



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 25, 2026 – 07:31 PM UTC

PDB ID : 7JQL / pdb_00007jql
Title : Crystal structure of the Thermus thermophilus 70S ribosome in complex with Bac7-001, mRNA, and deacylated P-site tRNA at 3.00Å resolution
Authors : Mardirossian, M.; Sola, R.; Beckert, B.; Valencic, E.; Collis, D.W.P.; Borisek, J.; Armas, F.; Di Stasi, A.; Buchmann, J.; Syroegin, E.A.; Polikanov, Y.S.; Magistrato, A.; Hilpert, K.; Wilson, D.N.; Scocchi, M.
Deposited on : 2020-08-11
Resolution : 3.00 Å(reported)

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

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A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
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

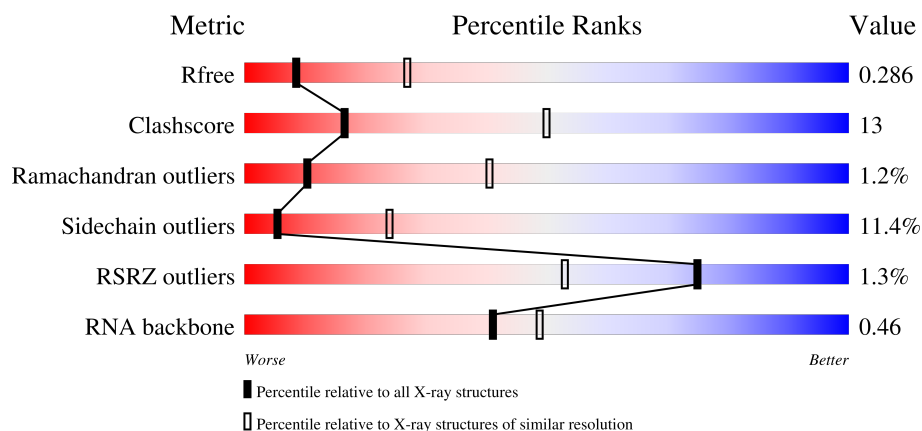
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.00 Å.

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



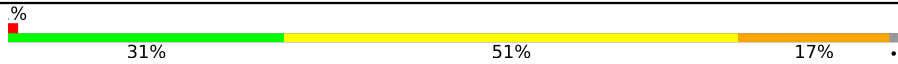
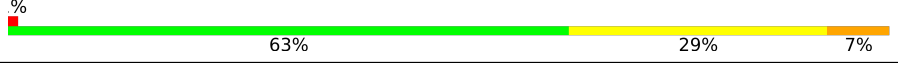
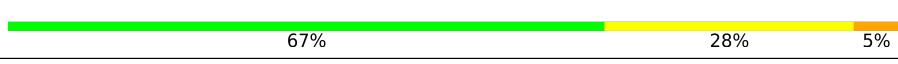
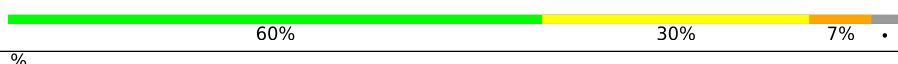
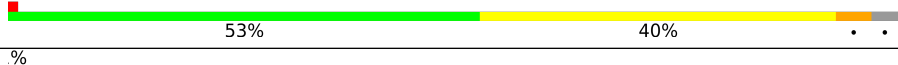
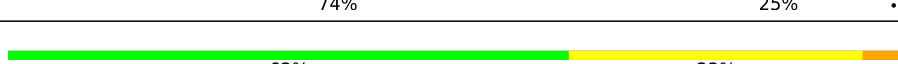
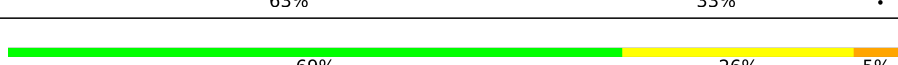
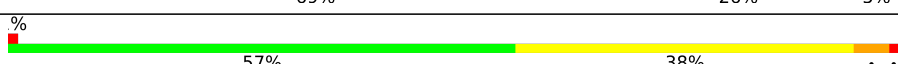
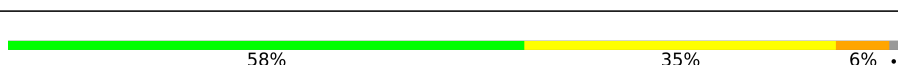
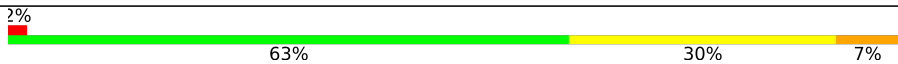
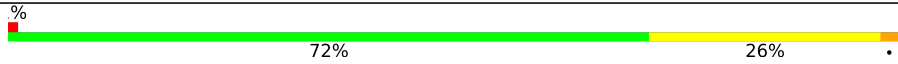
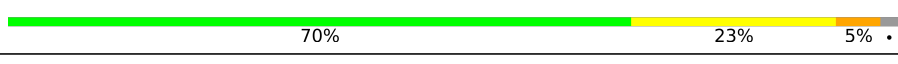
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	2672 (3.00-3.00)
Clashscore	190562	2977 (3.00-3.00)
Ramachandran outliers	187476	2877 (3.00-3.00)
Sidechain outliers	187428	2880 (3.00-3.00)
RSRZ outliers	180081	2671 (3.00-3.00)
RNA backbone	3983	1109 (3.20-2.80)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1A	2915	2% 51% 39% 9% .
1	2A	2915	% 45% 41% 10% .
2	1B	121	60% 33% 7% .

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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	

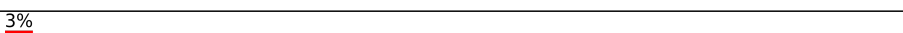
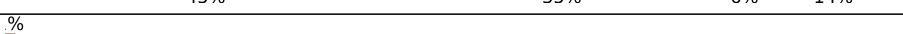
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Mol	Chain	Length	Quality of chain
15	1T	146	
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25	23	60	
26	14	71	
26	24	71	
27	15	60	

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

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Mol	Chain	Length	Quality of chain
52	2u	27	22% 41% 37% 7% 15%
53	1v	24	8% 17% 29% 8% 46%
53	2v	24	25% 21% 25% 8% 46%
54	1x	77	58% 34% 5% ..
54	2x	77	49% 36% 13% .
55	1z	16	12% 81% 19%
55	2z	16	6% 62% 19% 19%

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 293228 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	76	Total	C	N	O	S	0	0	0
			604	373	128	102	1			
22	20	76	Total	C	N	O	S	0	0	0
			604	373	128	102	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 P-site tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1x	76	Total	C	N	O	P	S	0	0
			1625	725	294	529	76	1		
54	2x	76	Total	C	N	O	P	S	0	0
			1625	725	294	529	76	1		

- Molecule 55 is a protein called Bac7-001.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	1z	16	Total	C	N	O	0	0	0
			143	92	35	16			
55	2z	16	Total	C	N	O	0	0	0
			143	92	35	16			

- Molecule 56 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1041	Total	Mg	0	0
			1041	1041		
56	1B	31	Total	Mg	0	0
			31	31		
56	1D	10	Total	Mg	0	0
			10	10		
56	1E	9	Total	Mg	0	0
			9	9		
56	1F	9	Total	Mg	0	0
			9	9		
56	1G	4	Total	Mg	0	0
			4	4		
56	1N	2	Total	Mg	0	0
			2	2		
56	1O	2	Total	Mg	0	0
			2	2		
56	1P	4	Total	Mg	0	0
			4	4		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Q	5	Total 5	Mg 5	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1S	2	Total 2	Mg 2	0	0
56	1T	5	Total 5	Mg 5	0	0
56	1U	10	Total 10	Mg 10	0	0
56	1V	6	Total 6	Mg 6	0	0
56	1W	5	Total 5	Mg 5	0	0
56	1X	5	Total 5	Mg 5	0	0
56	1Y	1	Total 1	Mg 1	0	0
56	1Z	2	Total 2	Mg 2	0	0
56	10	8	Total 8	Mg 8	0	0
56	11	1	Total 1	Mg 1	0	0
56	13	4	Total 4	Mg 4	0	0
56	15	7	Total 7	Mg 7	0	0
56	16	2	Total 2	Mg 2	0	0
56	17	7	Total 7	Mg 7	0	0
56	18	3	Total 3	Mg 3	0	0
56	19	2	Total 2	Mg 2	0	0
56	1a	221	Total 221	Mg 221	0	0
56	1b	1	Total 1	Mg 1	0	0
56	1e	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1f	2	Total 2	Mg 2	0	0
56	1h	1	Total 1	Mg 1	0	0
56	1l	3	Total 3	Mg 3	0	0
56	1m	1	Total 1	Mg 1	0	0
56	1n	2	Total 2	Mg 2	0	0
56	1s	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1v	1	Total 1	Mg 1	0	0
56	1x	15	Total 15	Mg 15	0	0
56	2A	810	Total 810	Mg 810	0	0
56	2B	15	Total 15	Mg 15	0	0
56	2D	4	Total 4	Mg 4	0	0
56	2E	9	Total 9	Mg 9	0	0
56	2F	2	Total 2	Mg 2	0	0
56	2G	1	Total 1	Mg 1	0	0
56	2O	2	Total 2	Mg 2	0	0
56	2P	2	Total 2	Mg 2	0	0
56	2Q	2	Total 2	Mg 2	0	0
56	2R	4	Total 4	Mg 4	0	0
56	2T	4	Total 4	Mg 4	0	0
56	2U	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2V	2	Total 2	Mg 2	0	0
56	2W	2	Total 2	Mg 2	0	0
56	2X	2	Total 2	Mg 2	0	0
56	2Y	1	Total 1	Mg 1	0	0
56	20	3	Total 3	Mg 3	0	0
56	23	1	Total 1	Mg 1	0	0
56	25	4	Total 4	Mg 4	0	0
56	26	1	Total 1	Mg 1	0	0
56	27	1	Total 1	Mg 1	0	0
56	28	1	Total 1	Mg 1	0	0
56	2a	217	Total 217	Mg 217	0	0
56	2d	1	Total 1	Mg 1	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	2i	1	Total 1	Mg 1	0	0
56	2k	1	Total 1	Mg 1	0	0
56	2l	1	Total 1	Mg 1	0	0
56	2n	1	Total 1	Mg 1	0	0
56	2q	1	Total 1	Mg 1	0	0
56	2r	1	Total 1	Mg 1	0	0
56	2t	1	Total 1	Mg 1	0	0

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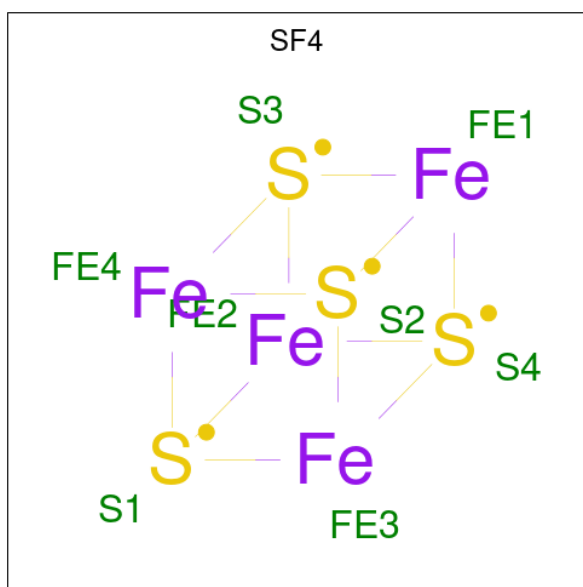
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2v	1	Total	Mg	0	0
			1	1		
56	2x	5	Total	Mg	0	0
			5	5		

- Molecule 57 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1Y	1	Total	Zn	0	0
			1	1		
57	14	1	Total	Zn	0	0
			1	1		
57	15	1	Total	Zn	0	0
			1	1		
57	16	1	Total	Zn	0	0
			1	1		
57	19	1	Total	Zn	0	0
			1	1		
57	1n	1	Total	Zn	0	0
			1	1		
57	2Y	1	Total	Zn	0	0
			1	1		
57	24	1	Total	Zn	0	0
			1	1		
57	25	1	Total	Zn	0	0
			1	1		
57	26	1	Total	Zn	0	0
			1	1		
57	29	1	Total	Zn	0	0
			1	1		
57	2n	1	Total	Zn	0	0
			1	1		

- Molecule 58 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
58	1d	1	Total	Fe	S	0	0
			8	4	4		
58	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 59 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	2A	1	Total	K	0	0
			1	1		

- Molecule 60 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1A	1949	Total	O	0	0
			1949	1949		
60	1B	50	Total	O	0	0
			50	50		
60	1D	21	Total	O	0	0
			21	21		
60	1E	14	Total	O	0	0
			14	14		
60	1F	9	Total	O	0	0
			9	9		
60	1G	1	Total	O	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1N	3	Total 3	O 3	0	0
60	1O	4	Total 4	O 4	0	0
60	1P	17	Total 17	O 17	0	0
60	1Q	3	Total 3	O 3	0	0
60	1R	8	Total 8	O 8	0	0
60	1S	1	Total 1	O 1	0	0
60	1T	3	Total 3	O 3	0	0
60	1U	5	Total 5	O 5	0	0
60	1V	2	Total 2	O 2	0	0
60	1W	5	Total 5	O 5	0	0
60	1X	3	Total 3	O 3	0	0
60	1Y	1	Total 1	O 1	0	0
60	10	5	Total 5	O 5	0	0
60	11	6	Total 6	O 6	0	0
60	13	5	Total 5	O 5	0	0
60	14	1	Total 1	O 1	0	0
60	15	5	Total 5	O 5	0	0
60	16	1	Total 1	O 1	0	0
60	17	7	Total 7	O 7	0	0
60	18	12	Total 12	O 12	0	0
60	19	1	Total 1	O 1	0	0

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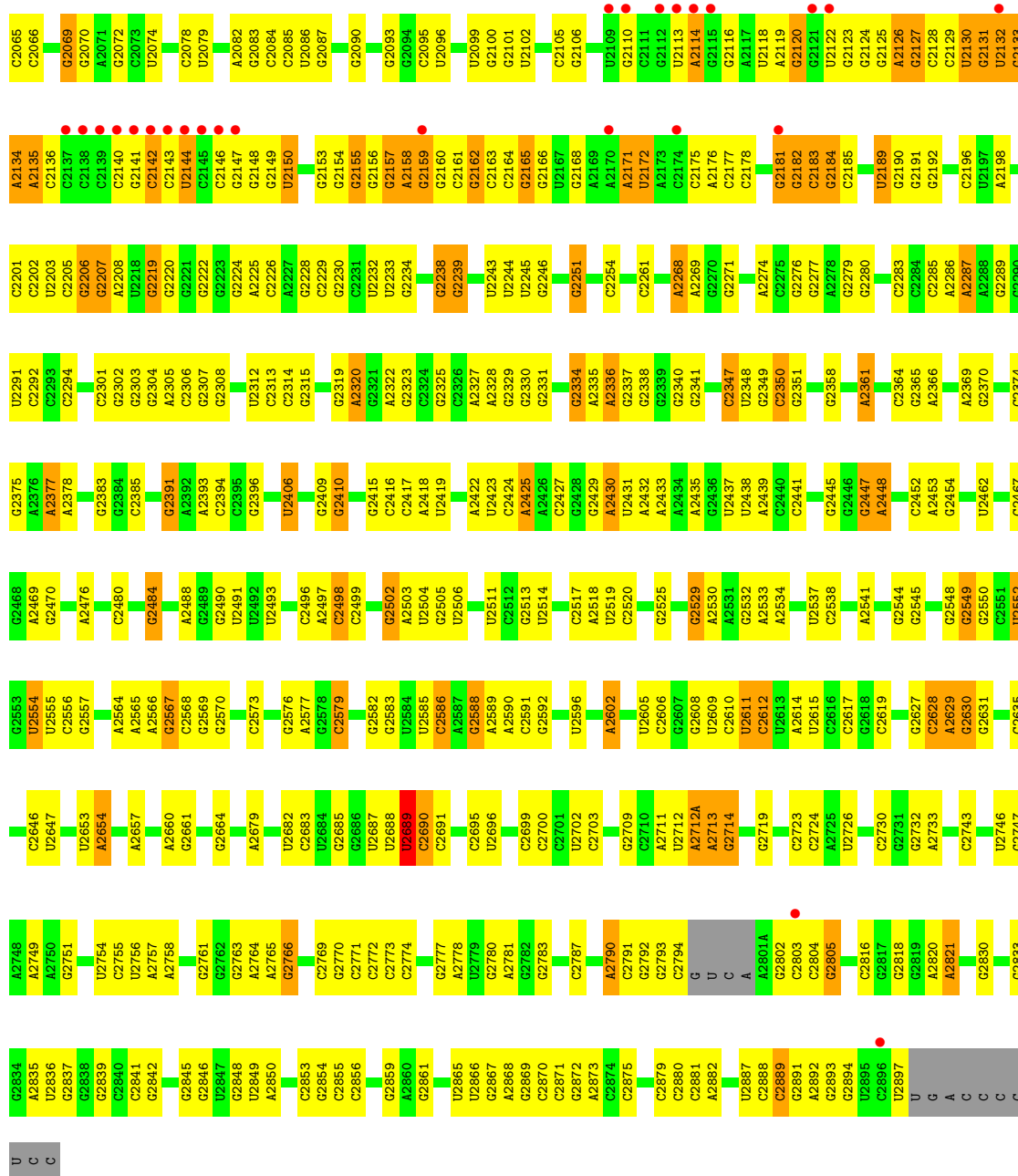
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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60	1b	1	Total 1	O 1	0	0
60	1e	1	Total 1	O 1	0	0
60	1i	1	Total 1	O 1	0	0
60	1l	4	Total 4	O 4	0	0
60	1o	1	Total 1	O 1	0	0
60	1q	3	Total 3	O 3	0	0
60	1v	5	Total 5	O 5	0	0
60	1x	16	Total 16	O 16	0	0
60	1z	3	Total 3	O 3	0	0
60	2A	917	Total 917	O 917	0	0
60	2B	4	Total 4	O 4	0	0
60	2D	14	Total 14	O 14	0	0
60	2E	10	Total 10	O 10	0	0
60	2F	12	Total 12	O 12	0	0
60	2N	1	Total 1	O 1	0	0
60	2O	2	Total 2	O 2	0	0
60	2P	8	Total 8	O 8	0	0
60	2Q	1	Total 1	O 1	0	0
60	2R	2	Total 2	O 2	0	0
60	2T	2	Total 2	O 2	0	0

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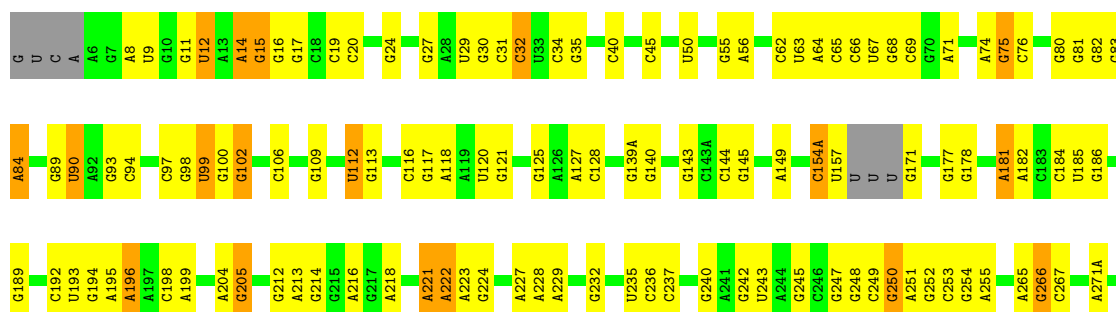
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2U	2	Total 2	O 2	0	0
60	2X	2	Total 2	O 2	0	0
60	2I	7	Total 7	O 7	0	0
60	27	1	Total 1	O 1	0	0
60	28	3	Total 3	O 3	0	0
60	2a	286	Total 286	O 286	0	0
60	2d	1	Total 1	O 1	0	0
60	2e	3	Total 3	O 3	0	0
60	2i	1	Total 1	O 1	0	0
60	2l	2	Total 2	O 2	0	0
60	2p	1	Total 1	O 1	0	0
60	2r	1	Total 1	O 1	0	0
60	2t	1	Total 1	O 1	0	0
60	2v	2	Total 2	O 2	0	0

U1991	G1599	G1799	G1625	G1537	G1466	G1380	G1290	G1195	G1115	G1052	A980	A887
G1992	A1700	C1800	G1626	G1538	C1467	A1384	C1291	G1196	C1116	C1053	A980	C888
U1993	A1701	G1539	G1627	G1539	C1468	G1385	C1292	C1201	G1117	A1054	A983	C889
C1996	G1704	G1629	U1629	G1540	A1471	G1386	C1293	C1202	C1118	G1055	A983	A890
G1997	G1705	G1630	G1631	G1541	G1475	C1387	G1296	G1203	C1119	G1056	A987	C892
C1998	U1706	G1631	A1631A	A1542	G1476	G1388	C1297	A1204	G1120	A1057	A987	C893
G1999	C1711	A1632	A1632	C1543	G1477	G1389	C1298	G1204	C1121	G1058	A993	C894
U1911	U1712	G1635	G1635	A1545	A1477	A1395	G1299	A1210	G1122	U	A994	U895
A1912	G1713	G1636	G1636	C1546	G1478	U1396	C1300	U1211	G1125	G1062	A994	A896
C1914	G1705	G1637	A1637	C1547	G1479	U1397	A1301	G1212	A1126	G1063	A996	C898
U1915	U1706	G1638	G1638	C1548	G1482	C1398	A1302	G1218	A1127	G1064	A1000	A899
A1916	G1717	U1639	U1639	A1554	G1484	G1400	A1308	C1218	A1128	U1060	A1001	A900
U1917	G1717	G1640	G1640	C1557	G1485	G1401	G1309	G1223	A1129	U1066	A1002	U907
A1918	G1720	A1641	A1641	A1558	G1486	U1406	U1312	G1227	G1126	G1067	G1003	A910
A1919	A1722	G1642	G1642	G1559	G1487	C1407	U1315	G1228	C1136	G1068	C1004	A910
C1920	G1745A	G1643	G1643	G1560	U1489	U1415	G1324	G1229	G1136	A1070	G1006	G916
U1923	G1746	G1648	G1648	G1561	A1490	C1411	G1328	G1230	C1140	G1071	C1007	A917
A1927	G1747	G1649	G1649	A1562	C1493	A1412	C1318	G1231	U1141	G1072	A1008	A918
A1928	G1747A	G1650	G1650	G1563	A1494	G1413	G1319	G1236	U1142	G1074	A1009	U922
G1930	G1748	G1651	G1651	A1566	A1495	G1414	G1320	A1237	A1143	C1075	G1011	C923
U1931	G1751	A1652	A1652	A1566	A1496	U1415	U1335	G1238	A1144	C1076	U1012	C924
A1932	G1752	A1653	A1653	A1569	G1500	C1417	G1328	G1239	G1144	A1077	C1013	C925
C1933	G1753	A1654	A1654	A1570	G1506	G1418	G1332	U1240	C1147	U1078	U1014	G928
A1934	C1754	A1655	A1655	A1571	C1507	A1419	C1333	G1243	A1148	C1080	G1016	G932
G1935	G1754	G1656	G1656	A1572	A1508	U1420	G1334	G1244	C1150	U1081	C1018	G932
U1936	G1755	C1657	C1657	A1578	G1509A	G1421	U1341	G1245	G1153	U1082	U1019	U937
G2023	G1758	G1658	G1658	G1579	C1509B	U1431	A1342	A1253	G1163	C1091	G1025	G952
A1937	A1759	G1659	G1659	G1580	G1510	U1434	G1343	G1256	G1164	C1092	U1026	A953
A1938	A1762	A1660	A1660	G1581	C1511	A1434	C1344	C1257	C1165	G1093	A1027	A954
U1939	G1763	G1666	G1666	G1582	U1514	A1439	A1352	G1260	C1166	A1095	A1029	G955
A2020	G1764	A1667	A1667	G1583	G1515	G1441	A1353	G1261	G1168	U1097	G1030	A957
C2021	G1767	A1668	A1668	C1584	G1516	G1442	A1354	G1264	G1171	A1098	U1033	U958
G2022	C1767	A1669	A1669	A1585	G1517	A1445	G1355	A1265	A1174	C1099	G1036	A959
A2023	A1773	C1670	C1670	A1587	U1518	A1446	G1356	U1267	U1175	C1100	U1037	A960
C2024	G1774	U1671	U1671	A1588	G1519	G1447	U1357	U1268	G1176	U1101	G1038	C961
C2025	G1775	G1672	G1672	G1589	U1520	G1448	G1358	A1269	G1177	C1102	G1039	G962
C2026	U1776	A1673	A1673	G1593	U1523	A1449	A1359	G1270	A1178	A1103	U1039	U963
C2027	U1777	G1674	G1674	G1594	A1528	G1450	A1360	G1271	C1179	C1104	G1042	G968
U2041	G1778	A1675	A1675	G1594	A1528A	G1451	G1364	G1272	C1179	U1105	C1043	U969
A2042	G1779	C1676	C1676	G1594	G1529	A1452	U1272	U1273	C1180	G1106	C1044	C970
C2043	G1780	A1677	A1677	U1602	C1530	U1453	A1365	A1274	C1181	G1107	A1045	C971
G2049	G1781	U1680	U1680	A1603	C1531	G1455	U1372	A1275	G1183	G1110	A1046	G972
C2050	A1782	G1681	G1681	G1603	G1532	G1459	U1376	A1276	G1186	A1111	G1047	A973
A2051	A1783	C1682	C1682	U1604	U	A1464	C1376	A1277	G1187	U1112	A1048	C974
G2052	A1784	G1683	G1683	A1609	A	C1465	A1379	A1278	G1188	G1113	G1051	C975
C2053	A1785	C1684	C1684	A1610	C	G1465				G1114		G975A
U2044	G1786	U1684	U1684	G1611								
A2045	G1787	A1685	A1685	G1612								
C2046	A1788	G1686	G1686	G1622								
C2047	G1789	C1687	C1687									
C2048	A1789	G1688	G1688									
C2049	C1790	G1689	G1689									
C2050	A1791	G1690	G1690									
A2051	G1792	U1693	U1693									
G2052	C1795	U1696	U1696									
C2053	U1796	G1697	G1697									
U2045	C1797	U1698	U1698									
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G2056												
A2059												
A2060												
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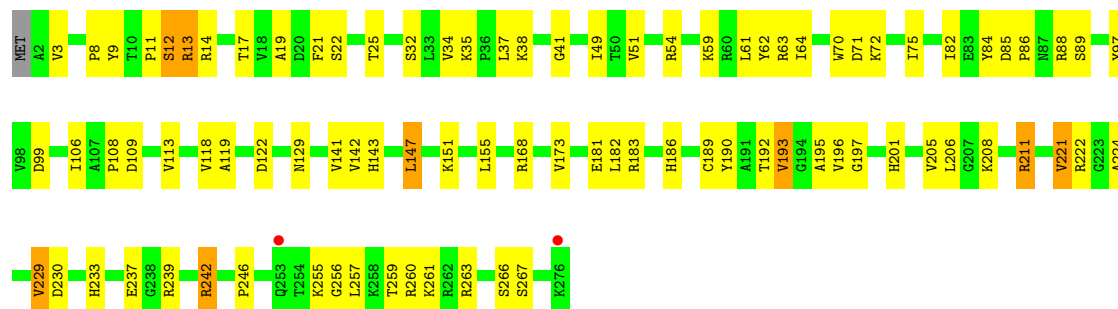


● Molecule 1: 23S Ribosomal RNA

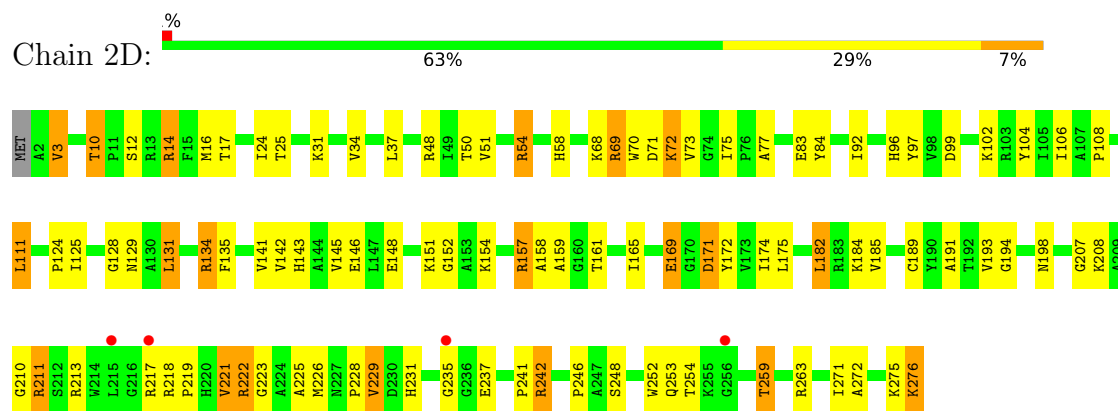


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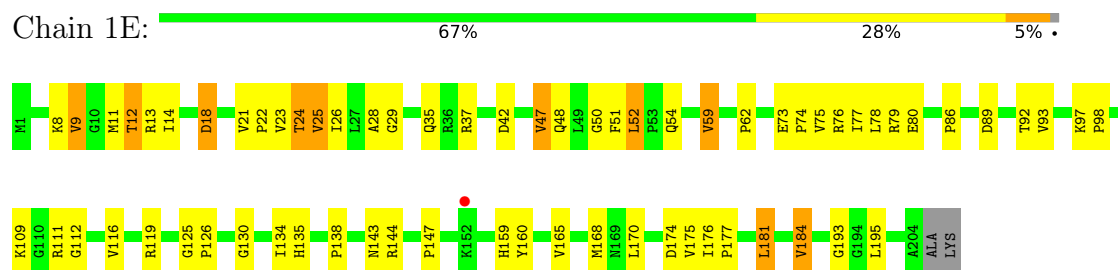
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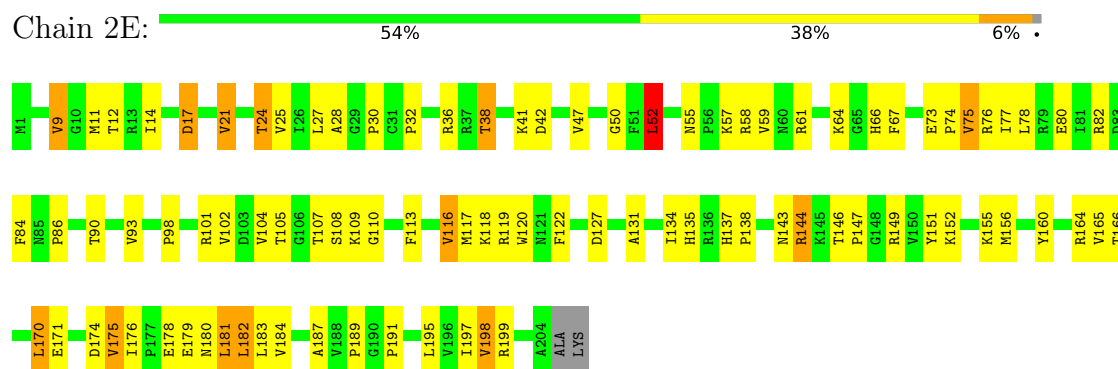
• Molecule 3: 50S ribosomal protein L2



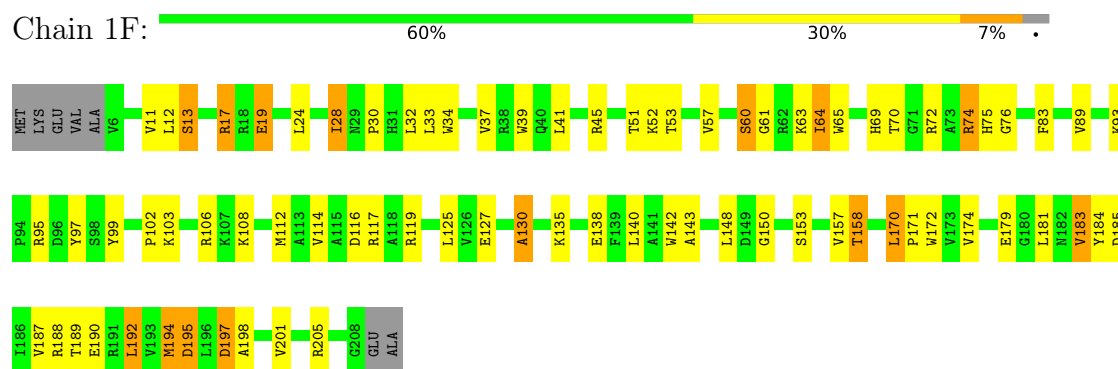
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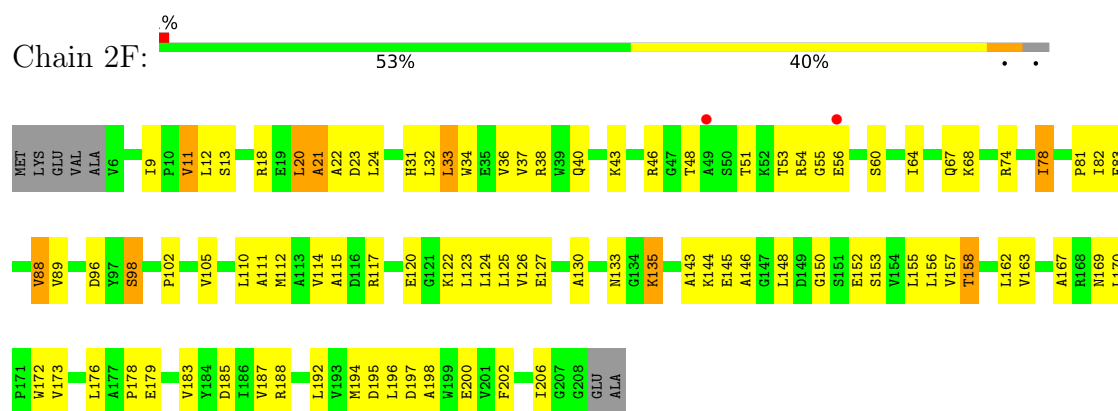
• Molecule 4: 50S ribosomal protein L3



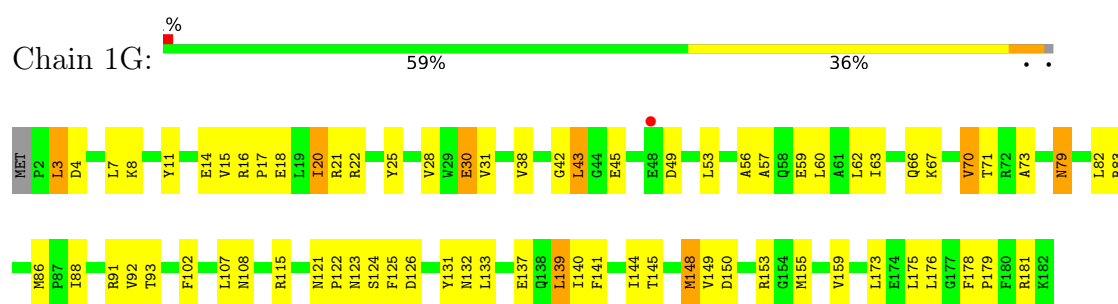
• Molecule 5: 50S ribosomal protein L4



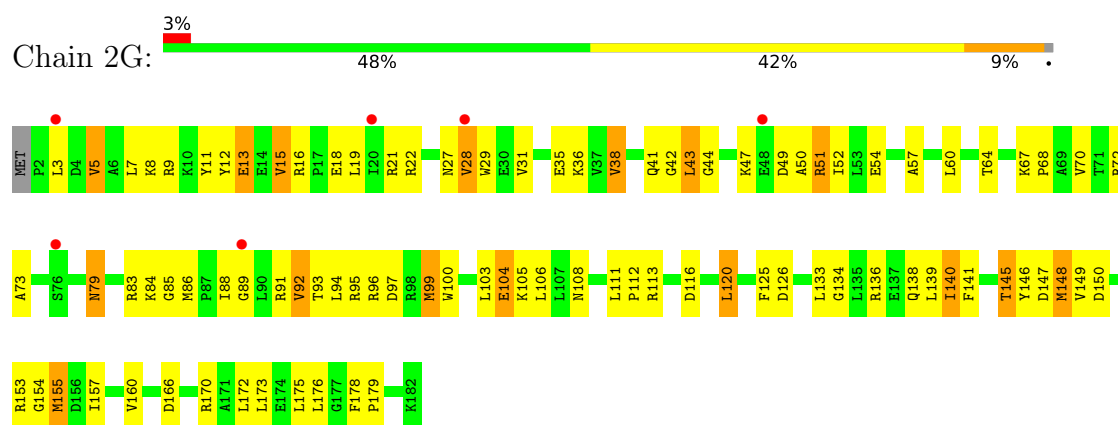
- Molecule 5: 50S ribosomal protein L4



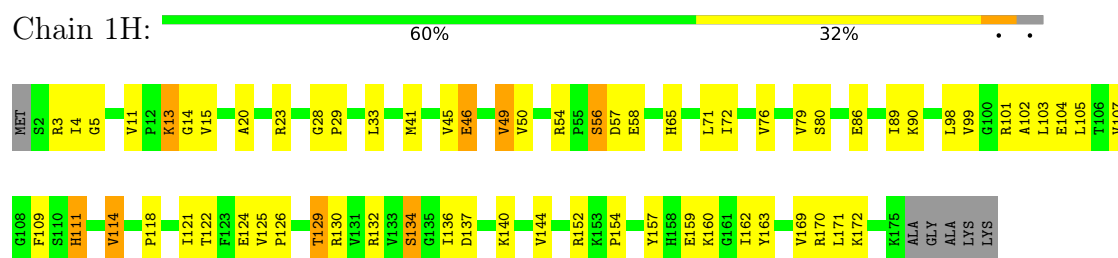
- Molecule 6: 50S ribosomal protein L5



- Molecule 6: 50S ribosomal protein L5

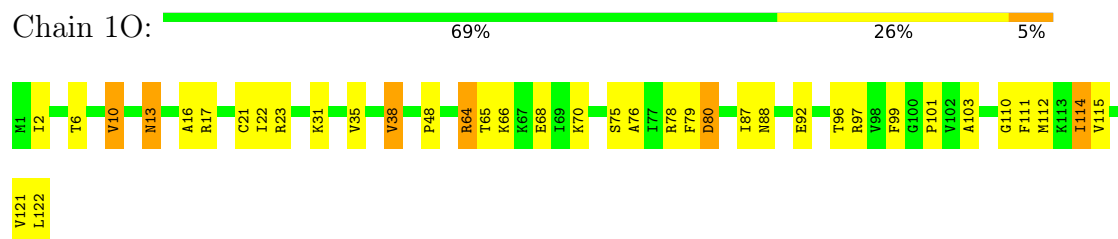


- Molecule 7: 50S ribosomal protein L6

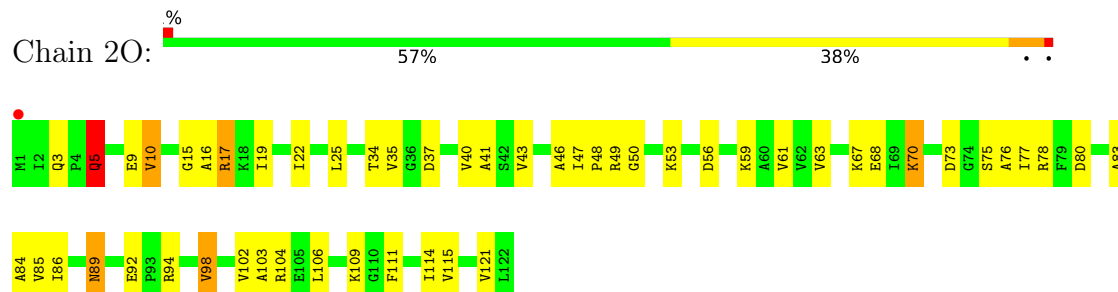


- Molecule 7: 50S ribosomal protein L6

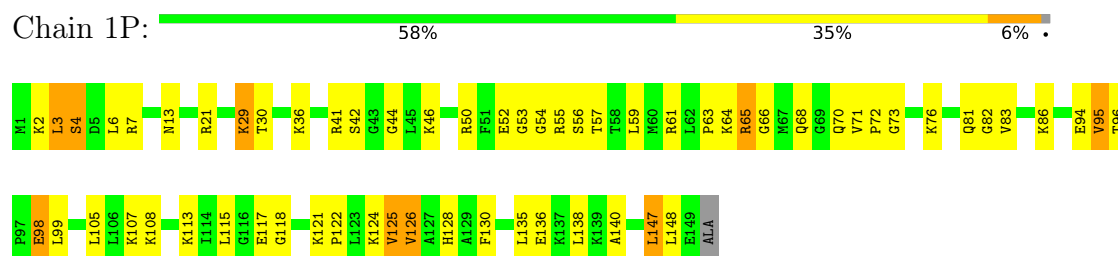
- Molecule 10: 50S ribosomal protein L14



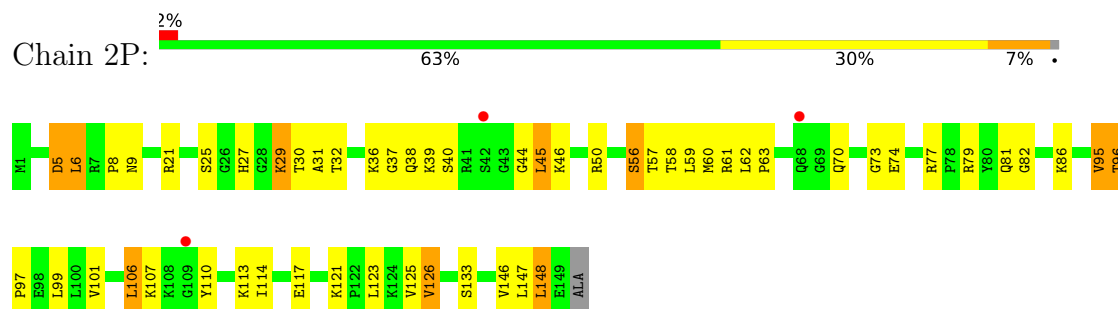
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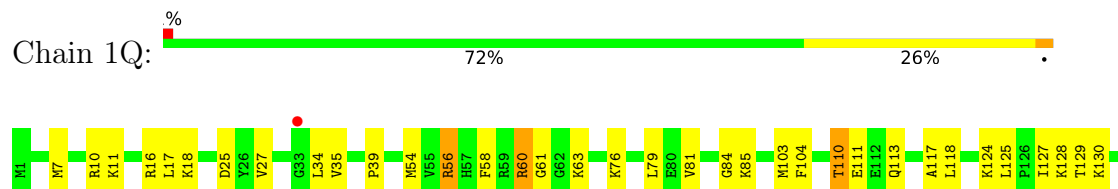
- Molecule 11: 50S ribosomal protein L15



- Molecule 11: 50S ribosomal protein L15

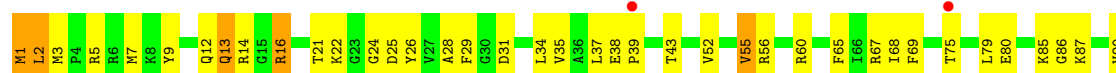


- Molecule 12: 50S ribosomal protein L16

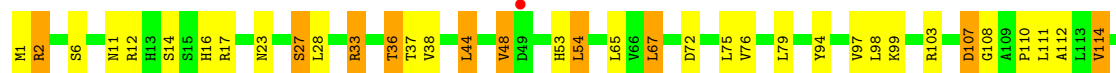




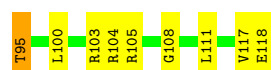
- Molecule 12: 50S ribosomal protein L16



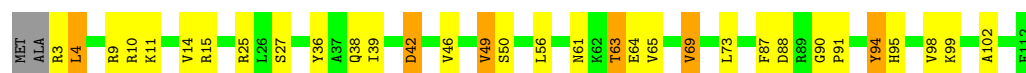
- Molecule 13: 50S ribosomal protein L17



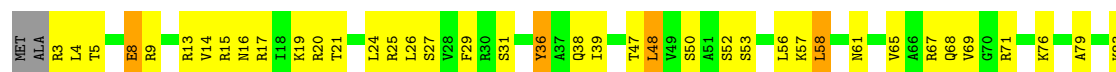
- Molecule 13: 50S ribosomal protein L17

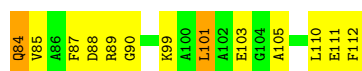


- Molecule 14: 50S ribosomal protein L18



- Molecule 14: 50S ribosomal protein L18

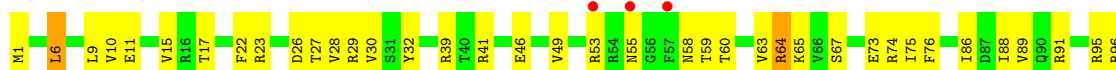




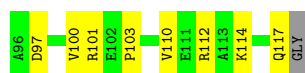
- Molecule 15: 50S ribosomal protein L19



- Molecule 15: 50S ribosomal protein L19



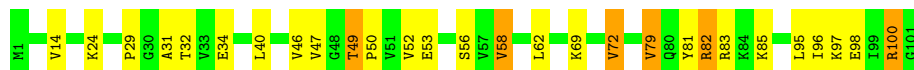
- Molecule 16: 50S ribosomal protein L20



- Molecule 16: 50S ribosomal protein L20

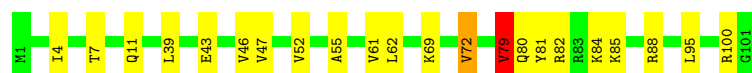


- Molecule 17: 50S ribosomal protein L21



- Molecule 17: 50S ribosomal protein L21

Chain 2V:  78% 20% ..



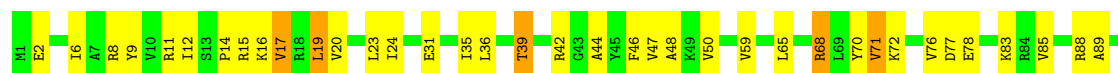
- Molecule 18: 50S ribosomal protein L22

Chain 1W:  61% 35% ..



- Molecule 18: 50S ribosomal protein L22

Chain 2W:  61% 34% ..



- Molecule 19: 50S ribosomal protein L23

Chain 1X:  61% 35% ..



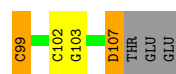
- Molecule 19: 50S ribosomal protein L23

Chain 2X:  68% 31% .

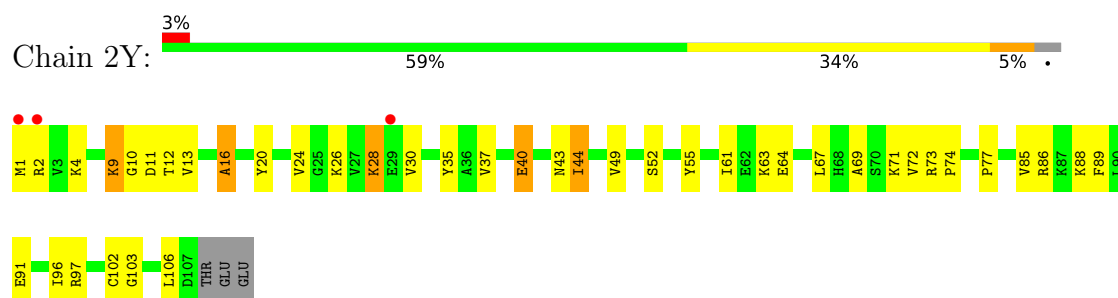


- Molecule 20: 50S ribosomal protein L24

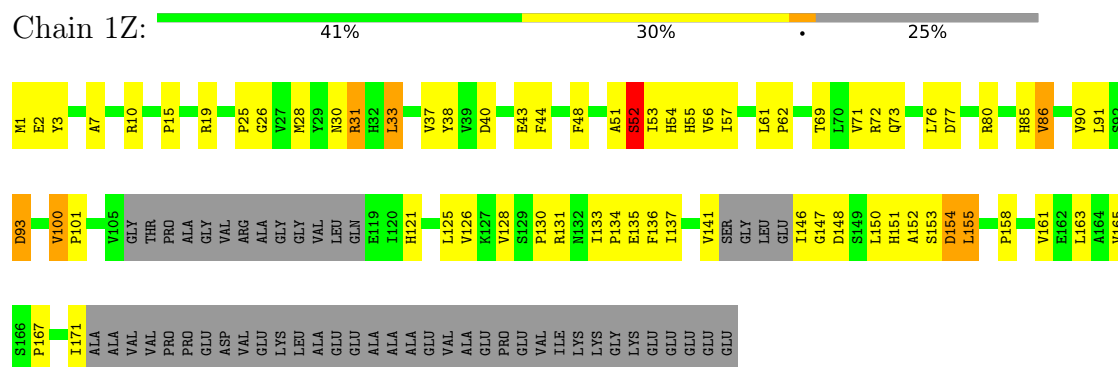
Chain 1Y:  59% 32% 6% .



• Molecule 20: 50S ribosomal protein L24



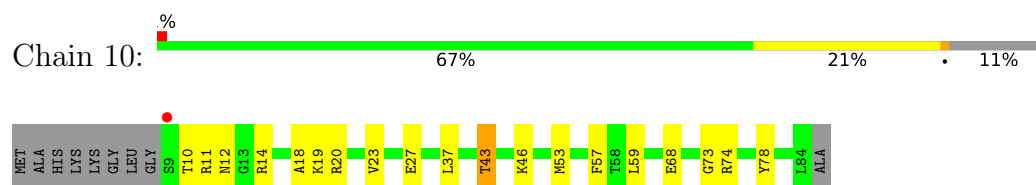
• Molecule 21: 50S ribosomal protein L25



• Molecule 21: 50S ribosomal protein L25

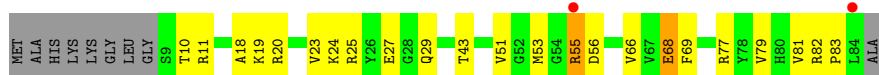


• Molecule 22: 50S ribosomal protein L27



• Molecule 22: 50S ribosomal protein L27





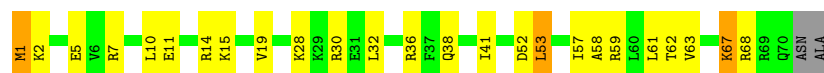
- Molecule 23: 50S ribosomal protein L28



- Molecule 23: 50S ribosomal protein L28



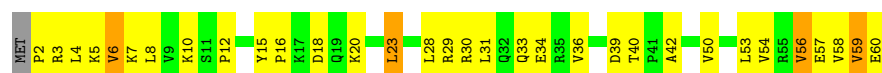
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29



- Molecule 25: 50S ribosomal protein L30

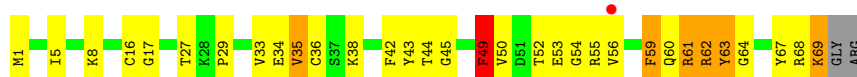


- Molecule 25: 50S ribosomal protein L30

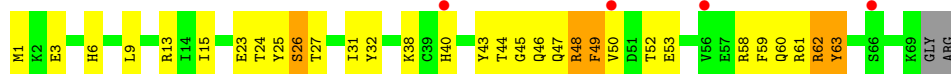


- Molecule 26: 50S ribosomal protein L31





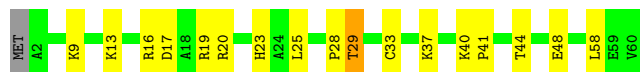
- Molecule 26: 50S ribosomal protein L31



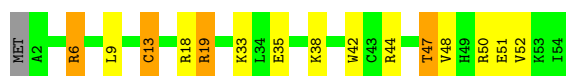
- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32



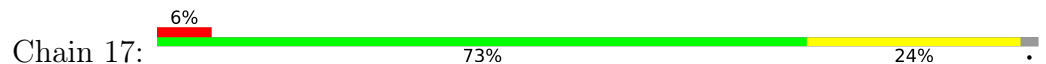
- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



- Molecule 29: 50S ribosomal protein L34



- Molecule 29: 50S ribosomal protein L34

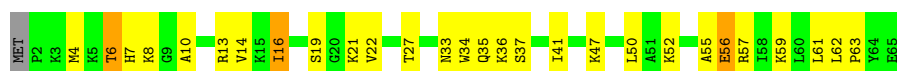




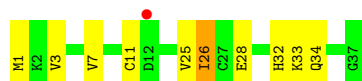
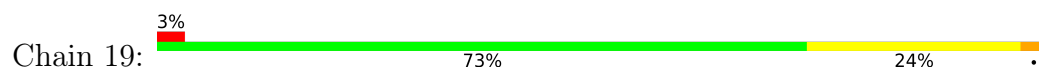
- Molecule 30: 50S ribosomal protein L35



- Molecule 30: 50S ribosomal protein L35



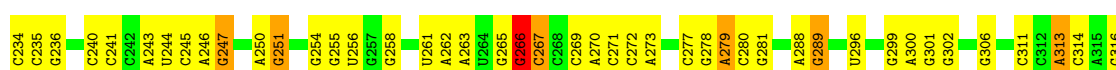
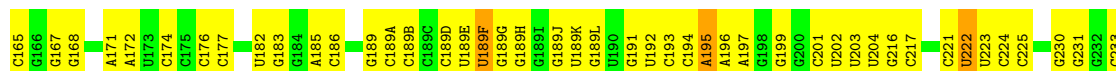
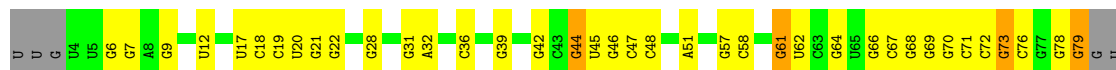
- Molecule 31: 50S ribosomal protein L36



- Molecule 31: 50S ribosomal protein L36



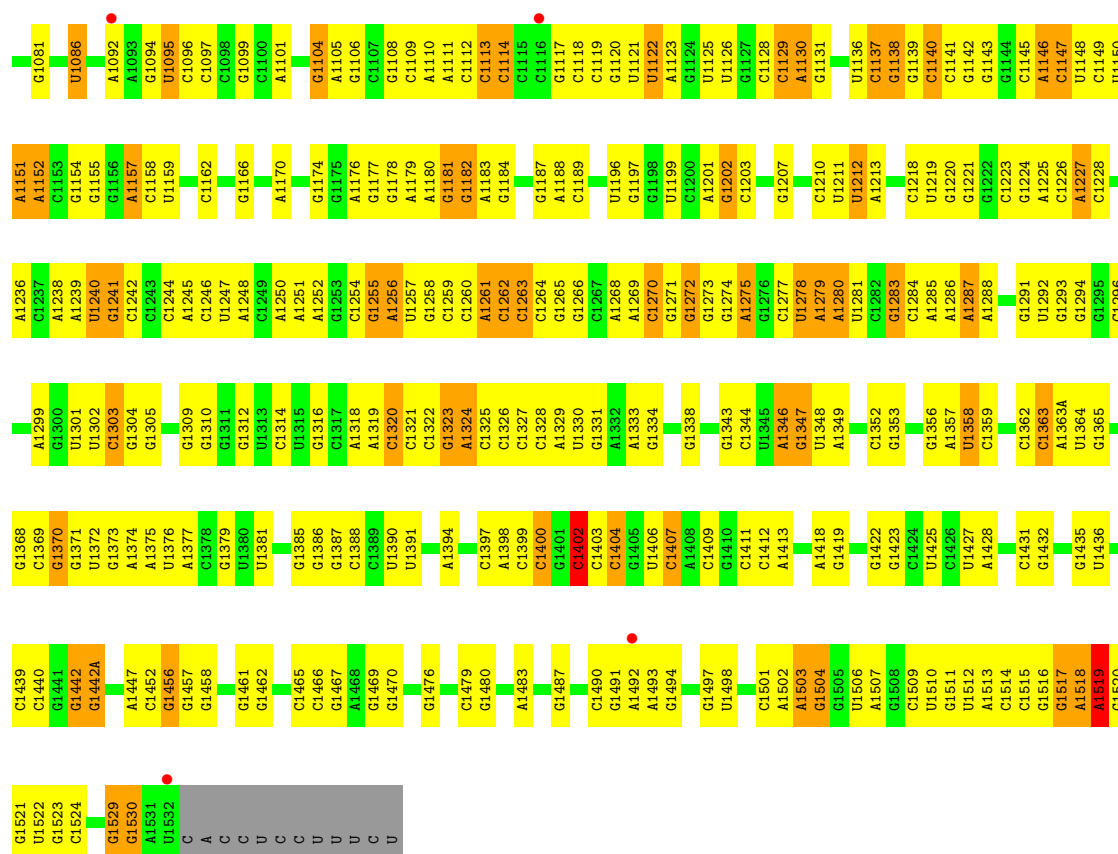
- Molecule 32: 16S Ribosomal RNA



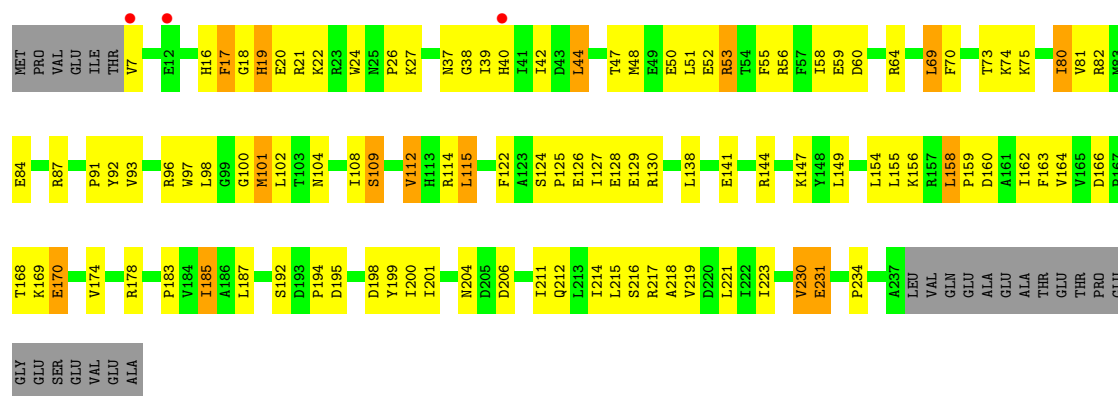
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G1356	A1357	G1358	G1361	G1362	G1363	A1363A	G1365	G1366	G1367	G1368	G1369	G1370	G1371	G1372	G1373	A1374	A1375	G1381	G1384	G1385	G1389	G1390	G1391	G1392	G1399	G1400	G1401	G1402	G1403	G1404	G1407	A1408	G1409	G1410	G1411	G1412	G1413	G1414	G1415	G1416	G1417	G1418	G1419	G1422	G1426	G1427	G1428	G1429	G1430								
G1276	G1277	G1278	A1279	G1280	G1281	G1282	G1283	A1286	A1287	A1288	G1289	G1290	G1291	G1292	G1293	G1296	A1299	G1300	G1301	G1302	G1303	G1304	G1305	G1316	G1317	G1318	G1319	G1320	G1321	G1322	G1323	G1324	G1327	G1328	A1329	G1330	G1331	G1332	A1333	G1334	G1338	A1339	A1340	A1346	G1347	G1348	G1349	G1352	G1353	G1354	G1355						
U1205	G1206	G1207	G1208	G1209	U1212	A1213	G1214	G1215	G1216	G1217	G1218	G1219	G1220	G1221	G1222	G1223	G1226	A1227	G1230	U1235	A1236	G1237	A1238	G1239	G1240	G1241	G1242	A1245	G1246	U1247	A1248	G1249	A1250	A1251	A1252	A1256	U1257	G1258	G1259	G1260	G1261	G1262	G1263	G1264	G1265	A1268	G1269	G1270	G1273	G1274	A1275						
U1125	U1126	G1127	G1128	C1129	G1131	G1132	G1133	G1134	U1135	G1136	G1137	G1138	G1139	G1140	G1141	G1142	G1143	G1144	G1145	G1146	G1147	G1148	G1149	G1150	A1151	A1152	G1157	G1158	U1159	G1162	G1166	A1168	G1174	A1179	A1180	G1181	G1182	A1183	G1184	G1187	A1188	G1189	G1190	A1191	G1192	G1193	U1194	G1195	U1196	A1201	G1202	G1124					
G1050	C1051	G1052	G1053	C1054	G1058	G1059	C1060	G1061	U1062	C1063	C1066	A1067	G1068	G1069	G1070	G1071	G1072	G1073	G1074	G1077	A1080	G1081	G1084	G1085	U1086	U1090	U1091	G1094	U1095	U1096	G1099	C1100	A1101	A1102	G1103	G1104	A1105	G1106	C1107	G1108	A1111	C1112	C1113	G1118	U1121	U1122	A1123	G1124									
G985	A986	G987	G991	G992	G993	A994	G995	A996	G997	U1000	A1001	G1001A	G1002	G1003	A1004	A1005	C1006	A1015	A1016	G1017	G1018	G1019	U1020	G1021	G1022	G1023	G1024	U1025	G1026	C1027	G1028	G1029	G1030	G1030A	C1030B	G1030C	A1031	G1032	G1033	G1034	A1035	G1036	C1037	G1038	C1039	U1040	A1041	G1042	C1043	A1044	G1045	A1046	G1047	G1048	U1049		
C912	A913	A914	A915	G916	G922	A923	C924	A925	G926	G927	G933	C934	A935	C936	A937	A938	C939	G941	G942	G943	G944	G945	A946	G947	C948	U952	G953	G954	U957	A958	A959	U960	U961	A964	A965	G966	C967	A968	A969	C970	G971	G972	G973	A974	A975	G976	C1043	A1044	A1045	U981	U982	A983	C984				
A816	C817	G818	A819	U820	A821	C826	U827	A828	G829	U833	C834	U835	G836	C840	U841	C848	C849	U850	G851	G852	G853	C857	G858	A766	A767	C869	A768	G769	G773	A777	A782	G783	C784	G785	A790	G791	A792	U793	A794	C795	C796	C797	A802	A807	A722	C808	G809	U723	C810	G811	G725	C726	U813	U911			
G730	G731	C735	A736	A737	C738	C739	U740	G741	G742	U743	G744	C748	G749	G750	U751	G755	G756	U757	G758	G763	G764	G765	A766	A767	C689	A768	G690	G691	U692	U693	A694	A695	C701	A702	U705	A704	A706	G630	G631	G632	G633	C634	G635	U636	G637	C545	G546	A640	U641	A642	C643	G644	G645	U646	C647	A648	G649
G650	C651	U652	A653	G658	U659	G662	A663	G664	A665	A666	G667	G671	U672	G673	G674	A675	A676	U677	G682	G685	U686	G687	G688	A689	A768	G690	G691	U692	U693	A694	A695	C701	A702	U705	A704	A706	G630	G631	G632	G633	C634	G635	U636	G637	C545	G546	A640	U641	A642	C643	G644	G645	U646	C647	A648	G649	
C398	C401	G402	C403	U404	U405	G406	G407	G408	G409	G410	A411	A412	G413	A414	A415	C418	C419	U420	C422	G423	G424	U429	A430	A431	U434	C435	G438	A439	A441	A442	C443	C444	G445	G446	G447	A448	A452	A453	C458	G460	A461	A462	C470	G471	G388	A472	G473	C390	G474	G475	G476	G485	U486				
A487	C488	G491	G492	G493	U494	A495	U496	U498	G501	G502	C503	G504	G505	A509	A510	C511	U512	C513	U516	G517	C518	C519	A520	G521	G524	C525	C526	G527	A528	G529	G530	U531	A532	A533	C536	A539	G540	G541	G544	C545	G546	A547	G548	G557	G558	A559	U560	U561	C562	A563							
G319	C320	A321	G324	C328	A329	G332	G333	C334	C337	A338	C339	U340	C341	C342	C345	G346	G347	G348	G351	A352	A353	G354	U359	A360	A363	U367	U368	C369	C372	A373	A374	U375	G376	G377	C381	G384	C385	G388	A389	C390	G391	C392	A393	A397													

Chain 2a: %



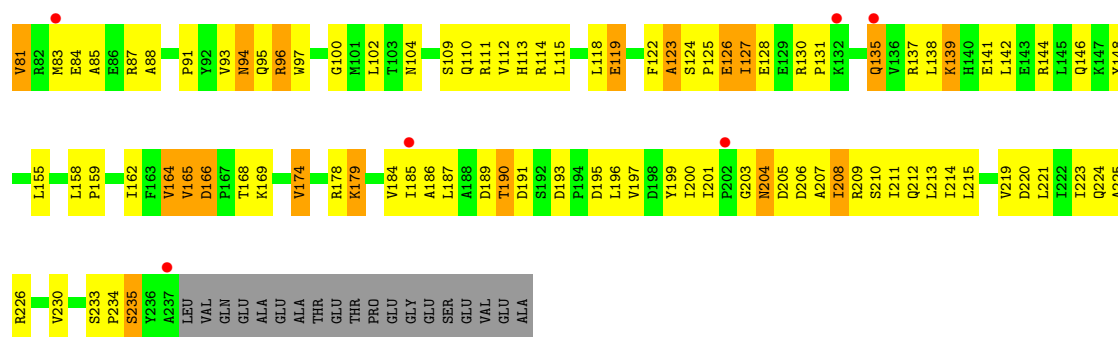


• Molecule 33: 30S ribosomal protein S2

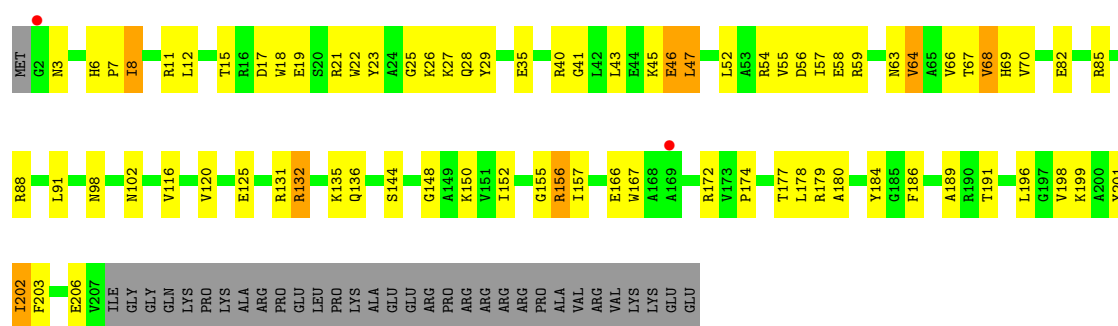


• Molecule 33: 30S ribosomal protein S2

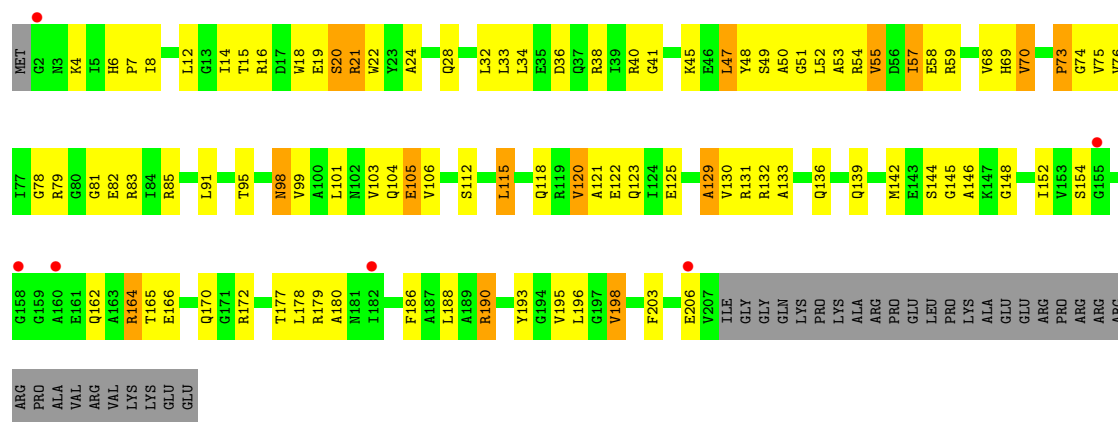




• Molecule 34: 30S ribosomal protein S3



• Molecule 34: 30S ribosomal protein S3



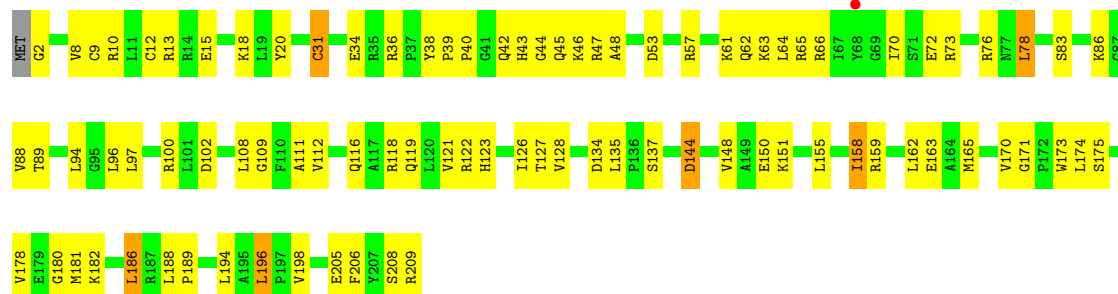
• Molecule 35: 30S ribosomal protein S4





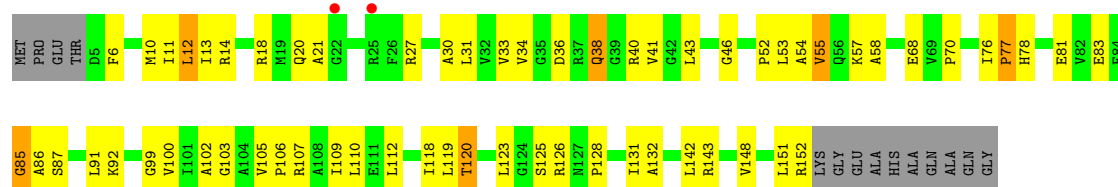
• Molecule 35: 30S ribosomal protein S4

Chain 2d: 57% 40%



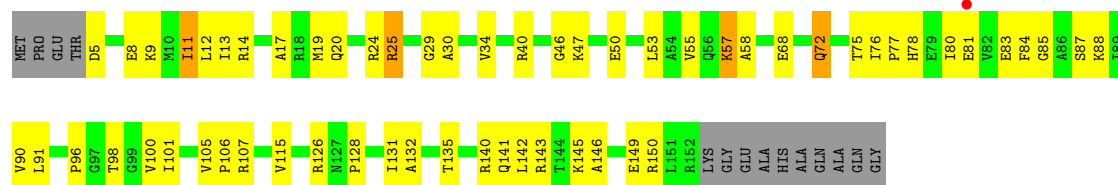
• Molecule 36: 30S ribosomal protein S5

Chain 1e: % 53% 35% 9%



• Molecule 36: 30S ribosomal protein S5

Chain 2e: % 55% 34% 9%

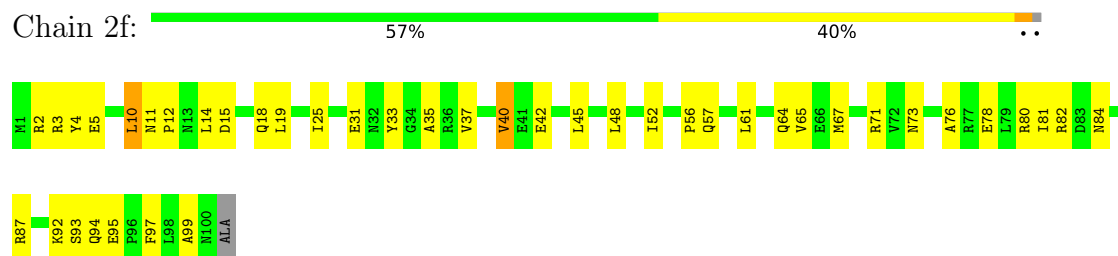


• Molecule 37: 30S ribosomal protein S6

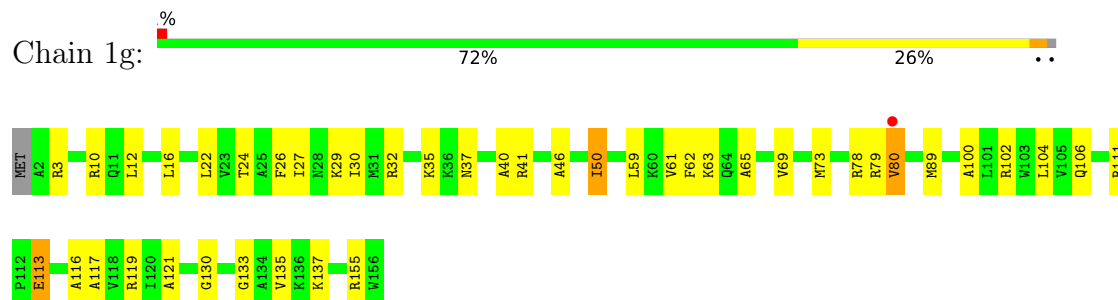
Chain 1f: 62% 33%



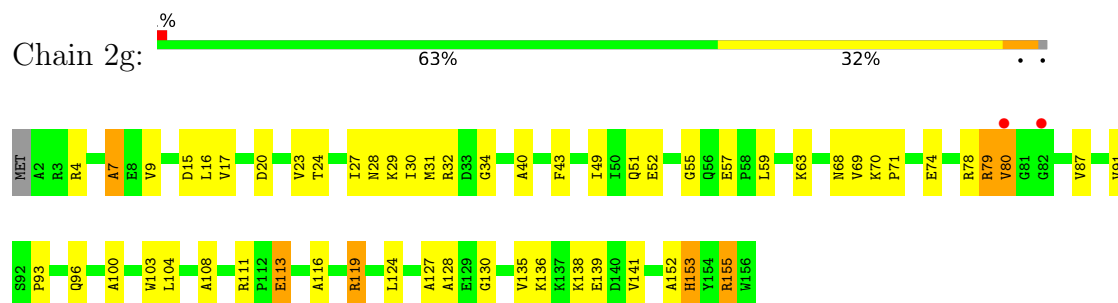
- Molecule 37: 30S ribosomal protein S6



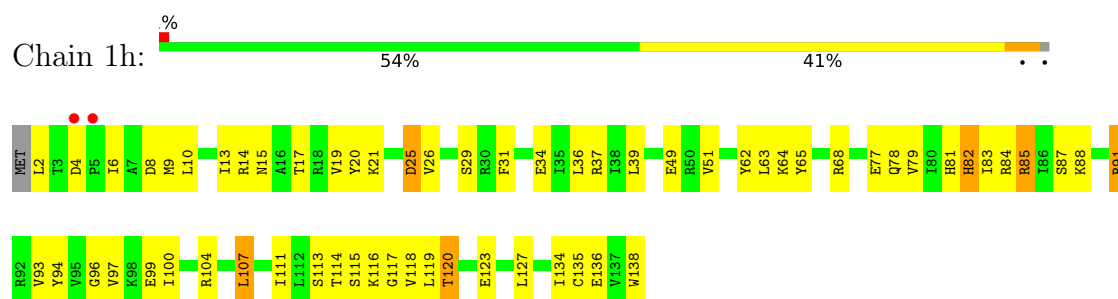
- Molecule 38: 30S ribosomal protein S7



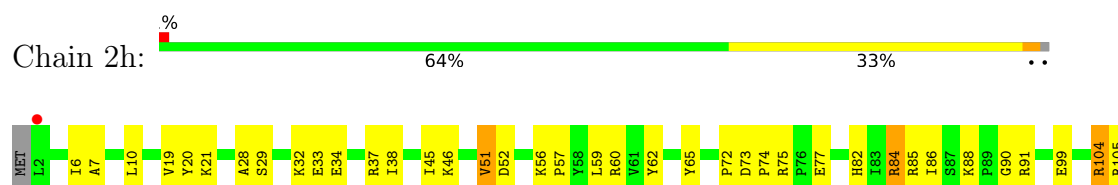
- Molecule 38: 30S ribosomal protein S7



- Molecule 39: 30S ribosomal protein S8



- Molecule 39: 30S ribosomal protein S8





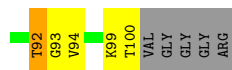
- Molecule 40: 30S ribosomal protein S9



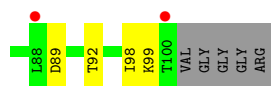
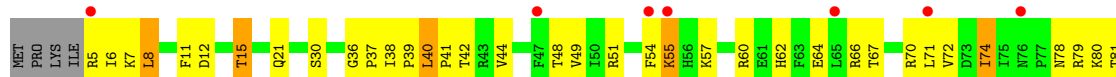
- Molecule 40: 30S ribosomal protein S9



- Molecule 41: 30S ribosomal protein S10

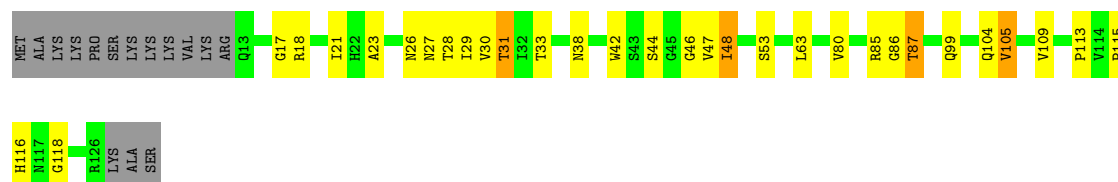


- Molecule 41: 30S ribosomal protein S10

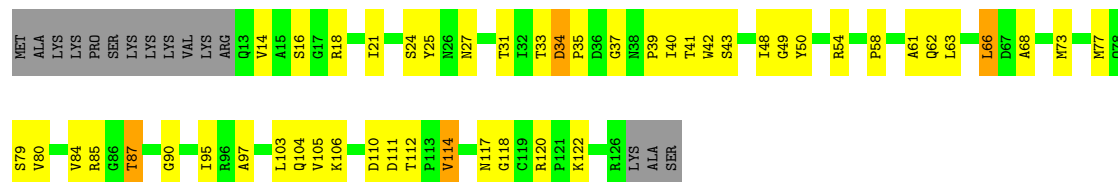


- Molecule 42: 30S ribosomal protein S11

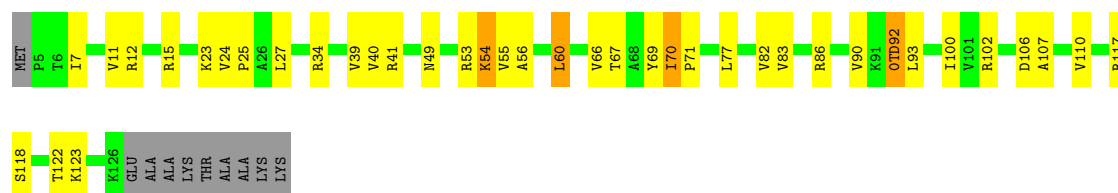




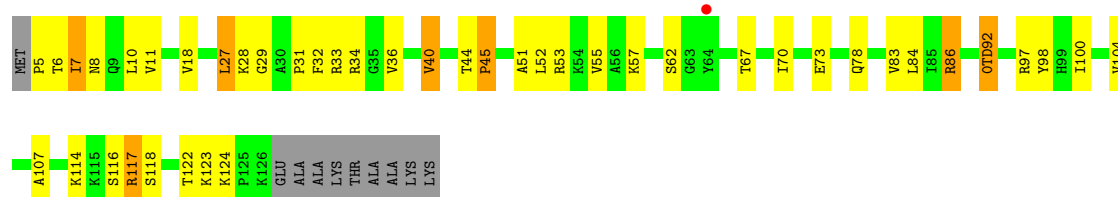
- Molecule 42: 30S ribosomal protein S11



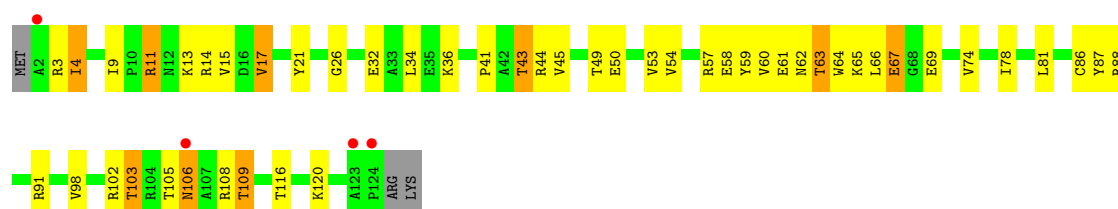
- Molecule 43: 30S ribosomal protein S12



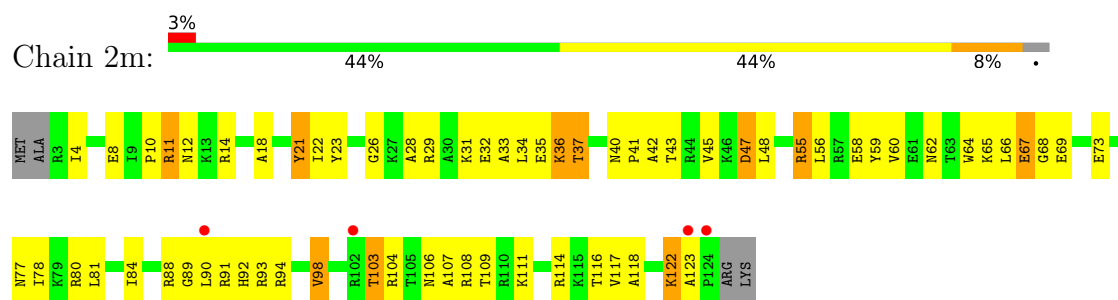
- Molecule 43: 30S ribosomal protein S12



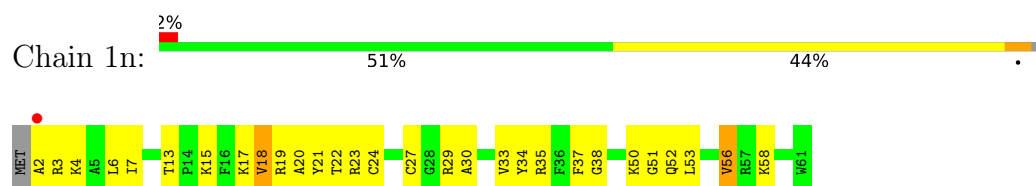
- Molecule 44: 30S ribosomal protein S13



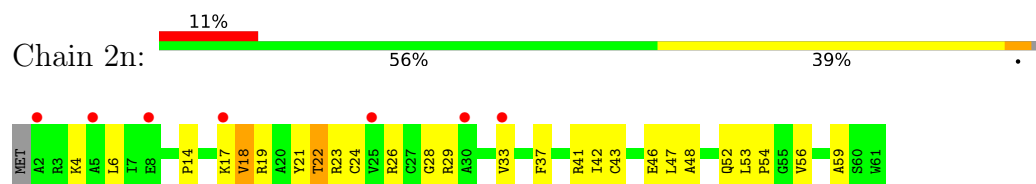
- Molecule 44: 30S ribosomal protein S13



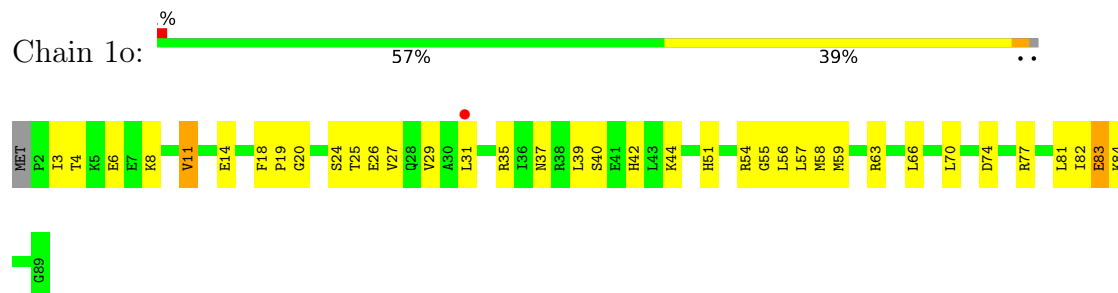
- Molecule 45: 30S ribosomal protein S14 type Z



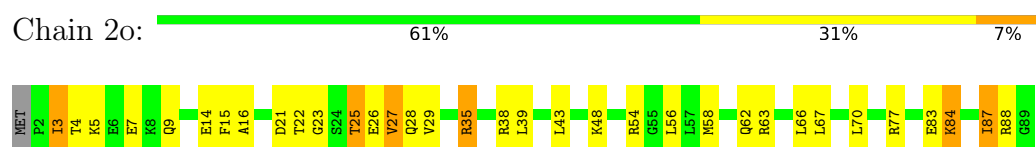
- Molecule 45: 30S ribosomal protein S14 type Z



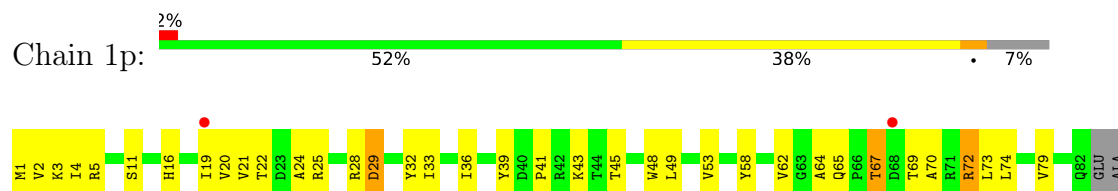
- Molecule 46: 30S ribosomal protein S15



- Molecule 46: 30S ribosomal protein S15

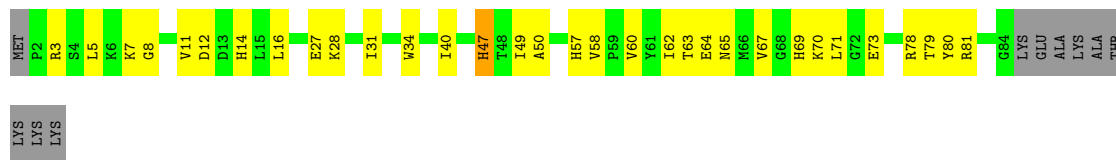


- Molecule 47: 30S ribosomal protein S16



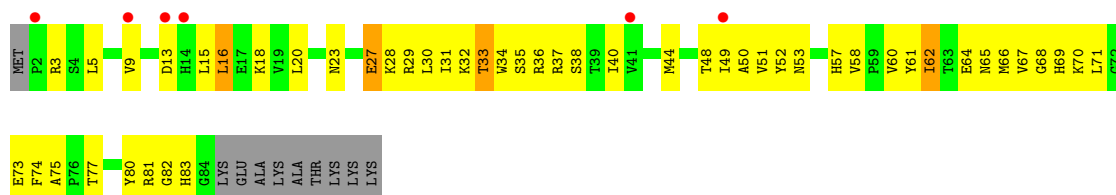
- Molecule 50: 30S ribosomal protein S19

Chain 1s: 



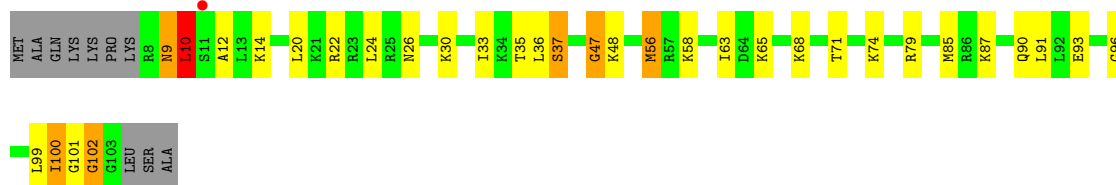
- Molecule 50: 30S ribosomal protein S19

Chain 2s: 



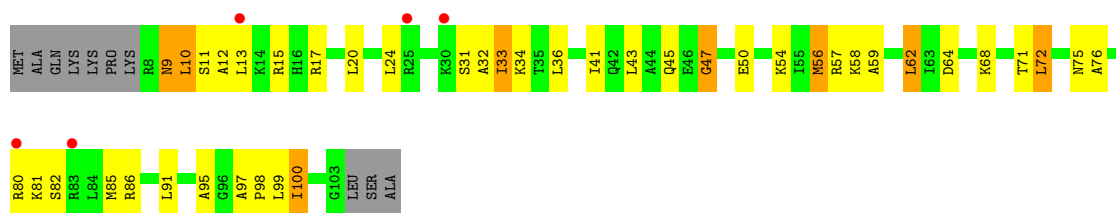
- Molecule 51: 30S ribosomal protein S20

Chain 1t: 



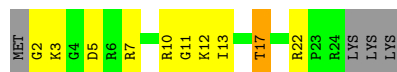
- Molecule 51: 30S ribosomal protein S20

Chain 2t: 

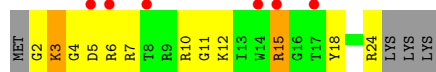
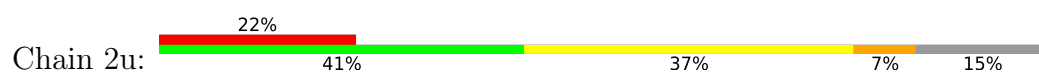


- Molecule 52: 30S ribosomal protein Thx

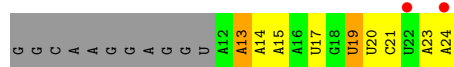
Chain 1u: 



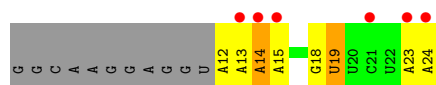
- Molecule 52: 30S ribosomal protein Thx



• Molecule 53: mRNA



• Molecule 53: mRNA



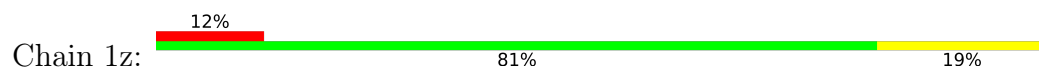
• Molecule 54: P-site tRNA



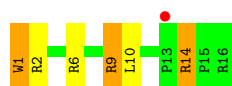
• Molecule 54: P-site tRNA



• Molecule 55: Bac7-001



• Molecule 55: Bac7-001



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.09Å 449.88Å 621.27Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	76.76 – 3.00 76.76 – 3.00	Depositor EDS
% Data completeness (in resolution range)	99.4 (76.76-3.00) 99.4 (76.76-3.00)	Depositor EDS
R_{merge}	0.26	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.28 (at 3.01Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.226 , 0.285 0.227 , 0.286	Depositor DCC
R_{free} test set	57578 reflections (4.98%)	wwPDB-VP
Wilson B-factor (Å ²)	68.0	Xtriage
Anisotropy	0.305	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.27 , 46.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.38$, $\langle L^2 \rangle = 0.20$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	293228	wwPDB-VP
Average B, all atoms (Å ²)	64.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.47% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: 7MG, 0TD, OMG, 5MC, SF4, ZN, M2G, PSU, MA6, 4SU, MG, K, 2MU, 2MG, 4OC, 2MA, 5MU, UR3

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	1A	0.28	0/69009	0.45	2/107712 (0.0%)
1	2A	0.23	0/67293	0.41	0/105034
2	1B	0.23	0/2882	0.42	0/4494
2	2B	0.22	0/2879	0.42	0/4487
3	1D	0.28	0/2186	0.52	1/2944 (0.0%)
3	2D	0.23	0/2186	0.49	0/2944
4	1E	0.26	0/1592	0.48	0/2149
4	2E	0.21	0/1592	0.46	0/2149
5	1F	0.26	0/1619	0.50	0/2193
5	2F	0.22	0/1615	0.49	2/2188 (0.1%)
6	1G	0.23	0/1448	0.48	0/1957
6	2G	0.23	0/1453	0.51	1/1963 (0.1%)
7	1H	0.24	0/1356	0.46	0/1834
7	2H	0.19	0/1356	0.37	0/1834
8	1I	0.21	0/1112	0.44	0/1514
8	2I	0.21	0/1079	0.45	0/1475
9	1N	0.25	0/1144	0.44	0/1543
9	2N	0.21	0/1144	0.42	0/1543
10	1O	0.24	0/943	0.45	0/1269
10	2O	0.22	0/943	0.49	0/1269
11	1P	0.26	0/1152	0.55	0/1533
11	2P	0.22	0/1152	0.53	0/1533
12	1Q	0.27	0/1143	0.50	0/1527
12	2Q	0.23	0/1143	0.50	0/1527
13	1R	0.24	0/982	0.47	0/1312
13	2R	0.21	0/982	0.47	0/1312
14	1S	0.22	0/883	0.46	0/1176
14	2S	0.22	0/880	0.46	0/1172
15	1T	0.25	0/1105	0.50	0/1477
15	2T	0.20	0/1097	0.41	0/1468
16	1U	0.27	0/977	0.48	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.20	0/977	0.44	0/1301
17	1V	0.25	0/782	0.47	0/1049
17	2V	0.19	0/782	0.42	0/1049
18	1W	0.27	0/897	0.46	0/1205
18	2W	0.21	0/897	0.43	0/1205
19	1X	0.28	0/764	0.50	0/1025
19	2X	0.21	0/764	0.43	0/1025
20	1Y	0.22	0/819	0.45	0/1095
20	2Y	0.21	0/819	0.44	0/1095
21	1Z	0.24	0/1267	0.48	0/1717
21	2Z	0.23	0/1299	0.46	0/1763
22	10	0.27	0/612	0.49	0/816
22	20	0.24	0/612	0.50	0/816
23	11	0.25	0/762	0.44	0/1014
23	21	0.21	0/762	0.43	0/1014
24	12	0.26	0/590	0.46	0/781
24	22	0.21	0/590	0.40	0/781
25	13	0.26	0/474	0.48	0/635
25	23	0.21	0/469	0.42	0/630
26	14	0.27	0/565	0.63	1/761 (0.1%)
26	24	0.27	0/545	0.60	0/737
27	15	0.27	0/469	0.49	0/635
27	25	0.26	0/469	0.51	0/635
28	16	0.26	0/460	0.51	0/613
28	26	0.23	0/456	0.44	0/608
29	17	0.29	0/426	0.51	0/561
29	27	0.23	0/426	0.49	0/561
30	18	0.28	0/525	0.49	0/691
30	28	0.23	0/525	0.44	0/691
31	19	0.25	0/310	0.46	0/407
31	29	0.23	0/310	0.48	0/407
32	1a	0.21	0/35795	0.40	3/55864 (0.0%)
32	2a	0.21	0/35886	0.39	0/56005
33	1b	0.23	0/1881	0.52	1/2542 (0.0%)
33	2b	0.23	0/1860	0.49	0/2518
34	1c	0.22	0/1572	0.45	0/2126
34	2c	0.21	0/1566	0.49	0/2119
35	1d	0.22	0/1685	0.44	0/2262
35	2d	0.21	0/1704	0.46	0/2284
36	1e	0.21	0/1145	0.50	0/1543
36	2e	0.24	0/1149	0.48	0/1548
37	1f	0.19	0/823	0.43	0/1115
37	2f	0.21	0/829	0.42	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.20	0/1250	0.44	0/1679
38	2g	0.21	0/1254	0.44	0/1683
39	1h	0.19	0/1108	0.43	0/1494
39	2h	0.19	0/1108	0.42	0/1494
40	1i	0.24	0/1002	0.56	1/1346 (0.1%)
40	2i	0.23	0/997	0.50	0/1343
41	1j	0.23	0/722	0.51	0/982
41	2j	0.25	0/727	0.46	0/988
42	1k	0.20	0/844	0.43	0/1145
42	2k	0.26	0/848	0.46	0/1149
43	1l	0.23	0/937	0.44	0/1260
43	2l	0.22	0/937	0.45	0/1260
44	1m	0.23	0/969	0.50	0/1302
44	2m	0.24	0/961	0.50	0/1291
45	1n	0.23	0/501	0.45	0/664
45	2n	0.20	0/501	0.45	0/664
46	1o	0.20	0/739	0.41	0/985
46	2o	0.18	0/739	0.39	0/985
47	1p	0.21	0/697	0.50	0/939
47	2p	0.20	0/693	0.45	0/935
48	1q	0.22	0/836	0.49	0/1117
48	2q	0.21	0/836	0.42	0/1117
49	1r	0.22	0/560	0.48	0/746
49	2r	0.23	0/560	0.41	0/746
50	1s	0.21	0/667	0.54	0/900
50	2s	0.24	0/661	0.56	0/893
51	1t	0.22	0/730	0.47	0/965
51	2t	0.22	0/729	0.51	0/965
52	1u	0.21	0/203	0.48	0/266
52	2u	0.22	0/203	0.47	0/266
53	1v	0.25	0/310	0.36	0/480
53	2v	0.32	0/310	0.42	0/480
54	1x	0.26	0/1725	0.42	0/2689
54	2x	0.26	0/1725	0.42	0/2689
55	1z	0.28	0/150	0.53	0/205
55	2z	0.25	0/150	0.56	0/205
All	All	0.24	0/310535	0.43	12/464522 (0.0%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
33	1b	0	1
51	2t	0	1
All	All	0	2

There are no bond length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
40	1i	96	LEU	N-CA-C	-8.07	105.42	114.62
33	1b	38	GLY	N-CA-C	-6.12	107.22	115.36
32	1a	266	G	P-O3'-C3'	5.63	128.65	120.20
6	2G	148	MET	N-CA-C	-5.45	106.94	113.21
32	1a	266	G	C2'-C3'-O3'	5.37	117.55	109.50

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	1b	122	PHE	Peptide
51	2t	9	ASN	Peptide

5.2 Too-close contacts

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	31188	1013	0
1	2A	60322	0	30421	1082	0
2	1B	2577	0	1304	37	0
2	2B	2575	0	1303	72	0
3	1D	2136	0	2218	65	0
3	2D	2136	0	2218	70	0
4	1E	1559	0	1618	53	0
4	2E	1559	0	1618	79	0
5	1F	1584	0	1625	56	0
5	2F	1580	0	1619	73	0
6	1G	1423	0	1436	47	0
6	2G	1428	0	1438	69	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
7	1H	1330	0	1407	44	0
7	2H	1330	0	1407	41	0
8	1I	1097	0	1140	33	0
8	2I	1064	0	1082	36	0
9	1N	1117	0	1184	17	0
9	2N	1117	0	1184	37	0
10	1O	933	0	996	30	0
10	2O	933	0	996	40	0
11	1P	1135	0	1212	56	0
11	2P	1135	0	1212	48	0
12	1Q	1122	0	1179	25	0
12	2Q	1122	0	1179	37	0
13	1R	968	0	1033	23	1
13	2R	968	0	1033	33	0
14	1S	873	0	927	16	0
14	2S	870	0	923	40	0
15	1T	1091	0	1150	41	0
15	2T	1083	0	1136	44	0
16	1U	959	0	1018	36	0
16	2U	959	0	1019	26	0
17	1V	771	0	829	17	1
17	2V	771	0	830	12	0
18	1W	886	0	940	23	0
18	2W	886	0	940	29	0
19	1X	750	0	814	24	0
19	2X	750	0	814	19	0
20	1Y	806	0	881	33	0
20	2Y	806	0	881	24	0
21	1Z	1240	0	1240	45	0
21	2Z	1271	0	1273	51	0
22	10	604	0	619	17	0
22	20	604	0	619	18	0
23	11	755	0	826	27	0
23	21	755	0	826	25	0
24	12	588	0	643	14	0
24	22	588	0	643	20	0
25	13	469	0	518	19	0
25	23	464	0	514	15	0
26	14	552	0	533	19	0
26	24	532	0	503	28	0
27	15	455	0	465	15	0
27	25	455	0	465	15	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
28	16	453	0	473	8	0
28	26	449	0	469	15	0
29	17	418	0	467	11	0
29	27	418	0	467	15	0
30	18	517	0	582	27	0
30	28	517	0	582	27	0
31	19	307	0	335	6	0
31	29	307	0	335	15	0
32	1a	32246	0	16296	631	0
32	2a	32327	0	16338	681	0
33	1b	1846	0	1867	66	0
33	2b	1825	0	1828	87	0
34	1c	1548	0	1535	56	0
34	2c	1542	0	1517	62	0
35	1d	1655	0	1672	61	0
35	2d	1674	0	1714	66	0
36	1e	1129	0	1185	46	0
36	2e	1133	0	1191	43	0
37	1f	810	0	804	25	0
37	2f	816	0	808	24	0
38	1g	1231	0	1238	28	0
38	2g	1235	0	1249	42	0
39	1h	1088	0	1126	40	0
39	2h	1088	0	1126	33	0
40	1i	983	0	986	41	0
40	2i	978	0	966	59	0
41	1j	709	0	650	36	0
41	2j	714	0	672	30	0
42	1k	829	0	825	17	0
42	2k	833	0	836	34	0
43	1l	932	0	981	25	0
43	2l	932	0	978	38	0
44	1m	958	0	1002	34	0
44	2m	950	0	988	62	0
45	1n	492	0	529	23	0
45	2n	492	0	529	22	0
46	1o	728	0	760	24	0
46	2o	728	0	760	23	0
47	1p	681	0	697	23	0
47	2p	677	0	686	18	0
48	1q	823	0	891	40	0
48	2q	823	0	891	34	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
49	1r	555	0	618	14	0
49	2r	555	0	618	21	0
50	1s	652	0	662	25	0
50	2s	646	0	644	45	0
51	1t	728	0	798	22	0
51	2t	727	0	796	28	0
52	1u	199	0	208	9	0
52	2u	199	0	208	10	0
53	1v	277	0	140	6	0
53	2v	277	0	140	6	0
54	1x	1625	0	829	18	0
54	2x	1625	0	829	27	0
55	1z	143	0	156	6	0
55	2z	143	0	156	8	0
56	10	8	0	0	0	0
56	11	1	0	0	0	0
56	13	4	0	0	0	0
56	15	7	0	0	0	0
56	16	2	0	0	0	0
56	17	7	0	0	0	0
56	18	3	0	0	0	0
56	19	2	0	0	0	0
56	1A	1041	0	0	0	0
56	1B	31	0	0	0	0
56	1D	10	0	0	0	0
56	1E	9	0	0	0	0
56	1F	9	0	0	0	0
56	1G	4	0	0	0	0
56	1N	2	0	0	0	0
56	1O	2	0	0	0	0
56	1P	4	0	0	0	0
56	1Q	5	0	0	0	0
56	1R	3	0	0	0	0
56	1S	2	0	0	0	0
56	1T	5	0	0	0	0
56	1U	10	0	0	0	0
56	1V	6	0	0	0	0
56	1W	5	0	0	0	0
56	1X	5	0	0	0	0
56	1Y	1	0	0	0	0
56	1Z	2	0	0	0	0
56	1a	221	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1b	1	0	0	0	0
56	1e	1	0	0	0	0
56	1f	2	0	0	0	0
56	1h	1	0	0	0	0
56	1l	3	0	0	0	0
56	1m	1	0	0	0	0
56	1n	2	0	0	0	0
56	1s	1	0	0	0	0
56	1t	1	0	0	0	0
56	1v	1	0	0	0	0
56	1x	15	0	0	0	0
56	20	3	0	0	0	0
56	23	1	0	0	0	0
56	25	4	0	0	0	0
56	26	1	0	0	0	0
56	27	1	0	0	0	0
56	28	1	0	0	0	0
56	2A	810	0	0	0	0
56	2B	15	0	0	0	0
56	2D	4	0	0	0	0
56	2E	9	0	0	0	0
56	2F	2	0	0	0	0
56	2G	1	0	0	0	0
56	2O	2	0	0	0	0
56	2P	2	0	0	0	0
56	2Q	2	0	0	0	0
56	2R	4	0	0	0	0
56	2T	4	0	0	0	0
56	2U	2	0	0	0	0
56	2V	2	0	0	0	0
56	2W	2	0	0	0	0
56	2X	2	0	0	0	0
56	2Y	1	0	0	0	0
56	2a	217	0	0	0	0
56	2d	1	0	0	0	0
56	2e	1	0	0	0	0
56	2f	1	0	0	0	0
56	2i	1	0	0	0	0
56	2k	1	0	0	0	0
56	2l	1	0	0	0	0
56	2n	1	0	0	0	0
56	2q	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2r	1	0	0	0	0
56	2t	1	0	0	0	0
56	2v	1	0	0	0	0
56	2x	5	0	0	0	0
57	14	1	0	0	0	0
57	15	1	0	0	0	0
57	16	1	0	0	0	0
57	19	1	0	0	0	0
57	1Y	1	0	0	0	0
57	1n	1	0	0	0	0
57	24	1	0	0	0	0
57	25	1	0	0	0	0
57	26	1	0	0	0	0
57	29	1	0	0	0	0
57	2Y	1	0	0	0	0
57	2n	1	0	0	0	0
58	1d	8	0	0	0	0
58	2d	8	0	0	0	0
59	2A	1	0	0	0	0
60	10	5	0	0	1	0
60	11	6	0	0	0	0
60	13	5	0	0	0	0
60	14	1	0	0	0	0
60	15	5	0	0	3	0
60	16	1	0	0	0	0
60	17	7	0	0	2	0
60	18	12	0	0	2	0
60	19	1	0	0	0	0
60	1A	1949	0	0	178	0
60	1B	50	0	0	5	0
60	1D	21	0	0	2	0
60	1E	14	0	0	1	0
60	1F	9	0	0	0	0
60	1G	1	0	0	0	0
60	1N	3	0	0	0	0
60	1O	4	0	0	0	0
60	1P	17	0	0	2	0
60	1Q	3	0	0	0	0
60	1R	8	0	0	2	0
60	1S	1	0	0	0	0
60	1T	3	0	0	0	0
60	1U	5	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	1V	2	0	0	0	0
60	1W	5	0	0	0	0
60	1X	3	0	0	0	0
60	1Y	1	0	0	1	0
60	1a	301	0	0	20	0
60	1b	1	0	0	0	0
60	1e	1	0	0	0	0
60	1i	1	0	0	0	0
60	1l	4	0	0	1	0
60	1o	1	0	0	0	0
60	1q	3	0	0	0	0
60	1v	5	0	0	0	0
60	1x	16	0	0	0	0
60	1z	3	0	0	0	0
60	2l	7	0	0	0	0
60	27	1	0	0	0	0
60	28	3	0	0	0	0
60	2A	917	0	0	122	0
60	2B	4	0	0	1	0
60	2D	14	0	0	2	0
60	2E	10	0	0	3	0
60	2F	12	0	0	0	0
60	2N	1	0	0	0	0
60	2O	2	0	0	0	0
60	2P	8	0	0	0	0
60	2Q	1	0	0	0	0
60	2R	2	0	0	1	0
60	2T	2	0	0	0	0
60	2U	2	0	0	0	0
60	2X	2	0	0	0	0
60	2a	286	0	0	25	0
60	2d	1	0	0	0	0
60	2e	3	0	0	1	0
60	2i	1	0	0	0	0
60	2l	2	0	0	1	0
60	2p	1	0	0	0	0
60	2r	1	0	0	0	0
60	2t	1	0	0	0	0
60	2v	2	0	0	0	0
All	All	293228	0	193672	5977	1

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 13.

The worst 5 of 5977 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	1.42	1.17
32:1a:987:G:H1	32:1a:1218:C:H42	1.09	1.00
9:2N:123:TYR:HH	9:2N:130:HIS:HE2	1.04	1.00
32:2a:1029:C:N4	32:2a:1032:G:H1	1.60	0.98
32:1a:559:A:H4'	32:1a:560:U:H3'	1.47	0.96

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:1R:33:ARG:NH2	17:1V:53:GLU:OE2[4_445]	2.18	0.02

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%)	251 (92%)	21 (8%)	1 (0%)	30	65
3	2D	273/276 (99%)	245 (90%)	27 (10%)	1 (0%)	30	65
4	1E	202/206 (98%)	189 (94%)	12 (6%)	1 (0%)	24	60
4	2E	202/206 (98%)	184 (91%)	15 (7%)	3 (2%)	8	35
5	1F	201/210 (96%)	184 (92%)	16 (8%)	1 (0%)	24	60
5	2F	201/210 (96%)	190 (94%)	10 (5%)	1 (0%)	24	60
6	1G	179/182 (98%)	165 (92%)	10 (6%)	4 (2%)	5	26
6	2G	179/182 (98%)	151 (84%)	26 (14%)	2 (1%)	11	43
7	1H	172/180 (96%)	149 (87%)	20 (12%)	3 (2%)	7	32
7	2H	172/180 (96%)	156 (91%)	12 (7%)	4 (2%)	5	25
8	1I	144/148 (97%)	129 (90%)	15 (10%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
8	2I	144/148 (97%)	115 (80%)	25 (17%)	4 (3%)	4	21
9	1N	138/140 (99%)	128 (93%)	8 (6%)	2 (1%)	9	36
9	2N	138/140 (99%)	126 (91%)	11 (8%)	1 (1%)	18	53
10	1O	120/122 (98%)	109 (91%)	11 (9%)	0	100	100
10	2O	120/122 (98%)	107 (89%)	12 (10%)	1 (1%)	16	50
11	1P	147/150 (98%)	135 (92%)	10 (7%)	2 (1%)	9	36
11	2P	147/150 (98%)	129 (88%)	18 (12%)	0	100	100
12	1Q	139/141 (99%)	123 (88%)	15 (11%)	1 (1%)	18	53
12	2Q	139/141 (99%)	126 (91%)	12 (9%)	1 (1%)	18	53
13	1R	116/118 (98%)	109 (94%)	5 (4%)	2 (2%)	7	32
13	2R	116/118 (98%)	105 (90%)	10 (9%)	1 (1%)	14	48
14	1S	108/112 (96%)	97 (90%)	10 (9%)	1 (1%)	14	48
14	2S	108/112 (96%)	98 (91%)	8 (7%)	2 (2%)	6	30
15	1T	129/146 (88%)	115 (89%)	11 (8%)	3 (2%)	5	25
15	2T	129/146 (88%)	118 (92%)	10 (8%)	1 (1%)	16	50
16	1U	114/118 (97%)	107 (94%)	7 (6%)	0	100	100
16	2U	114/118 (97%)	108 (95%)	6 (5%)	0	100	100
17	1V	99/101 (98%)	89 (90%)	10 (10%)	0	100	100
17	2V	99/101 (98%)	89 (90%)	9 (9%)	1 (1%)	12	45
18	1W	110/113 (97%)	105 (96%)	3 (3%)	2 (2%)	6	31
18	2W	110/113 (97%)	101 (92%)	9 (8%)	0	100	100
19	1X	93/96 (97%)	85 (91%)	8 (9%)	0	100	100
19	2X	93/96 (97%)	79 (85%)	13 (14%)	1 (1%)	11	43
20	1Y	105/110 (96%)	94 (90%)	9 (9%)	2 (2%)	6	30
20	2Y	105/110 (96%)	90 (86%)	14 (13%)	1 (1%)	12	45
21	1Z	148/206 (72%)	127 (86%)	20 (14%)	1 (1%)	18	53
21	2Z	156/206 (76%)	130 (83%)	24 (15%)	2 (1%)	9	38
22	10	74/85 (87%)	69 (93%)	5 (7%)	0	100	100
22	20	74/85 (87%)	65 (88%)	8 (11%)	1 (1%)	9	36
23	11	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
23	21	95/98 (97%)	90 (95%)	5 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	65 (96%)	2 (3%)	1 (2%)	8	35
25	13	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
25	23	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
26	14	67/71 (94%)	50 (75%)	12 (18%)	5 (8%)	1	4
26	24	67/71 (94%)	48 (72%)	15 (22%)	4 (6%)	1	7
27	15	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
27	25	57/60 (95%)	57 (100%)	0	0	100	100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
29	17	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
29	27	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
30	18	62/65 (95%)	59 (95%)	3 (5%)	0	100	100
30	28	62/65 (95%)	58 (94%)	4 (6%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	31 (89%)	4 (11%)	0	100	100
33	1b	229/256 (90%)	198 (86%)	24 (10%)	7 (3%)	3	19
33	2b	229/256 (90%)	182 (80%)	38 (17%)	9 (4%)	2	14
34	1c	204/239 (85%)	179 (88%)	23 (11%)	2 (1%)	12	45
34	2c	204/239 (85%)	165 (81%)	33 (16%)	6 (3%)	3	20
35	1d	206/209 (99%)	191 (93%)	15 (7%)	0	100	100
35	2d	206/209 (99%)	183 (89%)	21 (10%)	2 (1%)	12	45
36	1e	146/162 (90%)	130 (89%)	12 (8%)	4 (3%)	4	22
36	2e	146/162 (90%)	130 (89%)	15 (10%)	1 (1%)	18	53
37	1f	98/101 (97%)	85 (87%)	13 (13%)	0	100	100
37	2f	98/101 (97%)	93 (95%)	4 (4%)	1 (1%)	12	45
38	1g	153/156 (98%)	130 (85%)	21 (14%)	2 (1%)	9	38
38	2g	153/156 (98%)	132 (86%)	17 (11%)	4 (3%)	4	23
39	1h	135/138 (98%)	121 (90%)	14 (10%)	0	100	100
39	2h	135/138 (98%)	121 (90%)	14 (10%)	0	100	100
40	1i	125/128 (98%)	109 (87%)	13 (10%)	3 (2%)	4	24

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
40	2i	125/128 (98%)	104 (83%)	20 (16%)	1 (1%)	16	50
41	1j	95/105 (90%)	78 (82%)	13 (14%)	4 (4%)	2	13
41	2j	94/105 (90%)	79 (84%)	13 (14%)	2 (2%)	5	27
42	1k	112/129 (87%)	100 (89%)	12 (11%)	0	100	100
42	2k	112/129 (87%)	88 (79%)	19 (17%)	5 (4%)	2	12
43	1l	119/132 (90%)	104 (87%)	15 (13%)	0	100	100
43	2l	119/132 (90%)	103 (87%)	15 (13%)	1 (1%)	16	50
44	1m	121/126 (96%)	106 (88%)	12 (10%)	3 (2%)	4	23
44	2m	120/126 (95%)	96 (80%)	20 (17%)	4 (3%)	3	17
45	1n	58/61 (95%)	49 (84%)	9 (16%)	0	100	100
45	2n	58/61 (95%)	49 (84%)	8 (14%)	1 (2%)	7	32
46	1o	86/89 (97%)	79 (92%)	6 (7%)	1 (1%)	10	40
46	2o	86/89 (97%)	76 (88%)	10 (12%)	0	100	100
47	1p	80/88 (91%)	70 (88%)	9 (11%)	1 (1%)	9	38
47	2p	80/88 (91%)	69 (86%)	10 (12%)	1 (1%)	9	38
48	1q	97/105 (92%)	79 (81%)	18 (19%)	0	100	100
48	2q	97/105 (92%)	85 (88%)	12 (12%)	0	100	100
49	1r	66/88 (75%)	59 (89%)	5 (8%)	2 (3%)	3	19
49	2r	66/88 (75%)	64 (97%)	2 (3%)	0	100	100
50	1s	81/93 (87%)	68 (84%)	13 (16%)	0	100	100
50	2s	81/93 (87%)	63 (78%)	17 (21%)	1 (1%)	10	40
51	1t	94/106 (89%)	79 (84%)	10 (11%)	5 (5%)	1	9
51	2t	94/106 (89%)	82 (87%)	8 (8%)	4 (4%)	2	12
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	17 (81%)	3 (14%)	1 (5%)	2	11
55	1z	14/16 (88%)	14 (100%)	0	0	100	100
55	2z	14/16 (88%)	14 (100%)	0	0	100	100
All	All	11384/12160 (94%)	10116 (89%)	1126 (10%)	142 (1%)	10	40

5 of 142 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA

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Mol	Chain	Res	Type
7	1H	126	PRO
11	1P	53	GLY
12	1Q	60	ARG
21	1Z	52	SER

5.3.2 Protein sidechains ⓘ

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%)	192 (89%)	23 (11%)	6	26
3	2D	215/218 (99%)	183 (85%)	32 (15%)	3	15
4	1E	164/166 (99%)	148 (90%)	16 (10%)	7	30
4	2E	164/166 (99%)	147 (90%)	17 (10%)	7	28
5	1F	160/166 (96%)	138 (86%)	22 (14%)	3	17
5	2F	159/166 (96%)	145 (91%)	14 (9%)	9	35
6	1G	143/156 (92%)	122 (85%)	21 (15%)	3	15
6	2G	143/156 (92%)	125 (87%)	18 (13%)	4	20
7	1H	144/148 (97%)	132 (92%)	12 (8%)	10	37
7	2H	144/148 (97%)	128 (89%)	16 (11%)	6	25
8	1I	113/124 (91%)	96 (85%)	17 (15%)	3	14
8	2I	105/124 (85%)	88 (84%)	17 (16%)	2	12
9	1N	118/119 (99%)	104 (88%)	14 (12%)	5	22
9	2N	118/119 (99%)	104 (88%)	14 (12%)	5	22
10	1O	100/100 (100%)	91 (91%)	9 (9%)	9	34
10	2O	100/100 (100%)	91 (91%)	9 (9%)	9	34
11	1P	115/116 (99%)	102 (89%)	13 (11%)	5	24
11	2P	115/116 (99%)	99 (86%)	16 (14%)	3	17
12	1Q	111/111 (100%)	102 (92%)	9 (8%)	11	38
12	2Q	111/111 (100%)	91 (82%)	20 (18%)	2	10

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	1R	101/101 (100%)	87 (86%)	14 (14%)	3	17
13	2R	101/101 (100%)	91 (90%)	10 (10%)	7	30
14	1S	86/88 (98%)	74 (86%)	12 (14%)	3	16
14	2S	85/88 (97%)	78 (92%)	7 (8%)	10	37
15	1T	115/127 (91%)	107 (93%)	8 (7%)	14	44
15	2T	113/127 (89%)	106 (94%)	7 (6%)	16	49
16	1U	93/94 (99%)	85 (91%)	8 (9%)	10	36
16	2U	93/94 (99%)	87 (94%)	6 (6%)	15	47
17	1V	80/82 (98%)	71 (89%)	9 (11%)	5	24
17	2V	80/82 (98%)	72 (90%)	8 (10%)	7	29
18	1W	90/92 (98%)	83 (92%)	7 (8%)	11	39
18	2W	90/92 (98%)	80 (89%)	10 (11%)	6	25
19	1X	77/78 (99%)	72 (94%)	5 (6%)	15	47
19	2X	77/78 (99%)	73 (95%)	4 (5%)	21	55
20	1Y	85/91 (93%)	74 (87%)	11 (13%)	4	19
20	2Y	85/91 (93%)	73 (86%)	12 (14%)	3	16
21	1Z	135/179 (75%)	120 (89%)	15 (11%)	6	25
21	2Z	137/179 (76%)	109 (80%)	28 (20%)	1	7
22	10	61/67 (91%)	59 (97%)	2 (3%)	33	67
22	20	61/67 (91%)	56 (92%)	5 (8%)	10	37
23	11	80/83 (96%)	75 (94%)	5 (6%)	16	48
23	21	80/83 (96%)	73 (91%)	7 (9%)	9	35
24	12	65/67 (97%)	57 (88%)	8 (12%)	4	21
24	22	65/67 (97%)	59 (91%)	6 (9%)	8	33
25	13	51/52 (98%)	44 (86%)	7 (14%)	3	17
25	23	50/52 (96%)	44 (88%)	6 (12%)	5	22
26	14	59/63 (94%)	48 (81%)	11 (19%)	1	9
26	24	53/63 (84%)	48 (91%)	5 (9%)	8	32
27	15	50/52 (96%)	43 (86%)	7 (14%)	3	16
27	25	50/52 (96%)	47 (94%)	3 (6%)	17	50
28	16	51/52 (98%)	44 (86%)	7 (14%)	3	17

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
28	26	50/52 (96%)	40 (80%)	10 (20%)	1	7
29	17	41/42 (98%)	38 (93%)	3 (7%)	13	42
29	27	41/42 (98%)	34 (83%)	7 (17%)	2	11
30	18	54/55 (98%)	49 (91%)	5 (9%)	8	32
30	28	54/55 (98%)	49 (91%)	5 (9%)	8	32
31	19	34/34 (100%)	30 (88%)	4 (12%)	5	22
31	29	34/34 (100%)	30 (88%)	4 (12%)	5	22
33	1b	192/220 (87%)	165 (86%)	27 (14%)	3	16
33	2b	187/220 (85%)	159 (85%)	28 (15%)	3	14
34	1c	142/188 (76%)	128 (90%)	14 (10%)	7	30
34	2c	140/188 (74%)	115 (82%)	25 (18%)	2	10
35	1d	169/181 (93%)	144 (85%)	25 (15%)	3	15
35	2d	173/181 (96%)	159 (92%)	14 (8%)	11	38
36	1e	113/123 (92%)	103 (91%)	10 (9%)	9	35
36	2e	114/123 (93%)	100 (88%)	14 (12%)	4	21
37	1f	84/90 (93%)	76 (90%)	8 (10%)	8	31
37	2f	85/90 (94%)	74 (87%)	11 (13%)	4	19
38	1g	119/127 (94%)	113 (95%)	6 (5%)	22	56
38	2g	120/127 (94%)	111 (92%)	9 (8%)	12	41
39	1h	114/119 (96%)	102 (90%)	12 (10%)	6	27
39	2h	114/119 (96%)	105 (92%)	9 (8%)	11	39
40	1i	90/99 (91%)	74 (82%)	16 (18%)	2	10
40	2i	89/99 (90%)	77 (86%)	12 (14%)	4	18
41	1j	66/92 (72%)	57 (86%)	9 (14%)	3	17
41	2j	69/92 (75%)	61 (88%)	8 (12%)	5	23
42	1k	82/99 (83%)	73 (89%)	9 (11%)	6	25
42	2k	83/99 (84%)	72 (87%)	11 (13%)	4	18
43	1l	96/108 (89%)	86 (90%)	10 (10%)	7	28
43	2l	96/108 (89%)	85 (88%)	11 (12%)	5	24
44	1m	93/101 (92%)	83 (89%)	10 (11%)	6	26
44	2m	92/101 (91%)	81 (88%)	11 (12%)	5	22

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5	21
45	2n	49/50 (98%)	44 (90%)	5 (10%)	7	29
46	1o	78/80 (98%)	70 (90%)	8 (10%)	7	28
46	2o	78/80 (98%)	68 (87%)	10 (13%)	4	19
47	1p	69/74 (93%)	60 (87%)	9 (13%)	4	19
47	2p	68/74 (92%)	59 (87%)	9 (13%)	4	18
48	1q	94/97 (97%)	85 (90%)	9 (10%)	8	31
48	2q	94/97 (97%)	88 (94%)	6 (6%)	16	48
49	1r	59/77 (77%)	53 (90%)	6 (10%)	7	29
49	2r	59/77 (77%)	49 (83%)	10 (17%)	2	11
50	1s	69/80 (86%)	65 (94%)	4 (6%)	18	51
50	2s	67/80 (84%)	59 (88%)	8 (12%)	5	22
51	1t	70/82 (85%)	62 (89%)	8 (11%)	5	24
51	2t	70/82 (85%)	61 (87%)	9 (13%)	4	19
52	1u	18/22 (82%)	17 (94%)	1 (6%)	19	52
52	2u	18/22 (82%)	16 (89%)	2 (11%)	6	25
55	1z	15/16 (94%)	15 (100%)	0	100	100
55	2z	15/16 (94%)	12 (80%)	3 (20%)	1	7
All	All	9325/10096 (92%)	8266 (89%)	1059 (11%)	5	24

5 of 1059 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
38	2g	9	VAL
40	2i	89	ASN
37	2f	95	GLU
50	2s	31	ILE
38	1g	24	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 135 such sidechains are listed below:

Mol	Chain	Res	Type
38	2g	106	GLN
40	2i	29	ASN
50	2s	57	HIS

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Mol	Chain	Res	Type
37	1f	73	ASN
36	1e	78	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	499 (17%)	29 (1%)
1	2A	2791/2915 (95%)	526 (18%)	21 (0%)
2	1B	120/121 (99%)	14 (11%)	1 (0%)
2	2B	118/121 (97%)	31 (26%)	0
32	1a	1497/1521 (98%)	278 (18%)	0
32	2a	1501/1521 (98%)	272 (18%)	0
53	1v	12/24 (50%)	6 (50%)	0
53	2v	12/24 (50%)	4 (33%)	0
54	1x	75/77 (97%)	11 (14%)	0
54	2x	75/77 (97%)	13 (17%)	0
All	All	9065/9316 (97%)	1654 (18%)	51 (0%)

5 of 1654 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	13	A
1	1A	34	C
1	1A	36	G
1	1A	45	C

5 of 51 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2756	U
1	2A	752	A
1	2A	2351	G
2	1B	1	U
1	2A	271(M)	G

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

56 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	2MA	1A	2503	56,1	22,25,26	1.43	5 (22%)	32,37,40	2.31	9 (28%)
1	PSU	1A	1917	1	18,21,22	1.36	2 (11%)	21,30,33	1.97	3 (14%)
32	5MC	1a	967	32	19,22,23	1.68	3 (15%)	26,32,35	1.05	3 (11%)
1	4OC	1A	1920	1	19,22,24	0.84	0	25,31,35	0.98	1 (4%)
1	OMG	1A	2251	56,54,1	23,26,27	1.26	3 (13%)	32,38,41	2.05	6 (18%)
32	PSU	1a	516	32,56	18,21,22	1.39	2 (11%)	21,30,33	1.96	4 (19%)
32	4OC	2a	1402	32,56	20,23,24	0.77	0	25,32,35	0.99	2 (8%)
54	4SU	1x	8	54	18,21,22	2.09	4 (22%)	25,30,33	1.54	2 (8%)
32	7MG	1a	527	32,56	23,26,27	1.38	4 (17%)	27,39,42	2.54	7 (25%)
32	PSU	2a	516	32	18,21,22	1.37	2 (11%)	21,30,33	1.98	4 (19%)
1	5MC	2A	1962	56,1	19,22,23	1.56	3 (15%)	26,32,35	1.25	3 (11%)
1	2MU	2A	2552	56,1	19,22,24	1.29	3 (15%)	25,31,36	1.92	6 (24%)
32	M2G	1a	966	32	24,27,28	1.27	4 (16%)	33,40,43	1.89	6 (18%)
1	PSU	1A	1911	1	18,21,22	1.39	3 (16%)	21,30,33	2.00	3 (14%)
32	5MC	2a	1400	32	19,22,23	1.76	3 (15%)	26,32,35	1.16	3 (11%)
1	5MU	1A	1939	1	19,22,23	1.46	6 (31%)	27,32,35	2.03	5 (18%)
1	5MU	2A	1915	56,1	19,22,23	1.44	6 (31%)	27,32,35	2.09	7 (25%)
54	5MC	2x	32	54	19,22,23	1.45	3 (15%)	26,32,35	1.16	2 (7%)
54	5MC	1x	32	54	19,22,23	1.77	3 (15%)	26,32,35	1.39	4 (15%)
32	5MC	2a	1407	32	19,22,23	1.48	3 (15%)	26,32,35	1.15	3 (11%)
1	5MC	1A	1942	56,1	19,22,23	1.57	3 (15%)	26,32,35	1.08	2 (7%)
54	4SU	2x	8	54	18,21,22	2.04	6 (33%)	25,30,33	1.64	6 (24%)
32	5MC	1a	1404	32	19,22,23	1.80	3 (15%)	26,32,35	1.22	5 (19%)
1	2MA	2A	2503	56,1	22,25,26	1.48	5 (22%)	32,37,40	2.19	9 (28%)
1	PSU	1A	2605	1	18,21,22	1.39	3 (16%)	21,30,33	1.86	4 (19%)
32	5MC	2a	967	32	19,22,23	1.72	2 (10%)	26,32,35	1.11	3 (11%)
1	4OC	2A	1920	1	19,22,24	0.77	0	25,31,35	1.11	2 (8%)
1	PSU	2A	1917	1	18,21,22	1.39	2 (11%)	21,30,33	2.09	3 (14%)
54	5MU	1x	54	54	19,22,23	1.39	5 (26%)	27,32,35	1.91	6 (22%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	2MG	2a	1207	32	23,26,27	1.24	3 (13%)	33,38,41	2.10	8 (24%)
1	OMG	2A	2251	56,54,1	23,26,27	1.23	3 (13%)	32,38,41	1.98	5 (15%)
1	5MU	2A	1939	1	19,22,23	1.50	5 (26%)	27,32,35	2.33	8 (29%)
32	4OC	1a	1402	32	20,23,24	0.74	0	25,32,35	0.91	1 (4%)
32	UR3	2a	1498	32	19,22,23	0.96	0	26,32,35	1.83	3 (11%)
32	MA6	1a	1518	32	23,26,27	1.52	5 (21%)	33,38,41	2.30	14 (42%)
32	MA6	2a	1518	32	23,26,27	1.57	5 (21%)	33,38,41	2.26	13 (39%)
54	PSU	1x	55	56,54	18,21,22	1.32	2 (11%)	21,30,33	2.09	4 (19%)
32	MA6	2a	1519	32	23,26,27	1.52	5 (21%)	33,38,41	2.23	11 (33%)
54	PSU	2x	55	54	18,21,22	1.36	2 (11%)	21,30,33	1.94	4 (19%)
32	5MC	1a	1400	32	19,22,23	1.94	3 (15%)	26,32,35	1.21	4 (15%)
32	7MG	2a	527	32	23,26,27	1.35	4 (17%)	27,39,42	2.54	7 (25%)
43	0TD	1l	92	43	8,9,10	4.46	1 (12%)	6,11,13	3.45	2 (33%)
1	PSU	2A	2605	1	18,21,22	1.39	3 (16%)	21,30,33	2.00	4 (19%)
32	M2G	2a	966	32	24,27,28	1.36	4 (16%)	33,40,43	1.89	5 (15%)
43	0TD	2l	92	43	8,9,10	4.62	2 (25%)	6,11,13	9.45	1 (16%)
54	5MU	2x	54	54	19,22,23	1.44	4 (21%)	27,32,35	2.01	6 (22%)
32	2MG	1a	1207	32	23,26,27	1.27	4 (17%)	33,38,41	2.23	8 (24%)
32	5MC	1a	1407	32	19,22,23	1.47	2 (10%)	26,32,35	1.11	2 (7%)
1	2MU	1A	2552	56,1	19,22,24	1.21	2 (10%)	25,31,36	2.03	6 (24%)
1	5MC	2A	1942	1	19,22,23	1.65	3 (15%)	26,32,35	1.18	2 (7%)
1	PSU	2A	1911	1	18,21,22	1.37	3 (16%)	21,30,33	1.98	3 (14%)
1	5MC	1A	1962	56,1	19,22,23	1.64	3 (15%)	26,32,35	1.09	2 (7%)
1	5MU	1A	1915	1	19,22,23	1.47	4 (21%)	27,32,35	2.12	7 (25%)
32	MA6	1a	1519	32	23,26,27	1.54	5 (21%)	33,38,41	2.24	11 (33%)
32	5MC	2a	1404	32	19,22,23	1.55	3 (15%)	26,32,35	1.08	2 (7%)
32	UR3	1a	1498	32	19,22,23	1.03	1 (5%)	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	2MA	1A	2503	56,1	-	2/7/25/26	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
1	4OC	1A	1920	1	-	0/9/27/30	0/2/2/2
1	OMG	1A	2251	56,54,1	-	0/9/27/28	0/3/3/3
32	PSU	1a	516	32,56	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32,56	-	3/9/29/30	0/2/2/2
54	4SU	1x	8	54	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32,56	-	2/7/37/38	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	56,1	-	2/7/25/26	0/2/2/2
1	2MU	2A	2552	56,1	-	1/9/27/28	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
1	5MU	1A	1939	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	56,1	-	0/7/25/26	0/2/2/2
54	5MC	2x	32	54	-	0/7/25/26	0/2/2/2
54	5MC	1x	32	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	56,1	-	0/7/25/26	0/2/2/2
54	4SU	2x	8	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	56,1	-	0/7/25/26	0/3/3/3
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	2/9/27/30	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
54	5MU	1x	54	54	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
1	OMG	2A	2251	56,54,1	-	1/9/27/28	0/3/3/3
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	3/9/29/30	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	3/11/29/30	0/3/3/3
32	MA6	2a	1518	32	-	3/11/29/30	0/3/3/3
54	PSU	1x	55	56,54	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	5/11/29/30	0/3/3/3
54	PSU	2x	55	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	32	-	2/7/37/38	0/3/3/3
43	0TD	1l	92	43	-	2/7/12/14	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	4/11/29/30	0/3/3/3
43	0TD	2l	92	43	-	3/7/12/14	-
54	5MU	2x	54	54	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	2MU	1A	2552	56,1	-	0/9/27/28	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	1/7/25/26	0/2/2/2
1	5MC	1A	1962	56,1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	4/11/29/30	0/3/3/3
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2

The worst 5 of 172 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.38	1.69	1.82
43	1l	92	0TD	CB-SB	-12.16	1.70	1.82
32	1a	1400	5MC	C5-C4	7.33	1.49	1.44
32	1a	1404	5MC	C5-C4	6.66	1.49	1.44
32	2a	1400	5MC	C5-C4	6.48	1.49	1.44

The worst 5 of 270 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	2l	92	0TD	CSB-SB-CB	-23.03	60.97	102.36
32	1a	527	7MG	N9-C4-N3	8.81	138.37	125.46
32	2a	527	7MG	N9-C4-N3	8.48	137.89	125.46
1	1A	2503	2MA	C5-C4-N3	-8.09	118.65	127.18
1	2A	2503	2MA	C5-C4-N3	-7.88	118.88	127.18

There are no chirality outliers.

5 of 48 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1518	MA6	C5-C6-N6-C9
32	1a	1519	MA6	O4'-C4'-C5'-O5'
1	2A	2251	OMG	C1'-C2'-O2'-CM2
32	2a	966	M2G	N1-C2-N2-CM2

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Mol	Chain	Res	Type	Atoms
32	2a	966	M2G	N3-C2-N2-CM1

There are no ring outliers.

27 monomers are involved in 40 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	1A	1920	4OC	1	0
1	1A	2251	OMG	1	0
32	2a	1402	4OC	1	0
54	1x	8	4SU	2	0
1	2A	2552	2MU	2	0
1	1A	1939	5MU	1	0
54	1x	32	5MC	1	0
32	2a	1407	5MC	1	0
54	2x	8	4SU	2	0
1	2A	2503	2MA	4	0
32	2a	967	5MC	3	0
1	2A	1920	4OC	1	0
1	2A	1917	PSU	1	0
1	2A	2251	OMG	1	0
1	2A	1939	5MU	1	0
32	1a	1402	4OC	2	0
32	1a	1518	MA6	2	0
32	2a	1518	MA6	4	0
32	2a	1519	MA6	4	0
43	1l	92	0TD	1	0
32	2a	966	M2G	1	0
43	2l	92	0TD	1	0
32	1a	1207	2MG	2	0
1	1A	2552	2MU	2	0
32	1a	1519	MA6	2	0
32	2a	1404	5MC	1	0
32	1a	1498	UR3	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2563 ligands modelled in this entry, 2561 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	$\# Z > 2$
58	SF4	2d	302	35	0,12,12	-	-	-		
58	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
58	SF4	2d	302	35	-	-	0/6/5/5
58	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.

No monomer is involved in short contacts.

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, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.48	48 (1%) 69 45	28, 46, 94, 110	0
1	2A	2789/2915 (95%)	-0.31	35 (1%) 75 53	39, 62, 93, 108	0
2	1B	120/121 (99%)	-0.65	0 100 100	37, 56, 68, 89	0
2	2B	120/121 (99%)	0.09	1 (0%) 82 64	62, 80, 90, 95	0
3	1D	275/276 (99%)	-0.03	2 (0%) 84 66	30, 47, 59, 71	0
3	2D	275/276 (99%)	0.11	4 (1%) 72 49	40, 56, 69, 75	0
4	1E	204/206 (99%)	-0.23	1 (0%) 87 72	33, 47, 62, 76	0
4	2E	204/206 (99%)	-0.06	0 100 100	41, 62, 71, 78	0
5	1F	203/210 (96%)	-0.24	0 100 100	31, 49, 67, 83	0
5	2F	203/210 (96%)	-0.04	2 (0%) 79 59	46, 66, 79, 85	0
6	1G	181/182 (99%)	-0.18	1 (0%) 85 69	44, 60, 71, 85	0
6	2G	181/182 (99%)	0.58	6 (3%) 49 28	69, 80, 87, 93	0
7	1H	174/180 (96%)	-0.14	0 100 100	43, 58, 69, 75	0
7	2H	174/180 (96%)	0.21	2 (1%) 78 57	66, 79, 88, 95	0
8	1I	146/148 (98%)	-0.12	1 (0%) 84 66	48, 70, 78, 85	0
8	2I	146/148 (98%)	0.21	0 100 100	59, 75, 84, 89	0
9	1N	140/140 (100%)	-0.16	0 100 100	35, 48, 62, 70	0
9	2N	140/140 (100%)	0.13	0 100 100	51, 66, 80, 87	0
10	1O	122/122 (100%)	-0.21	0 100 100	36, 50, 62, 68	0
10	2O	122/122 (100%)	-0.08	1 (0%) 82 64	48, 58, 68, 73	0
11	1P	149/150 (99%)	-0.09	0 100 100	33, 52, 68, 74	0
11	2P	149/150 (99%)	0.08	3 (2%) 65 41	42, 66, 79, 84	0
12	1Q	141/141 (100%)	-0.09	1 (0%) 84 66	38, 50, 60, 66	0
12	2Q	141/141 (100%)	0.28	3 (2%) 63 40	51, 65, 75, 83	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.21	1 (0%) 82 64	35, 44, 56, 67	0
13	2R	118/118 (100%)	0.02	1 (0%) 82 64	48, 58, 67, 77	0
14	1S	110/112 (98%)	-0.13	0 100 100	44, 53, 62, 66	0
14	2S	110/112 (98%)	0.36	0 100 100	62, 74, 82, 87	0
15	1T	131/146 (89%)	-0.14	1 (0%) 82 64	41, 53, 69, 82	0
15	2T	131/146 (89%)	0.01	3 (2%) 61 38	52, 62, 75, 83	0
16	1U	116/118 (98%)	-0.27	0 100 100	33, 42, 54, 69	0
16	2U	116/118 (98%)	-0.05	0 100 100	48, 64, 74, 82	0
17	1V	101/101 (100%)	-0.43	0 100 100	33, 47, 63, 74	0
17	2V	101/101 (100%)	-0.10	0 100 100	54, 68, 78, 86	0
18	1W	112/113 (99%)	-0.27	1 (0%) 81 61	34, 42, 56, 77	0
18	2W	112/113 (99%)	-0.10	0 100 100	43, 55, 68, 76	0
19	1X	95/96 (98%)	-0.10	0 100 100	34, 46, 61, 78	0
19	2X	95/96 (98%)	0.26	2 (2%) 63 40	48, 66, 77, 80	0
20	1Y	107/110 (97%)	-0.17	1 (0%) 81 61	41, 54, 70, 77	0
20	2Y	107/110 (97%)	0.45	3 (2%) 55 32	61, 72, 79, 87	0
21	1Z	154/206 (74%)	-0.04	0 100 100	45, 62, 74, 83	0
21	2Z	160/206 (77%)	0.28	0 100 100	64, 75, 83, 87	0
22	10	76/85 (89%)	-0.15	1 (1%) 75 53	37, 47, 56, 61	0
22	20	76/85 (89%)	0.28	2 (2%) 57 34	55, 64, 71, 79	0
23	11	97/98 (98%)	0.07	2 (2%) 63 40	36, 51, 70, 80	0
23	21	97/98 (98%)	0.17	1 (1%) 79 59	48, 62, 75, 77	0
24	12	70/72 (97%)	-0.08	0 100 100	40, 54, 63, 72	0
24	22	70/72 (97%)	-0.05	1 (1%) 73 51	60, 71, 77, 79	0
25	13	59/60 (98%)	-0.35	0 100 100	37, 45, 62, 71	0
25	23	59/60 (98%)	-0.05	0 100 100	53, 66, 79, 88	0
26	14	69/71 (97%)	-0.02	1 (1%) 73 51	57, 73, 84, 94	0
26	24	69/71 (97%)	0.43	4 (5%) 29 15	70, 83, 91, 95	0
27	15	59/60 (98%)	-0.24	0 100 100	33, 42, 57, 71	0
27	25	59/60 (98%)	-0.02	0 100 100	48, 56, 67, 71	0
28	16	53/54 (98%)	-0.49	0 100 100	40, 47, 57, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.11	0 100 100	55, 62, 72, 79	0
29	17	48/49 (97%)	0.09	3 (6%) 26 13	32, 41, 60, 69	0
29	27	48/49 (97%)	0.28	3 (6%) 26 13	45, 51, 73, 80	0
30	18	64/65 (98%)	-0.26	0 100 100	34, 43, 52, 64	0
30	28	64/65 (98%)	0.06	0 100 100	49, 59, 67, 73	0
31	19	37/37 (100%)	0.15	1 (2%) 56 33	39, 50, 66, 73	0
31	29	37/37 (100%)	0.37	2 (5%) 31 16	61, 68, 78, 80	0
32	1a	1488/1521 (97%)	-0.16	12 (0%) 82 64	44, 72, 92, 106	0
32	2a	1491/1521 (98%)	-0.07	11 (0%) 84 66	56, 77, 95, 106	0
33	1b	231/256 (90%)	0.23	3 (1%) 75 53	65, 77, 87, 92	0
33	2b	231/256 (90%)	0.49	8 (3%) 47 27	67, 83, 89, 95	0
34	1c	206/239 (86%)	0.12	2 (0%) 79 59	63, 74, 82, 90	0
34	2c	206/239 (86%)	0.35	6 (2%) 53 31	66, 81, 89, 92	0
35	1d	208/209 (99%)	0.27	2 (0%) 79 59	62, 73, 81, 91	0
35	2d	208/209 (99%)	0.25	1 (0%) 87 72	62, 74, 80, 86	0
36	1e	148/162 (91%)	0.04	2 (1%) 73 51	56, 68, 77, 80	0
36	2e	148/162 (91%)	0.07	1 (0%) 84 66	63, 74, 81, 88	0
37	1f	100/101 (99%)	0.04	0 100 100	58, 70, 78, 79	0
37	2f	100/101 (99%)	-0.09	0 100 100	56, 70, 80, 82	0
38	1g	155/156 (99%)	-0.06	1 (0%) 85 69	64, 72, 83, 88	0
38	2g	155/156 (99%)	0.19	2 (1%) 75 53	70, 79, 90, 104	0
39	1h	137/138 (99%)	0.14	2 (1%) 72 49	61, 69, 76, 81	0
39	2h	137/138 (99%)	0.21	1 (0%) 84 66	65, 75, 82, 86	0
40	1i	127/128 (99%)	0.52	6 (4%) 36 19	60, 76, 82, 86	0
40	2i	127/128 (99%)	0.68	6 (4%) 36 19	69, 83, 90, 92	0
41	1j	97/105 (92%)	0.50	2 (2%) 63 40	64, 78, 86, 93	0
41	2j	96/105 (91%)	0.87	9 (9%) 14 7	71, 84, 90, 92	0
42	1k	114/129 (88%)	0.01	0 100 100	53, 69, 80, 82	0
42	2k	114/129 (88%)	0.07	0 100 100	64, 73, 79, 84	0
43	1l	121/132 (91%)	0.17	0 100 100	53, 64, 73, 77	0
43	2l	121/132 (91%)	0.22	1 (0%) 82 64	58, 67, 76, 84	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.22	4 (3%) 49 28	62, 72, 80, 94	0
44	2m	122/126 (96%)	0.56	4 (3%) 49 28	71, 80, 86, 102	0
45	1n	60/61 (98%)	0.47	1 (1%) 69 45	65, 72, 78, 81	0
45	2n	60/61 (98%)	1.10	7 (11%) 9 5	72, 82, 88, 91	0
46	1o	88/89 (98%)	0.15	1 (1%) 78 57	55, 66, 79, 84	0
46	2o	88/89 (98%)	0.02	0 100 100	62, 71, 79, 84	0
47	1p	82/88 (93%)	0.68	2 (2%) 59 36	59, 75, 83, 87	0
47	2p	82/88 (93%)	0.35	0 100 100	60, 70, 79, 83	0
48	1q	99/105 (94%)	0.15	1 (1%) 79 59	58, 68, 78, 82	0
48	2q	99/105 (94%)	0.28	3 (3%) 52 30	57, 71, 77, 80	0
49	1r	68/88 (77%)	0.04	0 100 100	62, 71, 78, 83	0
49	2r	68/88 (77%)	-0.19	0 100 100	64, 71, 76, 82	0
50	1s	83/93 (89%)	0.05	0 100 100	64, 75, 82, 84	0
50	2s	83/93 (89%)	0.69	6 (7%) 21 11	75, 84, 90, 95	0
51	1t	96/106 (90%)	0.29	1 (1%) 79 59	61, 70, 78, 82	0
51	2t	96/106 (90%)	0.34	5 (5%) 33 17	56, 71, 79, 81	0
52	1u	23/27 (85%)	0.41	0 100 100	64, 70, 73, 76	0
52	2u	23/27 (85%)	1.41	6 (26%) 1 1	73, 79, 84, 86	0
53	1v	13/24 (54%)	1.13	2 (15%) 5 3	53, 92, 100, 103	0
53	2v	13/24 (54%)	1.90	6 (46%) 0 0	72, 97, 102, 103	0
54	1x	72/77 (93%)	-0.37	0 100 100	46, 66, 82, 88	0
54	2x	72/77 (93%)	-0.33	0 100 100	56, 77, 89, 94	0
55	1z	16/16 (100%)	0.53	2 (12%) 8 5	38, 47, 62, 71	0
55	2z	16/16 (100%)	0.53	1 (6%) 26 13	52, 58, 66, 72	0
All	All	20628/21476 (96%)	-0.07	275 (1%) 75 53	28, 66, 87, 110	0

The worst 5 of 275 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
23	21	2	SER	7.1
44	2m	124	PRO	6.9
1	2A	2145	C	5.6
1	2A	2144	U	5.4
1	2A	2146	C	5.2

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

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
32	2MG	2a	1207	24/25	0.83	0.11	69,82,87,90	0
54	5MU	2x	54	21/22	0.84	0.10	73,80,87,94	0
1	5MU	2A	1915	21/22	0.85	0.09	64,79,83,84	0
54	PSU	2x	55	20/21	0.85	0.09	75,83,87,87	0
54	4SU	2x	8	20/21	0.88	0.08	69,83,95,100	0
32	PSU	2a	516	20/21	0.88	0.08	72,79,81,87	0
1	5MU	1A	1915	21/22	0.88	0.08	64,75,82,97	0
1	PSU	1A	1917	20/21	0.91	0.10	52,67,74,75	0
32	PSU	1a	516	20/21	0.91	0.10	68,73,77,78	0
32	5MC	2a	967	21/22	0.91	0.14	62,73,80,86	0
32	2MG	1a	1207	24/25	0.91	0.12	65,71,79,86	0
32	4OC	2a	1402	22/23	0.91	0.13	61,67,72,77	0
43	0TD	1l	92	10/11	0.91	0.11	54,61,67,68	0
54	5MC	2x	32	21/22	0.91	0.12	65,74,78,80	0
54	PSU	1x	55	20/21	0.91	0.09	56,67,76,82	0
1	PSU	2A	1911	20/21	0.91	0.08	54,67,70,74	0
54	5MC	1x	32	21/22	0.92	0.11	50,61,69,75	0
32	M2G	2a	966	25/26	0.92	0.13	64,70,82,85	0
54	4SU	1x	8	20/21	0.92	0.08	65,70,77,81	0
54	5MU	1x	54	21/22	0.93	0.08	64,67,72,78	0
32	5MC	2a	1400	21/22	0.93	0.10	63,66,71,77	0
32	7MG	2a	527	24/25	0.93	0.09	63,67,75,77	0
43	0TD	2l	92	10/11	0.93	0.09	63,69,73,80	0
1	4OC	2A	1920	21/23	0.94	0.09	61,68,73,80	0
1	PSU	1A	1911	20/21	0.94	0.08	58,66,67,69	0
32	5MC	2a	1404	21/22	0.94	0.09	58,65,70,73	0
32	7MG	1a	527	24/25	0.94	0.10	51,57,66,73	0
1	4OC	1A	1920	21/23	0.95	0.11	34,57,65,66	0
1	PSU	2A	1917	20/21	0.95	0.06	67,75,82,84	0
32	5MC	1a	1400	21/22	0.95	0.08	57,61,66,70	0
1	5MC	2A	1942	21/22	0.95	0.08	52,63,73,76	0
1	5MC	2A	1962	21/22	0.95	0.10	46,59,63,72	0
32	5MC	2a	1407	21/22	0.95	0.07	60,64,68,71	0
32	UR3	2a	1498	21/22	0.95	0.09	53,59,64,72	0
1	OMG	2A	2251	24/25	0.95	0.10	44,49,54,59	0
1	2MA	2A	2503	23/24	0.95	0.12	37,43,51,56	0
32	5MC	1a	1404	21/22	0.95	0.10	37,56,62,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MA6	1a	1519	24/25	0.95	0.13	48,56,60,69	0
32	5MC	1a	967	21/22	0.95	0.09	59,67,72,76	0
1	5MU	2A	1939	21/22	0.96	0.08	41,54,59,64	0
1	5MC	1A	1942	21/22	0.96	0.08	47,52,59,64	0
32	MA6	2a	1518	24/25	0.96	0.09	56,64,68,70	0
32	4OC	1a	1402	22/23	0.96	0.08	58,61,65,74	0
32	M2G	1a	966	25/26	0.96	0.08	55,63,68,73	0
32	5MC	1a	1407	21/22	0.96	0.09	44,53,61,61	0
1	PSU	2A	2605	20/21	0.96	0.10	41,48,51,52	0
32	MA6	1a	1518	24/25	0.96	0.10	46,55,61,63	0
1	5MU	1A	1939	21/22	0.97	0.07	37,43,47,52	0
1	5MC	1A	1962	21/22	0.97	0.09	39,51,59,68	0
32	MA6	2a	1519	24/25	0.97	0.09	54,65,68,69	0
1	OMG	1A	2251	24/25	0.97	0.08	27,39,44,45	0
1	2MU	2A	2552	21/23	0.97	0.07	43,49,56,59	0
1	2MU	1A	2552	21/23	0.97	0.08	40,43,50,51	0
32	UR3	1a	1498	21/22	0.97	0.07	41,50,53,56	0
1	PSU	1A	2605	20/21	0.97	0.08	35,40,44,48	0
1	2MA	1A	2503	23/24	0.98	0.08	22,35,40,45	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($\text{\AA}^2$)	Q<0.9
56	MG	1B	227	1/1	0.55	0.21	77,77,77,77	0
56	MG	1a	1733	1/1	0.58	0.31	81,81,81,81	0
56	MG	1x	110	1/1	0.58	0.30	76,76,76,76	0
56	MG	2A	3455	1/1	0.59	0.24	61,61,61,61	0
56	MG	2A	3263	1/1	0.64	0.11	58,58,58,58	0
56	MG	2A	3668	1/1	0.65	0.14	64,64,64,64	0
56	MG	2A	3717	1/1	0.65	0.20	73,73,73,73	0
56	MG	2a	3209	1/1	0.65	0.27	76,76,76,76	0
56	MG	1A	3237	1/1	0.67	0.19	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3936	1/1	0.67	0.26	97,97,97,97	0
56	MG	2A	3099	1/1	0.68	0.25	64,64,64,64	0
56	MG	2a	3095	1/1	0.68	0.23	70,70,70,70	0
56	MG	2a	3119	1/1	0.68	0.25	85,85,85,85	0
56	MG	2A	3069	1/1	0.68	0.19	63,63,63,63	0
56	MG	2B	214	1/1	0.70	0.17	65,65,65,65	0
56	MG	2A	3634	1/1	0.70	0.17	58,58,58,58	0
56	MG	1A	3599	1/1	0.71	0.16	64,64,64,64	0
56	MG	2A	3319	1/1	0.71	0.23	83,83,83,83	0
56	MG	2a	3217	1/1	0.71	0.08	76,76,76,76	0
56	MG	1a	1679	1/1	0.72	0.19	78,78,78,78	0
56	MG	2A	3304	1/1	0.72	0.23	78,78,78,78	0
56	MG	2A	3512	1/1	0.72	0.17	69,69,69,69	0
56	MG	2A	3555	1/1	0.72	0.17	71,71,71,71	0
59	K	2A	3421	1/1	0.72	0.27	91,91,91,91	0
56	MG	2v	101	1/1	0.73	0.14	77,77,77,77	0
56	MG	2A	3593	1/1	0.73	0.20	73,73,73,73	0
56	MG	2a	3081	1/1	0.74	0.18	75,75,75,75	0
56	MG	2a	3184	1/1	0.74	0.20	69,69,69,69	0
56	MG	2A	3678	1/1	0.74	0.20	63,63,63,63	0
56	MG	2A	3301	1/1	0.75	0.12	57,57,57,57	0
56	MG	2A	3787	1/1	0.75	0.23	69,69,69,69	0
56	MG	2A	3225	1/1	0.75	0.26	63,63,63,63	0
56	MG	2A	3513	1/1	0.75	0.24	70,70,70,70	0
56	MG	1A	3167	1/1	0.75	0.24	60,60,60,60	0
56	MG	2a	3100	1/1	0.75	0.25	76,76,76,76	0
56	MG	1A	3739	1/1	0.76	0.16	74,74,74,74	0
56	MG	2A	3793	1/1	0.76	0.12	55,55,55,55	0
56	MG	1A	3338	1/1	0.76	0.12	70,70,70,70	0
56	MG	1x	114	1/1	0.76	0.20	71,71,71,71	0
56	MG	2A	3058	1/1	0.76	0.17	56,56,56,56	0
56	MG	1a	1691	1/1	0.76	0.20	62,62,62,62	0
56	MG	2a	3114	1/1	0.77	0.17	60,60,60,60	0
56	MG	2a	3020	1/1	0.77	0.30	63,63,63,63	0
56	MG	2a	3152	1/1	0.77	0.13	79,79,79,79	0
56	MG	2a	3013	1/1	0.77	0.29	68,68,68,68	0
56	MG	1a	1777	1/1	0.78	0.14	69,69,69,69	0
56	MG	1A	3515	1/1	0.78	0.08	54,54,54,54	0
56	MG	2A	3699	1/1	0.78	0.15	69,69,69,69	0
56	MG	1A	3330	1/1	0.78	0.18	52,52,52,52	0
56	MG	2A	3005	1/1	0.78	0.36	71,71,71,71	0
56	MG	2A	3284	1/1	0.78	0.11	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3592	1/1	0.78	0.14	61,61,61,61	0
56	MG	2A	3042	1/1	0.78	0.20	78,78,78,78	0
56	MG	1a	1774	1/1	0.78	0.16	67,67,67,67	0
56	MG	2A	3640	1/1	0.78	0.18	75,75,75,75	0
56	MG	1a	1731	1/1	0.79	0.10	62,62,62,62	0
56	MG	2A	3320	1/1	0.79	0.26	62,62,62,62	0
56	MG	2A	3321	1/1	0.79	0.26	54,54,54,54	0
56	MG	2a	3120	1/1	0.79	0.24	67,67,67,67	0
56	MG	2A	3407	1/1	0.79	0.20	49,49,49,49	0
56	MG	2A	3422	1/1	0.79	0.30	65,65,65,65	0
56	MG	1A	3857	1/1	0.79	0.35	72,72,72,72	0
56	MG	2a	3031	1/1	0.79	0.21	81,81,81,81	0
56	MG	2A	3195	1/1	0.79	0.26	76,76,76,76	0
56	MG	2x	102	1/1	0.79	0.10	69,69,69,69	0
56	MG	1a	1666	1/1	0.79	0.23	66,66,66,66	0
56	MG	2a	3003	1/1	0.80	0.17	77,77,77,77	0
56	MG	2a	3006	1/1	0.80	0.20	59,59,59,59	0
56	MG	2A	3526	1/1	0.80	0.21	75,75,75,75	0
56	MG	1A	4026	1/1	0.80	0.12	66,66,66,66	0
56	MG	2A	3570	1/1	0.80	0.13	51,51,51,51	0
56	MG	1A	4028	1/1	0.80	0.16	52,52,52,52	0
56	MG	1A	3750	1/1	0.80	0.11	54,54,54,54	0
56	MG	19	102	1/1	0.80	0.21	45,45,45,45	0
56	MG	2A	3082	1/1	0.80	0.35	77,77,77,77	0
56	MG	1a	1663	1/1	0.80	0.30	70,70,70,70	0
56	MG	2A	3677	1/1	0.80	0.23	66,66,66,66	0
56	MG	2A	3340	1/1	0.80	0.17	69,69,69,69	0
56	MG	1x	108	1/1	0.80	0.10	64,64,64,64	0
56	MG	2a	3198	1/1	0.80	0.17	62,62,62,62	0
56	MG	2a	3200	1/1	0.80	0.23	73,73,73,73	0
56	MG	2A	3209	1/1	0.80	0.19	64,64,64,64	0
56	MG	2a	3214	1/1	0.80	0.14	64,64,64,64	0
56	MG	2A	3786	1/1	0.80	0.20	79,79,79,79	0
56	MG	1A	3438	1/1	0.80	0.08	54,54,54,54	0
56	MG	2A	3244	1/1	0.80	0.21	64,64,64,64	0
56	MG	1A	3068	1/1	0.80	0.16	32,32,32,32	0
56	MG	2a	3008	1/1	0.81	0.22	61,61,61,61	0
56	MG	1A	3365	1/1	0.81	0.16	44,44,44,44	0
56	MG	1x	109	1/1	0.81	0.16	60,60,60,60	0
56	MG	2A	3285	1/1	0.81	0.09	54,54,54,54	0
56	MG	2a	3056	1/1	0.81	0.18	75,75,75,75	0
56	MG	1A	3825	1/1	0.81	0.16	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3382	1/1	0.81	0.23	55,55,55,55	0
56	MG	1B	228	1/1	0.81	0.13	51,51,51,51	0
56	MG	1a	1718	1/1	0.81	0.11	46,46,46,46	0
56	MG	2A	3674	1/1	0.81	0.18	63,63,63,63	0
56	MG	1a	1720	1/1	0.81	0.19	69,69,69,69	0
56	MG	2a	3130	1/1	0.81	0.08	100,100,100,100	0
56	MG	1A	3313	1/1	0.81	0.23	53,53,53,53	0
56	MG	2A	3378	1/1	0.81	0.21	47,47,47,47	0
56	MG	1a	1602	1/1	0.81	0.23	74,74,74,74	0
56	MG	2A	3782	1/1	0.81	0.29	56,56,56,56	0
56	MG	2a	3203	1/1	0.81	0.14	64,64,64,64	0
56	MG	1a	1617	1/1	0.81	0.08	51,51,51,51	0
56	MG	1a	1637	1/1	0.81	0.15	48,48,48,48	0
56	MG	2a	3216	1/1	0.81	0.17	67,67,67,67	0
56	MG	1a	1780	1/1	0.81	0.17	74,74,74,74	0
56	MG	1b	301	1/1	0.81	0.09	77,77,77,77	0
56	MG	2A	3516	1/1	0.81	0.24	65,65,65,65	0
56	MG	1x	104	1/1	0.81	0.23	64,64,64,64	0
56	MG	1a	1730	1/1	0.82	0.20	80,80,80,80	0
56	MG	2A	3242	1/1	0.82	0.10	56,56,56,56	0
56	MG	2a	3016	1/1	0.82	0.18	61,61,61,61	0
56	MG	1A	3304	1/1	0.82	0.12	62,62,62,62	0
56	MG	1A	3464	1/1	0.82	0.10	57,57,57,57	0
56	MG	2a	3036	1/1	0.82	0.14	70,70,70,70	0
56	MG	2A	3034	1/1	0.82	0.26	51,51,51,51	0
56	MG	1A	3056	1/1	0.82	0.10	32,32,32,32	0
56	MG	2A	3626	1/1	0.82	0.17	75,75,75,75	0
56	MG	1A	3583	1/1	0.82	0.22	64,64,64,64	0
56	MG	2a	3108	1/1	0.82	0.16	73,73,73,73	0
56	MG	2A	3636	1/1	0.82	0.27	50,50,50,50	0
56	MG	1a	1673	1/1	0.82	0.13	43,43,43,43	0
56	MG	2A	3645	1/1	0.82	0.15	64,64,64,64	0
56	MG	2A	3307	1/1	0.82	0.08	61,61,61,61	0
56	MG	13	104	1/1	0.82	0.12	62,62,62,62	0
56	MG	17	106	1/1	0.82	0.22	41,41,41,41	0
56	MG	2A	3111	1/1	0.82	0.19	69,69,69,69	0
56	MG	2A	3327	1/1	0.82	0.16	70,70,70,70	0
56	MG	2A	3139	1/1	0.82	0.14	53,53,53,53	0
56	MG	2a	3208	1/1	0.82	0.13	66,66,66,66	0
56	MG	2A	3359	1/1	0.82	0.21	67,67,67,67	0
56	MG	2A	3143	1/1	0.82	0.13	59,59,59,59	0
56	MG	2a	3215	1/1	0.82	0.16	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3156	1/1	0.82	0.13	70,70,70,70	0
56	MG	2A	3184	1/1	0.82	0.18	59,59,59,59	0
56	MG	1A	3257	1/1	0.82	0.15	70,70,70,70	0
56	MG	2A	3198	1/1	0.82	0.14	47,47,47,47	0
56	MG	1A	3962	1/1	0.82	0.22	81,81,81,81	0
56	MG	2A	3228	1/1	0.83	0.10	49,49,49,49	0
56	MG	2A	3063	1/1	0.83	0.12	46,46,46,46	0
56	MG	1A	3050	1/1	0.83	0.28	56,56,56,56	0
56	MG	2A	3247	1/1	0.83	0.10	61,61,61,61	0
56	MG	2A	3080	1/1	0.83	0.13	53,53,53,53	0
56	MG	2a	3035	1/1	0.83	0.25	62,62,62,62	0
56	MG	1A	3592	1/1	0.83	0.09	79,79,79,79	0
56	MG	2a	3042	1/1	0.83	0.18	51,51,51,51	0
56	MG	1A	3320	1/1	0.83	0.16	51,51,51,51	0
56	MG	2a	3067	1/1	0.83	0.24	49,49,49,49	0
56	MG	1A	3659	1/1	0.83	0.15	53,53,53,53	0
56	MG	2A	3123	1/1	0.83	0.28	51,51,51,51	0
56	MG	2A	3635	1/1	0.83	0.13	76,76,76,76	0
56	MG	2a	3102	1/1	0.83	0.16	62,62,62,62	0
56	MG	2A	3133	1/1	0.83	0.10	52,52,52,52	0
56	MG	1a	1695	1/1	0.83	0.20	69,69,69,69	0
56	MG	1A	3664	1/1	0.83	0.17	69,69,69,69	0
56	MG	1A	3468	1/1	0.83	0.14	37,37,37,37	0
56	MG	2A	3158	1/1	0.83	0.29	72,72,72,72	0
56	MG	2A	3183	1/1	0.83	0.24	66,66,66,66	0
56	MG	2a	3171	1/1	0.83	0.17	70,70,70,70	0
56	MG	2A	3357	1/1	0.83	0.24	67,67,67,67	0
56	MG	1a	1624	1/1	0.83	0.18	68,68,68,68	0
56	MG	2A	3709	1/1	0.83	0.13	69,69,69,69	0
56	MG	2A	3360	1/1	0.83	0.13	71,71,71,71	0
56	MG	1A	4036	1/1	0.83	0.19	40,40,40,40	0
56	MG	2A	3404	1/1	0.83	0.28	51,51,51,51	0
56	MG	1a	1653	1/1	0.83	0.37	61,61,61,61	0
56	MG	2A	3203	1/1	0.83	0.09	45,45,45,45	0
56	MG	2A	3807	1/1	0.83	0.11	51,51,51,51	0
56	MG	1a	1751	1/1	0.83	0.16	73,73,73,73	0
56	MG	2T	201	1/1	0.83	0.15	63,63,63,63	0
56	MG	2A	3464	1/1	0.83	0.11	75,75,75,75	0
56	MG	1A	3397	1/1	0.83	0.14	58,58,58,58	0
56	MG	1A	3409	1/1	0.84	0.15	46,46,46,46	0
56	MG	1A	3533	1/1	0.84	0.27	63,63,63,63	0
56	MG	2A	3350	1/1	0.84	0.08	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3222	1/1	0.84	0.17	69,69,69,69	0
56	MG	2A	3646	1/1	0.84	0.06	71,71,71,71	0
56	MG	1A	3826	1/1	0.84	0.16	45,45,45,45	0
56	MG	1A	3426	1/1	0.84	0.17	51,51,51,51	0
56	MG	2A	3366	1/1	0.84	0.14	64,64,64,64	0
56	MG	2A	3229	1/1	0.84	0.06	39,39,39,39	0
56	MG	1A	3428	1/1	0.84	0.07	62,62,62,62	0
56	MG	2a	3109	1/1	0.84	0.11	60,60,60,60	0
56	MG	1A	3321	1/1	0.84	0.14	63,63,63,63	0
56	MG	2A	3420	1/1	0.84	0.09	52,52,52,52	0
56	MG	2A	3773	1/1	0.84	0.10	67,67,67,67	0
56	MG	1a	1608	1/1	0.84	0.10	60,60,60,60	0
56	MG	2A	3261	1/1	0.84	0.07	46,46,46,46	0
56	MG	1x	112	1/1	0.84	0.21	68,68,68,68	0
56	MG	1A	4025	1/1	0.84	0.20	74,74,74,74	0
56	MG	1x	115	1/1	0.84	0.09	71,71,71,71	0
56	MG	2B	212	1/1	0.84	0.12	61,61,61,61	0
56	MG	2A	3294	1/1	0.84	0.12	55,55,55,55	0
56	MG	2E	301	1/1	0.84	0.25	62,62,62,62	0
56	MG	1A	3458	1/1	0.84	0.09	63,63,63,63	0
56	MG	1a	1632	1/1	0.84	0.14	47,47,47,47	0
56	MG	1A	3390	1/1	0.84	0.23	56,56,56,56	0
56	MG	2A	3193	1/1	0.84	0.13	63,63,63,63	0
56	MG	1A	3182	1/1	0.84	0.15	53,53,53,53	0
56	MG	2i	201	1/1	0.84	0.06	54,54,54,54	0
56	MG	2A	3616	1/1	0.84	0.21	69,69,69,69	0
56	MG	1a	1659	1/1	0.84	0.13	62,62,62,62	0
56	MG	2A	3324	1/1	0.84	0.26	67,67,67,67	0
56	MG	1A	3405	1/1	0.85	0.11	40,40,40,40	0
56	MG	2A	3380	1/1	0.85	0.23	44,44,44,44	0
56	MG	2a	3054	1/1	0.85	0.24	58,58,58,58	0
56	MG	2A	3168	1/1	0.85	0.11	44,44,44,44	0
56	MG	2A	3271	1/1	0.85	0.11	59,59,59,59	0
56	MG	2A	3172	1/1	0.85	0.11	64,64,64,64	0
56	MG	2a	3091	1/1	0.85	0.16	61,61,61,61	0
56	MG	2A	3052	1/1	0.85	0.14	61,61,61,61	0
56	MG	2a	3096	1/1	0.85	0.25	64,64,64,64	0
56	MG	2A	3445	1/1	0.85	0.08	58,58,58,58	0
56	MG	1B	219	1/1	0.85	0.16	53,53,53,53	0
56	MG	2A	3459	1/1	0.85	0.33	59,59,59,59	0
56	MG	1a	1692	1/1	0.85	0.10	70,70,70,70	0
56	MG	2A	3481	1/1	0.85	0.31	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3350	1/1	0.85	0.27	50,50,50,50	0
56	MG	2A	3791	1/1	0.85	0.14	56,56,56,56	0
56	MG	1A	3471	1/1	0.85	0.15	50,50,50,50	0
56	MG	2A	3798	1/1	0.85	0.26	59,59,59,59	0
56	MG	2a	3156	1/1	0.85	0.09	76,76,76,76	0
56	MG	2A	3313	1/1	0.85	0.22	52,52,52,52	0
56	MG	1a	1638	1/1	0.85	0.22	58,58,58,58	0
56	MG	2a	3185	1/1	0.85	0.12	55,55,55,55	0
56	MG	2A	3085	1/1	0.85	0.10	55,55,55,55	0
56	MG	1A	3445	1/1	0.85	0.15	57,57,57,57	0
56	MG	1A	3713	1/1	0.85	0.16	36,36,36,36	0
56	MG	1A	3447	1/1	0.85	0.09	50,50,50,50	0
56	MG	1A	3386	1/1	0.85	0.10	37,37,37,37	0
56	MG	2A	3239	1/1	0.85	0.24	66,66,66,66	0
56	MG	2A	3355	1/1	0.85	0.22	51,51,51,51	0
56	MG	1a	1766	1/1	0.85	0.15	83,83,83,83	0
56	MG	2a	3019	1/1	0.85	0.09	59,59,59,59	0
56	MG	1A	3795	1/1	0.85	0.10	51,51,51,51	0
56	MG	2a	3022	1/1	0.85	0.26	60,60,60,60	0
56	MG	2A	3035	1/1	0.85	0.19	67,67,67,67	0
56	MG	2A	3251	1/1	0.85	0.08	63,63,63,63	0
56	MG	2A	3028	1/1	0.86	0.16	50,50,50,50	0
56	MG	1A	3785	1/1	0.86	0.20	68,68,68,68	0
56	MG	1A	3423	1/1	0.86	0.15	55,55,55,55	0
56	MG	1A	3820	1/1	0.86	0.21	45,45,45,45	0
56	MG	1a	1701	1/1	0.86	0.19	55,55,55,55	0
56	MG	2A	3461	1/1	0.86	0.38	47,47,47,47	0
56	MG	2a	3010	1/1	0.86	0.19	70,70,70,70	0
56	MG	1a	1706	1/1	0.86	0.19	62,62,62,62	0
56	MG	2A	3468	1/1	0.86	0.13	59,59,59,59	0
56	MG	1a	1708	1/1	0.86	0.26	63,63,63,63	0
56	MG	1A	3375	1/1	0.86	0.08	57,57,57,57	0
56	MG	1A	3086	1/1	0.86	0.23	51,51,51,51	0
56	MG	1A	3841	1/1	0.86	0.15	48,48,48,48	0
56	MG	1A	3403	1/1	0.86	0.16	64,64,64,64	0
56	MG	2A	3089	1/1	0.86	0.22	61,61,61,61	0
56	MG	1A	3907	1/1	0.86	0.11	39,39,39,39	0
56	MG	2A	3580	1/1	0.86	0.20	54,54,54,54	0
56	MG	2A	3586	1/1	0.86	0.11	66,66,66,66	0
56	MG	1a	1623	1/1	0.86	0.08	65,65,65,65	0
56	MG	2a	3075	1/1	0.86	0.17	56,56,56,56	0
56	MG	2a	3076	1/1	0.86	0.14	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3113	1/1	0.86	0.12	66,66,66,66	0
56	MG	2A	3608	1/1	0.86	0.18	64,64,64,64	0
56	MG	1A	3662	1/1	0.86	0.15	68,68,68,68	0
56	MG	2A	3124	1/1	0.86	0.19	50,50,50,50	0
56	MG	2A	3127	1/1	0.86	0.16	70,70,70,70	0
56	MG	2A	3309	1/1	0.86	0.12	66,66,66,66	0
56	MG	1A	3496	1/1	0.86	0.14	60,60,60,60	0
56	MG	1A	3997	1/1	0.86	0.22	63,63,63,63	0
56	MG	1A	4015	1/1	0.86	0.11	61,61,61,61	0
56	MG	2a	3116	1/1	0.86	0.15	74,74,74,74	0
56	MG	1a	1644	1/1	0.86	0.20	66,66,66,66	0
56	MG	1f	201	1/1	0.86	0.19	53,53,53,53	0
56	MG	1A	3682	1/1	0.86	0.13	64,64,64,64	0
56	MG	2a	3133	1/1	0.86	0.10	78,78,78,78	0
56	MG	2A	3170	1/1	0.86	0.17	66,66,66,66	0
56	MG	1a	1654	1/1	0.86	0.17	48,48,48,48	0
56	MG	2A	3691	1/1	0.86	0.15	68,68,68,68	0
56	MG	2A	3697	1/1	0.86	0.12	62,62,62,62	0
56	MG	2A	3352	1/1	0.86	0.08	47,47,47,47	0
56	MG	2a	3191	1/1	0.86	0.10	67,67,67,67	0
56	MG	1A	3508	1/1	0.86	0.07	42,42,42,42	0
56	MG	2A	3715	1/1	0.86	0.11	63,63,63,63	0
56	MG	1A	3715	1/1	0.86	0.16	51,51,51,51	0
56	MG	2A	3185	1/1	0.86	0.09	46,46,46,46	0
56	MG	2A	3775	1/1	0.86	0.20	51,51,51,51	0
56	MG	1A	4029	1/1	0.86	0.09	54,54,54,54	0
56	MG	1A	3316	1/1	0.86	0.07	42,42,42,42	0
56	MG	1a	1677	1/1	0.86	0.20	66,66,66,66	0
56	MG	1A	3387	1/1	0.86	0.08	46,46,46,46	0
56	MG	2A	3392	1/1	0.86	0.15	56,56,56,56	0
56	MG	2A	3393	1/1	0.86	0.23	50,50,50,50	0
56	MG	2A	3018	1/1	0.86	0.09	56,56,56,56	0
56	MG	2A	3220	1/1	0.86	0.08	58,58,58,58	0
56	MG	1A	3570	1/1	0.87	0.16	40,40,40,40	0
56	MG	1A	3775	1/1	0.87	0.17	51,51,51,51	0
56	MG	1A	3783	1/1	0.87	0.12	57,57,57,57	0
56	MG	1A	3287	1/1	0.87	0.10	36,36,36,36	0
56	MG	2A	3810	1/1	0.87	0.17	51,51,51,51	0
56	MG	2B	204	1/1	0.87	0.10	61,61,61,61	0
56	MG	2B	205	1/1	0.87	0.15	62,62,62,62	0
56	MG	1A	3323	1/1	0.87	0.09	31,31,31,31	0
56	MG	1A	3806	1/1	0.87	0.60	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3812	1/1	0.87	0.11	49,49,49,49	0
56	MG	2A	3027	1/1	0.87	0.10	61,61,61,61	0
56	MG	20	101	1/1	0.87	0.30	47,47,47,47	0
56	MG	20	102	1/1	0.87	0.20	53,53,53,53	0
56	MG	2A	3439	1/1	0.87	0.27	62,62,62,62	0
56	MG	2a	3005	1/1	0.87	0.13	60,60,60,60	0
56	MG	1a	1682	1/1	0.87	0.11	57,57,57,57	0
56	MG	2A	3452	1/1	0.87	0.18	45,45,45,45	0
56	MG	1B	226	1/1	0.87	0.07	51,51,51,51	0
56	MG	1A	3814	1/1	0.87	0.12	38,38,38,38	0
56	MG	2a	3014	1/1	0.87	0.32	66,66,66,66	0
56	MG	2A	3237	1/1	0.87	0.25	56,56,56,56	0
56	MG	1a	1693	1/1	0.87	0.09	58,58,58,58	0
56	MG	2A	3241	1/1	0.87	0.07	40,40,40,40	0
56	MG	1a	1694	1/1	0.87	0.13	51,51,51,51	0
56	MG	2a	3026	1/1	0.87	0.17	48,48,48,48	0
56	MG	2A	3499	1/1	0.87	0.10	64,64,64,64	0
56	MG	2A	3056	1/1	0.87	0.13	67,67,67,67	0
56	MG	1A	3303	1/1	0.87	0.14	38,38,38,38	0
56	MG	2A	3250	1/1	0.87	0.36	61,61,61,61	0
56	MG	1a	1696	1/1	0.87	0.17	61,61,61,61	0
56	MG	2A	3258	1/1	0.87	0.17	62,62,62,62	0
56	MG	2a	3062	1/1	0.87	0.19	59,59,59,59	0
56	MG	2A	3559	1/1	0.87	0.08	51,51,51,51	0
56	MG	2a	3074	1/1	0.87	0.20	55,55,55,55	0
56	MG	2A	3565	1/1	0.87	0.18	47,47,47,47	0
56	MG	1G	204	1/1	0.87	0.08	53,53,53,53	0
56	MG	1Y	201	1/1	0.87	0.10	49,49,49,49	0
56	MG	2a	3089	1/1	0.87	0.12	53,53,53,53	0
56	MG	1A	3038	1/1	0.87	0.17	55,55,55,55	0
56	MG	1A	3119	1/1	0.87	0.08	61,61,61,61	0
56	MG	1A	3828	1/1	0.87	0.22	64,64,64,64	0
56	MG	2A	3290	1/1	0.87	0.14	54,54,54,54	0
56	MG	1A	3243	1/1	0.87	0.23	63,63,63,63	0
56	MG	2A	3300	1/1	0.87	0.13	57,57,57,57	0
56	MG	1A	3842	1/1	0.87	0.13	40,40,40,40	0
56	MG	1A	3081	1/1	0.87	0.11	41,41,41,41	0
56	MG	2a	3115	1/1	0.87	0.29	64,64,64,64	0
56	MG	1a	1747	1/1	0.87	0.33	59,59,59,59	0
56	MG	1a	1749	1/1	0.87	0.21	63,63,63,63	0
56	MG	2A	3643	1/1	0.87	0.19	61,61,61,61	0
56	MG	2a	3123	1/1	0.87	0.15	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3124	1/1	0.87	0.24	60,60,60,60	0
56	MG	1A	3519	1/1	0.87	0.11	44,44,44,44	0
56	MG	1a	1756	1/1	0.87	0.20	70,70,70,70	0
56	MG	2A	3661	1/1	0.87	0.14	62,62,62,62	0
56	MG	2a	3155	1/1	0.87	0.12	72,72,72,72	0
56	MG	2A	3134	1/1	0.87	0.26	61,61,61,61	0
56	MG	1A	3925	1/1	0.87	0.20	82,82,82,82	0
56	MG	1a	1626	1/1	0.87	0.11	66,66,66,66	0
56	MG	2A	3145	1/1	0.87	0.10	49,49,49,49	0
56	MG	2A	3339	1/1	0.87	0.25	47,47,47,47	0
56	MG	2A	3151	1/1	0.87	0.21	50,50,50,50	0
56	MG	2A	3344	1/1	0.87	0.07	54,54,54,54	0
56	MG	1a	1627	1/1	0.87	0.21	60,60,60,60	0
56	MG	1A	3457	1/1	0.87	0.08	52,52,52,52	0
56	MG	1A	3947	1/1	0.87	0.18	60,60,60,60	0
56	MG	2A	3728	1/1	0.87	0.14	64,64,64,64	0
56	MG	2A	3729	1/1	0.87	0.08	66,66,66,66	0
56	MG	1A	3732	1/1	0.87	0.17	49,49,49,49	0
56	MG	1s	101	1/1	0.87	0.17	61,61,61,61	0
56	MG	2A	3776	1/1	0.87	0.12	62,62,62,62	0
56	MG	2k	201	1/1	0.87	0.16	59,59,59,59	0
56	MG	1A	3985	1/1	0.87	0.17	45,45,45,45	0
56	MG	1A	3561	1/1	0.87	0.09	41,41,41,41	0
56	MG	2x	105	1/1	0.87	0.30	59,59,59,59	0
56	MG	2A	3372	1/1	0.87	0.10	63,63,63,63	0
56	MG	1A	3660	1/1	0.88	0.12	52,52,52,52	0
56	MG	2A	3426	1/1	0.88	0.21	40,40,40,40	0
56	MG	2A	3430	1/1	0.88	0.16	42,42,42,42	0
56	MG	1U	208	1/1	0.88	0.42	40,40,40,40	0
56	MG	2A	3442	1/1	0.88	0.23	63,63,63,63	0
56	MG	1A	3401	1/1	0.88	0.15	48,48,48,48	0
56	MG	2F	301	1/1	0.88	0.16	50,50,50,50	0
56	MG	2O	201	1/1	0.88	0.15	61,61,61,61	0
56	MG	10	102	1/1	0.88	0.24	68,68,68,68	0
56	MG	1A	3470	1/1	0.88	0.37	32,32,32,32	0
56	MG	1A	3255	1/1	0.88	0.17	38,38,38,38	0
56	MG	2a	3001	1/1	0.88	0.13	52,52,52,52	0
56	MG	1A	3312	1/1	0.88	0.20	64,64,64,64	0
56	MG	1A	3916	1/1	0.88	0.19	80,80,80,80	0
56	MG	2A	3467	1/1	0.88	0.20	61,61,61,61	0
56	MG	2a	3007	1/1	0.88	0.26	55,55,55,55	0
56	MG	1a	1603	1/1	0.88	0.08	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3475	1/1	0.88	0.17	50,50,50,50	0
56	MG	1a	1606	1/1	0.88	0.16	69,69,69,69	0
56	MG	1A	3355	1/1	0.88	0.06	41,41,41,41	0
56	MG	1a	1613	1/1	0.88	0.10	71,71,71,71	0
56	MG	2A	3091	1/1	0.88	0.24	54,54,54,54	0
56	MG	2A	3094	1/1	0.88	0.17	52,52,52,52	0
56	MG	2A	3268	1/1	0.88	0.17	57,57,57,57	0
56	MG	2A	3528	1/1	0.88	0.18	54,54,54,54	0
56	MG	2A	3530	1/1	0.88	0.14	46,46,46,46	0
56	MG	2a	3034	1/1	0.88	0.37	55,55,55,55	0
56	MG	2A	3533	1/1	0.88	0.21	65,65,65,65	0
56	MG	1a	1732	1/1	0.88	0.37	53,53,53,53	0
56	MG	2A	3281	1/1	0.88	0.19	59,59,59,59	0
56	MG	2A	3109	1/1	0.88	0.20	75,75,75,75	0
56	MG	2A	3566	1/1	0.88	0.20	66,66,66,66	0
56	MG	1A	3718	1/1	0.88	0.13	39,39,39,39	0
56	MG	2A	3579	1/1	0.88	0.14	67,67,67,67	0
56	MG	2a	3072	1/1	0.88	0.22	56,56,56,56	0
56	MG	1a	1618	1/1	0.88	0.13	53,53,53,53	0
56	MG	1A	3514	1/1	0.88	0.08	61,61,61,61	0
56	MG	1A	3256	1/1	0.88	0.10	36,36,36,36	0
56	MG	2a	3080	1/1	0.88	0.17	54,54,54,54	0
56	MG	1A	3149	1/1	0.88	0.75	40,40,40,40	0
56	MG	2a	3082	1/1	0.88	0.13	53,53,53,53	0
56	MG	2A	3595	1/1	0.88	0.24	57,57,57,57	0
56	MG	2a	3090	1/1	0.88	0.09	73,73,73,73	0
56	MG	1a	1764	1/1	0.88	0.15	60,60,60,60	0
56	MG	2A	3614	1/1	0.88	0.12	66,66,66,66	0
56	MG	1A	3380	1/1	0.88	0.11	42,42,42,42	0
56	MG	2A	3623	1/1	0.88	0.12	55,55,55,55	0
56	MG	2A	3308	1/1	0.88	0.15	74,74,74,74	0
56	MG	1A	3546	1/1	0.88	0.11	49,49,49,49	0
56	MG	2A	3310	1/1	0.88	0.07	55,55,55,55	0
56	MG	1A	3273	1/1	0.88	0.17	43,43,43,43	0
56	MG	2A	3315	1/1	0.88	0.23	67,67,67,67	0
56	MG	1A	3383	1/1	0.88	0.23	56,56,56,56	0
56	MG	1A	3797	1/1	0.88	0.16	52,52,52,52	0
56	MG	1a	1648	1/1	0.88	0.10	50,50,50,50	0
56	MG	1A	3159	1/1	0.88	0.10	60,60,60,60	0
56	MG	2A	3163	1/1	0.88	0.21	63,63,63,63	0
56	MG	2A	3329	1/1	0.88	0.10	55,55,55,55	0
56	MG	1A	3322	1/1	0.88	0.18	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4041	1/1	0.88	0.25	69,69,69,69	0
56	MG	2A	3681	1/1	0.88	0.15	63,63,63,63	0
56	MG	1a	1661	1/1	0.88	0.10	70,70,70,70	0
56	MG	2a	3161	1/1	0.88	0.20	58,58,58,58	0
56	MG	2A	3176	1/1	0.88	0.28	65,65,65,65	0
56	MG	2a	3177	1/1	0.88	0.22	71,71,71,71	0
56	MG	2A	3698	1/1	0.88	0.09	54,54,54,54	0
56	MG	2A	3180	1/1	0.88	0.20	56,56,56,56	0
56	MG	2A	3354	1/1	0.88	0.13	51,51,51,51	0
56	MG	1B	204	1/1	0.88	0.18	49,49,49,49	0
56	MG	2a	3199	1/1	0.88	0.17	59,59,59,59	0
56	MG	1A	3594	1/1	0.88	0.20	36,36,36,36	0
56	MG	1a	1669	1/1	0.88	0.12	50,50,50,50	0
56	MG	2A	3190	1/1	0.88	0.11	49,49,49,49	0
56	MG	1B	220	1/1	0.88	0.17	56,56,56,56	0
56	MG	2a	3210	1/1	0.88	0.19	58,58,58,58	0
56	MG	2a	3213	1/1	0.88	0.18	70,70,70,70	0
56	MG	2A	3774	1/1	0.88	0.20	73,73,73,73	0
56	MG	1A	3298	1/1	0.88	0.08	43,43,43,43	0
56	MG	2A	3013	1/1	0.88	0.24	44,44,44,44	0
56	MG	2A	3014	1/1	0.88	0.28	66,66,66,66	0
56	MG	1A	3647	1/1	0.88	0.18	44,44,44,44	0
56	MG	2A	3218	1/1	0.88	0.36	64,64,64,64	0
56	MG	2n	101	1/1	0.88	0.46	60,60,60,60	0
56	MG	1A	3026	1/1	0.88	0.26	61,61,61,61	0
56	MG	1E	307	1/1	0.88	0.11	38,38,38,38	0
56	MG	2A	3414	1/1	0.88	0.24	73,73,73,73	0
56	MG	2A	3224	1/1	0.88	0.20	53,53,53,53	0
56	MG	1a	1630	1/1	0.89	0.12	57,57,57,57	0
56	MG	1a	1631	1/1	0.89	0.12	57,57,57,57	0
56	MG	2A	3395	1/1	0.89	0.31	64,64,64,64	0
56	MG	2B	203	1/1	0.89	0.09	66,66,66,66	0
56	MG	2A	3403	1/1	0.89	0.20	57,57,57,57	0
56	MG	1h	201	1/1	0.89	0.12	55,55,55,55	0
56	MG	2A	3406	1/1	0.89	0.07	64,64,64,64	0
56	MG	2A	3192	1/1	0.89	0.15	48,48,48,48	0
56	MG	2A	3409	1/1	0.89	0.09	56,56,56,56	0
56	MG	1A	3160	1/1	0.89	0.11	53,53,53,53	0
56	MG	1a	1633	1/1	0.89	0.15	49,49,49,49	0
56	MG	1a	1636	1/1	0.89	0.12	49,49,49,49	0
56	MG	1A	3744	1/1	0.89	0.11	27,27,27,27	0
56	MG	1A	4007	1/1	0.89	0.10	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	23	101	1/1	0.89	0.20	37,37,37,37	0
56	MG	1A	3051	1/1	0.89	0.27	67,67,67,67	0
56	MG	2a	3002	1/1	0.89	0.17	74,74,74,74	0
56	MG	1x	113	1/1	0.89	0.20	63,63,63,63	0
56	MG	1A	3754	1/1	0.89	0.28	54,54,54,54	0
56	MG	2A	3447	1/1	0.89	0.08	44,44,44,44	0
56	MG	1A	3773	1/1	0.89	0.13	51,51,51,51	0
56	MG	2A	3001	1/1	0.89	0.20	43,43,43,43	0
56	MG	2A	3456	1/1	0.89	0.13	59,59,59,59	0
56	MG	1A	4027	1/1	0.89	0.16	56,56,56,56	0
56	MG	2A	3012	1/1	0.89	0.11	64,64,64,64	0
56	MG	2a	3015	1/1	0.89	0.21	65,65,65,65	0
56	MG	2A	3463	1/1	0.89	0.23	61,61,61,61	0
56	MG	2a	3017	1/1	0.89	0.10	53,53,53,53	0
56	MG	1A	3176	1/1	0.89	0.11	44,44,44,44	0
56	MG	2A	3238	1/1	0.89	0.13	68,68,68,68	0
56	MG	1A	3542	1/1	0.89	0.51	46,46,46,46	0
56	MG	2a	3025	1/1	0.89	0.11	63,63,63,63	0
56	MG	1A	3359	1/1	0.89	0.18	42,42,42,42	0
56	MG	2A	3476	1/1	0.89	0.10	55,55,55,55	0
56	MG	1A	3789	1/1	0.89	0.09	48,48,48,48	0
56	MG	1A	3431	1/1	0.89	0.18	66,66,66,66	0
56	MG	1A	3435	1/1	0.89	0.17	61,61,61,61	0
56	MG	1a	1675	1/1	0.89	0.07	41,41,41,41	0
56	MG	1A	3801	1/1	0.89	0.10	83,83,83,83	0
56	MG	2A	3524	1/1	0.89	0.15	61,61,61,61	0
56	MG	2A	3255	1/1	0.89	0.20	50,50,50,50	0
56	MG	1A	3088	1/1	0.89	0.08	55,55,55,55	0
56	MG	2A	3260	1/1	0.89	0.10	62,62,62,62	0
56	MG	2A	3055	1/1	0.89	0.17	59,59,59,59	0
56	MG	2A	3535	1/1	0.89	0.18	59,59,59,59	0
56	MG	2A	3542	1/1	0.89	0.14	69,69,69,69	0
56	MG	1A	3585	1/1	0.89	0.08	23,23,23,23	0
56	MG	1A	3591	1/1	0.89	0.09	29,29,29,29	0
56	MG	1D	310	1/1	0.89	0.13	36,36,36,36	0
56	MG	2A	3277	1/1	0.89	0.11	74,74,74,74	0
56	MG	2A	3279	1/1	0.89	0.14	54,54,54,54	0
56	MG	2A	3574	1/1	0.89	0.13	61,61,61,61	0
56	MG	1A	3819	1/1	0.89	0.11	52,52,52,52	0
56	MG	2A	3074	1/1	0.89	0.14	65,65,65,65	0
56	MG	1F	304	1/1	0.89	0.12	47,47,47,47	0
56	MG	1A	3308	1/1	0.89	0.09	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3106	1/1	0.89	0.13	63,63,63,63	0
56	MG	1A	3199	1/1	0.89	0.16	58,58,58,58	0
56	MG	1A	3448	1/1	0.89	0.18	44,44,44,44	0
56	MG	1A	3827	1/1	0.89	0.10	75,75,75,75	0
56	MG	1A	3231	1/1	0.89	0.09	42,42,42,42	0
56	MG	2A	3305	1/1	0.89	0.16	60,60,60,60	0
56	MG	1a	1712	1/1	0.89	0.25	64,64,64,64	0
56	MG	1a	1717	1/1	0.89	0.11	62,62,62,62	0
56	MG	1A	3116	1/1	0.89	0.10	43,43,43,43	0
56	MG	2A	3112	1/1	0.89	0.16	63,63,63,63	0
56	MG	2a	3127	1/1	0.89	0.08	71,71,71,71	0
56	MG	18	102	1/1	0.89	0.21	42,42,42,42	0
56	MG	2A	3118	1/1	0.89	0.19	58,58,58,58	0
56	MG	2a	3138	1/1	0.89	0.11	70,70,70,70	0
56	MG	1a	1723	1/1	0.89	0.14	50,50,50,50	0
56	MG	1A	3318	1/1	0.89	0.10	58,58,58,58	0
56	MG	1a	1601	1/1	0.89	0.08	65,65,65,65	0
56	MG	1A	3465	1/1	0.89	0.16	56,56,56,56	0
56	MG	2a	3167	1/1	0.89	0.12	54,54,54,54	0
56	MG	2a	3168	1/1	0.89	0.10	74,74,74,74	0
56	MG	1A	3860	1/1	0.89	0.12	37,37,37,37	0
56	MG	2a	3175	1/1	0.89	0.11	49,49,49,49	0
56	MG	1a	1742	1/1	0.89	0.29	52,52,52,52	0
56	MG	2a	3178	1/1	0.89	0.13	69,69,69,69	0
56	MG	2A	3331	1/1	0.89	0.21	43,43,43,43	0
56	MG	2A	3335	1/1	0.89	0.13	52,52,52,52	0
56	MG	2A	3337	1/1	0.89	0.12	56,56,56,56	0
56	MG	1A	3900	1/1	0.89	0.21	84,84,84,84	0
56	MG	2A	3144	1/1	0.89	0.17	48,48,48,48	0
56	MG	2A	3342	1/1	0.89	0.15	55,55,55,55	0
56	MG	1A	3903	1/1	0.89	0.18	76,76,76,76	0
56	MG	2A	3705	1/1	0.89	0.09	65,65,65,65	0
56	MG	2A	3348	1/1	0.89	0.18	57,57,57,57	0
56	MG	1A	3018	1/1	0.89	0.18	53,53,53,53	0
56	MG	1a	1755	1/1	0.89	0.12	55,55,55,55	0
56	MG	1A	3124	1/1	0.89	0.11	60,60,60,60	0
56	MG	1A	3040	1/1	0.89	0.10	37,37,37,37	0
56	MG	1A	3155	1/1	0.89	0.14	41,41,41,41	0
56	MG	1A	3027	1/1	0.89	0.20	69,69,69,69	0
56	MG	2d	301	1/1	0.89	0.24	59,59,59,59	0
56	MG	1A	3954	1/1	0.89	0.10	39,39,39,39	0
56	MG	1A	3335	1/1	0.89	0.07	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3177	1/1	0.89	0.11	46,46,46,46	0
56	MG	2t	201	1/1	0.89	0.24	53,53,53,53	0
56	MG	1a	1786	1/1	0.89	0.07	75,75,75,75	0
56	MG	2x	101	1/1	0.89	0.11	61,61,61,61	0
56	MG	1a	1819	1/1	0.89	0.26	56,56,56,56	0
56	MG	2A	3385	1/1	0.89	0.18	51,51,51,51	0
56	MG	2A	3387	1/1	0.89	0.10	49,49,49,49	0
56	MG	1A	3413	1/1	0.90	0.42	42,42,42,42	0
56	MG	1A	3276	1/1	0.90	0.10	51,51,51,51	0
56	MG	2A	3240	1/1	0.90	0.12	49,49,49,49	0
56	MG	2E	307	1/1	0.90	0.09	36,36,36,36	0
56	MG	16	101	1/1	0.90	0.24	44,44,44,44	0
56	MG	1A	3478	1/1	0.90	0.08	48,48,48,48	0
56	MG	2P	202	1/1	0.90	0.16	64,64,64,64	0
56	MG	2R	202	1/1	0.90	0.18	61,61,61,61	0
56	MG	1a	1697	1/1	0.90	0.12	67,67,67,67	0
56	MG	2W	202	1/1	0.90	0.06	47,47,47,47	0
56	MG	1A	3490	1/1	0.90	0.11	69,69,69,69	0
56	MG	1A	3872	1/1	0.90	0.07	50,50,50,50	0
56	MG	1A	3890	1/1	0.90	0.14	49,49,49,49	0
56	MG	2A	3253	1/1	0.90	0.09	49,49,49,49	0
56	MG	1A	3493	1/1	0.90	0.14	32,32,32,32	0
56	MG	1a	1714	1/1	0.90	0.08	54,54,54,54	0
56	MG	2A	3071	1/1	0.90	0.26	64,64,64,64	0
56	MG	2A	3072	1/1	0.90	0.21	51,51,51,51	0
56	MG	2A	3073	1/1	0.90	0.19	55,55,55,55	0
56	MG	1a	1715	1/1	0.90	0.12	55,55,55,55	0
56	MG	1A	3424	1/1	0.90	0.07	31,31,31,31	0
56	MG	2a	3011	1/1	0.90	0.14	60,60,60,60	0
56	MG	2A	3275	1/1	0.90	0.13	58,58,58,58	0
56	MG	2A	3483	1/1	0.90	0.28	56,56,56,56	0
56	MG	2A	3276	1/1	0.90	0.11	46,46,46,46	0
56	MG	2A	3500	1/1	0.90	0.16	54,54,54,54	0
56	MG	1A	3229	1/1	0.90	0.17	46,46,46,46	0
56	MG	1A	3513	1/1	0.90	0.13	38,38,38,38	0
56	MG	1A	3057	1/1	0.90	0.25	59,59,59,59	0
56	MG	1a	1615	1/1	0.90	0.13	48,48,48,48	0
56	MG	2a	3023	1/1	0.90	0.20	55,55,55,55	0
56	MG	1A	3430	1/1	0.90	0.17	59,59,59,59	0
56	MG	1A	3942	1/1	0.90	0.08	53,53,53,53	0
56	MG	2a	3027	1/1	0.90	0.27	52,52,52,52	0
56	MG	2A	3293	1/1	0.90	0.09	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1621	1/1	0.90	0.11	53,53,53,53	0
56	MG	1a	1737	1/1	0.90	0.15	56,56,56,56	0
56	MG	1a	1741	1/1	0.90	0.24	54,54,54,54	0
56	MG	2a	3040	1/1	0.90	0.10	65,65,65,65	0
56	MG	1A	3945	1/1	0.90	0.09	35,35,35,35	0
56	MG	2a	3048	1/1	0.90	0.22	74,74,74,74	0
56	MG	1a	1746	1/1	0.90	0.23	44,44,44,44	0
56	MG	1A	3022	1/1	0.90	0.12	35,35,35,35	0
56	MG	2a	3058	1/1	0.90	0.18	76,76,76,76	0
56	MG	1A	3525	1/1	0.90	0.26	42,42,42,42	0
56	MG	2A	3126	1/1	0.90	0.13	56,56,56,56	0
56	MG	1A	3326	1/1	0.90	0.07	50,50,50,50	0
56	MG	2A	3577	1/1	0.90	0.13	70,70,70,70	0
56	MG	1a	1752	1/1	0.90	0.09	65,65,65,65	0
56	MG	2A	3314	1/1	0.90	0.09	52,52,52,52	0
56	MG	2A	3585	1/1	0.90	0.12	60,60,60,60	0
56	MG	1A	3756	1/1	0.90	0.13	39,39,39,39	0
56	MG	2A	3587	1/1	0.90	0.13	36,36,36,36	0
56	MG	2a	3083	1/1	0.90	0.08	57,57,57,57	0
56	MG	1A	3766	1/1	0.90	0.08	48,48,48,48	0
56	MG	1A	3769	1/1	0.90	0.12	47,47,47,47	0
56	MG	1A	3540	1/1	0.90	0.13	42,42,42,42	0
56	MG	2a	3093	1/1	0.90	0.17	53,53,53,53	0
56	MG	2A	3322	1/1	0.90	0.14	51,51,51,51	0
56	MG	1a	1767	1/1	0.90	0.13	54,54,54,54	0
56	MG	1a	1770	1/1	0.90	0.09	55,55,55,55	0
56	MG	2A	3152	1/1	0.90	0.12	47,47,47,47	0
56	MG	2A	3330	1/1	0.90	0.11	71,71,71,71	0
56	MG	2A	3154	1/1	0.90	0.07	68,68,68,68	0
56	MG	2A	3334	1/1	0.90	0.11	50,50,50,50	0
56	MG	2a	3111	1/1	0.90	0.19	89,89,89,89	0
56	MG	1A	3133	1/1	0.90	0.11	46,46,46,46	0
56	MG	1A	3444	1/1	0.90	0.09	53,53,53,53	0
56	MG	1A	3549	1/1	0.90	0.40	46,46,46,46	0
56	MG	1a	1643	1/1	0.90	0.09	71,71,71,71	0
56	MG	1A	3551	1/1	0.90	0.07	59,59,59,59	0
56	MG	2A	3653	1/1	0.90	0.10	56,56,56,56	0
56	MG	2A	3658	1/1	0.90	0.13	54,54,54,54	0
56	MG	2A	3660	1/1	0.90	0.10	55,55,55,55	0
56	MG	1A	3560	1/1	0.90	0.14	47,47,47,47	0
56	MG	2A	3346	1/1	0.90	0.26	50,50,50,50	0
56	MG	1A	3009	1/1	0.90	0.18	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3118	1/1	0.90	0.20	48,48,48,48	0
56	MG	1a	1656	1/1	0.90	0.23	55,55,55,55	0
56	MG	1v	101	1/1	0.90	0.22	68,68,68,68	0
56	MG	1A	3344	1/1	0.90	0.08	40,40,40,40	0
56	MG	2a	3164	1/1	0.90	0.09	70,70,70,70	0
56	MG	2A	3692	1/1	0.90	0.15	62,62,62,62	0
56	MG	1a	1660	1/1	0.90	0.13	63,63,63,63	0
56	MG	2a	3170	1/1	0.90	0.23	60,60,60,60	0
56	MG	1A	3398	1/1	0.90	0.12	56,56,56,56	0
56	MG	1A	3156	1/1	0.90	0.19	61,61,61,61	0
56	MG	2A	3364	1/1	0.90	0.17	80,80,80,80	0
56	MG	2A	3707	1/1	0.90	0.06	63,63,63,63	0
56	MG	1A	3818	1/1	0.90	0.15	41,41,41,41	0
56	MG	1A	3461	1/1	0.90	0.14	54,54,54,54	0
56	MG	2a	3186	1/1	0.90	0.10	52,52,52,52	0
56	MG	2A	3716	1/1	0.90	0.10	68,68,68,68	0
56	MG	2a	3194	1/1	0.90	0.15	71,71,71,71	0
56	MG	2a	3197	1/1	0.90	0.10	58,58,58,58	0
56	MG	2A	3373	1/1	0.90	0.23	41,41,41,41	0
56	MG	2A	3719	1/1	0.90	0.12	74,74,74,74	0
56	MG	1A	3272	1/1	0.90	0.07	42,42,42,42	0
56	MG	2A	3200	1/1	0.90	0.12	47,47,47,47	0
56	MG	2A	3738	1/1	0.90	0.09	47,47,47,47	0
56	MG	1A	3217	1/1	0.90	0.07	68,68,68,68	0
56	MG	1A	3638	1/1	0.90	0.14	32,32,32,32	0
56	MG	2a	3212	1/1	0.90	0.09	67,67,67,67	0
56	MG	2A	3215	1/1	0.90	0.10	54,54,54,54	0
56	MG	1A	3644	1/1	0.90	0.23	55,55,55,55	0
56	MG	2A	3219	1/1	0.90	0.08	57,57,57,57	0
56	MG	2A	3397	1/1	0.90	0.13	39,39,39,39	0
56	MG	2A	3010	1/1	0.90	0.06	56,56,56,56	0
56	MG	1A	3360	1/1	0.90	0.14	53,53,53,53	0
56	MG	1a	1684	1/1	0.90	0.12	40,40,40,40	0
56	MG	1a	1687	1/1	0.90	0.06	49,49,49,49	0
56	MG	2A	3799	1/1	0.90	0.22	52,52,52,52	0
56	MG	2A	3408	1/1	0.90	0.26	44,44,44,44	0
56	MG	1A	3829	1/1	0.90	0.10	34,34,34,34	0
56	MG	2A	3021	1/1	0.90	0.14	54,54,54,54	0
56	MG	2A	3231	1/1	0.90	0.08	56,56,56,56	0
56	MG	1A	3840	1/1	0.90	0.09	69,69,69,69	0
56	MG	2B	206	1/1	0.90	0.28	57,57,57,57	0
56	MG	1A	3391	1/1	0.91	0.15	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3795	1/1	0.91	0.10	44,44,44,44	0
56	MG	2A	3383	1/1	0.91	0.10	53,53,53,53	0
56	MG	1A	3824	1/1	0.91	0.21	46,46,46,46	0
56	MG	2A	3802	1/1	0.91	0.21	60,60,60,60	0
56	MG	1A	3602	1/1	0.91	0.14	37,37,37,37	0
56	MG	1A	3607	1/1	0.91	0.10	42,42,42,42	0
56	MG	1A	3624	1/1	0.91	0.13	30,30,30,30	0
56	MG	1A	3632	1/1	0.91	0.13	51,51,51,51	0
56	MG	1A	3392	1/1	0.91	0.25	58,58,58,58	0
56	MG	1A	3835	1/1	0.91	0.13	28,28,28,28	0
56	MG	1a	1605	1/1	0.91	0.20	53,53,53,53	0
56	MG	2A	3405	1/1	0.91	0.18	43,43,43,43	0
56	MG	2B	215	1/1	0.91	0.15	71,71,71,71	0
56	MG	1A	3242	1/1	0.91	0.17	58,58,58,58	0
56	MG	2A	3188	1/1	0.91	0.13	50,50,50,50	0
56	MG	1a	1607	1/1	0.91	0.20	64,64,64,64	0
56	MG	1A	3046	1/1	0.91	0.08	50,50,50,50	0
56	MG	1a	1609	1/1	0.91	0.15	59,59,59,59	0
56	MG	2Q	201	1/1	0.91	0.25	56,56,56,56	0
56	MG	2A	3194	1/1	0.91	0.13	63,63,63,63	0
56	MG	1A	3475	1/1	0.91	0.21	54,54,54,54	0
56	MG	2T	204	1/1	0.91	0.09	47,47,47,47	0
56	MG	1a	1614	1/1	0.91	0.06	72,72,72,72	0
56	MG	2X	101	1/1	0.91	0.15	53,53,53,53	0
56	MG	2Y	201	1/1	0.91	0.21	49,49,49,49	0
56	MG	1A	3162	1/1	0.91	0.18	52,52,52,52	0
56	MG	1a	1792	1/1	0.91	0.06	53,53,53,53	0
56	MG	1A	3049	1/1	0.91	0.25	39,39,39,39	0
56	MG	25	104	1/1	0.91	0.21	61,61,61,61	0
56	MG	28	101	1/1	0.91	0.13	47,47,47,47	0
56	MG	2A	3444	1/1	0.91	0.31	54,54,54,54	0
56	MG	1A	3862	1/1	0.91	0.21	32,32,32,32	0
56	MG	1A	3171	1/1	0.91	0.10	67,67,67,67	0
56	MG	2A	3449	1/1	0.91	0.24	67,67,67,67	0
56	MG	1A	3880	1/1	0.91	0.14	56,56,56,56	0
56	MG	2A	3454	1/1	0.91	0.20	53,53,53,53	0
56	MG	1A	3666	1/1	0.91	0.09	53,53,53,53	0
56	MG	1A	3406	1/1	0.91	0.11	55,55,55,55	0
56	MG	1x	102	1/1	0.91	0.10	62,62,62,62	0
56	MG	2a	3012	1/1	0.91	0.19	47,47,47,47	0
56	MG	1A	3697	1/1	0.91	0.08	42,42,42,42	0
56	MG	1a	1628	1/1	0.91	0.21	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3703	1/1	0.91	0.09	54,54,54,54	0
56	MG	1A	3704	1/1	0.91	0.21	41,41,41,41	0
56	MG	2A	3236	1/1	0.91	0.26	52,52,52,52	0
56	MG	2A	3473	1/1	0.91	0.11	58,58,58,58	0
56	MG	1A	3923	1/1	0.91	0.10	72,72,72,72	0
56	MG	1A	3710	1/1	0.91	0.07	46,46,46,46	0
56	MG	2A	3479	1/1	0.91	0.16	40,40,40,40	0
56	MG	1a	1634	1/1	0.91	0.14	46,46,46,46	0
56	MG	1A	3932	1/1	0.91	0.10	50,50,50,50	0
56	MG	2A	3486	1/1	0.91	0.12	49,49,49,49	0
56	MG	2A	3493	1/1	0.91	0.24	57,57,57,57	0
56	MG	1A	3506	1/1	0.91	0.14	38,38,38,38	0
56	MG	2A	3004	1/1	0.91	0.27	51,51,51,51	0
56	MG	2A	3243	1/1	0.91	0.11	60,60,60,60	0
56	MG	1A	3939	1/1	0.91	0.15	64,64,64,64	0
56	MG	2A	3246	1/1	0.91	0.07	44,44,44,44	0
56	MG	2a	3047	1/1	0.91	0.07	55,55,55,55	0
56	MG	2A	3006	1/1	0.91	0.21	53,53,53,53	0
56	MG	2a	3053	1/1	0.91	0.10	54,54,54,54	0
56	MG	1A	3059	1/1	0.91	0.15	55,55,55,55	0
56	MG	1A	3063	1/1	0.91	0.11	60,60,60,60	0
56	MG	1A	3337	1/1	0.91	0.07	46,46,46,46	0
56	MG	2a	3061	1/1	0.91	0.15	63,63,63,63	0
56	MG	1A	3274	1/1	0.91	0.16	39,39,39,39	0
56	MG	1A	3425	1/1	0.91	0.31	73,73,73,73	0
56	MG	2a	3071	1/1	0.91	0.10	59,59,59,59	0
56	MG	2A	3537	1/1	0.91	0.09	52,52,52,52	0
56	MG	2A	3259	1/1	0.91	0.10	54,54,54,54	0
56	MG	1A	3189	1/1	0.91	0.10	31,31,31,31	0
56	MG	1A	3987	1/1	0.91	0.11	49,49,49,49	0
56	MG	1A	3190	1/1	0.91	0.08	32,32,32,32	0
56	MG	2A	3267	1/1	0.91	0.24	58,58,58,58	0
56	MG	2A	3029	1/1	0.91	0.16	54,54,54,54	0
56	MG	1A	3293	1/1	0.91	0.12	35,35,35,35	0
56	MG	2A	3272	1/1	0.91	0.07	46,46,46,46	0
56	MG	1A	3763	1/1	0.91	0.13	48,48,48,48	0
56	MG	1a	1664	1/1	0.91	0.17	72,72,72,72	0
56	MG	2A	3582	1/1	0.91	0.13	66,66,66,66	0
56	MG	2A	3044	1/1	0.91	0.08	55,55,55,55	0
56	MG	2A	3051	1/1	0.91	0.16	56,56,56,56	0
56	MG	2a	3098	1/1	0.91	0.09	70,70,70,70	0
56	MG	1A	3294	1/1	0.91	0.33	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3101	1/1	0.91	0.15	62,62,62,62	0
56	MG	1A	3198	1/1	0.91	0.23	47,47,47,47	0
56	MG	1a	1672	1/1	0.91	0.16	56,56,56,56	0
56	MG	1A	3770	1/1	0.91	0.17	63,63,63,63	0
56	MG	2A	3599	1/1	0.91	0.10	38,38,38,38	0
56	MG	2A	3600	1/1	0.91	0.14	53,53,53,53	0
56	MG	2a	3113	1/1	0.91	0.10	43,43,43,43	0
56	MG	2A	3602	1/1	0.91	0.12	64,64,64,64	0
56	MG	2A	3062	1/1	0.91	0.36	71,71,71,71	0
56	MG	1A	3300	1/1	0.91	0.08	27,27,27,27	0
56	MG	2a	3117	1/1	0.91	0.11	53,53,53,53	0
56	MG	2a	3118	1/1	0.91	0.08	48,48,48,48	0
56	MG	2A	3064	1/1	0.91	0.16	49,49,49,49	0
56	MG	2A	3065	1/1	0.91	0.10	58,58,58,58	0
56	MG	2a	3121	1/1	0.91	0.19	63,63,63,63	0
56	MG	2a	3122	1/1	0.91	0.12	63,63,63,63	0
56	MG	2A	3066	1/1	0.91	0.20	67,67,67,67	0
56	MG	1A	3440	1/1	0.91	0.10	48,48,48,48	0
56	MG	1A	4030	1/1	0.91	0.13	62,62,62,62	0
56	MG	1A	3776	1/1	0.91	0.10	46,46,46,46	0
56	MG	2a	3131	1/1	0.91	0.06	73,73,73,73	0
56	MG	1a	1683	1/1	0.91	0.18	61,61,61,61	0
56	MG	2a	3137	1/1	0.91	0.09	66,66,66,66	0
56	MG	2A	3642	1/1	0.91	0.13	62,62,62,62	0
56	MG	2a	3142	1/1	0.91	0.09	63,63,63,63	0
56	MG	1A	4037	1/1	0.91	0.24	55,55,55,55	0
56	MG	1A	4039	1/1	0.91	0.20	76,76,76,76	0
56	MG	1A	3780	1/1	0.91	0.08	72,72,72,72	0
56	MG	1A	3371	1/1	0.91	0.52	59,59,59,59	0
56	MG	2a	3162	1/1	0.91	0.16	53,53,53,53	0
56	MG	2A	3088	1/1	0.91	0.18	49,49,49,49	0
56	MG	1A	3143	1/1	0.91	0.16	47,47,47,47	0
56	MG	1A	3210	1/1	0.91	0.17	52,52,52,52	0
56	MG	1B	221	1/1	0.91	0.08	66,66,66,66	0
56	MG	2A	3098	1/1	0.91	0.17	55,55,55,55	0
56	MG	2A	3326	1/1	0.91	0.13	66,66,66,66	0
56	MG	1B	225	1/1	0.91	0.09	62,62,62,62	0
56	MG	2A	3100	1/1	0.91	0.31	56,56,56,56	0
56	MG	2a	3179	1/1	0.91	0.25	70,70,70,70	0
56	MG	2a	3183	1/1	0.91	0.10	58,58,58,58	0
56	MG	2A	3683	1/1	0.91	0.11	44,44,44,44	0
56	MG	2A	3688	1/1	0.91	0.09	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3575	1/1	0.91	0.14	57,57,57,57	0
56	MG	2a	3190	1/1	0.91	0.32	61,61,61,61	0
56	MG	1A	3092	1/1	0.91	0.09	49,49,49,49	0
56	MG	1A	3800	1/1	0.91	0.13	57,57,57,57	0
56	MG	2a	3196	1/1	0.91	0.12	64,64,64,64	0
56	MG	1a	1707	1/1	0.91	0.29	61,61,61,61	0
56	MG	2A	3116	1/1	0.91	0.30	68,68,68,68	0
56	MG	1A	3093	1/1	0.91	0.19	50,50,50,50	0
56	MG	2A	3706	1/1	0.91	0.09	65,65,65,65	0
56	MG	2a	3201	1/1	0.91	0.24	49,49,49,49	0
56	MG	1a	1711	1/1	0.91	0.07	69,69,69,69	0
56	MG	2a	3204	1/1	0.91	0.16	58,58,58,58	0
56	MG	2a	3206	1/1	0.91	0.06	63,63,63,63	0
56	MG	1A	3586	1/1	0.91	0.13	65,65,65,65	0
56	MG	2A	3714	1/1	0.91	0.08	55,55,55,55	0
56	MG	1A	3587	1/1	0.91	0.07	49,49,49,49	0
56	MG	1G	202	1/1	0.91	0.12	49,49,49,49	0
56	MG	1G	203	1/1	0.91	0.06	51,51,51,51	0
56	MG	1A	3813	1/1	0.91	0.09	48,48,48,48	0
56	MG	1N	202	1/1	0.91	0.15	46,46,46,46	0
56	MG	2A	3141	1/1	0.91	0.20	64,64,64,64	0
56	MG	1T	201	1/1	0.91	0.14	59,59,59,59	0
56	MG	2A	3753	1/1	0.91	0.20	69,69,69,69	0
56	MG	2f	201	1/1	0.91	0.15	49,49,49,49	0
56	MG	2A	3754	1/1	0.91	0.14	63,63,63,63	0
56	MG	1a	1726	1/1	0.91	0.23	54,54,54,54	0
56	MG	1T	203	1/1	0.91	0.15	56,56,56,56	0
56	MG	2r	101	1/1	0.91	0.18	62,62,62,62	0
56	MG	2A	3147	1/1	0.91	0.17	65,65,65,65	0
56	MG	1A	3101	1/1	0.91	0.07	37,37,37,37	0
56	MG	1U	209	1/1	0.91	0.15	47,47,47,47	0
56	MG	1A	3236	1/1	0.91	0.07	57,57,57,57	0
56	MG	1A	3065	1/1	0.91	0.10	53,53,53,53	0
56	MG	10	105	1/1	0.91	0.24	52,52,52,52	0
56	MG	2A	3801	1/1	0.92	0.17	59,59,59,59	0
56	MG	1A	3875	1/1	0.92	0.10	57,57,57,57	0
56	MG	2A	3382	1/1	0.92	0.18	41,41,41,41	0
56	MG	1A	3499	1/1	0.92	0.27	51,51,51,51	0
56	MG	1A	3332	1/1	0.92	0.08	45,45,45,45	0
56	MG	1A	3896	1/1	0.92	0.06	89,89,89,89	0
56	MG	2A	3157	1/1	0.92	0.09	42,42,42,42	0
56	MG	1A	3898	1/1	0.92	0.07	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2B	207	1/1	0.92	0.08	55,55,55,55	0
56	MG	2B	210	1/1	0.92	0.25	42,42,42,42	0
56	MG	1A	3407	1/1	0.92	0.21	56,56,56,56	0
56	MG	1A	3408	1/1	0.92	0.19	54,54,54,54	0
56	MG	2A	3401	1/1	0.92	0.17	49,49,49,49	0
56	MG	1a	1765	1/1	0.92	0.14	53,53,53,53	0
56	MG	1A	3064	1/1	0.92	0.13	43,43,43,43	0
56	MG	1A	3909	1/1	0.92	0.14	55,55,55,55	0
56	MG	1A	3410	1/1	0.92	0.06	29,29,29,29	0
56	MG	2O	202	1/1	0.92	0.12	50,50,50,50	0
56	MG	2A	3178	1/1	0.92	0.16	52,52,52,52	0
56	MG	2A	3179	1/1	0.92	0.19	63,63,63,63	0
56	MG	2Q	202	1/1	0.92	0.21	34,34,34,34	0
56	MG	2R	201	1/1	0.92	0.14	48,48,48,48	0
56	MG	1a	1771	1/1	0.92	0.07	70,70,70,70	0
56	MG	2A	3413	1/1	0.92	0.24	45,45,45,45	0
56	MG	1A	3412	1/1	0.92	0.13	56,56,56,56	0
56	MG	2U	202	1/1	0.92	0.06	44,44,44,44	0
56	MG	2V	201	1/1	0.92	0.04	69,69,69,69	0
56	MG	1a	1775	1/1	0.92	0.10	56,56,56,56	0
56	MG	1A	3288	1/1	0.92	0.09	37,37,37,37	0
56	MG	2A	3423	1/1	0.92	0.05	70,70,70,70	0
56	MG	2A	3424	1/1	0.92	0.19	39,39,39,39	0
56	MG	1a	1778	1/1	0.92	0.07	69,69,69,69	0
56	MG	1a	1779	1/1	0.92	0.19	59,59,59,59	0
56	MG	2A	3431	1/1	0.92	0.16	51,51,51,51	0
56	MG	2A	3434	1/1	0.92	0.20	54,54,54,54	0
56	MG	1A	3532	1/1	0.92	0.18	42,42,42,42	0
56	MG	1a	1784	1/1	0.92	0.12	55,55,55,55	0
56	MG	1a	1620	1/1	0.92	0.17	65,65,65,65	0
56	MG	1a	1788	1/1	0.92	0.20	60,60,60,60	0
56	MG	1a	1790	1/1	0.92	0.08	51,51,51,51	0
56	MG	2A	3448	1/1	0.92	0.24	54,54,54,54	0
56	MG	2A	3199	1/1	0.92	0.14	52,52,52,52	0
56	MG	2a	3009	1/1	0.92	0.07	74,74,74,74	0
56	MG	1A	3751	1/1	0.92	0.06	34,34,34,34	0
56	MG	1a	1812	1/1	0.92	0.14	62,62,62,62	0
56	MG	1A	3938	1/1	0.92	0.14	52,52,52,52	0
56	MG	2A	3210	1/1	0.92	0.21	48,48,48,48	0
56	MG	2A	3211	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	3070	1/1	0.92	0.19	43,43,43,43	0
56	MG	1A	3090	1/1	0.92	0.13	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1f	202	1/1	0.92	0.15	60,60,60,60	0
56	MG	2a	3018	1/1	0.92	0.12	52,52,52,52	0
56	MG	2A	3465	1/1	0.92	0.28	58,58,58,58	0
56	MG	1A	3761	1/1	0.92	0.15	60,60,60,60	0
56	MG	1m	201	1/1	0.92	0.09	46,46,46,46	0
56	MG	1A	3349	1/1	0.92	0.23	56,56,56,56	0
56	MG	1A	3226	1/1	0.92	0.24	41,41,41,41	0
56	MG	1A	3427	1/1	0.92	0.24	56,56,56,56	0
56	MG	1A	3978	1/1	0.92	0.12	77,77,77,77	0
56	MG	2a	3029	1/1	0.92	0.07	73,73,73,73	0
56	MG	1x	106	1/1	0.92	0.09	72,72,72,72	0
56	MG	1A	3091	1/1	0.92	0.10	60,60,60,60	0
56	MG	1A	3356	1/1	0.92	0.09	51,51,51,51	0
56	MG	1A	3301	1/1	0.92	0.29	48,48,48,48	0
56	MG	2a	3039	1/1	0.92	0.22	47,47,47,47	0
56	MG	1A	3566	1/1	0.92	0.14	28,28,28,28	0
56	MG	1A	3126	1/1	0.92	0.09	44,44,44,44	0
56	MG	2A	3507	1/1	0.92	0.19	44,44,44,44	0
56	MG	2A	3509	1/1	0.92	0.10	46,46,46,46	0
56	MG	1a	1641	1/1	0.92	0.23	49,49,49,49	0
56	MG	1A	4016	1/1	0.92	0.09	40,40,40,40	0
56	MG	1A	4022	1/1	0.92	0.30	42,42,42,42	0
56	MG	2A	3517	1/1	0.92	0.12	73,73,73,73	0
56	MG	2a	3059	1/1	0.92	0.12	40,40,40,40	0
56	MG	1A	3781	1/1	0.92	0.32	61,61,61,61	0
56	MG	1a	1650	1/1	0.92	0.19	55,55,55,55	0
56	MG	1A	3172	1/1	0.92	0.09	48,48,48,48	0
56	MG	2a	3068	1/1	0.92	0.07	60,60,60,60	0
56	MG	2A	3248	1/1	0.92	0.14	53,53,53,53	0
56	MG	1A	3578	1/1	0.92	0.12	37,37,37,37	0
56	MG	1A	3306	1/1	0.92	0.24	55,55,55,55	0
56	MG	2A	3252	1/1	0.92	0.06	54,54,54,54	0
56	MG	1a	1658	1/1	0.92	0.15	52,52,52,52	0
56	MG	2A	3550	1/1	0.92	0.12	62,62,62,62	0
56	MG	1A	3175	1/1	0.92	0.31	55,55,55,55	0
56	MG	2A	3556	1/1	0.92	0.07	51,51,51,51	0
56	MG	2A	3017	1/1	0.92	0.15	46,46,46,46	0
56	MG	1A	3378	1/1	0.92	0.17	50,50,50,50	0
56	MG	1A	3309	1/1	0.92	0.13	59,59,59,59	0
56	MG	2A	3022	1/1	0.92	0.19	56,56,56,56	0
56	MG	1a	1662	1/1	0.92	0.11	67,67,67,67	0
56	MG	1A	3071	1/1	0.92	0.14	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3578	1/1	0.92	0.09	41,41,41,41	0
56	MG	1A	3802	1/1	0.92	0.09	33,33,33,33	0
56	MG	2A	3033	1/1	0.92	0.07	35,35,35,35	0
56	MG	2A	3581	1/1	0.92	0.20	54,54,54,54	0
56	MG	1A	3451	1/1	0.92	0.18	27,27,27,27	0
56	MG	1a	1668	1/1	0.92	0.18	70,70,70,70	0
56	MG	2a	3107	1/1	0.92	0.25	61,61,61,61	0
56	MG	1A	3181	1/1	0.92	0.28	48,48,48,48	0
56	MG	1B	214	1/1	0.92	0.06	52,52,52,52	0
56	MG	2A	3046	1/1	0.92	0.09	73,73,73,73	0
56	MG	1A	3074	1/1	0.92	0.23	42,42,42,42	0
56	MG	1A	3460	1/1	0.92	0.15	44,44,44,44	0
56	MG	2A	3053	1/1	0.92	0.07	57,57,57,57	0
56	MG	2A	3287	1/1	0.92	0.08	51,51,51,51	0
56	MG	1A	3188	1/1	0.92	0.06	48,48,48,48	0
56	MG	2A	3291	1/1	0.92	0.35	44,44,44,44	0
56	MG	2A	3610	1/1	0.92	0.19	48,48,48,48	0
56	MG	2A	3292	1/1	0.92	0.12	66,66,66,66	0
56	MG	1a	1678	1/1	0.92	0.25	60,60,60,60	0
56	MG	2A	3619	1/1	0.92	0.25	45,45,45,45	0
56	MG	2A	3622	1/1	0.92	0.14	56,56,56,56	0
56	MG	1A	3098	1/1	0.92	0.15	46,46,46,46	0
56	MG	1a	1681	1/1	0.92	0.23	62,62,62,62	0
56	MG	2A	3630	1/1	0.92	0.18	52,52,52,52	0
56	MG	1A	3269	1/1	0.92	0.41	54,54,54,54	0
56	MG	1A	3035	1/1	0.92	0.07	42,42,42,42	0
56	MG	2a	3134	1/1	0.92	0.09	77,77,77,77	0
56	MG	2a	3135	1/1	0.92	0.09	67,67,67,67	0
56	MG	1A	3191	1/1	0.92	0.05	46,46,46,46	0
56	MG	2A	3306	1/1	0.92	0.26	46,46,46,46	0
56	MG	1a	1686	1/1	0.92	0.21	50,50,50,50	0
56	MG	1D	305	1/1	0.92	0.14	44,44,44,44	0
56	MG	1A	3324	1/1	0.92	0.15	40,40,40,40	0
56	MG	1E	305	1/1	0.92	0.28	39,39,39,39	0
56	MG	2A	3312	1/1	0.92	0.10	50,50,50,50	0
56	MG	1A	3658	1/1	0.92	0.10	43,43,43,43	0
56	MG	1A	3473	1/1	0.92	0.12	47,47,47,47	0
56	MG	1A	3399	1/1	0.92	0.10	42,42,42,42	0
56	MG	2A	3318	1/1	0.92	0.08	53,53,53,53	0
56	MG	2A	3673	1/1	0.92	0.08	59,59,59,59	0
56	MG	1A	3197	1/1	0.92	0.14	47,47,47,47	0
56	MG	2A	3083	1/1	0.92	0.13	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3839	1/1	0.92	0.11	34,34,34,34	0
56	MG	1a	1698	1/1	0.92	0.11	43,43,43,43	0
56	MG	1N	201	1/1	0.92	0.34	52,52,52,52	0
56	MG	2a	3181	1/1	0.92	0.12	64,64,64,64	0
56	MG	2A	3325	1/1	0.92	0.07	48,48,48,48	0
56	MG	1A	3487	1/1	0.92	0.11	52,52,52,52	0
56	MG	1Q	201	1/1	0.92	0.17	44,44,44,44	0
56	MG	2A	3694	1/1	0.92	0.11	46,46,46,46	0
56	MG	1A	3402	1/1	0.92	0.09	47,47,47,47	0
56	MG	1a	1709	1/1	0.92	0.08	56,56,56,56	0
56	MG	1a	1710	1/1	0.92	0.21	58,58,58,58	0
56	MG	2A	3704	1/1	0.92	0.14	57,57,57,57	0
56	MG	2A	3333	1/1	0.92	0.05	37,37,37,37	0
56	MG	1A	3673	1/1	0.92	0.13	50,50,50,50	0
56	MG	2A	3110	1/1	0.92	0.14	40,40,40,40	0
56	MG	1A	3851	1/1	0.92	0.09	48,48,48,48	0
56	MG	1A	3853	1/1	0.92	0.17	47,47,47,47	0
56	MG	1V	206	1/1	0.92	0.07	47,47,47,47	0
56	MG	1A	3854	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3343	1/1	0.92	0.09	54,54,54,54	0
56	MG	1A	3856	1/1	0.92	0.12	33,33,33,33	0
56	MG	1A	3674	1/1	0.92	0.07	64,64,64,64	0
56	MG	1a	1721	1/1	0.92	0.15	66,66,66,66	0
56	MG	13	102	1/1	0.92	0.09	41,41,41,41	0
56	MG	13	103	1/1	0.92	0.22	57,57,57,57	0
56	MG	1A	3491	1/1	0.92	0.09	44,44,44,44	0
56	MG	2A	3769	1/1	0.92	0.11	61,61,61,61	0
56	MG	15	102	1/1	0.92	0.27	47,47,47,47	0
56	MG	2A	3137	1/1	0.92	0.14	49,49,49,49	0
56	MG	15	105	1/1	0.92	0.13	48,48,48,48	0
56	MG	1A	3115	1/1	0.92	0.09	41,41,41,41	0
56	MG	2A	3779	1/1	0.92	0.18	50,50,50,50	0
56	MG	17	105	1/1	0.92	0.15	42,42,42,42	0
56	MG	1A	3863	1/1	0.92	0.21	57,57,57,57	0
56	MG	2A	3369	1/1	0.92	0.18	63,63,63,63	0
56	MG	2A	3789	1/1	0.92	0.14	52,52,52,52	0
56	MG	1A	3331	1/1	0.92	0.44	45,45,45,45	0
56	MG	1A	3873	1/1	0.92	0.11	31,31,31,31	0
56	MG	2A	3375	1/1	0.92	0.19	37,37,37,37	0
56	MG	2A	3149	1/1	0.92	0.17	52,52,52,52	0
56	MG	2A	3379	1/1	0.92	0.15	45,45,45,45	0
56	MG	1A	3743	1/1	0.93	0.09	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1X	101	1/1	0.93	0.31	43,43,43,43	0
56	MG	1X	102	1/1	0.93	0.17	49,49,49,49	0
56	MG	2A	3472	1/1	0.93	0.18	62,62,62,62	0
56	MG	2A	3054	1/1	0.93	0.21	55,55,55,55	0
56	MG	2A	3474	1/1	0.93	0.14	66,66,66,66	0
56	MG	1a	1705	1/1	0.93	0.14	45,45,45,45	0
56	MG	1A	3879	1/1	0.93	0.08	36,36,36,36	0
56	MG	2T	202	1/1	0.93	0.23	62,62,62,62	0
56	MG	2T	203	1/1	0.93	0.08	34,34,34,34	0
56	MG	1A	3336	1/1	0.93	0.16	56,56,56,56	0
56	MG	1A	3554	1/1	0.93	0.08	51,51,51,51	0
56	MG	10	106	1/1	0.93	0.20	63,63,63,63	0
56	MG	2A	3485	1/1	0.93	0.08	45,45,45,45	0
56	MG	13	101	1/1	0.93	0.16	43,43,43,43	0
56	MG	1A	3453	1/1	0.93	0.08	47,47,47,47	0
56	MG	1A	3152	1/1	0.93	0.09	42,42,42,42	0
56	MG	1A	3899	1/1	0.93	0.08	50,50,50,50	0
56	MG	2A	3070	1/1	0.93	0.25	38,38,38,38	0
56	MG	25	101	1/1	0.93	0.22	53,53,53,53	0
56	MG	1A	3755	1/1	0.93	0.10	58,58,58,58	0
56	MG	27	101	1/1	0.93	0.07	42,42,42,42	0
56	MG	1a	1716	1/1	0.93	0.14	56,56,56,56	0
56	MG	1A	3053	1/1	0.93	0.10	34,34,34,34	0
56	MG	2A	3280	1/1	0.93	0.27	43,43,43,43	0
56	MG	1A	3569	1/1	0.93	0.11	53,53,53,53	0
56	MG	1A	3241	1/1	0.93	0.07	39,39,39,39	0
56	MG	2A	3525	1/1	0.93	0.12	49,49,49,49	0
56	MG	1A	3571	1/1	0.93	0.12	33,33,33,33	0
56	MG	2A	3527	1/1	0.93	0.08	55,55,55,55	0
56	MG	1a	1722	1/1	0.93	0.25	51,51,51,51	0
56	MG	1A	3078	1/1	0.93	0.28	47,47,47,47	0
56	MG	2A	3087	1/1	0.93	0.10	54,54,54,54	0
56	MG	2A	3534	1/1	0.93	0.11	38,38,38,38	0
56	MG	1a	1724	1/1	0.93	0.27	47,47,47,47	0
56	MG	1A	3463	1/1	0.93	0.12	56,56,56,56	0
56	MG	1A	3927	1/1	0.93	0.18	65,65,65,65	0
56	MG	2A	3544	1/1	0.93	0.11	42,42,42,42	0
56	MG	2A	3093	1/1	0.93	0.19	63,63,63,63	0
56	MG	1A	3772	1/1	0.93	0.19	34,34,34,34	0
56	MG	1A	3404	1/1	0.93	0.17	32,32,32,32	0
56	MG	2A	3557	1/1	0.93	0.14	61,61,61,61	0
56	MG	2a	3021	1/1	0.93	0.10	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3179	1/1	0.93	0.10	35,35,35,35	0
56	MG	2A	3562	1/1	0.93	0.16	51,51,51,51	0
56	MG	1A	3351	1/1	0.93	0.12	64,64,64,64	0
56	MG	2A	3105	1/1	0.93	0.22	57,57,57,57	0
56	MG	1A	3353	1/1	0.93	0.21	52,52,52,52	0
56	MG	2a	3028	1/1	0.93	0.27	61,61,61,61	0
56	MG	1A	3250	1/1	0.93	0.07	36,36,36,36	0
56	MG	1a	1743	1/1	0.93	0.26	44,44,44,44	0
56	MG	1A	3946	1/1	0.93	0.10	35,35,35,35	0
56	MG	1A	3203	1/1	0.93	0.19	47,47,47,47	0
56	MG	1A	3784	1/1	0.93	0.12	59,59,59,59	0
56	MG	2a	3037	1/1	0.93	0.21	66,66,66,66	0
56	MG	2a	3038	1/1	0.93	0.16	41,41,41,41	0
56	MG	1a	1750	1/1	0.93	0.19	49,49,49,49	0
56	MG	2A	3119	1/1	0.93	0.05	46,46,46,46	0
56	MG	1A	3358	1/1	0.93	0.08	33,33,33,33	0
56	MG	2a	3044	1/1	0.93	0.07	54,54,54,54	0
56	MG	2a	3045	1/1	0.93	0.09	47,47,47,47	0
56	MG	1A	3974	1/1	0.93	0.09	75,75,75,75	0
56	MG	1A	3788	1/1	0.93	0.10	43,43,43,43	0
56	MG	1A	3596	1/1	0.93	0.12	38,38,38,38	0
56	MG	1A	3597	1/1	0.93	0.09	41,41,41,41	0
56	MG	1A	3204	1/1	0.93	0.09	53,53,53,53	0
56	MG	2a	3057	1/1	0.93	0.09	62,62,62,62	0
56	MG	1A	4006	1/1	0.93	0.10	54,54,54,54	0
56	MG	2A	3138	1/1	0.93	0.10	65,65,65,65	0
56	MG	1a	1625	1/1	0.93	0.10	44,44,44,44	0
56	MG	1A	3479	1/1	0.93	0.09	37,37,37,37	0
56	MG	2a	3063	1/1	0.93	0.17	54,54,54,54	0
56	MG	1A	3482	1/1	0.93	0.45	37,37,37,37	0
56	MG	1A	3485	1/1	0.93	0.09	33,33,33,33	0
56	MG	1A	3104	1/1	0.93	0.11	33,33,33,33	0
56	MG	1A	4024	1/1	0.93	0.20	61,61,61,61	0
56	MG	2a	3073	1/1	0.93	0.23	66,66,66,66	0
56	MG	1A	3807	1/1	0.93	0.13	37,37,37,37	0
56	MG	2A	3338	1/1	0.93	0.14	55,55,55,55	0
56	MG	1A	3810	1/1	0.93	0.06	43,43,43,43	0
56	MG	2a	3077	1/1	0.93	0.15	70,70,70,70	0
56	MG	2A	3627	1/1	0.93	0.11	55,55,55,55	0
56	MG	1A	3420	1/1	0.93	0.12	37,37,37,37	0
56	MG	2A	3632	1/1	0.93	0.12	60,60,60,60	0
56	MG	2A	3153	1/1	0.93	0.16	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3086	1/1	0.93	0.24	63,63,63,63	0
56	MG	1A	3642	1/1	0.93	0.11	36,36,36,36	0
56	MG	1A	3363	1/1	0.93	0.08	43,43,43,43	0
56	MG	2A	3637	1/1	0.93	0.13	74,74,74,74	0
56	MG	1A	3815	1/1	0.93	0.27	58,58,58,58	0
56	MG	1A	3262	1/1	0.93	0.18	50,50,50,50	0
56	MG	2A	3161	1/1	0.93	0.09	59,59,59,59	0
56	MG	1A	3652	1/1	0.93	0.08	52,52,52,52	0
56	MG	1a	1804	1/1	0.93	0.11	46,46,46,46	0
56	MG	2A	3651	1/1	0.93	0.10	70,70,70,70	0
56	MG	2A	3169	1/1	0.93	0.32	54,54,54,54	0
56	MG	2a	3104	1/1	0.93	0.12	57,57,57,57	0
56	MG	1A	3657	1/1	0.93	0.12	48,48,48,48	0
56	MG	1a	1647	1/1	0.93	0.17	48,48,48,48	0
56	MG	1A	3822	1/1	0.93	0.14	38,38,38,38	0
56	MG	2A	3663	1/1	0.93	0.08	50,50,50,50	0
56	MG	2A	3665	1/1	0.93	0.07	57,57,57,57	0
56	MG	1A	3823	1/1	0.93	0.14	42,42,42,42	0
56	MG	2A	3670	1/1	0.93	0.06	62,62,62,62	0
56	MG	2A	3671	1/1	0.93	0.13	45,45,45,45	0
56	MG	1a	1652	1/1	0.93	0.15	54,54,54,54	0
56	MG	1B	206	1/1	0.93	0.15	55,55,55,55	0
56	MG	1B	208	1/1	0.93	0.18	50,50,50,50	0
56	MG	1a	1655	1/1	0.93	0.10	41,41,41,41	0
56	MG	2A	3680	1/1	0.93	0.12	58,58,58,58	0
56	MG	1B	211	1/1	0.93	0.06	45,45,45,45	0
56	MG	2A	3377	1/1	0.93	0.20	41,41,41,41	0
56	MG	2A	3687	1/1	0.93	0.21	55,55,55,55	0
56	MG	1A	3495	1/1	0.93	0.11	64,64,64,64	0
56	MG	2a	3125	1/1	0.93	0.27	38,38,38,38	0
56	MG	2A	3187	1/1	0.93	0.09	58,58,58,58	0
56	MG	1B	218	1/1	0.93	0.07	36,36,36,36	0
56	MG	2A	3693	1/1	0.93	0.07	48,48,48,48	0
56	MG	2A	3189	1/1	0.93	0.07	33,33,33,33	0
56	MG	1A	3212	1/1	0.93	0.11	50,50,50,50	0
56	MG	2A	3191	1/1	0.93	0.16	51,51,51,51	0
56	MG	2A	3386	1/1	0.93	0.28	61,61,61,61	0
56	MG	1A	3215	1/1	0.93	0.13	53,53,53,53	0
56	MG	1A	3661	1/1	0.93	0.06	69,69,69,69	0
56	MG	1A	3216	1/1	0.93	0.09	55,55,55,55	0
56	MG	1A	3012	1/1	0.93	0.14	38,38,38,38	0
56	MG	2A	3396	1/1	0.93	0.23	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3158	1/1	0.93	0.13	71,71,71,71	0
56	MG	2A	3196	1/1	0.93	0.07	57,57,57,57	0
56	MG	1A	3509	1/1	0.93	0.21	65,65,65,65	0
56	MG	1a	1667	1/1	0.93	0.16	82,82,82,82	0
56	MG	1A	3138	1/1	0.93	0.35	37,37,37,37	0
56	MG	1A	3227	1/1	0.93	0.18	37,37,37,37	0
56	MG	2a	3169	1/1	0.93	0.16	65,65,65,65	0
56	MG	2A	3725	1/1	0.93	0.14	60,60,60,60	0
56	MG	1D	309	1/1	0.93	0.11	33,33,33,33	0
56	MG	1A	3384	1/1	0.93	0.17	48,48,48,48	0
56	MG	2A	3731	1/1	0.93	0.07	59,59,59,59	0
56	MG	1A	3228	1/1	0.93	0.12	57,57,57,57	0
56	MG	2A	3007	1/1	0.93	0.12	49,49,49,49	0
56	MG	2a	3180	1/1	0.93	0.22	62,62,62,62	0
56	MG	2A	3009	1/1	0.93	0.12	57,57,57,57	0
56	MG	2A	3765	1/1	0.93	0.07	67,67,67,67	0
56	MG	1A	3094	1/1	0.93	0.17	33,33,33,33	0
56	MG	2A	3416	1/1	0.93	0.10	68,68,68,68	0
56	MG	1A	3441	1/1	0.93	0.16	51,51,51,51	0
56	MG	2a	3189	1/1	0.93	0.10	72,72,72,72	0
56	MG	2A	3221	1/1	0.93	0.13	58,58,58,58	0
56	MG	1A	3706	1/1	0.93	0.09	27,27,27,27	0
56	MG	2a	3193	1/1	0.93	0.08	81,81,81,81	0
56	MG	2A	3778	1/1	0.93	0.20	45,45,45,45	0
56	MG	1a	1680	1/1	0.93	0.23	60,60,60,60	0
56	MG	1A	3097	1/1	0.93	0.11	59,59,59,59	0
56	MG	2A	3428	1/1	0.93	0.14	57,57,57,57	0
56	MG	1A	3297	1/1	0.93	0.06	44,44,44,44	0
56	MG	2A	3020	1/1	0.93	0.11	55,55,55,55	0
56	MG	2A	3433	1/1	0.93	0.19	29,29,29,29	0
56	MG	2A	3230	1/1	0.93	0.07	47,47,47,47	0
56	MG	2A	3794	1/1	0.93	0.20	58,58,58,58	0
56	MG	1A	3333	1/1	0.93	0.36	45,45,45,45	0
56	MG	2A	3440	1/1	0.93	0.41	49,49,49,49	0
56	MG	1A	3861	1/1	0.93	0.08	55,55,55,55	0
56	MG	2A	3800	1/1	0.93	0.16	38,38,38,38	0
56	MG	1A	3544	1/1	0.93	0.18	42,42,42,42	0
56	MG	1Q	205	1/1	0.93	0.09	36,36,36,36	0
56	MG	2A	3446	1/1	0.93	0.11	36,36,36,36	0
56	MG	1a	1689	1/1	0.93	0.17	55,55,55,55	0
56	MG	1A	3725	1/1	0.93	0.09	36,36,36,36	0
56	MG	1A	3864	1/1	0.93	0.08	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1U	207	1/1	0.93	0.21	38,38,38,38	0
56	MG	2A	3041	1/1	0.93	0.21	35,35,35,35	0
56	MG	1A	3233	1/1	0.93	0.12	57,57,57,57	0
56	MG	2A	3245	1/1	0.93	0.07	49,49,49,49	0
56	MG	2A	3457	1/1	0.93	0.20	48,48,48,48	0
56	MG	1A	3449	1/1	0.93	0.19	58,58,58,58	0
56	MG	2A	3460	1/1	0.93	0.30	51,51,51,51	0
56	MG	2D	304	1/1	0.93	0.11	54,54,54,54	0
56	MG	1V	205	1/1	0.93	0.12	49,49,49,49	0
56	MG	2E	304	1/1	0.93	0.15	50,50,50,50	0
56	MG	2A	3047	1/1	0.93	0.07	53,53,53,53	0
56	MG	2A	3050	1/1	0.93	0.20	50,50,50,50	0
56	MG	1S	202	1/1	0.94	0.11	35,35,35,35	0
56	MG	1A	3767	1/1	0.94	0.10	49,49,49,49	0
56	MG	1A	3085	1/1	0.94	0.11	40,40,40,40	0
56	MG	1T	205	1/1	0.94	0.07	55,55,55,55	0
56	MG	2B	209	1/1	0.94	0.14	70,70,70,70	0
56	MG	2A	3233	1/1	0.94	0.09	59,59,59,59	0
56	MG	2B	211	1/1	0.94	0.22	51,51,51,51	0
56	MG	2A	3234	1/1	0.94	0.05	50,50,50,50	0
56	MG	1U	204	1/1	0.94	0.10	40,40,40,40	0
56	MG	1A	3184	1/1	0.94	0.12	40,40,40,40	0
56	MG	2D	302	1/1	0.94	0.23	62,62,62,62	0
56	MG	2A	3030	1/1	0.94	0.28	54,54,54,54	0
56	MG	2A	3458	1/1	0.94	0.07	38,38,38,38	0
56	MG	2E	302	1/1	0.94	0.10	52,52,52,52	0
56	MG	2E	303	1/1	0.94	0.09	64,64,64,64	0
56	MG	2A	3031	1/1	0.94	0.08	59,59,59,59	0
56	MG	1A	3593	1/1	0.94	0.07	44,44,44,44	0
56	MG	2E	308	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	3161	1/1	0.94	0.12	47,47,47,47	0
56	MG	1V	204	1/1	0.94	0.13	43,43,43,43	0
56	MG	1A	3245	1/1	0.94	0.12	37,37,37,37	0
56	MG	1A	3921	1/1	0.94	0.07	63,63,63,63	0
56	MG	2A	3466	1/1	0.94	0.24	44,44,44,44	0
56	MG	2A	3043	1/1	0.94	0.10	58,58,58,58	0
56	MG	1A	3388	1/1	0.94	0.14	51,51,51,51	0
56	MG	2A	3469	1/1	0.94	0.27	53,53,53,53	0
56	MG	2R	204	1/1	0.94	0.07	42,42,42,42	0
56	MG	1A	3779	1/1	0.94	0.13	38,38,38,38	0
56	MG	1a	1699	1/1	0.94	0.21	41,41,41,41	0
56	MG	2A	3048	1/1	0.94	0.13	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3049	1/1	0.94	0.06	47,47,47,47	0
56	MG	2U	201	1/1	0.94	0.09	55,55,55,55	0
56	MG	1A	3497	1/1	0.94	0.15	43,43,43,43	0
56	MG	1a	1702	1/1	0.94	0.13	51,51,51,51	0
56	MG	1a	1703	1/1	0.94	0.18	58,58,58,58	0
56	MG	2A	3256	1/1	0.94	0.11	57,57,57,57	0
56	MG	2A	3484	1/1	0.94	0.19	63,63,63,63	0
56	MG	1Z	302	1/1	0.94	0.07	42,42,42,42	0
56	MG	1A	3248	1/1	0.94	0.14	53,53,53,53	0
56	MG	2A	3490	1/1	0.94	0.13	43,43,43,43	0
56	MG	2A	3491	1/1	0.94	0.07	42,42,42,42	0
56	MG	2A	3492	1/1	0.94	0.35	49,49,49,49	0
56	MG	26	101	1/1	0.94	0.07	53,53,53,53	0
56	MG	1A	3504	1/1	0.94	0.18	55,55,55,55	0
56	MG	2A	3496	1/1	0.94	0.17	45,45,45,45	0
56	MG	1A	3139	1/1	0.94	0.12	29,29,29,29	0
56	MG	10	108	1/1	0.94	0.14	62,62,62,62	0
56	MG	2A	3265	1/1	0.94	0.09	58,58,58,58	0
56	MG	2A	3266	1/1	0.94	0.06	38,38,38,38	0
56	MG	2A	3059	1/1	0.94	0.18	52,52,52,52	0
56	MG	1A	3630	1/1	0.94	0.09	65,65,65,65	0
56	MG	2A	3269	1/1	0.94	0.23	50,50,50,50	0
56	MG	2A	3270	1/1	0.94	0.19	56,56,56,56	0
56	MG	2A	3519	1/1	0.94	0.22	49,49,49,49	0
56	MG	2A	3523	1/1	0.94	0.16	65,65,65,65	0
56	MG	1A	3941	1/1	0.94	0.13	55,55,55,55	0
56	MG	1A	3786	1/1	0.94	0.13	51,51,51,51	0
56	MG	1A	3943	1/1	0.94	0.08	64,64,64,64	0
56	MG	15	101	1/1	0.94	0.18	36,36,36,36	0
56	MG	1A	3442	1/1	0.94	0.08	49,49,49,49	0
56	MG	2A	3529	1/1	0.94	0.14	51,51,51,51	0
56	MG	2A	3278	1/1	0.94	0.08	56,56,56,56	0
56	MG	1A	3251	1/1	0.94	0.06	39,39,39,39	0
56	MG	1A	3640	1/1	0.94	0.14	37,37,37,37	0
56	MG	1a	1719	1/1	0.94	0.10	45,45,45,45	0
56	MG	2A	3283	1/1	0.94	0.09	60,60,60,60	0
56	MG	16	102	1/1	0.94	0.10	50,50,50,50	0
56	MG	17	101	1/1	0.94	0.10	39,39,39,39	0
56	MG	1A	3512	1/1	0.94	0.26	42,42,42,42	0
56	MG	2A	3288	1/1	0.94	0.09	44,44,44,44	0
56	MG	2A	3081	1/1	0.94	0.10	62,62,62,62	0
56	MG	1A	3956	1/1	0.94	0.10	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3394	1/1	0.94	0.10	57,57,57,57	0
56	MG	2A	3560	1/1	0.94	0.12	55,55,55,55	0
56	MG	1a	1725	1/1	0.94	0.15	36,36,36,36	0
56	MG	19	101	1/1	0.94	0.13	52,52,52,52	0
56	MG	2A	3299	1/1	0.94	0.07	48,48,48,48	0
56	MG	1A	3342	1/1	0.94	0.10	45,45,45,45	0
56	MG	2A	3573	1/1	0.94	0.09	66,66,66,66	0
56	MG	1A	3975	1/1	0.94	0.08	63,63,63,63	0
56	MG	2A	3090	1/1	0.94	0.18	38,38,38,38	0
56	MG	2a	3043	1/1	0.94	0.09	68,68,68,68	0
56	MG	1A	3253	1/1	0.94	0.16	46,46,46,46	0
56	MG	1A	3982	1/1	0.94	0.20	59,59,59,59	0
56	MG	1a	1734	1/1	0.94	0.19	61,61,61,61	0
56	MG	1A	3803	1/1	0.94	0.08	55,55,55,55	0
56	MG	2a	3050	1/1	0.94	0.09	68,68,68,68	0
56	MG	1A	3986	1/1	0.94	0.07	45,45,45,45	0
56	MG	1A	3653	1/1	0.94	0.17	28,28,28,28	0
56	MG	2A	3101	1/1	0.94	0.17	56,56,56,56	0
56	MG	2A	3102	1/1	0.94	0.23	50,50,50,50	0
56	MG	2A	3588	1/1	0.94	0.16	43,43,43,43	0
56	MG	1A	3996	1/1	0.94	0.08	38,38,38,38	0
56	MG	1a	1745	1/1	0.94	0.16	49,49,49,49	0
56	MG	2A	3317	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	3516	1/1	0.94	0.08	44,44,44,44	0
56	MG	2a	3065	1/1	0.94	0.11	47,47,47,47	0
56	MG	1a	1610	1/1	0.94	0.16	66,66,66,66	0
56	MG	2A	3601	1/1	0.94	0.12	45,45,45,45	0
56	MG	1A	3518	1/1	0.94	0.22	52,52,52,52	0
56	MG	2A	3604	1/1	0.94	0.06	38,38,38,38	0
56	MG	1A	3048	1/1	0.94	0.19	28,28,28,28	0
56	MG	2A	3114	1/1	0.94	0.11	53,53,53,53	0
56	MG	2A	3613	1/1	0.94	0.20	55,55,55,55	0
56	MG	1A	3096	1/1	0.94	0.16	43,43,43,43	0
56	MG	1A	3527	1/1	0.94	0.05	53,53,53,53	0
56	MG	1a	1753	1/1	0.94	0.14	58,58,58,58	0
56	MG	2A	3120	1/1	0.94	0.04	66,66,66,66	0
56	MG	2A	3121	1/1	0.94	0.27	49,49,49,49	0
56	MG	2A	3624	1/1	0.94	0.19	49,49,49,49	0
56	MG	1A	4017	1/1	0.94	0.08	54,54,54,54	0
56	MG	2a	3087	1/1	0.94	0.12	76,76,76,76	0
56	MG	1A	3194	1/1	0.94	0.19	36,36,36,36	0
56	MG	2A	3628	1/1	0.94	0.15	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3332	1/1	0.94	0.10	51,51,51,51	0
56	MG	2A	3631	1/1	0.94	0.09	68,68,68,68	0
56	MG	2a	3094	1/1	0.94	0.06	49,49,49,49	0
56	MG	1a	1757	1/1	0.94	0.12	65,65,65,65	0
56	MG	1A	3014	1/1	0.94	0.11	28,28,28,28	0
56	MG	1A	3536	1/1	0.94	0.14	45,45,45,45	0
56	MG	2A	3336	1/1	0.94	0.08	47,47,47,47	0
56	MG	1A	3539	1/1	0.94	0.29	43,43,43,43	0
56	MG	2A	3638	1/1	0.94	0.15	56,56,56,56	0
56	MG	2A	3136	1/1	0.94	0.20	43,43,43,43	0
56	MG	1A	3015	1/1	0.94	0.10	47,47,47,47	0
56	MG	1A	3459	1/1	0.94	0.12	44,44,44,44	0
56	MG	1A	3683	1/1	0.94	0.17	54,54,54,54	0
56	MG	2A	3140	1/1	0.94	0.10	61,61,61,61	0
56	MG	1a	1773	1/1	0.94	0.05	63,63,63,63	0
56	MG	2a	3112	1/1	0.94	0.28	51,51,51,51	0
56	MG	2A	3345	1/1	0.94	0.15	44,44,44,44	0
56	MG	1A	3685	1/1	0.94	0.19	59,59,59,59	0
56	MG	1A	4032	1/1	0.94	0.14	21,21,21,21	0
56	MG	2A	3349	1/1	0.94	0.05	58,58,58,58	0
56	MG	1A	3688	1/1	0.94	0.09	50,50,50,50	0
56	MG	2A	3351	1/1	0.94	0.07	62,62,62,62	0
56	MG	1A	3694	1/1	0.94	0.11	70,70,70,70	0
56	MG	1A	3066	1/1	0.94	0.08	54,54,54,54	0
56	MG	2A	3150	1/1	0.94	0.25	54,54,54,54	0
56	MG	1A	4040	1/1	0.94	0.13	34,34,34,34	0
56	MG	1A	3545	1/1	0.94	0.14	58,58,58,58	0
56	MG	2A	3675	1/1	0.94	0.09	70,70,70,70	0
56	MG	1B	203	1/1	0.94	0.10	47,47,47,47	0
56	MG	2a	3126	1/1	0.94	0.10	84,84,84,84	0
56	MG	1A	3832	1/1	0.94	0.13	42,42,42,42	0
56	MG	1a	1639	1/1	0.94	0.20	47,47,47,47	0
56	MG	2A	3368	1/1	0.94	0.13	49,49,49,49	0
56	MG	2a	3132	1/1	0.94	0.10	80,80,80,80	0
56	MG	1a	1640	1/1	0.94	0.12	59,59,59,59	0
56	MG	2A	3370	1/1	0.94	0.11	62,62,62,62	0
56	MG	1A	3200	1/1	0.94	0.05	35,35,35,35	0
56	MG	1A	3234	1/1	0.94	0.12	56,56,56,56	0
56	MG	1a	1814	1/1	0.94	0.05	63,63,63,63	0
56	MG	1a	1816	1/1	0.94	0.06	76,76,76,76	0
56	MG	2a	3146	1/1	0.94	0.06	81,81,81,81	0
56	MG	2a	3147	1/1	0.94	0.12	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	209	1/1	0.94	0.11	48,48,48,48	0
56	MG	2A	3695	1/1	0.94	0.11	51,51,51,51	0
56	MG	1a	1820	1/1	0.94	0.07	44,44,44,44	0
56	MG	1B	210	1/1	0.94	0.23	49,49,49,49	0
56	MG	2A	3381	1/1	0.94	0.18	33,33,33,33	0
56	MG	2A	3175	1/1	0.94	0.12	40,40,40,40	0
56	MG	1A	3157	1/1	0.94	0.11	39,39,39,39	0
56	MG	2a	3165	1/1	0.94	0.10	78,78,78,78	0
56	MG	1A	3279	1/1	0.94	0.18	41,41,41,41	0
56	MG	1A	3556	1/1	0.94	0.19	50,50,50,50	0
56	MG	1l	202	1/1	0.94	0.10	52,52,52,52	0
56	MG	1A	3047	1/1	0.94	0.23	44,44,44,44	0
56	MG	1n	101	1/1	0.94	0.27	51,51,51,51	0
56	MG	1A	3724	1/1	0.94	0.09	33,33,33,33	0
56	MG	2a	3176	1/1	0.94	0.12	67,67,67,67	0
56	MG	1A	3369	1/1	0.94	0.12	41,41,41,41	0
56	MG	1A	3855	1/1	0.94	0.09	60,60,60,60	0
56	MG	2A	3722	1/1	0.94	0.09	64,64,64,64	0
56	MG	1x	103	1/1	0.94	0.14	65,65,65,65	0
56	MG	1A	3240	1/1	0.94	0.05	41,41,41,41	0
56	MG	1x	105	1/1	0.94	0.14	57,57,57,57	0
56	MG	2A	3730	1/1	0.94	0.06	71,71,71,71	0
56	MG	1A	3568	1/1	0.94	0.19	39,39,39,39	0
56	MG	2A	3734	1/1	0.94	0.07	45,45,45,45	0
56	MG	2A	3736	1/1	0.94	0.11	60,60,60,60	0
56	MG	1A	3740	1/1	0.94	0.14	44,44,44,44	0
56	MG	2A	3745	1/1	0.94	0.08	45,45,45,45	0
56	MG	1A	3419	1/1	0.94	0.18	43,43,43,43	0
56	MG	1A	3325	1/1	0.94	0.13	43,43,43,43	0
56	MG	2A	3761	1/1	0.94	0.07	55,55,55,55	0
56	MG	2A	3764	1/1	0.94	0.09	52,52,52,52	0
56	MG	1A	3476	1/1	0.94	0.07	41,41,41,41	0
56	MG	2A	3412	1/1	0.94	0.23	57,57,57,57	0
56	MG	1A	3376	1/1	0.94	0.17	26,26,26,26	0
56	MG	1A	3867	1/1	0.94	0.09	78,78,78,78	0
56	MG	1E	309	1/1	0.94	0.07	56,56,56,56	0
56	MG	1F	301	1/1	0.94	0.10	40,40,40,40	0
56	MG	2A	3202	1/1	0.94	0.22	51,51,51,51	0
56	MG	2A	3003	1/1	0.94	0.09	40,40,40,40	0
56	MG	1A	3289	1/1	0.94	0.11	36,36,36,36	0
56	MG	2A	3784	1/1	0.94	0.10	58,58,58,58	0
56	MG	1a	1671	1/1	0.94	0.06	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1G	201	1/1	0.94	0.08	50,50,50,50	0
56	MG	2A	3788	1/1	0.94	0.07	55,55,55,55	0
56	MG	2A	3213	1/1	0.94	0.09	41,41,41,41	0
56	MG	2A	3790	1/1	0.94	0.10	62,62,62,62	0
56	MG	1A	3379	1/1	0.94	0.18	52,52,52,52	0
56	MG	2A	3432	1/1	0.94	0.16	26,26,26,26	0
56	MG	1A	3327	1/1	0.94	0.21	49,49,49,49	0
56	MG	1A	3758	1/1	0.94	0.08	48,48,48,48	0
56	MG	2A	3796	1/1	0.94	0.13	53,53,53,53	0
56	MG	2A	3435	1/1	0.94	0.20	64,64,64,64	0
56	MG	2A	3436	1/1	0.94	0.29	51,51,51,51	0
56	MG	2A	3437	1/1	0.94	0.37	30,30,30,30	0
56	MG	1A	3759	1/1	0.94	0.06	48,48,48,48	0
56	MG	1A	3486	1/1	0.94	0.10	54,54,54,54	0
56	MG	1P	204	1/1	0.94	0.20	54,54,54,54	0
56	MG	2x	103	1/1	0.94	0.18	59,59,59,59	0
56	MG	1A	3292	1/1	0.94	0.19	49,49,49,49	0
56	MG	1A	3588	1/1	0.94	0.07	46,46,46,46	0
56	MG	1Q	204	1/1	0.95	0.06	20,20,20,20	0
56	MG	1A	3140	1/1	0.95	0.14	48,48,48,48	0
56	MG	2A	3135	1/1	0.95	0.16	36,36,36,36	0
56	MG	1R	202	1/1	0.95	0.14	51,51,51,51	0
56	MG	2A	3762	1/1	0.95	0.07	65,65,65,65	0
56	MG	2A	3763	1/1	0.95	0.07	65,65,65,65	0
56	MG	1A	3500	1/1	0.95	0.10	29,29,29,29	0
56	MG	1A	3502	1/1	0.95	0.13	37,37,37,37	0
56	MG	2A	3767	1/1	0.95	0.08	62,62,62,62	0
56	MG	1T	202	1/1	0.95	0.17	49,49,49,49	0
56	MG	1a	1727	1/1	0.95	0.23	52,52,52,52	0
56	MG	1A	3270	1/1	0.95	0.07	49,49,49,49	0
56	MG	2A	3142	1/1	0.95	0.14	39,39,39,39	0
56	MG	1T	204	1/1	0.95	0.04	35,35,35,35	0
56	MG	1A	3271	1/1	0.95	0.07	27,27,27,27	0
56	MG	1A	3866	1/1	0.95	0.20	73,73,73,73	0
56	MG	2A	3780	1/1	0.95	0.13	70,70,70,70	0
56	MG	2A	3398	1/1	0.95	0.15	33,33,33,33	0
56	MG	2A	3146	1/1	0.95	0.18	46,46,46,46	0
56	MG	2A	3402	1/1	0.95	0.18	51,51,51,51	0
56	MG	1U	205	1/1	0.95	0.06	37,37,37,37	0
56	MG	1A	3684	1/1	0.95	0.06	43,43,43,43	0
56	MG	1A	3507	1/1	0.95	0.16	40,40,40,40	0
56	MG	1A	3334	1/1	0.95	0.14	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1U	210	1/1	0.95	0.15	47,47,47,47	0
56	MG	1A	3690	1/1	0.95	0.12	44,44,44,44	0
56	MG	1A	3219	1/1	0.95	0.11	37,37,37,37	0
56	MG	2A	3410	1/1	0.95	0.25	64,64,64,64	0
56	MG	1A	3696	1/1	0.95	0.08	48,48,48,48	0
56	MG	2A	3797	1/1	0.95	0.15	42,42,42,42	0
56	MG	1W	201	1/1	0.95	0.14	33,33,33,33	0
56	MG	1A	3886	1/1	0.95	0.06	45,45,45,45	0
56	MG	1A	3887	1/1	0.95	0.08	65,65,65,65	0
56	MG	2A	3418	1/1	0.95	0.16	42,42,42,42	0
56	MG	2A	3419	1/1	0.95	0.14	60,60,60,60	0
56	MG	2A	3162	1/1	0.95	0.19	54,54,54,54	0
56	MG	1A	3510	1/1	0.95	0.14	53,53,53,53	0
56	MG	2A	3165	1/1	0.95	0.12	42,42,42,42	0
56	MG	1Z	301	1/1	0.95	0.07	32,32,32,32	0
56	MG	1A	3511	1/1	0.95	0.09	48,48,48,48	0
56	MG	2A	3427	1/1	0.95	0.29	41,41,41,41	0
56	MG	10	101	1/1	0.95	0.10	42,42,42,42	0
56	MG	2B	208	1/1	0.95	0.09	48,48,48,48	0
56	MG	2A	3171	1/1	0.95	0.16	50,50,50,50	0
56	MG	1A	3221	1/1	0.95	0.10	35,35,35,35	0
56	MG	1a	1760	1/1	0.95	0.06	55,55,55,55	0
56	MG	10	103	1/1	0.95	0.10	39,39,39,39	0
56	MG	1A	3414	1/1	0.95	0.19	44,44,44,44	0
56	MG	1A	3707	1/1	0.95	0.15	41,41,41,41	0
56	MG	1A	3415	1/1	0.95	0.07	58,58,58,58	0
56	MG	2D	303	1/1	0.95	0.09	48,48,48,48	0
56	MG	1A	3416	1/1	0.95	0.06	36,36,36,36	0
56	MG	2A	3438	1/1	0.95	0.22	54,54,54,54	0
56	MG	2A	3182	1/1	0.95	0.13	41,41,41,41	0
56	MG	1A	3418	1/1	0.95	0.14	46,46,46,46	0
56	MG	1A	3912	1/1	0.95	0.10	44,44,44,44	0
56	MG	2E	305	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	3915	1/1	0.95	0.12	51,51,51,51	0
56	MG	1A	3180	1/1	0.95	0.12	40,40,40,40	0
56	MG	2E	309	1/1	0.95	0.07	39,39,39,39	0
56	MG	1A	3099	1/1	0.95	0.09	33,33,33,33	0
56	MG	2F	302	1/1	0.95	0.13	54,54,54,54	0
56	MG	1A	3922	1/1	0.95	0.11	83,83,83,83	0
56	MG	15	106	1/1	0.95	0.28	40,40,40,40	0
56	MG	1A	3523	1/1	0.95	0.06	46,46,46,46	0
56	MG	2A	3451	1/1	0.95	0.14	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3524	1/1	0.95	0.20	36,36,36,36	0
56	MG	1A	3422	1/1	0.95	0.20	46,46,46,46	0
56	MG	1A	3277	1/1	0.95	0.08	37,37,37,37	0
56	MG	1A	3934	1/1	0.95	0.07	49,49,49,49	0
56	MG	18	101	1/1	0.95	0.22	53,53,53,53	0
56	MG	1a	1793	1/1	0.95	0.09	80,80,80,80	0
56	MG	1a	1794	1/1	0.95	0.07	60,60,60,60	0
56	MG	1a	1800	1/1	0.95	0.06	57,57,57,57	0
56	MG	2A	3201	1/1	0.95	0.10	44,44,44,44	0
56	MG	1A	3935	1/1	0.95	0.17	46,46,46,46	0
56	MG	1A	3741	1/1	0.95	0.09	35,35,35,35	0
56	MG	1A	3937	1/1	0.95	0.15	81,81,81,81	0
56	MG	1A	3278	1/1	0.95	0.20	31,31,31,31	0
56	MG	1a	1818	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3212	1/1	0.95	0.07	47,47,47,47	0
56	MG	1A	3146	1/1	0.95	0.08	42,42,42,42	0
56	MG	20	103	1/1	0.95	0.14	52,52,52,52	0
56	MG	2A	3470	1/1	0.95	0.06	66,66,66,66	0
56	MG	2A	3471	1/1	0.95	0.34	53,53,53,53	0
56	MG	25	102	1/1	0.95	0.10	52,52,52,52	0
56	MG	2A	3214	1/1	0.95	0.23	48,48,48,48	0
56	MG	1A	3747	1/1	0.95	0.12	56,56,56,56	0
56	MG	1A	3748	1/1	0.95	0.11	59,59,59,59	0
56	MG	1A	3280	1/1	0.95	0.21	35,35,35,35	0
56	MG	1A	3944	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3282	1/1	0.95	0.14	37,37,37,37	0
56	MG	2A	3480	1/1	0.95	0.21	43,43,43,43	0
56	MG	2a	3004	1/1	0.95	0.12	47,47,47,47	0
56	MG	1l	201	1/1	0.95	0.23	67,67,67,67	0
56	MG	2A	3482	1/1	0.95	0.12	49,49,49,49	0
56	MG	1A	3352	1/1	0.95	0.22	54,54,54,54	0
56	MG	1A	3283	1/1	0.95	0.20	41,41,41,41	0
56	MG	2A	3226	1/1	0.95	0.13	49,49,49,49	0
56	MG	1a	1611	1/1	0.95	0.07	28,28,28,28	0
56	MG	2A	3488	1/1	0.95	0.10	40,40,40,40	0
56	MG	1n	102	1/1	0.95	0.10	71,71,71,71	0
56	MG	1A	3284	1/1	0.95	0.24	38,38,38,38	0
56	MG	1t	201	1/1	0.95	0.31	55,55,55,55	0
56	MG	2A	3232	1/1	0.95	0.07	55,55,55,55	0
56	MG	1A	3955	1/1	0.95	0.07	43,43,43,43	0
56	MG	1x	101	1/1	0.95	0.16	42,42,42,42	0
56	MG	2A	3235	1/1	0.95	0.08	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3501	1/1	0.95	0.11	49,49,49,49	0
56	MG	2A	3503	1/1	0.95	0.07	54,54,54,54	0
56	MG	2A	3506	1/1	0.95	0.13	48,48,48,48	0
56	MG	1A	3028	1/1	0.95	0.16	34,34,34,34	0
56	MG	1A	3959	1/1	0.95	0.04	48,48,48,48	0
56	MG	1A	3150	1/1	0.95	0.13	38,38,38,38	0
56	MG	1a	1619	1/1	0.95	0.15	51,51,51,51	0
56	MG	2A	3514	1/1	0.95	0.12	61,61,61,61	0
56	MG	1A	3969	1/1	0.95	0.15	62,62,62,62	0
56	MG	1A	3232	1/1	0.95	0.12	45,45,45,45	0
56	MG	2a	3030	1/1	0.95	0.07	64,64,64,64	0
56	MG	1A	3290	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3362	1/1	0.95	0.04	38,38,38,38	0
56	MG	1A	3043	1/1	0.95	0.15	36,36,36,36	0
56	MG	1A	3984	1/1	0.95	0.07	65,65,65,65	0
56	MG	1A	3557	1/1	0.95	0.09	34,34,34,34	0
56	MG	1A	3559	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	3154	1/1	0.95	0.06	37,37,37,37	0
56	MG	2A	3002	1/1	0.95	0.11	41,41,41,41	0
56	MG	2a	3041	1/1	0.95	0.14	55,55,55,55	0
56	MG	1A	3990	1/1	0.95	0.06	31,31,31,31	0
56	MG	1A	3992	1/1	0.95	0.10	40,40,40,40	0
56	MG	1A	3993	1/1	0.95	0.09	85,85,85,85	0
56	MG	1A	3368	1/1	0.95	0.09	32,32,32,32	0
56	MG	2a	3046	1/1	0.95	0.06	72,72,72,72	0
56	MG	1A	3774	1/1	0.95	0.11	54,54,54,54	0
56	MG	2A	3257	1/1	0.95	0.18	47,47,47,47	0
56	MG	1A	3999	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	4004	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3554	1/1	0.95	0.09	58,58,58,58	0
56	MG	2a	3055	1/1	0.95	0.06	64,64,64,64	0
56	MG	2A	3011	1/1	0.95	0.08	52,52,52,52	0
56	MG	1A	3110	1/1	0.95	0.14	41,41,41,41	0
56	MG	2A	3262	1/1	0.95	0.07	46,46,46,46	0
56	MG	1A	3370	1/1	0.95	0.10	48,48,48,48	0
56	MG	1A	4008	1/1	0.95	0.07	40,40,40,40	0
56	MG	2A	3015	1/1	0.95	0.11	44,44,44,44	0
56	MG	1a	1642	1/1	0.95	0.06	42,42,42,42	0
56	MG	1A	3193	1/1	0.95	0.08	58,58,58,58	0
56	MG	2A	3568	1/1	0.95	0.07	40,40,40,40	0
56	MG	1A	3238	1/1	0.95	0.07	63,63,63,63	0
56	MG	2a	3070	1/1	0.95	0.07	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1645	1/1	0.95	0.19	65,65,65,65	0
56	MG	1a	1646	1/1	0.95	0.10	48,48,48,48	0
56	MG	2A	3575	1/1	0.95	0.15	37,37,37,37	0
56	MG	2A	3024	1/1	0.95	0.14	54,54,54,54	0
56	MG	1A	3455	1/1	0.95	0.09	46,46,46,46	0
56	MG	1A	4018	1/1	0.95	0.08	27,27,27,27	0
56	MG	1a	1649	1/1	0.95	0.30	62,62,62,62	0
56	MG	2a	3078	1/1	0.95	0.23	58,58,58,58	0
56	MG	1A	4019	1/1	0.95	0.18	53,53,53,53	0
56	MG	1a	1651	1/1	0.95	0.11	39,39,39,39	0
56	MG	2A	3583	1/1	0.95	0.10	56,56,56,56	0
56	MG	2A	3584	1/1	0.95	0.07	48,48,48,48	0
56	MG	1A	4020	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3032	1/1	0.95	0.11	47,47,47,47	0
56	MG	2a	3088	1/1	0.95	0.13	53,53,53,53	0
56	MG	2A	3282	1/1	0.95	0.15	45,45,45,45	0
56	MG	1A	4023	1/1	0.95	0.09	57,57,57,57	0
56	MG	2A	3589	1/1	0.95	0.15	39,39,39,39	0
56	MG	2a	3092	1/1	0.95	0.07	60,60,60,60	0
56	MG	2A	3591	1/1	0.95	0.11	45,45,45,45	0
56	MG	2A	3039	1/1	0.95	0.19	53,53,53,53	0
56	MG	1A	3377	1/1	0.95	0.09	33,33,33,33	0
56	MG	2A	3286	1/1	0.95	0.08	57,57,57,57	0
56	MG	1A	3034	1/1	0.95	0.25	45,45,45,45	0
56	MG	1a	1657	1/1	0.95	0.15	58,58,58,58	0
56	MG	1A	3001	1/1	0.95	0.09	39,39,39,39	0
56	MG	1A	3061	1/1	0.95	0.20	47,47,47,47	0
56	MG	2a	3103	1/1	0.95	0.13	60,60,60,60	0
56	MG	1A	3462	1/1	0.95	0.12	43,43,43,43	0
56	MG	2a	3105	1/1	0.95	0.12	49,49,49,49	0
56	MG	2A	3607	1/1	0.95	0.14	35,35,35,35	0
56	MG	1A	3790	1/1	0.95	0.06	50,50,50,50	0
56	MG	1A	3794	1/1	0.95	0.06	51,51,51,51	0
56	MG	1A	3381	1/1	0.95	0.11	60,60,60,60	0
56	MG	1A	3075	1/1	0.95	0.14	36,36,36,36	0
56	MG	2A	3615	1/1	0.95	0.12	52,52,52,52	0
56	MG	1a	1665	1/1	0.95	0.17	60,60,60,60	0
56	MG	2A	3303	1/1	0.95	0.06	67,67,67,67	0
56	MG	1A	3246	1/1	0.95	0.14	31,31,31,31	0
56	MG	1A	3467	1/1	0.95	0.14	46,46,46,46	0
56	MG	1A	3076	1/1	0.95	0.06	38,38,38,38	0
56	MG	1A	3311	1/1	0.95	0.18	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3057	1/1	0.95	0.12	45,45,45,45	0
56	MG	1a	1670	1/1	0.95	0.19	60,60,60,60	0
56	MG	1B	201	1/1	0.95	0.15	56,56,56,56	0
56	MG	2A	3311	1/1	0.95	0.07	43,43,43,43	0
56	MG	2A	3060	1/1	0.95	0.06	44,44,44,44	0
56	MG	2A	3633	1/1	0.95	0.19	51,51,51,51	0
56	MG	1A	3127	1/1	0.95	0.27	50,50,50,50	0
56	MG	1A	3598	1/1	0.95	0.15	57,57,57,57	0
56	MG	1A	3472	1/1	0.95	0.05	49,49,49,49	0
56	MG	2A	3316	1/1	0.95	0.05	53,53,53,53	0
56	MG	1a	1676	1/1	0.95	0.11	35,35,35,35	0
56	MG	1A	3208	1/1	0.95	0.16	59,59,59,59	0
56	MG	2A	3641	1/1	0.95	0.12	58,58,58,58	0
56	MG	1A	3474	1/1	0.95	0.07	40,40,40,40	0
56	MG	1A	3608	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	3609	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3612	1/1	0.95	0.05	36,36,36,36	0
56	MG	2a	3140	1/1	0.95	0.07	61,61,61,61	0
56	MG	2A	3647	1/1	0.95	0.07	72,72,72,72	0
56	MG	2a	3144	1/1	0.95	0.07	58,58,58,58	0
56	MG	2A	3650	1/1	0.95	0.13	62,62,62,62	0
56	MG	1A	3621	1/1	0.95	0.11	40,40,40,40	0
56	MG	2a	3151	1/1	0.95	0.05	82,82,82,82	0
56	MG	1A	3314	1/1	0.95	0.13	43,43,43,43	0
56	MG	2a	3153	1/1	0.95	0.05	76,76,76,76	0
56	MG	2A	3654	1/1	0.95	0.06	62,62,62,62	0
56	MG	2A	3079	1/1	0.95	0.14	52,52,52,52	0
56	MG	1A	3626	1/1	0.95	0.09	39,39,39,39	0
56	MG	2a	3159	1/1	0.95	0.12	59,59,59,59	0
56	MG	2a	3160	1/1	0.95	0.13	67,67,67,67	0
56	MG	1A	3315	1/1	0.95	0.06	34,34,34,34	0
56	MG	1B	223	1/1	0.95	0.09	58,58,58,58	0
56	MG	1a	1688	1/1	0.95	0.16	52,52,52,52	0
56	MG	1A	3252	1/1	0.95	0.12	59,59,59,59	0
56	MG	2A	3669	1/1	0.95	0.06	43,43,43,43	0
56	MG	1A	3634	1/1	0.95	0.06	65,65,65,65	0
56	MG	1A	3636	1/1	0.95	0.09	34,34,34,34	0
56	MG	1A	3037	1/1	0.95	0.12	37,37,37,37	0
56	MG	1B	230	1/1	0.95	0.07	61,61,61,61	0
56	MG	2a	3173	1/1	0.95	0.10	42,42,42,42	0
56	MG	1D	303	1/1	0.95	0.14	39,39,39,39	0
56	MG	1A	3480	1/1	0.95	0.13	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3254	1/1	0.95	0.10	55,55,55,55	0
56	MG	2A	3679	1/1	0.95	0.11	51,51,51,51	0
56	MG	2A	3096	1/1	0.95	0.11	59,59,59,59	0
56	MG	2A	3341	1/1	0.95	0.04	47,47,47,47	0
56	MG	2A	3682	1/1	0.95	0.07	58,58,58,58	0
56	MG	2A	3097	1/1	0.95	0.14	51,51,51,51	0
56	MG	1A	3484	1/1	0.95	0.25	39,39,39,39	0
56	MG	1E	303	1/1	0.95	0.19	44,44,44,44	0
56	MG	2A	3689	1/1	0.95	0.09	46,46,46,46	0
56	MG	2a	3187	1/1	0.95	0.07	47,47,47,47	0
56	MG	1E	304	1/1	0.95	0.11	38,38,38,38	0
56	MG	1A	3136	1/1	0.95	0.06	35,35,35,35	0
56	MG	1A	3214	1/1	0.95	0.18	50,50,50,50	0
56	MG	1A	3400	1/1	0.95	0.06	54,54,54,54	0
56	MG	2A	3108	1/1	0.95	0.07	50,50,50,50	0
56	MG	1A	3002	1/1	0.95	0.13	52,52,52,52	0
56	MG	1F	303	1/1	0.95	0.12	43,43,43,43	0
56	MG	2A	3353	1/1	0.95	0.12	44,44,44,44	0
56	MG	2A	3700	1/1	0.95	0.09	61,61,61,61	0
56	MG	1A	3258	1/1	0.95	0.09	53,53,53,53	0
56	MG	1F	308	1/1	0.95	0.06	32,32,32,32	0
56	MG	2a	3202	1/1	0.95	0.20	53,53,53,53	0
56	MG	1F	309	1/1	0.95	0.11	52,52,52,52	0
56	MG	1A	3848	1/1	0.95	0.06	43,43,43,43	0
56	MG	2a	3205	1/1	0.95	0.08	36,36,36,36	0
56	MG	2A	3115	1/1	0.95	0.17	57,57,57,57	0
56	MG	2a	3207	1/1	0.95	0.05	68,68,68,68	0
56	MG	2A	3362	1/1	0.95	0.08	54,54,54,54	0
56	MG	1A	3850	1/1	0.95	0.09	52,52,52,52	0
56	MG	2A	3365	1/1	0.95	0.07	46,46,46,46	0
56	MG	1a	1713	1/1	0.95	0.14	41,41,41,41	0
56	MG	2A	3367	1/1	0.95	0.07	41,41,41,41	0
56	MG	2A	3720	1/1	0.95	0.10	48,48,48,48	0
56	MG	1A	3084	1/1	0.95	0.12	50,50,50,50	0
56	MG	1A	3263	1/1	0.95	0.15	36,36,36,36	0
56	MG	2A	3727	1/1	0.95	0.12	63,63,63,63	0
56	MG	1A	3267	1/1	0.95	0.07	52,52,52,52	0
56	MG	2e	201	1/1	0.95	0.07	81,81,81,81	0
56	MG	1A	3268	1/1	0.95	0.23	57,57,57,57	0
56	MG	1O	201	1/1	0.95	0.10	43,43,43,43	0
56	MG	2A	3374	1/1	0.95	0.17	37,37,37,37	0
56	MG	2A	3732	1/1	0.95	0.11	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3663	1/1	0.95	0.10	32,32,32,32	0
56	MG	2A	3735	1/1	0.95	0.09	67,67,67,67	0
56	MG	1A	3498	1/1	0.95	0.06	38,38,38,38	0
56	MG	2A	3737	1/1	0.95	0.10	54,54,54,54	0
56	MG	2A	3129	1/1	0.95	0.08	59,59,59,59	0
56	MG	2A	3740	1/1	0.95	0.06	71,71,71,71	0
56	MG	2x	104	1/1	0.95	0.17	50,50,50,50	0
56	MG	2A	3741	1/1	0.95	0.10	68,68,68,68	0
56	MG	2A	3744	1/1	0.95	0.06	59,59,59,59	0
56	MG	1A	3576	1/1	0.96	0.08	34,34,34,34	0
56	MG	2A	3502	1/1	0.96	0.12	58,58,58,58	0
56	MG	1U	206	1/1	0.96	0.23	34,34,34,34	0
56	MG	1A	3201	1/1	0.96	0.10	41,41,41,41	0
56	MG	2A	3068	1/1	0.96	0.12	54,54,54,54	0
56	MG	2A	3508	1/1	0.96	0.05	75,75,75,75	0
56	MG	1A	3762	1/1	0.96	0.10	51,51,51,51	0
56	MG	2A	3511	1/1	0.96	0.10	70,70,70,70	0
56	MG	1A	3477	1/1	0.96	0.24	50,50,50,50	0
56	MG	1A	3109	1/1	0.96	0.09	52,52,52,52	0
56	MG	1V	203	1/1	0.96	0.19	44,44,44,44	0
56	MG	1A	3060	1/1	0.96	0.24	49,49,49,49	0
56	MG	1A	3940	1/1	0.96	0.07	79,79,79,79	0
56	MG	2A	3076	1/1	0.96	0.07	56,56,56,56	0
56	MG	2G	201	1/1	0.96	0.17	52,52,52,52	0
56	MG	2A	3078	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	3302	1/1	0.96	0.08	52,52,52,52	0
56	MG	1A	3206	1/1	0.96	0.27	44,44,44,44	0
56	MG	2A	3289	1/1	0.96	0.05	49,49,49,49	0
56	MG	1W	204	1/1	0.96	0.14	36,36,36,36	0
56	MG	1W	205	1/1	0.96	0.06	39,39,39,39	0
56	MG	1A	3589	1/1	0.96	0.11	37,37,37,37	0
56	MG	2A	3084	1/1	0.96	0.10	35,35,35,35	0
56	MG	2A	3532	1/1	0.96	0.15	39,39,39,39	0
56	MG	1A	3357	1/1	0.96	0.06	39,39,39,39	0
56	MG	2A	3086	1/1	0.96	0.06	49,49,49,49	0
56	MG	1X	104	1/1	0.96	0.26	44,44,44,44	0
56	MG	1X	105	1/1	0.96	0.10	45,45,45,45	0
56	MG	2A	3538	1/1	0.96	0.05	57,57,57,57	0
56	MG	2A	3540	1/1	0.96	0.05	53,53,53,53	0
56	MG	2V	202	1/1	0.96	0.05	38,38,38,38	0
56	MG	2A	3541	1/1	0.96	0.12	46,46,46,46	0
56	MG	2A	3302	1/1	0.96	0.17	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3113	1/1	0.96	0.07	51,51,51,51	0
56	MG	2A	3547	1/1	0.96	0.10	44,44,44,44	0
56	MG	1A	3305	1/1	0.96	0.28	49,49,49,49	0
56	MG	1A	3417	1/1	0.96	0.18	46,46,46,46	0
56	MG	2A	3092	1/1	0.96	0.05	53,53,53,53	0
56	MG	1A	3953	1/1	0.96	0.09	39,39,39,39	0
56	MG	1A	3777	1/1	0.96	0.09	52,52,52,52	0
56	MG	1a	1728	1/1	0.96	0.11	62,62,62,62	0
56	MG	1A	3083	1/1	0.96	0.19	39,39,39,39	0
56	MG	10	104	1/1	0.96	0.12	46,46,46,46	0
56	MG	1A	3307	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3957	1/1	0.96	0.07	31,31,31,31	0
56	MG	1A	3045	1/1	0.96	0.11	41,41,41,41	0
56	MG	1a	1736	1/1	0.96	0.23	60,60,60,60	0
56	MG	2A	3571	1/1	0.96	0.10	52,52,52,52	0
56	MG	2A	3104	1/1	0.96	0.16	39,39,39,39	0
56	MG	11	101	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	3117	1/1	0.96	0.11	47,47,47,47	0
56	MG	1A	3366	1/1	0.96	0.18	59,59,59,59	0
56	MG	1A	3261	1/1	0.96	0.11	62,62,62,62	0
56	MG	1A	3062	1/1	0.96	0.10	49,49,49,49	0
56	MG	1A	3976	1/1	0.96	0.13	67,67,67,67	0
56	MG	1A	3031	1/1	0.96	0.20	25,25,25,25	0
56	MG	1a	1748	1/1	0.96	0.16	55,55,55,55	0
56	MG	15	104	1/1	0.96	0.16	38,38,38,38	0
56	MG	1A	3120	1/1	0.96	0.25	40,40,40,40	0
56	MG	1A	3619	1/1	0.96	0.06	43,43,43,43	0
56	MG	1A	3374	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	3122	1/1	0.96	0.14	53,53,53,53	0
56	MG	1a	1754	1/1	0.96	0.06	53,53,53,53	0
56	MG	2A	3122	1/1	0.96	0.08	55,55,55,55	0
56	MG	1A	3505	1/1	0.96	0.25	38,38,38,38	0
56	MG	1A	3989	1/1	0.96	0.08	52,52,52,52	0
56	MG	2A	3125	1/1	0.96	0.13	46,46,46,46	0
56	MG	2a	3024	1/1	0.96	0.06	53,53,53,53	0
56	MG	2A	3594	1/1	0.96	0.05	40,40,40,40	0
56	MG	1A	3799	1/1	0.96	0.06	36,36,36,36	0
56	MG	2A	3598	1/1	0.96	0.14	60,60,60,60	0
56	MG	17	107	1/1	0.96	0.11	29,29,29,29	0
56	MG	1A	3173	1/1	0.96	0.06	41,41,41,41	0
56	MG	2A	3130	1/1	0.96	0.18	32,32,32,32	0
56	MG	1A	3432	1/1	0.96	0.21	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3032	1/1	0.96	0.14	37,37,37,37	0
56	MG	18	103	1/1	0.96	0.07	33,33,33,33	0
56	MG	1A	3434	1/1	0.96	0.11	39,39,39,39	0
56	MG	1A	3224	1/1	0.96	0.32	37,37,37,37	0
56	MG	1A	3804	1/1	0.96	0.16	40,40,40,40	0
56	MG	1A	3805	1/1	0.96	0.05	45,45,45,45	0
56	MG	2A	3347	1/1	0.96	0.12	45,45,45,45	0
56	MG	1A	3437	1/1	0.96	0.14	41,41,41,41	0
56	MG	1A	3319	1/1	0.96	0.06	30,30,30,30	0
56	MG	2A	3617	1/1	0.96	0.08	59,59,59,59	0
56	MG	1A	3439	1/1	0.96	0.27	44,44,44,44	0
56	MG	1A	4012	1/1	0.96	0.14	56,56,56,56	0
56	MG	1A	3123	1/1	0.96	0.25	40,40,40,40	0
56	MG	1A	3006	1/1	0.96	0.04	35,35,35,35	0
56	MG	2A	3625	1/1	0.96	0.07	58,58,58,58	0
56	MG	1A	3651	1/1	0.96	0.08	30,30,30,30	0
56	MG	1A	3025	1/1	0.96	0.15	55,55,55,55	0
56	MG	2a	3051	1/1	0.96	0.07	81,81,81,81	0
56	MG	1a	1612	1/1	0.96	0.06	35,35,35,35	0
56	MG	1A	3016	1/1	0.96	0.05	39,39,39,39	0
56	MG	1a	1791	1/1	0.96	0.06	59,59,59,59	0
56	MG	1A	3654	1/1	0.96	0.09	31,31,31,31	0
56	MG	2A	3363	1/1	0.96	0.09	63,63,63,63	0
56	MG	1A	4021	1/1	0.96	0.06	64,64,64,64	0
56	MG	1A	3128	1/1	0.96	0.12	25,25,25,25	0
56	MG	2a	3060	1/1	0.96	0.07	78,78,78,78	0
56	MG	1a	1795	1/1	0.96	0.13	86,86,86,86	0
56	MG	1A	3821	1/1	0.96	0.24	34,34,34,34	0
56	MG	1A	3446	1/1	0.96	0.05	37,37,37,37	0
56	MG	2A	3639	1/1	0.96	0.07	59,59,59,59	0
56	MG	1a	1807	1/1	0.96	0.05	66,66,66,66	0
56	MG	1a	1808	1/1	0.96	0.06	82,82,82,82	0
56	MG	1a	1810	1/1	0.96	0.07	75,75,75,75	0
56	MG	1A	3520	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3644	1/1	0.96	0.07	58,58,58,58	0
56	MG	1A	3522	1/1	0.96	0.14	37,37,37,37	0
56	MG	2A	3166	1/1	0.96	0.18	48,48,48,48	0
56	MG	1A	3067	1/1	0.96	0.07	34,34,34,34	0
56	MG	1A	3385	1/1	0.96	0.15	48,48,48,48	0
56	MG	1A	3005	1/1	0.96	0.04	42,42,42,42	0
56	MG	1A	3526	1/1	0.96	0.25	24,24,24,24	0
56	MG	1a	1821	1/1	0.96	0.11	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3173	1/1	0.96	0.21	58,58,58,58	0
56	MG	2A	3659	1/1	0.96	0.08	36,36,36,36	0
56	MG	2A	3174	1/1	0.96	0.32	55,55,55,55	0
56	MG	2a	3084	1/1	0.96	0.24	52,52,52,52	0
56	MG	1A	3450	1/1	0.96	0.08	53,53,53,53	0
56	MG	1A	3529	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	3530	1/1	0.96	0.13	37,37,37,37	0
56	MG	2A	3388	1/1	0.96	0.15	52,52,52,52	0
56	MG	2A	3389	1/1	0.96	0.20	42,42,42,42	0
56	MG	2A	3390	1/1	0.96	0.20	48,48,48,48	0
56	MG	2A	3391	1/1	0.96	0.20	54,54,54,54	0
56	MG	1A	4038	1/1	0.96	0.06	41,41,41,41	0
56	MG	1A	3837	1/1	0.96	0.10	41,41,41,41	0
56	MG	2A	3394	1/1	0.96	0.11	61,61,61,61	0
56	MG	1A	3676	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	3531	1/1	0.96	0.13	53,53,53,53	0
56	MG	1a	1635	1/1	0.96	0.04	43,43,43,43	0
56	MG	1A	3187	1/1	0.96	0.20	49,49,49,49	0
56	MG	2A	3399	1/1	0.96	0.21	41,41,41,41	0
56	MG	2A	3400	1/1	0.96	0.11	60,60,60,60	0
56	MG	1B	202	1/1	0.96	0.10	46,46,46,46	0
56	MG	2A	3684	1/1	0.96	0.06	65,65,65,65	0
56	MG	1A	3452	1/1	0.96	0.37	41,41,41,41	0
56	MG	1A	3846	1/1	0.96	0.05	53,53,53,53	0
56	MG	1A	3534	1/1	0.96	0.13	26,26,26,26	0
56	MG	2A	3690	1/1	0.96	0.08	43,43,43,43	0
56	MG	2a	3110	1/1	0.96	0.13	53,53,53,53	0
56	MG	1A	3686	1/1	0.96	0.06	47,47,47,47	0
56	MG	1A	3535	1/1	0.96	0.17	28,28,28,28	0
56	MG	1A	3235	1/1	0.96	0.11	50,50,50,50	0
56	MG	1A	3693	1/1	0.96	0.06	31,31,31,31	0
56	MG	1A	3538	1/1	0.96	0.04	28,28,28,28	0
56	MG	1x	107	1/1	0.96	0.29	67,67,67,67	0
56	MG	1A	3019	1/1	0.96	0.13	48,48,48,48	0
56	MG	1A	3052	1/1	0.96	0.08	41,41,41,41	0
56	MG	1A	3699	1/1	0.96	0.09	58,58,58,58	0
56	MG	2A	3701	1/1	0.96	0.09	51,51,51,51	0
56	MG	2A	3702	1/1	0.96	0.06	50,50,50,50	0
56	MG	2A	3415	1/1	0.96	0.11	43,43,43,43	0
56	MG	1A	3072	1/1	0.96	0.05	45,45,45,45	0
56	MG	2A	3417	1/1	0.96	0.23	42,42,42,42	0
56	MG	1A	3543	1/1	0.96	0.05	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3705	1/1	0.96	0.07	63,63,63,63	0
56	MG	2A	3713	1/1	0.96	0.12	58,58,58,58	0
56	MG	1A	3393	1/1	0.96	0.07	41,41,41,41	0
56	MG	2A	3204	1/1	0.96	0.07	40,40,40,40	0
56	MG	2A	3205	1/1	0.96	0.24	52,52,52,52	0
56	MG	1A	3286	1/1	0.96	0.11	41,41,41,41	0
56	MG	1A	3395	1/1	0.96	0.07	59,59,59,59	0
56	MG	1B	229	1/1	0.96	0.06	64,64,64,64	0
56	MG	1A	3871	1/1	0.96	0.07	57,57,57,57	0
56	MG	2A	3429	1/1	0.96	0.09	67,67,67,67	0
56	MG	2a	3139	1/1	0.96	0.06	75,75,75,75	0
56	MG	2A	3726	1/1	0.96	0.06	56,56,56,56	0
56	MG	1A	3547	1/1	0.96	0.05	42,42,42,42	0
56	MG	1A	3396	1/1	0.96	0.18	53,53,53,53	0
56	MG	1D	307	1/1	0.96	0.08	38,38,38,38	0
56	MG	2A	3216	1/1	0.96	0.12	37,37,37,37	0
56	MG	2a	3150	1/1	0.96	0.06	53,53,53,53	0
56	MG	2A	3217	1/1	0.96	0.18	46,46,46,46	0
56	MG	1D	308	1/1	0.96	0.06	47,47,47,47	0
56	MG	1A	3716	1/1	0.96	0.13	28,28,28,28	0
56	MG	1A	3550	1/1	0.96	0.14	27,27,27,27	0
56	MG	1E	301	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	3719	1/1	0.96	0.08	60,60,60,60	0
56	MG	2A	3223	1/1	0.96	0.07	52,52,52,52	0
56	MG	2A	3441	1/1	0.96	0.19	47,47,47,47	0
56	MG	1A	3884	1/1	0.96	0.07	57,57,57,57	0
56	MG	1A	3885	1/1	0.96	0.05	58,58,58,58	0
56	MG	2a	3163	1/1	0.96	0.12	50,50,50,50	0
56	MG	2A	3016	1/1	0.96	0.09	57,57,57,57	0
56	MG	1A	3142	1/1	0.96	0.17	43,43,43,43	0
56	MG	1A	3192	1/1	0.96	0.10	44,44,44,44	0
56	MG	2A	3755	1/1	0.96	0.08	62,62,62,62	0
56	MG	2A	3758	1/1	0.96	0.07	52,52,52,52	0
56	MG	2A	3019	1/1	0.96	0.06	46,46,46,46	0
56	MG	1A	3029	1/1	0.96	0.12	51,51,51,51	0
56	MG	1A	3892	1/1	0.96	0.06	63,63,63,63	0
56	MG	1A	3893	1/1	0.96	0.09	51,51,51,51	0
56	MG	2A	3453	1/1	0.96	0.29	47,47,47,47	0
56	MG	2A	3766	1/1	0.96	0.07	65,65,65,65	0
56	MG	1F	305	1/1	0.96	0.10	51,51,51,51	0
56	MG	2A	3768	1/1	0.96	0.13	43,43,43,43	0
56	MG	2A	3025	1/1	0.96	0.04	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3772	1/1	0.96	0.06	46,46,46,46	0
56	MG	2a	3182	1/1	0.96	0.09	60,60,60,60	0
56	MG	1F	306	1/1	0.96	0.11	31,31,31,31	0
56	MG	1F	307	1/1	0.96	0.12	34,34,34,34	0
56	MG	1A	3733	1/1	0.96	0.06	66,66,66,66	0
56	MG	1A	3466	1/1	0.96	0.17	51,51,51,51	0
56	MG	2A	3777	1/1	0.96	0.14	65,65,65,65	0
56	MG	1A	3041	1/1	0.96	0.11	45,45,45,45	0
56	MG	1A	3340	1/1	0.96	0.09	61,61,61,61	0
56	MG	1A	3469	1/1	0.96	0.05	33,33,33,33	0
56	MG	2a	3192	1/1	0.96	0.07	70,70,70,70	0
56	MG	2A	3781	1/1	0.96	0.14	52,52,52,52	0
56	MG	1A	3562	1/1	0.96	0.11	43,43,43,43	0
56	MG	2A	3037	1/1	0.96	0.28	50,50,50,50	0
56	MG	1A	3908	1/1	0.96	0.13	72,72,72,72	0
56	MG	2A	3040	1/1	0.96	0.07	51,51,51,51	0
56	MG	1A	3564	1/1	0.96	0.08	36,36,36,36	0
56	MG	1A	3030	1/1	0.96	0.10	49,49,49,49	0
56	MG	1a	1685	1/1	0.96	0.19	42,42,42,42	0
56	MG	1O	202	1/1	0.96	0.08	56,56,56,56	0
56	MG	2A	3045	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3749	1/1	0.96	0.07	41,41,41,41	0
56	MG	1A	3044	1/1	0.96	0.11	40,40,40,40	0
56	MG	1Q	203	1/1	0.96	0.07	43,43,43,43	0
56	MG	1a	1690	1/1	0.96	0.10	65,65,65,65	0
56	MG	2A	3477	1/1	0.96	0.17	47,47,47,47	0
56	MG	1A	3918	1/1	0.96	0.13	47,47,47,47	0
56	MG	1A	3345	1/1	0.96	0.07	46,46,46,46	0
56	MG	2a	3211	1/1	0.96	0.09	66,66,66,66	0
56	MG	1A	3346	1/1	0.96	0.09	40,40,40,40	0
56	MG	1R	203	1/1	0.96	0.09	48,48,48,48	0
56	MG	2A	3803	1/1	0.96	0.04	39,39,39,39	0
56	MG	2A	3804	1/1	0.96	0.14	52,52,52,52	0
56	MG	2A	3806	1/1	0.96	0.10	51,51,51,51	0
56	MG	1S	201	1/1	0.96	0.10	61,61,61,61	0
56	MG	1A	3106	1/1	0.96	0.12	49,49,49,49	0
56	MG	2B	201	1/1	0.96	0.13	49,49,49,49	0
56	MG	2B	202	1/1	0.96	0.12	56,56,56,56	0
56	MG	2A	3264	1/1	0.96	0.09	38,38,38,38	0
56	MG	1A	3924	1/1	0.96	0.08	67,67,67,67	0
56	MG	1A	3573	1/1	0.96	0.21	35,35,35,35	0
56	MG	1A	3926	1/1	0.96	0.13	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3757	1/1	0.96	0.05	41,41,41,41	0
56	MG	1A	3930	1/1	0.96	0.06	39,39,39,39	0
56	MG	2A	3061	1/1	0.96	0.07	37,37,37,37	0
56	MG	1U	201	1/1	0.96	0.21	42,42,42,42	0
56	MG	2A	3497	1/1	0.96	0.08	58,58,58,58	0
56	MG	1A	3108	1/1	0.96	0.05	43,43,43,43	0
56	MG	2B	213	1/1	0.96	0.28	46,46,46,46	0
56	MG	2A	3274	1/1	0.96	0.22	48,48,48,48	0
56	MG	1A	4014	1/1	0.97	0.06	49,49,49,49	0
56	MG	1A	3421	1/1	0.97	0.14	44,44,44,44	0
56	MG	2A	3561	1/1	0.97	0.07	59,59,59,59	0
56	MG	2A	3328	1/1	0.97	0.06	65,65,65,65	0
56	MG	2A	3564	1/1	0.97	0.08	49,49,49,49	0
56	MG	2P	201	1/1	0.97	0.12	53,53,53,53	0
56	MG	1A	3565	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3213	1/1	0.97	0.06	56,56,56,56	0
56	MG	2A	3567	1/1	0.97	0.05	52,52,52,52	0
56	MG	1A	3488	1/1	0.97	0.07	49,49,49,49	0
56	MG	2A	3569	1/1	0.97	0.12	41,41,41,41	0
56	MG	1A	3702	1/1	0.97	0.06	55,55,55,55	0
56	MG	1A	3364	1/1	0.97	0.12	44,44,44,44	0
56	MG	1A	3833	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3132	1/1	0.97	0.07	40,40,40,40	0
56	MG	1a	1782	1/1	0.97	0.06	49,49,49,49	0
56	MG	1a	1783	1/1	0.97	0.08	59,59,59,59	0
56	MG	1A	3089	1/1	0.97	0.10	39,39,39,39	0
56	MG	1a	1785	1/1	0.97	0.06	68,68,68,68	0
56	MG	1A	3100	1/1	0.97	0.13	37,37,37,37	0
56	MG	2W	201	1/1	0.97	0.09	44,44,44,44	0
56	MG	1a	1787	1/1	0.97	0.06	53,53,53,53	0
56	MG	1A	3494	1/1	0.97	0.10	36,36,36,36	0
56	MG	2X	102	1/1	0.97	0.10	57,57,57,57	0
56	MG	1A	3310	1/1	0.97	0.20	48,48,48,48	0
56	MG	1A	3709	1/1	0.97	0.09	28,28,28,28	0
56	MG	1A	3178	1/1	0.97	0.16	43,43,43,43	0
56	MG	1A	3843	1/1	0.97	0.07	52,52,52,52	0
56	MG	1A	3844	1/1	0.97	0.14	53,53,53,53	0
56	MG	1A	3845	1/1	0.97	0.06	62,62,62,62	0
56	MG	1A	4031	1/1	0.97	0.12	47,47,47,47	0
56	MG	1a	1803	1/1	0.97	0.15	67,67,67,67	0
56	MG	1A	3079	1/1	0.97	0.07	40,40,40,40	0
56	MG	1a	1805	1/1	0.97	0.05	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4035	1/1	0.97	0.06	46,46,46,46	0
56	MG	1A	3847	1/1	0.97	0.08	30,30,30,30	0
56	MG	2A	3596	1/1	0.97	0.06	32,32,32,32	0
56	MG	1A	3579	1/1	0.97	0.06	45,45,45,45	0
56	MG	2A	3356	1/1	0.97	0.05	55,55,55,55	0
56	MG	1A	3429	1/1	0.97	0.07	54,54,54,54	0
56	MG	2A	3358	1/1	0.97	0.07	38,38,38,38	0
56	MG	2A	3155	1/1	0.97	0.12	41,41,41,41	0
56	MG	2A	3603	1/1	0.97	0.08	33,33,33,33	0
56	MG	1a	1622	1/1	0.97	0.05	55,55,55,55	0
56	MG	2A	3606	1/1	0.97	0.08	48,48,48,48	0
56	MG	1A	3218	1/1	0.97	0.20	47,47,47,47	0
56	MG	1A	3373	1/1	0.97	0.04	33,33,33,33	0
56	MG	2A	3609	1/1	0.97	0.12	45,45,45,45	0
56	MG	2A	3159	1/1	0.97	0.16	45,45,45,45	0
56	MG	2A	3160	1/1	0.97	0.04	50,50,50,50	0
56	MG	1A	3721	1/1	0.97	0.05	31,31,31,31	0
56	MG	1A	3722	1/1	0.97	0.06	58,58,58,58	0
56	MG	1A	3723	1/1	0.97	0.04	37,37,37,37	0
56	MG	2A	3164	1/1	0.97	0.04	57,57,57,57	0
56	MG	1A	3102	1/1	0.97	0.23	38,38,38,38	0
56	MG	1a	1629	1/1	0.97	0.12	46,46,46,46	0
56	MG	1A	3503	1/1	0.97	0.17	25,25,25,25	0
56	MG	1B	205	1/1	0.97	0.22	50,50,50,50	0
56	MG	1A	3727	1/1	0.97	0.06	45,45,45,45	0
56	MG	1B	207	1/1	0.97	0.07	55,55,55,55	0
56	MG	1l	203	1/1	0.97	0.03	61,61,61,61	0
56	MG	1A	3729	1/1	0.97	0.14	37,37,37,37	0
56	MG	1A	3730	1/1	0.97	0.05	60,60,60,60	0
56	MG	1A	3433	1/1	0.97	0.07	37,37,37,37	0
56	MG	1A	3264	1/1	0.97	0.27	45,45,45,45	0
56	MG	1B	213	1/1	0.97	0.05	37,37,37,37	0
56	MG	2A	3384	1/1	0.97	0.37	37,37,37,37	0
56	MG	1A	3735	1/1	0.97	0.07	35,35,35,35	0
56	MG	1B	216	1/1	0.97	0.08	41,41,41,41	0
56	MG	1B	217	1/1	0.97	0.04	37,37,37,37	0
56	MG	2A	3181	1/1	0.97	0.22	49,49,49,49	0
56	MG	1A	3868	1/1	0.97	0.07	46,46,46,46	0
56	MG	1A	3737	1/1	0.97	0.05	48,48,48,48	0
56	MG	1A	3738	1/1	0.97	0.07	55,55,55,55	0
56	MG	1A	3266	1/1	0.97	0.06	40,40,40,40	0
56	MG	1A	3220	1/1	0.97	0.10	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3080	1/1	0.97	0.08	31,31,31,31	0
56	MG	1A	3595	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3222	1/1	0.97	0.15	41,41,41,41	0
56	MG	1x	111	1/1	0.97	0.10	70,70,70,70	0
56	MG	2A	3648	1/1	0.97	0.07	41,41,41,41	0
56	MG	1A	3745	1/1	0.97	0.06	46,46,46,46	0
56	MG	1A	3746	1/1	0.97	0.09	51,51,51,51	0
56	MG	1A	3223	1/1	0.97	0.10	42,42,42,42	0
56	MG	1D	302	1/1	0.97	0.06	51,51,51,51	0
56	MG	2A	3655	1/1	0.97	0.09	59,59,59,59	0
56	MG	1A	3105	1/1	0.97	0.05	42,42,42,42	0
56	MG	2A	3197	1/1	0.97	0.18	45,45,45,45	0
56	MG	1A	3891	1/1	0.97	0.09	67,67,67,67	0
56	MG	1D	306	1/1	0.97	0.24	34,34,34,34	0
56	MG	1A	3055	1/1	0.97	0.07	41,41,41,41	0
56	MG	1A	3185	1/1	0.97	0.14	32,32,32,32	0
56	MG	1A	3895	1/1	0.97	0.06	72,72,72,72	0
56	MG	1A	3605	1/1	0.97	0.10	27,27,27,27	0
56	MG	2A	3008	1/1	0.97	0.07	58,58,58,58	0
56	MG	2A	3411	1/1	0.97	0.38	52,52,52,52	0
56	MG	2a	3066	1/1	0.97	0.07	43,43,43,43	0
56	MG	1A	3151	1/1	0.97	0.14	44,44,44,44	0
56	MG	2A	3207	1/1	0.97	0.06	46,46,46,46	0
56	MG	2a	3069	1/1	0.97	0.14	53,53,53,53	0
56	MG	2A	3208	1/1	0.97	0.11	48,48,48,48	0
56	MG	1A	3107	1/1	0.97	0.12	48,48,48,48	0
56	MG	1A	3230	1/1	0.97	0.12	55,55,55,55	0
56	MG	1A	3901	1/1	0.97	0.06	63,63,63,63	0
56	MG	1A	3902	1/1	0.97	0.04	49,49,49,49	0
56	MG	1A	3517	1/1	0.97	0.08	45,45,45,45	0
56	MG	1A	3905	1/1	0.97	0.10	44,44,44,44	0
56	MG	1F	302	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3613	1/1	0.97	0.06	43,43,43,43	0
56	MG	2A	3686	1/1	0.97	0.07	68,68,68,68	0
56	MG	1A	3615	1/1	0.97	0.07	30,30,30,30	0
56	MG	2A	3425	1/1	0.97	0.26	31,31,31,31	0
56	MG	1A	3760	1/1	0.97	0.15	59,59,59,59	0
56	MG	1A	3329	1/1	0.97	0.12	44,44,44,44	0
56	MG	2a	3085	1/1	0.97	0.08	67,67,67,67	0
56	MG	1A	3913	1/1	0.97	0.07	47,47,47,47	0
56	MG	1A	3125	1/1	0.97	0.10	42,42,42,42	0
56	MG	2A	3023	1/1	0.97	0.18	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3389	1/1	0.97	0.07	52,52,52,52	0
56	MG	1A	3917	1/1	0.97	0.10	72,72,72,72	0
56	MG	2A	3026	1/1	0.97	0.14	39,39,39,39	0
56	MG	1A	3764	1/1	0.97	0.20	41,41,41,41	0
56	MG	2A	3227	1/1	0.97	0.06	59,59,59,59	0
56	MG	1A	3919	1/1	0.97	0.15	56,56,56,56	0
56	MG	1A	3765	1/1	0.97	0.08	53,53,53,53	0
56	MG	1A	3073	1/1	0.97	0.10	41,41,41,41	0
56	MG	2a	3097	1/1	0.97	0.14	35,35,35,35	0
56	MG	1A	3628	1/1	0.97	0.06	40,40,40,40	0
56	MG	2a	3099	1/1	0.97	0.10	55,55,55,55	0
56	MG	2A	3032	1/1	0.97	0.15	47,47,47,47	0
56	MG	1A	3768	1/1	0.97	0.07	38,38,38,38	0
56	MG	1A	3011	1/1	0.97	0.19	32,32,32,32	0
56	MG	2A	3708	1/1	0.97	0.06	45,45,45,45	0
56	MG	2A	3443	1/1	0.97	0.12	38,38,38,38	0
56	MG	2A	3712	1/1	0.97	0.10	67,67,67,67	0
56	MG	1P	202	1/1	0.97	0.08	33,33,33,33	0
56	MG	2A	3036	1/1	0.97	0.23	42,42,42,42	0
56	MG	1P	203	1/1	0.97	0.23	43,43,43,43	0
56	MG	2A	3038	1/1	0.97	0.07	44,44,44,44	0
56	MG	1A	3020	1/1	0.97	0.20	24,24,24,24	0
56	MG	1A	3454	1/1	0.97	0.14	48,48,48,48	0
56	MG	2A	3450	1/1	0.97	0.15	51,51,51,51	0
56	MG	2A	3721	1/1	0.97	0.05	56,56,56,56	0
56	MG	1A	3129	1/1	0.97	0.05	47,47,47,47	0
56	MG	2A	3723	1/1	0.97	0.06	59,59,59,59	0
56	MG	1A	3931	1/1	0.97	0.04	34,34,34,34	0
56	MG	1A	3130	1/1	0.97	0.10	41,41,41,41	0
56	MG	1A	3933	1/1	0.97	0.07	38,38,38,38	0
56	MG	1A	3639	1/1	0.97	0.08	24,24,24,24	0
56	MG	1A	3285	1/1	0.97	0.14	42,42,42,42	0
56	MG	1A	3641	1/1	0.97	0.06	56,56,56,56	0
56	MG	1A	3195	1/1	0.97	0.11	45,45,45,45	0
56	MG	1A	3196	1/1	0.97	0.14	37,37,37,37	0
56	MG	2A	3733	1/1	0.97	0.05	76,76,76,76	0
56	MG	1A	3646	1/1	0.97	0.12	46,46,46,46	0
56	MG	1A	3339	1/1	0.97	0.10	32,32,32,32	0
56	MG	2A	3462	1/1	0.97	0.08	54,54,54,54	0
56	MG	2a	3129	1/1	0.97	0.05	62,62,62,62	0
56	MG	1a	1700	1/1	0.97	0.19	48,48,48,48	0
56	MG	1A	3648	1/1	0.97	0.10	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3739	1/1	0.97	0.08	62,62,62,62	0
56	MG	1A	3239	1/1	0.97	0.08	42,42,42,42	0
56	MG	1U	203	1/1	0.97	0.13	36,36,36,36	0
56	MG	2A	3743	1/1	0.97	0.05	47,47,47,47	0
56	MG	2a	3136	1/1	0.97	0.07	75,75,75,75	0
56	MG	1A	3341	1/1	0.97	0.20	50,50,50,50	0
56	MG	1A	3132	1/1	0.97	0.13	25,25,25,25	0
56	MG	2A	3747	1/1	0.97	0.05	58,58,58,58	0
56	MG	2A	3751	1/1	0.97	0.06	54,54,54,54	0
56	MG	1A	3343	1/1	0.97	0.16	45,45,45,45	0
56	MG	2a	3143	1/1	0.97	0.09	57,57,57,57	0
56	MG	1A	3017	1/1	0.97	0.07	44,44,44,44	0
56	MG	1A	3792	1/1	0.97	0.12	51,51,51,51	0
56	MG	1A	3950	1/1	0.97	0.08	82,82,82,82	0
56	MG	2a	3148	1/1	0.97	0.04	60,60,60,60	0
56	MG	1A	3793	1/1	0.97	0.05	45,45,45,45	0
56	MG	1V	201	1/1	0.97	0.13	39,39,39,39	0
56	MG	1A	3291	1/1	0.97	0.16	46,46,46,46	0
56	MG	1A	3166	1/1	0.97	0.04	33,33,33,33	0
56	MG	1A	3347	1/1	0.97	0.06	45,45,45,45	0
56	MG	2A	3478	1/1	0.97	0.18	56,56,56,56	0
56	MG	1A	3348	1/1	0.97	0.06	38,38,38,38	0
56	MG	1A	3134	1/1	0.97	0.22	36,36,36,36	0
56	MG	1W	203	1/1	0.97	0.06	36,36,36,36	0
56	MG	2A	3771	1/1	0.97	0.11	42,42,42,42	0
56	MG	1A	3961	1/1	0.97	0.09	40,40,40,40	0
56	MG	2A	3273	1/1	0.97	0.04	71,71,71,71	0
56	MG	1A	3244	1/1	0.97	0.07	49,49,49,49	0
56	MG	1A	3964	1/1	0.97	0.07	50,50,50,50	0
56	MG	1A	3965	1/1	0.97	0.05	76,76,76,76	0
56	MG	2A	3075	1/1	0.97	0.08	52,52,52,52	0
56	MG	1X	103	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	3967	1/1	0.97	0.05	50,50,50,50	0
56	MG	1A	3968	1/1	0.97	0.06	80,80,80,80	0
56	MG	1A	3296	1/1	0.97	0.24	44,44,44,44	0
56	MG	2A	3494	1/1	0.97	0.05	69,69,69,69	0
56	MG	2A	3783	1/1	0.97	0.29	29,29,29,29	0
56	MG	1A	3970	1/1	0.97	0.09	79,79,79,79	0
56	MG	2A	3785	1/1	0.97	0.14	41,41,41,41	0
56	MG	1A	3973	1/1	0.97	0.05	78,78,78,78	0
56	MG	2A	3498	1/1	0.97	0.06	51,51,51,51	0
56	MG	1a	1729	1/1	0.97	0.16	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3411	1/1	0.97	0.09	61,61,61,61	0
56	MG	1A	3667	1/1	0.97	0.04	36,36,36,36	0
56	MG	1A	3669	1/1	0.97	0.09	37,37,37,37	0
56	MG	2A	3792	1/1	0.97	0.04	63,63,63,63	0
56	MG	1A	3168	1/1	0.97	0.05	37,37,37,37	0
56	MG	2A	3504	1/1	0.97	0.04	47,47,47,47	0
56	MG	2a	3188	1/1	0.97	0.07	58,58,58,58	0
56	MG	1A	3169	1/1	0.97	0.12	22,22,22,22	0
56	MG	1a	1735	1/1	0.97	0.11	46,46,46,46	0
56	MG	1A	3808	1/1	0.97	0.05	55,55,55,55	0
56	MG	10	107	1/1	0.97	0.11	30,30,30,30	0
56	MG	1a	1738	1/1	0.97	0.07	38,38,38,38	0
56	MG	1A	3809	1/1	0.97	0.07	48,48,48,48	0
56	MG	2A	3295	1/1	0.97	0.15	52,52,52,52	0
56	MG	2A	3298	1/1	0.97	0.06	66,66,66,66	0
56	MG	1A	3247	1/1	0.97	0.23	41,41,41,41	0
56	MG	1A	3681	1/1	0.97	0.05	59,59,59,59	0
56	MG	2A	3805	1/1	0.97	0.08	43,43,43,43	0
56	MG	2A	3518	1/1	0.97	0.07	45,45,45,45	0
56	MG	1A	3988	1/1	0.97	0.06	50,50,50,50	0
56	MG	2A	3809	1/1	0.97	0.20	38,38,38,38	0
56	MG	1A	3552	1/1	0.97	0.15	40,40,40,40	0
56	MG	2A	3811	1/1	0.97	0.10	77,77,77,77	0
56	MG	1A	3170	1/1	0.97	0.14	44,44,44,44	0
56	MG	1A	3991	1/1	0.97	0.13	31,31,31,31	0
56	MG	1A	3135	1/1	0.97	0.10	34,34,34,34	0
56	MG	15	103	1/1	0.97	0.12	37,37,37,37	0
56	MG	2A	3103	1/1	0.97	0.12	32,32,32,32	0
56	MG	1A	3816	1/1	0.97	0.07	61,61,61,61	0
56	MG	1A	3817	1/1	0.97	0.20	30,30,30,30	0
56	MG	2A	3531	1/1	0.97	0.05	35,35,35,35	0
56	MG	2A	3106	1/1	0.97	0.09	48,48,48,48	0
56	MG	2A	3107	1/1	0.97	0.25	39,39,39,39	0
56	MG	1A	3207	1/1	0.97	0.07	47,47,47,47	0
56	MG	15	107	1/1	0.97	0.05	29,29,29,29	0
56	MG	2A	3536	1/1	0.97	0.07	56,56,56,56	0
56	MG	1A	3481	1/1	0.97	0.38	36,36,36,36	0
56	MG	1A	3687	1/1	0.97	0.04	45,45,45,45	0
56	MG	1A	3114	1/1	0.97	0.11	43,43,43,43	0
56	MG	1a	1758	1/1	0.97	0.05	54,54,54,54	0
56	MG	2l	201	1/1	0.97	0.06	51,51,51,51	0
56	MG	17	102	1/1	0.97	0.04	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2q	201	1/1	0.97	0.27	60,60,60,60	0
56	MG	1a	1763	1/1	0.97	0.05	46,46,46,46	0
56	MG	17	103	1/1	0.97	0.16	48,48,48,48	0
56	MG	2A	3548	1/1	0.97	0.11	43,43,43,43	0
56	MG	1A	3004	1/1	0.97	0.11	38,38,38,38	0
56	MG	1A	3692	1/1	0.97	0.20	36,36,36,36	0
56	MG	2E	306	1/1	0.97	0.05	53,53,53,53	0
56	MG	2A	3323	1/1	0.97	0.11	42,42,42,42	0
56	MG	1A	3174	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	4013	1/1	0.97	0.06	43,43,43,43	0
56	MG	1A	3714	1/1	0.98	0.10	26,26,26,26	0
56	MG	1A	3611	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	3960	1/1	0.98	0.07	27,27,27,27	0
56	MG	2A	3685	1/1	0.98	0.06	37,37,37,37	0
56	MG	1Q	202	1/1	0.98	0.07	45,45,45,45	0
56	MG	1A	3367	1/1	0.98	0.11	44,44,44,44	0
56	MG	1A	3717	1/1	0.98	0.06	32,32,32,32	0
56	MG	1A	3147	1/1	0.98	0.04	41,41,41,41	0
56	MG	1a	1674	1/1	0.98	0.07	37,37,37,37	0
56	MG	1R	201	1/1	0.98	0.10	45,45,45,45	0
56	MG	1A	3202	1/1	0.98	0.17	37,37,37,37	0
56	MG	2A	3487	1/1	0.98	0.11	30,30,30,30	0
56	MG	1A	3720	1/1	0.98	0.05	21,21,21,21	0
56	MG	2A	3489	1/1	0.98	0.08	55,55,55,55	0
56	MG	1A	3616	1/1	0.98	0.07	26,26,26,26	0
56	MG	1A	3618	1/1	0.98	0.10	27,27,27,27	0
56	MG	2a	3033	1/1	0.98	0.27	57,57,57,57	0
56	MG	1A	3830	1/1	0.98	0.07	27,27,27,27	0
56	MG	1A	3971	1/1	0.98	0.04	59,59,59,59	0
56	MG	1A	3295	1/1	0.98	0.10	62,62,62,62	0
56	MG	1A	3620	1/1	0.98	0.04	36,36,36,36	0
56	MG	2A	3703	1/1	0.98	0.11	38,38,38,38	0
56	MG	1A	3077	1/1	0.98	0.07	38,38,38,38	0
56	MG	1A	3836	1/1	0.98	0.04	29,29,29,29	0
56	MG	1A	3977	1/1	0.98	0.04	43,43,43,43	0
56	MG	2A	3167	1/1	0.98	0.10	29,29,29,29	0
56	MG	1A	3726	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	3838	1/1	0.98	0.06	41,41,41,41	0
56	MG	2A	3710	1/1	0.98	0.05	48,48,48,48	0
56	MG	2A	3711	1/1	0.98	0.04	67,67,67,67	0
56	MG	1A	3622	1/1	0.98	0.08	37,37,37,37	0
56	MG	1A	3728	1/1	0.98	0.08	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3049	1/1	0.98	0.04	44,44,44,44	0
56	MG	2A	3505	1/1	0.98	0.08	34,34,34,34	0
56	MG	1A	3548	1/1	0.98	0.05	51,51,51,51	0
56	MG	2a	3052	1/1	0.98	0.04	54,54,54,54	0
56	MG	1A	3372	1/1	0.98	0.17	42,42,42,42	0
56	MG	1A	3731	1/1	0.98	0.05	56,56,56,56	0
56	MG	1A	3627	1/1	0.98	0.03	31,31,31,31	0
56	MG	2A	3510	1/1	0.98	0.11	44,44,44,44	0
56	MG	1A	3501	1/1	0.98	0.10	22,22,22,22	0
56	MG	1A	3734	1/1	0.98	0.04	40,40,40,40	0
56	MG	1A	3629	1/1	0.98	0.05	30,30,30,30	0
56	MG	2A	3724	1/1	0.98	0.05	46,46,46,46	0
56	MG	1A	3736	1/1	0.98	0.12	25,25,25,25	0
56	MG	2A	3515	1/1	0.98	0.07	43,43,43,43	0
56	MG	1A	3995	1/1	0.98	0.05	47,47,47,47	0
56	MG	2a	3064	1/1	0.98	0.04	58,58,58,58	0
56	MG	1W	202	1/1	0.98	0.14	40,40,40,40	0
56	MG	1A	3849	1/1	0.98	0.06	45,45,45,45	0
56	MG	1A	3042	1/1	0.98	0.03	33,33,33,33	0
56	MG	1A	3998	1/1	0.98	0.04	37,37,37,37	0
56	MG	1a	1704	1/1	0.98	0.18	38,38,38,38	0
56	MG	2A	3186	1/1	0.98	0.07	40,40,40,40	0
56	MG	1A	3631	1/1	0.98	0.09	35,35,35,35	0
56	MG	1A	4001	1/1	0.98	0.08	26,26,26,26	0
56	MG	1A	3265	1/1	0.98	0.12	36,36,36,36	0
56	MG	1A	4005	1/1	0.98	0.11	55,55,55,55	0
56	MG	1A	3633	1/1	0.98	0.05	23,23,23,23	0
56	MG	1A	3553	1/1	0.98	0.08	25,25,25,25	0
56	MG	1A	3635	1/1	0.98	0.05	43,43,43,43	0
56	MG	1A	4011	1/1	0.98	0.05	52,52,52,52	0
56	MG	2a	3079	1/1	0.98	0.23	45,45,45,45	0
56	MG	2A	3742	1/1	0.98	0.07	43,43,43,43	0
56	MG	1A	3299	1/1	0.98	0.05	49,49,49,49	0
56	MG	1A	3555	1/1	0.98	0.06	42,42,42,42	0
56	MG	2A	3361	1/1	0.98	0.11	53,53,53,53	0
56	MG	1A	3033	1/1	0.98	0.15	26,26,26,26	0
56	MG	1A	3095	1/1	0.98	0.14	35,35,35,35	0
56	MG	2A	3752	1/1	0.98	0.04	44,44,44,44	0
56	MG	2A	3539	1/1	0.98	0.07	38,38,38,38	0
56	MG	1A	3153	1/1	0.98	0.05	36,36,36,36	0
56	MG	1A	3209	1/1	0.98	0.08	51,51,51,51	0
56	MG	2A	3756	1/1	0.98	0.08	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3865	1/1	0.98	0.03	77,77,77,77	0
56	MG	2A	3760	1/1	0.98	0.04	65,65,65,65	0
56	MG	1A	3054	1/1	0.98	0.16	30,30,30,30	0
56	MG	2A	3545	1/1	0.98	0.06	44,44,44,44	0
56	MG	2A	3546	1/1	0.98	0.09	37,37,37,37	0
56	MG	1A	3645	1/1	0.98	0.05	23,23,23,23	0
56	MG	1A	3021	1/1	0.98	0.13	27,27,27,27	0
56	MG	1A	3183	1/1	0.98	0.16	50,50,50,50	0
56	MG	2A	3553	1/1	0.98	0.06	43,43,43,43	0
56	MG	2A	3371	1/1	0.98	0.14	31,31,31,31	0
56	MG	1A	3007	1/1	0.98	0.15	45,45,45,45	0
56	MG	2A	3770	1/1	0.98	0.04	60,60,60,60	0
56	MG	1A	3650	1/1	0.98	0.08	26,26,26,26	0
56	MG	1A	3874	1/1	0.98	0.04	38,38,38,38	0
56	MG	2A	3558	1/1	0.98	0.04	36,36,36,36	0
56	MG	1A	3036	1/1	0.98	0.09	27,27,27,27	0
56	MG	2A	3376	1/1	0.98	0.13	45,45,45,45	0
56	MG	1A	3877	1/1	0.98	0.05	52,52,52,52	0
56	MG	1A	3275	1/1	0.98	0.07	39,39,39,39	0
56	MG	2A	3563	1/1	0.98	0.16	36,36,36,36	0
56	MG	1A	3058	1/1	0.98	0.04	53,53,53,53	0
56	MG	1A	3881	1/1	0.98	0.04	63,63,63,63	0
56	MG	1A	3023	1/1	0.98	0.09	47,47,47,47	0
56	MG	1A	3655	1/1	0.98	0.05	42,42,42,42	0
56	MG	1A	4034	1/1	0.98	0.07	39,39,39,39	0
56	MG	1A	3656	1/1	0.98	0.17	39,39,39,39	0
56	MG	1A	3137	1/1	0.98	0.07	39,39,39,39	0
56	MG	1A	3889	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	3087	1/1	0.98	0.18	27,27,27,27	0
56	MG	1a	1739	1/1	0.98	0.20	38,38,38,38	0
56	MG	1a	1740	1/1	0.98	0.21	37,37,37,37	0
56	MG	2A	3576	1/1	0.98	0.06	47,47,47,47	0
56	MG	1A	3574	1/1	0.98	0.11	50,50,50,50	0
56	MG	1A	3163	1/1	0.98	0.04	48,48,48,48	0
56	MG	1A	3281	1/1	0.98	0.27	44,44,44,44	0
56	MG	1A	3577	1/1	0.98	0.09	52,52,52,52	0
56	MG	1A	3521	1/1	0.98	0.09	38,38,38,38	0
56	MG	2a	3128	1/1	0.98	0.04	67,67,67,67	0
56	MG	1A	3897	1/1	0.98	0.07	60,60,60,60	0
56	MG	1A	3249	1/1	0.98	0.09	26,26,26,26	0
56	MG	1A	3665	1/1	0.98	0.06	34,34,34,34	0
56	MG	1A	3580	1/1	0.98	0.07	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3581	1/1	0.98	0.11	31,31,31,31	0
56	MG	1A	3668	1/1	0.98	0.05	45,45,45,45	0
56	MG	1A	3582	1/1	0.98	0.09	39,39,39,39	0
56	MG	1A	3904	1/1	0.98	0.05	47,47,47,47	0
56	MG	2A	3590	1/1	0.98	0.17	37,37,37,37	0
56	MG	1A	3671	1/1	0.98	0.05	51,51,51,51	0
56	MG	1B	212	1/1	0.98	0.05	41,41,41,41	0
56	MG	1A	3906	1/1	0.98	0.04	67,67,67,67	0
56	MG	2a	3141	1/1	0.98	0.05	61,61,61,61	0
56	MG	2A	3808	1/1	0.98	0.11	46,46,46,46	0
56	MG	2A	3077	1/1	0.98	0.06	42,42,42,42	0
56	MG	1A	3672	1/1	0.98	0.09	37,37,37,37	0
56	MG	2a	3145	1/1	0.98	0.05	67,67,67,67	0
56	MG	1a	1759	1/1	0.98	0.05	45,45,45,45	0
56	MG	1B	215	1/1	0.98	0.04	44,44,44,44	0
56	MG	1a	1762	1/1	0.98	0.08	44,44,44,44	0
56	MG	2a	3149	1/1	0.98	0.13	67,67,67,67	0
56	MG	1A	3317	1/1	0.98	0.27	43,43,43,43	0
56	MG	1A	3782	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	3911	1/1	0.98	0.08	26,26,26,26	0
56	MG	1a	1616	1/1	0.98	0.06	64,64,64,64	0
56	MG	2A	3249	1/1	0.98	0.08	55,55,55,55	0
56	MG	2A	3605	1/1	0.98	0.09	55,55,55,55	0
56	MG	2a	3157	1/1	0.98	0.04	58,58,58,58	0
56	MG	1A	3584	1/1	0.98	0.11	40,40,40,40	0
56	MG	1A	3675	1/1	0.98	0.05	57,57,57,57	0
56	MG	1A	3914	1/1	0.98	0.06	54,54,54,54	0
56	MG	1B	222	1/1	0.98	0.09	67,67,67,67	0
56	MG	1A	3354	1/1	0.98	0.06	43,43,43,43	0
56	MG	2A	3611	1/1	0.98	0.09	31,31,31,31	0
56	MG	2A	3612	1/1	0.98	0.09	49,49,49,49	0
56	MG	2D	301	1/1	0.98	0.07	39,39,39,39	0
56	MG	2a	3166	1/1	0.98	0.09	41,41,41,41	0
56	MG	1A	3677	1/1	0.98	0.04	31,31,31,31	0
56	MG	1A	3787	1/1	0.98	0.06	41,41,41,41	0
56	MG	1A	3678	1/1	0.98	0.06	39,39,39,39	0
56	MG	1A	3164	1/1	0.98	0.14	40,40,40,40	0
56	MG	2A	3095	1/1	0.98	0.15	47,47,47,47	0
56	MG	2a	3172	1/1	0.98	0.07	39,39,39,39	0
56	MG	2A	3618	1/1	0.98	0.05	59,59,59,59	0
56	MG	2a	3174	1/1	0.98	0.04	78,78,78,78	0
56	MG	1A	3920	1/1	0.98	0.11	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3621	1/1	0.98	0.06	42,42,42,42	0
56	MG	1A	3436	1/1	0.98	0.14	34,34,34,34	0
56	MG	1B	231	1/1	0.98	0.06	36,36,36,36	0
56	MG	1D	301	1/1	0.98	0.05	44,44,44,44	0
56	MG	1A	3121	1/1	0.98	0.04	61,61,61,61	0
56	MG	1A	3528	1/1	0.98	0.12	23,23,23,23	0
56	MG	1D	304	1/1	0.98	0.05	42,42,42,42	0
56	MG	1A	3590	1/1	0.98	0.07	31,31,31,31	0
56	MG	1A	3024	1/1	0.98	0.19	44,44,44,44	0
56	MG	1A	3796	1/1	0.98	0.05	51,51,51,51	0
56	MG	1A	3141	1/1	0.98	0.13	43,43,43,43	0
56	MG	1A	3928	1/1	0.98	0.04	58,58,58,58	0
56	MG	1A	3929	1/1	0.98	0.08	26,26,26,26	0
56	MG	1A	3798	1/1	0.98	0.09	20,20,20,20	0
56	MG	1a	1796	1/1	0.98	0.05	67,67,67,67	0
56	MG	1a	1798	1/1	0.98	0.05	72,72,72,72	0
56	MG	2R	203	1/1	0.98	0.10	39,39,39,39	0
56	MG	1E	302	1/1	0.98	0.07	47,47,47,47	0
56	MG	1a	1802	1/1	0.98	0.05	64,64,64,64	0
56	MG	2a	3195	1/1	0.98	0.07	52,52,52,52	0
56	MG	1A	3039	1/1	0.98	0.17	37,37,37,37	0
56	MG	1A	3003	1/1	0.98	0.05	33,33,33,33	0
56	MG	1A	3691	1/1	0.98	0.08	28,28,28,28	0
56	MG	1E	306	1/1	0.98	0.24	33,33,33,33	0
56	MG	1A	3361	1/1	0.98	0.04	24,24,24,24	0
56	MG	1a	1809	1/1	0.98	0.05	48,48,48,48	0
56	MG	1E	308	1/1	0.98	0.08	26,26,26,26	0
56	MG	1A	3443	1/1	0.98	0.20	44,44,44,44	0
56	MG	1a	1813	1/1	0.98	0.06	72,72,72,72	0
56	MG	2A	3649	1/1	0.98	0.07	49,49,49,49	0
56	MG	1A	3144	1/1	0.98	0.07	42,42,42,42	0
56	MG	1A	3145	1/1	0.98	0.03	56,56,56,56	0
56	MG	2A	3652	1/1	0.98	0.08	31,31,31,31	0
56	MG	1a	1817	1/1	0.98	0.04	70,70,70,70	0
56	MG	1A	3537	1/1	0.98	0.07	31,31,31,31	0
56	MG	2A	3128	1/1	0.98	0.16	34,34,34,34	0
56	MG	2A	3656	1/1	0.98	0.05	66,66,66,66	0
56	MG	1A	3600	1/1	0.98	0.04	29,29,29,29	0
56	MG	25	103	1/1	0.98	0.15	46,46,46,46	0
56	MG	1A	3601	1/1	0.98	0.11	33,33,33,33	0
56	MG	1A	3010	1/1	0.98	0.04	44,44,44,44	0
56	MG	2A	3296	1/1	0.98	0.06	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3297	1/1	0.98	0.07	54,54,54,54	0
56	MG	1A	3603	1/1	0.98	0.04	54,54,54,54	0
56	MG	2A	3666	1/1	0.98	0.02	44,44,44,44	0
56	MG	2A	3667	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	3811	1/1	0.98	0.11	56,56,56,56	0
56	MG	1A	3604	1/1	0.98	0.08	25,25,25,25	0
56	MG	1A	3492	1/1	0.98	0.05	45,45,45,45	0
56	MG	1A	3606	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	3708	1/1	0.98	0.04	46,46,46,46	0
56	MG	1A	3259	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	3951	1/1	0.98	0.07	50,50,50,50	0
56	MG	2A	3676	1/1	0.98	0.06	45,45,45,45	0
56	MG	1A	3541	1/1	0.98	0.04	51,51,51,51	0
56	MG	1A	3711	1/1	0.98	0.06	25,25,25,25	0
56	MG	1A	3712	1/1	0.98	0.05	42,42,42,42	0
56	MG	1P	201	1/1	0.98	0.11	39,39,39,39	0
57	ZN	24	501	1/1	0.98	0.07	114,114,114,114	0
57	ZN	2n	102	1/1	0.98	0.04	98,98,98,98	0
56	MG	1A	3328	1/1	0.98	0.06	39,39,39,39	0
56	MG	2A	3664	1/1	0.99	0.04	43,43,43,43	0
56	MG	1A	3558	1/1	0.99	0.05	47,47,47,47	0
56	MG	1a	1801	1/1	0.99	0.03	60,60,60,60	0
56	MG	2A	3117	1/1	0.99	0.03	49,49,49,49	0
56	MG	1A	3870	1/1	0.99	0.04	62,62,62,62	0
56	MG	1A	3211	1/1	0.99	0.04	40,40,40,40	0
56	MG	2A	3206	1/1	0.99	0.03	55,55,55,55	0
56	MG	1A	3979	1/1	0.99	0.04	50,50,50,50	0
56	MG	2A	3672	1/1	0.99	0.04	46,46,46,46	0
56	MG	1A	3980	1/1	0.99	0.03	40,40,40,40	0
56	MG	1a	1806	1/1	0.99	0.03	65,65,65,65	0
56	MG	1A	3483	1/1	0.99	0.09	37,37,37,37	0
56	MG	2A	3572	1/1	0.99	0.04	57,57,57,57	0
56	MG	17	104	1/1	0.99	0.03	36,36,36,36	0
56	MG	1A	3983	1/1	0.99	0.08	47,47,47,47	0
56	MG	1A	3186	1/1	0.99	0.06	39,39,39,39	0
56	MG	1a	1811	1/1	0.99	0.04	45,45,45,45	0
56	MG	1A	3165	1/1	0.99	0.03	30,30,30,30	0
56	MG	1A	3637	1/1	0.99	0.08	29,29,29,29	0
56	MG	1A	3876	1/1	0.99	0.07	65,65,65,65	0
56	MG	2A	3131	1/1	0.99	0.11	36,36,36,36	0
56	MG	1a	1815	1/1	0.99	0.03	60,60,60,60	0
56	MG	1A	3563	1/1	0.99	0.13	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3610	1/1	0.99	0.05	32,32,32,32	0
56	MG	1A	3131	1/1	0.99	0.04	33,33,33,33	0
56	MG	1A	3260	1/1	0.99	0.10	36,36,36,36	0
56	MG	1A	3883	1/1	0.99	0.04	34,34,34,34	0
56	MG	1A	3791	1/1	0.99	0.03	56,56,56,56	0
56	MG	1a	1604	1/1	0.99	0.04	48,48,48,48	0
56	MG	1e	201	1/1	0.99	0.27	42,42,42,42	0
56	MG	2a	3154	1/1	0.99	0.03	69,69,69,69	0
56	MG	1A	3994	1/1	0.99	0.04	39,39,39,39	0
56	MG	1A	3834	1/1	0.99	0.03	45,45,45,45	0
56	MG	2A	3696	1/1	0.99	0.05	47,47,47,47	0
56	MG	2A	3495	1/1	0.99	0.04	61,61,61,61	0
56	MG	1A	3177	1/1	0.99	0.07	36,36,36,36	0
56	MG	1a	1744	1/1	0.99	0.19	40,40,40,40	0
56	MG	1U	202	1/1	0.99	0.08	43,43,43,43	0
56	MG	1A	3643	1/1	0.99	0.04	32,32,32,32	0
56	MG	2A	3597	1/1	0.99	0.06	37,37,37,37	0
56	MG	1A	3888	1/1	0.99	0.04	59,59,59,59	0
56	MG	2A	3148	1/1	0.99	0.11	50,50,50,50	0
56	MG	1A	3752	1/1	0.99	0.04	42,42,42,42	0
56	MG	1A	4000	1/1	0.99	0.05	41,41,41,41	0
56	MG	1A	3614	1/1	0.99	0.08	36,36,36,36	0
56	MG	1A	4003	1/1	0.99	0.10	61,61,61,61	0
56	MG	2A	3067	1/1	0.99	0.04	46,46,46,46	0
56	MG	1A	3567	1/1	0.99	0.05	36,36,36,36	0
56	MG	1A	3489	1/1	0.99	0.06	58,58,58,58	0
56	MG	1A	3680	1/1	0.99	0.05	22,22,22,22	0
56	MG	1A	3894	1/1	0.99	0.03	56,56,56,56	0
56	MG	1A	3617	1/1	0.99	0.08	27,27,27,27	0
56	MG	1A	4009	1/1	0.99	0.04	26,26,26,26	0
56	MG	1A	4010	1/1	0.99	0.03	49,49,49,49	0
56	MG	1A	3008	1/1	0.99	0.02	34,34,34,34	0
56	MG	2A	3718	1/1	0.99	0.04	79,79,79,79	0
56	MG	1A	3649	1/1	0.99	0.08	31,31,31,31	0
56	MG	1a	1761	1/1	0.99	0.04	47,47,47,47	0
56	MG	1A	3158	1/1	0.99	0.12	39,39,39,39	0
56	MG	1A	3948	1/1	0.99	0.10	25,25,25,25	0
56	MG	1A	3949	1/1	0.99	0.04	55,55,55,55	0
56	MG	2A	3520	1/1	0.99	0.08	44,44,44,44	0
56	MG	2A	3521	1/1	0.99	0.05	52,52,52,52	0
56	MG	2A	3620	1/1	0.99	0.06	48,48,48,48	0
56	MG	2A	3522	1/1	0.99	0.09	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3254	1/1	0.99	0.11	42,42,42,42	0
56	MG	1A	3456	1/1	0.99	0.08	40,40,40,40	0
56	MG	1A	3572	1/1	0.99	0.08	34,34,34,34	0
56	MG	1A	3952	1/1	0.99	0.03	40,40,40,40	0
56	MG	1a	1768	1/1	0.99	0.03	39,39,39,39	0
56	MG	1A	3111	1/1	0.99	0.09	35,35,35,35	0
56	MG	1A	3623	1/1	0.99	0.06	21,21,21,21	0
56	MG	2A	3629	1/1	0.99	0.05	56,56,56,56	0
56	MG	1a	1772	1/1	0.99	0.06	52,52,52,52	0
56	MG	1A	3689	1/1	0.99	0.03	45,45,45,45	0
56	MG	1A	3205	1/1	0.99	0.10	32,32,32,32	0
56	MG	1A	3852	1/1	0.99	0.05	36,36,36,36	0
56	MG	1a	1776	1/1	0.99	0.05	56,56,56,56	0
56	MG	1A	3958	1/1	0.99	0.03	38,38,38,38	0
56	MG	1A	3625	1/1	0.99	0.05	34,34,34,34	0
56	MG	1A	3112	1/1	0.99	0.06	51,51,51,51	0
56	MG	1A	3069	1/1	0.99	0.02	28,28,28,28	0
56	MG	1a	1781	1/1	0.99	0.05	49,49,49,49	0
56	MG	2A	3746	1/1	0.99	0.07	33,33,33,33	0
56	MG	1A	3771	1/1	0.99	0.11	40,40,40,40	0
56	MG	2A	3748	1/1	0.99	0.05	47,47,47,47	0
56	MG	2A	3749	1/1	0.99	0.06	42,42,42,42	0
56	MG	2A	3750	1/1	0.99	0.03	54,54,54,54	0
56	MG	1A	3963	1/1	0.99	0.03	41,41,41,41	0
56	MG	1A	3910	1/1	0.99	0.07	19,19,19,19	0
56	MG	2A	3543	1/1	0.99	0.06	35,35,35,35	0
56	MG	1A	3082	1/1	0.99	0.04	39,39,39,39	0
56	MG	1A	3966	1/1	0.99	0.04	46,46,46,46	0
56	MG	1A	4033	1/1	0.99	0.06	34,34,34,34	0
56	MG	2A	3757	1/1	0.99	0.04	59,59,59,59	0
56	MG	1A	3695	1/1	0.99	0.04	44,44,44,44	0
56	MG	2A	3759	1/1	0.99	0.05	33,33,33,33	0
56	MG	1a	1789	1/1	0.99	0.04	61,61,61,61	0
56	MG	2A	3549	1/1	0.99	0.03	35,35,35,35	0
56	MG	1A	3103	1/1	0.99	0.15	42,42,42,42	0
56	MG	2A	3551	1/1	0.99	0.04	41,41,41,41	0
56	MG	2A	3552	1/1	0.99	0.02	50,50,50,50	0
56	MG	1A	3013	1/1	0.99	0.07	41,41,41,41	0
56	MG	1A	3698	1/1	0.99	0.05	35,35,35,35	0
56	MG	1A	3225	1/1	0.99	0.04	49,49,49,49	0
56	MG	1A	3972	1/1	0.99	0.05	64,64,64,64	0
56	MG	2A	3657	1/1	0.99	0.04	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3778	1/1	0.99	0.07	38,38,38,38	0
56	MG	1A	3700	1/1	0.99	0.03	55,55,55,55	0
56	MG	1a	1797	1/1	0.99	0.03	58,58,58,58	0
57	ZN	14	501	1/1	0.99	0.05	90,90,90,90	0
57	ZN	16	103	1/1	0.99	0.02	41,41,41,41	0
56	MG	1A	3701	1/1	0.99	0.03	39,39,39,39	0
57	ZN	26	102	1/1	0.99	0.06	62,62,62,62	0
57	ZN	29	501	1/1	0.99	0.03	72,72,72,72	0
56	MG	2A	3662	1/1	0.99	0.10	51,51,51,51	0
58	SF4	1d	501	8/8	0.99	0.03	64,70,81,85	0
58	SF4	2d	302	8/8	0.99	0.03	63,75,80,93	0
56	MG	1a	1799	1/1	0.99	0.04	66,66,66,66	0
56	MG	1A	3858	1/1	1.00	0.04	27,27,27,27	0
56	MG	1a	1769	1/1	1.00	0.05	30,30,30,30	0
56	MG	1A	3859	1/1	1.00	0.02	36,36,36,36	0
56	MG	1B	224	1/1	1.00	0.02	48,48,48,48	0
56	MG	1A	3753	1/1	1.00	0.03	31,31,31,31	0
56	MG	1A	3878	1/1	1.00	0.05	43,43,43,43	0
56	MG	1A	4002	1/1	1.00	0.03	47,47,47,47	0
57	ZN	1Y	202	1/1	1.00	0.02	65,65,65,65	0
56	MG	1V	202	1/1	1.00	0.02	41,41,41,41	0
57	ZN	15	108	1/1	1.00	0.01	40,40,40,40	0
56	MG	1A	3869	1/1	1.00	0.02	43,43,43,43	0
57	ZN	19	103	1/1	1.00	0.01	44,44,44,44	0
57	ZN	1n	103	1/1	1.00	0.02	70,70,70,70	0
57	ZN	2Y	202	1/1	1.00	0.02	79,79,79,79	0
56	MG	1A	3670	1/1	1.00	0.05	25,25,25,25	0
57	ZN	25	105	1/1	1.00	0.04	58,58,58,58	0
56	MG	1A	3742	1/1	1.00	0.09	32,32,32,32	0
56	MG	1A	3981	1/1	1.00	0.03	40,40,40,40	0
56	MG	1A	3882	1/1	1.00	0.06	20,20,20,20	0
56	MG	1A	3831	1/1	1.00	0.05	33,33,33,33	0
56	MG	1A	3679	1/1	1.00	0.05	31,31,31,31	0
56	MG	1A	3148	1/1	1.00	0.04	45,45,45,45	0

6.5 Other polymers ⓘ

There are no such residues in this entry.