	0.12	44,44,44,44	0
57	MG	2A	3065	1/1	0.89	0.13	48,48,48,48	0
57	MG	1A	3825	1/1	0.89	0.07	48,48,48,48	0
57	MG	1A	4003	1/1	0.89	0.11	39,39,39,39	0
57	MG	2A	3291	1/1	0.89	0.18	59,59,59,59	0
57	MG	1A	3440	1/1	0.89	0.12	46,46,46,46	0
57	MG	1A	4159	1/1	0.89	0.11	41,41,41,41	0
57	MG	2A	3005	1/1	0.90	0.20	55,55,55,55	0
57	MG	2A	3940	1/1	0.90	0.20	56,56,56,56	0
57	MG	2A	3277	1/1	0.90	0.22	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3278	1/1	0.90	0.09	60,60,60,60	0
57	MG	1a	3031	1/1	0.90	0.19	49,49,49,49	0
57	MG	2A	3284	1/1	0.90	0.23	50,50,50,50	0
57	MG	1A	3920	1/1	0.90	0.08	31,31,31,31	0
57	MG	1A	3546	1/1	0.90	0.12	59,59,59,59	0
57	MG	1A	3273	1/1	0.90	0.11	63,63,63,63	0
57	MG	2A	3296	1/1	0.90	0.08	63,63,63,63	0
57	MG	2a	3008	1/1	0.90	0.20	58,58,58,58	0
57	MG	1a	3050	1/1	0.90	0.27	56,56,56,56	0
57	MG	2a	3012	1/1	0.90	0.11	51,51,51,51	0
57	MG	2a	3016	1/1	0.90	0.15	58,58,58,58	0
57	MG	2a	3018	1/1	0.90	0.15	54,54,54,54	0
57	MG	1A	4185	1/1	0.90	0.18	46,46,46,46	0
57	MG	1A	4187	1/1	0.90	0.07	42,42,42,42	0
57	MG	2a	3022	1/1	0.90	0.12	56,56,56,56	0
57	MG	2A	3046	1/1	0.90	0.10	46,46,46,46	0
57	MG	1a	3067	1/1	0.90	0.14	55,55,55,55	0
57	MG	2A	3317	1/1	0.90	0.29	70,70,70,70	0
57	MG	1A	4194	1/1	0.90	0.07	36,36,36,36	0
57	MG	1A	4196	1/1	0.90	0.09	42,42,42,42	0
57	MG	2a	3032	1/1	0.90	0.19	74,74,74,74	0
57	MG	2a	3036	1/1	0.90	0.20	61,61,61,61	0
57	MG	1a	3073	1/1	0.90	0.08	45,45,45,45	0
57	MG	2a	3038	1/1	0.90	0.28	67,67,67,67	0
57	MG	2A	3062	1/1	0.90	0.15	50,50,50,50	0
57	MG	1A	3393	1/1	0.90	0.16	36,36,36,36	0
57	MG	2A	3067	1/1	0.90	0.10	56,56,56,56	0
57	MG	2A	3069	1/1	0.90	0.18	51,51,51,51	0
57	MG	2a	3048	1/1	0.90	0.12	53,53,53,53	0
57	MG	1A	3172	1/1	0.90	0.12	51,51,51,51	0
57	MG	2a	3052	1/1	0.90	0.19	53,53,53,53	0
57	MG	2A	3345	1/1	0.90	0.10	66,66,66,66	0
57	MG	1A	3099	1/1	0.90	0.11	56,56,56,56	0
57	MG	1A	4071	1/1	0.90	0.15	46,46,46,46	0
57	MG	1a	3109	1/1	0.90	0.16	55,55,55,55	0
57	MG	1A	4211	1/1	0.90	0.07	36,36,36,36	0
57	MG	2A	3673	1/1	0.90	0.11	55,55,55,55	0
57	MG	1A	3333	1/1	0.90	0.16	53,53,53,53	0
57	MG	2A	3678	1/1	0.90	0.09	58,58,58,58	0
57	MG	1A	4221	1/1	0.90	0.13	41,41,41,41	0
57	MG	2A	3358	1/1	0.90	0.17	61,61,61,61	0
57	MG	1A	4079	1/1	0.90	0.11	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	2A	3125	1/1	0.90	0.26	67,67,67,67	0
57	MG	2a	3083	1/1	0.90	0.23	53,53,53,53	0
57	MG	2A	3364	1/1	0.90	0.11	52,52,52,52	0
57	MG	2A	3368	1/1	0.90	0.15	47,47,47,47	0
57	MG	2A	3714	1/1	0.90	0.09	42,42,42,42	0
57	MG	2a	3093	1/1	0.90	0.10	53,53,53,53	0
57	MG	2a	3094	1/1	0.90	0.10	57,57,57,57	0
57	MG	2a	3097	1/1	0.90	0.20	56,56,56,56	0
57	MG	2A	3369	1/1	0.90	0.10	58,58,58,58	0
57	MG	2A	3717	1/1	0.90	0.31	70,70,70,70	0
57	MG	2a	3108	1/1	0.90	0.17	52,52,52,52	0
57	MG	1A	4224	1/1	0.90	0.08	48,48,48,48	0
57	MG	2a	3111	1/1	0.90	0.11	59,59,59,59	0
57	MG	2A	3727	1/1	0.90	0.11	62,62,62,62	0
57	MG	2a	3118	1/1	0.90	0.09	53,53,53,53	0
57	MG	2a	3121	1/1	0.90	0.18	58,58,58,58	0
57	MG	1A	3334	1/1	0.90	0.10	41,41,41,41	0
57	MG	1A	4084	1/1	0.90	0.07	19,19,19,19	0
57	MG	1a	3157	1/1	0.90	0.08	51,51,51,51	0
57	MG	2A	3154	1/1	0.90	0.15	54,54,54,54	0
57	MG	2a	3138	1/1	0.90	0.12	59,59,59,59	0
57	MG	2A	3734	1/1	0.90	0.07	24,24,24,24	0
57	MG	2A	3392	1/1	0.90	0.15	57,57,57,57	0
57	MG	2A	3156	1/1	0.90	0.20	60,60,60,60	0
57	MG	2A	3163	1/1	0.90	0.13	54,54,54,54	0
57	MG	2A	3742	1/1	0.90	0.12	52,52,52,52	0
57	MG	1a	3158	1/1	0.90	0.09	48,48,48,48	0
57	MG	1A	3761	1/1	0.90	0.07	27,27,27,27	0
57	MG	1A	3851	1/1	0.90	0.10	37,37,37,37	0
57	MG	1a	3168	1/1	0.90	0.08	35,35,35,35	0
57	MG	2A	3413	1/1	0.90	0.21	60,60,60,60	0
57	MG	1a	3170	1/1	0.90	0.23	64,64,64,64	0
57	MG	2a	3164	1/1	0.90	0.10	69,69,69,69	0
57	MG	2a	3165	1/1	0.90	0.12	69,69,69,69	0
57	MG	2A	3192	1/1	0.90	0.22	66,66,66,66	0
57	MG	2a	3168	1/1	0.90	0.16	60,60,60,60	0
57	MG	2a	3172	1/1	0.90	0.16	46,46,46,46	0
57	MG	1a	3171	1/1	0.90	0.14	42,42,42,42	0
57	MG	1A	4246	1/1	0.90	0.08	56,56,56,56	0
57	MG	2A	3435	1/1	0.90	0.21	41,41,41,41	0
57	MG	1A	3068	1/1	0.90	0.21	56,56,56,56	0
57	MG	1A	3600	1/1	0.90	0.13	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3433	1/1	0.90	0.10	36,36,36,36	0
57	MG	2a	3186	1/1	0.90	0.12	70,70,70,70	0
57	MG	1A	3782	1/1	0.90	0.09	62,62,62,62	0
57	MG	2A	3812	1/1	0.90	0.11	49,49,49,49	0
57	MG	1A	4117	1/1	0.90	0.10	59,59,59,59	0
57	MG	1A	3083	1/1	0.90	0.22	58,58,58,58	0
57	MG	2A	3221	1/1	0.90	0.13	50,50,50,50	0
57	MG	1A	4271	1/1	0.90	0.12	48,48,48,48	0
57	MG	2a	3221	1/1	0.90	0.11	53,53,53,53	0
57	MG	1A	3507	1/1	0.90	0.14	52,52,52,52	0
57	MG	2a	3226	1/1	0.90	0.23	64,64,64,64	0
57	MG	2A	3841	1/1	0.90	0.13	63,63,63,63	0
57	MG	2A	3242	1/1	0.90	0.18	64,64,64,64	0
57	MG	2A	3243	1/1	0.90	0.13	57,57,57,57	0
57	MG	2A	3247	1/1	0.90	0.15	49,49,49,49	0
57	MG	1A	4140	1/1	0.90	0.08	43,43,43,43	0
57	MG	2A	3493	1/1	0.90	0.19	61,61,61,61	0
57	MG	1A	3613	1/1	0.90	0.10	40,40,40,40	0
57	MG	2a	3240	1/1	0.90	0.11	56,56,56,56	0
57	MG	2a	3242	1/1	0.90	0.12	42,42,42,42	0
57	MG	1A	3643	1/1	0.90	0.10	45,45,45,45	0
57	MG	1A	3271	1/1	0.90	0.17	49,49,49,49	0
57	MG	2A	3504	1/1	0.90	0.23	48,48,48,48	0
57	MG	2A	3511	1/1	0.90	0.17	48,48,48,48	0
57	MG	2a	3252	1/1	0.90	0.20	61,61,61,61	0
57	MG	2a	3253	1/1	0.90	0.13	59,59,59,59	0
57	MG	1A	4154	1/1	0.90	0.09	31,31,31,31	0
57	MG	1A	3357	1/1	0.90	0.09	47,47,47,47	0
57	MG	2A	3531	1/1	0.90	0.14	66,66,66,66	0
57	MG	1A	3706	1/1	0.90	0.17	51,51,51,51	0
57	MG	1a	3012	1/1	0.90	0.08	45,45,45,45	0
57	MG	2A	3906	1/1	0.90	0.10	33,33,33,33	0
57	MG	1A	4021	1/1	0.90	0.29	34,34,34,34	0
57	MG	2A	3554	1/1	0.90	0.18	65,65,65,65	0
57	MG	2A	3921	1/1	0.90	0.11	60,60,60,60	0
57	MG	2A	3266	1/1	0.90	0.16	47,47,47,47	0
57	MG	2a	3270	1/1	0.90	0.17	61,61,61,61	0
57	MG	1a	3024	1/1	0.90	0.20	54,54,54,54	0
57	MG	1A	3537	1/1	0.90	0.09	60,60,60,60	0
57	MG	1A	3545	1/1	0.90	0.09	46,46,46,46	0
57	MG	2A	3580	1/1	0.90	0.19	53,53,53,53	0
57	MG	1a	3056	1/1	0.91	0.15	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	3560	1/1	0.91	0.12	55,55,55,55	0
57	MG	1A	3883	1/1	0.91	0.09	24,24,24,24	0
57	MG	2A	3576	1/1	0.91	0.09	32,32,32,32	0
57	MG	2A	3578	1/1	0.91	0.14	52,52,52,52	0
57	MG	1A	3890	1/1	0.91	0.09	57,57,57,57	0
57	MG	1A	3696	1/1	0.91	0.08	55,55,55,55	0
57	MG	2A	3952	1/1	0.91	0.12	65,65,65,65	0
57	MG	2A	3585	1/1	0.91	0.12	63,63,63,63	0
57	MG	2A	3961	1/1	0.91	0.15	53,53,53,53	0
57	MG	2A	3299	1/1	0.91	0.16	65,65,65,65	0
57	MG	2A	3305	1/1	0.91	0.13	60,60,60,60	0
57	MG	1A	3698	1/1	0.91	0.08	50,50,50,50	0
57	MG	2A	3054	1/1	0.91	0.09	48,48,48,48	0
57	MG	1A	4030	1/1	0.91	0.08	35,35,35,35	0
57	MG	2a	3009	1/1	0.91	0.23	62,62,62,62	0
57	MG	2A	3311	1/1	0.91	0.14	57,57,57,57	0
57	MG	1A	4033	1/1	0.91	0.10	23,23,23,23	0
57	MG	2A	3316	1/1	0.91	0.08	44,44,44,44	0
57	MG	2a	3017	1/1	0.91	0.14	43,43,43,43	0
57	MG	1a	3076	1/1	0.91	0.20	58,58,58,58	0
57	MG	1A	4203	1/1	0.91	0.08	16,16,16,16	0
57	MG	1A	3903	1/1	0.91	0.07	23,23,23,23	0
57	MG	1a	3092	1/1	0.91	0.28	46,46,46,46	0
57	MG	2a	3023	1/1	0.91	0.23	69,69,69,69	0
57	MG	1A	4044	1/1	0.91	0.10	53,53,53,53	0
57	MG	1a	3098	1/1	0.91	0.11	46,46,46,46	0
57	MG	2a	3028	1/1	0.91	0.11	55,55,55,55	0
57	MG	2A	3099	1/1	0.91	0.21	55,55,55,55	0
57	MG	2A	3331	1/1	0.91	0.12	58,58,58,58	0
57	MG	2A	3332	1/1	0.91	0.12	60,60,60,60	0
57	MG	2A	3338	1/1	0.91	0.13	58,58,58,58	0
57	MG	1A	3795	1/1	0.91	0.10	35,35,35,35	0
57	MG	2A	3644	1/1	0.91	0.09	37,37,37,37	0
57	MG	1A	4055	1/1	0.91	0.21	35,35,35,35	0
57	MG	2a	3041	1/1	0.91	0.18	50,50,50,50	0
57	MG	1A	3797	1/1	0.91	0.17	36,36,36,36	0
57	MG	2A	3109	1/1	0.91	0.15	61,61,61,61	0
57	MG	1A	3444	1/1	0.91	0.13	56,56,56,56	0
57	MG	1a	3132	1/1	0.91	0.17	53,53,53,53	0
57	MG	2a	3046	1/1	0.91	0.24	59,59,59,59	0
57	MG	1A	3801	1/1	0.91	0.07	17,17,17,17	0
57	MG	1A	4077	1/1	0.91	0.08	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3708	1/1	0.91	0.11	42,42,42,42	0
57	MG	1a	3142	1/1	0.91	0.14	54,54,54,54	0
57	MG	2A	3148	1/1	0.91	0.13	49,49,49,49	0
57	MG	1A	3922	1/1	0.91	0.12	44,44,44,44	0
57	MG	2A	3681	1/1	0.91	0.07	28,28,28,28	0
57	MG	2A	3683	1/1	0.91	0.11	36,36,36,36	0
57	MG	1a	3151	1/1	0.91	0.25	71,71,71,71	0
57	MG	2A	3687	1/1	0.91	0.11	41,41,41,41	0
57	MG	2A	3367	1/1	0.91	0.11	58,58,58,58	0
57	MG	2A	3693	1/1	0.91	0.14	50,50,50,50	0
57	MG	1A	3929	1/1	0.91	0.07	30,30,30,30	0
57	MG	1A	3725	1/1	0.91	0.26	38,38,38,38	0
57	MG	2a	3072	1/1	0.91	0.17	54,54,54,54	0
57	MG	2A	3700	1/1	0.91	0.07	51,51,51,51	0
57	MG	2a	3081	1/1	0.91	0.32	64,64,64,64	0
57	MG	2A	3165	1/1	0.91	0.17	59,59,59,59	0
57	MG	2a	3086	1/1	0.91	0.14	60,60,60,60	0
57	MG	2a	3087	1/1	0.91	0.12	54,54,54,54	0
57	MG	2A	3168	1/1	0.91	0.13	50,50,50,50	0
57	MG	1A	4249	1/1	0.91	0.17	53,53,53,53	0
57	MG	2A	3385	1/1	0.91	0.08	61,61,61,61	0
57	MG	1a	3164	1/1	0.91	0.13	59,59,59,59	0
57	MG	2A	3721	1/1	0.91	0.26	65,65,65,65	0
57	MG	2A	3723	1/1	0.91	0.09	65,65,65,65	0
57	MG	2a	3101	1/1	0.91	0.17	57,57,57,57	0
57	MG	1a	3165	1/1	0.91	0.07	47,47,47,47	0
57	MG	1A	4086	1/1	0.91	0.14	70,70,70,70	0
57	MG	1A	3092	1/1	0.91	0.08	43,43,43,43	0
57	MG	1A	3234	1/1	0.91	0.14	36,36,36,36	0
57	MG	2A	3407	1/1	0.91	0.10	55,55,55,55	0
57	MG	2A	3408	1/1	0.91	0.14	57,57,57,57	0
57	MG	1A	3823	1/1	0.91	0.09	43,43,43,43	0
57	MG	1A	4100	1/1	0.91	0.07	36,36,36,36	0
57	MG	1A	3739	1/1	0.91	0.09	42,42,42,42	0
57	MG	2A	3738	1/1	0.91	0.10	56,56,56,56	0
57	MG	2a	3129	1/1	0.91	0.17	61,61,61,61	0
57	MG	2A	3740	1/1	0.91	0.12	53,53,53,53	0
57	MG	1A	3742	1/1	0.91	0.08	36,36,36,36	0
57	MG	1A	3520	1/1	0.91	0.18	47,47,47,47	0
57	MG	2A	3747	1/1	0.91	0.12	58,58,58,58	0
57	MG	1A	3744	1/1	0.91	0.09	32,32,32,32	0
57	MG	2A	3750	1/1	0.91	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	2A	3419	1/1	0.91	0.12	58,58,58,58	0
57	MG	2A	3754	1/1	0.91	0.18	46,46,46,46	0
57	MG	2A	3758	1/1	0.91	0.14	60,60,60,60	0
57	MG	2A	3759	1/1	0.91	0.09	40,40,40,40	0
57	MG	2A	3761	1/1	0.91	0.17	37,37,37,37	0
57	MG	1A	3586	1/1	0.91	0.09	52,52,52,52	0
57	MG	1a	3203	1/1	0.91	0.09	50,50,50,50	0
57	MG	2A	3768	1/1	0.91	0.15	57,57,57,57	0
57	MG	1A	3001	1/1	0.91	0.06	31,31,31,31	0
57	MG	1A	4282	1/1	0.91	0.12	27,27,27,27	0
57	MG	2A	3224	1/1	0.91	0.15	51,51,51,51	0
57	MG	2A	3445	1/1	0.91	0.19	55,55,55,55	0
57	MG	2A	3780	1/1	0.91	0.13	47,47,47,47	0
57	MG	2A	3233	1/1	0.91	0.11	54,54,54,54	0
57	MG	2a	3178	1/1	0.91	0.09	43,43,43,43	0
57	MG	2A	3450	1/1	0.91	0.13	47,47,47,47	0
57	MG	2a	3180	1/1	0.91	0.07	60,60,60,60	0
57	MG	2A	3234	1/1	0.91	0.18	51,51,51,51	0
57	MG	1A	3526	1/1	0.91	0.15	50,50,50,50	0
57	MG	1a	3227	1/1	0.91	0.16	60,60,60,60	0
57	MG	2A	3463	1/1	0.91	0.25	49,49,49,49	0
57	MG	1A	3534	1/1	0.91	0.07	42,42,42,42	0
57	MG	2A	3815	1/1	0.91	0.09	51,51,51,51	0
57	MG	2A	3244	1/1	0.91	0.15	66,66,66,66	0
57	MG	1A	4150	1/1	0.91	0.13	77,77,77,77	0
57	MG	1A	3467	1/1	0.91	0.25	53,53,53,53	0
57	MG	2a	3214	1/1	0.91	0.10	71,71,71,71	0
57	MG	2A	3826	1/1	0.91	0.13	49,49,49,49	0
57	MG	2A	3827	1/1	0.91	0.28	37,37,37,37	0
57	MG	2A	3828	1/1	0.91	0.06	30,30,30,30	0
57	MG	2A	3478	1/1	0.91	0.13	36,36,36,36	0
57	MG	1a	3004	1/1	0.91	0.08	50,50,50,50	0
57	MG	1a	3009	1/1	0.91	0.25	47,47,47,47	0
57	MG	1A	3201	1/1	0.91	0.09	44,44,44,44	0
57	MG	2A	3845	1/1	0.91	0.08	52,52,52,52	0
57	MG	1A	3853	1/1	0.91	0.14	59,59,59,59	0
57	MG	2A	3861	1/1	0.91	0.09	56,56,56,56	0
57	MG	1a	3020	1/1	0.91	0.13	49,49,49,49	0
57	MG	1A	3610	1/1	0.91	0.13	48,48,48,48	0
57	MG	1A	3266	1/1	0.91	0.09	51,51,51,51	0
57	MG	1A	3777	1/1	0.91	0.09	35,35,35,35	0
57	MG	1a	3030	1/1	0.91	0.11	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	3505	1/1	0.91	0.13	50,50,50,50	0
57	MG	2A	3509	1/1	0.91	0.09	62,62,62,62	0
57	MG	2A	3270	1/1	0.91	0.10	48,48,48,48	0
57	MG	1A	4171	1/1	0.91	0.09	49,49,49,49	0
57	MG	2A	3517	1/1	0.91	0.12	49,49,49,49	0
57	MG	2a	3256	1/1	0.91	0.10	62,62,62,62	0
57	MG	2A	3522	1/1	0.91	0.07	41,41,41,41	0
57	MG	2A	3894	1/1	0.91	0.07	29,29,29,29	0
57	MG	1A	3631	1/1	0.91	0.14	39,39,39,39	0
57	MG	1A	3166	1/1	0.91	0.08	39,39,39,39	0
57	MG	1A	4181	1/1	0.91	0.08	46,46,46,46	0
57	MG	2A	3911	1/1	0.91	0.11	61,61,61,61	0
57	MG	2A	3030	1/1	0.91	0.18	54,54,54,54	0
57	MG	2A	3032	1/1	0.91	0.12	59,59,59,59	0
57	MG	2A	3550	1/1	0.91	0.14	45,45,45,45	0
57	MG	2A	3922	1/1	0.91	0.14	58,58,58,58	0
57	MG	1a	3048	1/1	0.91	0.08	51,51,51,51	0
57	MG	1A	3218	1/1	0.91	0.09	43,43,43,43	0
57	MG	2A	3929	1/1	0.91	0.12	56,56,56,56	0
57	MG	2A	3930	1/1	0.91	0.06	30,30,30,30	0
57	MG	2A	3558	1/1	0.91	0.25	67,67,67,67	0
57	MG	2a	3281	1/1	0.91	0.20	59,59,59,59	0
57	MG	1A	4272	1/1	0.92	0.07	41,41,41,41	0
57	MG	2A	3541	1/1	0.92	0.25	67,67,67,67	0
57	MG	1A	3937	1/1	0.92	0.13	22,22,22,22	0
57	MG	2A	3546	1/1	0.92	0.08	61,61,61,61	0
57	MG	2A	3918	1/1	0.92	0.08	56,56,56,56	0
57	MG	1A	3457	1/1	0.92	0.09	43,43,43,43	0
57	MG	1A	4276	1/1	0.92	0.12	40,40,40,40	0
57	MG	1a	3232	1/1	0.92	0.08	39,39,39,39	0
57	MG	1A	3263	1/1	0.92	0.14	49,49,49,49	0
57	MG	1A	3422	1/1	0.92	0.14	63,63,63,63	0
57	MG	2A	3267	1/1	0.92	0.09	44,44,44,44	0
57	MG	1A	3735	1/1	0.92	0.14	48,48,48,48	0
57	MG	2A	3572	1/1	0.92	0.09	46,46,46,46	0
57	MG	1A	4103	1/1	0.92	0.07	24,24,24,24	0
57	MG	2A	3575	1/1	0.92	0.13	64,64,64,64	0
57	MG	2A	3935	1/1	0.92	0.11	50,50,50,50	0
57	MG	1A	4105	1/1	0.92	0.28	38,38,38,38	0
57	MG	2A	3577	1/1	0.92	0.25	63,63,63,63	0
57	MG	1A	3828	1/1	0.92	0.07	27,27,27,27	0
57	MG	1A	4297	1/1	0.92	0.17	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	3250	1/1	0.92	0.13	65,65,65,65	0
57	MG	1A	4112	1/1	0.92	0.09	47,47,47,47	0
57	MG	1A	3171	1/1	0.92	0.14	41,41,41,41	0
57	MG	1a	3007	1/1	0.92	0.21	49,49,49,49	0
57	MG	1A	3478	1/1	0.92	0.10	46,46,46,46	0
57	MG	2A	3596	1/1	0.92	0.07	40,40,40,40	0
57	MG	2A	3597	1/1	0.92	0.10	31,31,31,31	0
57	MG	2a	3004	1/1	0.92	0.12	51,51,51,51	0
57	MG	2A	3003	1/1	0.92	0.28	54,54,54,54	0
57	MG	2A	3601	1/1	0.92	0.09	46,46,46,46	0
57	MG	1A	3976	1/1	0.92	0.08	25,25,25,25	0
57	MG	2a	3010	1/1	0.92	0.14	64,64,64,64	0
57	MG	1A	4132	1/1	0.92	0.08	26,26,26,26	0
57	MG	1A	4136	1/1	0.92	0.09	42,42,42,42	0
57	MG	2A	3010	1/1	0.92	0.11	48,48,48,48	0
57	MG	2A	3613	1/1	0.92	0.10	32,32,32,32	0
57	MG	2A	3300	1/1	0.92	0.11	58,58,58,58	0
57	MG	2A	3301	1/1	0.92	0.30	60,60,60,60	0
57	MG	1a	3022	1/1	0.92	0.20	58,58,58,58	0
57	MG	2A	3623	1/1	0.92	0.08	63,63,63,63	0
57	MG	2A	3023	1/1	0.92	0.23	63,63,63,63	0
57	MG	2A	3026	1/1	0.92	0.08	46,46,46,46	0
57	MG	1A	4137	1/1	0.92	0.20	37,37,37,37	0
57	MG	1A	3282	1/1	0.92	0.19	53,53,53,53	0
57	MG	1A	3431	1/1	0.92	0.09	44,44,44,44	0
57	MG	1a	3029	1/1	0.92	0.12	47,47,47,47	0
57	MG	1A	3982	1/1	0.92	0.12	50,50,50,50	0
57	MG	2A	3642	1/1	0.92	0.08	68,68,68,68	0
57	MG	1A	4147	1/1	0.92	0.07	29,29,29,29	0
57	MG	1A	3984	1/1	0.92	0.09	64,64,64,64	0
57	MG	1A	3484	1/1	0.92	0.11	45,45,45,45	0
57	MG	1A	3487	1/1	0.92	0.10	56,56,56,56	0
57	MG	2A	3327	1/1	0.92	0.11	58,58,58,58	0
57	MG	2A	3652	1/1	0.92	0.12	48,48,48,48	0
57	MG	1A	3432	1/1	0.92	0.08	33,33,33,33	0
57	MG	1A	3493	1/1	0.92	0.09	44,44,44,44	0
57	MG	1A	4166	1/1	0.92	0.13	48,48,48,48	0
57	MG	2a	3047	1/1	0.92	0.23	50,50,50,50	0
57	MG	2A	3061	1/1	0.92	0.14	57,57,57,57	0
57	MG	2a	3049	1/1	0.92	0.11	53,53,53,53	0
57	MG	2A	3671	1/1	0.92	0.12	57,57,57,57	0
57	MG	2a	3051	1/1	0.92	0.22	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3500	1/1	0.92	0.09	54,54,54,54	0
57	MG	1A	3359	1/1	0.92	0.10	48,48,48,48	0
57	MG	2A	3066	1/1	0.92	0.10	55,55,55,55	0
57	MG	1a	3066	1/1	0.92	0.15	51,51,51,51	0
57	MG	1A	3606	1/1	0.92	0.25	59,59,59,59	0
57	MG	2A	3070	1/1	0.92	0.17	63,63,63,63	0
57	MG	1A	3857	1/1	0.92	0.09	45,45,45,45	0
57	MG	2A	3685	1/1	0.92	0.17	39,39,39,39	0
57	MG	2A	3084	1/1	0.92	0.12	52,52,52,52	0
57	MG	2a	3067	1/1	0.92	0.08	54,54,54,54	0
57	MG	2A	3087	1/1	0.92	0.11	47,47,47,47	0
57	MG	1A	4178	1/1	0.92	0.10	43,43,43,43	0
57	MG	2A	3357	1/1	0.92	0.10	56,56,56,56	0
57	MG	1a	3070	1/1	0.92	0.10	46,46,46,46	0
57	MG	1A	4007	1/1	0.92	0.10	54,54,54,54	0
57	MG	2A	3703	1/1	0.92	0.11	34,34,34,34	0
57	MG	2A	3708	1/1	0.92	0.12	38,38,38,38	0
57	MG	2A	3709	1/1	0.92	0.16	60,60,60,60	0
57	MG	1A	3765	1/1	0.92	0.05	17,17,17,17	0
57	MG	2A	3363	1/1	0.92	0.25	44,44,44,44	0
57	MG	1A	4012	1/1	0.92	0.12	31,31,31,31	0
57	MG	1A	4013	1/1	0.92	0.23	39,39,39,39	0
57	MG	1A	4014	1/1	0.92	0.05	29,29,29,29	0
57	MG	1A	4186	1/1	0.92	0.09	55,55,55,55	0
57	MG	2a	3096	1/1	0.92	0.18	48,48,48,48	0
57	MG	2A	3370	1/1	0.92	0.09	52,52,52,52	0
57	MG	2A	3371	1/1	0.92	0.10	49,49,49,49	0
57	MG	2a	3104	1/1	0.92	0.14	41,41,41,41	0
57	MG	2A	3726	1/1	0.92	0.08	57,57,57,57	0
57	MG	1A	3361	1/1	0.92	0.24	36,36,36,36	0
57	MG	2A	3122	1/1	0.92	0.16	46,46,46,46	0
57	MG	1A	4189	1/1	0.92	0.09	26,26,26,26	0
57	MG	2A	3384	1/1	0.92	0.13	52,52,52,52	0
57	MG	1a	3100	1/1	0.92	0.14	53,53,53,53	0
57	MG	2A	3132	1/1	0.92	0.20	61,61,61,61	0
57	MG	1a	3102	1/1	0.92	0.17	54,54,54,54	0
57	MG	1A	3865	1/1	0.92	0.11	54,54,54,54	0
57	MG	2a	3126	1/1	0.92	0.14	66,66,66,66	0
57	MG	1A	3776	1/1	0.92	0.08	36,36,36,36	0
57	MG	1a	3117	1/1	0.92	0.15	55,55,55,55	0
57	MG	2A	3401	1/1	0.92	0.08	54,54,54,54	0
57	MG	2A	3150	1/1	0.92	0.17	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	2a	3135	1/1	0.92	0.07	65,65,65,65	0
57	MG	2A	3745	1/1	0.92	0.10	54,54,54,54	0
57	MG	1a	3120	1/1	0.92	0.21	53,53,53,53	0
57	MG	1A	3195	1/1	0.92	0.15	46,46,46,46	0
57	MG	2A	3749	1/1	0.92	0.08	46,46,46,46	0
57	MG	1A	3778	1/1	0.92	0.10	49,49,49,49	0
57	MG	2A	3752	1/1	0.92	0.08	44,44,44,44	0
57	MG	1A	3212	1/1	0.92	0.05	27,27,27,27	0
57	MG	1A	3295	1/1	0.92	0.16	39,39,39,39	0
57	MG	2A	3175	1/1	0.92	0.11	56,56,56,56	0
57	MG	1a	3136	1/1	0.92	0.14	52,52,52,52	0
57	MG	2A	3760	1/1	0.92	0.08	44,44,44,44	0
57	MG	2a	3161	1/1	0.92	0.11	62,62,62,62	0
57	MG	1a	3137	1/1	0.92	0.15	64,64,64,64	0
57	MG	2A	3763	1/1	0.92	0.11	33,33,33,33	0
57	MG	2A	3421	1/1	0.92	0.06	46,46,46,46	0
57	MG	1A	3197	1/1	0.92	0.11	54,54,54,54	0
57	MG	2A	3186	1/1	0.92	0.07	50,50,50,50	0
57	MG	2A	3429	1/1	0.92	0.24	55,55,55,55	0
57	MG	1A	3525	1/1	0.92	0.09	41,41,41,41	0
57	MG	2A	3772	1/1	0.92	0.10	55,55,55,55	0
57	MG	2A	3775	1/1	0.92	0.10	26,26,26,26	0
57	MG	1A	3896	1/1	0.92	0.15	42,42,42,42	0
57	MG	2A	3778	1/1	0.92	0.20	63,63,63,63	0
57	MG	2A	3438	1/1	0.92	0.22	51,51,51,51	0
57	MG	1A	3445	1/1	0.92	0.09	52,52,52,52	0
57	MG	1A	3661	1/1	0.92	0.17	41,41,41,41	0
57	MG	2A	3787	1/1	0.92	0.11	59,59,59,59	0
57	MG	2A	3197	1/1	0.92	0.14	52,52,52,52	0
57	MG	1A	4047	1/1	0.92	0.11	37,37,37,37	0
57	MG	1A	4052	1/1	0.92	0.09	39,39,39,39	0
57	MG	2A	3796	1/1	0.92	0.07	38,38,38,38	0
57	MG	2a	3205	1/1	0.92	0.09	42,42,42,42	0
57	MG	2a	3213	1/1	0.92	0.09	73,73,73,73	0
57	MG	2A	3204	1/1	0.92	0.12	44,44,44,44	0
57	MG	2A	3801	1/1	0.92	0.17	44,44,44,44	0
57	MG	2A	3809	1/1	0.92	0.07	44,44,44,44	0
57	MG	2a	3220	1/1	0.92	0.22	55,55,55,55	0
57	MG	2A	3810	1/1	0.92	0.09	50,50,50,50	0
57	MG	1a	3162	1/1	0.92	0.08	51,51,51,51	0
57	MG	1A	3674	1/1	0.92	0.15	34,34,34,34	0
57	MG	2a	3229	1/1	0.92	0.10	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3813	1/1	0.92	0.08	63,63,63,63	0
57	MG	2A	3210	1/1	0.92	0.09	62,62,62,62	0
57	MG	2A	3213	1/1	0.92	0.07	55,55,55,55	0
57	MG	2A	3466	1/1	0.92	0.16	40,40,40,40	0
57	MG	2A	3470	1/1	0.92	0.16	46,46,46,46	0
57	MG	1A	4061	1/1	0.92	0.09	41,41,41,41	0
57	MG	1A	4065	1/1	0.92	0.09	42,42,42,42	0
57	MG	1A	3684	1/1	0.92	0.16	49,49,49,49	0
57	MG	1A	3527	1/1	0.92	0.09	41,41,41,41	0
57	MG	2a	3244	1/1	0.92	0.10	56,56,56,56	0
57	MG	1A	3446	1/1	0.92	0.08	34,34,34,34	0
57	MG	2A	3488	1/1	0.92	0.11	72,72,72,72	0
57	MG	1A	3417	1/1	0.92	0.16	25,25,25,25	0
57	MG	2A	3490	1/1	0.92	0.19	59,59,59,59	0
57	MG	2A	3851	1/1	0.92	0.07	44,44,44,44	0
57	MG	2A	3230	1/1	0.92	0.27	64,64,64,64	0
57	MG	1a	3175	1/1	0.92	0.09	57,57,57,57	0
57	MG	1A	3809	1/1	0.92	0.07	32,32,32,32	0
57	MG	2A	3864	1/1	0.92	0.11	64,64,64,64	0
57	MG	1A	3924	1/1	0.92	0.07	41,41,41,41	0
57	MG	2A	3238	1/1	0.92	0.36	46,46,46,46	0
57	MG	1A	4258	1/1	0.92	0.09	42,42,42,42	0
57	MG	1A	3814	1/1	0.92	0.09	21,21,21,21	0
57	MG	1A	3451	1/1	0.92	0.14	51,51,51,51	0
57	MG	2A	3510	1/1	0.92	0.19	52,52,52,52	0
57	MG	1A	4267	1/1	0.92	0.13	60,60,60,60	0
57	MG	1a	3200	1/1	0.92	0.07	52,52,52,52	0
57	MG	1A	4268	1/1	0.92	0.09	53,53,53,53	0
57	MG	2A	3887	1/1	0.92	0.12	38,38,38,38	0
57	MG	2A	3253	1/1	0.92	0.22	66,66,66,66	0
57	MG	2a	3274	1/1	0.92	0.18	60,60,60,60	0
57	MG	2A	3254	1/1	0.92	0.18	45,45,45,45	0
57	MG	1A	3936	1/1	0.92	0.06	16,16,16,16	0
57	MG	2a	3280	1/1	0.92	0.13	60,60,60,60	0
57	MG	2A	3904	1/1	0.92	0.13	58,58,58,58	0
57	MG	2A	3523	1/1	0.93	0.12	46,46,46,46	0
57	MG	2A	3526	1/1	0.93	0.17	54,54,54,54	0
57	MG	1a	3231	1/1	0.93	0.07	57,57,57,57	0
57	MG	2A	3530	1/1	0.93	0.10	67,67,67,67	0
57	MG	2A	3888	1/1	0.93	0.08	37,37,37,37	0
57	MG	2A	3890	1/1	0.93	0.10	39,39,39,39	0
57	MG	1A	3363	1/1	0.93	0.12	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	3312	1/1	0.93	0.12	42,42,42,42	0
57	MG	2A	3896	1/1	0.93	0.05	38,38,38,38	0
57	MG	2A	3534	1/1	0.93	0.12	43,43,43,43	0
57	MG	2A	3255	1/1	0.93	0.15	60,60,60,60	0
57	MG	1A	3382	1/1	0.93	0.11	62,62,62,62	0
57	MG	2A	3543	1/1	0.93	0.13	47,47,47,47	0
57	MG	1A	3847	1/1	0.93	0.08	24,24,24,24	0
57	MG	1A	3121	1/1	0.93	0.12	41,41,41,41	0
57	MG	1A	3989	1/1	0.93	0.14	46,46,46,46	0
57	MG	1A	3469	1/1	0.93	0.09	44,44,44,44	0
57	MG	2A	3920	1/1	0.93	0.20	53,53,53,53	0
57	MG	1A	4152	1/1	0.93	0.05	17,17,17,17	0
57	MG	1A	3315	1/1	0.93	0.09	45,45,45,45	0
57	MG	1A	3852	1/1	0.93	0.06	47,47,47,47	0
57	MG	2A	3561	1/1	0.93	0.16	62,62,62,62	0
57	MG	2A	3565	1/1	0.93	0.15	33,33,33,33	0
57	MG	1A	3132	1/1	0.93	0.30	36,36,36,36	0
57	MG	1A	4164	1/1	0.93	0.07	57,57,57,57	0
57	MG	1A	3319	1/1	0.93	0.22	43,43,43,43	0
57	MG	2A	3574	1/1	0.93	0.10	52,52,52,52	0
57	MG	1A	3065	1/1	0.93	0.07	34,34,34,34	0
57	MG	1a	3039	1/1	0.93	0.24	47,47,47,47	0
57	MG	1A	3764	1/1	0.93	0.15	50,50,50,50	0
57	MG	1A	3421	1/1	0.93	0.25	30,30,30,30	0
57	MG	1A	4011	1/1	0.93	0.09	31,31,31,31	0
57	MG	2A	3947	1/1	0.93	0.10	45,45,45,45	0
57	MG	2A	3014	1/1	0.93	0.10	35,35,35,35	0
57	MG	2A	3280	1/1	0.93	0.07	59,59,59,59	0
57	MG	1A	3864	1/1	0.93	0.13	60,60,60,60	0
57	MG	2A	3955	1/1	0.93	0.07	61,61,61,61	0
57	MG	2A	3286	1/1	0.93	0.08	48,48,48,48	0
57	MG	2A	3963	1/1	0.93	0.11	46,46,46,46	0
57	MG	1a	3055	1/1	0.93	0.14	51,51,51,51	0
57	MG	2A	3594	1/1	0.93	0.13	57,57,57,57	0
57	MG	1A	3325	1/1	0.93	0.27	46,46,46,46	0
57	MG	1A	3022	1/1	0.93	0.11	40,40,40,40	0
57	MG	2A	3598	1/1	0.93	0.17	53,53,53,53	0
57	MG	2a	3007	1/1	0.93	0.10	51,51,51,51	0
57	MG	1A	3093	1/1	0.93	0.12	42,42,42,42	0
57	MG	1A	3611	1/1	0.93	0.11	57,57,57,57	0
57	MG	1A	3878	1/1	0.93	0.09	50,50,50,50	0
57	MG	1A	3879	1/1	0.93	0.06	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	3038	1/1	0.93	0.11	52,52,52,52	0
57	MG	2A	3302	1/1	0.93	0.10	51,51,51,51	0
57	MG	2A	3304	1/1	0.93	0.10	42,42,42,42	0
57	MG	2A	3614	1/1	0.93	0.07	31,31,31,31	0
57	MG	2A	3043	1/1	0.93	0.10	42,42,42,42	0
57	MG	2A	3306	1/1	0.93	0.12	51,51,51,51	0
57	MG	1A	3501	1/1	0.93	0.13	65,65,65,65	0
57	MG	1A	3614	1/1	0.93	0.10	43,43,43,43	0
57	MG	1A	3887	1/1	0.93	0.06	35,35,35,35	0
57	MG	1A	3624	1/1	0.93	0.20	58,58,58,58	0
57	MG	2A	3051	1/1	0.93	0.12	25,25,25,25	0
57	MG	2A	3627	1/1	0.93	0.07	44,44,44,44	0
57	MG	2A	3628	1/1	0.93	0.07	24,24,24,24	0
57	MG	1a	3075	1/1	0.93	0.18	53,53,53,53	0
57	MG	2A	3632	1/1	0.93	0.07	31,31,31,31	0
57	MG	2a	3035	1/1	0.93	0.08	54,54,54,54	0
57	MG	2A	3633	1/1	0.93	0.10	57,57,57,57	0
57	MG	1A	3426	1/1	0.93	0.23	29,29,29,29	0
57	MG	2A	3055	1/1	0.93	0.12	64,64,64,64	0
57	MG	2a	3040	1/1	0.93	0.21	59,59,59,59	0
57	MG	2A	3640	1/1	0.93	0.09	60,60,60,60	0
57	MG	2A	3057	1/1	0.93	0.17	60,60,60,60	0
57	MG	1A	3053	1/1	0.93	0.08	23,23,23,23	0
57	MG	1A	3898	1/1	0.93	0.06	18,18,18,18	0
57	MG	1a	3085	1/1	0.93	0.08	54,54,54,54	0
57	MG	1a	3088	1/1	0.93	0.25	56,56,56,56	0
57	MG	1A	4205	1/1	0.93	0.09	41,41,41,41	0
57	MG	2A	3330	1/1	0.93	0.08	45,45,45,45	0
57	MG	1a	3094	1/1	0.93	0.29	46,46,46,46	0
57	MG	1A	3789	1/1	0.93	0.09	49,49,49,49	0
57	MG	2A	3337	1/1	0.93	0.10	57,57,57,57	0
57	MG	2A	3665	1/1	0.93	0.10	47,47,47,47	0
57	MG	1a	3097	1/1	0.93	0.14	52,52,52,52	0
57	MG	2a	3055	1/1	0.93	0.14	57,57,57,57	0
57	MG	2A	3074	1/1	0.93	0.07	44,44,44,44	0
57	MG	2a	3057	1/1	0.93	0.24	62,62,62,62	0
57	MG	2A	3082	1/1	0.93	0.08	52,52,52,52	0
57	MG	1A	3081	1/1	0.93	0.06	24,24,24,24	0
57	MG	1A	3508	1/1	0.93	0.08	37,37,37,37	0
57	MG	2A	3085	1/1	0.93	0.22	60,60,60,60	0
57	MG	2a	3064	1/1	0.93	0.09	65,65,65,65	0
57	MG	1A	3337	1/1	0.93	0.21	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	2A	3091	1/1	0.93	0.19	46,46,46,46	0
57	MG	1a	3103	1/1	0.93	0.17	56,56,56,56	0
57	MG	1a	3105	1/1	0.93	0.12	43,43,43,43	0
57	MG	1a	3108	1/1	0.93	0.11	59,59,59,59	0
57	MG	2a	3070	1/1	0.93	0.16	46,46,46,46	0
57	MG	1A	4213	1/1	0.93	0.06	42,42,42,42	0
57	MG	1a	3112	1/1	0.93	0.07	46,46,46,46	0
57	MG	1A	4058	1/1	0.93	0.07	21,21,21,21	0
57	MG	2A	3696	1/1	0.93	0.17	51,51,51,51	0
57	MG	2A	3361	1/1	0.93	0.17	52,52,52,52	0
57	MG	2a	3084	1/1	0.93	0.17	53,53,53,53	0
57	MG	1A	3798	1/1	0.93	0.07	30,30,30,30	0
57	MG	2A	3110	1/1	0.93	0.11	44,44,44,44	0
57	MG	2a	3088	1/1	0.93	0.14	63,63,63,63	0
57	MG	2A	3702	1/1	0.93	0.08	38,38,38,38	0
57	MG	2A	3114	1/1	0.93	0.09	48,48,48,48	0
57	MG	1A	3239	1/1	0.93	0.20	50,50,50,50	0
57	MG	1A	3680	1/1	0.93	0.11	31,31,31,31	0
57	MG	2A	3120	1/1	0.93	0.11	50,50,50,50	0
57	MG	2A	3711	1/1	0.93	0.11	36,36,36,36	0
57	MG	2A	3121	1/1	0.93	0.18	45,45,45,45	0
57	MG	2a	3098	1/1	0.93	0.15	67,67,67,67	0
57	MG	1A	3803	1/1	0.93	0.06	28,28,28,28	0
57	MG	1A	4230	1/1	0.93	0.07	39,39,39,39	0
57	MG	2A	3379	1/1	0.93	0.11	59,59,59,59	0
57	MG	2A	3720	1/1	0.93	0.12	49,49,49,49	0
57	MG	2a	3107	1/1	0.93	0.09	59,59,59,59	0
57	MG	2A	3126	1/1	0.93	0.11	48,48,48,48	0
57	MG	2A	3722	1/1	0.93	0.13	54,54,54,54	0
57	MG	1a	3134	1/1	0.93	0.12	39,39,39,39	0
57	MG	2a	3113	1/1	0.93	0.15	50,50,50,50	0
57	MG	2A	3128	1/1	0.93	0.12	48,48,48,48	0
57	MG	2a	3117	1/1	0.93	0.14	69,69,69,69	0
57	MG	2A	3386	1/1	0.93	0.10	65,65,65,65	0
57	MG	2a	3119	1/1	0.93	0.23	56,56,56,56	0
57	MG	2a	3120	1/1	0.93	0.11	52,52,52,52	0
57	MG	2A	3387	1/1	0.93	0.11	52,52,52,52	0
57	MG	1A	4232	1/1	0.93	0.09	57,57,57,57	0
57	MG	1A	4072	1/1	0.93	0.07	38,38,38,38	0
57	MG	2a	3127	1/1	0.93	0.11	59,59,59,59	0
57	MG	2A	3140	1/1	0.93	0.18	52,52,52,52	0
57	MG	2A	3394	1/1	0.93	0.22	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	3130	1/1	0.93	0.23	47,47,47,47	0
57	MG	1A	4240	1/1	0.93	0.12	39,39,39,39	0
57	MG	2A	3735	1/1	0.93	0.07	46,46,46,46	0
57	MG	2A	3397	1/1	0.93	0.16	41,41,41,41	0
57	MG	2A	3398	1/1	0.93	0.19	54,54,54,54	0
57	MG	2A	3146	1/1	0.93	0.20	38,38,38,38	0
57	MG	1A	3436	1/1	0.93	0.13	36,36,36,36	0
57	MG	2a	3144	1/1	0.93	0.08	64,64,64,64	0
57	MG	1A	3347	1/1	0.93	0.08	26,26,26,26	0
57	MG	1A	3242	1/1	0.93	0.09	33,33,33,33	0
57	MG	1A	3935	1/1	0.93	0.07	10,10,10,10	0
57	MG	1A	3702	1/1	0.93	0.15	54,54,54,54	0
57	MG	2A	3157	1/1	0.93	0.18	51,51,51,51	0
57	MG	2a	3152	1/1	0.93	0.11	55,55,55,55	0
57	MG	1a	3152	1/1	0.93	0.14	47,47,47,47	0
57	MG	1a	3155	1/1	0.93	0.15	45,45,45,45	0
57	MG	1A	3353	1/1	0.93	0.09	36,36,36,36	0
57	MG	2a	3159	1/1	0.93	0.11	48,48,48,48	0
57	MG	2A	3174	1/1	0.93	0.09	61,61,61,61	0
57	MG	1A	3443	1/1	0.93	0.08	50,50,50,50	0
57	MG	1A	3939	1/1	0.93	0.08	28,28,28,28	0
57	MG	1A	4093	1/1	0.93	0.12	44,44,44,44	0
57	MG	1A	3246	1/1	0.93	0.07	31,31,31,31	0
57	MG	1A	3543	1/1	0.93	0.09	48,48,48,48	0
57	MG	2a	3170	1/1	0.93	0.07	44,44,44,44	0
57	MG	2A	3431	1/1	0.93	0.11	35,35,35,35	0
57	MG	1A	4099	1/1	0.93	0.10	48,48,48,48	0
57	MG	2a	3177	1/1	0.93	0.09	53,53,53,53	0
57	MG	2A	3436	1/1	0.93	0.16	46,46,46,46	0
57	MG	2A	3767	1/1	0.93	0.08	43,43,43,43	0
57	MG	1A	3356	1/1	0.93	0.18	54,54,54,54	0
57	MG	1A	3109	1/1	0.93	0.14	45,45,45,45	0
57	MG	2A	3442	1/1	0.93	0.11	45,45,45,45	0
57	MG	2A	3195	1/1	0.93	0.08	57,57,57,57	0
57	MG	2A	3774	1/1	0.93	0.10	55,55,55,55	0
57	MG	1A	3950	1/1	0.93	0.09	46,46,46,46	0
57	MG	2A	3449	1/1	0.93	0.25	38,38,38,38	0
57	MG	2a	3195	1/1	0.93	0.08	57,57,57,57	0
57	MG	1a	3173	1/1	0.93	0.07	44,44,44,44	0
57	MG	2A	3453	1/1	0.93	0.38	50,50,50,50	0
57	MG	2A	3455	1/1	0.93	0.21	51,51,51,51	0
57	MG	2A	3784	1/1	0.93	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	2A	3198	1/1	0.93	0.34	62,62,62,62	0
57	MG	1A	3953	1/1	0.93	0.10	54,54,54,54	0
57	MG	2A	3788	1/1	0.93	0.09	45,45,45,45	0
57	MG	2a	3218	1/1	0.93	0.14	58,58,58,58	0
57	MG	2A	3201	1/1	0.93	0.27	48,48,48,48	0
57	MG	1A	3955	1/1	0.93	0.10	59,59,59,59	0
57	MG	2A	3203	1/1	0.93	0.13	55,55,55,55	0
57	MG	1a	3178	1/1	0.93	0.09	43,43,43,43	0
57	MG	2a	3223	1/1	0.93	0.14	40,40,40,40	0
57	MG	1A	4277	1/1	0.93	0.08	40,40,40,40	0
57	MG	2A	3799	1/1	0.93	0.12	50,50,50,50	0
57	MG	1A	3289	1/1	0.93	0.08	35,35,35,35	0
57	MG	2A	3804	1/1	0.93	0.09	60,60,60,60	0
57	MG	2A	3808	1/1	0.93	0.08	49,49,49,49	0
57	MG	2A	3471	1/1	0.93	0.10	36,36,36,36	0
57	MG	1a	3186	1/1	0.93	0.19	46,46,46,46	0
57	MG	1a	3187	1/1	0.93	0.10	57,57,57,57	0
57	MG	2a	3237	1/1	0.93	0.15	57,57,57,57	0
57	MG	2A	3475	1/1	0.93	0.12	51,51,51,51	0
57	MG	2A	3477	1/1	0.93	0.08	45,45,45,45	0
57	MG	1A	3958	1/1	0.93	0.18	26,26,26,26	0
57	MG	2A	3818	1/1	0.93	0.18	38,38,38,38	0
57	MG	2A	3480	1/1	0.93	0.10	57,57,57,57	0
57	MG	2a	3246	1/1	0.93	0.07	48,48,48,48	0
57	MG	1a	3195	1/1	0.93	0.09	45,45,45,45	0
57	MG	2A	3485	1/1	0.93	0.14	49,49,49,49	0
57	MG	2a	3249	1/1	0.93	0.20	62,62,62,62	0
57	MG	2A	3218	1/1	0.93	0.18	57,57,57,57	0
57	MG	1A	3832	1/1	0.93	0.12	60,60,60,60	0
57	MG	1a	3198	1/1	0.93	0.09	47,47,47,47	0
57	MG	1A	3971	1/1	0.93	0.12	48,48,48,48	0
57	MG	2A	3491	1/1	0.93	0.08	58,58,58,58	0
57	MG	1A	4128	1/1	0.93	0.09	53,53,53,53	0
57	MG	2A	3226	1/1	0.93	0.07	43,43,43,43	0
57	MG	2A	3227	1/1	0.93	0.12	52,52,52,52	0
57	MG	1A	4294	1/1	0.93	0.06	40,40,40,40	0
57	MG	2A	3855	1/1	0.93	0.12	45,45,45,45	0
57	MG	1A	4295	1/1	0.93	0.17	46,46,46,46	0
57	MG	2A	3859	1/1	0.93	0.08	59,59,59,59	0
57	MG	1A	4131	1/1	0.93	0.09	28,28,28,28	0
57	MG	1a	3208	1/1	0.93	0.09	34,34,34,34	0
57	MG	1a	3209	1/1	0.93	0.07	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	1A	3252	1/1	0.93	0.22	29,29,29,29	0
57	MG	1a	3220	1/1	0.93	0.07	63,63,63,63	0
57	MG	1a	3225	1/1	0.93	0.09	63,63,63,63	0
57	MG	1A	3836	1/1	0.93	0.09	25,25,25,25	0
57	MG	2A	3876	1/1	0.93	0.08	55,55,55,55	0
57	MG	2A	3521	1/1	0.93	0.08	51,51,51,51	0
57	MG	1a	3003	1/1	0.93	0.09	61,61,61,61	0
59	ZN	14	501	1/1	0.93	0.11	106,106,106,106	0
57	MG	1a	3153	1/1	0.94	0.14	53,53,53,53	0
57	MG	1a	3154	1/1	0.94	0.16	61,61,61,61	0
57	MG	1A	3988	1/1	0.94	0.08	47,47,47,47	0
57	MG	1A	4199	1/1	0.94	0.09	37,37,37,37	0
57	MG	2A	3494	1/1	0.94	0.10	51,51,51,51	0
57	MG	1A	4200	1/1	0.94	0.08	49,49,49,49	0
57	MG	2A	3884	1/1	0.94	0.06	45,45,45,45	0
57	MG	2A	3211	1/1	0.94	0.09	42,42,42,42	0
57	MG	1A	3490	1/1	0.94	0.26	34,34,34,34	0
57	MG	2A	3501	1/1	0.94	0.07	44,44,44,44	0
57	MG	1A	3990	1/1	0.94	0.11	45,45,45,45	0
57	MG	1A	3150	1/1	0.94	0.06	41,41,41,41	0
57	MG	2A	3506	1/1	0.94	0.16	49,49,49,49	0
57	MG	1A	3994	1/1	0.94	0.07	64,64,64,64	0
57	MG	1A	3324	1/1	0.94	0.20	44,44,44,44	0
57	MG	2A	3897	1/1	0.94	0.08	32,32,32,32	0
57	MG	1a	3167	1/1	0.94	0.12	35,35,35,35	0
57	MG	1A	3634	1/1	0.94	0.16	54,54,54,54	0
57	MG	1A	3636	1/1	0.94	0.06	29,29,29,29	0
57	MG	1A	3494	1/1	0.94	0.08	23,23,23,23	0
57	MG	2A	3909	1/1	0.94	0.13	31,31,31,31	0
57	MG	1A	4217	1/1	0.94	0.14	45,45,45,45	0
57	MG	2A	3912	1/1	0.94	0.07	48,48,48,48	0
57	MG	2A	3228	1/1	0.94	0.11	52,52,52,52	0
57	MG	2A	3229	1/1	0.94	0.12	47,47,47,47	0
57	MG	1A	4219	1/1	0.94	0.07	47,47,47,47	0
57	MG	2A	3231	1/1	0.94	0.09	51,51,51,51	0
57	MG	2A	3232	1/1	0.94	0.34	42,42,42,42	0
57	MG	1A	3644	1/1	0.94	0.07	56,56,56,56	0
57	MG	1A	4222	1/1	0.94	0.09	51,51,51,51	0
57	MG	1A	3646	1/1	0.94	0.14	47,47,47,47	0
57	MG	2A	3927	1/1	0.94	0.20	62,62,62,62	0
57	MG	1A	3165	1/1	0.94	0.12	32,32,32,32	0
57	MG	2A	3241	1/1	0.94	0.14	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3224	1/1	0.94	0.09	56,56,56,56	0
57	MG	1A	3837	1/1	0.94	0.10	25,25,25,25	0
57	MG	1a	3190	1/1	0.94	0.08	54,54,54,54	0
57	MG	2A	3245	1/1	0.94	0.09	50,50,50,50	0
57	MG	2A	3555	1/1	0.94	0.14	46,46,46,46	0
57	MG	1A	4229	1/1	0.94	0.09	58,58,58,58	0
57	MG	2A	3248	1/1	0.94	0.08	40,40,40,40	0
57	MG	1a	3194	1/1	0.94	0.07	43,43,43,43	0
57	MG	1A	3840	1/1	0.94	0.07	23,23,23,23	0
57	MG	1A	4231	1/1	0.94	0.07	37,37,37,37	0
57	MG	1A	3270	1/1	0.94	0.23	57,57,57,57	0
57	MG	1A	3664	1/1	0.94	0.19	40,40,40,40	0
57	MG	1A	3666	1/1	0.94	0.19	27,27,27,27	0
57	MG	2A	3956	1/1	0.94	0.16	46,46,46,46	0
57	MG	2A	3959	1/1	0.94	0.12	49,49,49,49	0
57	MG	2A	3960	1/1	0.94	0.16	37,37,37,37	0
57	MG	1a	3202	1/1	0.94	0.08	55,55,55,55	0
57	MG	2A	3962	1/1	0.94	0.15	47,47,47,47	0
57	MG	1A	4241	1/1	0.94	0.08	47,47,47,47	0
57	MG	1A	3120	1/1	0.94	0.10	31,31,31,31	0
57	MG	1A	3062	1/1	0.94	0.08	34,34,34,34	0
57	MG	1A	3683	1/1	0.94	0.10	42,42,42,42	0
57	MG	2A	3263	1/1	0.94	0.09	49,49,49,49	0
57	MG	1A	3429	1/1	0.94	0.11	38,38,38,38	0
57	MG	1A	3237	1/1	0.94	0.10	31,31,31,31	0
57	MG	2A	3586	1/1	0.94	0.10	50,50,50,50	0
57	MG	1a	3215	1/1	0.94	0.07	54,54,54,54	0
57	MG	2A	3268	1/1	0.94	0.10	49,49,49,49	0
57	MG	2A	3269	1/1	0.94	0.08	45,45,45,45	0
57	MG	1A	3516	1/1	0.94	0.10	40,40,40,40	0
57	MG	2a	3014	1/1	0.94	0.13	58,58,58,58	0
57	MG	1A	4256	1/1	0.94	0.12	34,34,34,34	0
57	MG	1A	3854	1/1	0.94	0.09	10,10,10,10	0
57	MG	1A	4034	1/1	0.94	0.08	33,33,33,33	0
57	MG	2a	3019	1/1	0.94	0.12	51,51,51,51	0
57	MG	1A	4037	1/1	0.94	0.07	16,16,16,16	0
57	MG	1A	4039	1/1	0.94	0.06	34,34,34,34	0
57	MG	1a	3234	1/1	0.94	0.06	49,49,49,49	0
57	MG	1a	3236	1/1	0.94	0.12	65,65,65,65	0
57	MG	1A	3340	1/1	0.94	0.07	46,46,46,46	0
57	MG	2A	3610	1/1	0.94	0.09	48,48,48,48	0
57	MG	2A	3282	1/1	0.94	0.08	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	3238	1/1	0.94	0.14	64,64,64,64	0
57	MG	2A	3285	1/1	0.94	0.07	52,52,52,52	0
57	MG	1a	3240	1/1	0.94	0.08	55,55,55,55	0
57	MG	2A	3288	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	4043	1/1	0.94	0.09	47,47,47,47	0
57	MG	1a	3242	1/1	0.94	0.12	55,55,55,55	0
57	MG	2A	3293	1/1	0.94	0.06	41,41,41,41	0
57	MG	1A	3704	1/1	0.94	0.10	44,44,44,44	0
57	MG	1A	3859	1/1	0.94	0.10	36,36,36,36	0
57	MG	1A	3238	1/1	0.94	0.15	35,35,35,35	0
57	MG	1A	3126	1/1	0.94	0.09	31,31,31,31	0
57	MG	1A	3709	1/1	0.94	0.13	37,37,37,37	0
57	MG	1A	3129	1/1	0.94	0.08	42,42,42,42	0
57	MG	1A	3727	1/1	0.94	0.06	30,30,30,30	0
57	MG	1A	4062	1/1	0.94	0.06	23,23,23,23	0
57	MG	1a	3253	1/1	0.94	0.13	55,55,55,55	0
57	MG	1A	4280	1/1	0.94	0.11	36,36,36,36	0
57	MG	1A	3351	1/1	0.94	0.15	45,45,45,45	0
57	MG	1A	4284	1/1	0.94	0.07	44,44,44,44	0
57	MG	1A	4290	1/1	0.94	0.09	59,59,59,59	0
57	MG	1A	4291	1/1	0.94	0.09	56,56,56,56	0
57	MG	2a	3053	1/1	0.94	0.17	60,60,60,60	0
57	MG	2A	3312	1/1	0.94	0.10	56,56,56,56	0
57	MG	2A	3314	1/1	0.94	0.08	42,42,42,42	0
57	MG	1A	4067	1/1	0.94	0.09	48,48,48,48	0
57	MG	1A	3874	1/1	0.94	0.08	25,25,25,25	0
57	MG	2A	3653	1/1	0.94	0.12	53,53,53,53	0
57	MG	2A	3011	1/1	0.94	0.11	39,39,39,39	0
57	MG	2A	3658	1/1	0.94	0.07	52,52,52,52	0
57	MG	2A	3659	1/1	0.94	0.12	48,48,48,48	0
57	MG	1A	4070	1/1	0.94	0.07	39,39,39,39	0
57	MG	2A	3664	1/1	0.94	0.09	55,55,55,55	0
57	MG	1A	3875	1/1	0.94	0.07	45,45,45,45	0
57	MG	1A	3532	1/1	0.94	0.05	35,35,35,35	0
57	MG	1A	3733	1/1	0.94	0.23	52,52,52,52	0
57	MG	2A	3326	1/1	0.94	0.15	57,57,57,57	0
57	MG	2A	3029	1/1	0.94	0.23	42,42,42,42	0
57	MG	1A	3029	1/1	0.94	0.14	51,51,51,51	0
57	MG	2A	3674	1/1	0.94	0.19	56,56,56,56	0
57	MG	2a	3075	1/1	0.94	0.07	53,53,53,53	0
57	MG	1a	3002	1/1	0.94	0.08	50,50,50,50	0
57	MG	1A	3736	1/1	0.94	0.09	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	3094	1/1	0.94	0.06	33,33,33,33	0
57	MG	2A	3682	1/1	0.94	0.08	23,23,23,23	0
57	MG	1a	3006	1/1	0.94	0.18	47,47,47,47	0
57	MG	2A	3336	1/1	0.94	0.11	55,55,55,55	0
57	MG	1A	3740	1/1	0.94	0.09	38,38,38,38	0
57	MG	1A	3741	1/1	0.94	0.07	24,24,24,24	0
57	MG	2A	3340	1/1	0.94	0.10	48,48,48,48	0
57	MG	2A	3691	1/1	0.94	0.09	36,36,36,36	0
57	MG	1A	3538	1/1	0.94	0.08	33,33,33,33	0
57	MG	2A	3695	1/1	0.94	0.06	37,37,37,37	0
57	MG	1A	3895	1/1	0.94	0.09	49,49,49,49	0
57	MG	2A	3344	1/1	0.94	0.07	34,34,34,34	0
57	MG	1A	3540	1/1	0.94	0.12	53,53,53,53	0
57	MG	2a	3100	1/1	0.94	0.21	44,44,44,44	0
57	MG	1A	4095	1/1	0.94	0.07	45,45,45,45	0
57	MG	2A	3348	1/1	0.94	0.12	44,44,44,44	0
57	MG	1A	3302	1/1	0.94	0.34	29,29,29,29	0
57	MG	2A	3707	1/1	0.94	0.09	39,39,39,39	0
57	MG	1a	3025	1/1	0.94	0.15	38,38,38,38	0
57	MG	1A	3746	1/1	0.94	0.08	23,23,23,23	0
57	MG	1A	4098	1/1	0.94	0.08	41,41,41,41	0
57	MG	2A	3056	1/1	0.94	0.12	53,53,53,53	0
57	MG	2a	3112	1/1	0.94	0.14	54,54,54,54	0
57	MG	1A	3901	1/1	0.94	0.11	20,20,20,20	0
57	MG	2a	3114	1/1	0.94	0.17	55,55,55,55	0
57	MG	1A	3305	1/1	0.94	0.10	27,27,27,27	0
57	MG	1A	3308	1/1	0.94	0.08	51,51,51,51	0
57	MG	1A	4102	1/1	0.94	0.06	42,42,42,42	0
57	MG	1A	3310	1/1	0.94	0.12	45,45,45,45	0
57	MG	1A	4104	1/1	0.94	0.07	55,55,55,55	0
57	MG	1A	3362	1/1	0.94	0.08	43,43,43,43	0
57	MG	1A	4108	1/1	0.94	0.09	50,50,50,50	0
57	MG	2a	3123	1/1	0.94	0.09	54,54,54,54	0
57	MG	2a	3124	1/1	0.94	0.08	55,55,55,55	0
57	MG	2a	3125	1/1	0.94	0.16	66,66,66,66	0
57	MG	1A	4109	1/1	0.94	0.06	18,18,18,18	0
57	MG	2A	3071	1/1	0.94	0.08	46,46,46,46	0
57	MG	1A	3558	1/1	0.94	0.13	66,66,66,66	0
57	MG	2A	3076	1/1	0.94	0.18	52,52,52,52	0
57	MG	2A	3080	1/1	0.94	0.05	39,39,39,39	0
57	MG	2a	3131	1/1	0.94	0.11	43,43,43,43	0
57	MG	1A	3917	1/1	0.94	0.08	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	3732	1/1	0.94	0.12	49,49,49,49	0
57	MG	2A	3376	1/1	0.94	0.12	47,47,47,47	0
57	MG	2a	3137	1/1	0.94	0.05	42,42,42,42	0
57	MG	2A	3377	1/1	0.94	0.12	59,59,59,59	0
57	MG	1A	4113	1/1	0.94	0.11	47,47,47,47	0
57	MG	1a	3059	1/1	0.94	0.09	64,64,64,64	0
57	MG	2A	3382	1/1	0.94	0.21	53,53,53,53	0
57	MG	1a	3062	1/1	0.94	0.17	61,61,61,61	0
57	MG	1A	3918	1/1	0.94	0.05	20,20,20,20	0
57	MG	1A	3559	1/1	0.94	0.09	58,58,58,58	0
57	MG	1A	4122	1/1	0.94	0.07	50,50,50,50	0
57	MG	2A	3743	1/1	0.94	0.09	52,52,52,52	0
57	MG	1A	3450	1/1	0.94	0.11	56,56,56,56	0
57	MG	2A	3095	1/1	0.94	0.13	42,42,42,42	0
57	MG	1A	3249	1/1	0.94	0.08	44,44,44,44	0
57	MG	2a	3157	1/1	0.94	0.14	52,52,52,52	0
57	MG	1A	4129	1/1	0.94	0.08	59,59,59,59	0
57	MG	1a	3072	1/1	0.94	0.07	43,43,43,43	0
57	MG	1A	3925	1/1	0.94	0.07	40,40,40,40	0
57	MG	1A	3455	1/1	0.94	0.14	28,28,28,28	0
57	MG	2A	3399	1/1	0.94	0.08	58,58,58,58	0
57	MG	2A	3755	1/1	0.94	0.16	47,47,47,47	0
57	MG	1A	3198	1/1	0.94	0.06	31,31,31,31	0
57	MG	1A	3772	1/1	0.94	0.10	46,46,46,46	0
57	MG	1a	3078	1/1	0.94	0.18	47,47,47,47	0
57	MG	1A	3573	1/1	0.94	0.20	54,54,54,54	0
57	MG	2A	3762	1/1	0.94	0.07	57,57,57,57	0
57	MG	2a	3176	1/1	0.94	0.24	46,46,46,46	0
57	MG	1A	3575	1/1	0.94	0.18	54,54,54,54	0
57	MG	1A	4142	1/1	0.94	0.07	34,34,34,34	0
57	MG	1A	3375	1/1	0.94	0.08	34,34,34,34	0
57	MG	1A	3581	1/1	0.94	0.09	41,41,41,41	0
57	MG	1A	4148	1/1	0.94	0.05	42,42,42,42	0
57	MG	2A	3769	1/1	0.94	0.11	56,56,56,56	0
57	MG	1A	3585	1/1	0.94	0.06	53,53,53,53	0
57	MG	2A	3418	1/1	0.94	0.07	50,50,50,50	0
57	MG	1A	3256	1/1	0.94	0.07	31,31,31,31	0
57	MG	2a	3190	1/1	0.94	0.06	47,47,47,47	0
57	MG	1A	3592	1/1	0.94	0.15	27,27,27,27	0
57	MG	1a	3099	1/1	0.94	0.16	45,45,45,45	0
57	MG	2A	3136	1/1	0.94	0.08	56,56,56,56	0
57	MG	2a	3200	1/1	0.94	0.06	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3777	1/1	0.94	0.08	41,41,41,41	0
57	MG	1A	3946	1/1	0.94	0.06	29,29,29,29	0
57	MG	1A	3593	1/1	0.94	0.14	44,44,44,44	0
57	MG	2A	3145	1/1	0.94	0.15	48,48,48,48	0
57	MG	2A	3433	1/1	0.94	0.30	39,39,39,39	0
57	MG	1A	4161	1/1	0.94	0.11	42,42,42,42	0
57	MG	1A	3594	1/1	0.94	0.14	21,21,21,21	0
57	MG	2A	3437	1/1	0.94	0.25	46,46,46,46	0
57	MG	1A	3595	1/1	0.94	0.29	35,35,35,35	0
57	MG	1A	3954	1/1	0.94	0.07	46,46,46,46	0
57	MG	1A	3794	1/1	0.94	0.06	35,35,35,35	0
57	MG	2A	3794	1/1	0.94	0.16	57,57,57,57	0
57	MG	1a	3113	1/1	0.94	0.17	52,52,52,52	0
57	MG	2A	3446	1/1	0.94	0.18	44,44,44,44	0
57	MG	1A	3466	1/1	0.94	0.10	36,36,36,36	0
57	MG	2A	3159	1/1	0.94	0.09	52,52,52,52	0
57	MG	2A	3162	1/1	0.94	0.11	47,47,47,47	0
57	MG	1A	3384	1/1	0.94	0.12	55,55,55,55	0
57	MG	2A	3164	1/1	0.94	0.10	56,56,56,56	0
57	MG	1A	3142	1/1	0.94	0.12	28,28,28,28	0
57	MG	1A	3473	1/1	0.94	0.13	37,37,37,37	0
57	MG	1A	3974	1/1	0.94	0.09	54,54,54,54	0
57	MG	2a	3239	1/1	0.94	0.17	53,53,53,53	0
57	MG	2A	3459	1/1	0.94	0.17	44,44,44,44	0
57	MG	2A	3460	1/1	0.94	0.09	59,59,59,59	0
57	MG	2A	3461	1/1	0.94	0.13	37,37,37,37	0
57	MG	1A	3399	1/1	0.94	0.21	51,51,51,51	0
57	MG	1A	3607	1/1	0.94	0.06	36,36,36,36	0
57	MG	1A	3978	1/1	0.94	0.11	53,53,53,53	0
57	MG	2A	3181	1/1	0.94	0.09	56,56,56,56	0
57	MG	2A	3467	1/1	0.94	0.22	41,41,41,41	0
57	MG	1A	4184	1/1	0.94	0.05	21,21,21,21	0
57	MG	2A	3832	1/1	0.94	0.07	50,50,50,50	0
57	MG	1A	3979	1/1	0.94	0.11	48,48,48,48	0
57	MG	2a	3254	1/1	0.94	0.16	40,40,40,40	0
57	MG	2A	3837	1/1	0.94	0.10	49,49,49,49	0
57	MG	2A	3838	1/1	0.94	0.07	37,37,37,37	0
57	MG	2A	3839	1/1	0.94	0.12	34,34,34,34	0
57	MG	1A	3400	1/1	0.94	0.16	45,45,45,45	0
57	MG	2A	3473	1/1	0.94	0.23	46,46,46,46	0
57	MG	2a	3263	1/1	0.94	0.14	64,64,64,64	0
57	MG	1a	3140	1/1	0.94	0.21	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	3843	1/1	0.94	0.07	54,54,54,54	0
57	MG	1A	3808	1/1	0.94	0.09	22,22,22,22	0
57	MG	1A	3317	1/1	0.94	0.10	27,27,27,27	0
57	MG	1a	3143	1/1	0.94	0.20	53,53,53,53	0
57	MG	2A	3479	1/1	0.94	0.18	57,57,57,57	0
57	MG	2A	3858	1/1	0.94	0.14	56,56,56,56	0
57	MG	1A	4190	1/1	0.94	0.11	20,20,20,20	0
57	MG	1a	3149	1/1	0.94	0.19	46,46,46,46	0
57	MG	1a	3150	1/1	0.94	0.10	45,45,45,45	0
57	MG	2A	3200	1/1	0.94	0.08	47,47,47,47	0
57	MG	1A	3408	1/1	0.94	0.07	32,32,32,32	0
57	MG	2a	3278	1/1	0.94	0.08	57,57,57,57	0
57	MG	2A	3866	1/1	0.94	0.13	54,54,54,54	0
57	MG	1A	3145	1/1	0.94	0.13	28,28,28,28	0
58	K	2A	3484	1/1	0.94	0.06	40,40,40,40	0
57	MG	2A	3872	1/1	0.94	0.08	51,51,51,51	0
57	MG	1A	3745	1/1	0.95	0.06	37,37,37,37	0
57	MG	1A	3556	1/1	0.95	0.12	56,56,56,56	0
57	MG	1A	3360	1/1	0.95	0.07	43,43,43,43	0
57	MG	2A	3151	1/1	0.95	0.19	52,52,52,52	0
57	MG	1a	3101	1/1	0.95	0.21	42,42,42,42	0
57	MG	1A	3063	1/1	0.95	0.06	23,23,23,23	0
57	MG	1A	3264	1/1	0.95	0.14	49,49,49,49	0
57	MG	1a	3104	1/1	0.95	0.14	51,51,51,51	0
57	MG	2A	3160	1/1	0.95	0.16	44,44,44,44	0
57	MG	1A	4153	1/1	0.95	0.06	23,23,23,23	0
57	MG	1a	3106	1/1	0.95	0.08	45,45,45,45	0
57	MG	1A	3448	1/1	0.95	0.13	43,43,43,43	0
57	MG	1A	4155	1/1	0.95	0.10	23,23,23,23	0
57	MG	2A	3167	1/1	0.95	0.11	47,47,47,47	0
57	MG	1a	3111	1/1	0.95	0.08	55,55,55,55	0
57	MG	2A	3868	1/1	0.95	0.11	62,62,62,62	0
57	MG	2A	3870	1/1	0.95	0.06	34,34,34,34	0
57	MG	2A	3171	1/1	0.95	0.18	47,47,47,47	0
57	MG	1A	3754	1/1	0.95	0.07	31,31,31,31	0
57	MG	1A	3089	1/1	0.95	0.24	26,26,26,26	0
57	MG	1a	3115	1/1	0.95	0.18	55,55,55,55	0
57	MG	1A	3364	1/1	0.95	0.10	42,42,42,42	0
57	MG	2A	3878	1/1	0.95	0.08	56,56,56,56	0
57	MG	2A	3481	1/1	0.95	0.18	44,44,44,44	0
57	MG	2A	3482	1/1	0.95	0.24	53,53,53,53	0
57	MG	2A	3180	1/1	0.95	0.09	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	1A	3091	1/1	0.95	0.14	34,34,34,34	0
57	MG	1a	3119	1/1	0.95	0.15	48,48,48,48	0
57	MG	2A	3487	1/1	0.95	0.14	54,54,54,54	0
57	MG	1A	3369	1/1	0.95	0.13	46,46,46,46	0
57	MG	2A	3889	1/1	0.95	0.11	46,46,46,46	0
57	MG	2A	3188	1/1	0.95	0.09	42,42,42,42	0
57	MG	2A	3892	1/1	0.95	0.09	46,46,46,46	0
57	MG	2A	3189	1/1	0.95	0.10	32,32,32,32	0
57	MG	1a	3122	1/1	0.95	0.15	53,53,53,53	0
57	MG	2A	3895	1/1	0.95	0.11	36,36,36,36	0
57	MG	1a	3123	1/1	0.95	0.20	48,48,48,48	0
57	MG	1A	3574	1/1	0.95	0.22	51,51,51,51	0
57	MG	2A	3194	1/1	0.95	0.09	49,49,49,49	0
57	MG	2A	3901	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3373	1/1	0.95	0.09	22,22,22,22	0
57	MG	1A	3769	1/1	0.95	0.05	13,13,13,13	0
57	MG	2A	3499	1/1	0.95	0.10	20,20,20,20	0
57	MG	2A	3908	1/1	0.95	0.07	57,57,57,57	0
57	MG	1A	4172	1/1	0.95	0.13	52,52,52,52	0
57	MG	1A	3577	1/1	0.95	0.12	39,39,39,39	0
57	MG	1A	4175	1/1	0.95	0.06	32,32,32,32	0
57	MG	1A	3774	1/1	0.95	0.05	18,18,18,18	0
57	MG	1A	3578	1/1	0.95	0.09	46,46,46,46	0
57	MG	2A	3508	1/1	0.95	0.06	41,41,41,41	0
57	MG	1a	3139	1/1	0.95	0.23	35,35,35,35	0
57	MG	1A	3959	1/1	0.95	0.05	33,33,33,33	0
57	MG	1A	3318	1/1	0.95	0.25	52,52,52,52	0
57	MG	2A	3514	1/1	0.95	0.19	37,37,37,37	0
57	MG	1A	3968	1/1	0.95	0.07	40,40,40,40	0
57	MG	2A	3925	1/1	0.95	0.10	60,60,60,60	0
57	MG	2A	3926	1/1	0.95	0.15	64,64,64,64	0
57	MG	2A	3516	1/1	0.95	0.07	52,52,52,52	0
57	MG	2A	3208	1/1	0.95	0.14	49,49,49,49	0
57	MG	1A	3464	1/1	0.95	0.17	24,24,24,24	0
57	MG	1a	3144	1/1	0.95	0.15	46,46,46,46	0
57	MG	1a	3146	1/1	0.95	0.11	46,46,46,46	0
57	MG	2A	3525	1/1	0.95	0.23	43,43,43,43	0
57	MG	2A	3212	1/1	0.95	0.12	57,57,57,57	0
57	MG	1a	3147	1/1	0.95	0.15	49,49,49,49	0
57	MG	2A	3529	1/1	0.95	0.05	45,45,45,45	0
57	MG	1A	3972	1/1	0.95	0.10	48,48,48,48	0
57	MG	2A	3942	1/1	0.95	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	3582	1/1	0.95	0.08	46,46,46,46	0
57	MG	2A	3945	1/1	0.95	0.12	42,42,42,42	0
57	MG	2A	3532	1/1	0.95	0.10	55,55,55,55	0
57	MG	2A	3217	1/1	0.95	0.11	52,52,52,52	0
57	MG	1A	3584	1/1	0.95	0.08	47,47,47,47	0
57	MG	2A	3536	1/1	0.95	0.25	40,40,40,40	0
57	MG	2A	3954	1/1	0.95	0.10	49,49,49,49	0
57	MG	2A	3537	1/1	0.95	0.13	57,57,57,57	0
57	MG	2A	3538	1/1	0.95	0.10	48,48,48,48	0
57	MG	2A	3539	1/1	0.95	0.08	54,54,54,54	0
57	MG	1A	3376	1/1	0.95	0.11	46,46,46,46	0
57	MG	1A	3378	1/1	0.95	0.06	35,35,35,35	0
57	MG	1A	3380	1/1	0.95	0.07	54,54,54,54	0
57	MG	1A	3472	1/1	0.95	0.12	51,51,51,51	0
57	MG	1A	3981	1/1	0.95	0.08	29,29,29,29	0
57	MG	1a	3156	1/1	0.95	0.06	46,46,46,46	0
57	MG	2A	3552	1/1	0.95	0.10	41,41,41,41	0
57	MG	1A	3051	1/1	0.95	0.06	15,15,15,15	0
57	MG	1A	3477	1/1	0.95	0.07	31,31,31,31	0
57	MG	2A	3556	1/1	0.95	0.13	58,58,58,58	0
57	MG	1A	3383	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3127	1/1	0.95	0.16	38,38,38,38	0
57	MG	1A	4204	1/1	0.95	0.09	43,43,43,43	0
57	MG	1A	3482	1/1	0.95	0.10	33,33,33,33	0
57	MG	1A	3390	1/1	0.95	0.11	49,49,49,49	0
57	MG	2A	3567	1/1	0.95	0.06	57,57,57,57	0
57	MG	2a	3015	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3800	1/1	0.95	0.06	18,18,18,18	0
57	MG	2A	3237	1/1	0.95	0.10	39,39,39,39	0
57	MG	1A	3322	1/1	0.95	0.05	28,28,28,28	0
57	MG	1A	3992	1/1	0.95	0.06	14,14,14,14	0
57	MG	1A	3802	1/1	0.95	0.05	41,41,41,41	0
57	MG	1a	3172	1/1	0.95	0.12	54,54,54,54	0
57	MG	1A	4216	1/1	0.95	0.06	37,37,37,37	0
57	MG	1A	3486	1/1	0.95	0.09	51,51,51,51	0
57	MG	2a	3024	1/1	0.95	0.15	64,64,64,64	0
57	MG	2a	3025	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3323	1/1	0.95	0.09	36,36,36,36	0
57	MG	1A	3806	1/1	0.95	0.04	24,24,24,24	0
57	MG	2A	3584	1/1	0.95	0.06	34,34,34,34	0
57	MG	1A	4001	1/1	0.95	0.15	23,23,23,23	0
57	MG	1A	3002	1/1	0.95	0.07	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	1A	4004	1/1	0.95	0.06	38,38,38,38	0
57	MG	1A	4005	1/1	0.95	0.10	47,47,47,47	0
57	MG	1a	3188	1/1	0.95	0.10	52,52,52,52	0
57	MG	1a	3189	1/1	0.95	0.07	39,39,39,39	0
57	MG	1A	3188	1/1	0.95	0.13	27,27,27,27	0
57	MG	1a	3191	1/1	0.95	0.08	56,56,56,56	0
57	MG	2a	3039	1/1	0.95	0.19	51,51,51,51	0
57	MG	1A	3612	1/1	0.95	0.09	47,47,47,47	0
57	MG	1A	3240	1/1	0.95	0.08	35,35,35,35	0
57	MG	1A	4010	1/1	0.95	0.06	43,43,43,43	0
57	MG	1A	3820	1/1	0.95	0.06	20,20,20,20	0
57	MG	1A	3329	1/1	0.95	0.13	41,41,41,41	0
57	MG	1A	3498	1/1	0.95	0.14	45,45,45,45	0
57	MG	1A	3626	1/1	0.95	0.27	44,44,44,44	0
57	MG	1A	3130	1/1	0.95	0.12	24,24,24,24	0
57	MG	1A	4245	1/1	0.95	0.16	46,46,46,46	0
57	MG	1A	3332	1/1	0.95	0.17	43,43,43,43	0
57	MG	1a	3206	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3283	1/1	0.95	0.11	31,31,31,31	0
57	MG	1A	4250	1/1	0.95	0.17	44,44,44,44	0
57	MG	1A	3830	1/1	0.95	0.06	22,22,22,22	0
57	MG	1A	3638	1/1	0.95	0.13	25,25,25,25	0
57	MG	1A	3640	1/1	0.95	0.07	32,32,32,32	0
57	MG	1a	3217	1/1	0.95	0.10	56,56,56,56	0
57	MG	1A	3503	1/1	0.95	0.09	43,43,43,43	0
57	MG	1a	3224	1/1	0.95	0.07	52,52,52,52	0
57	MG	2a	3059	1/1	0.95	0.13	50,50,50,50	0
57	MG	2A	3283	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3504	1/1	0.95	0.09	40,40,40,40	0
57	MG	1a	3226	1/1	0.95	0.10	68,68,68,68	0
57	MG	1A	3645	1/1	0.95	0.09	55,55,55,55	0
57	MG	1A	4259	1/1	0.95	0.09	39,39,39,39	0
57	MG	1A	3069	1/1	0.95	0.05	27,27,27,27	0
57	MG	1A	4035	1/1	0.95	0.05	27,27,27,27	0
57	MG	1A	3841	1/1	0.95	0.07	23,23,23,23	0
57	MG	1A	4038	1/1	0.95	0.08	50,50,50,50	0
57	MG	1A	3647	1/1	0.95	0.19	45,45,45,45	0
57	MG	2A	3297	1/1	0.95	0.05	51,51,51,51	0
57	MG	1A	3648	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3649	1/1	0.95	0.11	58,58,58,58	0
57	MG	2a	3076	1/1	0.95	0.08	53,53,53,53	0
57	MG	1a	3239	1/1	0.95	0.19	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	1A	4273	1/1	0.95	0.05	30,30,30,30	0
57	MG	2a	3082	1/1	0.95	0.09	49,49,49,49	0
57	MG	1A	3650	1/1	0.95	0.15	43,43,43,43	0
57	MG	2A	3655	1/1	0.95	0.06	36,36,36,36	0
57	MG	2a	3085	1/1	0.95	0.16	56,56,56,56	0
57	MG	1A	3506	1/1	0.95	0.10	44,44,44,44	0
57	MG	2A	3303	1/1	0.95	0.28	58,58,58,58	0
57	MG	1A	3653	1/1	0.95	0.12	43,43,43,43	0
57	MG	1A	3654	1/1	0.95	0.10	45,45,45,45	0
57	MG	2A	3661	1/1	0.95	0.21	41,41,41,41	0
57	MG	1A	4050	1/1	0.95	0.07	30,30,30,30	0
57	MG	1A	3655	1/1	0.95	0.16	23,23,23,23	0
57	MG	1A	4054	1/1	0.95	0.23	36,36,36,36	0
57	MG	2a	3095	1/1	0.95	0.12	49,49,49,49	0
57	MG	1a	3249	1/1	0.95	0.15	59,59,59,59	0
57	MG	1A	3423	1/1	0.95	0.09	37,37,37,37	0
57	MG	1A	3028	1/1	0.95	0.07	39,39,39,39	0
57	MG	2A	3313	1/1	0.95	0.13	43,43,43,43	0
57	MG	1A	4059	1/1	0.95	0.07	29,29,29,29	0
57	MG	1A	4060	1/1	0.95	0.12	37,37,37,37	0
57	MG	2A	3676	1/1	0.95	0.10	56,56,56,56	0
57	MG	2A	3677	1/1	0.95	0.11	36,36,36,36	0
57	MG	1A	3510	1/1	0.95	0.12	46,46,46,46	0
57	MG	1A	3855	1/1	0.95	0.10	47,47,47,47	0
57	MG	1A	3513	1/1	0.95	0.09	38,38,38,38	0
57	MG	2A	3319	1/1	0.95	0.07	55,55,55,55	0
57	MG	1A	3668	1/1	0.95	0.15	43,43,43,43	0
57	MG	1A	3669	1/1	0.95	0.04	36,36,36,36	0
57	MG	2A	3686	1/1	0.95	0.07	42,42,42,42	0
57	MG	2A	3324	1/1	0.95	0.09	47,47,47,47	0
57	MG	2A	3688	1/1	0.95	0.17	44,44,44,44	0
57	MG	2A	3689	1/1	0.95	0.11	48,48,48,48	0
57	MG	2A	3007	1/1	0.95	0.15	45,45,45,45	0
57	MG	1A	4069	1/1	0.95	0.07	41,41,41,41	0
57	MG	2A	3009	1/1	0.95	0.07	36,36,36,36	0
57	MG	1A	3339	1/1	0.95	0.12	21,21,21,21	0
57	MG	1A	3679	1/1	0.95	0.12	42,42,42,42	0
57	MG	1A	3101	1/1	0.95	0.05	26,26,26,26	0
57	MG	1A	3681	1/1	0.95	0.08	52,52,52,52	0
57	MG	2A	3022	1/1	0.95	0.13	37,37,37,37	0
57	MG	2A	3334	1/1	0.95	0.18	46,46,46,46	0
57	MG	2A	3335	1/1	0.95	0.08	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	3866	1/1	0.95	0.11	55,55,55,55	0
57	MG	1A	4078	1/1	0.95	0.06	28,28,28,28	0
57	MG	1A	3867	1/1	0.95	0.07	56,56,56,56	0
57	MG	1A	3869	1/1	0.95	0.07	33,33,33,33	0
57	MG	1a	3013	1/1	0.95	0.07	60,60,60,60	0
57	MG	1a	3014	1/1	0.95	0.21	52,52,52,52	0
57	MG	2A	3343	1/1	0.95	0.10	51,51,51,51	0
57	MG	1A	3682	1/1	0.95	0.06	29,29,29,29	0
57	MG	1a	3018	1/1	0.95	0.08	44,44,44,44	0
57	MG	2A	3718	1/1	0.95	0.18	40,40,40,40	0
57	MG	2A	3719	1/1	0.95	0.08	38,38,38,38	0
57	MG	2A	3346	1/1	0.95	0.22	53,53,53,53	0
57	MG	2A	3037	1/1	0.95	0.06	26,26,26,26	0
57	MG	1a	3019	1/1	0.95	0.06	46,46,46,46	0
57	MG	2A	3349	1/1	0.95	0.13	46,46,46,46	0
57	MG	2A	3350	1/1	0.95	0.07	58,58,58,58	0
57	MG	2A	3725	1/1	0.95	0.11	41,41,41,41	0
57	MG	2A	3039	1/1	0.95	0.06	28,28,28,28	0
57	MG	2A	3352	1/1	0.95	0.17	45,45,45,45	0
57	MG	1A	3428	1/1	0.95	0.16	20,20,20,20	0
57	MG	2A	3729	1/1	0.95	0.15	60,60,60,60	0
57	MG	1A	3345	1/1	0.95	0.12	28,28,28,28	0
57	MG	2a	3160	1/1	0.95	0.11	55,55,55,55	0
57	MG	1a	3023	1/1	0.95	0.14	56,56,56,56	0
57	MG	1A	4087	1/1	0.95	0.08	47,47,47,47	0
57	MG	1A	3522	1/1	0.95	0.20	43,43,43,43	0
57	MG	1a	3026	1/1	0.95	0.21	42,42,42,42	0
57	MG	1A	3697	1/1	0.95	0.10	37,37,37,37	0
57	MG	1A	3430	1/1	0.95	0.12	31,31,31,31	0
57	MG	1A	3251	1/1	0.95	0.09	55,55,55,55	0
57	MG	1A	3048	1/1	0.95	0.05	17,17,17,17	0
57	MG	1A	3528	1/1	0.95	0.11	53,53,53,53	0
57	MG	2a	3175	1/1	0.95	0.13	50,50,50,50	0
57	MG	1A	3886	1/1	0.95	0.07	41,41,41,41	0
57	MG	1a	3037	1/1	0.95	0.08	37,37,37,37	0
57	MG	1A	3529	1/1	0.95	0.22	38,38,38,38	0
57	MG	2A	3063	1/1	0.95	0.15	42,42,42,42	0
57	MG	1A	3304	1/1	0.95	0.10	40,40,40,40	0
57	MG	2A	3372	1/1	0.95	0.09	49,49,49,49	0
57	MG	1A	3892	1/1	0.95	0.11	37,37,37,37	0
57	MG	1a	3042	1/1	0.95	0.20	57,57,57,57	0
57	MG	2A	3068	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	1a	3043	1/1	0.95	0.08	45,45,45,45	0
57	MG	2A	3378	1/1	0.95	0.20	51,51,51,51	0
57	MG	1a	3045	1/1	0.95	0.06	38,38,38,38	0
57	MG	2a	3193	1/1	0.95	0.06	74,74,74,74	0
57	MG	2A	3756	1/1	0.95	0.11	55,55,55,55	0
57	MG	2a	3197	1/1	0.95	0.12	56,56,56,56	0
57	MG	2A	3380	1/1	0.95	0.08	50,50,50,50	0
57	MG	1A	3714	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3073	1/1	0.95	0.10	45,45,45,45	0
57	MG	1A	3719	1/1	0.95	0.08	36,36,36,36	0
57	MG	1A	3254	1/1	0.95	0.10	36,36,36,36	0
57	MG	2a	3206	1/1	0.95	0.11	60,60,60,60	0
57	MG	2a	3209	1/1	0.95	0.10	63,63,63,63	0
57	MG	2a	3210	1/1	0.95	0.08	49,49,49,49	0
57	MG	1A	3897	1/1	0.95	0.07	41,41,41,41	0
57	MG	1A	3726	1/1	0.95	0.12	34,34,34,34	0
57	MG	1A	3535	1/1	0.95	0.08	32,32,32,32	0
57	MG	1a	3061	1/1	0.95	0.06	46,46,46,46	0
57	MG	1A	3728	1/1	0.95	0.12	46,46,46,46	0
57	MG	2A	3393	1/1	0.95	0.12	30,30,30,30	0
57	MG	1A	3307	1/1	0.95	0.10	31,31,31,31	0
57	MG	2A	3088	1/1	0.95	0.10	48,48,48,48	0
57	MG	2A	3090	1/1	0.95	0.14	44,44,44,44	0
57	MG	1a	3064	1/1	0.95	0.16	48,48,48,48	0
57	MG	2a	3227	1/1	0.95	0.16	61,61,61,61	0
57	MG	1A	4114	1/1	0.95	0.11	40,40,40,40	0
57	MG	1A	3354	1/1	0.95	0.10	40,40,40,40	0
57	MG	1A	4119	1/1	0.95	0.08	58,58,58,58	0
57	MG	2A	3406	1/1	0.95	0.07	48,48,48,48	0
57	MG	2A	3097	1/1	0.95	0.09	40,40,40,40	0
57	MG	1A	3147	1/1	0.95	0.11	35,35,35,35	0
57	MG	2A	3783	1/1	0.95	0.08	30,30,30,30	0
57	MG	1A	3541	1/1	0.95	0.07	39,39,39,39	0
57	MG	1a	3071	1/1	0.95	0.15	51,51,51,51	0
57	MG	2A	3786	1/1	0.95	0.11	49,49,49,49	0
57	MG	1A	3911	1/1	0.95	0.07	26,26,26,26	0
57	MG	2A	3108	1/1	0.95	0.07	51,51,51,51	0
57	MG	1A	3261	1/1	0.95	0.14	45,45,45,45	0
57	MG	2A	3415	1/1	0.95	0.07	55,55,55,55	0
57	MG	1A	3915	1/1	0.95	0.05	30,30,30,30	0
57	MG	2A	3113	1/1	0.95	0.10	60,60,60,60	0
57	MG	1A	3737	1/1	0.95	0.09	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3115	1/1	0.95	0.11	43,43,43,43	0
57	MG	1A	3441	1/1	0.95	0.08	46,46,46,46	0
57	MG	2a	3251	1/1	0.95	0.15	51,51,51,51	0
57	MG	2A	3800	1/1	0.95	0.19	50,50,50,50	0
57	MG	2A	3118	1/1	0.95	0.23	54,54,54,54	0
57	MG	2A	3802	1/1	0.95	0.07	53,53,53,53	0
57	MG	2a	3255	1/1	0.95	0.09	45,45,45,45	0
57	MG	2A	3427	1/1	0.95	0.14	54,54,54,54	0
57	MG	2a	3257	1/1	0.95	0.08	44,44,44,44	0
57	MG	1a	3077	1/1	0.95	0.09	40,40,40,40	0
57	MG	1A	4133	1/1	0.95	0.06	15,15,15,15	0
57	MG	1a	3079	1/1	0.95	0.11	40,40,40,40	0
57	MG	2A	3432	1/1	0.95	0.13	40,40,40,40	0
57	MG	1a	3082	1/1	0.95	0.07	48,48,48,48	0
57	MG	2A	3123	1/1	0.95	0.17	37,37,37,37	0
57	MG	1A	3214	1/1	0.95	0.05	34,34,34,34	0
57	MG	1A	3548	1/1	0.95	0.10	25,25,25,25	0
57	MG	1A	4138	1/1	0.95	0.08	48,48,48,48	0
57	MG	1a	3086	1/1	0.95	0.18	55,55,55,55	0
57	MG	2A	3824	1/1	0.95	0.07	47,47,47,47	0
57	MG	1A	3550	1/1	0.95	0.10	33,33,33,33	0
57	MG	2A	3134	1/1	0.95	0.13	45,45,45,45	0
57	MG	1a	3089	1/1	0.95	0.08	57,57,57,57	0
57	MG	1A	3313	1/1	0.95	0.07	42,42,42,42	0
57	MG	2A	3139	1/1	0.95	0.15	40,40,40,40	0
57	MG	1a	3093	1/1	0.95	0.15	46,46,46,46	0
57	MG	2A	3836	1/1	0.95	0.07	46,46,46,46	0
57	MG	2a	3279	1/1	0.95	0.11	45,45,45,45	0
57	MG	2A	3451	1/1	0.95	0.07	41,41,41,41	0
57	MG	1A	3926	1/1	0.95	0.05	20,20,20,20	0
57	MG	1A	3555	1/1	0.95	0.12	41,41,41,41	0
57	MG	1A	4145	1/1	0.95	0.12	21,21,21,21	0
57	MG	1A	3057	1/1	0.96	0.08	36,36,36,36	0
57	MG	1A	3672	1/1	0.96	0.27	33,33,33,33	0
57	MG	1A	4260	1/1	0.96	0.07	45,45,45,45	0
57	MG	1A	4261	1/1	0.96	0.07	52,52,52,52	0
57	MG	1a	3197	1/1	0.96	0.07	64,64,64,64	0
57	MG	1A	4263	1/1	0.96	0.04	24,24,24,24	0
57	MG	2A	3524	1/1	0.96	0.16	34,34,34,34	0
57	MG	2A	3883	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	4036	1/1	0.96	0.05	28,28,28,28	0
57	MG	2A	3236	1/1	0.96	0.15	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	3418	1/1	0.96	0.16	19,19,19,19	0
57	MG	2A	3528	1/1	0.96	0.10	30,30,30,30	0
57	MG	1A	3675	1/1	0.96	0.12	31,31,31,31	0
57	MG	2A	3239	1/1	0.96	0.16	36,36,36,36	0
57	MG	1A	3141	1/1	0.96	0.11	34,34,34,34	0
57	MG	2A	3891	1/1	0.96	0.06	31,31,31,31	0
57	MG	1A	3420	1/1	0.96	0.36	40,40,40,40	0
57	MG	1A	3244	1/1	0.96	0.09	20,20,20,20	0
57	MG	1A	3059	1/1	0.96	0.13	35,35,35,35	0
57	MG	2A	3535	1/1	0.96	0.09	49,49,49,49	0
57	MG	1A	3061	1/1	0.96	0.07	40,40,40,40	0
57	MG	1A	3248	1/1	0.96	0.11	45,45,45,45	0
57	MG	1A	3861	1/1	0.96	0.08	18,18,18,18	0
57	MG	1a	3214	1/1	0.96	0.05	57,57,57,57	0
57	MG	1A	3689	1/1	0.96	0.10	34,34,34,34	0
57	MG	1a	3216	1/1	0.96	0.05	41,41,41,41	0
57	MG	1A	3863	1/1	0.96	0.10	35,35,35,35	0
57	MG	1a	3218	1/1	0.96	0.05	53,53,53,53	0
57	MG	1A	3328	1/1	0.96	0.14	40,40,40,40	0
57	MG	1A	3006	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3536	1/1	0.96	0.09	49,49,49,49	0
57	MG	2A	3913	1/1	0.96	0.06	53,53,53,53	0
57	MG	2A	3914	1/1	0.96	0.05	51,51,51,51	0
57	MG	2A	3916	1/1	0.96	0.09	18,18,18,18	0
57	MG	1A	3699	1/1	0.96	0.15	35,35,35,35	0
57	MG	2A	3260	1/1	0.96	0.08	52,52,52,52	0
57	MG	1A	4285	1/1	0.96	0.13	51,51,51,51	0
57	MG	1A	4286	1/1	0.96	0.17	58,58,58,58	0
57	MG	1A	4289	1/1	0.96	0.06	43,43,43,43	0
57	MG	2A	3559	1/1	0.96	0.30	62,62,62,62	0
57	MG	1A	3868	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3095	1/1	0.96	0.07	35,35,35,35	0
57	MG	2A	3562	1/1	0.96	0.09	26,26,26,26	0
57	MG	2A	3563	1/1	0.96	0.13	53,53,53,53	0
57	MG	1A	3152	1/1	0.96	0.09	37,37,37,37	0
57	MG	2A	3928	1/1	0.96	0.09	32,32,32,32	0
57	MG	2A	3566	1/1	0.96	0.21	43,43,43,43	0
57	MG	1A	3158	1/1	0.96	0.10	30,30,30,30	0
57	MG	2A	3568	1/1	0.96	0.12	42,42,42,42	0
57	MG	2A	3570	1/1	0.96	0.10	41,41,41,41	0
57	MG	1A	3160	1/1	0.96	0.09	29,29,29,29	0
57	MG	2A	3934	1/1	0.96	0.09	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	3335	1/1	0.96	0.05	30,30,30,30	0
57	MG	2A	3936	1/1	0.96	0.09	30,30,30,30	0
57	MG	1A	3710	1/1	0.96	0.10	41,41,41,41	0
57	MG	1A	3544	1/1	0.96	0.11	43,43,43,43	0
57	MG	1A	3717	1/1	0.96	0.07	28,28,28,28	0
57	MG	1a	3001	1/1	0.96	0.08	51,51,51,51	0
57	MG	2A	3276	1/1	0.96	0.07	48,48,48,48	0
57	MG	1A	3096	1/1	0.96	0.06	43,43,43,43	0
57	MG	2A	3946	1/1	0.96	0.17	47,47,47,47	0
57	MG	1A	3721	1/1	0.96	0.05	39,39,39,39	0
57	MG	1a	3246	1/1	0.96	0.05	49,49,49,49	0
57	MG	2A	3583	1/1	0.96	0.10	36,36,36,36	0
57	MG	1A	3098	1/1	0.96	0.12	41,41,41,41	0
57	MG	1A	3045	1/1	0.96	0.11	20,20,20,20	0
57	MG	1A	3888	1/1	0.96	0.08	37,37,37,37	0
57	MG	1a	3008	1/1	0.96	0.10	45,45,45,45	0
57	MG	2A	3957	1/1	0.96	0.08	42,42,42,42	0
57	MG	1A	3344	1/1	0.96	0.11	42,42,42,42	0
57	MG	2A	3589	1/1	0.96	0.06	42,42,42,42	0
57	MG	1A	3551	1/1	0.96	0.07	45,45,45,45	0
57	MG	2A	3591	1/1	0.96	0.05	33,33,33,33	0
57	MG	1A	3552	1/1	0.96	0.13	23,23,23,23	0
57	MG	2A	3595	1/1	0.96	0.07	41,41,41,41	0
57	MG	1A	3047	1/1	0.96	0.09	31,31,31,31	0
57	MG	1a	3255	1/1	0.96	0.18	44,44,44,44	0
57	MG	1A	3175	1/1	0.96	0.06	29,29,29,29	0
57	MG	1a	3016	1/1	0.96	0.12	44,44,44,44	0
57	MG	2a	3006	1/1	0.96	0.09	49,49,49,49	0
57	MG	1A	4092	1/1	0.96	0.08	55,55,55,55	0
57	MG	2A	3603	1/1	0.96	0.13	49,49,49,49	0
57	MG	2A	3604	1/1	0.96	0.12	34,34,34,34	0
57	MG	1A	3734	1/1	0.96	0.12	44,44,44,44	0
57	MG	1A	3102	1/1	0.96	0.10	20,20,20,20	0
57	MG	1A	3181	1/1	0.96	0.06	41,41,41,41	0
57	MG	2A	3609	1/1	0.96	0.08	44,44,44,44	0
57	MG	1A	3350	1/1	0.96	0.06	41,41,41,41	0
57	MG	1A	3738	1/1	0.96	0.10	40,40,40,40	0
57	MG	2A	3612	1/1	0.96	0.08	37,37,37,37	0
57	MG	1A	3904	1/1	0.96	0.07	28,28,28,28	0
57	MG	2A	3012	1/1	0.96	0.06	34,34,34,34	0
57	MG	1A	3182	1/1	0.96	0.16	33,33,33,33	0
57	MG	1A	3352	1/1	0.96	0.07	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3020	1/1	0.96	0.07	49,49,49,49	0
57	MG	1A	3907	1/1	0.96	0.07	20,20,20,20	0
57	MG	1A	3067	1/1	0.96	0.07	31,31,31,31	0
57	MG	1A	3565	1/1	0.96	0.14	35,35,35,35	0
57	MG	2A	3028	1/1	0.96	0.05	38,38,38,38	0
57	MG	1A	3566	1/1	0.96	0.11	35,35,35,35	0
57	MG	1A	4106	1/1	0.96	0.05	42,42,42,42	0
57	MG	1a	3035	1/1	0.96	0.16	54,54,54,54	0
57	MG	2A	3631	1/1	0.96	0.07	42,42,42,42	0
57	MG	1a	3036	1/1	0.96	0.22	49,49,49,49	0
57	MG	1A	4107	1/1	0.96	0.07	45,45,45,45	0
57	MG	1A	3914	1/1	0.96	0.06	23,23,23,23	0
57	MG	1A	3105	1/1	0.96	0.06	38,38,38,38	0
57	MG	2A	3639	1/1	0.96	0.13	33,33,33,33	0
57	MG	1A	3916	1/1	0.96	0.05	47,47,47,47	0
57	MG	1A	3568	1/1	0.96	0.19	41,41,41,41	0
57	MG	2A	3321	1/1	0.96	0.23	44,44,44,44	0
57	MG	2A	3041	1/1	0.96	0.13	43,43,43,43	0
57	MG	2A	3042	1/1	0.96	0.07	38,38,38,38	0
57	MG	2A	3645	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	3106	1/1	0.96	0.08	48,48,48,48	0
57	MG	1A	3280	1/1	0.96	0.08	41,41,41,41	0
57	MG	1A	3921	1/1	0.96	0.07	40,40,40,40	0
57	MG	2A	3047	1/1	0.96	0.21	52,52,52,52	0
57	MG	1A	3453	1/1	0.96	0.07	38,38,38,38	0
57	MG	1A	3750	1/1	0.96	0.14	38,38,38,38	0
57	MG	2A	3050	1/1	0.96	0.07	48,48,48,48	0
57	MG	1A	3281	1/1	0.96	0.14	42,42,42,42	0
57	MG	2A	3333	1/1	0.96	0.13	55,55,55,55	0
57	MG	1a	3057	1/1	0.96	0.17	40,40,40,40	0
57	MG	1A	4123	1/1	0.96	0.05	56,56,56,56	0
57	MG	1A	3008	1/1	0.96	0.04	24,24,24,24	0
57	MG	1A	4127	1/1	0.96	0.09	60,60,60,60	0
57	MG	1A	3459	1/1	0.96	0.05	45,45,45,45	0
57	MG	2A	3666	1/1	0.96	0.05	38,38,38,38	0
57	MG	1A	3460	1/1	0.96	0.11	48,48,48,48	0
57	MG	1A	4130	1/1	0.96	0.10	21,21,21,21	0
57	MG	2A	3669	1/1	0.96	0.08	21,21,21,21	0
57	MG	2A	3670	1/1	0.96	0.14	56,56,56,56	0
57	MG	2a	3063	1/1	0.96	0.09	63,63,63,63	0
57	MG	1A	3933	1/1	0.96	0.08	49,49,49,49	0
57	MG	1A	3199	1/1	0.96	0.06	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	1A	3119	1/1	0.96	0.07	32,32,32,32	0
57	MG	1A	3583	1/1	0.96	0.10	32,32,32,32	0
57	MG	1A	3208	1/1	0.96	0.10	33,33,33,33	0
57	MG	1A	3767	1/1	0.96	0.04	32,32,32,32	0
57	MG	1A	3465	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	3050	1/1	0.96	0.07	26,26,26,26	0
57	MG	2A	3680	1/1	0.96	0.08	52,52,52,52	0
57	MG	1A	3770	1/1	0.96	0.05	22,22,22,22	0
57	MG	1A	3944	1/1	0.96	0.06	24,24,24,24	0
57	MG	1A	3771	1/1	0.96	0.06	23,23,23,23	0
57	MG	2A	3075	1/1	0.96	0.04	36,36,36,36	0
57	MG	1A	4146	1/1	0.96	0.07	16,16,16,16	0
57	MG	2A	3078	1/1	0.96	0.09	38,38,38,38	0
57	MG	1A	3294	1/1	0.96	0.18	39,39,39,39	0
57	MG	1A	3071	1/1	0.96	0.06	36,36,36,36	0
57	MG	1a	3080	1/1	0.96	0.09	42,42,42,42	0
57	MG	1a	3081	1/1	0.96	0.11	48,48,48,48	0
57	MG	1A	4149	1/1	0.96	0.05	45,45,45,45	0
57	MG	2a	3089	1/1	0.96	0.08	52,52,52,52	0
57	MG	2A	3692	1/1	0.96	0.07	33,33,33,33	0
57	MG	1A	3951	1/1	0.96	0.06	29,29,29,29	0
57	MG	2A	3694	1/1	0.96	0.12	49,49,49,49	0
57	MG	2A	3362	1/1	0.96	0.08	47,47,47,47	0
57	MG	1A	3952	1/1	0.96	0.10	39,39,39,39	0
57	MG	2A	3089	1/1	0.96	0.07	49,49,49,49	0
57	MG	1A	3470	1/1	0.96	0.09	38,38,38,38	0
57	MG	1A	3471	1/1	0.96	0.14	35,35,35,35	0
57	MG	1a	3087	1/1	0.96	0.11	57,57,57,57	0
57	MG	1A	3597	1/1	0.96	0.13	38,38,38,38	0
57	MG	1A	3296	1/1	0.96	0.13	29,29,29,29	0
57	MG	1a	3091	1/1	0.96	0.24	45,45,45,45	0
57	MG	1A	3213	1/1	0.96	0.15	33,33,33,33	0
57	MG	1A	3124	1/1	0.96	0.10	37,37,37,37	0
57	MG	2A	3375	1/1	0.96	0.08	56,56,56,56	0
57	MG	2A	3101	1/1	0.96	0.09	40,40,40,40	0
57	MG	2a	3109	1/1	0.96	0.24	51,51,51,51	0
57	MG	2A	3713	1/1	0.96	0.06	37,37,37,37	0
57	MG	2A	3102	1/1	0.96	0.07	40,40,40,40	0
57	MG	2A	3103	1/1	0.96	0.14	49,49,49,49	0
57	MG	1A	3960	1/1	0.96	0.07	31,31,31,31	0
57	MG	2A	3105	1/1	0.96	0.15	47,47,47,47	0
57	MG	1A	3961	1/1	0.96	0.05	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	3096	1/1	0.96	0.21	40,40,40,40	0
57	MG	2A	3383	1/1	0.96	0.14	34,34,34,34	0
57	MG	1A	3783	1/1	0.96	0.15	29,29,29,29	0
57	MG	1A	3965	1/1	0.96	0.09	31,31,31,31	0
57	MG	1A	3966	1/1	0.96	0.07	30,30,30,30	0
57	MG	1A	4169	1/1	0.96	0.10	48,48,48,48	0
57	MG	1A	4170	1/1	0.96	0.08	46,46,46,46	0
57	MG	1A	3967	1/1	0.96	0.06	35,35,35,35	0
57	MG	1A	3125	1/1	0.96	0.10	33,33,33,33	0
57	MG	1A	3970	1/1	0.96	0.06	44,44,44,44	0
57	MG	1A	3377	1/1	0.96	0.11	37,37,37,37	0
57	MG	2A	3395	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	3481	1/1	0.96	0.14	45,45,45,45	0
57	MG	1a	3107	1/1	0.96	0.12	46,46,46,46	0
57	MG	1A	3973	1/1	0.96	0.10	47,47,47,47	0
57	MG	2a	3132	1/1	0.96	0.12	49,49,49,49	0
57	MG	1A	3790	1/1	0.96	0.08	28,28,28,28	0
57	MG	1a	3110	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	3223	1/1	0.96	0.07	46,46,46,46	0
57	MG	2A	3403	1/1	0.96	0.08	50,50,50,50	0
57	MG	1A	3379	1/1	0.96	0.19	45,45,45,45	0
57	MG	1A	3026	1/1	0.96	0.10	35,35,35,35	0
57	MG	1A	3796	1/1	0.96	0.07	36,36,36,36	0
57	MG	2a	3142	1/1	0.96	0.07	59,59,59,59	0
57	MG	2a	3143	1/1	0.96	0.11	50,50,50,50	0
57	MG	1A	3381	1/1	0.96	0.06	29,29,29,29	0
57	MG	2a	3145	1/1	0.96	0.10	58,58,58,58	0
57	MG	2A	3744	1/1	0.96	0.08	37,37,37,37	0
57	MG	1A	3225	1/1	0.96	0.12	30,30,30,30	0
57	MG	1a	3118	1/1	0.96	0.19	44,44,44,44	0
57	MG	1A	4188	1/1	0.96	0.12	35,35,35,35	0
57	MG	2a	3150	1/1	0.96	0.15	39,39,39,39	0
57	MG	2A	3141	1/1	0.96	0.14	34,34,34,34	0
57	MG	2A	3414	1/1	0.96	0.06	56,56,56,56	0
57	MG	2A	3142	1/1	0.96	0.09	37,37,37,37	0
57	MG	2A	3416	1/1	0.96	0.07	48,48,48,48	0
57	MG	2a	3155	1/1	0.96	0.13	40,40,40,40	0
57	MG	1A	3311	1/1	0.96	0.15	33,33,33,33	0
57	MG	2A	3144	1/1	0.96	0.14	30,30,30,30	0
57	MG	1A	3983	1/1	0.96	0.06	36,36,36,36	0
57	MG	1A	4192	1/1	0.96	0.06	43,43,43,43	0
57	MG	1A	4193	1/1	0.96	0.05	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	3162	1/1	0.96	0.21	51,51,51,51	0
57	MG	2A	3423	1/1	0.96	0.05	51,51,51,51	0
57	MG	2A	3424	1/1	0.96	0.12	44,44,44,44	0
57	MG	2A	3425	1/1	0.96	0.09	47,47,47,47	0
57	MG	1a	3128	1/1	0.96	0.15	37,37,37,37	0
57	MG	1a	3129	1/1	0.96	0.19	32,32,32,32	0
57	MG	2a	3169	1/1	0.96	0.13	40,40,40,40	0
57	MG	1A	3616	1/1	0.96	0.20	28,28,28,28	0
57	MG	2a	3171	1/1	0.96	0.18	46,46,46,46	0
57	MG	1A	3623	1/1	0.96	0.24	23,23,23,23	0
57	MG	2a	3173	1/1	0.96	0.08	47,47,47,47	0
57	MG	1a	3133	1/1	0.96	0.09	47,47,47,47	0
57	MG	1A	3491	1/1	0.96	0.06	33,33,33,33	0
57	MG	2A	3158	1/1	0.96	0.08	43,43,43,43	0
57	MG	2A	3434	1/1	0.96	0.21	40,40,40,40	0
57	MG	1A	3226	1/1	0.96	0.07	36,36,36,36	0
57	MG	2A	3773	1/1	0.96	0.06	46,46,46,46	0
57	MG	1A	3630	1/1	0.96	0.12	21,21,21,21	0
57	MG	2A	3161	1/1	0.96	0.06	29,29,29,29	0
57	MG	2a	3182	1/1	0.96	0.20	59,59,59,59	0
57	MG	1A	4201	1/1	0.96	0.05	42,42,42,42	0
57	MG	1A	3385	1/1	0.96	0.15	29,29,29,29	0
57	MG	1A	3228	1/1	0.96	0.06	36,36,36,36	0
57	MG	2A	3444	1/1	0.96	0.12	41,41,41,41	0
57	MG	1A	3495	1/1	0.96	0.06	46,46,46,46	0
57	MG	1A	3229	1/1	0.96	0.10	36,36,36,36	0
57	MG	2a	3192	1/1	0.96	0.16	75,75,75,75	0
57	MG	1A	3815	1/1	0.96	0.05	20,20,20,20	0
57	MG	2A	3169	1/1	0.96	0.14	32,32,32,32	0
57	MG	2A	3170	1/1	0.96	0.31	56,56,56,56	0
57	MG	1A	4209	1/1	0.96	0.07	35,35,35,35	0
57	MG	2A	3172	1/1	0.96	0.09	33,33,33,33	0
57	MG	2A	3173	1/1	0.96	0.16	54,54,54,54	0
57	MG	2a	3203	1/1	0.96	0.08	62,62,62,62	0
57	MG	1A	3499	1/1	0.96	0.12	38,38,38,38	0
57	MG	1a	3145	1/1	0.96	0.18	52,52,52,52	0
57	MG	2A	3793	1/1	0.96	0.08	50,50,50,50	0
57	MG	1A	3395	1/1	0.96	0.06	45,45,45,45	0
57	MG	2A	3177	1/1	0.96	0.07	46,46,46,46	0
57	MG	1A	3398	1/1	0.96	0.20	39,39,39,39	0
57	MG	1A	4002	1/1	0.96	0.06	40,40,40,40	0
57	MG	2A	3462	1/1	0.96	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	3216	1/1	0.96	0.06	56,56,56,56	0
57	MG	2a	3217	1/1	0.96	0.06	57,57,57,57	0
57	MG	1A	3080	1/1	0.96	0.15	43,43,43,43	0
57	MG	1A	3016	1/1	0.96	0.06	43,43,43,43	0
57	MG	2A	3803	1/1	0.96	0.08	43,43,43,43	0
57	MG	1A	4218	1/1	0.96	0.07	36,36,36,36	0
57	MG	2A	3806	1/1	0.96	0.07	42,42,42,42	0
57	MG	2A	3187	1/1	0.96	0.15	55,55,55,55	0
57	MG	1A	3401	1/1	0.96	0.11	45,45,45,45	0
57	MG	1A	3018	1/1	0.96	0.12	26,26,26,26	0
57	MG	2a	3228	1/1	0.96	0.05	45,45,45,45	0
57	MG	1A	3649	1/1	0.96	0.09	36,36,36,36	0
57	MG	1A	3403	1/1	0.96	0.16	27,27,27,27	0
57	MG	1A	3404	1/1	0.96	0.05	30,30,30,30	0
57	MG	1A	3405	1/1	0.96	0.14	30,30,30,30	0
57	MG	1A	3834	1/1	0.96	0.06	35,35,35,35	0
57	MG	1a	3160	1/1	0.96	0.09	28,28,28,28	0
57	MG	2A	3820	1/1	0.96	0.06	59,59,59,59	0
57	MG	2A	3821	1/1	0.96	0.08	45,45,45,45	0
57	MG	1a	3161	1/1	0.96	0.06	30,30,30,30	0
57	MG	1A	3056	1/1	0.96	0.07	36,36,36,36	0
57	MG	1A	3511	1/1	0.96	0.10	29,29,29,29	0
57	MG	1A	4015	1/1	0.96	0.14	26,26,26,26	0
57	MG	1A	4016	1/1	0.96	0.20	32,32,32,32	0
57	MG	1A	4238	1/1	0.96	0.11	21,21,21,21	0
57	MG	2A	3829	1/1	0.96	0.12	39,39,39,39	0
57	MG	2A	3830	1/1	0.96	0.11	48,48,48,48	0
57	MG	1A	4018	1/1	0.96	0.17	34,34,34,34	0
57	MG	1A	3658	1/1	0.96	0.07	36,36,36,36	0
57	MG	2A	3834	1/1	0.96	0.13	51,51,51,51	0
57	MG	2A	3835	1/1	0.96	0.06	41,41,41,41	0
57	MG	1A	4020	1/1	0.96	0.11	27,27,27,27	0
57	MG	2A	3206	1/1	0.96	0.19	51,51,51,51	0
57	MG	2A	3207	1/1	0.96	0.05	43,43,43,43	0
57	MG	1A	4242	1/1	0.96	0.09	27,27,27,27	0
57	MG	1A	3839	1/1	0.96	0.05	37,37,37,37	0
57	MG	1A	3134	1/1	0.96	0.25	34,34,34,34	0
57	MG	1A	3412	1/1	0.96	0.05	40,40,40,40	0
57	MG	1A	4247	1/1	0.96	0.04	45,45,45,45	0
57	MG	1a	3177	1/1	0.96	0.10	34,34,34,34	0
57	MG	1A	3413	1/1	0.96	0.07	37,37,37,37	0
57	MG	2A	3854	1/1	0.96	0.08	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	3497	1/1	0.96	0.18	48,48,48,48	0
57	MG	2A	3856	1/1	0.96	0.12	64,64,64,64	0
57	MG	1A	3665	1/1	0.96	0.05	33,33,33,33	0
57	MG	2A	3216	1/1	0.96	0.05	41,41,41,41	0
57	MG	1A	4027	1/1	0.96	0.04	19,19,19,19	0
57	MG	2A	3860	1/1	0.96	0.08	57,57,57,57	0
57	MG	1a	3184	1/1	0.96	0.10	39,39,39,39	0
57	MG	1a	3185	1/1	0.96	0.08	54,54,54,54	0
57	MG	2A	3863	1/1	0.96	0.07	58,58,58,58	0
57	MG	1A	4252	1/1	0.96	0.08	17,17,17,17	0
57	MG	2a	3275	1/1	0.96	0.19	54,54,54,54	0
57	MG	1A	4253	1/1	0.96	0.07	44,44,44,44	0
57	MG	1A	4028	1/1	0.96	0.05	24,24,24,24	0
57	MG	1A	3519	1/1	0.96	0.14	32,32,32,32	0
57	MG	1A	3667	1/1	0.96	0.23	37,37,37,37	0
57	MG	2A	3869	1/1	0.96	0.07	38,38,38,38	0
57	MG	2A	3512	1/1	0.96	0.10	49,49,49,49	0
57	MG	2A	3871	1/1	0.96	0.10	54,54,54,54	0
57	MG	1A	3414	1/1	0.96	0.08	35,35,35,35	0
57	MG	1A	4094	1/1	0.97	0.04	46,46,46,46	0
57	MG	1A	3722	1/1	0.97	0.08	29,29,29,29	0
57	MG	2A	3002	1/1	0.97	0.15	46,46,46,46	0
57	MG	2A	3903	1/1	0.97	0.09	51,51,51,51	0
57	MG	1A	3724	1/1	0.97	0.20	42,42,42,42	0
57	MG	2A	3004	1/1	0.97	0.12	43,43,43,43	0
57	MG	1A	3437	1/1	0.97	0.16	36,36,36,36	0
57	MG	1A	3553	1/1	0.97	0.11	31,31,31,31	0
57	MG	1A	3032	1/1	0.97	0.14	28,28,28,28	0
57	MG	1A	3148	1/1	0.97	0.08	25,25,25,25	0
57	MG	1A	3902	1/1	0.97	0.04	27,27,27,27	0
57	MG	1A	3336	1/1	0.97	0.11	38,38,38,38	0
57	MG	2A	3281	1/1	0.97	0.14	53,53,53,53	0
57	MG	2A	3915	1/1	0.97	0.04	46,46,46,46	0
57	MG	1A	3731	1/1	0.97	0.12	29,29,29,29	0
57	MG	1A	3100	1/1	0.97	0.14	31,31,31,31	0
57	MG	2A	3013	1/1	0.97	0.04	35,35,35,35	0
57	MG	1A	3442	1/1	0.97	0.13	34,34,34,34	0
57	MG	1A	3151	1/1	0.97	0.07	51,51,51,51	0
57	MG	2A	3287	1/1	0.97	0.05	48,48,48,48	0
57	MG	2A	3018	1/1	0.97	0.16	49,49,49,49	0
57	MG	1a	3033	1/1	0.97	0.15	47,47,47,47	0
57	MG	2A	3290	1/1	0.97	0.17	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3021	1/1	0.97	0.05	26,26,26,26	0
57	MG	2A	3292	1/1	0.97	0.08	38,38,38,38	0
57	MG	1a	3034	1/1	0.97	0.10	23,23,23,23	0
57	MG	2A	3294	1/1	0.97	0.06	42,42,42,42	0
57	MG	1A	3908	1/1	0.97	0.11	19,19,19,19	0
57	MG	2A	3593	1/1	0.97	0.05	41,41,41,41	0
57	MG	2A	3025	1/1	0.97	0.05	45,45,45,45	0
57	MG	1A	3035	1/1	0.97	0.27	19,19,19,19	0
57	MG	1A	3341	1/1	0.97	0.07	35,35,35,35	0
57	MG	1a	3038	1/1	0.97	0.21	38,38,38,38	0
57	MG	1A	3564	1/1	0.97	0.09	36,36,36,36	0
57	MG	1A	3913	1/1	0.97	0.05	15,15,15,15	0
57	MG	1A	3342	1/1	0.97	0.07	41,41,41,41	0
57	MG	2A	3939	1/1	0.97	0.06	30,30,30,30	0
57	MG	2A	3602	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3154	1/1	0.97	0.10	20,20,20,20	0
57	MG	2A	3035	1/1	0.97	0.10	37,37,37,37	0
57	MG	1A	4115	1/1	0.97	0.09	43,43,43,43	0
57	MG	1a	3044	1/1	0.97	0.08	41,41,41,41	0
57	MG	1A	4116	1/1	0.97	0.10	43,43,43,43	0
57	MG	2A	3308	1/1	0.97	0.31	61,61,61,61	0
57	MG	1a	3046	1/1	0.97	0.16	41,41,41,41	0
57	MG	2A	3949	1/1	0.97	0.05	49,49,49,49	0
57	MG	2A	3950	1/1	0.97	0.08	35,35,35,35	0
57	MG	2A	3951	1/1	0.97	0.09	42,42,42,42	0
57	MG	2A	3040	1/1	0.97	0.09	21,21,21,21	0
57	MG	1a	3047	1/1	0.97	0.15	42,42,42,42	0
57	MG	1A	3156	1/1	0.97	0.19	28,28,28,28	0
57	MG	1A	3073	1/1	0.97	0.09	16,16,16,16	0
57	MG	2A	3044	1/1	0.97	0.20	53,53,53,53	0
57	MG	1a	3051	1/1	0.97	0.09	36,36,36,36	0
57	MG	2A	3958	1/1	0.97	0.11	46,46,46,46	0
57	MG	1a	3054	1/1	0.97	0.11	44,44,44,44	0
57	MG	2A	3620	1/1	0.97	0.05	27,27,27,27	0
57	MG	2A	3621	1/1	0.97	0.09	39,39,39,39	0
57	MG	2A	3622	1/1	0.97	0.13	44,44,44,44	0
57	MG	1A	3569	1/1	0.97	0.21	41,41,41,41	0
57	MG	1A	4121	1/1	0.97	0.04	26,26,26,26	0
57	MG	2a	3001	1/1	0.97	0.07	46,46,46,46	0
57	MG	1A	3250	1/1	0.97	0.16	34,34,34,34	0
57	MG	1A	3572	1/1	0.97	0.10	38,38,38,38	0
57	MG	1A	3452	1/1	0.97	0.05	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	3060	1/1	0.97	0.05	40,40,40,40	0
57	MG	2A	3323	1/1	0.97	0.06	46,46,46,46	0
57	MG	2A	3630	1/1	0.97	0.09	61,61,61,61	0
57	MG	1A	3348	1/1	0.97	0.15	40,40,40,40	0
57	MG	1A	3159	1/1	0.97	0.18	29,29,29,29	0
57	MG	1A	3576	1/1	0.97	0.12	21,21,21,21	0
57	MG	1A	3927	1/1	0.97	0.04	35,35,35,35	0
57	MG	2A	3058	1/1	0.97	0.06	40,40,40,40	0
57	MG	2a	3013	1/1	0.97	0.05	40,40,40,40	0
57	MG	2A	3059	1/1	0.97	0.19	49,49,49,49	0
57	MG	1A	3928	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3749	1/1	0.97	0.09	40,40,40,40	0
57	MG	1A	3930	1/1	0.97	0.03	13,13,13,13	0
57	MG	1A	4134	1/1	0.97	0.05	25,25,25,25	0
57	MG	2A	3064	1/1	0.97	0.10	40,40,40,40	0
57	MG	1A	4135	1/1	0.97	0.04	21,21,21,21	0
57	MG	1A	3456	1/1	0.97	0.13	41,41,41,41	0
57	MG	1A	3932	1/1	0.97	0.13	48,48,48,48	0
57	MG	1A	3751	1/1	0.97	0.05	39,39,39,39	0
57	MG	2A	3650	1/1	0.97	0.09	24,24,24,24	0
57	MG	2A	3339	1/1	0.97	0.21	46,46,46,46	0
57	MG	1A	3103	1/1	0.97	0.06	32,32,32,32	0
57	MG	1A	3161	1/1	0.97	0.07	24,24,24,24	0
57	MG	1A	3075	1/1	0.97	0.21	25,25,25,25	0
57	MG	2A	3072	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	3259	1/1	0.97	0.24	35,35,35,35	0
57	MG	1A	3076	1/1	0.97	0.06	9,9,9,9	0
57	MG	1A	3760	1/1	0.97	0.06	23,23,23,23	0
57	MG	2a	3033	1/1	0.97	0.11	50,50,50,50	0
57	MG	1A	3167	1/1	0.97	0.09	19,19,19,19	0
57	MG	2A	3077	1/1	0.97	0.08	49,49,49,49	0
57	MG	1A	3054	1/1	0.97	0.17	36,36,36,36	0
57	MG	2A	3079	1/1	0.97	0.13	36,36,36,36	0
57	MG	1A	3107	1/1	0.97	0.05	26,26,26,26	0
57	MG	1A	3945	1/1	0.97	0.04	16,16,16,16	0
57	MG	1A	3587	1/1	0.97	0.09	42,42,42,42	0
57	MG	1A	3590	1/1	0.97	0.11	46,46,46,46	0
57	MG	1A	3591	1/1	0.97	0.09	17,17,17,17	0
57	MG	2A	3086	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3174	1/1	0.97	0.20	28,28,28,28	0
57	MG	1A	3468	1/1	0.97	0.10	52,52,52,52	0
57	MG	1A	4158	1/1	0.97	0.04	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	3267	1/1	0.97	0.17	32,32,32,32	0
57	MG	1A	3773	1/1	0.97	0.07	27,27,27,27	0
57	MG	2A	3092	1/1	0.97	0.09	28,28,28,28	0
57	MG	1A	4162	1/1	0.97	0.04	44,44,44,44	0
57	MG	1A	3079	1/1	0.97	0.06	19,19,19,19	0
57	MG	2A	3365	1/1	0.97	0.22	42,42,42,42	0
57	MG	1A	3176	1/1	0.97	0.12	36,36,36,36	0
57	MG	2A	3096	1/1	0.97	0.17	40,40,40,40	0
57	MG	1A	3598	1/1	0.97	0.11	29,29,29,29	0
57	MG	1A	3113	1/1	0.97	0.14	26,26,26,26	0
57	MG	1A	3179	1/1	0.97	0.08	9,9,9,9	0
57	MG	1A	3780	1/1	0.97	0.06	11,11,11,11	0
57	MG	1A	3963	1/1	0.97	0.05	21,21,21,21	0
57	MG	1A	3180	1/1	0.97	0.19	36,36,36,36	0
57	MG	1A	3367	1/1	0.97	0.28	33,33,33,33	0
57	MG	1A	3605	1/1	0.97	0.04	26,26,26,26	0
57	MG	2A	3106	1/1	0.97	0.04	30,30,30,30	0
57	MG	1A	3784	1/1	0.97	0.08	28,28,28,28	0
57	MG	1A	3114	1/1	0.97	0.19	25,25,25,25	0
57	MG	1A	4179	1/1	0.97	0.07	38,38,38,38	0
57	MG	1A	3969	1/1	0.97	0.09	39,39,39,39	0
57	MG	2A	3111	1/1	0.97	0.13	47,47,47,47	0
57	MG	2A	3112	1/1	0.97	0.17	36,36,36,36	0
57	MG	1A	3787	1/1	0.97	0.05	29,29,29,29	0
57	MG	1A	3279	1/1	0.97	0.05	34,34,34,34	0
57	MG	2a	3074	1/1	0.97	0.11	58,58,58,58	0
57	MG	2A	3705	1/1	0.97	0.05	29,29,29,29	0
57	MG	1A	3608	1/1	0.97	0.21	39,39,39,39	0
57	MG	2a	3077	1/1	0.97	0.12	43,43,43,43	0
57	MG	2a	3078	1/1	0.97	0.15	50,50,50,50	0
57	MG	1A	3115	1/1	0.97	0.04	34,34,34,34	0
57	MG	2A	3117	1/1	0.97	0.05	50,50,50,50	0
57	MG	2A	3389	1/1	0.97	0.05	50,50,50,50	0
57	MG	1A	3791	1/1	0.97	0.07	37,37,37,37	0
57	MG	1A	3975	1/1	0.97	0.07	25,25,25,25	0
57	MG	1A	3184	1/1	0.97	0.09	33,33,33,33	0
57	MG	1A	3118	1/1	0.97	0.10	23,23,23,23	0
57	MG	1A	3485	1/1	0.97	0.06	37,37,37,37	0
57	MG	2A	3716	1/1	0.97	0.04	37,37,37,37	0
57	MG	1A	3190	1/1	0.97	0.06	24,24,24,24	0
57	MG	2A	3124	1/1	0.97	0.14	36,36,36,36	0
57	MG	1A	4191	1/1	0.97	0.06	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	1A	3191	1/1	0.97	0.06	14,14,14,14	0
57	MG	1a	3121	1/1	0.97	0.12	60,60,60,60	0
57	MG	1A	3286	1/1	0.97	0.15	37,37,37,37	0
57	MG	2A	3402	1/1	0.97	0.12	47,47,47,47	0
57	MG	2A	3129	1/1	0.97	0.04	48,48,48,48	0
57	MG	2A	3405	1/1	0.97	0.07	42,42,42,42	0
57	MG	2A	3130	1/1	0.97	0.06	45,45,45,45	0
57	MG	1A	3194	1/1	0.97	0.09	41,41,41,41	0
57	MG	2A	3133	1/1	0.97	0.10	41,41,41,41	0
57	MG	2a	3102	1/1	0.97	0.12	48,48,48,48	0
57	MG	2a	3103	1/1	0.97	0.08	39,39,39,39	0
57	MG	1A	4195	1/1	0.97	0.04	17,17,17,17	0
57	MG	1A	3288	1/1	0.97	0.17	42,42,42,42	0
57	MG	1A	3037	1/1	0.97	0.05	28,28,28,28	0
57	MG	2A	3137	1/1	0.97	0.05	41,41,41,41	0
57	MG	2A	3138	1/1	0.97	0.11	37,37,37,37	0
57	MG	1a	3130	1/1	0.97	0.11	33,33,33,33	0
57	MG	1A	4198	1/1	0.97	0.05	9,9,9,9	0
57	MG	1A	3627	1/1	0.97	0.15	22,22,22,22	0
57	MG	1A	3291	1/1	0.97	0.17	38,38,38,38	0
57	MG	1A	3293	1/1	0.97	0.09	41,41,41,41	0
57	MG	1A	3496	1/1	0.97	0.12	27,27,27,27	0
57	MG	2a	3115	1/1	0.97	0.07	61,61,61,61	0
57	MG	2A	3420	1/1	0.97	0.10	42,42,42,42	0
57	MG	1A	3807	1/1	0.97	0.05	15,15,15,15	0
57	MG	1A	3497	1/1	0.97	0.04	29,29,29,29	0
57	MG	1A	3389	1/1	0.97	0.06	54,54,54,54	0
57	MG	1A	4206	1/1	0.97	0.03	23,23,23,23	0
57	MG	1A	4207	1/1	0.97	0.07	16,16,16,16	0
57	MG	1A	3993	1/1	0.97	0.14	42,42,42,42	0
57	MG	2A	3152	1/1	0.97	0.17	36,36,36,36	0
57	MG	2A	3428	1/1	0.97	0.16	34,34,34,34	0
57	MG	2A	3751	1/1	0.97	0.05	29,29,29,29	0
57	MG	1A	3812	1/1	0.97	0.10	19,19,19,19	0
57	MG	1A	3038	1/1	0.97	0.08	29,29,29,29	0
57	MG	1A	3641	1/1	0.97	0.05	31,31,31,31	0
57	MG	1A	3997	1/1	0.97	0.08	24,24,24,24	0
57	MG	1A	3998	1/1	0.97	0.11	29,29,29,29	0
57	MG	2A	3757	1/1	0.97	0.09	42,42,42,42	0
57	MG	1A	4215	1/1	0.97	0.08	38,38,38,38	0
57	MG	1A	3816	1/1	0.97	0.06	15,15,15,15	0
57	MG	1A	4000	1/1	0.97	0.24	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	3392	1/1	0.97	0.06	35,35,35,35	0
57	MG	2a	3136	1/1	0.97	0.05	62,62,62,62	0
57	MG	1A	3819	1/1	0.97	0.05	51,51,51,51	0
57	MG	1A	3082	1/1	0.97	0.05	23,23,23,23	0
57	MG	2a	3139	1/1	0.97	0.11	48,48,48,48	0
57	MG	1A	3122	1/1	0.97	0.09	22,22,22,22	0
57	MG	1A	3396	1/1	0.97	0.15	34,34,34,34	0
57	MG	1A	3397	1/1	0.97	0.11	37,37,37,37	0
57	MG	1A	4226	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	3300	1/1	0.97	0.17	33,33,33,33	0
57	MG	2A	3448	1/1	0.97	0.15	43,43,43,43	0
57	MG	1A	3200	1/1	0.97	0.17	38,38,38,38	0
57	MG	1A	3013	1/1	0.97	0.15	21,21,21,21	0
57	MG	1A	3202	1/1	0.97	0.15	29,29,29,29	0
57	MG	2A	3452	1/1	0.97	0.28	53,53,53,53	0
57	MG	1A	3509	1/1	0.97	0.08	41,41,41,41	0
57	MG	1A	3306	1/1	0.97	0.12	47,47,47,47	0
57	MG	1A	4233	1/1	0.97	0.06	61,61,61,61	0
57	MG	1A	4234	1/1	0.97	0.05	38,38,38,38	0
57	MG	1A	3833	1/1	0.97	0.06	19,19,19,19	0
57	MG	1A	3203	1/1	0.97	0.11	27,27,27,27	0
57	MG	2a	3156	1/1	0.97	0.06	52,52,52,52	0
57	MG	2A	3782	1/1	0.97	0.09	23,23,23,23	0
57	MG	2A	3183	1/1	0.97	0.09	44,44,44,44	0
57	MG	1A	3657	1/1	0.97	0.11	31,31,31,31	0
57	MG	2A	3185	1/1	0.97	0.16	46,46,46,46	0
57	MG	1A	4017	1/1	0.97	0.11	27,27,27,27	0
57	MG	1A	3512	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3205	1/1	0.97	0.06	39,39,39,39	0
57	MG	2A	3789	1/1	0.97	0.05	45,45,45,45	0
57	MG	1A	3838	1/1	0.97	0.03	10,10,10,10	0
57	MG	1A	3514	1/1	0.97	0.17	41,41,41,41	0
57	MG	2a	3167	1/1	0.97	0.12	55,55,55,55	0
57	MG	2A	3469	1/1	0.97	0.21	40,40,40,40	0
57	MG	1A	3309	1/1	0.97	0.12	45,45,45,45	0
57	MG	1A	3407	1/1	0.97	0.10	43,43,43,43	0
57	MG	2A	3193	1/1	0.97	0.06	45,45,45,45	0
57	MG	1A	4024	1/1	0.97	0.05	39,39,39,39	0
57	MG	2A	3798	1/1	0.97	0.10	37,37,37,37	0
57	MG	1a	3179	1/1	0.97	0.06	42,42,42,42	0
57	MG	1A	3518	1/1	0.97	0.17	43,43,43,43	0
57	MG	2A	3476	1/1	0.97	0.09	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	3181	1/1	0.97	0.16	61,61,61,61	0
57	MG	1A	3086	1/1	0.97	0.21	37,37,37,37	0
57	MG	1A	3409	1/1	0.97	0.08	24,24,24,24	0
57	MG	2A	3805	1/1	0.97	0.15	61,61,61,61	0
57	MG	1A	3846	1/1	0.97	0.07	35,35,35,35	0
57	MG	2A	3807	1/1	0.97	0.11	39,39,39,39	0
57	MG	1A	3087	1/1	0.97	0.12	38,38,38,38	0
57	MG	1A	3060	1/1	0.97	0.08	30,30,30,30	0
57	MG	1A	3673	1/1	0.97	0.20	22,22,22,22	0
57	MG	1A	3850	1/1	0.97	0.12	43,43,43,43	0
57	MG	2a	3187	1/1	0.97	0.08	62,62,62,62	0
57	MG	2a	3188	1/1	0.97	0.11	48,48,48,48	0
57	MG	1A	3523	1/1	0.97	0.12	28,28,28,28	0
57	MG	1A	3004	1/1	0.97	0.06	18,18,18,18	0
57	MG	1A	3046	1/1	0.97	0.08	29,29,29,29	0
57	MG	2A	3816	1/1	0.97	0.18	36,36,36,36	0
57	MG	2a	3194	1/1	0.97	0.07	50,50,50,50	0
57	MG	2A	3817	1/1	0.97	0.06	49,49,49,49	0
57	MG	1A	3217	1/1	0.97	0.06	31,31,31,31	0
57	MG	2a	3198	1/1	0.97	0.05	52,52,52,52	0
57	MG	1A	3131	1/1	0.97	0.10	29,29,29,29	0
57	MG	1A	4265	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3221	1/1	0.97	0.14	45,45,45,45	0
57	MG	1A	3017	1/1	0.97	0.10	44,44,44,44	0
57	MG	1A	3064	1/1	0.97	0.11	42,42,42,42	0
57	MG	1A	4270	1/1	0.97	0.06	24,24,24,24	0
57	MG	1a	3201	1/1	0.97	0.05	59,59,59,59	0
57	MG	1A	3686	1/1	0.97	0.10	42,42,42,42	0
57	MG	2A	3498	1/1	0.97	0.05	36,36,36,36	0
57	MG	2a	3211	1/1	0.97	0.09	58,58,58,58	0
57	MG	2a	3212	1/1	0.97	0.10	38,38,38,38	0
57	MG	1A	4046	1/1	0.97	0.08	35,35,35,35	0
57	MG	1A	3135	1/1	0.97	0.08	47,47,47,47	0
57	MG	2A	3831	1/1	0.97	0.09	50,50,50,50	0
57	MG	2A	3219	1/1	0.97	0.07	48,48,48,48	0
57	MG	1a	3205	1/1	0.97	0.07	51,51,51,51	0
57	MG	1A	4048	1/1	0.97	0.19	24,24,24,24	0
57	MG	1A	4049	1/1	0.97	0.06	45,45,45,45	0
57	MG	2A	3507	1/1	0.97	0.04	33,33,33,33	0
57	MG	2A	3223	1/1	0.97	0.05	36,36,36,36	0
57	MG	1A	3692	1/1	0.97	0.04	27,27,27,27	0
57	MG	1A	4051	1/1	0.97	0.06	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	2a	3225	1/1	0.97	0.11	45,45,45,45	0
57	MG	1A	3694	1/1	0.97	0.08	32,32,32,32	0
57	MG	1a	3212	1/1	0.97	0.11	45,45,45,45	0
57	MG	1A	3321	1/1	0.97	0.08	23,23,23,23	0
57	MG	1A	3027	1/1	0.97	0.12	31,31,31,31	0
57	MG	2A	3844	1/1	0.97	0.08	52,52,52,52	0
57	MG	1A	4057	1/1	0.97	0.03	25,25,25,25	0
57	MG	2A	3846	1/1	0.97	0.07	44,44,44,44	0
57	MG	2A	3848	1/1	0.97	0.08	46,46,46,46	0
57	MG	2A	3850	1/1	0.97	0.05	59,59,59,59	0
57	MG	1A	3227	1/1	0.97	0.14	23,23,23,23	0
57	MG	2A	3518	1/1	0.97	0.07	46,46,46,46	0
57	MG	2A	3520	1/1	0.97	0.07	52,52,52,52	0
57	MG	1A	3539	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3700	1/1	0.97	0.09	35,35,35,35	0
57	MG	2a	3241	1/1	0.97	0.19	50,50,50,50	0
57	MG	1A	4287	1/1	0.97	0.08	35,35,35,35	0
57	MG	2a	3243	1/1	0.97	0.10	46,46,46,46	0
57	MG	1A	3138	1/1	0.97	0.11	29,29,29,29	0
57	MG	1A	3703	1/1	0.97	0.09	34,34,34,34	0
57	MG	1A	4063	1/1	0.97	0.04	54,54,54,54	0
57	MG	1a	3229	1/1	0.97	0.06	56,56,56,56	0
57	MG	2A	3240	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3139	1/1	0.97	0.04	26,26,26,26	0
57	MG	1A	3705	1/1	0.97	0.13	32,32,32,32	0
57	MG	1A	3011	1/1	0.97	0.09	27,27,27,27	0
57	MG	1a	3233	1/1	0.97	0.09	46,46,46,46	0
57	MG	1A	3707	1/1	0.97	0.07	31,31,31,31	0
57	MG	1A	3877	1/1	0.97	0.04	44,44,44,44	0
57	MG	1A	3232	1/1	0.97	0.07	29,29,29,29	0
57	MG	1A	3233	1/1	0.97	0.12	50,50,50,50	0
57	MG	2A	3250	1/1	0.97	0.08	59,59,59,59	0
57	MG	2A	3873	1/1	0.97	0.05	53,53,53,53	0
57	MG	2A	3251	1/1	0.97	0.11	35,35,35,35	0
57	MG	1A	3880	1/1	0.97	0.06	41,41,41,41	0
57	MG	2A	3540	1/1	0.97	0.11	46,46,46,46	0
57	MG	1A	4075	1/1	0.97	0.05	61,61,61,61	0
57	MG	1A	3097	1/1	0.97	0.07	20,20,20,20	0
57	MG	2A	3879	1/1	0.97	0.12	52,52,52,52	0
57	MG	1A	3882	1/1	0.97	0.14	28,28,28,28	0
57	MG	2A	3881	1/1	0.97	0.06	47,47,47,47	0
57	MG	1a	3005	1/1	0.97	0.06	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3547	1/1	0.97	0.16	39,39,39,39	0
57	MG	1A	3713	1/1	0.97	0.11	35,35,35,35	0
57	MG	2a	3271	1/1	0.97	0.12	44,44,44,44	0
57	MG	2A	3549	1/1	0.97	0.11	33,33,33,33	0
57	MG	1A	4081	1/1	0.97	0.06	44,44,44,44	0
57	MG	1A	3884	1/1	0.97	0.05	12,12,12,12	0
57	MG	2A	3553	1/1	0.97	0.10	28,28,28,28	0
57	MG	1A	3885	1/1	0.97	0.10	48,48,48,48	0
57	MG	1a	3010	1/1	0.97	0.11	57,57,57,57	0
57	MG	1A	3547	1/1	0.97	0.11	19,19,19,19	0
57	MG	1A	3715	1/1	0.97	0.04	42,42,42,42	0
57	MG	1A	3331	1/1	0.97	0.10	34,34,34,34	0
57	MG	1A	3718	1/1	0.97	0.05	38,38,38,38	0
57	MG	1A	3143	1/1	0.97	0.07	36,36,36,36	0
57	MG	1A	3019	1/1	0.97	0.06	36,36,36,36	0
59	ZN	2Y	501	1/1	0.97	0.05	88,88,88,88	0
59	ZN	24	501	1/1	0.97	0.12	114,114,114,114	0
59	ZN	2n	501	1/1	0.97	0.04	79,79,79,79	0
57	MG	1A	3474	1/1	0.98	0.12	28,28,28,28	0
57	MG	2A	3468	1/1	0.98	0.24	41,41,41,41	0
57	MG	1A	3716	1/1	0.98	0.16	21,21,21,21	0
57	MG	1A	3476	1/1	0.98	0.17	28,28,28,28	0
57	MG	1A	3388	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3236	1/1	0.98	0.04	34,34,34,34	0
57	MG	1A	3579	1/1	0.98	0.18	53,53,53,53	0
57	MG	1A	3030	1/1	0.98	0.09	23,23,23,23	0
57	MG	1A	3723	1/1	0.98	0.16	32,32,32,32	0
57	MG	1A	3391	1/1	0.98	0.12	24,24,24,24	0
57	MG	1A	3031	1/1	0.98	0.11	34,34,34,34	0
57	MG	1a	3090	1/1	0.98	0.14	31,31,31,31	0
57	MG	1A	3870	1/1	0.98	0.03	20,20,20,20	0
57	MG	1A	3871	1/1	0.98	0.06	15,15,15,15	0
57	MG	1A	3136	1/1	0.98	0.06	22,22,22,22	0
57	MG	1A	3394	1/1	0.98	0.14	42,42,42,42	0
57	MG	1A	3085	1/1	0.98	0.12	28,28,28,28	0
57	MG	1A	3729	1/1	0.98	0.10	22,22,22,22	0
57	MG	1A	3241	1/1	0.98	0.09	38,38,38,38	0
57	MG	2a	3034	1/1	0.98	0.21	54,54,54,54	0
57	MG	2A	3265	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	3009	1/1	0.98	0.05	17,17,17,17	0
57	MG	2A	3052	1/1	0.98	0.07	33,33,33,33	0
57	MG	2A	3739	1/1	0.98	0.06	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4031	1/1	0.98	0.06	46,46,46,46	0
57	MG	1A	4032	1/1	0.98	0.06	29,29,29,29	0
57	MG	1A	3588	1/1	0.98	0.12	26,26,26,26	0
57	MG	2A	3271	1/1	0.98	0.19	45,45,45,45	0
57	MG	1A	3488	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3489	1/1	0.98	0.07	39,39,39,39	0
57	MG	2A	3746	1/1	0.98	0.04	49,49,49,49	0
57	MG	1A	3183	1/1	0.98	0.28	30,30,30,30	0
57	MG	1A	3245	1/1	0.98	0.17	25,25,25,25	0
57	MG	1A	3108	1/1	0.98	0.12	28,28,28,28	0
57	MG	1A	4214	1/1	0.98	0.05	44,44,44,44	0
57	MG	1A	3187	1/1	0.98	0.14	18,18,18,18	0
57	MG	1A	3596	1/1	0.98	0.28	33,33,33,33	0
57	MG	2A	3502	1/1	0.98	0.05	25,25,25,25	0
57	MG	2A	3503	1/1	0.98	0.18	35,35,35,35	0
57	MG	1A	4041	1/1	0.98	0.12	32,32,32,32	0
57	MG	1A	4042	1/1	0.98	0.06	23,23,23,23	0
57	MG	1A	3033	1/1	0.98	0.10	21,21,21,21	0
57	MG	1A	4220	1/1	0.98	0.08	39,39,39,39	0
57	MG	1A	3111	1/1	0.98	0.04	21,21,21,21	0
57	MG	1A	3112	1/1	0.98	0.07	21,21,21,21	0
57	MG	1A	3889	1/1	0.98	0.06	36,36,36,36	0
57	MG	1A	3193	1/1	0.98	0.10	33,33,33,33	0
57	MG	1A	3406	1/1	0.98	0.06	34,34,34,34	0
57	MG	2A	3513	1/1	0.98	0.08	38,38,38,38	0
57	MG	2A	3765	1/1	0.98	0.07	54,54,54,54	0
57	MG	1A	3144	1/1	0.98	0.14	18,18,18,18	0
57	MG	1A	3088	1/1	0.98	0.13	29,29,29,29	0
57	MG	1A	3255	1/1	0.98	0.09	27,27,27,27	0
57	MG	1A	3410	1/1	0.98	0.13	29,29,29,29	0
57	MG	1a	3124	1/1	0.98	0.11	41,41,41,41	0
57	MG	2A	3519	1/1	0.98	0.03	32,32,32,32	0
57	MG	1A	4053	1/1	0.98	0.05	31,31,31,31	0
57	MG	1a	3127	1/1	0.98	0.18	28,28,28,28	0
57	MG	2a	3073	1/1	0.98	0.10	47,47,47,47	0
57	MG	1A	3196	1/1	0.98	0.08	34,34,34,34	0
57	MG	2A	3081	1/1	0.98	0.03	18,18,18,18	0
57	MG	1A	3258	1/1	0.98	0.09	26,26,26,26	0
57	MG	1A	4056	1/1	0.98	0.03	25,25,25,25	0
57	MG	1A	4235	1/1	0.98	0.07	32,32,32,32	0
57	MG	1A	4236	1/1	0.98	0.07	10,10,10,10	0
57	MG	2a	3080	1/1	0.98	0.08	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4237	1/1	0.98	0.11	30,30,30,30	0
57	MG	2A	3781	1/1	0.98	0.07	30,30,30,30	0
57	MG	1A	3066	1/1	0.98	0.09	29,29,29,29	0
57	MG	1A	3260	1/1	0.98	0.06	42,42,42,42	0
57	MG	1A	3415	1/1	0.98	0.16	31,31,31,31	0
57	MG	1A	3090	1/1	0.98	0.11	23,23,23,23	0
57	MG	1A	3755	1/1	0.98	0.10	7,7,7,7	0
57	MG	1A	4243	1/1	0.98	0.04	17,17,17,17	0
57	MG	1A	3149	1/1	0.98	0.06	16,16,16,16	0
57	MG	1A	3615	1/1	0.98	0.10	37,37,37,37	0
57	MG	1A	4064	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3116	1/1	0.98	0.13	19,19,19,19	0
57	MG	1A	4248	1/1	0.98	0.06	41,41,41,41	0
57	MG	2A	3098	1/1	0.98	0.08	34,34,34,34	0
57	MG	1A	4066	1/1	0.98	0.06	48,48,48,48	0
57	MG	2A	3795	1/1	0.98	0.04	24,24,24,24	0
57	MG	1A	3909	1/1	0.98	0.03	25,25,25,25	0
57	MG	1A	3617	1/1	0.98	0.03	13,13,13,13	0
57	MG	2A	3545	1/1	0.98	0.13	29,29,29,29	0
57	MG	1A	3762	1/1	0.98	0.07	27,27,27,27	0
57	MG	1A	3763	1/1	0.98	0.10	32,32,32,32	0
57	MG	1A	3618	1/1	0.98	0.03	28,28,28,28	0
57	MG	1A	3619	1/1	0.98	0.10	26,26,26,26	0
57	MG	1A	3620	1/1	0.98	0.13	28,28,28,28	0
57	MG	2A	3551	1/1	0.98	0.11	41,41,41,41	0
57	MG	1A	3622	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3025	1/1	0.98	0.20	16,16,16,16	0
57	MG	1A	3036	1/1	0.98	0.13	20,20,20,20	0
57	MG	1A	3919	1/1	0.98	0.06	14,14,14,14	0
57	MG	1A	4080	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3153	1/1	0.98	0.23	26,26,26,26	0
57	MG	1A	3204	1/1	0.98	0.25	31,31,31,31	0
57	MG	1A	4083	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3628	1/1	0.98	0.06	16,16,16,16	0
57	MG	2A	3814	1/1	0.98	0.05	47,47,47,47	0
57	MG	1A	3923	1/1	0.98	0.06	17,17,17,17	0
57	MG	1A	3007	1/1	0.98	0.04	29,29,29,29	0
57	MG	1A	3775	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	4088	1/1	0.98	0.04	45,45,45,45	0
57	MG	1A	3206	1/1	0.98	0.15	28,28,28,28	0
57	MG	1A	4091	1/1	0.98	0.08	51,51,51,51	0
57	MG	1A	3633	1/1	0.98	0.06	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3569	1/1	0.98	0.06	57,57,57,57	0
57	MG	2A	3823	1/1	0.98	0.05	48,48,48,48	0
57	MG	1A	3517	1/1	0.98	0.06	42,42,42,42	0
57	MG	1A	3155	1/1	0.98	0.06	31,31,31,31	0
57	MG	1A	3427	1/1	0.98	0.06	17,17,17,17	0
57	MG	1a	3174	1/1	0.98	0.07	49,49,49,49	0
57	MG	1A	3639	1/1	0.98	0.17	31,31,31,31	0
57	MG	1A	3272	1/1	0.98	0.05	24,24,24,24	0
57	MG	1A	3210	1/1	0.98	0.22	27,27,27,27	0
57	MG	1A	4281	1/1	0.98	0.04	28,28,28,28	0
57	MG	2A	3131	1/1	0.98	0.10	30,30,30,30	0
57	MG	2A	3579	1/1	0.98	0.06	28,28,28,28	0
57	MG	1A	3934	1/1	0.98	0.05	29,29,29,29	0
57	MG	2A	3581	1/1	0.98	0.12	17,17,17,17	0
57	MG	1A	4283	1/1	0.98	0.04	37,37,37,37	0
57	MG	1A	3642	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3785	1/1	0.98	0.04	20,20,20,20	0
57	MG	1a	3183	1/1	0.98	0.08	58,58,58,58	0
57	MG	1A	3274	1/1	0.98	0.06	53,53,53,53	0
57	MG	1A	3012	1/1	0.98	0.09	22,22,22,22	0
57	MG	1A	4288	1/1	0.98	0.04	49,49,49,49	0
57	MG	1A	3524	1/1	0.98	0.09	37,37,37,37	0
57	MG	1A	3276	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3277	1/1	0.98	0.05	32,32,32,32	0
57	MG	2A	3592	1/1	0.98	0.05	43,43,43,43	0
57	MG	2A	3847	1/1	0.98	0.05	29,29,29,29	0
57	MG	1A	3942	1/1	0.98	0.04	29,29,29,29	0
57	MG	2A	3849	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3434	1/1	0.98	0.06	46,46,46,46	0
57	MG	1A	3278	1/1	0.98	0.05	32,32,32,32	0
57	MG	2A	3852	1/1	0.98	0.03	44,44,44,44	0
57	MG	2A	3853	1/1	0.98	0.05	37,37,37,37	0
57	MG	1A	3157	1/1	0.98	0.22	31,31,31,31	0
57	MG	2A	3147	1/1	0.98	0.10	27,27,27,27	0
57	MG	1A	3651	1/1	0.98	0.07	41,41,41,41	0
57	MG	1A	3948	1/1	0.98	0.21	13,13,13,13	0
57	MG	2A	3600	1/1	0.98	0.05	29,29,29,29	0
57	MG	1A	3530	1/1	0.98	0.06	27,27,27,27	0
57	MG	1A	3531	1/1	0.98	0.12	32,32,32,32	0
57	MG	1A	3072	1/1	0.98	0.05	19,19,19,19	0
57	MG	1A	3533	1/1	0.98	0.07	36,36,36,36	0
57	MG	2A	3155	1/1	0.98	0.09	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	4118	1/1	0.98	0.06	53,53,53,53	0
57	MG	2A	3607	1/1	0.98	0.09	37,37,37,37	0
57	MG	1A	3123	1/1	0.98	0.06	26,26,26,26	0
57	MG	1A	3216	1/1	0.98	0.05	32,32,32,32	0
57	MG	1A	3659	1/1	0.98	0.06	34,34,34,34	0
57	MG	1A	3956	1/1	0.98	0.05	22,22,22,22	0
57	MG	1A	3055	1/1	0.98	0.07	24,24,24,24	0
57	MG	1A	4124	1/1	0.98	0.04	33,33,33,33	0
57	MG	1A	4125	1/1	0.98	0.06	42,42,42,42	0
57	MG	1A	3804	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3074	1/1	0.98	0.07	29,29,29,29	0
57	MG	2A	3617	1/1	0.98	0.08	42,42,42,42	0
57	MG	1A	3285	1/1	0.98	0.18	35,35,35,35	0
57	MG	1a	3213	1/1	0.98	0.04	40,40,40,40	0
57	MG	1A	3358	1/1	0.98	0.05	37,37,37,37	0
57	MG	1a	3017	1/1	0.98	0.13	39,39,39,39	0
57	MG	1A	3219	1/1	0.98	0.09	19,19,19,19	0
57	MG	1A	3163	1/1	0.98	0.08	36,36,36,36	0
57	MG	1A	3811	1/1	0.98	0.08	11,11,11,11	0
57	MG	1a	3219	1/1	0.98	0.05	32,32,32,32	0
57	MG	2A	3390	1/1	0.98	0.09	45,45,45,45	0
57	MG	1A	3222	1/1	0.98	0.10	31,31,31,31	0
57	MG	1a	3221	1/1	0.98	0.04	46,46,46,46	0
57	MG	1a	3222	1/1	0.98	0.04	35,35,35,35	0
57	MG	1a	3223	1/1	0.98	0.04	52,52,52,52	0
57	MG	2A	3179	1/1	0.98	0.04	40,40,40,40	0
57	MG	1A	3813	1/1	0.98	0.04	10,10,10,10	0
57	MG	2A	3634	1/1	0.98	0.05	36,36,36,36	0
57	MG	2A	3635	1/1	0.98	0.03	40,40,40,40	0
57	MG	2a	3196	1/1	0.98	0.06	56,56,56,56	0
57	MG	1A	3040	1/1	0.98	0.15	29,29,29,29	0
57	MG	2A	3637	1/1	0.98	0.07	35,35,35,35	0
57	MG	1A	3290	1/1	0.98	0.11	32,32,32,32	0
57	MG	1A	3449	1/1	0.98	0.10	41,41,41,41	0
57	MG	2a	3201	1/1	0.98	0.05	59,59,59,59	0
57	MG	1a	3228	1/1	0.98	0.06	56,56,56,56	0
57	MG	2A	3898	1/1	0.98	0.04	28,28,28,28	0
57	MG	1A	3817	1/1	0.98	0.03	22,22,22,22	0
57	MG	1A	4139	1/1	0.98	0.06	42,42,42,42	0
57	MG	2A	3902	1/1	0.98	0.06	42,42,42,42	0
57	MG	2a	3208	1/1	0.98	0.07	49,49,49,49	0
57	MG	1A	3041	1/1	0.98	0.17	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3404	1/1	0.98	0.12	45,45,45,45	0
57	MG	1A	3292	1/1	0.98	0.08	28,28,28,28	0
57	MG	2A	3646	1/1	0.98	0.06	23,23,23,23	0
57	MG	2A	3907	1/1	0.98	0.06	34,34,34,34	0
57	MG	1A	3677	1/1	0.98	0.23	21,21,21,21	0
57	MG	1A	3678	1/1	0.98	0.14	19,19,19,19	0
57	MG	1a	3235	1/1	0.98	0.06	50,50,50,50	0
57	MG	1A	4144	1/1	0.98	0.05	11,11,11,11	0
57	MG	1A	3549	1/1	0.98	0.13	24,24,24,24	0
57	MG	1A	3366	1/1	0.98	0.08	28,28,28,28	0
57	MG	1A	3128	1/1	0.98	0.06	19,19,19,19	0
57	MG	1A	3454	1/1	0.98	0.15	32,32,32,32	0
57	MG	2A	3656	1/1	0.98	0.08	32,32,32,32	0
57	MG	1A	3168	1/1	0.98	0.04	17,17,17,17	0
57	MG	2a	3224	1/1	0.98	0.07	47,47,47,47	0
57	MG	1A	3372	1/1	0.98	0.09	29,29,29,29	0
57	MG	1A	3170	1/1	0.98	0.24	33,33,33,33	0
57	MG	1A	3687	1/1	0.98	0.16	24,24,24,24	0
57	MG	1A	3458	1/1	0.98	0.05	38,38,38,38	0
57	MG	2A	3663	1/1	0.98	0.04	26,26,26,26	0
57	MG	2a	3230	1/1	0.98	0.10	49,49,49,49	0
57	MG	1A	3690	1/1	0.98	0.04	27,27,27,27	0
57	MG	1A	3691	1/1	0.98	0.12	30,30,30,30	0
57	MG	1A	4156	1/1	0.98	0.04	19,19,19,19	0
57	MG	1A	4157	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3374	1/1	0.98	0.16	20,20,20,20	0
57	MG	1A	3693	1/1	0.98	0.07	34,34,34,34	0
57	MG	1a	3049	1/1	0.98	0.07	51,51,51,51	0
57	MG	1A	4160	1/1	0.98	0.06	23,23,23,23	0
57	MG	1A	3058	1/1	0.98	0.07	33,33,33,33	0
57	MG	1a	3053	1/1	0.98	0.07	34,34,34,34	0
57	MG	1A	3695	1/1	0.98	0.09	34,34,34,34	0
57	MG	1A	3298	1/1	0.98	0.19	26,26,26,26	0
57	MG	1A	3003	1/1	0.98	0.03	11,11,11,11	0
57	MG	1A	4165	1/1	0.98	0.03	28,28,28,28	0
57	MG	2A	3938	1/1	0.98	0.09	44,44,44,44	0
57	MG	1A	3842	1/1	0.98	0.03	7,7,7,7	0
57	MG	2A	3679	1/1	0.98	0.09	43,43,43,43	0
57	MG	1A	3561	1/1	0.98	0.07	51,51,51,51	0
57	MG	1A	3562	1/1	0.98	0.05	35,35,35,35	0
57	MG	1A	3463	1/1	0.98	0.04	41,41,41,41	0
57	MG	2A	3944	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	1A	3701	1/1	0.98	0.04	39,39,39,39	0
57	MG	1A	3301	1/1	0.98	0.12	23,23,23,23	0
57	MG	2A	3439	1/1	0.98	0.25	47,47,47,47	0
57	MG	2A	3440	1/1	0.98	0.10	30,30,30,30	0
57	MG	1A	3173	1/1	0.98	0.12	26,26,26,26	0
57	MG	1a	3065	1/1	0.98	0.08	41,41,41,41	0
57	MG	2a	3258	1/1	0.98	0.04	49,49,49,49	0
57	MG	2A	3443	1/1	0.98	0.20	41,41,41,41	0
57	MG	2A	3225	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	3303	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3231	1/1	0.98	0.05	31,31,31,31	0
57	MG	2A	3015	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	4176	1/1	0.98	0.04	24,24,24,24	0
57	MG	2A	3017	1/1	0.98	0.11	40,40,40,40	0
57	MG	1A	4177	1/1	0.98	0.04	46,46,46,46	0
57	MG	2A	3019	1/1	0.98	0.09	33,33,33,33	0
57	MG	2A	3698	1/1	0.98	0.09	44,44,44,44	0
57	MG	1A	3043	1/1	0.98	0.05	22,22,22,22	0
57	MG	1A	3015	1/1	0.98	0.10	21,21,21,21	0
57	MG	2A	3701	1/1	0.98	0.06	51,51,51,51	0
57	MG	2A	3454	1/1	0.98	0.16	54,54,54,54	0
57	MG	1A	3133	1/1	0.98	0.23	38,38,38,38	0
57	MG	2A	3704	1/1	0.98	0.09	30,30,30,30	0
57	MG	1A	3571	1/1	0.98	0.12	28,28,28,28	0
57	MG	2A	3706	1/1	0.98	0.08	32,32,32,32	0
57	MG	2A	3024	1/1	0.98	0.05	29,29,29,29	0
57	MG	1A	3235	1/1	0.98	0.08	36,36,36,36	0
57	MG	1A	4008	1/1	0.98	0.04	16,16,16,16	0
57	MG	2A	3027	1/1	0.98	0.06	37,37,37,37	0
57	MG	1A	3711	1/1	0.98	0.08	33,33,33,33	0
58	K	1A	3602	1/1	0.98	0.04	24,24,24,24	0
57	MG	1A	3386	1/1	0.98	0.06	45,45,45,45	0
57	MG	1A	3858	1/1	0.98	0.07	37,37,37,37	0
57	MG	2A	3031	1/1	0.98	0.14	32,32,32,32	0
57	MG	1A	3387	1/1	0.98	0.06	35,35,35,35	0
57	MG	2A	3246	1/1	0.98	0.04	34,34,34,34	0
60	SF4	2d	501	8/8	0.98	0.05	62,69,73,85	0
57	MG	2A	3153	1/1	0.99	0.07	30,30,30,30	0
57	MG	1A	3215	1/1	0.99	0.07	18,18,18,18	0
57	MG	1A	3146	1/1	0.99	0.03	29,29,29,29	0
57	MG	1A	3479	1/1	0.99	0.11	32,32,32,32	0
57	MG	1A	3189	1/1	0.99	0.03	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3947	1/1	0.99	0.03	20,20,20,20	0
57	MG	2a	3189	1/1	0.99	0.04	61,61,61,61	0
57	MG	1A	4262	1/1	0.99	0.05	20,20,20,20	0
57	MG	1A	3044	1/1	0.99	0.07	21,21,21,21	0
57	MG	2A	3544	1/1	0.99	0.05	19,19,19,19	0
57	MG	1A	3023	1/1	0.99	0.09	11,11,11,11	0
57	MG	1a	3052	1/1	0.99	0.07	34,34,34,34	0
57	MG	1A	3220	1/1	0.99	0.05	24,24,24,24	0
57	MG	1A	3621	1/1	0.99	0.03	32,32,32,32	0
57	MG	1A	3192	1/1	0.99	0.03	27,27,27,27	0
57	MG	2A	3166	1/1	0.99	0.12	28,28,28,28	0
57	MG	1A	3810	1/1	0.99	0.03	37,37,37,37	0
57	MG	1A	4269	1/1	0.99	0.05	38,38,38,38	0
57	MG	1A	3117	1/1	0.99	0.04	28,28,28,28	0
57	MG	1A	3253	1/1	0.99	0.17	20,20,20,20	0
57	MG	2A	3654	1/1	0.99	0.10	42,42,42,42	0
57	MG	2a	3099	1/1	0.99	0.15	42,42,42,42	0
57	MG	1A	3625	1/1	0.99	0.11	22,22,22,22	0
57	MG	1A	3685	1/1	0.99	0.12	31,31,31,31	0
57	MG	2a	3207	1/1	0.99	0.08	53,53,53,53	0
57	MG	1A	4111	1/1	0.99	0.04	31,31,31,31	0
57	MG	1A	3169	1/1	0.99	0.08	21,21,21,21	0
57	MG	1A	3024	1/1	0.99	0.17	26,26,26,26	0
57	MG	2A	3366	1/1	0.99	0.02	33,33,33,33	0
57	MG	1A	3688	1/1	0.99	0.09	33,33,33,33	0
57	MG	2A	3662	1/1	0.99	0.06	28,28,28,28	0
57	MG	1A	3078	1/1	0.99	0.03	23,23,23,23	0
57	MG	1A	3962	1/1	0.99	0.03	18,18,18,18	0
57	MG	2A	3564	1/1	0.99	0.10	38,38,38,38	0
57	MG	1A	3629	1/1	0.99	0.14	24,24,24,24	0
57	MG	1A	3257	1/1	0.99	0.09	20,20,20,20	0
57	MG	1A	3891	1/1	0.99	0.03	34,34,34,34	0
57	MG	2A	3182	1/1	0.99	0.05	28,28,28,28	0
57	MG	1a	3159	1/1	0.99	0.03	21,21,21,21	0
57	MG	1A	3326	1/1	0.99	0.02	23,23,23,23	0
57	MG	1A	3893	1/1	0.99	0.06	21,21,21,21	0
57	MG	1A	3632	1/1	0.99	0.03	31,31,31,31	0
57	MG	1A	3756	1/1	0.99	0.10	30,30,30,30	0
57	MG	1A	3757	1/1	0.99	0.08	25,25,25,25	0
57	MG	1A	3826	1/1	0.99	0.06	21,21,21,21	0
57	MG	1A	3827	1/1	0.99	0.06	19,19,19,19	0
57	MG	1A	3005	1/1	0.99	0.03	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	1A	3900	1/1	0.99	0.07	27,27,27,27	0
57	MG	1a	3169	1/1	0.99	0.06	35,35,35,35	0
57	MG	1A	3039	1/1	0.99	0.06	16,16,16,16	0
57	MG	1A	3635	1/1	0.99	0.12	26,26,26,26	0
57	MG	1A	3049	1/1	0.99	0.02	23,23,23,23	0
57	MG	1A	3637	1/1	0.99	0.07	43,43,43,43	0
57	MG	1A	3368	1/1	0.99	0.04	31,31,31,31	0
57	MG	1A	3070	1/1	0.99	0.04	26,26,26,26	0
57	MG	1A	3370	1/1	0.99	0.08	22,22,22,22	0
57	MG	1A	3766	1/1	0.99	0.04	43,43,43,43	0
57	MG	1A	3542	1/1	0.99	0.08	22,22,22,22	0
57	MG	1A	3371	1/1	0.99	0.14	20,20,20,20	0
57	MG	1A	3985	1/1	0.99	0.03	61,61,61,61	0
57	MG	1A	3589	1/1	0.99	0.05	29,29,29,29	0
57	MG	1A	3014	1/1	0.99	0.08	17,17,17,17	0
57	MG	1A	3177	1/1	0.99	0.08	23,23,23,23	0
57	MG	1A	3297	1/1	0.99	0.11	24,24,24,24	0
57	MG	1A	3416	1/1	0.99	0.20	21,21,21,21	0
57	MG	1A	4225	1/1	0.99	0.03	33,33,33,33	0
57	MG	2A	3900	1/1	0.99	0.05	35,35,35,35	0
57	MG	1a	3011	1/1	0.99	0.06	19,19,19,19	0
57	MG	1A	3140	1/1	0.99	0.14	21,21,21,21	0
57	MG	1A	3299	1/1	0.99	0.19	35,35,35,35	0
57	MG	1A	3265	1/1	0.99	0.12	20,20,20,20	0
57	MG	1A	3712	1/1	0.99	0.06	24,24,24,24	0
57	MG	1a	3192	1/1	0.99	0.05	44,44,44,44	0
57	MG	1A	3110	1/1	0.99	0.07	31,31,31,31	0
57	MG	1A	3338	1/1	0.99	0.03	26,26,26,26	0
57	MG	1A	3084	1/1	0.99	0.19	29,29,29,29	0
57	MG	2A	3910	1/1	0.99	0.04	18,18,18,18	0
57	MG	1A	4073	1/1	0.99	0.05	10,10,10,10	0
57	MG	1A	3021	1/1	0.99	0.06	19,19,19,19	0
57	MG	1a	3021	1/1	0.99	0.04	40,40,40,40	0
57	MG	1A	3207	1/1	0.99	0.17	19,19,19,19	0
57	MG	1A	4076	1/1	0.99	0.06	26,26,26,26	0
57	MG	1A	3656	1/1	0.99	0.18	18,18,18,18	0
57	MG	1A	3603	1/1	0.99	0.06	37,37,37,37	0
57	MG	1A	3720	1/1	0.99	0.08	25,25,25,25	0
57	MG	1A	3034	1/1	0.99	0.11	22,22,22,22	0
57	MG	1a	3114	1/1	0.99	0.07	34,34,34,34	0
57	MG	1A	3343	1/1	0.99	0.10	36,36,36,36	0
57	MG	1A	3209	1/1	0.99	0.19	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	3618	1/1	0.99	0.04	37,37,37,37	0
57	MG	1A	3162	1/1	0.99	0.07	23,23,23,23	0
57	MG	1A	3662	1/1	0.99	0.04	31,31,31,31	0
57	MG	1a	3210	1/1	0.99	0.05	52,52,52,52	0
57	MG	1A	3663	1/1	0.99	0.21	28,28,28,28	0
57	MG	1A	3010	1/1	0.99	0.09	29,29,29,29	0
57	MG	1A	3793	1/1	0.99	0.05	37,37,37,37	0
57	MG	1A	3185	1/1	0.99	0.07	21,21,21,21	0
57	MG	1A	4089	1/1	0.99	0.04	43,43,43,43	0
57	MG	1A	3186	1/1	0.99	0.09	32,32,32,32	0
57	MG	1A	3243	1/1	0.99	0.08	23,23,23,23	0
57	MG	1a	3126	1/1	0.99	0.13	39,39,39,39	0
59	ZN	1Y	501	1/1	0.99	0.02	56,56,56,56	0
57	MG	1A	3475	1/1	0.99	0.15	40,40,40,40	0
59	ZN	15	501	1/1	0.99	0.04	37,37,37,37	0
59	ZN	19	501	1/1	0.99	0.03	35,35,35,35	0
59	ZN	1n	501	1/1	0.99	0.03	47,47,47,47	0
57	MG	1A	3164	1/1	0.99	0.17	26,26,26,26	0
57	MG	1A	4173	1/1	0.99	0.04	42,42,42,42	0
59	ZN	25	501	1/1	0.99	0.03	52,52,52,52	0
59	ZN	26	501	1/1	0.99	0.04	53,53,53,53	0
59	ZN	29	501	1/1	0.99	0.03	59,59,59,59	0
57	MG	1A	3670	1/1	0.99	0.10	30,30,30,30	0
60	SF4	1d	501	8/8	0.99	0.06	47,48,61,68	0
57	MG	1A	3671	1/1	0.99	0.14	26,26,26,26	0
57	MG	1A	3824	1/1	1.00	0.03	16,16,16,16	0
59	ZN	16	501	1/1	1.00	0.02	36,36,36,36	0
57	MG	1A	3676	1/1	1.00	0.21	18,18,18,18	0

6.5 Other polymers (i)

There are no such residues in this entry.