



wwPDB X-ray Structure Validation Summary Report ⓘ

Sep 16, 2020 – 05:04 PM BST

PDB ID : 5FDU
Title : Crystal structure of the Metalnikowin I antimicrobial peptide bound to the *Thermus thermophilus* 70S ribosome
Authors : Seefeldt, A.C.; Graf, M.; Perebaskine, N.; Nguyen, F.; Arenz, S.; Mardirossian, M.; Scocchi, M.; Wilson, D.N.; Innis, C.A.
Deposited on : 2015-12-16
Resolution : 2.90 Å(reported)

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

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

MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.14.3.dev2
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.14.3.dev2

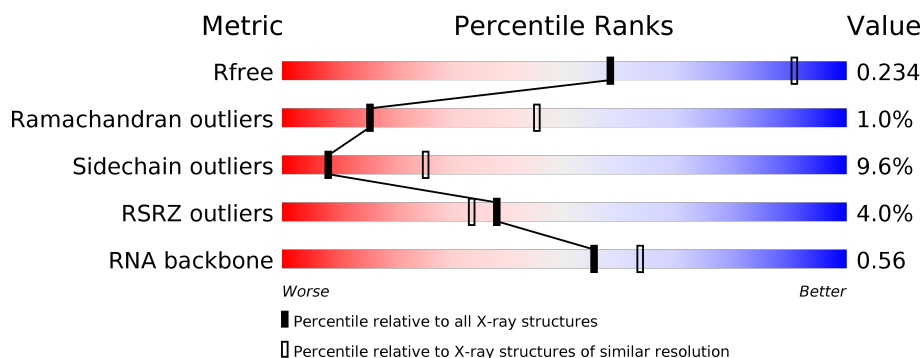
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.90 Å.

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

















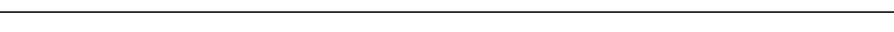
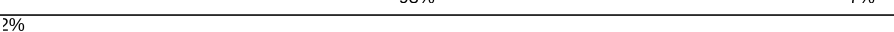
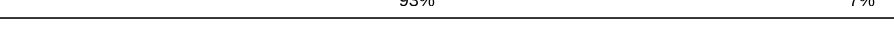
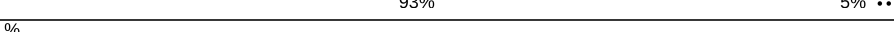
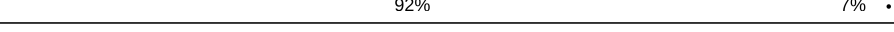





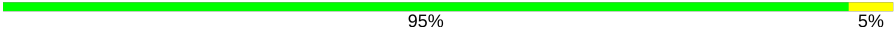
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1957 (2.90-2.90)
Ramachandran outliers	138981	2115 (2.90-2.90)
Sidechain outliers	138945	2117 (2.90-2.90)
RSRZ outliers	127900	1906 (2.90-2.90)
RNA backbone	3102	1007 (3.16-2.64)

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

Mol	Chain	Length	Quality of chain
1	1A	2915	<div> <div>5%</div> <div>31% 58% 10%</div> </div>
1	2A	2915	<div> <div>5%</div> <div>52% 39% 8%</div> </div>
2	1B	120	<div> <div>44% 53%</div> </div>
2	2B	120	<div> <div>68% 28%</div> </div>
3	1D	275	<div> <div>89% 9%</div> </div>
3	2D	275	<div> <div>92% 7%</div> </div>

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Mol	Chain	Length	Quality of chain
4	1E	204	 89% 10% .
4	2E	204	 89% 11%
5	1F	203	 85% 14%
5	2F	203	 91% 9%
6	1G	181	 % 88% 10% .
6	2G	181	 7% 93% 6% .
7	1H	174	 % 93% 7%
7	2H	174	 16% 87% 13% .
8	1I	147	 88% 12% .
8	2I	147	 5% 88% 10% ..
9	1N	140	 89% 11%
9	2N	140	 % 91% 9%
10	1O	122	 90% 9% .
10	2O	122	 94% 6%
11	1P	149	 93% 7%
11	2P	149	 2% 93% 7%
12	1Q	141	 93% 5% ..
12	2Q	141	 % 92% 7% .
13	1R	118	 86% 14% .
13	2R	118	 86% 13% .
14	1S	110	 90% 8% ..
14	2S	110	 5% 90% 10%
15	1T	131	 % 92% 8%
15	2T	131	 95% 5%
16	1U	116	 84% 14% .

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Mol	Chain	Length	Quality of chain
16	2U	116	
17	1V	101	
17	2V	101	
18	1W	112	
18	2W	112	
19	1X	95	
19	2X	95	
20	1Y	107	
20	2Y	107	
21	1Z	203	
21	2Z	203	
22	10	77	
22	20	77	
23	11	97	
23	21	97	
24	12	70	
24	22	70	
25	13	59	
25	23	59	
26	14	69	
26	24	69	
27	15	59	
27	25	59	
28	16	53	
28	26	53	

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Mol	Chain	Length	Quality of chain
29	17	48	
29	27	48	
30	18	64	
30	28	64	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	231	
33	2b	231	
34	1c	206	
34	2c	206	
35	1d	208	
35	2d	208	
36	1e	148	
36	2e	148	
37	1f	100	
37	2f	100	
38	1g	155	
38	2g	155	
39	1h	137	
39	2h	137	
40	1i	127	
40	2i	127	
41	1j	97	



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Mol	Chain	Length	Quality of chain
41	2j	97	
42	1k	114	
42	2k	114	
43	1l	122	
43	2l	122	
44	1m	116	
44	2m	116	
45	1n	60	
45	2n	60	
46	1o	88	
46	2o	88	
47	1p	82	
47	2p	82	
48	1q	99	
48	2q	99	
49	1r	68	
49	2r	68	
50	1s	83	
50	2s	83	
51	1t	98	
51	2t	98	
52	1u	23	
52	2u	23	
53	1x	97	
53	2x	97	

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Mol	Chain	Length	Quality of chain
54	1y	10	
54	2y	10	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	18	3301	-	-	-	X
55	MG	1A	3071	-	-	-	X
55	MG	1A	3077	-	-	-	X
55	MG	1A	3084	-	-	-	X
55	MG	1A	3095	-	-	-	X
55	MG	1A	3106	-	-	-	X
55	MG	1A	3143	-	-	-	X
55	MG	1A	3173	-	-	-	X
55	MG	1A	3183	-	-	-	X
55	MG	1A	3193	-	-	-	X
55	MG	1A	3204	-	-	-	X
55	MG	1A	3220	-	-	-	X
55	MG	1A	3244	-	-	-	X
55	MG	1A	3396	-	-	-	X
55	MG	1A	3516	-	-	-	X
55	MG	1A	3611	-	-	-	X
55	MG	1A	3702	-	-	-	X
55	MG	1A	3725	-	-	-	X
55	MG	1A	3734	-	-	-	X
55	MG	1A	3758	-	-	-	X
55	MG	1A	3848	-	-	-	X
55	MG	1A	3895	-	-	-	X
55	MG	1A	3905	-	-	-	X
55	MG	1A	3913	-	-	-	X
55	MG	1A	3914	-	-	-	X
55	MG	1Q	204	-	-	-	X
55	MG	1V	201	-	-	-	X
55	MG	1a	3022	-	-	-	X
55	MG	1a	3038	-	-	-	X
55	MG	1a	3058	-	-	-	X
55	MG	1a	3063	-	-	-	X
55	MG	1a	3161	-	-	-	X
55	MG	1h	3001	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	27	103	-	-	-	X
55	MG	28	101	-	-	-	X
55	MG	28	102	-	-	-	X
55	MG	2A	3047	-	-	-	X
55	MG	2A	3058	-	-	-	X
55	MG	2A	3074	-	-	-	X
55	MG	2A	3080	-	-	-	X
55	MG	2A	3090	-	-	-	X
55	MG	2A	3091	-	-	-	X
55	MG	2A	3109	-	-	-	X
55	MG	2A	3129	-	-	-	X
55	MG	2A	3136	-	-	-	X
55	MG	2A	3138	-	-	-	X
55	MG	2A	3142	-	-	-	X
55	MG	2A	3150	-	-	-	X
55	MG	2A	3154	-	-	-	X
55	MG	2A	3155	-	-	-	X
55	MG	2A	3163	-	-	-	X
55	MG	2A	3192	-	-	-	X
55	MG	2A	3257	-	-	-	X
55	MG	2A	3375	-	-	-	X
55	MG	2A	3455	-	-	-	X
55	MG	2A	3476	-	-	-	X
55	MG	2A	3485	-	-	-	X
55	MG	2A	3507	-	-	-	X
55	MG	2A	3553	-	-	-	X
55	MG	2A	3555	-	-	-	X
55	MG	2A	3563	-	-	-	X
55	MG	2A	3582	-	-	-	X
55	MG	2A	3643	-	-	-	X
55	MG	2A	3762	-	-	-	X
55	MG	2A	3765	-	-	-	X
55	MG	2A	3792	-	-	-	X
55	MG	2A	3813	-	-	-	X
55	MG	2D	302	-	-	-	X
55	MG	2H	201	-	-	-	X
55	MG	2P	202	-	-	-	X
55	MG	2Q	8004	-	-	-	X
55	MG	2X	102	-	-	-	X
55	MG	2a	1609	-	-	-	X
55	MG	2a	1614	-	-	-	X
55	MG	2a	1631	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	2a	1636	-	-	-	X
55	MG	2a	1637	-	-	-	X
55	MG	2a	1653	-	-	-	X
55	MG	2a	1656	-	-	-	X
55	MG	2a	1710	-	-	-	X
55	MG	2a	1734	-	-	-	X
55	MG	2a	1742	-	-	-	X
55	MG	2n	502	-	-	-	X

2 Entry composition

There are 59 unique types of molecules in this entry. The entry contains 293484 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	2872	Total	C	N	O	P	0	0	0
			61862	27535	11569	19886	2872			
1	2A	2867	Total	C	N	O	P	0	0	0
			61751	27486	11547	19852	2866			

- 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
			2575	1145	476	834	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2571	1146	476	831	118			

- 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
			2131	1346	422	360	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
			1574	1004	294	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
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	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	173	Total	C	N	O	S	0	0	0
			1324	842	247	234	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1076	687	186	202	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
			1121	722	208	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
			877	553	175	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
			775	498	141	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
			880	554	171	153	2			
18	2W	112	Total	C	N	O	S	0	0	0
			877	553	171	151	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
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	2Z	201	Total	C	N	O	S	0	0	0
			1557	995	274	286	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			
22	20	77	Total	C	N	O	S	0	0	0
			608	375	129	103	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
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			759	478	149	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
			592	368	119	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
			546	346	96	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			536	342	98	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
			459	288	90	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	1504	Total	C	N	O	P	0	0	0
			32331	14396	5990	10441	1504			

- 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
			1842	1175	330	332	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
			1558	979	305	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
			1665	1043	329	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1668	1047	330	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
			1133	716	214	199	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
			814	516	144	151	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
			1235	769	244	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1229	766	241	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
			1098	694	210	192	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
			986	625	193	168			
40	2i	126	Total	C	N	O	0	0	0
			966	613	186	167			

- 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
			719	446	142	131			
41	2j	96	Total	C	N	O	0	0	0
			710	442	137	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
			834	520	156	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	116	Total	C	N	O	S	0	0	0
			914	564	189	159	2			
44	2m	114	Total	C	N	O	S	0	0	0
			895	550	186	157	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
			648	415	120	111	2			
50	2s	83	Total	C	N	O	S	0	0	0
			645	410	118	115	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
			732	449	157	124	2			
51	2t	98	Total	C	N	O	S	0	0	0
			733	451	154	126	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 protein called Ribosome-associated inhibitor A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1x	97	Total	C	N	O	S	0	0	0
			764	478	144	139	3			
53	2x	96	Total	C	N	O	S	0	0	0
			749	468	141	137	3			

- Molecule 54 is a protein called Metalnikowin I.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
54	1y	10	Total	C	N	O	0	0	0
			87	55	17	15			
54	2y	10	Total	C	N	O	0	0	0
			87	55	17	15			

- Molecule 55 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2E	7	Total	Mg	0	0
			7	7		
55	17	5	Total	Mg	0	0
			5	5		
55	2d	4	Total	Mg	0	0
			4	4		
55	1T	1	Total	Mg	0	0
			1	1		
55	1N	3	Total	Mg	0	0
			3	3		
55	20	6	Total	Mg	0	0
			6	6		
55	18	3	Total	Mg	0	0
			3	3		
55	1o	1	Total	Mg	0	0
			1	1		
55	2W	1	Total	Mg	0	0
			1	1		
55	1Y	1	Total	Mg	0	0
			1	1		
55	13	2	Total	Mg	0	0
			2	2		
55	1f	1	Total	Mg	0	0
			1	1		
55	2h	1	Total	Mg	0	0
			1	1		
55	1P	4	Total	Mg	0	0
			4	4		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2B	18	Total 18	Mg 18	0	0
55	2a	196	Total 196	Mg 196	0	0
55	1k	1	Total 1	Mg 1	0	0
55	1E	8	Total 8	Mg 8	0	0
55	1b	1	Total 1	Mg 1	0	0
55	2l	1	Total 1	Mg 1	0	0
55	2F	10	Total 10	Mg 10	0	0
55	28	3	Total 3	Mg 3	0	0
55	2e	2	Total 2	Mg 2	0	0
55	1W	3	Total 3	Mg 3	0	0
55	1A	917	Total 917	Mg 917	0	0
55	1t	1	Total 1	Mg 1	0	0
55	1n	1	Total 1	Mg 1	0	0
55	2P	2	Total 2	Mg 2	0	0
55	1X	1	Total 1	Mg 1	0	0
55	1S	1	Total 1	Mg 1	0	0
55	25	3	Total 3	Mg 3	0	0
55	2b	1	Total 1	Mg 1	0	0
55	2T	1	Total 1	Mg 1	0	0
55	1D	18	Total 18	Mg 18	0	0
55	2N	1	Total 1	Mg 1	0	0

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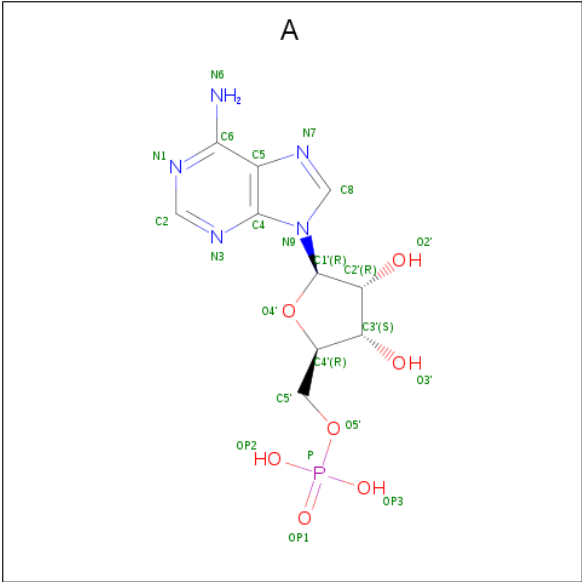
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1e	2	Total 2	Mg 2	0	0
55	2m	1	Total 1	Mg 1	0	0
55	2G	3	Total 3	Mg 3	0	0
55	2f	1	Total 1	Mg 1	0	0
55	1V	3	Total 3	Mg 3	0	0
55	2X	3	Total 3	Mg 3	0	0
55	1a	223	Total 223	Mg 223	0	0
55	2Q	5	Total 5	Mg 5	0	0
55	15	6	Total 6	Mg 6	0	0
55	1R	5	Total 5	Mg 5	0	0
55	1m	1	Total 1	Mg 1	0	0
55	2U	4	Total 4	Mg 4	0	0
55	1G	3	Total 3	Mg 3	0	0
55	11	3	Total 3	Mg 3	0	0
55	1d	5	Total 5	Mg 5	0	0
55	2n	2	Total 2	Mg 2	0	0
55	1H	2	Total 2	Mg 2	0	0
55	21	2	Total 2	Mg 2	0	0
55	2g	1	Total 1	Mg 1	0	0
55	23	1	Total 1	Mg 1	0	0
55	2R	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2D	11	Total 11	Mg 11	0	0
55	1U	7	Total 7	Mg 7	0	0
55	27	4	Total 4	Mg 4	0	0
55	19	2	Total 2	Mg 2	0	0
55	1l	1	Total 1	Mg 1	0	0
55	2V	5	Total 5	Mg 5	0	0
55	1F	16	Total 16	Mg 16	0	0
55	2H	1	Total 1	Mg 1	0	0
55	10	8	Total 8	Mg 8	0	0
55	1g	1	Total 1	Mg 1	0	0
55	2o	1	Total 1	Mg 1	0	0
55	1Q	5	Total 5	Mg 5	0	0
55	2A	821	Total 821	Mg 821	0	0
55	1h	2	Total 2	Mg 2	0	0
55	1B	24	Total 24	Mg 24	0	0
55	2S	1	Total 1	Mg 1	0	0

- Molecule 56 is ADENOSINE-5'-MONOPHOSPHATE (three-letter code: A) (formula: $C_{10}H_{14}N_5O_7P$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1B	1	Total C 1 1	0	0
56	2A	1	Total P 1 1	0	0

- Molecule 57 is ZINC ION (three-letter code: ZN) (formula: Zn).

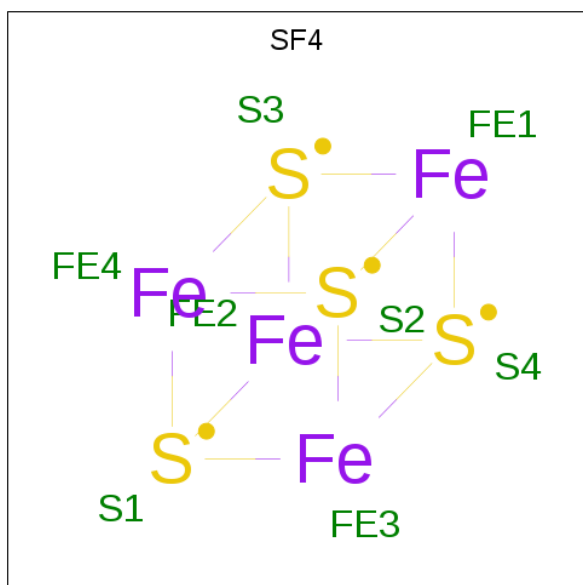
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1Y	1	Total Zn 1 1	0	0
57	14	1	Total Zn 1 1	0	0
57	1n	1	Total Zn 1 1	0	0
57	15	1	Total Zn 1 1	0	0
57	29	1	Total Zn 1 1	0	0
57	19	1	Total Zn 1 1	0	0
57	26	1	Total Zn 1 1	0	0
57	25	1	Total Zn 1 1	0	0
57	24	1	Total Zn 1 1	0	0
57	2n	1	Total Zn 1 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2Y	1	Total	Zn	0	0
			1	1		
57	16	1	Total	Zn	0	0
			1	1		

- Molecule 58 is IRON/SULFUR CLUSTER (three-letter code: 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 water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1A	1740	Total	O	0	0
			1740	1740		
59	1B	42	Total	O	0	0
			42	42		
59	1D	14	Total	O	0	0
			14	14		
59	1E	18	Total	O	0	0
			18	18		
59	1F	11	Total	O	0	0
			11	11		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1G	2	Total	O	0	0
			2	2		
59	1H	3	Total	O	0	0
			3	3		
59	1N	9	Total	O	0	0
			9	9		
59	1P	13	Total	O	0	0
			13	13		
59	1Q	5	Total	O	0	0
			5	5		
59	1R	3	Total	O	0	0
			3	3		
59	1T	5	Total	O	0	0
			5	5		
59	1U	6	Total	O	0	0
			6	6		
59	1V	4	Total	O	0	0
			4	4		
59	1W	2	Total	O	0	0
			2	2		
59	1X	1	Total	O	0	0
			1	1		
59	1Y	5	Total	O	0	0
			5	5		
59	10	4	Total	O	0	0
			4	4		
59	11	2	Total	O	0	0
			2	2		
59	13	1	Total	O	0	0
			1	1		
59	15	2	Total	O	0	0
			2	2		
59	16	3	Total	O	0	0
			3	3		
59	17	1	Total	O	0	0
			1	1		
59	18	7	Total	O	0	0
			7	7		
59	19	2	Total	O	0	0
			2	2		
59	1a	393	Total	O	0	0
			393	393		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1d	10	Total 10	O 10	0	0
59	1e	3	Total 3	O 3	0	0
59	1f	1	Total 1	O 1	0	0
59	1h	1	Total 1	O 1	0	0
59	1j	1	Total 1	O 1	0	0
59	1l	3	Total 3	O 3	0	0
59	1m	2	Total 2	O 2	0	0
59	1n	1	Total 1	O 1	0	0
59	1o	1	Total 1	O 1	0	0
59	1t	2	Total 2	O 2	0	0
59	2A	1666	Total 1666	O 1666	0	0
59	2B	35	Total 35	O 35	0	0
59	2D	12	Total 12	O 12	0	0
59	2E	17	Total 17	O 17	0	0
59	2F	11	Total 11	O 11	0	0
59	2G	2	Total 2	O 2	0	0
59	2H	3	Total 3	O 3	0	0
59	2N	1	Total 1	O 1	0	0
59	2P	9	Total 9	O 9	0	0
59	2Q	5	Total 5	O 5	0	0
59	2R	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	2T	3	Total 3	O 3	0	0
59	2U	2	Total 2	O 2	0	0
59	2V	2	Total 2	O 2	0	0
59	2W	2	Total 2	O 2	0	0
59	2X	6	Total 6	O 6	0	0
59	2Y	3	Total 3	O 3	0	0
59	20	6	Total 6	O 6	0	0
59	21	3	Total 3	O 3	0	0
59	23	1	Total 1	O 1	0	0
59	25	2	Total 2	O 2	0	0
59	26	2	Total 2	O 2	0	0
59	27	1	Total 1	O 1	0	0
59	28	5	Total 5	O 5	0	0
59	29	1	Total 1	O 1	0	0
59	2a	384	Total 384	O 384	0	0
59	2c	1	Total 1	O 1	0	0
59	2d	7	Total 7	O 7	0	0
59	2e	4	Total 4	O 4	0	0
59	2f	1	Total 1	O 1	0	0
59	2h	1	Total 1	O 1	0	0
59	2j	1	Total 1	O 1	0	0

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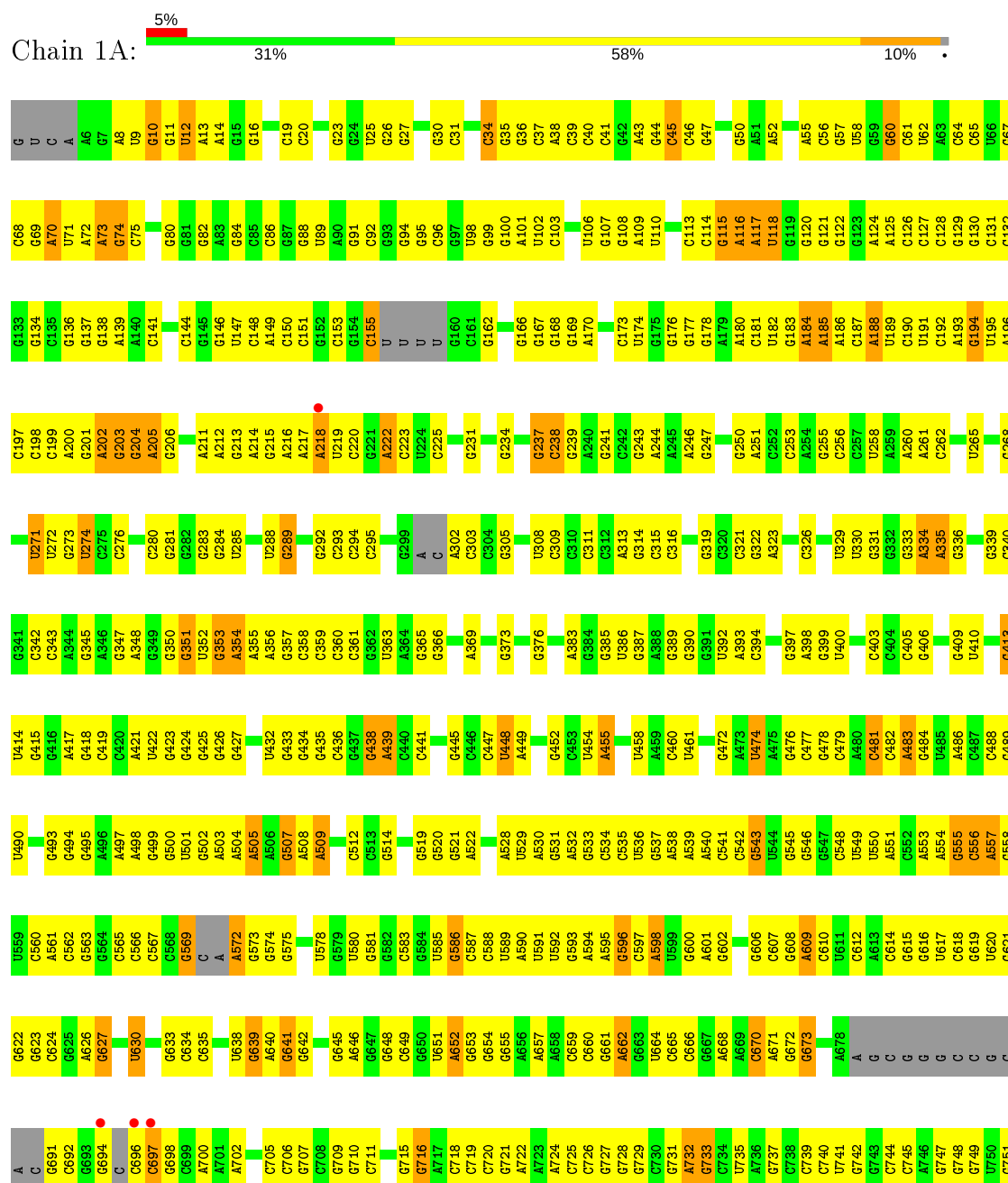
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	2l	3	Total 3	O 3	0	0
59	2m	3	Total 3	O 3	0	0
59	2o	1	Total 1	O 1	0	0
59	2p	1	Total 1	O 1	0	0
59	2t	1	Total 1	O 1	0	0

3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

• Molecule 1: 23S ribosomal RNA



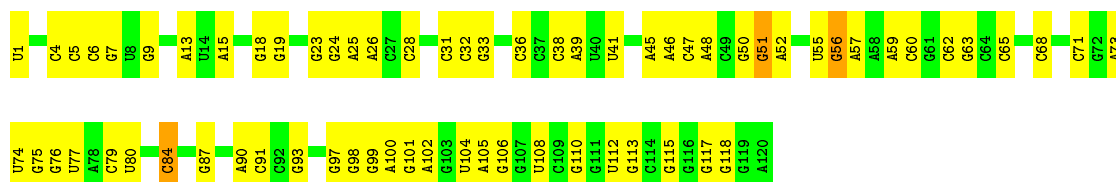


C2532	A2465	G2403	G2341	C2275	G2208	A2148	G2078	G2014	C1947	G1876	C1813	U1735	C1671
C2533	G2466	A2404	G2342	C2276	G2209	C2150	A2079	U2015	G1948	G1877	C1814	U1736	G1672
U2534	C2467	A2405	G2343	U2277	C2210	C2151	A2080	C2016	A1949	A1878	A1815	U1739	G1673
G2535	C2468	C2406	U2344	A2278	U2211	U2152	A2081	C2017	A1950	A1879	A1816	U1740	G1674
G2536	U2469	C2407	A2345	A2279	G2212	U2153	A2082	C2018	G1951	G1880	A1817	C1741	U1675
G2537	C2470	G2408	G2346	A2280	G2213	G2153	G2083	G2019	G1952	G1881	A1818	G1742	
C2538	A2471	C2409	A2347	C2281	G2214	C2154	C2084		C1956	U1882	C1819	G1743	A1678
C2539	U2472	U2410	A2348	G2282	G2215	C2155	C2085	G2022	C1957	C1883	C1820	A1679	A1680
G2540	C2473	G2411		G2283	G2216	A2156	C2086	A2023	G1958	A1884	C1821	A1747	G1680
G2541	C2474	G2412		U2284	C2217	A2157	C2087	G2024	A1958	A1885	C1822	A1748	G1681
C2475	C2476		G2351	A2285		C2158	C2088	G2025	A1959		G1823	G1749	G1682
C2476	C2477		G2352	A2286	A2220	G2159		G2026	A1960	G1889	C1824	C1749	C1683
C2477	C2478		G2353	A2287	A2221	C2160	G2091	A2027	U1961	A1890	U1825	G1750	A1684
C2478	C2479		C2354	C2287	C2222	C2161	A2092	C2028	U1962	G1891	C1826	C1753	G1685
C2479	C2480		C2355	G2288		C2162	A2093	C2029		G1892	U1827	U1753	U1686
C2480	C2481		U2356	C2289	C2227	C2163	G2094	C2030	U1965	G1893	G1828	G1754	G1687
C2481	U2480		C2357	A2290	G2228	C2164	A2095	G2031	U1966	G1894	U1829	C1755	A1688
C2482	A2481		C2358	G2291	C2229	C2165	U2096	G2032		U1895	G1830	U1756	G1689
C2483	G2482		C2359	C2292	A2229	C2166		G2033	C1969	C1896	C1831	C1757	G1690
C2484	C2483		U2360	G2293	G2234	C2167	A2099	U2034	G1970	C1897	G1832	C1758	C1691
C2485	C2484		C2361	C2294	C2240	C2168	C2100	G2035		A1898	A1833	C1759	G1692
C2486	U2485		G2362	C2295	G2236	C2169	U2101	A2037	U1973	A1899	A1834	G1766	G1693
C2487	C2486		C2363	C2296	G2237	C2170	G2102		A1974	G1900	C1835	U1767	G1694
C2488	C2487		C2364	C2297	A2237	C2171	G2103	A2041	A1975	C1901	U1836	U1768	C1695
	U2488		G2365	A2298	C2238	C2172		C2046	G1976	C1902	C1837	G1769	C1696
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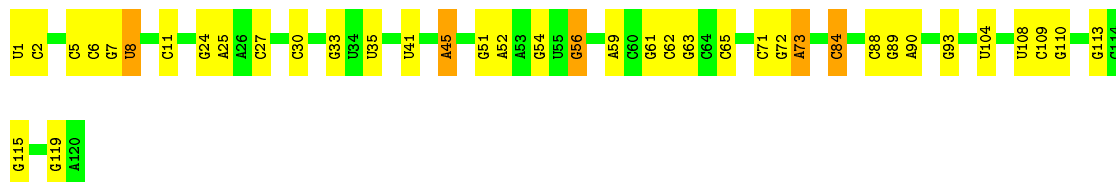






- Molecule 2: 5S ribosomal RNA

Chain 2B: 68% 28% .



- Molecule 3: 50S ribosomal protein L2

Chain 1D: 89% 9% .



- Molecule 3: 50S ribosomal protein L2

Chain 2D: 92% 7% .



- Molecule 4: 50S ribosomal protein L3

Chain 1E: 89% 10% .



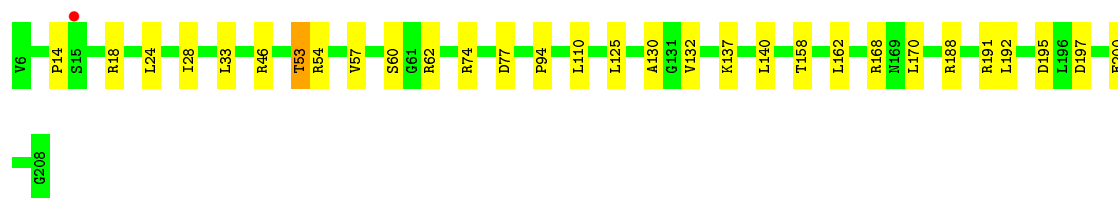
- Molecule 4: 50S ribosomal protein L3

Chain 2E: 89% 11% .



- Molecule 5: 50S ribosomal protein L4

Chain 1F: 85% 14% .



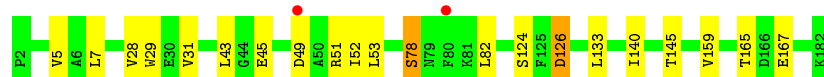
- Molecule 5: 50S ribosomal protein L4

Chain 2F: 91% 9%



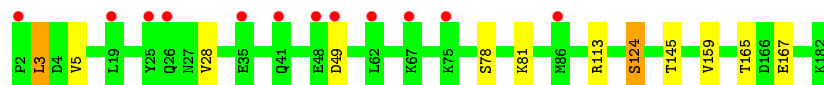
- Molecule 6: 50S ribosomal protein L5

Chain 1G: 88% 10% 2%



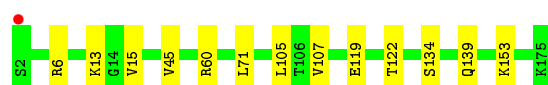
- Molecule 6: 50S ribosomal protein L5

Chain 2G: 93% 6% 7%



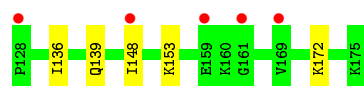
- Molecule 7: 50S ribosomal protein L6

Chain 1H: 93% 7% 2%



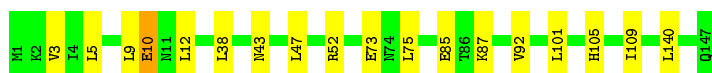
- Molecule 7: 50S ribosomal protein L6

Chain 2H: 87% 13% 16%

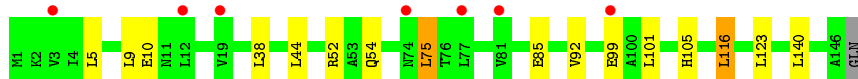
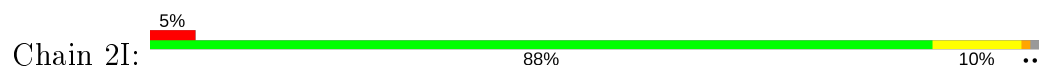


- Molecule 8: 50S ribosomal protein L9

Chain 1I: 88% 12% 2%



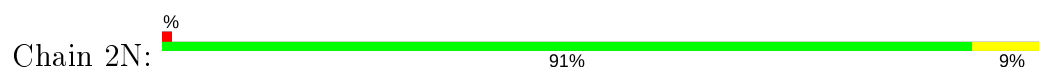
- Molecule 8: 50S ribosomal protein L9



- Molecule 9: 50S ribosomal protein L13



- Molecule 9: 50S ribosomal protein L13



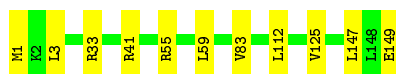
- Molecule 10: 50S ribosomal protein L14



- Molecule 10: 50S ribosomal protein L14



- Molecule 11: 50S ribosomal protein L15



- Molecule 11: 50S ribosomal protein L15

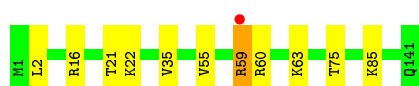
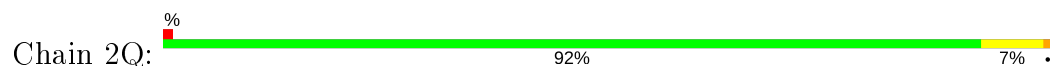




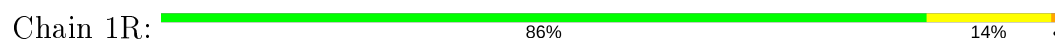
- Molecule 12: 50S ribosomal protein L16



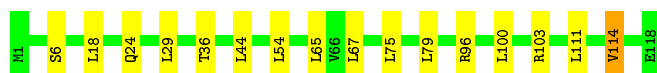
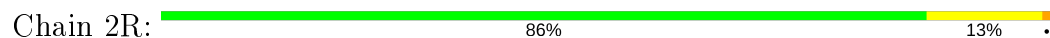
- Molecule 12: 50S ribosomal protein L16



- Molecule 13: 50S ribosomal protein L17



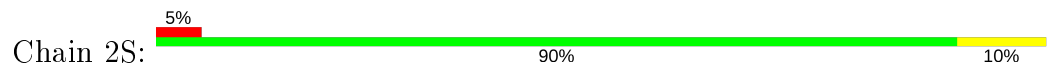
- Molecule 13: 50S ribosomal protein L17



- Molecule 14: 50S ribosomal protein L18

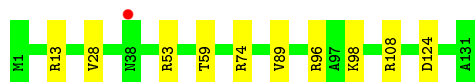


- Molecule 14: 50S ribosomal protein L18



- Molecule 15: 50S ribosomal protein L19

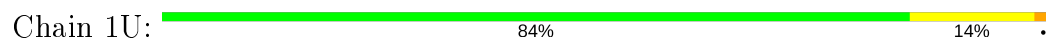




- Molecule 15: 50S ribosomal protein L19



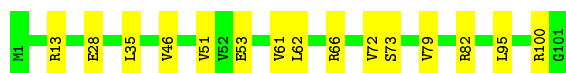
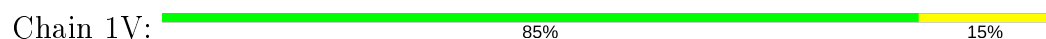
- Molecule 16: 50S ribosomal protein L20



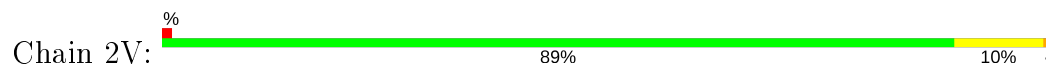
- Molecule 16: 50S ribosomal protein L20



- Molecule 17: 50S ribosomal protein L21



- Molecule 17: 50S ribosomal protein L21



- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22





- Molecule 19: 50S ribosomal protein L23

Chain 1X: 92% 8%



- Molecule 19: 50S ribosomal protein L23

Chain 2X: 97% ..



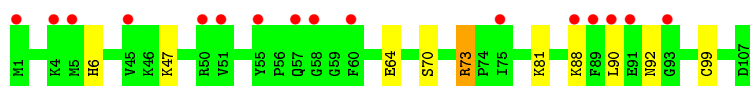
- Molecule 20: 50S ribosomal protein L24

Chain 1Y: 91% 9%



- Molecule 20: 50S ribosomal protein L24

Chain 2Y: 15% 91% 8% .



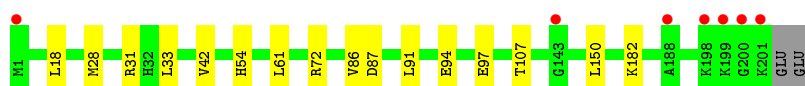
- Molecule 21: 50S ribosomal protein L25

Chain 1Z: 89% 11%

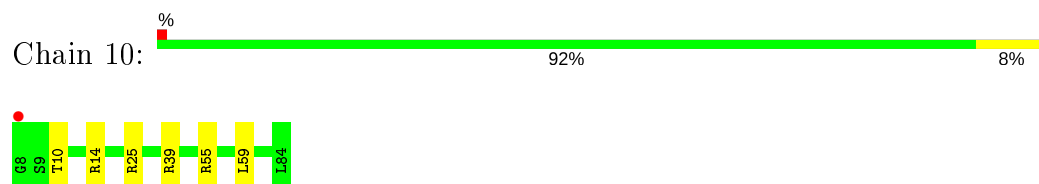


- Molecule 21: 50S ribosomal protein L25

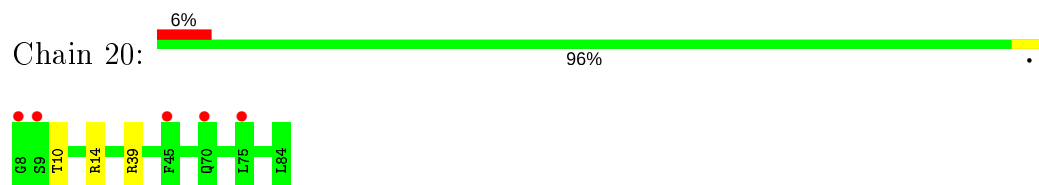
Chain 2Z: 3% 91% 8% .



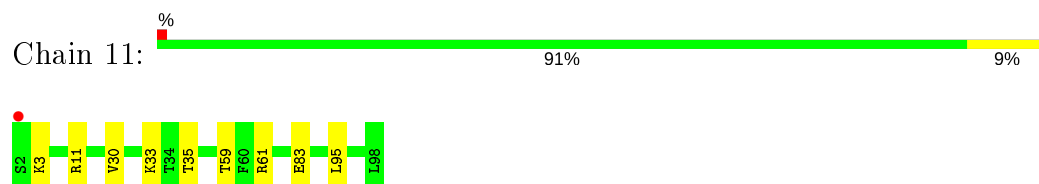
- Molecule 22: 50S ribosomal protein L27



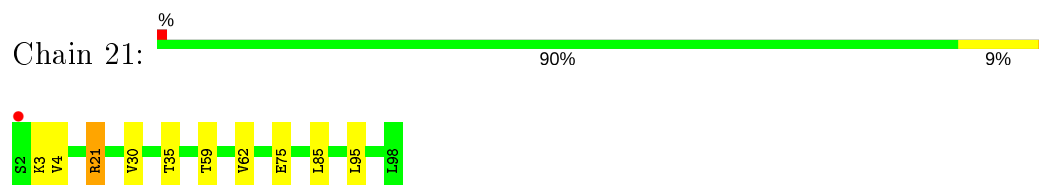
- Molecule 22: 50S ribosomal protein L27



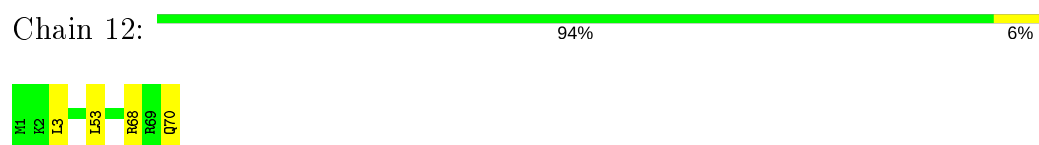
- Molecule 23: 50S ribosomal protein L28



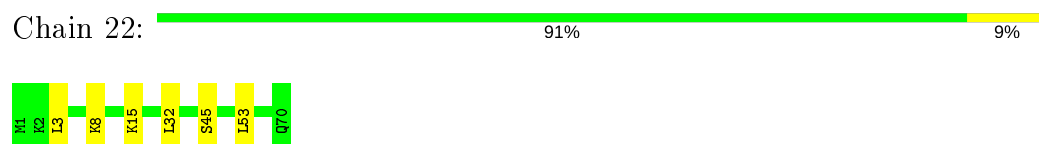
- Molecule 23: 50S ribosomal protein L28



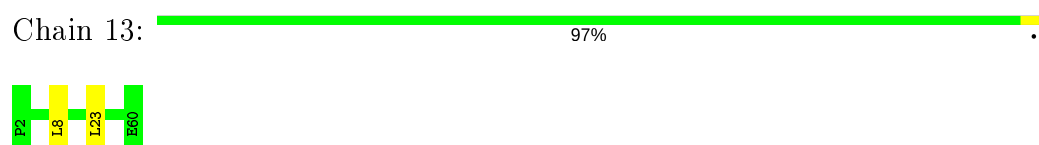
- Molecule 24: 50S ribosomal protein L29



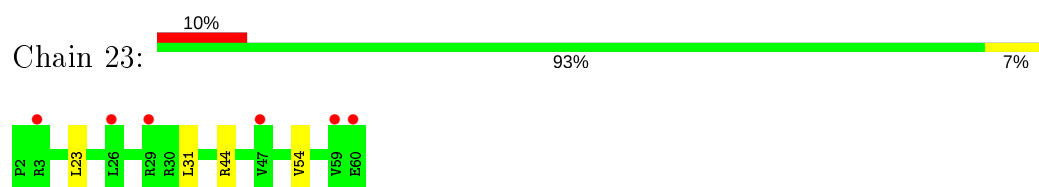
- Molecule 24: 50S ribosomal protein L29



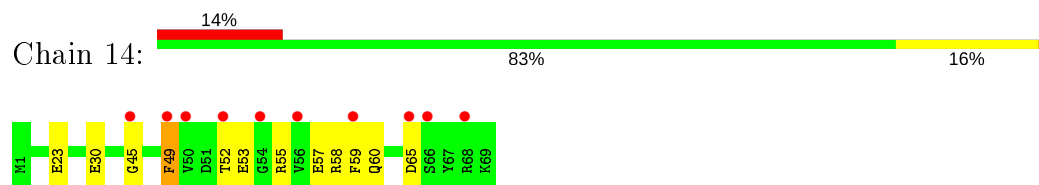
- Molecule 25: 50S ribosomal protein L30



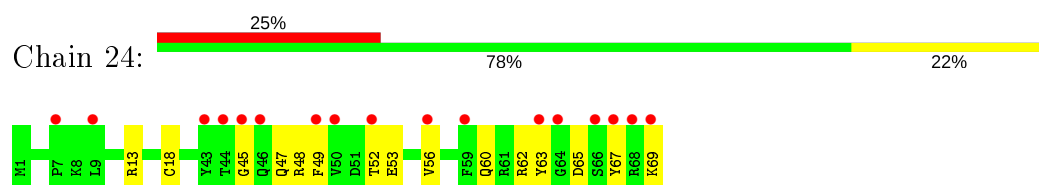
- Molecule 25: 50S ribosomal protein L30



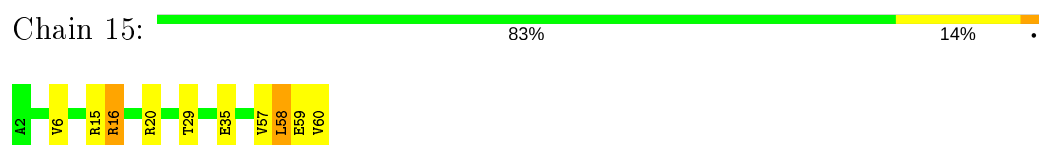
- Molecule 26: 50S ribosomal protein L31



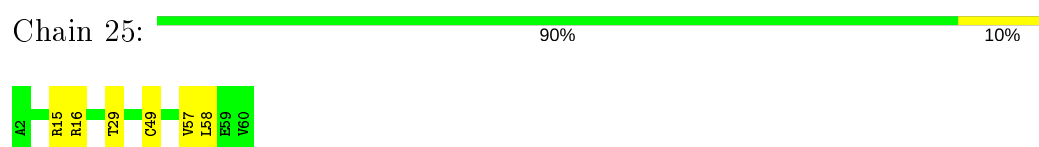
- Molecule 26: 50S ribosomal protein L31



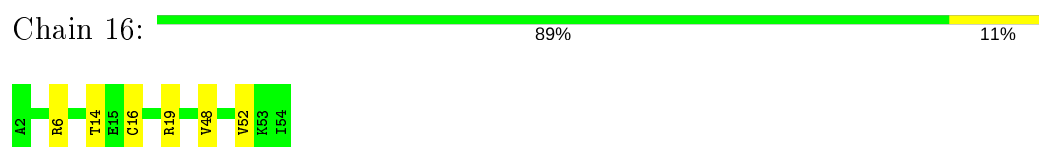
- Molecule 27: 50S ribosomal protein L32



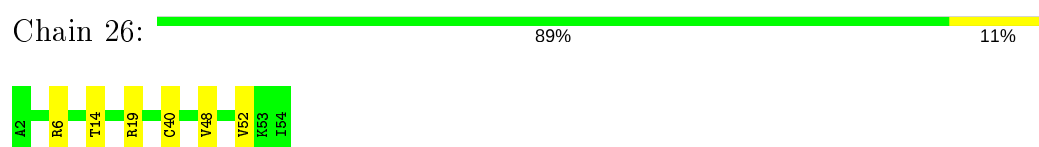
- Molecule 27: 50S ribosomal protein L32



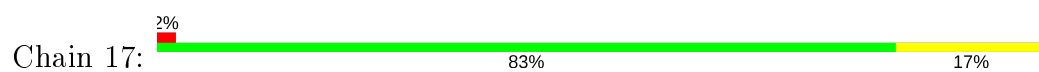
- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



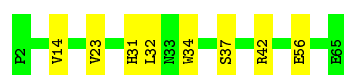
- Molecule 29: 50S ribosomal protein L34



- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



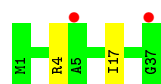
- Molecule 30: 50S ribosomal protein L35



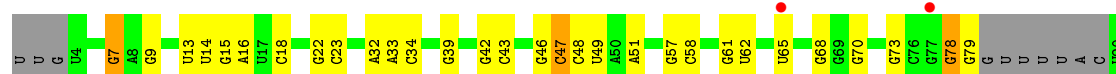
- Molecule 31: 50S ribosomal protein L36



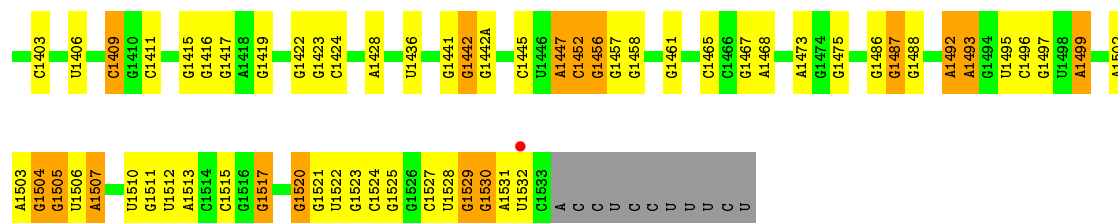
- Molecule 31: 50S ribosomal protein L36



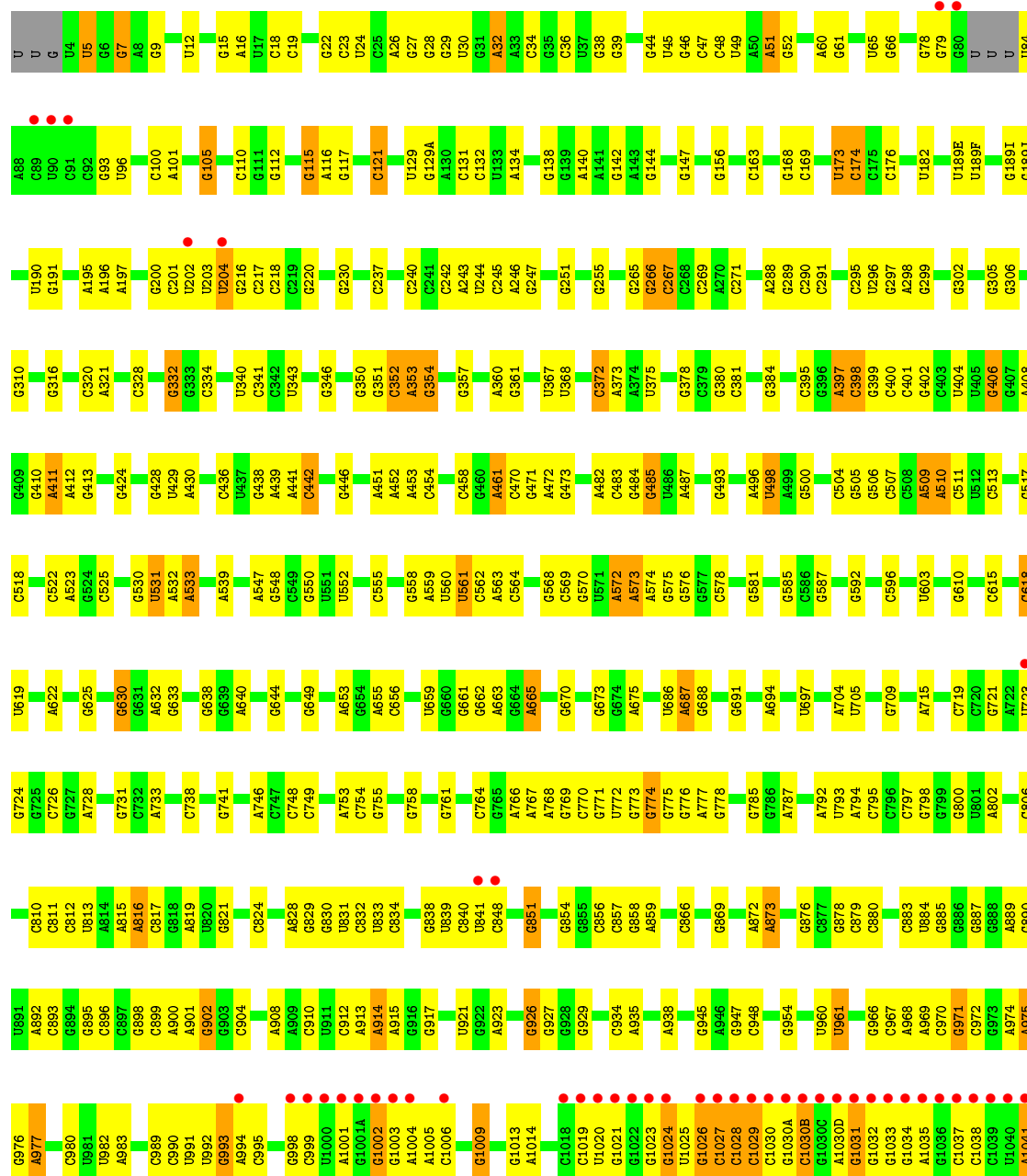
- Molecule 32: 16S ribosomal RNA

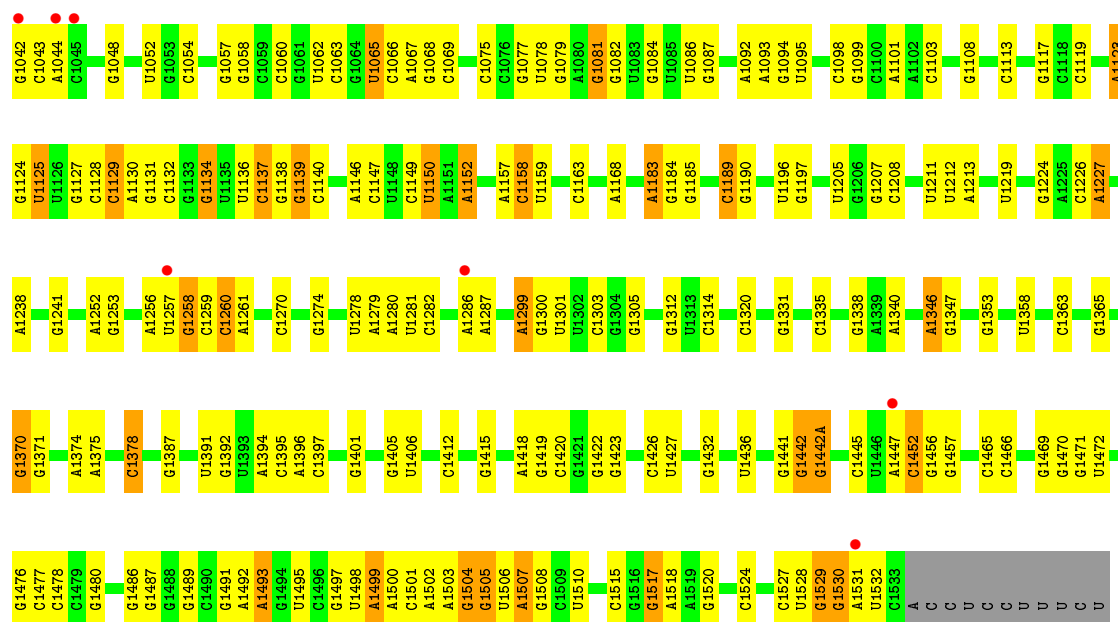


C1277	U1159	G1068	C999	G894	C812	G731	G644	A559	G471	U367	G266	C177	C91
U1278	A1168	C1069	U1000	G895	U813	C732	A653	U560	A472	U368	C267	G181	C92
A1279	A1169	U1070	A1001	C996	A814	G733	A654	U561	G473	C369	G182	U182	A101
U1281		C1075	G1002	C899	A816	A737	A655	A563	G474	G372	G276	G183	G102
C1282		C1076	G1003	A900	C817	C738	A656	A564	G475	A373	G277	C186	G103
G1283		G1077	A1004	A901	C818	C739	G657	U565	G476	A374	C280	C187	G104
C1284			A1005	G902	U819	U740	G658	G566	G477	U375	G284		G105
A1285		G1081	C1006	G903	U820		G659	G567	U480	G376			
A1286		G1082	C1007	C904	C821		G661	G568	G481	G377	U189E		
A1287			U1008	U905	C822		A664	C569	A482	U189F	U189E		
A1288		U1085	G1009	G906	G823	C748	A665	G570	G483	G189G	U114		
A1289		U1086	G1010	G906	C824	G749	A666	U571	G484		G115		
		G1087	U1012	C910	G825	U751	G668	A572	G485	U190	G116		
		A1093	U911	U912			G669	A573	U486	G117	G117		
		U1094	C912	C912	A828	A753	G670	A574	A487	G118	U118		
		U1095	A913	A914	G829	C754	G671	G575		U195	A119		
		C1096	A914	A915	G830	U755	U672	G576	A496	A196	C121		
		C1097	A915		U831	C756	U673	G577	U498	A197	G122		
			G926	G926	C834	U757	G674	C578	C501	G198	C123		
		A1101	G927	G927	U835	G758	G675	G579	G502	G301	C131		
		A1102	G928	G928	G836	A759	A676	U580	G505	G302	C201		
		C1103			G837	G760	A676	A583	G506	A321	U202		
		G1106	C934	C934	G838	A767	C681	C580	G402	C322	U203		
		C1107	A935	A935	U839	A768	G685	C581	C403	U323	U204		
			G945	G945	C840	G769	G686	U591	U404	G324	G216		
		C1112	C948	C948	C841	C770	A687	G592	U405	G325	G217		
		C1113	C949	C949	C842	U771	G688	G593	G406	A325	C218		
		G1117	A949	A949	G851	U772	G689	G594	G409	C328	C219		
			U960	U960	G852	G773	G690	G595	G410	G331	G220		
		A1123	U961	U961	C857	G775	G693	G596	A411	G332	C221		
		G1124	C962	C962	G858	G776	A694	U598	A412	G337	C224		
		U1125	A959	A959	C859	A777	G696	G606	A520	C338	G225		
		C1129	G860	G860	A860	A780	U697	A607	A523	U340	G226		
		A1130	U863	U863	C863	A781	G698	C613	G527	C339	C233		
		G1131	C970	C970	U869	C784	G699	A614	G528	C341	C234		
		C1132	G869	G869	C870	G785	C701	C615	U531	G427	C235		
		G1133	U870	U870	C871	G786	A702	U532	G428	U343	G236		
		U1134	U871	U871	C872	G786	G703	A533	U429	C345	G237		
		U1135	A872	A872	U873	A792	A704	U534	A430	G346	G238		
		U1136	A873	A873	U874	U793	A705	C620	C435	G347	U244		
		C1137	G874	G874	C875	C795	C708	A621	G438	G351	G247		
		G1138	C975	C975	C876	G795	G713	C623	A439	C352	U249		
		C1139	G878	G878	C879	G799	G718	G624	G441	A353	A250		
		G1140	C880	C880	C880	U801	G718	G625	A442	G354	G251		
		A1143	U881	U881	C881	A802	A722	G630	C443	C355	U252		
		G1144	U882	U882	C882	U723	U722	G631	A452	G356	U253		
		C1145	C985	C985	U883	U804	G724	A632	A453	U357	G254		
		A1146	G888	G888	C884	U805	G725	G633	C454	A360	G255		
		U1150	G889	G889	U806	A807	G726	G634	C455	A363	A172		
		A1151	U892	U892	C887	G808	G727	G635	G460	A364	U173		
		A1152	G993	G993	U893	G809	A728	G636	A461	U365	C174		
		C1158	A994	A994	C892	C810	A729	G637	G462	U366	C175		
			U998	U998	C893	C811	G730	G639	C470		C176		

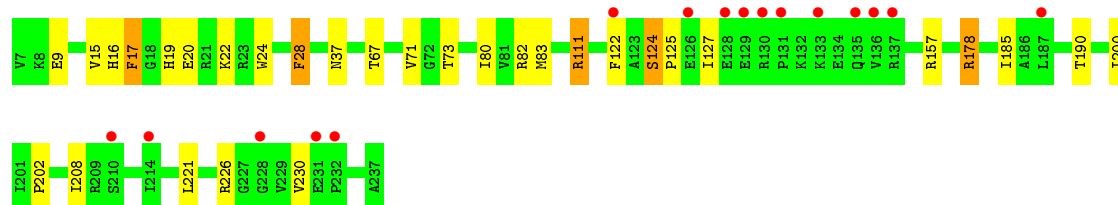
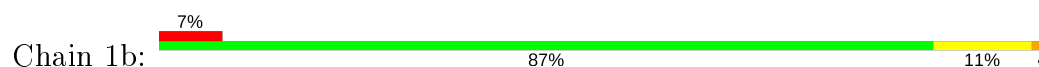


• Molecule 32: 16S ribosomal RNA

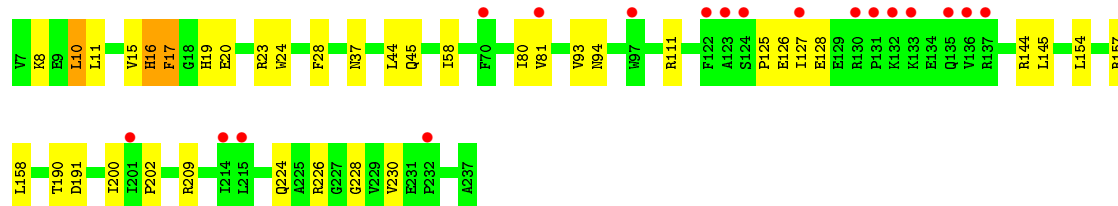
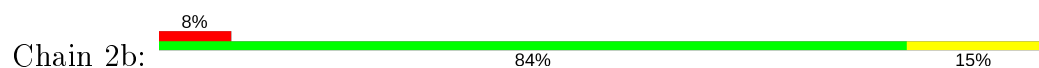




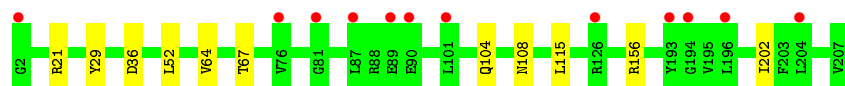
• Molecule 33: 30S ribosomal protein S2



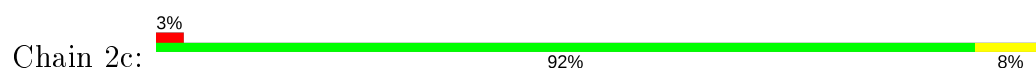
• Molecule 33: 30S ribosomal protein S2



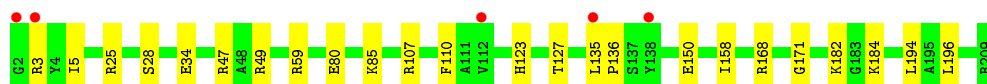
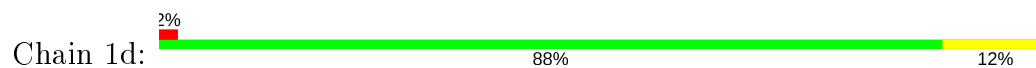
• Molecule 34: 30S ribosomal protein S3



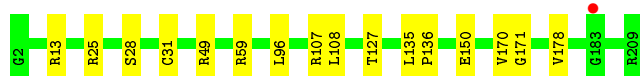
• Molecule 34: 30S ribosomal protein S3



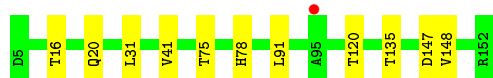
- Molecule 35: 30S ribosomal protein S4



- Molecule 35: 30S ribosomal protein S4



- Molecule 36: 30S ribosomal protein S5



- Molecule 36: 30S ribosomal protein S5



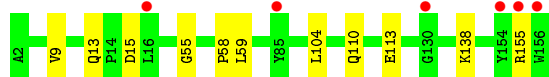
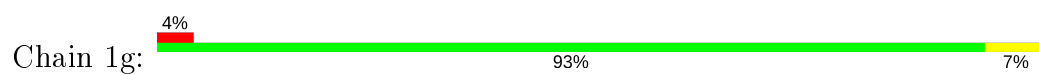
- Molecule 37: 30S ribosomal protein S6



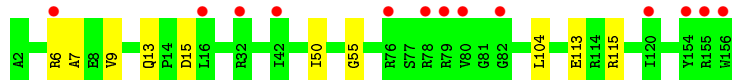
- Molecule 37: 30S ribosomal protein S6



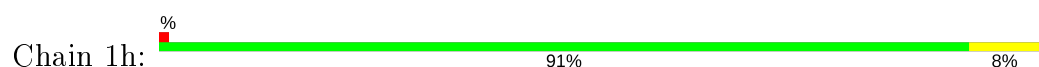
- Molecule 38: 30S ribosomal protein S7



- Molecule 38: 30S ribosomal protein S7



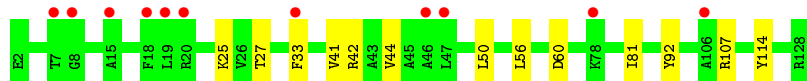
- Molecule 39: 30S ribosomal protein S8



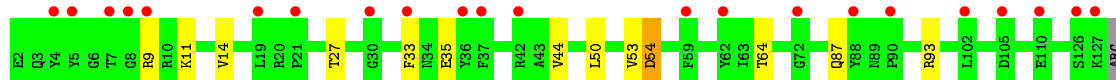
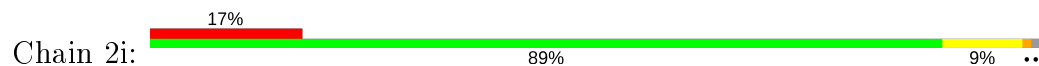
- Molecule 39: 30S ribosomal protein S8



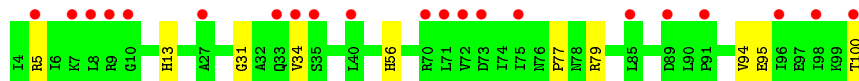
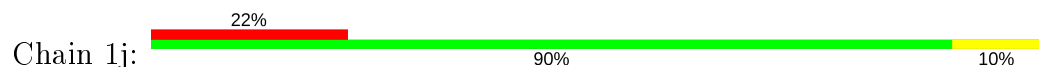
- Molecule 40: 30S ribosomal protein S9



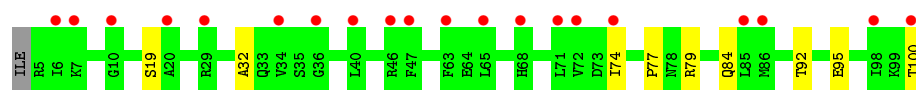
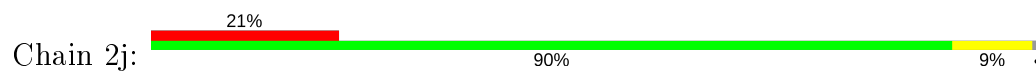
- Molecule 40: 30S ribosomal protein S9



- Molecule 41: 30S ribosomal protein S10



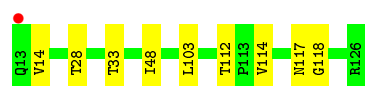
- Molecule 41: 30S ribosomal protein S10



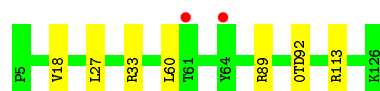
- Molecule 42: 30S ribosomal protein S11



- Molecule 42: 30S ribosomal protein S11



- Molecule 43: 30S ribosomal protein S12



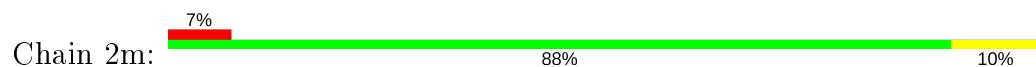
- Molecule 43: 30S ribosomal protein S12



- Molecule 44: 30S ribosomal protein S13

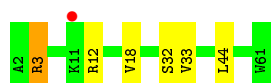
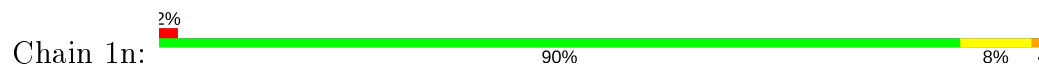


- Molecule 44: 30S ribosomal protein S13

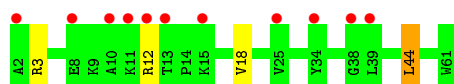




- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 45: 30S ribosomal protein S14 type Z



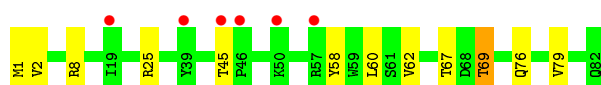
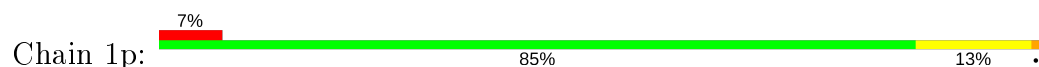
- Molecule 46: 30S ribosomal protein S15



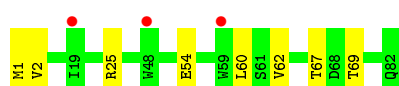
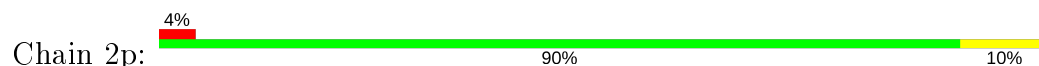
- Molecule 46: 30S ribosomal protein S15



- Molecule 47: 30S ribosomal protein S16



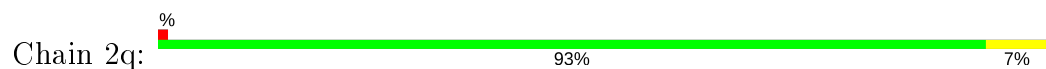
- Molecule 47: 30S ribosomal protein S16



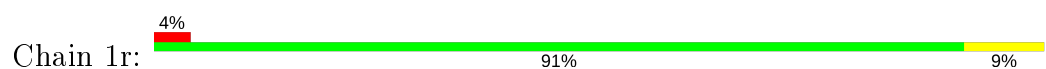
- Molecule 48: 30S ribosomal protein S17



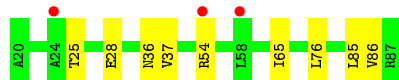
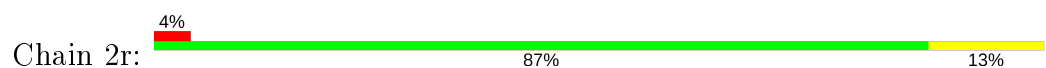
- Molecule 48: 30S ribosomal protein S17



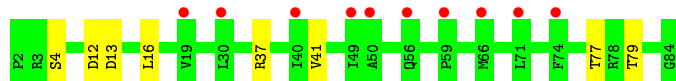
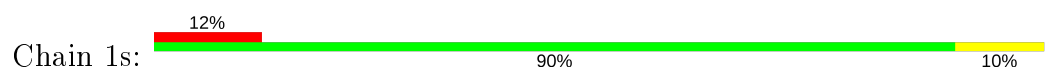
- Molecule 49: 30S ribosomal protein S18



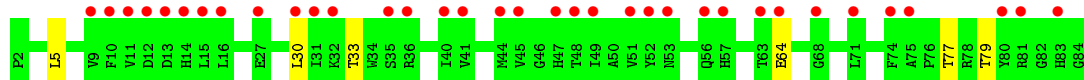
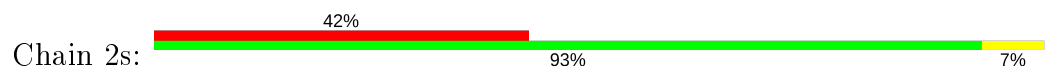
- Molecule 49: 30S ribosomal protein S18



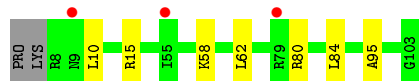
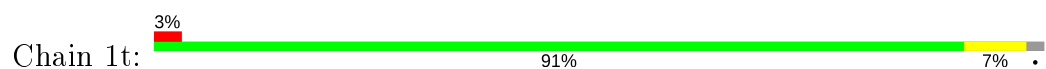
- Molecule 50: 30S ribosomal protein S19



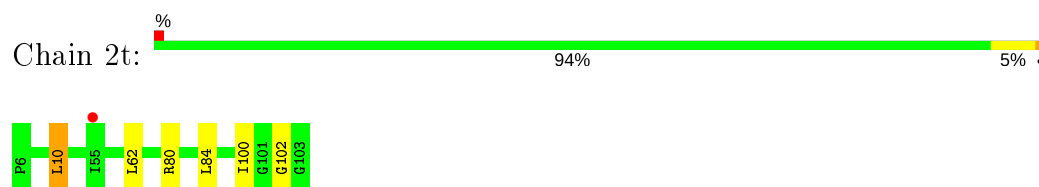
- Molecule 50: 30S ribosomal protein S19



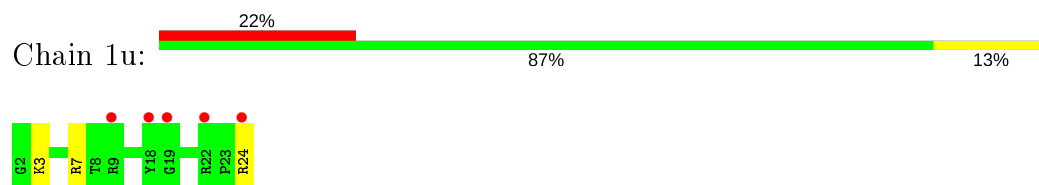
- Molecule 51: 30S ribosomal protein S20



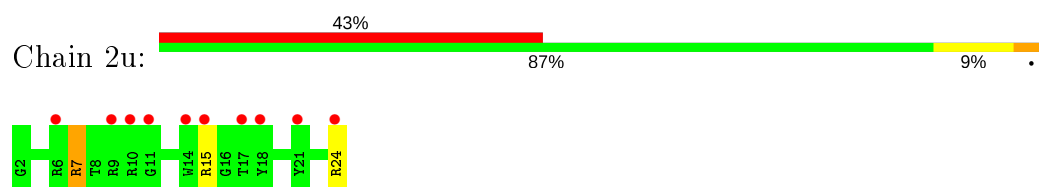
- Molecule 51: 30S ribosomal protein S20



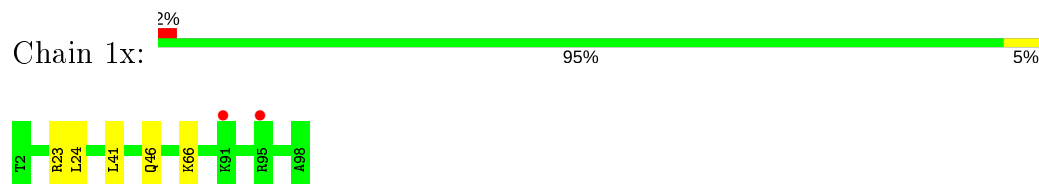
- Molecule 52: 30S ribosomal protein Thx



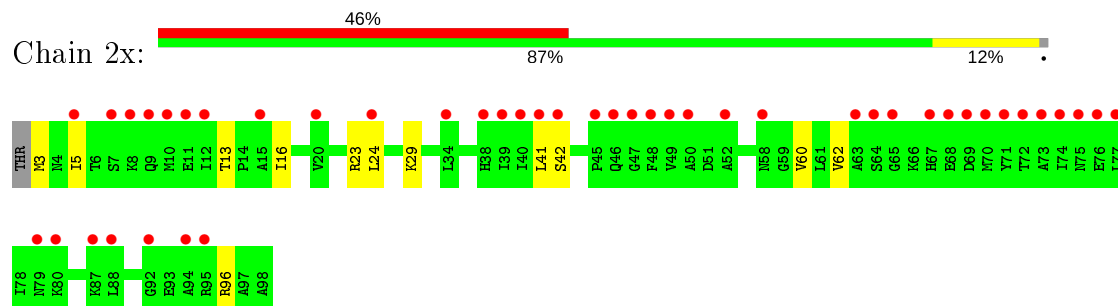
- Molecule 52: 30S ribosomal protein Thx



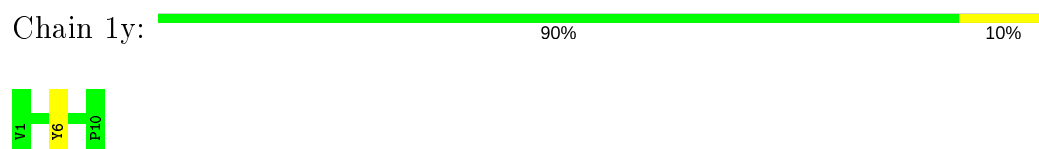
- Molecule 53: Ribosome-associated inhibitor A



- Molecule 53: Ribosome-associated inhibitor A



- Molecule 54: Metalnikowin I



- Molecule 54: Metalnikowin I





4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.65Å 448.09Å 623.38Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.72 – 2.90 49.72 – 2.79	Depositor EDS
% Data completeness (in resolution range)	99.6 (49.72-2.90) 99.1 (49.72-2.79)	Depositor EDS
R_{merge}	0.16	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.04 (at 2.77Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.183 , 0.234 0.185 , 0.234	Depositor DCC
R_{free} test set	69999 reflections (4.91%)	wwPDB-VP
Wilson B-factor (Å ²)	67.9	Xtriage
Anisotropy	0.112	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 62.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	293484	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.56% 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: 5MU, ZN, OMG, OMU, MA6, SF4, 0TD, MG, 2MA, 2MG, 5MC, UR3, 4OC, M2G, 7MG, PSU

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	1.58	593/69021 (0.9%)	2.13	4360/107735 (4.0%)
1	2A	1.20	117/68892 (0.2%)	1.77	2077/107529 (1.9%)
2	1B	1.24	7/2879 (0.2%)	2.02	149/4490 (3.3%)
2	2B	1.00	1/2874 (0.0%)	1.65	63/4482 (1.4%)
3	1D	0.99	2/2181 (0.1%)	1.03	6/2940 (0.2%)
3	2D	0.81	0/2186	0.95	3/2944 (0.1%)
4	1E	1.01	1/1592 (0.1%)	1.09	8/2149 (0.4%)
4	2E	0.78	0/1592	0.93	1/2149 (0.0%)
5	1F	0.99	0/1619	1.06	6/2193 (0.3%)
5	2F	0.73	0/1609	0.86	0/2181
6	1G	0.72	1/1451 (0.1%)	0.89	1/1961 (0.1%)
6	2G	0.69	1/1449 (0.1%)	0.83	1/1957 (0.1%)
7	1H	0.83	0/1356	0.95	1/1834 (0.1%)
7	2H	0.70	0/1350	0.82	0/1826
8	1I	0.75	2/1109 (0.2%)	0.87	1/1512 (0.1%)
8	2I	0.68	0/1091	0.87	2/1490 (0.1%)
9	1N	0.98	0/1148	0.97	2/1547 (0.1%)
9	2N	0.64	0/1144	0.82	0/1543
10	1O	1.08	1/943 (0.1%)	1.04	2/1269 (0.2%)
10	2O	0.79	0/943	0.87	0/1269
11	1P	0.88	0/1152	1.01	4/1533 (0.3%)
11	2P	0.69	0/1152	0.86	1/1533 (0.1%)
12	1Q	0.98	2/1143 (0.2%)	0.99	3/1527 (0.2%)
12	2Q	0.68	0/1143	0.83	0/1527
13	1R	0.96	0/982	1.10	5/1312 (0.4%)
13	2R	0.73	0/982	0.94	3/1312 (0.2%)
14	1S	0.80	0/887	0.99	3/1180 (0.3%)
14	2S	0.66	0/880	0.85	0/1172
15	1T	0.91	1/1105 (0.1%)	1.08	4/1477 (0.3%)
15	2T	0.73	0/1097	0.93	1/1468 (0.1%)
16	1U	1.10	5/977 (0.5%)	1.07	4/1301 (0.3%)
16	2U	0.76	0/977	0.83	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	1V	0.98	1/786 (0.1%)	1.01	2/1053 (0.2%)
17	2V	0.67	0/782	0.85	0/1049
18	1W	1.09	1/891 (0.1%)	1.06	2/1198 (0.2%)
18	2W	0.84	0/888	0.92	1/1194 (0.1%)
19	1X	0.95	0/764	0.98	1/1025 (0.1%)
19	2X	0.76	0/764	0.84	1/1025 (0.1%)
20	1Y	0.95	1/823 (0.1%)	1.07	3/1099 (0.3%)
20	2Y	0.77	0/823	0.95	1/1100 (0.1%)
21	1Z	0.77	0/1620	0.86	1/2200 (0.0%)
21	2Z	0.66	0/1590	0.84	0/2162
22	10	0.91	0/616	0.97	1/821 (0.1%)
22	20	0.67	0/616	0.88	0/821
23	11	0.98	0/761	0.99	1/1013 (0.1%)
23	21	0.82	0/766	1.03	2/1018 (0.2%)
24	12	0.88	0/590	0.92	0/781
24	22	0.81	0/594	0.86	0/785
25	13	0.94	0/474	1.02	0/635
25	23	0.66	0/469	0.82	0/630
26	14	0.85	0/559	0.86	0/754
26	24	0.92	0/549	0.91	1/741 (0.1%)
27	15	1.11	2/473 (0.4%)	1.19	4/639 (0.6%)
27	25	0.81	1/469 (0.2%)	0.96	2/635 (0.3%)
28	16	0.94	1/460 (0.2%)	0.97	0/613
28	26	0.76	1/456 (0.2%)	0.81	0/608
29	17	1.08	1/426 (0.2%)	1.14	3/561 (0.5%)
29	27	0.81	0/426	0.97	2/561 (0.4%)
30	18	1.00	1/525 (0.2%)	0.96	1/691 (0.1%)
30	28	0.72	0/525	0.83	0/691
31	19	0.90	1/310 (0.3%)	0.96	0/407
31	29	0.60	0/310	0.78	0/407
32	1a	1.09	48/35795 (0.1%)	1.70	858/55864 (1.5%)
32	2a	1.04	35/35890 (0.1%)	1.67	813/56012 (1.5%)
33	1b	0.71	0/1876	0.92	3/2533 (0.1%)
33	2b	0.73	0/1860	0.89	0/2518
34	1c	0.67	0/1582	0.80	0/2137
34	2c	0.73	0/1566	0.83	0/2119
35	1d	0.68	0/1695	0.84	0/2274
35	2d	0.70	0/1698	0.86	0/2277
36	1e	0.66	0/1149	0.84	0/1548
36	2e	0.66	0/1149	0.87	0/1548
37	1f	0.68	0/827	0.82	1/1120 (0.1%)
37	2f	0.69	0/829	0.82	0/1123
38	1g	0.67	0/1254	0.80	1/1683 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	2g	0.68	0/1248	0.79	0/1676
39	1h	0.66	0/1118	0.86	1/1506 (0.1%)
39	2h	0.62	0/1108	0.84	0/1494
40	1i	0.69	0/1005	0.82	0/1351
40	2i	0.75	0/985	0.87	1/1329 (0.1%)
41	1j	0.74	0/732	0.86	0/993
41	2j	0.73	0/723	0.81	0/984
42	1k	0.70	0/849	0.82	0/1150
42	2k	0.67	0/848	0.86	1/1149 (0.1%)
43	1l	0.69	0/937	0.84	0/1260
43	2l	0.68	0/937	0.89	1/1260 (0.1%)
44	1m	0.66	0/924	0.79	0/1242
44	2m	0.70	0/905	0.80	0/1217
45	1n	0.64	0/501	0.87	1/664 (0.2%)
45	2n	0.65	0/501	0.81	1/664 (0.2%)
46	1o	0.72	0/739	0.87	1/985 (0.1%)
46	2o	0.64	0/739	0.79	0/985
47	1p	0.63	0/697	0.86	0/939
47	2p	0.68	0/693	0.91	1/935 (0.1%)
48	1q	0.74	0/836	0.94	3/1117 (0.3%)
48	2q	0.68	0/836	0.92	1/1117 (0.1%)
49	1r	0.69	0/560	0.87	0/746
49	2r	0.70	0/560	0.81	0/746
50	1s	0.61	0/663	0.79	0/895
50	2s	0.72	0/660	0.81	1/893 (0.1%)
51	1t	0.67	0/734	0.88	0/969
51	2t	0.63	0/736	0.86	0/976
52	1u	0.57	0/203	0.73	0/266
52	2u	0.64	0/203	0.79	0/266
53	1x	0.67	0/776	0.78	0/1048
53	2x	0.67	0/761	0.77	0/1030
54	1y	1.01	0/90	1.06	0/122
54	2y	0.88	0/90	0.97	0/122
All	All	1.16	828/310078 (0.3%)	1.66	8429/463412 (1.8%)

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
19	1X	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
19	2X	0	1
33	1b	0	1
All	All	0	3

The worst 5 of 828 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	354	A	N9-C4	-12.86	1.30	1.37
1	1A	2633	A	N7-C5	-9.63	1.33	1.39
1	1A	2026	G	N7-C5	-9.47	1.33	1.39
1	2A	1046	A	N9-C4	9.45	1.43	1.37
1	1A	2037	A	N3-C4	-9.27	1.29	1.34

The worst 5 of 8429 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1208	C	O5'-P-OP1	-35.12	68.56	110.70
32	1a	1520	G	O5'-P-OP1	-30.95	73.56	110.70
32	1a	1520	G	O5'-P-OP2	27.90	144.18	110.70
32	2a	1208	C	OP1-P-OP2	-24.71	82.53	119.60
32	1a	1520	G	OP1-P-OP2	-23.77	83.94	119.60

There are no chirality outliers.

All (3) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
19	1X	93	GLU	Peptide
33	1b	124	SER	Peptide
19	2X	93	GLU	Peptide

5.2 Too-close contacts [i](#)

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

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

of similar resolution.

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/275 (99%)	258 (94%)	15 (6%)	0	100	100
3	2D	273/275 (99%)	256 (94%)	17 (6%)	0	100	100
4	1E	202/204 (99%)	192 (95%)	9 (4%)	1 (0%)	29	61
4	2E	202/204 (99%)	191 (95%)	10 (5%)	1 (0%)	29	61
5	1F	201/203 (99%)	193 (96%)	7 (4%)	1 (0%)	29	61
5	2F	201/203 (99%)	192 (96%)	7 (4%)	2 (1%)	15	45
6	1G	179/181 (99%)	163 (91%)	12 (7%)	4 (2%)	6	24
6	2G	179/181 (99%)	163 (91%)	13 (7%)	3 (2%)	9	31
7	1H	172/174 (99%)	163 (95%)	9 (5%)	0	100	100
7	2H	171/174 (98%)	164 (96%)	7 (4%)	0	100	100
8	1I	145/147 (99%)	127 (88%)	15 (10%)	3 (2%)	7	26
8	2I	144/147 (98%)	125 (87%)	16 (11%)	3 (2%)	7	26
9	1N	138/140 (99%)	132 (96%)	6 (4%)	0	100	100
9	2N	138/140 (99%)	129 (94%)	9 (6%)	0	100	100
10	1O	120/122 (98%)	114 (95%)	5 (4%)	1 (1%)	19	51
10	2O	120/122 (98%)	113 (94%)	6 (5%)	1 (1%)	19	51
11	1P	147/149 (99%)	139 (95%)	8 (5%)	0	100	100
11	2P	147/149 (99%)	137 (93%)	9 (6%)	1 (1%)	22	54
12	1Q	139/141 (99%)	133 (96%)	5 (4%)	1 (1%)	22	54
12	2Q	139/141 (99%)	133 (96%)	5 (4%)	1 (1%)	22	54
13	1R	116/118 (98%)	107 (92%)	9 (8%)	0	100	100
13	2R	116/118 (98%)	107 (92%)	9 (8%)	0	100	100
14	1S	108/110 (98%)	100 (93%)	7 (6%)	1 (1%)	17	48
14	2S	108/110 (98%)	100 (93%)	7 (6%)	1 (1%)	17	48
15	1T	129/131 (98%)	125 (97%)	4 (3%)	0	100	100
15	2T	129/131 (98%)	125 (97%)	4 (3%)	0	100	100
16	1U	114/116 (98%)	113 (99%)	1 (1%)	0	100	100
16	2U	114/116 (98%)	114 (100%)	0	0	100	100
17	1V	99/101 (98%)	94 (95%)	4 (4%)	1 (1%)	15	45

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
17	2V	99/101 (98%)	95 (96%)	3 (3%)	1 (1%)	15	45
18	1W	110/112 (98%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/112 (98%)	109 (99%)	1 (1%)	0	100	100
19	1X	93/95 (98%)	90 (97%)	3 (3%)	0	100	100
19	2X	93/95 (98%)	88 (95%)	5 (5%)	0	100	100
20	1Y	105/107 (98%)	95 (90%)	10 (10%)	0	100	100
20	2Y	105/107 (98%)	98 (93%)	7 (7%)	0	100	100
21	1Z	201/203 (99%)	187 (93%)	14 (7%)	0	100	100
21	2Z	199/203 (98%)	189 (95%)	10 (5%)	0	100	100
22	10	75/77 (97%)	70 (93%)	5 (7%)	0	100	100
22	20	75/77 (97%)	70 (93%)	5 (7%)	0	100	100
23	11	95/97 (98%)	94 (99%)	0	1 (1%)	14	42
23	21	95/97 (98%)	93 (98%)	1 (1%)	1 (1%)	14	42
24	12	68/70 (97%)	66 (97%)	2 (3%)	0	100	100
24	22	68/70 (97%)	66 (97%)	2 (3%)	0	100	100
25	13	57/59 (97%)	55 (96%)	2 (4%)	0	100	100
25	23	57/59 (97%)	54 (95%)	3 (5%)	0	100	100
26	14	67/69 (97%)	52 (78%)	11 (16%)	4 (6%)	1	4
26	24	67/69 (97%)	52 (78%)	10 (15%)	5 (8%)	1	2
27	15	57/59 (97%)	57 (100%)	0	0	100	100
27	25	57/59 (97%)	57 (100%)	0	0	100	100
28	16	51/53 (96%)	50 (98%)	1 (2%)	0	100	100
28	26	51/53 (96%)	50 (98%)	1 (2%)	0	100	100
29	17	46/48 (96%)	45 (98%)	1 (2%)	0	100	100
29	27	46/48 (96%)	45 (98%)	1 (2%)	0	100	100
30	18	62/64 (97%)	61 (98%)	1 (2%)	0	100	100
30	28	62/64 (97%)	60 (97%)	2 (3%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/231 (99%)	190 (83%)	27 (12%)	12 (5%)	2	6
33	2b	229/231 (99%)	192 (84%)	27 (12%)	10 (4%)	2	10

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
34	1c	204/206 (99%)	171 (84%)	31 (15%)	2 (1%)	15	45
34	2c	204/206 (99%)	176 (86%)	25 (12%)	3 (2%)	10	34
35	1d	206/208 (99%)	183 (89%)	19 (9%)	4 (2%)	8	28
35	2d	206/208 (99%)	186 (90%)	17 (8%)	3 (2%)	10	34
36	1e	146/148 (99%)	126 (86%)	19 (13%)	1 (1%)	22	54
36	2e	146/148 (99%)	129 (88%)	16 (11%)	1 (1%)	22	54
37	1f	98/100 (98%)	89 (91%)	9 (9%)	0	100	100
37	2f	98/100 (98%)	92 (94%)	6 (6%)	0	100	100
38	1g	153/155 (99%)	143 (94%)	9 (6%)	1 (1%)	22	54
38	2g	153/155 (99%)	142 (93%)	8 (5%)	3 (2%)	7	27
39	1h	135/137 (98%)	123 (91%)	12 (9%)	0	100	100
39	2h	135/137 (98%)	129 (96%)	6 (4%)	0	100	100
40	1i	125/127 (98%)	107 (86%)	15 (12%)	3 (2%)	6	22
40	2i	124/127 (98%)	105 (85%)	15 (12%)	4 (3%)	4	16
41	1j	95/97 (98%)	79 (83%)	13 (14%)	3 (3%)	4	16
41	2j	94/97 (97%)	79 (84%)	12 (13%)	3 (3%)	4	16
42	1k	112/114 (98%)	100 (89%)	11 (10%)	1 (1%)	17	48
42	2k	112/114 (98%)	102 (91%)	10 (9%)	0	100	100
43	1l	119/122 (98%)	112 (94%)	7 (6%)	0	100	100
43	2l	119/122 (98%)	113 (95%)	6 (5%)	0	100	100
44	1m	114/116 (98%)	104 (91%)	5 (4%)	5 (4%)	2	10
44	2m	112/116 (97%)	103 (92%)	7 (6%)	2 (2%)	8	29
45	1n	58/60 (97%)	53 (91%)	5 (9%)	0	100	100
45	2n	58/60 (97%)	52 (90%)	6 (10%)	0	100	100
46	1o	86/88 (98%)	82 (95%)	3 (4%)	1 (1%)	13	40
46	2o	86/88 (98%)	82 (95%)	3 (4%)	1 (1%)	13	40
47	1p	80/82 (98%)	67 (84%)	12 (15%)	1 (1%)	12	37
47	2p	80/82 (98%)	65 (81%)	15 (19%)	0	100	100
48	1q	97/99 (98%)	90 (93%)	7 (7%)	0	100	100
48	2q	97/99 (98%)	92 (95%)	5 (5%)	0	100	100
49	1r	66/68 (97%)	61 (92%)	4 (6%)	1 (2%)	10	34

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
49	2r	66/68 (97%)	62 (94%)	3 (4%)	1 (2%)	10	34
50	1s	81/83 (98%)	73 (90%)	6 (7%)	2 (2%)	5	21
50	2s	81/83 (98%)	74 (91%)	7 (9%)	0	100	100
51	1t	94/98 (96%)	87 (93%)	6 (6%)	1 (1%)	14	42
51	2t	96/98 (98%)	85 (88%)	8 (8%)	3 (3%)	4	16
52	1u	21/23 (91%)	19 (90%)	0	2 (10%)	0	1
52	2u	21/23 (91%)	17 (81%)	3 (14%)	1 (5%)	2	8
53	1x	95/97 (98%)	91 (96%)	4 (4%)	0	100	100
53	2x	94/97 (97%)	90 (96%)	4 (4%)	0	100	100
54	1y	8/10 (80%)	8 (100%)	0	0	100	100
54	2y	8/10 (80%)	8 (100%)	0	0	100	100
All	All	11645/11862 (98%)	10762 (92%)	770 (7%)	113 (1%)	15	45

5 of 113 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
4	1E	52	LEU
6	1G	49	ASP
6	1G	51	ARG
6	1G	78	SER
8	1I	73	GLU

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	214/217 (99%)	190 (89%)	24 (11%)	6	18
3	2D	215/217 (99%)	195 (91%)	20 (9%)	9	27
4	1E	164/165 (99%)	147 (90%)	17 (10%)	7	21
4	2E	164/165 (99%)	144 (88%)	20 (12%)	5	15
5	1F	160/161 (99%)	136 (85%)	24 (15%)	3	9

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
5	2F	158/161 (98%)	142 (90%)	16 (10%)	7	23
6	1G	144/155 (93%)	127 (88%)	17 (12%)	5	16
6	2G	142/155 (92%)	133 (94%)	9 (6%)	18	46
7	1H	144/145 (99%)	132 (92%)	12 (8%)	11	32
7	2H	143/145 (99%)	121 (85%)	22 (15%)	2	8
8	1I	111/123 (90%)	97 (87%)	14 (13%)	4	13
8	2I	108/123 (88%)	95 (88%)	13 (12%)	5	15
9	1N	119/119 (100%)	105 (88%)	14 (12%)	5	16
9	2N	118/119 (99%)	105 (89%)	13 (11%)	6	19
10	1O	100/100 (100%)	91 (91%)	9 (9%)	9	29
10	2O	100/100 (100%)	94 (94%)	6 (6%)	19	49
11	1P	115/116 (99%)	107 (93%)	8 (7%)	15	41
11	2P	115/116 (99%)	106 (92%)	9 (8%)	12	34
12	1Q	111/111 (100%)	103 (93%)	8 (7%)	14	39
12	2Q	111/111 (100%)	100 (90%)	11 (10%)	8	24
13	1R	101/101 (100%)	88 (87%)	13 (13%)	4	13
13	2R	101/101 (100%)	87 (86%)	14 (14%)	3	10
14	1S	87/87 (100%)	77 (88%)	10 (12%)	5	17
14	2S	85/87 (98%)	75 (88%)	10 (12%)	5	16
15	1T	115/115 (100%)	109 (95%)	6 (5%)	23	55
15	2T	113/115 (98%)	108 (96%)	5 (4%)	28	61
16	1U	93/93 (100%)	82 (88%)	11 (12%)	5	16
16	2U	93/93 (100%)	86 (92%)	7 (8%)	13	37
17	1V	81/82 (99%)	70 (86%)	11 (14%)	3	11
17	2V	80/82 (98%)	69 (86%)	11 (14%)	3	10
18	1W	89/91 (98%)	81 (91%)	8 (9%)	9	29
18	2W	88/91 (97%)	83 (94%)	5 (6%)	20	51
19	1X	77/77 (100%)	71 (92%)	6 (8%)	12	34
19	2X	77/77 (100%)	75 (97%)	2 (3%)	46	77
20	1Y	86/88 (98%)	79 (92%)	7 (8%)	11	33
20	2Y	86/88 (98%)	76 (88%)	10 (12%)	5	16

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
21	1Z	169/176 (96%)	147 (87%)	22 (13%)	4	12
21	2Z	165/176 (94%)	149 (90%)	16 (10%)	8	25
22	10	61/62 (98%)	56 (92%)	5 (8%)	11	32
22	20	61/62 (98%)	58 (95%)	3 (5%)	25	57
23	11	79/82 (96%)	72 (91%)	7 (9%)	9	29
23	21	81/82 (99%)	72 (89%)	9 (11%)	6	19
24	12	65/66 (98%)	61 (94%)	4 (6%)	18	47
24	22	66/66 (100%)	60 (91%)	6 (9%)	9	28
25	13	51/51 (100%)	49 (96%)	2 (4%)	32	66
25	23	50/51 (98%)	46 (92%)	4 (8%)	12	33
26	14	58/62 (94%)	49 (84%)	9 (16%)	2	8
26	24	54/62 (87%)	45 (83%)	9 (17%)	2	6
27	15	51/51 (100%)	45 (88%)	6 (12%)	5	16
27	25	50/51 (98%)	47 (94%)	3 (6%)	19	49
28	16	51/51 (100%)	46 (90%)	5 (10%)	8	24
28	26	50/51 (98%)	45 (90%)	5 (10%)	7	23
29	17	41/41 (100%)	36 (88%)	5 (12%)	5	15
29	27	41/41 (100%)	38 (93%)	3 (7%)	14	38
30	18	54/54 (100%)	48 (89%)	6 (11%)	6	19
30	28	54/54 (100%)	47 (87%)	7 (13%)	4	12
31	19	34/34 (100%)	32 (94%)	2 (6%)	19	49
31	29	34/34 (100%)	32 (94%)	2 (6%)	19	49
33	1b	191/199 (96%)	170 (89%)	21 (11%)	6	19
33	2b	187/199 (94%)	156 (83%)	31 (17%)	2	7
34	1c	144/160 (90%)	135 (94%)	9 (6%)	18	46
34	2c	140/160 (88%)	127 (91%)	13 (9%)	9	27
35	1d	171/180 (95%)	151 (88%)	20 (12%)	5	16
35	2d	172/180 (96%)	159 (92%)	13 (8%)	13	36
36	1e	114/114 (100%)	104 (91%)	10 (9%)	10	30
36	2e	114/114 (100%)	107 (94%)	7 (6%)	18	48
37	1f	85/90 (94%)	80 (94%)	5 (6%)	19	49

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
37	2f	85/90 (94%)	81 (95%)	4 (5%)	26	59
38	1g	120/126 (95%)	111 (92%)	9 (8%)	13	37
38	2g	119/126 (94%)	112 (94%)	7 (6%)	19	49
39	1h	116/118 (98%)	104 (90%)	12 (10%)	7	22
39	2h	114/118 (97%)	106 (93%)	8 (7%)	15	41
40	1i	91/98 (93%)	81 (89%)	10 (11%)	6	19
40	2i	88/98 (90%)	79 (90%)	9 (10%)	7	22
41	1j	68/87 (78%)	61 (90%)	7 (10%)	7	22
41	2j	68/87 (78%)	62 (91%)	6 (9%)	10	30
42	1k	83/86 (96%)	79 (95%)	4 (5%)	25	58
42	2k	83/86 (96%)	75 (90%)	8 (10%)	8	25
43	1l	96/102 (94%)	90 (94%)	6 (6%)	18	46
43	2l	96/102 (94%)	89 (93%)	7 (7%)	14	38
44	1m	90/94 (96%)	83 (92%)	7 (8%)	12	34
44	2m	87/94 (93%)	77 (88%)	10 (12%)	5	17
45	1n	49/49 (100%)	43 (88%)	6 (12%)	5	15
45	2n	49/49 (100%)	45 (92%)	4 (8%)	11	32
46	1o	78/79 (99%)	73 (94%)	5 (6%)	17	45
46	2o	78/79 (99%)	72 (92%)	6 (8%)	13	35
47	1p	69/71 (97%)	57 (83%)	12 (17%)	2	6
47	2p	68/71 (96%)	61 (90%)	7 (10%)	7	22
48	1q	94/94 (100%)	88 (94%)	6 (6%)	17	45
48	2q	94/94 (100%)	88 (94%)	6 (6%)	17	45
49	1r	59/59 (100%)	54 (92%)	5 (8%)	10	31
49	2r	59/59 (100%)	51 (86%)	8 (14%)	3	11
50	1s	68/72 (94%)	62 (91%)	6 (9%)	10	30
50	2s	67/72 (93%)	62 (92%)	5 (8%)	13	37
51	1t	71/76 (93%)	65 (92%)	6 (8%)	10	31
51	2t	70/76 (92%)	66 (94%)	4 (6%)	20	51
52	1u	18/18 (100%)	17 (94%)	1 (6%)	21	52
52	2u	18/18 (100%)	15 (83%)	3 (17%)	2	6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
53	1x	82/83 (99%)	77 (94%)	5 (6%)	18	48
53	2x	79/83 (95%)	67 (85%)	12 (15%)	3	8
54	1y	10/10 (100%)	9 (90%)	1 (10%)	7	23
54	2y	10/10 (100%)	9 (90%)	1 (10%)	7	23
All	All	9540/9882 (96%)	8626 (90%)	914 (10%)	8	25

5 of 914 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
45	1n	12	ARG
5	2F	74	ARG
43	2l	52	LEU
47	1p	8	ARG
54	1y	6	TYR

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 98 such sidechains are listed below:

Mol	Chain	Res	Type
48	1q	16	GLN
7	2H	74	ASN
42	2k	117	ASN
50	1s	23	ASN
3	2D	126	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	403 (14%)	58 (2%)
1	2A	2855/2915 (97%)	418 (14%)	51 (1%)
2	1B	119/120 (99%)	6 (5%)	0
2	2B	118/120 (98%)	8 (6%)	0
32	1a	1494/1521 (98%)	250 (16%)	0
32	2a	1498/1521 (98%)	249 (16%)	0
All	All	8948/9112 (98%)	1334 (14%)	109 (1%)

5 of 1334 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	10	G
1	1A	12	U
1	1A	34	C
1	1A	45	C
1	1A	60	G

5 of 109 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2434	A
1	2A	249	C
1	2A	2308	G
1	1A	2442	A
1	1A	2701	U

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

48 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	$\# Z > 2$
32	7MG	1a	527	55,32	22,26,27	2.54	6 (27%)	28,39,42	1.53	7 (25%)
1	OMU	2A	2552	1,55	14,22,23	7.97	8 (57%)	14,31,34	1.16	0
1	PSU	1A	1939	1,55	17,21,22	2.10	6 (35%)	20,30,33	4.39	7 (35%)
43	0TD	1l	92	43	4,9,10	2.03	2 (50%)	3,11,13	5.23	2 (66%)
1	PSU	1A	2617	1	17,21,22	2.07	4 (23%)	20,30,33	4.63	7 (35%)
1	2MA	2A	2503	1,55	17,25,26	2.34	6 (35%)	19,37,40	2.37	3 (15%)
32	MA6	2a	1518	32	19,26,27	0.98	1 (5%)	18,38,41	4.55	3 (16%)
1	4OC	1A	1942	1,55	15,22,24	1.80	5 (33%)	17,31,35	1.35	4 (23%)

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
32	7MG	1a	527	55,32	-	1/7/37/38	0/3/3/3
1	OMU	2A	2552	1,55	-	0/7/27/28	0/2/2/2
1	PSU	1A	1939	1,55	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/3/12/14	-
1	PSU	1A	2617	1	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,55	-	2/3/25/26	0/3/3/3
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
1	4OC	1A	1942	1,55	-	1/7/27/30	0/2/2/2

The worst 5 of 38 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	2552	OMU	C6-N1	17.67	1.57	1.35
1	2A	2552	OMU	C4-N3	-12.82	1.10	1.33
1	2A	2552	OMU	C6-C5	-12.26	1.11	1.38
1	2A	2552	OMU	O4'-C1'	10.71	1.56	1.41
1	2A	2552	OMU	C3'-C2'	-8.65	1.33	1.52

The worst 5 of 33 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1518	MA6	N1-C6-N6	-17.87	98.25	117.06
1	1A	2617	PSU	N1-C2-N3	-14.08	117.23	128.43
1	1A	1939	PSU	N1-C2-N3	-13.07	118.04	128.43
1	1A	2617	PSU	C4-N3-C2	11.83	125.13	115.14
1	1A	1939	PSU	C4-N3-C2	10.05	123.62	115.14

There are no chirality outliers.

5 of 6 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1942	4OC	C2'-C1'-N1-C6
43	1l	92	0TD	CG-CB-SB-CSB
1	2A	2503	2MA	O4'-C4'-C5'-O5'
1	2A	2503	2MA	C4'-C5'-O5'-P
43	1l	92	0TD	CA-CB-SB-CSB

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2435 ligands modelled in this entry, 2 are modelled with single atom and 2431 are monoatomic - leaving 2 for Mogul analysis.

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](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
1	2A	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2A	2801(A):A	O3'	2802:G	P	3.50

6 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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	2861/2915 (98%)	0.04	136 (4%) 30 27	16, 34, 100, 113	0
1	2A	2856/2915 (97%)	0.02	141 (4%) 29 26	31, 56, 101, 114	0
2	1B	120/120 (100%)	-0.45	0 100 100	27, 51, 64, 93	0
2	2B	120/120 (100%)	-0.34	0 100 100	60, 79, 88, 96	0
3	1D	275/275 (100%)	-0.40	0 100 100	17, 34, 49, 74	0
3	2D	275/275 (100%)	-0.25	0 100 100	27, 49, 64, 83	0
4	1E	204/204 (100%)	-0.40	0 100 100	16, 37, 58, 73	0
4	2E	204/204 (100%)	-0.20	1 (0%) 91 91	31, 57, 73, 83	0
5	1F	203/203 (100%)	-0.29	1 (0%) 91 91	16, 38, 68, 92	0
5	2F	203/203 (100%)	-0.25	0 100 100	33, 66, 82, 91	0
6	1G	181/181 (100%)	-0.35	2 (1%) 80 80	47, 66, 83, 95	0
6	2G	181/181 (100%)	0.48	12 (6%) 18 14	76, 85, 92, 98	0
7	1H	174/174 (100%)	-0.42	1 (0%) 89 89	36, 51, 65, 70	0
7	2H	173/174 (99%)	0.77	28 (16%) 1 1	66, 85, 94, 98	0
8	1I	147/147 (100%)	-0.19	0 100 100	40, 71, 82, 87	0
8	2I	146/147 (99%)	0.35	7 (4%) 30 27	53, 80, 91, 97	0
9	1N	140/140 (100%)	-0.39	0 100 100	19, 33, 57, 73	0
9	2N	140/140 (100%)	-0.13	1 (0%) 87 87	46, 64, 76, 88	0
10	1O	122/122 (100%)	-0.40	0 100 100	26, 38, 55, 65	0
10	2O	122/122 (100%)	-0.36	0 100 100	41, 54, 68, 76	0
11	1P	149/149 (100%)	-0.27	0 100 100	17, 43, 64, 79	0
11	2P	149/149 (100%)	0.22	3 (2%) 65 63	38, 66, 83, 91	0
12	1Q	141/141 (100%)	-0.29	0 100 100	25, 38, 53, 68	0
12	2Q	141/141 (100%)	-0.30	1 (0%) 87 87	46, 63, 76, 81	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.35	0 100 100	21, 32, 51, 61	0
13	2R	118/118 (100%)	-0.10	0 100 100	39, 53, 63, 76	0
14	1S	110/110 (100%)	-0.32	0 100 100	37, 51, 66, 69	0
14	2S	110/110 (100%)	0.31	5 (4%) 33 29	63, 75, 84, 86	0
15	1T	131/131 (100%)	-0.39	1 (0%) 86 86	32, 43, 70, 84	0
15	2T	131/131 (100%)	-0.31	0 100 100	48, 59, 79, 86	0
16	1U	116/116 (100%)	-0.46	0 100 100	19, 27, 42, 62	0
16	2U	116/116 (100%)	-0.15	0 100 100	41, 61, 77, 86	0
17	1V	101/101 (100%)	-0.39	0 100 100	17, 36, 54, 69	0
17	2V	101/101 (100%)	-0.11	1 (0%) 82 82	39, 72, 81, 89	0
18	1W	112/112 (100%)	-0.45	1 (0%) 84 84	19, 27, 50, 92	0
18	2W	112/112 (100%)	-0.25	0 100 100	38, 48, 67, 87	0
19	1X	95/95 (100%)	-0.37	0 100 100	22, 35, 62, 71	0
19	2X	95/95 (100%)	-0.06	1 (1%) 80 80	45, 61, 74, 78	0
20	1Y	107/107 (100%)	-0.32	1 (0%) 84 84	32, 47, 68, 78	0
20	2Y	107/107 (100%)	0.62	16 (14%) 2 1	55, 72, 84, 94	0
21	1Z	203/203 (100%)	-0.36	2 (0%) 82 82	40, 58, 77, 88	0
21	2Z	201/203 (99%)	0.18	7 (3%) 44 38	64, 79, 88, 95	0
22	10	77/77 (100%)	-0.29	1 (1%) 77 77	26, 35, 58, 65	0
22	20	77/77 (100%)	0.33	5 (6%) 18 14	53, 62, 74, 78	0
23	11	97/97 (100%)	-0.05	1 (1%) 82 82	25, 39, 67, 80	0
23	21	97/97 (100%)	-0.06	1 (1%) 82 82	40, 57, 79, 88	0
24	12	70/70 (100%)	-0.37	0 100 100	33, 47, 62, 82	0
24	22	70/70 (100%)	0.06	0 100 100	61, 71, 81, 83	0
25	13	59/59 (100%)	-0.35	0 100 100	21, 32, 58, 77	0
25	23	59/59 (100%)	0.62	6 (10%) 6 5	48, 62, 77, 82	0
26	14	69/69 (100%)	0.17	10 (14%) 2 1	63, 82, 96, 98	0
26	24	69/69 (100%)	1.04	17 (24%) 0 0	80, 92, 99, 100	0
27	15	59/59 (100%)	-0.41	0 100 100	15, 32, 48, 62	0
27	25	59/59 (100%)	-0.37	0 100 100	35, 52, 70, 76	0
28	16	53/53 (100%)	-0.40	0 100 100	32, 40, 55, 62	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/53 (100%)	-0.24	0 100 100	52, 62, 69, 76	0
29	17	48/48 (100%)	-0.20	1 (2%) 63 61	18, 24, 58, 65	0
29	27	48/48 (100%)	-0.12	0 100 100	32, 40, 66, 79	0
30	18	64/64 (100%)	-0.33	0 100 100	23, 30, 39, 48	0
30	28	64/64 (100%)	-0.02	0 100 100	41, 54, 64, 72	0
31	19	37/37 (100%)	-0.10	0 100 100	30, 40, 59, 71	0
31	29	37/37 (100%)	0.52	2 (5%) 25 22	61, 68, 79, 82	0
32	1a	1488/1521 (97%)	-0.02	48 (3%) 47 43	31, 74, 100, 114	0
32	2a	1492/1521 (98%)	-0.04	54 (3%) 42 37	41, 76, 100, 112	0
33	1b	231/231 (100%)	0.16	16 (6%) 16 13	67, 82, 92, 101	0
33	2b	231/231 (100%)	0.31	18 (7%) 13 10	68, 85, 94, 98	0
34	1c	206/206 (100%)	0.20	12 (5%) 23 19	70, 83, 92, 97	0
34	2c	206/206 (100%)	0.30	7 (3%) 45 40	77, 86, 93, 99	0
35	1d	208/208 (100%)	-0.06	5 (2%) 59 56	59, 76, 87, 91	0
35	2d	208/208 (100%)	-0.03	1 (0%) 91 91	61, 73, 84, 88	0
36	1e	148/148 (100%)	-0.14	1 (0%) 87 87	48, 69, 79, 96	0
36	2e	148/148 (100%)	-0.20	0 100 100	58, 71, 81, 89	0
37	1f	100/100 (100%)	-0.30	1 (1%) 82 82	53, 73, 80, 84	0
37	2f	100/100 (100%)	-0.44	0 100 100	57, 70, 82, 87	0
38	1g	155/155 (100%)	0.10	6 (3%) 39 35	67, 77, 86, 90	0
38	2g	155/155 (100%)	0.41	13 (8%) 11 8	73, 81, 89, 95	0
39	1h	137/137 (100%)	0.00	1 (0%) 87 87	55, 69, 77, 89	0
39	2h	137/137 (100%)	-0.12	1 (0%) 87 87	60, 72, 80, 87	0
40	1i	127/127 (100%)	0.56	11 (8%) 10 7	68, 86, 93, 97	0
40	2i	126/127 (99%)	1.03	22 (17%) 1 1	74, 88, 94, 97	0
41	1j	97/97 (100%)	1.13	21 (21%) 0 0	70, 87, 95, 98	0
41	2j	96/97 (98%)	1.08	20 (20%) 1 0	75, 89, 95, 97	0
42	1k	114/114 (100%)	-0.25	1 (0%) 84 84	40, 65, 81, 87	0
42	2k	114/114 (100%)	-0.06	1 (0%) 84 84	54, 71, 85, 91	0
43	1l	121/122 (99%)	-0.14	2 (1%) 70 69	47, 63, 75, 78	0
43	2l	121/122 (99%)	-0.14	0 100 100	54, 66, 75, 80	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	116/116 (100%)	0.31	7 (6%) 21 18	71, 81, 88, 91	0
44	2m	114/116 (98%)	0.39	8 (7%) 16 12	76, 88, 93, 95	0
45	1n	60/60 (100%)	0.38	1 (1%) 70 69	71, 80, 88, 89	0
45	2n	60/60 (100%)	0.90	11 (18%) 1 0	76, 88, 92, 95	0
46	1o	88/88 (100%)	0.05	3 (3%) 45 40	46, 68, 80, 84	0
46	2o	88/88 (100%)	-0.10	0 100 100	55, 71, 83, 86	0
47	1p	82/82 (100%)	0.41	6 (7%) 15 11	64, 77, 86, 90	0
47	2p	82/82 (100%)	0.20	3 (3%) 41 37	58, 70, 79, 87	0
48	1q	99/99 (100%)	-0.04	1 (1%) 82 82	53, 68, 80, 84	0
48	2q	99/99 (100%)	-0.13	1 (1%) 82 82	57, 70, 79, 83	0
49	1r	68/68 (100%)	0.27	3 (4%) 34 30	55, 67, 80, 86	0
49	2r	68/68 (100%)	0.13	3 (4%) 34 30	61, 71, 82, 86	0
50	1s	83/83 (100%)	0.73	10 (12%) 4 3	76, 84, 91, 94	0
50	2s	83/83 (100%)	1.81	35 (42%) 0 0	84, 91, 97, 99	0
51	1t	96/98 (97%)	0.33	3 (3%) 49 44	64, 75, 86, 92	0
51	2t	98/98 (100%)	0.12	1 (1%) 82 82	56, 69, 83, 85	0
52	1u	23/23 (100%)	1.17	5 (21%) 0 0	72, 77, 83, 85	0
52	2u	23/23 (100%)	1.76	10 (43%) 0 0	79, 86, 89, 90	0
53	1x	97/97 (100%)	0.07	2 (2%) 63 61	52, 67, 81, 86	0
53	2x	96/97 (98%)	1.95	45 (46%) 0 0	73, 82, 93, 96	0
54	1y	10/10 (100%)	-0.26	0 100 100	30, 33, 40, 40	0
54	2y	10/10 (100%)	-0.13	0 100 100	43, 47, 58, 58	0
All	All	20786/20974 (99%)	0.01	833 (4%) 38 33	15, 64, 93, 114	0

The worst 5 of 833 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1133	G	17.7
1	1A	1118	C	12.5
1	1A	1135	G	12.5
1	1A	1137	G	12.0
1	1A	1121	C	11.6

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
1	PSU	1A	1939	20/21	0.92	0.20	62,78,87,88	0
1	PSU	2A	1917	20/21	0.92	0.14	72,79,85,102	0
1	5MU	1A	1937	21/22	0.93	0.22	79,86,100,113	0
32	2MG	2a	1207	24/25	0.94	0.17	81,90,95,99	0
1	5MU	2A	1915	21/22	0.94	0.16	79,87,92,108	0
32	PSU	2a	516	20/21	0.94	0.16	72,83,88,90	0
32	PSU	1a	516	20/21	0.95	0.15	66,74,77,77	0
32	5MC	2a	967	21/22	0.95	0.15	67,73,82,90	0
32	5MC	1a	1407	21/22	0.96	0.14	44,53,58,61	0
32	M2G	1a	966	25/26	0.96	0.14	52,62,74,77	0
32	5MC	1a	967	21/22	0.96	0.14	57,65,75,83	0
43	0TD	2l	92	10/11	0.96	0.15	71,73,77,92	0
32	5MC	2a	1404	21/22	0.96	0.14	49,53,60,64	0
32	M2G	2a	966	25/26	0.96	0.14	67,71,86,94	0
32	7MG	2a	527	24/25	0.96	0.17	69,74,77,79	0
43	0TD	1l	92	10/11	0.96	0.14	63,65,74,80	0
32	4OC	2a	1402	22/23	0.96	0.16	52,60,65,67	0
32	2MG	1a	1207	24/25	0.96	0.12	76,81,85,85	0
32	5MC	2a	1400	21/22	0.96	0.20	65,74,78,83	0
1	PSU	2A	1911	20/21	0.96	0.11	65,73,80,81	0
1	2MA	2A	2503	23/24	0.97	0.21	30,35,40,48	0
32	5MC	2a	1407	21/22	0.97	0.14	50,59,63,65	0
32	4OC	1a	1402	22/23	0.97	0.17	45,52,58,61	0
32	UR3	1a	1498	21/22	0.97	0.19	41,50,56,59	0
1	4OC	1A	1942	21/23	0.97	0.16	47,59,64,65	0
32	7MG	1a	527	24/25	0.97	0.16	50,63,66,71	0
1	5MC	2A	1942	21/22	0.97	0.17	46,53,57,61	0
32	5MC	1a	1404	21/22	0.97	0.15	44,48,55,59	0
32	UR3	2a	1498	21/22	0.97	0.15	47,56,64,66	0
1	PSU	2A	2605	20/21	0.97	0.17	33,35,41,41	0
1	4OC	2A	1920	21/23	0.97	0.16	54,65,70,72	0
1	PSU	1A	1933	20/21	0.97	0.15	57,70,74,76	0
1	5MC	1A	1984	21/22	0.98	0.14	30,32,36,41	0
1	5MC	1A	1964	21/22	0.98	0.13	25,36,39,42	0
1	OMG	2A	2251	24/25	0.98	0.17	35,39,44,46	0
1	2MA	1A	2515	23/24	0.98	0.19	16,20,24,25	0
32	MA6	1a	1518	24/25	0.98	0.17	38,49,52,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
32	MA6	2a	1519	24/25	0.98	0.19	52,58,64,69	0
32	5MC	1a	1400	21/22	0.98	0.16	54,59,64,67	0
32	MA6	2a	1518	24/25	0.98	0.17	50,59,65,66	0
1	5MU	2A	1939	21/22	0.98	0.15	30,36,42,44	0
1	PSU	1A	2617	20/21	0.98	0.18	20,24,30,33	0
1	OMU	1A	2564	21/22	0.98	0.18	21,26,29,32	0
1	5MC	2A	1962	21/22	0.98	0.13	34,44,51,60	0
32	MA6	1a	1519	24/25	0.98	0.17	41,50,55,58	0
1	5MU	1A	1961	21/22	0.98	0.15	20,26,29,33	0
1	OMU	2A	2552	21/22	0.99	0.15	30,36,40,42	0
1	OMG	1A	2263	24/25	0.99	0.16	16,22,25,27	0

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 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(\AA^2)	Q<0.9
55	MG	2A	3533	1/1	0.04	0.39	99,99,99,99	0
55	MG	2A	3768	1/1	0.23	0.36	95,95,95,95	0
55	MG	2A	3606	1/1	0.32	0.27	68,68,68,68	0
55	MG	1P	203	1/1	0.34	0.20	90,90,90,90	0
55	MG	2A	3090	1/1	0.38	0.41	76,76,76,76	0
55	MG	2A	3792	1/1	0.41	1.02	79,79,79,79	0
55	MG	1a	3005	1/1	0.41	0.19	81,81,81,81	0
55	MG	2A	3455	1/1	0.41	0.58	59,59,59,59	0
55	MG	1a	3161	1/1	0.41	0.82	77,77,77,77	0
55	MG	2A	3010	1/1	0.42	0.32	63,63,63,63	0
55	MG	2A	3800	1/1	0.45	0.27	112,112,112,112	0
55	MG	1A	3861	1/1	0.45	0.08	82,82,82,82	0
55	MG	1A	3246	1/1	0.45	0.19	78,78,78,78	0
55	MG	2A	3129	1/1	0.46	0.62	75,75,75,75	0
55	MG	2A	3553	1/1	0.46	1.09	89,89,89,89	0
55	MG	1A	3702	1/1	0.48	0.72	55,55,55,55	0
55	MG	2B	3011	1/1	0.48	0.21	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	3149	1/1	0.48	0.23	104,104,104,104	0
55	MG	2A	3101	1/1	0.49	0.22	74,74,74,74	0
55	MG	1F	314	1/1	0.49	0.30	53,53,53,53	0
55	MG	2B	3012	1/1	0.49	0.09	87,87,87,87	0
55	MG	1a	3215	1/1	0.50	0.25	86,86,86,86	0
55	MG	2a	1686	1/1	0.51	0.25	108,108,108,108	0
55	MG	2A	3752	1/1	0.51	0.36	77,77,77,77	0
55	MG	2A	3502	1/1	0.51	0.31	70,70,70,70	0
55	MG	2A	3172	1/1	0.53	0.34	69,69,69,69	0
55	MG	1A	3516	1/1	0.54	0.51	35,35,35,35	0
55	MG	2A	3511	1/1	0.55	0.14	90,90,90,90	0
55	MG	2A	3064	1/1	0.56	0.10	72,72,72,72	0
55	MG	2A	3142	1/1	0.56	0.97	60,60,60,60	0
55	MG	2n	502	1/1	0.57	0.42	82,82,82,82	0
55	MG	1Q	204	1/1	0.57	0.47	52,52,52,52	0
55	MG	2A	3162	1/1	0.57	0.36	82,82,82,82	0
55	MG	2d	504	1/1	0.57	0.14	90,90,90,90	0
55	MG	1A	3848	1/1	0.58	0.66	68,68,68,68	0
55	MG	1A	3181	1/1	0.59	0.24	51,51,51,51	0
55	MG	1A	3095	1/1	0.59	0.78	61,61,61,61	0
55	MG	27	103	1/1	0.60	0.59	70,70,70,70	0
55	MG	2A	3706	1/1	0.60	0.13	90,90,90,90	0
55	MG	2A	3643	1/1	0.60	1.12	60,60,60,60	0
55	MG	2A	3563	1/1	0.60	0.65	77,77,77,77	0
55	MG	2A	3080	1/1	0.60	0.41	69,69,69,69	0
55	MG	2A	3510	1/1	0.60	0.21	103,103,103,103	0
55	MG	1B	3006	1/1	0.60	0.21	59,59,59,59	0
55	MG	2A	3672	1/1	0.61	0.28	59,59,59,59	0
55	MG	2a	1742	1/1	0.61	0.57	113,113,113,113	0
55	MG	1A	3077	1/1	0.61	0.61	47,47,47,47	0
55	MG	1a	3058	1/1	0.62	0.69	82,82,82,82	0
55	MG	1A	3899	1/1	0.63	0.38	51,51,51,51	0
55	MG	2A	3019	1/1	0.63	0.22	45,45,45,45	0
55	MG	2e	3002	1/1	0.63	0.34	83,83,83,83	0
55	MG	1B	3002	1/1	0.63	0.28	69,69,69,69	0
55	MG	2A	3320	1/1	0.64	0.13	79,79,79,79	0
55	MG	2B	3013	1/1	0.64	0.12	84,84,84,84	0
55	MG	2A	3074	1/1	0.64	0.45	48,48,48,48	0
55	MG	2A	3574	1/1	0.64	0.23	98,98,98,98	0
55	MG	1A	3131	1/1	0.64	0.21	62,62,62,62	0
55	MG	2A	3476	1/1	0.64	0.48	78,78,78,78	0
55	MG	1A	3456	1/1	0.64	0.23	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3396	1/1	0.64	0.48	66,66,66,66	0
55	MG	1A	3183	1/1	0.64	0.63	46,46,46,46	0
55	MG	2D	302	1/1	0.64	0.45	58,58,58,58	0
55	MG	2a	1770	1/1	0.64	0.18	75,75,75,75	0
55	MG	2A	3507	1/1	0.64	0.56	69,69,69,69	0
55	MG	2a	1731	1/1	0.65	0.10	90,90,90,90	0
55	MG	1A	3165	1/1	0.65	0.30	80,80,80,80	0
55	MG	1a	3004	1/1	0.65	0.19	69,69,69,69	0
55	MG	2A	3582	1/1	0.65	0.61	64,64,64,64	0
55	MG	1A	3244	1/1	0.65	0.81	72,72,72,72	0
55	MG	1a	3022	1/1	0.65	0.69	66,66,66,66	0
55	MG	2a	1747	1/1	0.65	0.23	94,94,94,94	0
55	MG	2G	3003	1/1	0.66	0.12	81,81,81,81	0
55	MG	1n	502	1/1	0.66	0.29	63,63,63,63	0
55	MG	1A	3498	1/1	0.66	0.10	70,70,70,70	0
55	MG	2A	3441	1/1	0.66	0.21	90,90,90,90	0
55	MG	1A	3684	1/1	0.66	0.26	49,49,49,49	0
55	MG	2a	1637	1/1	0.66	1.07	71,71,71,71	0
55	MG	1A	3503	1/1	0.66	0.40	77,77,77,77	0
55	MG	2A	3184	1/1	0.67	0.38	73,73,73,73	0
55	MG	1A	3084	1/1	0.67	0.69	47,47,47,47	0
55	MG	2a	1653	1/1	0.67	0.44	85,85,85,85	0
55	MG	2A	3246	1/1	0.67	0.09	92,92,92,92	0
55	MG	2a	1674	1/1	0.67	0.19	89,89,89,89	0
55	MG	2A	3813	1/1	0.67	0.46	57,57,57,57	0
55	MG	2a	1631	1/1	0.68	0.57	85,85,85,85	0
55	MG	1A	3105	1/1	0.68	0.30	46,46,46,46	0
55	MG	2a	1724	1/1	0.68	0.29	93,93,93,93	0
55	MG	2A	3637	1/1	0.68	0.07	61,61,61,61	0
55	MG	1A	3192	1/1	0.68	0.33	42,42,42,42	0
55	MG	2Q	8004	1/1	0.68	0.62	66,66,66,66	0
55	MG	1A	3592	1/1	0.68	0.38	70,70,70,70	0
55	MG	2A	3342	1/1	0.68	0.21	76,76,76,76	0
55	MG	2G	3001	1/1	0.68	0.29	90,90,90,90	0
55	MG	2A	3194	1/1	0.68	0.09	84,84,84,84	0
55	MG	1A	3611	1/1	0.69	0.46	65,65,65,65	0
55	MG	1A	3501	1/1	0.69	0.18	64,64,64,64	0
55	MG	2a	1734	1/1	0.69	0.40	57,57,57,57	0
55	MG	2A	3425	1/1	0.69	0.22	71,71,71,71	0
55	MG	2A	3816	1/1	0.69	0.32	51,51,51,51	0
55	MG	1a	3218	1/1	0.69	0.30	72,72,72,72	0
55	MG	1A	3118	1/1	0.69	0.28	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3889	1/1	0.69	0.40	46,46,46,46	0
55	MG	2G	3002	1/1	0.69	0.26	90,90,90,90	0
55	MG	2A	3742	1/1	0.69	0.38	70,70,70,70	0
55	MG	1a	3034	1/1	0.69	0.22	84,84,84,84	0
55	MG	2A	3099	1/1	0.70	0.31	52,52,52,52	0
55	MG	1a	3074	1/1	0.70	0.35	65,65,65,65	0
55	MG	1a	3168	1/1	0.70	0.10	79,79,79,79	0
55	MG	2a	1609	1/1	0.70	1.46	77,77,77,77	0
55	MG	1A	3230	1/1	0.70	0.34	50,50,50,50	0
55	MG	1a	3114	1/1	0.70	0.11	74,74,74,74	0
55	MG	18	3301	1/1	0.70	0.63	70,70,70,70	0
55	MG	1A	3917	1/1	0.70	0.31	36,36,36,36	0
55	MG	2D	304	1/1	0.70	0.27	55,55,55,55	0
55	MG	1a	3064	1/1	0.70	0.25	78,78,78,78	0
55	MG	2A	3480	1/1	0.70	0.23	81,81,81,81	0
55	MG	2A	3489	1/1	0.70	0.16	81,81,81,81	0
55	MG	2A	3155	1/1	0.71	0.85	50,50,50,50	0
55	MG	2a	1719	1/1	0.71	0.22	75,75,75,75	0
55	MG	2a	1651	1/1	0.71	0.12	69,69,69,69	0
55	MG	1a	3132	1/1	0.71	0.24	91,91,91,91	0
55	MG	2A	3150	1/1	0.71	0.42	49,49,49,49	0
55	MG	1A	3236	1/1	0.71	0.23	79,79,79,79	0
55	MG	2a	1772	1/1	0.71	0.38	92,92,92,92	0
55	MG	2a	1636	1/1	0.71	0.62	83,83,83,83	0
55	MG	2a	1787	1/1	0.71	0.18	80,80,80,80	0
55	MG	1B	3015	1/1	0.71	0.16	66,66,66,66	0
55	MG	1A	3552	1/1	0.71	0.39	45,45,45,45	0
55	MG	2a	1717	1/1	0.71	0.17	73,73,73,73	0
55	MG	1A	3734	1/1	0.71	0.41	45,45,45,45	0
55	MG	1A	3259	1/1	0.71	0.19	52,52,52,52	0
55	MG	2A	3642	1/1	0.71	0.12	82,82,82,82	0
55	MG	2A	3105	1/1	0.71	0.26	82,82,82,82	0
55	MG	2A	3109	1/1	0.72	0.56	64,64,64,64	0
55	MG	2a	1730	1/1	0.72	0.27	92,92,92,92	0
55	MG	2a	1625	1/1	0.72	0.32	70,70,70,70	0
55	MG	1A	3578	1/1	0.72	0.15	86,86,86,86	0
55	MG	1A	3623	1/1	0.72	0.30	56,56,56,56	0
55	MG	1a	3108	1/1	0.72	0.06	81,81,81,81	0
55	MG	1A	3895	1/1	0.72	0.48	65,65,65,65	0
55	MG	1a	3073	1/1	0.72	0.19	74,74,74,74	0
55	MG	2a	1722	1/1	0.72	0.17	82,82,82,82	0
55	MG	2A	3004	1/1	0.72	0.28	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3719	1/1	0.72	0.17	70,70,70,70	0
55	MG	1A	3790	1/1	0.73	0.20	84,84,84,84	0
55	MG	1A	3659	1/1	0.73	0.12	57,57,57,57	0
55	MG	2A	3104	1/1	0.73	0.16	56,56,56,56	0
55	MG	2A	3627	1/1	0.73	0.24	66,66,66,66	0
55	MG	2a	1768	1/1	0.73	0.10	80,80,80,80	0
55	MG	2A	3559	1/1	0.73	0.40	64,64,64,64	0
55	MG	2A	3307	1/1	0.73	0.10	54,54,54,54	0
55	MG	2A	3586	1/1	0.73	0.17	101,101,101,101	0
55	MG	2A	3386	1/1	0.73	0.28	102,102,102,102	0
55	MG	1d	503	1/1	0.73	0.34	63,63,63,63	0
55	MG	2A	3445	1/1	0.73	0.32	48,48,48,48	0
55	MG	15	104	1/1	0.73	0.30	26,26,26,26	0
55	MG	1A	3228	1/1	0.73	0.36	28,28,28,28	0
55	MG	2a	1656	1/1	0.73	0.41	72,72,72,72	0
55	MG	2A	3819	1/1	0.73	0.17	90,90,90,90	0
55	MG	1A	3186	1/1	0.73	0.23	72,72,72,72	0
55	MG	2A	3809	1/1	0.73	0.29	75,75,75,75	0
55	MG	2A	3257	1/1	0.74	0.50	68,68,68,68	0
55	MG	1A	3837	1/1	0.74	0.07	84,84,84,84	0
55	MG	1A	3143	1/1	0.74	0.50	45,45,45,45	0
55	MG	1a	3038	1/1	0.74	0.78	79,79,79,79	0
55	MG	2A	3329	1/1	0.74	0.11	88,88,88,88	0
55	MG	1A	3563	1/1	0.74	0.23	59,59,59,59	0
55	MG	1a	3150	1/1	0.74	0.32	99,99,99,99	0
55	MG	1a	3063	1/1	0.74	0.98	64,64,64,64	0
55	MG	1A	3361	1/1	0.74	0.10	75,75,75,75	0
55	MG	2A	3717	1/1	0.74	0.18	92,92,92,92	0
55	MG	1A	3058	1/1	0.74	0.16	65,65,65,65	0
55	MG	2A	3047	1/1	0.74	0.89	63,63,63,63	0
55	MG	2A	3471	1/1	0.74	0.15	79,79,79,79	0
55	MG	1A	3654	1/1	0.74	0.11	41,41,41,41	0
55	MG	2a	1643	1/1	0.74	0.32	73,73,73,73	0
55	MG	1A	3913	1/1	0.74	0.42	63,63,63,63	0
55	MG	2a	1642	1/1	0.74	0.14	68,68,68,68	0
55	MG	1A	3220	1/1	0.74	0.71	77,77,77,77	0
55	MG	1A	3119	1/1	0.74	0.39	33,33,33,33	0
55	MG	2a	1710	1/1	0.74	0.43	86,86,86,86	0
55	MG	1A	3509	1/1	0.75	0.34	38,38,38,38	0
55	MG	1A	3519	1/1	0.75	0.12	46,46,46,46	0
55	MG	2A	3030	1/1	0.75	0.21	69,69,69,69	0
55	MG	1A	3148	1/1	0.75	0.25	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3641	1/1	0.75	0.13	77,77,77,77	0
55	MG	2A	3485	1/1	0.75	0.48	73,73,73,73	0
55	MG	2A	3673	1/1	0.75	0.35	65,65,65,65	0
55	MG	1a	3184	1/1	0.75	0.11	73,73,73,73	0
55	MG	1A	3808	1/1	0.75	0.25	38,38,38,38	0
55	MG	1A	3914	1/1	0.75	0.47	62,62,62,62	0
55	MG	2B	3015	1/1	0.75	0.15	85,85,85,85	0
55	MG	2a	1741	1/1	0.75	0.07	75,75,75,75	0
55	MG	2A	3138	1/1	0.75	0.71	48,48,48,48	0
55	MG	2a	1652	1/1	0.75	0.35	90,90,90,90	0
55	MG	2A	3091	1/1	0.75	0.44	54,54,54,54	0
55	MG	1A	3602	1/1	0.75	0.23	76,76,76,76	0
55	MG	1a	3179	1/1	0.76	0.07	78,78,78,78	0
55	MG	2A	3024	1/1	0.76	0.26	58,58,58,58	0
55	MG	2A	3685	1/1	0.76	0.29	54,54,54,54	0
55	MG	2A	3478	1/1	0.76	0.18	94,94,94,94	0
55	MG	2A	3777	1/1	0.76	0.22	83,83,83,83	0
55	MG	2A	3773	1/1	0.76	0.12	85,85,85,85	0
55	MG	2A	3650	1/1	0.76	0.34	55,55,55,55	0
55	MG	1A	3554	1/1	0.76	0.23	69,69,69,69	0
55	MG	28	101	1/1	0.76	1.05	64,64,64,64	0
55	MG	2P	202	1/1	0.76	0.54	73,73,73,73	0
55	MG	1a	3123	1/1	0.76	0.17	86,86,86,86	0
55	MG	2m	201	1/1	0.76	0.11	79,79,79,79	0
55	MG	2a	1614	1/1	0.76	1.41	75,75,75,75	0
55	MG	2A	3154	1/1	0.76	0.89	61,61,61,61	0
55	MG	1A	3144	1/1	0.77	0.38	64,64,64,64	0
55	MG	2a	1727	1/1	0.77	0.39	91,91,91,91	0
55	MG	2A	3113	1/1	0.77	0.20	66,66,66,66	0
55	MG	1A	3538	1/1	0.77	0.26	60,60,60,60	0
55	MG	2H	201	1/1	0.77	0.81	108,108,108,108	0
55	MG	2A	3008	1/1	0.77	0.35	69,69,69,69	0
55	MG	1a	3144	1/1	0.77	0.28	75,75,75,75	0
55	MG	1A	3193	1/1	0.77	0.42	42,42,42,42	0
55	MG	2a	1646	1/1	0.77	0.22	56,56,56,56	0
55	MG	28	102	1/1	0.77	0.70	59,59,59,59	0
55	MG	2A	3522	1/1	0.77	0.16	82,82,82,82	0
55	MG	2A	3163	1/1	0.77	0.53	78,78,78,78	0
55	MG	1A	3204	1/1	0.77	0.63	39,39,39,39	0
55	MG	1A	3210	1/1	0.77	0.25	45,45,45,45	0
55	MG	1A	3733	1/1	0.77	0.39	27,27,27,27	0
55	MG	1A	3900	1/1	0.77	0.23	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1694	1/1	0.77	0.23	78,78,78,78	0
55	MG	1A	3589	1/1	0.77	0.27	36,36,36,36	0
55	MG	1A	3624	1/1	0.77	0.31	68,68,68,68	0
55	MG	2A	3058	1/1	0.77	1.09	53,53,53,53	0
55	MG	1A	3071	1/1	0.77	0.51	42,42,42,42	0
55	MG	1A	3905	1/1	0.77	0.74	45,45,45,45	0
55	MG	1A	3604	1/1	0.77	0.13	52,52,52,52	0
55	MG	1A	3506	1/1	0.77	0.17	71,71,71,71	0
55	MG	2a	1644	1/1	0.77	0.18	67,67,67,67	0
55	MG	2A	3108	1/1	0.78	0.29	84,84,84,84	0
55	MG	1A	3457	1/1	0.78	0.10	24,24,24,24	0
55	MG	1A	3878	1/1	0.78	0.28	46,46,46,46	0
55	MG	1A	3599	1/1	0.78	0.07	50,50,50,50	0
55	MG	1a	3076	1/1	0.78	0.22	74,74,74,74	0
55	MG	1A	3031	1/1	0.78	0.21	22,22,22,22	0
55	MG	2A	3423	1/1	0.78	0.10	79,79,79,79	0
55	MG	1E	306	1/1	0.78	0.18	52,52,52,52	0
55	MG	2A	3629	1/1	0.78	0.10	74,74,74,74	0
55	MG	1A	3526	1/1	0.78	0.14	64,64,64,64	0
55	MG	1A	3548	1/1	0.78	0.26	39,39,39,39	0
55	MG	1A	3173	1/1	0.78	1.04	63,63,63,63	0
55	MG	1A	3124	1/1	0.78	0.24	63,63,63,63	0
55	MG	1A	3648	1/1	0.78	0.12	90,90,90,90	0
55	MG	2A	3393	1/1	0.78	0.14	52,52,52,52	0
55	MG	1A	3196	1/1	0.78	0.24	36,36,36,36	0
55	MG	1a	3048	1/1	0.78	0.14	66,66,66,66	0
55	MG	2A	3193	1/1	0.78	0.10	76,76,76,76	0
55	MG	2A	3736	1/1	0.78	0.12	95,95,95,95	0
55	MG	2A	3248	1/1	0.78	0.05	81,81,81,81	0
55	MG	2A	3771	1/1	0.78	0.13	68,68,68,68	0
55	MG	2A	3192	1/1	0.78	1.03	64,64,64,64	0
55	MG	2A	3131	1/1	0.78	0.31	65,65,65,65	0
55	MG	2A	3543	1/1	0.78	0.39	82,82,82,82	0
55	MG	1A	3725	1/1	0.78	0.54	44,44,44,44	0
55	MG	2A	3252	1/1	0.78	0.21	69,69,69,69	0
55	MG	1A	3890	1/1	0.78	0.21	73,73,73,73	0
55	MG	2A	3136	1/1	0.79	0.48	55,55,55,55	0
55	MG	2A	3431	1/1	0.79	0.32	77,77,77,77	0
55	MG	1a	3028	1/1	0.79	0.23	55,55,55,55	0
55	MG	2A	3497	1/1	0.79	0.14	89,89,89,89	0
55	MG	1A	3189	1/1	0.79	0.32	43,43,43,43	0
55	MG	1A	3630	1/1	0.79	0.21	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3375	1/1	0.79	0.48	49,49,49,49	0
55	MG	1A	3634	1/1	0.79	0.23	38,38,38,38	0
55	MG	1A	3853	1/1	0.79	0.10	25,25,25,25	0
55	MG	1V	201	1/1	0.79	0.66	25,25,25,25	0
55	MG	2A	3794	1/1	0.79	0.14	75,75,75,75	0
55	MG	2B	3005	1/1	0.79	0.10	69,69,69,69	0
55	MG	2A	3044	1/1	0.79	0.10	79,79,79,79	0
55	MG	2A	3655	1/1	0.79	0.27	60,60,60,60	0
55	MG	2A	3765	1/1	0.79	0.55	59,59,59,59	0
55	MG	2A	3438	1/1	0.79	0.09	81,81,81,81	0
55	MG	2A	3762	1/1	0.79	0.61	60,60,60,60	0
55	MG	2X	102	1/1	0.79	0.47	82,82,82,82	0
55	MG	2I	201	1/1	0.80	0.15	79,79,79,79	0
55	MG	1A	3835	1/1	0.80	0.07	48,48,48,48	0
55	MG	2A	3290	1/1	0.80	0.18	64,64,64,64	0
55	MG	1A	3758	1/1	0.80	0.63	53,53,53,53	0
55	MG	2A	3779	1/1	0.80	0.08	72,72,72,72	0
55	MG	1A	3745	1/1	0.80	0.07	54,54,54,54	0
55	MG	2a	1629	1/1	0.80	0.15	90,90,90,90	0
55	MG	1A	3433	1/1	0.80	0.32	51,51,51,51	0
55	MG	2A	3677	1/1	0.80	0.19	56,56,56,56	0
55	MG	1B	3021	1/1	0.80	0.11	66,66,66,66	0
55	MG	1h	3001	1/1	0.80	0.67	63,63,63,63	0
55	MG	1A	3574	1/1	0.80	0.29	64,64,64,64	0
55	MG	1A	3167	1/1	0.80	0.30	52,52,52,52	0
55	MG	1A	3041	1/1	0.80	0.37	62,62,62,62	0
55	MG	2A	3487	1/1	0.80	0.38	68,68,68,68	0
55	MG	2R	202	1/1	0.80	0.37	74,74,74,74	0
55	MG	1A	3896	1/1	0.80	0.60	37,37,37,37	0
55	MG	1A	3760	1/1	0.80	0.27	65,65,65,65	0
55	MG	2S	201	1/1	0.80	0.37	67,67,67,67	0
55	MG	1A	3253	1/1	0.80	0.24	53,53,53,53	0
55	MG	1A	3459	1/1	0.80	0.34	50,50,50,50	0
55	MG	2h	8001	1/1	0.80	0.29	77,77,77,77	0
55	MG	1A	3533	1/1	0.80	0.15	60,60,60,60	0
55	MG	2A	3161	1/1	0.80	0.61	54,54,54,54	0
55	MG	2A	3632	1/1	0.80	0.24	97,97,97,97	0
55	MG	1A	3098	1/1	0.80	0.37	38,38,38,38	0
55	MG	2A	3520	1/1	0.80	0.60	65,65,65,65	0
55	MG	1A	3190	1/1	0.80	0.12	72,72,72,72	0
55	MG	1a	3186	1/1	0.80	0.08	69,69,69,69	0
55	MG	1A	3106	1/1	0.80	0.43	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3555	1/1	0.80	0.53	52,52,52,52	0
55	MG	1A	3134	1/1	0.80	0.23	65,65,65,65	0
55	MG	2A	3377	1/1	0.81	0.10	94,94,94,94	0
55	MG	1A	3901	1/1	0.81	0.16	42,42,42,42	0
55	MG	1A	3090	1/1	0.81	0.45	37,37,37,37	0
55	MG	1A	3794	1/1	0.81	0.22	59,59,59,59	0
55	MG	1a	3040	1/1	0.81	0.25	75,75,75,75	0
55	MG	1A	3854	1/1	0.81	0.12	72,72,72,72	0
55	MG	1A	3855	1/1	0.81	0.27	48,48,48,48	0
55	MG	2A	3804	1/1	0.81	0.20	35,35,35,35	0
55	MG	2A	3530	1/1	0.81	0.86	52,52,52,52	0
55	MG	2A	3195	1/1	0.81	0.14	55,55,55,55	0
55	MG	1a	3057	1/1	0.81	0.34	81,81,81,81	0
55	MG	2E	303	1/1	0.81	1.03	71,71,71,71	0
55	MG	1W	3003	1/1	0.81	0.47	41,41,41,41	0
55	MG	2A	3117	1/1	0.81	0.25	58,58,58,58	0
55	MG	2B	3018	1/1	0.81	0.39	92,92,92,92	0
55	MG	1B	3003	1/1	0.81	0.14	64,64,64,64	0
55	MG	2B	3016	1/1	0.81	0.15	90,90,90,90	0
55	MG	2a	1736	1/1	0.81	0.34	78,78,78,78	0
55	MG	1A	3840	1/1	0.81	0.29	61,61,61,61	0
55	MG	1A	3400	1/1	0.81	0.23	63,63,63,63	0
55	MG	2A	3636	1/1	0.81	0.08	73,73,73,73	0
55	MG	20	101	1/1	0.81	0.43	64,64,64,64	0
55	MG	1a	3139	1/1	0.81	0.19	69,69,69,69	0
55	MG	2A	3631	1/1	0.81	0.32	86,86,86,86	0
55	MG	1o	3001	1/1	0.81	0.26	52,52,52,52	0
55	MG	2A	3022	1/1	0.81	0.14	68,68,68,68	0
55	MG	2a	1645	1/1	0.81	0.32	63,63,63,63	0
55	MG	2A	3072	1/1	0.81	0.33	57,57,57,57	0
55	MG	1A	3116	1/1	0.81	0.12	74,74,74,74	0
55	MG	1A	3175	1/1	0.81	0.55	56,56,56,56	0
55	MG	1A	3202	1/1	0.81	0.24	63,63,63,63	0
55	MG	2A	3059	1/1	0.81	0.56	64,64,64,64	0
55	MG	1A	3764	1/1	0.81	0.09	67,67,67,67	0
55	MG	2A	3114	1/1	0.81	0.30	62,62,62,62	0
55	MG	2a	1699	1/1	0.81	0.12	74,74,74,74	0
55	MG	2g	3001	1/1	0.81	0.18	72,72,72,72	0
55	MG	1A	3032	1/1	0.81	0.29	45,45,45,45	0
55	MG	1b	3001	1/1	0.81	0.13	81,81,81,81	0
55	MG	2A	3270	1/1	0.81	0.18	58,58,58,58	0
55	MG	2a	1766	1/1	0.81	0.10	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	15	101	1/1	0.81	0.25	42,42,42,42	0
55	MG	2A	3707	1/1	0.81	0.46	75,75,75,75	0
55	MG	2a	1623	1/1	0.81	0.25	78,78,78,78	0
55	MG	1F	303	1/1	0.81	0.63	43,43,43,43	0
55	MG	2A	3803	1/1	0.81	0.54	69,69,69,69	0
55	MG	1A	3164	1/1	0.81	0.31	59,59,59,59	0
55	MG	1A	3315	1/1	0.81	0.28	45,45,45,45	0
55	MG	2a	1670	1/1	0.81	0.12	84,84,84,84	0
55	MG	1A	3573	1/1	0.82	0.68	37,37,37,37	0
55	MG	1A	3248	1/1	0.82	0.41	51,51,51,51	0
55	MG	1A	3631	1/1	0.82	0.18	59,59,59,59	0
55	MG	1A	3675	1/1	0.82	0.57	47,47,47,47	0
55	MG	1A	3517	1/1	0.82	0.20	68,68,68,68	0
55	MG	1A	3839	1/1	0.82	0.15	59,59,59,59	0
55	MG	2A	3815	1/1	0.82	0.46	67,67,67,67	0
55	MG	1A	3278	1/1	0.82	0.32	37,37,37,37	0
55	MG	1A	3600	1/1	0.82	0.09	67,67,67,67	0
55	MG	1F	302	1/1	0.82	0.22	35,35,35,35	0
55	MG	2a	1774	1/1	0.82	0.10	91,91,91,91	0
55	MG	1a	3077	1/1	0.82	0.44	81,81,81,81	0
55	MG	2A	3201	1/1	0.82	0.23	48,48,48,48	0
55	MG	1A	3324	1/1	0.82	0.14	40,40,40,40	0
55	MG	2A	3027	1/1	0.82	0.26	70,70,70,70	0
55	MG	2A	3151	1/1	0.82	1.44	62,62,62,62	0
55	MG	1a	3199	1/1	0.82	0.07	68,68,68,68	0
55	MG	2A	3034	1/1	0.82	0.20	54,54,54,54	0
55	MG	1A	3120	1/1	0.82	0.61	34,34,34,34	0
55	MG	2A	3456	1/1	0.82	0.36	70,70,70,70	0
55	MG	1a	3041	1/1	0.82	0.18	72,72,72,72	0
55	MG	1A	3221	1/1	0.82	0.15	56,56,56,56	0
55	MG	2A	3180	1/1	0.82	0.23	63,63,63,63	0
55	MG	2A	3068	1/1	0.82	0.33	56,56,56,56	0
55	MG	1a	3160	1/1	0.82	0.25	84,84,84,84	0
55	MG	1D	308	1/1	0.82	0.09	58,58,58,58	0
55	MG	2A	3805	1/1	0.82	0.14	74,74,74,74	0
55	MG	1A	3806	1/1	0.82	0.12	65,65,65,65	0
55	MG	1A	3569	1/1	0.82	0.16	43,43,43,43	0
55	MG	11	103	1/1	0.82	0.19	50,50,50,50	0
55	MG	1A	3660	1/1	0.82	0.36	56,56,56,56	0
55	MG	1A	3753	1/1	0.82	0.17	67,67,67,67	0
55	MG	2A	3088	1/1	0.82	0.07	81,81,81,81	0
55	MG	1A	3404	1/1	0.82	0.09	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3610	1/1	0.82	0.20	70,70,70,70	0
55	MG	1A	3678	1/1	0.82	0.38	37,37,37,37	0
55	MG	27	104	1/1	0.82	0.18	67,67,67,67	0
55	MG	2A	3462	1/1	0.82	0.19	62,62,62,62	0
55	MG	2a	1641	1/1	0.82	0.23	77,77,77,77	0
55	MG	1A	3703	1/1	0.82	0.50	30,30,30,30	0
55	MG	2A	3062	1/1	0.82	0.79	47,47,47,47	0
55	MG	2A	3675	1/1	0.82	0.16	70,70,70,70	0
55	MG	1A	3199	1/1	0.82	0.46	34,34,34,34	0
55	MG	2A	3140	1/1	0.82	0.33	61,61,61,61	0
55	MG	2A	3256	1/1	0.82	0.11	84,84,84,84	0
55	MG	1A	3838	1/1	0.82	0.47	45,45,45,45	0
55	MG	1a	3185	1/1	0.82	0.17	68,68,68,68	0
55	MG	2a	1754	1/1	0.82	0.17	85,85,85,85	0
55	MG	1A	3147	1/1	0.82	0.19	40,40,40,40	0
55	MG	2A	3132	1/1	0.83	0.39	63,63,63,63	0
55	MG	1A	3608	1/1	0.83	0.23	74,74,74,74	0
55	MG	10	104	1/1	0.83	0.11	50,50,50,50	0
55	MG	1a	3001	1/1	0.83	0.05	76,76,76,76	0
55	MG	2A	3457	1/1	0.83	0.34	90,90,90,90	0
55	MG	1A	3111	1/1	0.83	0.41	42,42,42,42	0
55	MG	11	101	1/1	0.83	1.57	54,54,54,54	0
55	MG	1A	3875	1/1	0.83	0.26	44,44,44,44	0
55	MG	1A	3089	1/1	0.83	0.37	37,37,37,37	0
55	MG	1A	3066	1/1	0.83	0.61	45,45,45,45	0
55	MG	2A	3094	1/1	0.83	0.82	59,59,59,59	0
55	MG	1a	3143	1/1	0.83	0.10	87,87,87,87	0
55	MG	2d	505	1/1	0.83	0.38	101,101,101,101	0
55	MG	1A	3695	1/1	0.83	0.30	60,60,60,60	0
55	MG	1B	3019	1/1	0.83	0.15	60,60,60,60	0
55	MG	1A	3713	1/1	0.83	0.20	98,98,98,98	0
55	MG	2A	3784	1/1	0.83	0.14	94,94,94,94	0
55	MG	2A	3224	1/1	0.83	0.17	69,69,69,69	0
55	MG	2A	3304	1/1	0.83	0.09	48,48,48,48	0
55	MG	2A	3141	1/1	0.83	0.57	51,51,51,51	0
55	MG	2a	1697	1/1	0.83	0.08	80,80,80,80	0
55	MG	1A	3869	1/1	0.83	0.18	39,39,39,39	0
55	MG	1A	3321	1/1	0.83	0.16	55,55,55,55	0
55	MG	2A	3756	1/1	0.83	1.03	95,95,95,95	0
55	MG	1a	3169	1/1	0.83	0.37	95,95,95,95	0
55	MG	1A	3464	1/1	0.83	0.64	35,35,35,35	0
55	MG	1A	3004	1/1	0.83	0.27	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3646	1/1	0.83	0.38	53,53,53,53	0
55	MG	2A	3535	1/1	0.83	0.27	86,86,86,86	0
55	MG	2A	3477	1/1	0.83	0.29	68,68,68,68	0
55	MG	2A	3754	1/1	0.83	0.24	101,101,101,101	0
55	MG	2A	3612	1/1	0.83	0.16	38,38,38,38	0
55	MG	2A	3610	1/1	0.83	0.11	81,81,81,81	0
55	MG	27	102	1/1	0.83	0.78	49,49,49,49	0
55	MG	2B	3004	1/1	0.83	0.18	76,76,76,76	0
55	MG	1D	315	1/1	0.83	0.35	68,68,68,68	0
55	MG	2A	3579	1/1	0.83	0.28	75,75,75,75	0
55	MG	1a	3170	1/1	0.83	0.27	82,82,82,82	0
55	MG	2A	3273	1/1	0.83	0.11	60,60,60,60	0
55	MG	1A	3490	1/1	0.83	0.18	62,62,62,62	0
55	MG	1d	504	1/1	0.83	0.27	75,75,75,75	0
55	MG	2A	3078	1/1	0.83	0.61	51,51,51,51	0
55	MG	18	3302	1/1	0.83	0.54	40,40,40,40	0
55	MG	1A	3676	1/1	0.83	0.22	70,70,70,70	0
55	MG	2A	3747	1/1	0.83	0.08	75,75,75,75	0
55	MG	1a	3012	1/1	0.83	0.15	68,68,68,68	0
55	MG	1A	3722	1/1	0.83	0.14	62,62,62,62	0
55	MG	1a	3181	1/1	0.83	0.08	74,74,74,74	0
55	MG	15	102	1/1	0.83	0.91	43,43,43,43	0
55	MG	2A	3221	1/1	0.84	0.25	52,52,52,52	0
55	MG	1A	3074	1/1	0.84	0.68	29,29,29,29	0
55	MG	1A	3570	1/1	0.84	0.28	48,48,48,48	0
55	MG	1D	302	1/1	0.84	0.81	35,35,35,35	0
55	MG	2A	3305	1/1	0.84	0.07	84,84,84,84	0
55	MG	1A	3151	1/1	0.84	0.17	46,46,46,46	0
55	MG	2A	3720	1/1	0.84	0.28	58,58,58,58	0
55	MG	2A	3746	1/1	0.84	0.18	69,69,69,69	0
55	MG	2A	3046	1/1	0.84	0.16	51,51,51,51	0
55	MG	1a	3216	1/1	0.84	0.07	100,100,100,100	0
55	MG	2A	3211	1/1	0.84	0.14	45,45,45,45	0
55	MG	2A	3415	1/1	0.84	0.07	80,80,80,80	0
55	MG	2A	3250	1/1	0.84	0.09	31,31,31,31	0
55	MG	2A	3590	1/1	0.84	0.47	65,65,65,65	0
55	MG	1F	311	1/1	0.84	0.40	25,25,25,25	0
55	MG	1A	3205	1/1	0.84	0.51	44,44,44,44	0
55	MG	1A	3783	1/1	0.84	0.10	55,55,55,55	0
55	MG	1R	204	1/1	0.84	0.24	53,53,53,53	0
55	MG	2A	3542	1/1	0.84	0.16	88,88,88,88	0
55	MG	1a	3152	1/1	0.84	0.16	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3184	1/1	0.84	0.48	37,37,37,37	0
55	MG	2A	3175	1/1	0.84	0.99	69,69,69,69	0
55	MG	2A	3299	1/1	0.84	0.21	75,75,75,75	0
55	MG	1A	3876	1/1	0.84	0.05	64,64,64,64	0
55	MG	2B	3014	1/1	0.84	0.12	76,76,76,76	0
55	MG	1a	3194	1/1	0.84	0.10	83,83,83,83	0
55	MG	2A	3146	1/1	0.84	0.62	53,53,53,53	0
55	MG	1A	3227	1/1	0.84	0.41	34,34,34,34	0
55	MG	1a	3148	1/1	0.84	0.13	82,82,82,82	0
55	MG	2A	3812	1/1	0.84	0.23	60,60,60,60	0
55	MG	1A	3092	1/1	0.84	0.28	37,37,37,37	0
55	MG	1A	3180	1/1	0.84	0.37	48,48,48,48	0
55	MG	1A	3658	1/1	0.84	0.50	38,38,38,38	0
55	MG	2a	1620	1/1	0.84	0.26	77,77,77,77	0
55	MG	2A	3244	1/1	0.84	0.54	53,53,53,53	0
55	MG	2A	3086	1/1	0.84	0.30	56,56,56,56	0
55	MG	2A	3065	1/1	0.84	0.14	56,56,56,56	0
55	MG	2A	3523	1/1	0.84	0.25	61,61,61,61	0
55	MG	1A	3135	1/1	0.84	0.20	37,37,37,37	0
55	MG	2A	3482	1/1	0.84	0.39	54,54,54,54	0
55	MG	2A	3389	1/1	0.84	0.17	46,46,46,46	0
55	MG	10	101	1/1	0.84	0.66	52,52,52,52	0
55	MG	1A	3150	1/1	0.84	0.15	39,39,39,39	0
55	MG	1A	3011	1/1	0.84	0.36	41,41,41,41	0
55	MG	2A	3134	1/1	0.84	0.82	70,70,70,70	0
55	MG	1A	3885	1/1	0.84	0.23	37,37,37,37	0
55	MG	2A	3228	1/1	0.84	0.21	51,51,51,51	0
55	MG	1A	3911	1/1	0.84	0.29	39,39,39,39	0
55	MG	2A	3469	1/1	0.84	0.13	68,68,68,68	0
55	MG	1a	3047	1/1	0.84	0.20	68,68,68,68	0
55	MG	1a	3017	1/1	0.84	0.31	65,65,65,65	0
55	MG	2V	201	1/1	0.84	0.78	55,55,55,55	0
55	MG	2A	3539	1/1	0.84	0.09	74,74,74,74	0
55	MG	1a	3039	1/1	0.84	0.38	62,62,62,62	0
55	MG	2A	3338	1/1	0.84	0.71	70,70,70,70	0
55	MG	1D	313	1/1	0.84	0.20	51,51,51,51	0
55	MG	2a	1776	1/1	0.84	0.10	80,80,80,80	0
55	MG	2A	3486	1/1	0.84	1.38	57,57,57,57	0
55	MG	1a	3029	1/1	0.84	0.09	55,55,55,55	0
55	MG	1A	3605	1/1	0.84	0.54	38,38,38,38	0
55	MG	1a	3222	1/1	0.84	0.44	62,62,62,62	0
55	MG	1e	3002	1/1	0.85	0.50	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3647	1/1	0.85	0.23	88,88,88,88	0
55	MG	1A	3160	1/1	0.85	0.98	40,40,40,40	0
55	MG	1A	3859	1/1	0.85	0.34	87,87,87,87	0
55	MG	2a	1682	1/1	0.85	0.45	88,88,88,88	0
55	MG	2a	1683	1/1	0.85	0.16	67,67,67,67	0
55	MG	2A	3420	1/1	0.85	0.09	60,60,60,60	0
55	MG	2A	3081	1/1	0.85	0.16	46,46,46,46	0
55	MG	2a	1606	1/1	0.85	0.64	69,69,69,69	0
55	MG	1P	204	1/1	0.85	0.12	35,35,35,35	0
55	MG	2A	3463	1/1	0.85	0.33	76,76,76,76	0
55	MG	2A	3152	1/1	0.85	0.44	59,59,59,59	0
55	MG	1E	303	1/1	0.85	0.39	39,39,39,39	0
55	MG	2A	3726	1/1	0.85	0.09	41,41,41,41	0
55	MG	2a	1708	1/1	0.85	0.11	83,83,83,83	0
55	MG	17	105	1/1	0.85	0.25	52,52,52,52	0
55	MG	1A	3262	1/1	0.85	0.20	84,84,84,84	0
55	MG	1A	3681	1/1	0.85	0.07	38,38,38,38	0
55	MG	2a	1654	1/1	0.85	0.55	70,70,70,70	0
55	MG	2A	3050	1/1	0.85	0.42	64,64,64,64	0
55	MG	1A	3668	1/1	0.85	0.08	85,85,85,85	0
55	MG	1D	307	1/1	0.85	0.74	44,44,44,44	0
55	MG	2A	3040	1/1	0.85	0.35	63,63,63,63	0
55	MG	2A	3054	1/1	0.85	0.63	51,51,51,51	0
55	MG	2A	3159	1/1	0.85	0.77	58,58,58,58	0
55	MG	1A	3101	1/1	0.85	0.68	63,63,63,63	0
55	MG	2A	3111	1/1	0.85	0.87	52,52,52,52	0
55	MG	2A	3055	1/1	0.85	0.32	49,49,49,49	0
55	MG	2A	3464	1/1	0.85	0.32	90,90,90,90	0
55	MG	1A	3072	1/1	0.85	0.17	43,43,43,43	0
55	MG	1F	310	1/1	0.85	0.47	27,27,27,27	0
55	MG	1A	3079	1/1	0.85	0.22	40,40,40,40	0
55	MG	2b	3001	1/1	0.85	0.18	85,85,85,85	0
55	MG	2A	3661	1/1	0.85	0.07	85,85,85,85	0
55	MG	2A	3285	1/1	0.85	0.11	47,47,47,47	0
55	MG	1a	3075	1/1	0.85	0.18	48,48,48,48	0
55	MG	2A	3165	1/1	0.85	0.29	58,58,58,58	0
55	MG	1A	3161	1/1	0.85	0.42	55,55,55,55	0
55	MG	1A	3465	1/1	0.85	0.24	54,54,54,54	0
55	MG	1a	3151	1/1	0.85	0.15	76,76,76,76	0
55	MG	1a	3124	1/1	0.85	0.31	77,77,77,77	0
55	MG	1A	3219	1/1	0.85	0.19	49,49,49,49	0
55	MG	1B	3023	1/1	0.85	0.18	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3513	1/1	0.85	0.71	47,47,47,47	0
55	MG	2A	3681	1/1	0.85	0.10	71,71,71,71	0
55	MG	2d	503	1/1	0.85	0.43	79,79,79,79	0
55	MG	1A	3534	1/1	0.85	0.12	52,52,52,52	0
55	MG	1A	3815	1/1	0.85	0.58	51,51,51,51	0
55	MG	1A	3856	1/1	0.85	0.32	46,46,46,46	0
55	MG	1A	3053	1/1	0.85	0.30	58,58,58,58	0
55	MG	1H	8001	1/1	0.85	0.11	76,76,76,76	0
55	MG	1a	3018	1/1	0.85	0.16	64,64,64,64	0
55	MG	1A	3597	1/1	0.85	0.47	38,38,38,38	0
55	MG	1A	3267	1/1	0.85	0.12	79,79,79,79	0
55	MG	2F	309	1/1	0.85	0.21	60,60,60,60	0
55	MG	1A	3398	1/1	0.85	0.24	37,37,37,37	0
55	MG	1A	3171	1/1	0.85	0.64	44,44,44,44	0
55	MG	1A	3672	1/1	0.86	0.17	49,49,49,49	0
55	MG	2A	3149	1/1	0.86	0.26	63,63,63,63	0
55	MG	1A	3693	1/1	0.86	0.07	42,42,42,42	0
55	MG	2A	3596	1/1	0.86	0.13	65,65,65,65	0
55	MG	2A	3614	1/1	0.86	0.06	58,58,58,58	0
55	MG	25	101	1/1	0.86	0.45	58,58,58,58	0
55	MG	2A	3705	1/1	0.86	0.20	75,75,75,75	0
55	MG	2A	3449	1/1	0.86	0.21	84,84,84,84	0
55	MG	2a	1602	1/1	0.86	0.51	55,55,55,55	0
55	MG	1A	3452	1/1	0.86	0.46	76,76,76,76	0
55	MG	2a	1633	1/1	0.86	0.28	79,79,79,79	0
55	MG	1A	3551	1/1	0.86	0.35	60,60,60,60	0
55	MG	2a	1648	1/1	0.86	0.13	63,63,63,63	0
55	MG	1A	3188	1/1	0.86	0.46	34,34,34,34	0
55	MG	2A	3475	1/1	0.86	0.13	76,76,76,76	0
55	MG	1A	3568	1/1	0.86	0.21	63,63,63,63	0
55	MG	1A	3146	1/1	0.86	0.12	54,54,54,54	0
55	MG	2a	1692	1/1	0.86	0.29	85,85,85,85	0
55	MG	2a	1752	1/1	0.86	0.09	86,86,86,86	0
55	MG	1a	3016	1/1	0.86	0.41	80,80,80,80	0
55	MG	1a	3137	1/1	0.86	0.29	68,68,68,68	0
55	MG	2A	3060	1/1	0.86	0.80	52,52,52,52	0
55	MG	2A	3056	1/1	0.86	0.16	59,59,59,59	0
55	MG	1a	3197	1/1	0.86	0.15	82,82,82,82	0
55	MG	1A	3593	1/1	0.86	0.17	34,34,34,34	0
55	MG	2a	1779	1/1	0.86	0.48	75,75,75,75	0
55	MG	1E	304	1/1	0.86	0.11	46,46,46,46	0
55	MG	1A	3377	1/1	0.86	0.06	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3893	1/1	0.86	0.06	103,103,103,103	0
55	MG	1A	3590	1/1	0.86	0.11	48,48,48,48	0
55	MG	2A	3564	1/1	0.86	0.89	57,57,57,57	0
55	MG	2A	3394	1/1	0.86	0.18	65,65,65,65	0
55	MG	2a	1756	1/1	0.86	0.13	69,69,69,69	0
55	MG	2B	3002	1/1	0.86	0.11	78,78,78,78	0
55	MG	2A	3025	1/1	0.86	0.20	38,38,38,38	0
55	MG	2a	1621	1/1	0.86	0.29	58,58,58,58	0
55	MG	1A	3206	1/1	0.86	0.39	32,32,32,32	0
55	MG	1B	3017	1/1	0.86	0.08	39,39,39,39	0
55	MG	1A	3831	1/1	0.86	0.42	51,51,51,51	0
55	MG	2A	3585	1/1	0.86	0.17	68,68,68,68	0
55	MG	1A	3046	1/1	0.86	0.28	38,38,38,38	0
55	MG	1a	3020	1/1	0.86	0.19	58,58,58,58	0
55	MG	1A	3168	1/1	0.86	0.34	53,53,53,53	0
55	MG	1a	3213	1/1	0.86	0.29	64,64,64,64	0
55	MG	1A	3194	1/1	0.86	0.48	34,34,34,34	0
55	MG	2a	1647	1/1	0.86	0.14	81,81,81,81	0
55	MG	2A	3465	1/1	0.86	0.20	71,71,71,71	0
55	MG	1B	3009	1/1	0.86	0.26	60,60,60,60	0
55	MG	2A	3799	1/1	0.86	0.30	83,83,83,83	0
55	MG	1A	3883	1/1	0.86	0.08	58,58,58,58	0
55	MG	2A	3095	1/1	0.86	0.17	64,64,64,64	0
55	MG	2A	3148	1/1	0.86	0.32	57,57,57,57	0
55	MG	1a	3154	1/1	0.86	0.11	100,100,100,100	0
55	MG	25	103	1/1	0.86	0.64	62,62,62,62	0
55	MG	1A	3485	1/1	0.86	0.21	47,47,47,47	0
55	MG	2a	1785	1/1	0.86	0.07	68,68,68,68	0
55	MG	1a	3173	1/1	0.86	0.24	71,71,71,71	0
55	MG	1a	3069	1/1	0.86	0.20	62,62,62,62	0
55	MG	2A	3525	1/1	0.86	0.07	50,50,50,50	0
55	MG	2A	3802	1/1	0.86	0.28	97,97,97,97	0
55	MG	1B	3024	1/1	0.86	0.12	62,62,62,62	0
55	MG	1a	3003	1/1	0.86	0.17	65,65,65,65	0
55	MG	1A	3169	1/1	0.86	0.20	62,62,62,62	0
55	MG	2a	1764	1/1	0.86	0.08	59,59,59,59	0
55	MG	2A	3664	1/1	0.86	0.10	75,75,75,75	0
55	MG	1A	3034	1/1	0.86	0.16	57,57,57,57	0
55	MG	1a	3180	1/1	0.86	0.21	102,102,102,102	0
55	MG	2A	3130	1/1	0.86	0.19	58,58,58,58	0
55	MG	1a	3065	1/1	0.86	0.31	65,65,65,65	0
55	MG	1D	318	1/1	0.86	0.18	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3660	1/1	0.86	0.20	71,71,71,71	0
55	MG	2A	3782	1/1	0.86	0.15	82,82,82,82	0
55	MG	2A	3328	1/1	0.86	0.27	72,72,72,72	0
55	MG	2a	1792	1/1	0.86	0.33	52,52,52,52	0
55	MG	1A	3149	1/1	0.87	0.68	43,43,43,43	0
55	MG	1A	3247	1/1	0.87	0.11	86,86,86,86	0
55	MG	2A	3357	1/1	0.87	0.14	50,50,50,50	0
55	MG	2A	3538	1/1	0.87	0.59	62,62,62,62	0
55	MG	15	107	1/1	0.87	0.13	52,52,52,52	0
55	MG	2A	3380	1/1	0.87	0.20	81,81,81,81	0
55	MG	1A	3009	1/1	0.87	0.24	28,28,28,28	0
55	MG	2X	101	1/1	0.87	0.20	61,61,61,61	0
55	MG	2A	3337	1/1	0.87	0.13	79,79,79,79	0
55	MG	20	104	1/1	0.87	0.24	81,81,81,81	0
55	MG	1A	3156	1/1	0.87	0.78	54,54,54,54	0
55	MG	1F	312	1/1	0.87	0.30	44,44,44,44	0
55	MG	2A	3605	1/1	0.87	0.26	63,63,63,63	0
55	MG	2A	3021	1/1	0.87	0.43	43,43,43,43	0
55	MG	2A	3534	1/1	0.87	0.67	80,80,80,80	0
55	MG	1A	3174	1/1	0.87	0.16	44,44,44,44	0
55	MG	1A	3834	1/1	0.87	0.11	61,61,61,61	0
55	MG	2A	3454	1/1	0.87	0.13	81,81,81,81	0
55	MG	1A	3172	1/1	0.87	0.37	50,50,50,50	0
55	MG	1A	3455	1/1	0.87	0.10	49,49,49,49	0
55	MG	1e	3001	1/1	0.87	0.20	55,55,55,55	0
55	MG	2A	3509	1/1	0.87	1.02	53,53,53,53	0
55	MG	1P	201	1/1	0.87	0.98	30,30,30,30	0
55	MG	20	106	1/1	0.87	0.48	78,78,78,78	0
55	MG	2B	3017	1/1	0.87	0.13	84,84,84,84	0
55	MG	2a	1718	1/1	0.87	0.13	88,88,88,88	0
55	MG	1A	3730	1/1	0.87	0.12	65,65,65,65	0
55	MG	1A	3641	1/1	0.87	0.47	35,35,35,35	0
55	MG	1a	3078	1/1	0.87	0.66	78,78,78,78	0
55	MG	1B	3013	1/1	0.87	0.12	58,58,58,58	0
55	MG	2f	8001	1/1	0.87	0.17	56,56,56,56	0
55	MG	2A	3547	1/1	0.87	0.16	41,41,41,41	0
55	MG	1A	3212	1/1	0.87	0.41	43,43,43,43	0
55	MG	1N	8003	1/1	0.87	0.18	69,69,69,69	0
55	MG	2A	3593	1/1	0.87	0.20	68,68,68,68	0
55	MG	2A	3039	1/1	0.87	0.80	60,60,60,60	0
55	MG	2F	306	1/1	0.87	0.54	43,43,43,43	0
55	MG	1A	3245	1/1	0.87	0.51	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3589	1/1	0.87	0.25	82,82,82,82	0
55	MG	1A	3767	1/1	0.87	0.06	51,51,51,51	0
55	MG	1A	3331	1/1	0.87	0.10	22,22,22,22	0
55	MG	1A	3443	1/1	0.87	0.14	22,22,22,22	0
55	MG	1a	3159	1/1	0.87	0.12	65,65,65,65	0
55	MG	2D	308	1/1	0.87	0.53	55,55,55,55	0
55	MG	1a	3140	1/1	0.87	0.20	84,84,84,84	0
55	MG	1A	3761	1/1	0.87	0.13	64,64,64,64	0
55	MG	1A	3087	1/1	0.87	0.77	33,33,33,33	0
55	MG	1A	3057	1/1	0.87	0.07	54,54,54,54	0
55	MG	2o	3001	1/1	0.87	0.18	60,60,60,60	0
55	MG	1a	3117	1/1	0.87	0.23	61,61,61,61	0
55	MG	2A	3158	1/1	0.87	0.30	72,72,72,72	0
55	MG	1F	306	1/1	0.87	0.24	39,39,39,39	0
55	MG	2a	1635	1/1	0.87	0.49	77,77,77,77	0
55	MG	2a	1711	1/1	0.87	0.74	80,80,80,80	0
55	MG	2e	3001	1/1	0.87	0.28	67,67,67,67	0
55	MG	1a	3026	1/1	0.87	0.24	58,58,58,58	0
55	MG	2A	3268	1/1	0.87	0.15	69,69,69,69	0
55	MG	2A	3135	1/1	0.87	0.94	71,71,71,71	0
55	MG	1A	3201	1/1	0.87	0.34	41,41,41,41	0
55	MG	2A	3186	1/1	0.87	0.87	61,61,61,61	0
55	MG	2a	1650	1/1	0.87	0.68	55,55,55,55	0
55	MG	1A	3670	1/1	0.87	0.24	53,53,53,53	0
55	MG	1a	3019	1/1	0.87	0.22	54,54,54,54	0
55	MG	2a	1660	1/1	0.87	0.16	79,79,79,79	0
55	MG	1A	3255	1/1	0.87	0.17	34,34,34,34	0
55	MG	1d	502	1/1	0.87	0.10	80,80,80,80	0
55	MG	1A	3532	1/1	0.87	0.22	69,69,69,69	0
55	MG	19	101	1/1	0.87	0.31	41,41,41,41	0
55	MG	2D	303	1/1	0.87	0.57	50,50,50,50	0
55	MG	1A	3549	1/1	0.87	0.33	31,31,31,31	0
55	MG	2A	3015	1/1	0.87	0.69	50,50,50,50	0
55	MG	1F	305	1/1	0.88	0.25	29,29,29,29	0
55	MG	1A	3731	1/1	0.88	0.12	72,72,72,72	0
55	MG	2A	3171	1/1	0.88	0.21	74,74,74,74	0
55	MG	2A	3541	1/1	0.88	0.07	78,78,78,78	0
55	MG	1a	3217	1/1	0.88	0.13	87,87,87,87	0
55	MG	2a	1603	1/1	0.88	0.24	69,69,69,69	0
55	MG	2A	3446	1/1	0.88	0.30	62,62,62,62	0
55	MG	1A	3182	1/1	0.88	0.83	46,46,46,46	0
55	MG	1a	3056	1/1	0.88	0.10	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2U	201	1/1	0.88	0.46	64,64,64,64	0
55	MG	1A	3579	1/1	0.88	0.14	64,64,64,64	0
55	MG	2A	3258	1/1	0.88	0.08	59,59,59,59	0
55	MG	2A	3225	1/1	0.88	0.09	51,51,51,51	0
55	MG	2A	3652	1/1	0.88	0.63	53,53,53,53	0
55	MG	2A	3240	1/1	0.88	0.16	34,34,34,34	0
55	MG	1S	201	1/1	0.88	0.39	55,55,55,55	0
55	MG	1a	3208	1/1	0.88	0.23	75,75,75,75	0
55	MG	1A	3759	1/1	0.88	0.24	61,61,61,61	0
55	MG	1A	3038	1/1	0.88	0.50	66,66,66,66	0
55	MG	1A	3507	1/1	0.88	0.28	48,48,48,48	0
55	MG	2A	3776	1/1	0.88	0.15	43,43,43,43	0
55	MG	1a	3024	1/1	0.88	0.21	57,57,57,57	0
55	MG	1A	3048	1/1	0.88	0.70	33,33,33,33	0
55	MG	1A	3577	1/1	0.88	0.74	40,40,40,40	0
55	MG	1A	3163	1/1	0.88	0.20	65,65,65,65	0
55	MG	1A	3757	1/1	0.88	0.20	37,37,37,37	0
55	MG	2A	3704	1/1	0.88	0.06	62,62,62,62	0
55	MG	2A	3176	1/1	0.88	0.46	51,51,51,51	0
55	MG	1a	3153	1/1	0.88	0.14	57,57,57,57	0
55	MG	2A	3432	1/1	0.88	0.21	74,74,74,74	0
55	MG	2A	3421	1/1	0.88	0.30	58,58,58,58	0
55	MG	1a	3134	1/1	0.88	0.26	78,78,78,78	0
55	MG	2A	3653	1/1	0.88	0.23	77,77,77,77	0
55	MG	2a	1745	1/1	0.88	0.28	67,67,67,67	0
55	MG	1a	3052	1/1	0.88	0.22	51,51,51,51	0
55	MG	2a	1758	1/1	0.88	0.24	70,70,70,70	0
55	MG	1A	3787	1/1	0.88	0.16	59,59,59,59	0
55	MG	2A	3506	1/1	0.88	0.47	47,47,47,47	0
55	MG	1A	3804	1/1	0.88	0.08	87,87,87,87	0
55	MG	1A	3293	1/1	0.88	0.09	75,75,75,75	0
55	MG	1A	3524	1/1	0.88	0.17	52,52,52,52	0
55	MG	1A	3088	1/1	0.88	0.64	30,30,30,30	0
55	MG	1A	3200	1/1	0.88	0.91	37,37,37,37	0
55	MG	2A	3144	1/1	0.88	0.14	73,73,73,73	0
55	MG	2A	3147	1/1	0.88	0.11	78,78,78,78	0
55	MG	1A	3281	1/1	0.88	0.10	54,54,54,54	0
55	MG	1a	3053	1/1	0.88	0.24	82,82,82,82	0
55	MG	2A	3215	1/1	0.88	0.24	80,80,80,80	0
55	MG	2A	3822	1/1	0.88	0.31	53,53,53,53	0
55	MG	1A	3026	1/1	0.88	0.14	63,63,63,63	0
55	MG	2A	3468	1/1	0.88	0.11	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3063	1/1	0.88	0.23	49,49,49,49	0
55	MG	1A	3825	1/1	0.88	0.09	68,68,68,68	0
55	MG	2A	3796	1/1	0.88	0.68	67,67,67,67	0
55	MG	2A	3721	1/1	0.88	0.26	42,42,42,42	0
55	MG	1A	3128	1/1	0.88	0.16	31,31,31,31	0
55	MG	2A	3727	1/1	0.88	0.51	65,65,65,65	0
55	MG	2A	3634	1/1	0.88	0.18	83,83,83,83	0
55	MG	2A	3001	1/1	0.88	0.18	55,55,55,55	0
55	MG	2B	3007	1/1	0.88	0.12	81,81,81,81	0
55	MG	2a	1759	1/1	0.88	0.15	72,72,72,72	0
55	MG	2A	3381	1/1	0.88	0.08	77,77,77,77	0
55	MG	1A	3771	1/1	0.88	0.06	71,71,71,71	0
55	MG	2F	304	1/1	0.88	0.58	49,49,49,49	0
55	MG	1a	3146	1/1	0.88	0.07	80,80,80,80	0
55	MG	1a	3006	1/1	0.88	0.48	74,74,74,74	0
55	MG	1A	3313	1/1	0.88	0.20	55,55,55,55	0
55	MG	1A	3070	1/1	0.88	0.49	32,32,32,32	0
55	MG	1A	3781	1/1	0.88	0.63	28,28,28,28	0
55	MG	1A	3097	1/1	0.88	0.52	48,48,48,48	0
55	MG	2A	3302	1/1	0.88	0.15	44,44,44,44	0
55	MG	1A	3555	1/1	0.88	0.10	61,61,61,61	0
55	MG	1a	3067	1/1	0.88	0.14	65,65,65,65	0
55	MG	2A	3071	1/1	0.88	0.57	62,62,62,62	0
55	MG	2A	3625	1/1	0.88	0.09	74,74,74,74	0
55	MG	1U	207	1/1	0.88	0.23	47,47,47,47	0
55	MG	1a	3092	1/1	0.88	0.07	85,85,85,85	0
55	MG	2A	3810	1/1	0.88	0.32	51,51,51,51	0
55	MG	2A	3032	1/1	0.88	0.63	66,66,66,66	0
55	MG	2A	3319	1/1	0.88	0.06	78,78,78,78	0
55	MG	1a	3183	1/1	0.88	0.18	84,84,84,84	0
55	MG	2A	3102	1/1	0.88	0.40	56,56,56,56	0
55	MG	2A	3583	1/1	0.88	0.23	72,72,72,72	0
55	MG	2a	1649	1/1	0.88	0.23	83,83,83,83	0
55	MG	2a	1773	1/1	0.88	0.25	89,89,89,89	0
55	MG	1a	3175	1/1	0.88	0.14	85,85,85,85	0
55	MG	1A	3709	1/1	0.88	0.18	49,49,49,49	0
55	MG	2A	3587	1/1	0.88	0.08	68,68,68,68	0
55	MG	2A	3459	1/1	0.88	0.31	71,71,71,71	0
55	MG	1F	307	1/1	0.88	0.76	29,29,29,29	0
55	MG	1A	3478	1/1	0.88	0.16	44,44,44,44	0
55	MG	2A	3348	1/1	0.88	0.10	76,76,76,76	0
55	MG	2a	1607	1/1	0.88	0.25	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1777	1/1	0.88	0.11	77,77,77,77	0
55	MG	1A	3021	1/1	0.88	0.16	42,42,42,42	0
55	MG	2a	1615	1/1	0.88	0.16	47,47,47,47	0
55	MG	1A	3239	1/1	0.88	0.24	35,35,35,35	0
55	MG	2A	3222	1/1	0.88	0.41	62,62,62,62	0
55	MG	1A	3581	1/1	0.88	0.53	35,35,35,35	0
55	MG	2a	1716	1/1	0.88	0.16	73,73,73,73	0
55	MG	1A	3136	1/1	0.88	0.10	68,68,68,68	0
55	MG	1A	3523	1/1	0.88	0.20	56,56,56,56	0
55	MG	2A	3748	1/1	0.88	0.14	68,68,68,68	0
55	MG	1A	3254	1/1	0.89	0.33	50,50,50,50	0
55	MG	1A	3887	1/1	0.89	0.28	44,44,44,44	0
55	MG	2A	3732	1/1	0.89	0.74	61,61,61,61	0
55	MG	2A	3504	1/1	0.89	0.21	55,55,55,55	0
55	MG	1A	3690	1/1	0.89	0.11	67,67,67,67	0
55	MG	2a	1677	1/1	0.89	0.22	71,71,71,71	0
55	MG	1A	3179	1/1	0.89	0.60	38,38,38,38	0
55	MG	1A	3178	1/1	0.89	0.29	39,39,39,39	0
55	MG	2A	3038	1/1	0.89	0.11	49,49,49,49	0
55	MG	1A	3857	1/1	0.89	0.28	71,71,71,71	0
55	MG	1A	3646	1/1	0.89	0.20	31,31,31,31	0
55	MG	2a	1788	1/1	0.89	0.04	86,86,86,86	0
55	MG	2A	3602	1/1	0.89	0.06	73,73,73,73	0
55	MG	1a	3129	1/1	0.89	0.08	66,66,66,66	0
55	MG	2A	3218	1/1	0.89	0.07	52,52,52,52	0
55	MG	1A	3060	1/1	0.89	0.12	36,36,36,36	0
55	MG	2A	3128	1/1	0.89	0.11	61,61,61,61	0
55	MG	1D	304	1/1	0.89	0.37	37,37,37,37	0
55	MG	2A	3241	1/1	0.89	0.16	49,49,49,49	0
55	MG	2A	3798	1/1	0.89	0.19	93,93,93,93	0
55	MG	2A	3106	1/1	0.89	0.53	60,60,60,60	0
55	MG	2A	3167	1/1	0.89	0.26	56,56,56,56	0
55	MG	2A	3731	1/1	0.89	0.16	70,70,70,70	0
55	MG	2A	3479	1/1	0.89	0.22	40,40,40,40	0
55	MG	1A	3214	1/1	0.89	0.21	40,40,40,40	0
55	MG	2a	1666	1/1	0.89	0.20	79,79,79,79	0
55	MG	1A	3359	1/1	0.89	0.10	64,64,64,64	0
55	MG	2A	3331	1/1	0.89	0.10	61,61,61,61	0
55	MG	1A	3198	1/1	0.89	0.59	28,28,28,28	0
55	MG	1A	3126	1/1	0.89	0.16	34,34,34,34	0
55	MG	1a	3191	1/1	0.89	0.13	47,47,47,47	0
55	MG	1a	3035	1/1	0.89	1.15	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3580	1/1	0.89	0.14	61,61,61,61	0
55	MG	2A	3403	1/1	0.89	0.26	79,79,79,79	0
55	MG	1A	3807	1/1	0.89	0.26	48,48,48,48	0
55	MG	1A	3550	1/1	0.89	0.27	44,44,44,44	0
55	MG	1A	3408	1/1	0.89	0.20	43,43,43,43	0
55	MG	1A	3484	1/1	0.89	0.12	47,47,47,47	0
55	MG	1A	3157	1/1	0.89	0.16	57,57,57,57	0
55	MG	1A	3216	1/1	0.89	0.24	52,52,52,52	0
55	MG	2A	3442	1/1	0.89	0.23	81,81,81,81	0
55	MG	2A	3761	1/1	0.89	0.12	38,38,38,38	0
55	MG	1A	3756	1/1	0.89	0.19	40,40,40,40	0
55	MG	1A	3788	1/1	0.89	0.07	48,48,48,48	0
55	MG	2A	3686	1/1	0.89	0.08	95,95,95,95	0
55	MG	1A	3530	1/1	0.89	0.13	44,44,44,44	0
55	MG	2A	3053	1/1	0.89	0.18	57,57,57,57	0
55	MG	1A	3514	1/1	0.89	0.12	35,35,35,35	0
55	MG	2A	3174	1/1	0.89	0.17	58,58,58,58	0
55	MG	2a	1632	1/1	0.89	0.23	75,75,75,75	0
55	MG	2A	3115	1/1	0.89	0.17	66,66,66,66	0
55	MG	1A	3145	1/1	0.89	0.39	29,29,29,29	0
55	MG	2A	3435	1/1	0.89	0.28	76,76,76,76	0
55	MG	2A	3621	1/1	0.89	0.51	54,54,54,54	0
55	MG	2a	1793	1/1	0.89	0.15	61,61,61,61	0
55	MG	1B	3012	1/1	0.89	0.07	44,44,44,44	0
55	MG	1A	3302	1/1	0.89	0.10	42,42,42,42	0
55	MG	2a	1696	1/1	0.89	0.09	77,77,77,77	0
56	A	1B	3025	1/23	0.89	0.61	57,57,57,57	0
55	MG	1A	3747	1/1	0.89	0.07	45,45,45,45	0
55	MG	1a	3145	1/1	0.89	0.24	77,77,77,77	0
55	MG	1A	3640	1/1	0.89	0.40	34,34,34,34	0
55	MG	1A	3093	1/1	0.89	0.33	43,43,43,43	0
55	MG	1A	3019	1/1	0.89	0.66	39,39,39,39	0
55	MG	2A	3045	1/1	0.89	0.25	46,46,46,46	0
55	MG	1A	3812	1/1	0.89	0.11	28,28,28,28	0
55	MG	2a	1658	1/1	0.89	0.08	74,74,74,74	0
55	MG	1A	3708	1/1	0.89	0.50	53,53,53,53	0
55	MG	2A	3061	1/1	0.89	0.21	62,62,62,62	0
55	MG	1B	3007	1/1	0.89	0.13	51,51,51,51	0
55	MG	2A	3790	1/1	0.89	0.05	71,71,71,71	0
55	MG	1A	3054	1/1	0.89	0.31	49,49,49,49	0
55	MG	1A	3264	1/1	0.89	0.14	37,37,37,37	0
55	MG	1A	3260	1/1	0.89	0.51	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	3107	1/1	0.89	0.18	67,67,67,67	0
55	MG	2A	3753	1/1	0.89	0.15	71,71,71,71	0
55	MG	2A	3259	1/1	0.89	0.12	34,34,34,34	0
55	MG	1A	3625	1/1	0.89	0.46	35,35,35,35	0
55	MG	1A	3317	1/1	0.89	0.12	73,73,73,73	0
55	MG	1A	3222	1/1	0.89	0.56	36,36,36,36	0
55	MG	1A	3195	1/1	0.89	0.34	46,46,46,46	0
55	MG	1A	3662	1/1	0.89	0.09	52,52,52,52	0
55	MG	2A	3716	1/1	0.89	0.15	92,92,92,92	0
55	MG	1A	3847	1/1	0.89	0.12	58,58,58,58	0
55	MG	2A	3751	1/1	0.89	0.18	67,67,67,67	0
55	MG	2W	3001	1/1	0.89	0.22	60,60,60,60	0
55	MG	2A	3345	1/1	0.89	0.20	81,81,81,81	0
55	MG	2A	3472	1/1	0.89	0.35	88,88,88,88	0
55	MG	2A	3622	1/1	0.89	0.35	49,49,49,49	0
55	MG	1A	3301	1/1	0.89	0.21	41,41,41,41	0
55	MG	1A	3642	1/1	0.89	0.54	36,36,36,36	0
55	MG	1A	3877	1/1	0.89	0.20	63,63,63,63	0
55	MG	1A	3287	1/1	0.89	0.23	45,45,45,45	0
55	MG	1a	3055	1/1	0.89	0.58	47,47,47,47	0
55	MG	2A	3678	1/1	0.89	0.09	92,92,92,92	0
55	MG	2A	3089	1/1	0.89	0.10	56,56,56,56	0
55	MG	1a	3071	1/1	0.89	0.17	53,53,53,53	0
55	MG	2A	3692	1/1	0.89	0.07	54,54,54,54	0
55	MG	2A	3020	1/1	0.89	0.10	42,42,42,42	0
55	MG	2A	3185	1/1	0.89	0.80	62,62,62,62	0
55	MG	2A	3035	1/1	0.89	0.42	32,32,32,32	0
55	MG	2A	3451	1/1	0.89	0.30	67,67,67,67	0
55	MG	1A	3130	1/1	0.89	0.25	33,33,33,33	0
55	MG	2U	203	1/1	0.90	0.10	71,71,71,71	0
55	MG	2A	3639	1/1	0.90	0.19	76,76,76,76	0
55	MG	1a	3066	1/1	0.90	0.11	68,68,68,68	0
55	MG	1A	3491	1/1	0.90	0.29	55,55,55,55	0
55	MG	2A	3788	1/1	0.90	0.17	88,88,88,88	0
55	MG	1W	3001	1/1	0.90	0.23	38,38,38,38	0
55	MG	2a	1757	1/1	0.90	0.11	71,71,71,71	0
55	MG	1A	3139	1/1	0.90	0.22	59,59,59,59	0
55	MG	1a	3021	1/1	0.90	0.22	63,63,63,63	0
55	MG	1A	3539	1/1	0.90	0.17	62,62,62,62	0
55	MG	2E	307	1/1	0.90	0.08	73,73,73,73	0
55	MG	2A	3429	1/1	0.90	0.10	64,64,64,64	0
55	MG	2A	3232	1/1	0.90	0.09	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3094	1/1	0.90	0.72	30,30,30,30	0
55	MG	2a	1659	1/1	0.90	0.12	71,71,71,71	0
55	MG	2A	3412	1/1	0.90	0.54	70,70,70,70	0
55	MG	2a	1760	1/1	0.90	0.06	90,90,90,90	0
55	MG	1A	3467	1/1	0.90	0.23	32,32,32,32	0
55	MG	2A	3814	1/1	0.90	0.91	68,68,68,68	0
55	MG	1A	3866	1/1	0.90	0.21	61,61,61,61	0
55	MG	2A	3346	1/1	0.90	0.06	77,77,77,77	0
55	MG	2A	3245	1/1	0.90	0.32	78,78,78,78	0
55	MG	2A	3521	1/1	0.90	0.19	68,68,68,68	0
55	MG	1A	3454	1/1	0.90	0.08	56,56,56,56	0
55	MG	1A	3138	1/1	0.90	0.13	52,52,52,52	0
55	MG	2A	3684	1/1	0.90	0.12	57,57,57,57	0
55	MG	1A	3487	1/1	0.90	0.33	57,57,57,57	0
55	MG	2A	3347	1/1	0.90	0.09	80,80,80,80	0
55	MG	2B	3008	1/1	0.90	0.11	83,83,83,83	0
55	MG	1A	3231	1/1	0.90	0.72	31,31,31,31	0
55	MG	2A	3786	1/1	0.90	0.11	49,49,49,49	0
55	MG	2A	3690	1/1	0.90	0.20	84,84,84,84	0
55	MG	1A	3556	1/1	0.90	0.15	14,14,14,14	0
55	MG	2A	3026	1/1	0.90	0.32	73,73,73,73	0
55	MG	28	103	1/1	0.90	0.10	77,77,77,77	0
55	MG	1a	3133	1/1	0.90	0.32	74,74,74,74	0
55	MG	1A	3742	1/1	0.90	0.89	71,71,71,71	0
55	MG	1A	3792	1/1	0.90	0.21	55,55,55,55	0
55	MG	2A	3789	1/1	0.90	0.21	62,62,62,62	0
55	MG	2A	3143	1/1	0.90	0.28	53,53,53,53	0
55	MG	2A	3036	1/1	0.90	0.52	48,48,48,48	0
55	MG	1A	3656	1/1	0.90	0.25	79,79,79,79	0
55	MG	2A	3107	1/1	0.90	0.17	57,57,57,57	0
55	MG	1A	3817	1/1	0.90	0.37	72,72,72,72	0
55	MG	1A	3073	1/1	0.90	0.73	43,43,43,43	0
55	MG	2A	3069	1/1	0.90	0.83	52,52,52,52	0
55	MG	2A	3110	1/1	0.90	0.54	53,53,53,53	0
55	MG	1A	3002	1/1	0.90	0.21	48,48,48,48	0
55	MG	1A	3432	1/1	0.90	0.07	49,49,49,49	0
55	MG	2A	3277	1/1	0.90	0.25	36,36,36,36	0
55	MG	1A	3715	1/1	0.90	0.04	85,85,85,85	0
55	MG	2a	1729	1/1	0.90	0.14	60,60,60,60	0
55	MG	2A	3537	1/1	0.90	0.16	61,61,61,61	0
55	MG	2A	3057	1/1	0.90	1.07	49,49,49,49	0
55	MG	1a	3007	1/1	0.90	0.17	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3721	1/1	0.90	0.18	50,50,50,50	0
55	MG	1A	3258	1/1	0.90	0.67	44,44,44,44	0
55	MG	2A	3208	1/1	0.90	0.15	60,60,60,60	0
55	MG	2a	1744	1/1	0.90	0.15	76,76,76,76	0
55	MG	1A	3510	1/1	0.90	0.10	70,70,70,70	0
55	MG	2V	202	1/1	0.90	1.02	55,55,55,55	0
55	MG	1A	3133	1/1	0.90	0.56	35,35,35,35	0
55	MG	1Q	201	1/1	0.90	0.50	44,44,44,44	0
55	MG	1A	3338	1/1	0.90	0.16	20,20,20,20	0
55	MG	2A	3470	1/1	0.90	0.12	63,63,63,63	0
55	MG	2F	307	1/1	0.90	0.87	60,60,60,60	0
55	MG	1U	204	1/1	0.90	0.70	29,29,29,29	0
55	MG	1A	3113	1/1	0.90	0.33	41,41,41,41	0
55	MG	17	103	1/1	0.90	0.84	43,43,43,43	0
55	MG	2A	3598	1/1	0.90	0.12	62,62,62,62	0
55	MG	1A	3001	1/1	0.90	0.10	32,32,32,32	0
55	MG	1A	3272	1/1	0.90	0.26	56,56,56,56	0
55	MG	1a	3027	1/1	0.90	0.46	70,70,70,70	0
55	MG	2A	3766	1/1	0.90	0.18	81,81,81,81	0
55	MG	10	103	1/1	0.90	0.22	65,65,65,65	0
55	MG	1a	3043	1/1	0.90	0.43	68,68,68,68	0
55	MG	2X	103	1/1	0.90	0.11	58,58,58,58	0
55	MG	2A	3075	1/1	0.90	0.26	53,53,53,53	0
55	MG	1t	3001	1/1	0.90	0.36	76,76,76,76	0
55	MG	1A	3907	1/1	0.90	0.29	46,46,46,46	0
55	MG	1A	3612	1/1	0.90	0.07	78,78,78,78	0
55	MG	2B	3003	1/1	0.90	0.35	73,73,73,73	0
55	MG	2B	3010	1/1	0.90	0.07	72,72,72,72	0
55	MG	1A	3027	1/1	0.90	0.31	31,31,31,31	0
55	MG	2A	3207	1/1	0.90	0.12	70,70,70,70	0
55	MG	2a	1726	1/1	0.90	0.09	78,78,78,78	0
55	MG	2A	3295	1/1	0.90	0.27	71,71,71,71	0
55	MG	2A	3571	1/1	0.90	0.12	41,41,41,41	0
55	MG	2D	307	1/1	0.90	1.69	64,64,64,64	0
55	MG	15	105	1/1	0.90	0.32	43,43,43,43	0
55	MG	2A	3615	1/1	0.90	0.20	56,56,56,56	0
55	MG	1a	3136	1/1	0.90	0.36	79,79,79,79	0
55	MG	2a	1761	1/1	0.90	0.21	67,67,67,67	0
55	MG	20	103	1/1	0.90	0.30	59,59,59,59	0
55	MG	1A	3729	1/1	0.90	0.20	47,47,47,47	0
55	MG	2A	3366	1/1	0.90	0.05	92,92,92,92	0
55	MG	1A	3607	1/1	0.90	0.07	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	3095	1/1	0.90	0.14	62,62,62,62	0
55	MG	2A	3121	1/1	0.90	0.15	81,81,81,81	0
55	MG	2A	3413	1/1	0.90	0.13	70,70,70,70	0
55	MG	1a	3203	1/1	0.90	0.12	67,67,67,67	0
55	MG	2A	3649	1/1	0.90	0.41	49,49,49,49	0
55	MG	2B	3006	1/1	0.90	0.41	80,80,80,80	0
55	MG	1B	3016	1/1	0.90	0.07	51,51,51,51	0
55	MG	1A	3348	1/1	0.90	0.09	71,71,71,71	0
55	MG	2A	3011	1/1	0.90	0.43	58,58,58,58	0
55	MG	1A	3802	1/1	0.90	0.17	39,39,39,39	0
55	MG	2A	3624	1/1	0.90	0.82	62,62,62,62	0
55	MG	1N	8002	1/1	0.91	0.15	64,64,64,64	0
55	MG	2F	305	1/1	0.91	0.13	46,46,46,46	0
55	MG	2A	3725	1/1	0.91	0.05	64,64,64,64	0
55	MG	1A	3633	1/1	0.91	0.24	79,79,79,79	0
55	MG	1a	3135	1/1	0.91	0.13	77,77,77,77	0
55	MG	2A	3560	1/1	0.91	0.19	53,53,53,53	0
55	MG	2A	3689	1/1	0.91	0.19	67,67,67,67	0
55	MG	1a	3178	1/1	0.91	0.15	75,75,75,75	0
55	MG	2A	3363	1/1	0.91	0.14	50,50,50,50	0
55	MG	2A	3569	1/1	0.91	0.65	48,48,48,48	0
55	MG	1A	3449	1/1	0.91	0.17	21,21,21,21	0
55	MG	1A	3078	1/1	0.91	0.56	39,39,39,39	0
55	MG	2A	3260	1/1	0.91	0.12	66,66,66,66	0
55	MG	1A	3870	1/1	0.91	0.26	54,54,54,54	0
55	MG	1A	3122	1/1	0.91	0.53	30,30,30,30	0
55	MG	2A	3340	1/1	0.91	0.27	52,52,52,52	0
55	MG	1a	3103	1/1	0.91	0.17	72,72,72,72	0
55	MG	2A	3196	1/1	0.91	0.18	77,77,77,77	0
55	MG	2A	3557	1/1	0.91	0.14	67,67,67,67	0
55	MG	2a	1739	1/1	0.91	0.08	86,86,86,86	0
55	MG	2A	3654	1/1	0.91	0.08	34,34,34,34	0
55	MG	1D	316	1/1	0.91	0.10	73,73,73,73	0
55	MG	2N	201	1/1	0.91	0.63	82,82,82,82	0
55	MG	1A	3017	1/1	0.91	0.40	31,31,31,31	0
55	MG	2A	3703	1/1	0.91	0.25	93,93,93,93	0
55	MG	2A	3697	1/1	0.91	0.07	57,57,57,57	0
55	MG	1A	3694	1/1	0.91	0.10	35,35,35,35	0
55	MG	2A	3481	1/1	0.91	0.23	67,67,67,67	0
55	MG	2A	3200	1/1	0.91	0.99	65,65,65,65	0
55	MG	1A	3099	1/1	0.91	0.30	62,62,62,62	0
55	MG	1A	3014	1/1	0.91	0.64	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3659	1/1	0.91	0.17	73,73,73,73	0
55	MG	2a	1791	1/1	0.91	0.21	71,71,71,71	0
55	MG	1a	3182	1/1	0.91	0.50	71,71,71,71	0
55	MG	1D	306	1/1	0.91	0.28	35,35,35,35	0
55	MG	1A	3707	1/1	0.91	0.22	72,72,72,72	0
55	MG	1A	3696	1/1	0.91	0.10	29,29,29,29	0
55	MG	2a	1673	1/1	0.91	0.15	63,63,63,63	0
55	MG	2A	3811	1/1	0.91	0.17	67,67,67,67	0
55	MG	1A	3349	1/1	0.91	0.17	25,25,25,25	0
55	MG	1A	3666	1/1	0.91	0.23	45,45,45,45	0
55	MG	1F	309	1/1	0.91	0.11	28,28,28,28	0
55	MG	2A	3426	1/1	0.91	0.20	70,70,70,70	0
55	MG	2A	3212	1/1	0.91	0.16	60,60,60,60	0
55	MG	2A	3769	1/1	0.91	0.17	75,75,75,75	0
55	MG	1A	3102	1/1	0.91	0.33	42,42,42,42	0
55	MG	2A	3724	1/1	0.91	0.11	45,45,45,45	0
55	MG	1a	3120	1/1	0.91	0.10	65,65,65,65	0
55	MG	1a	3094	1/1	0.91	0.10	46,46,46,46	0
55	MG	1D	309	1/1	0.91	0.51	41,41,41,41	0
55	MG	1R	205	1/1	0.91	0.28	34,34,34,34	0
55	MG	2A	3048	1/1	0.91	0.24	56,56,56,56	0
55	MG	1A	3440	1/1	0.91	0.15	47,47,47,47	0
55	MG	2D	305	1/1	0.91	0.95	59,59,59,59	0
55	MG	1f	8001	1/1	0.91	0.21	60,60,60,60	0
55	MG	1A	3376	1/1	0.91	0.06	72,72,72,72	0
55	MG	2A	3387	1/1	0.91	0.15	68,68,68,68	0
55	MG	2a	1611	1/1	0.91	0.10	58,58,58,58	0
55	MG	1A	3513	1/1	0.91	0.09	27,27,27,27	0
55	MG	1a	3207	1/1	0.91	0.12	76,76,76,76	0
55	MG	2A	3428	1/1	0.91	0.28	71,71,71,71	0
55	MG	2A	3458	1/1	0.91	0.10	78,78,78,78	0
55	MG	2A	3575	1/1	0.91	0.20	48,48,48,48	0
55	MG	1D	311	1/1	0.91	0.22	38,38,38,38	0
55	MG	1A	3726	1/1	0.91	0.24	29,29,29,29	0
55	MG	1A	3598	1/1	0.91	0.13	83,83,83,83	0
55	MG	1a	3118	1/1	0.91	0.08	70,70,70,70	0
55	MG	1D	314	1/1	0.91	0.27	34,34,34,34	0
55	MG	1D	303	1/1	0.91	0.30	52,52,52,52	0
55	MG	1A	3023	1/1	0.91	0.14	21,21,21,21	0
55	MG	1A	3154	1/1	0.91	0.64	28,28,28,28	0
55	MG	2a	1721	1/1	0.91	0.17	84,84,84,84	0
55	MG	1A	3033	1/1	0.91	0.59	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3278	1/1	0.91	0.11	56,56,56,56	0
55	MG	2A	3584	1/1	0.91	0.23	62,62,62,62	0
55	MG	1a	3049	1/1	0.91	0.45	69,69,69,69	0
55	MG	1a	3116	1/1	0.91	0.44	76,76,76,76	0
55	MG	2a	1795	1/1	0.91	0.17	57,57,57,57	0
55	MG	1A	3488	1/1	0.91	0.46	43,43,43,43	0
55	MG	2A	3556	1/1	0.91	0.71	57,57,57,57	0
55	MG	2A	3666	1/1	0.91	0.05	70,70,70,70	0
55	MG	1A	3511	1/1	0.91	0.15	26,26,26,26	0
55	MG	2A	3570	1/1	0.91	0.14	57,57,57,57	0
55	MG	1A	3882	1/1	0.91	0.13	62,62,62,62	0
55	MG	2A	3427	1/1	0.91	0.13	61,61,61,61	0
55	MG	1A	3350	1/1	0.91	0.16	46,46,46,46	0
55	MG	2A	3808	1/1	0.91	0.22	44,44,44,44	0
55	MG	2A	3758	1/1	0.91	0.15	77,77,77,77	0
55	MG	1A	3824	1/1	0.91	0.15	47,47,47,47	0
55	MG	1A	3052	1/1	0.91	0.81	36,36,36,36	0
55	MG	2A	3197	1/1	0.91	0.20	48,48,48,48	0
55	MG	2A	3600	1/1	0.91	0.50	54,54,54,54	0
55	MG	2a	1617	1/1	0.91	0.38	65,65,65,65	0
55	MG	1a	3036	1/1	0.91	0.12	49,49,49,49	0
55	MG	1A	3314	1/1	0.91	0.12	52,52,52,52	0
55	MG	1A	3711	1/1	0.91	0.26	39,39,39,39	0
55	MG	1A	3445	1/1	0.91	0.17	65,65,65,65	0
55	MG	1A	3891	1/1	0.91	0.18	64,64,64,64	0
55	MG	2A	3031	1/1	0.91	0.35	59,59,59,59	0
55	MG	1F	304	1/1	0.91	0.96	39,39,39,39	0
55	MG	2A	3483	1/1	0.91	0.65	55,55,55,55	0
55	MG	1A	3636	1/1	0.91	0.11	38,38,38,38	0
55	MG	2A	3759	1/1	0.91	0.30	88,88,88,88	0
55	MG	1a	3130	1/1	0.91	0.30	62,62,62,62	0
55	MG	2a	1720	1/1	0.91	0.10	73,73,73,73	0
55	MG	1A	3833	1/1	0.91	0.21	69,69,69,69	0
55	MG	1A	3076	1/1	0.91	0.23	63,63,63,63	0
55	MG	1a	3009	1/1	0.91	0.31	69,69,69,69	0
55	MG	1A	3064	1/1	0.91	0.33	29,29,29,29	0
55	MG	2A	3401	1/1	0.91	0.19	66,66,66,66	0
55	MG	1A	3635	1/1	0.91	0.26	39,39,39,39	0
55	MG	1A	3218	1/1	0.91	0.43	35,35,35,35	0
55	MG	1A	3645	1/1	0.91	0.31	54,54,54,54	0
55	MG	1A	3618	1/1	0.91	0.24	72,72,72,72	0
55	MG	2D	301	1/1	0.91	0.78	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3008	1/1	0.91	0.26	46,46,46,46	0
55	MG	1A	3595	1/1	0.91	0.10	67,67,67,67	0
55	MG	2a	1701	1/1	0.91	0.23	90,90,90,90	0
55	MG	2A	3404	1/1	0.91	0.05	63,63,63,63	0
55	MG	2A	3722	1/1	0.91	0.08	67,67,67,67	0
55	MG	17	101	1/1	0.91	0.42	35,35,35,35	0
55	MG	2A	3618	1/1	0.91	0.21	55,55,55,55	0
55	MG	2A	3633	1/1	0.91	0.11	82,82,82,82	0
55	MG	2a	1767	1/1	0.91	0.17	79,79,79,79	0
55	MG	2A	3750	1/1	0.91	0.33	63,63,63,63	0
55	MG	2a	1684	1/1	0.91	0.07	76,76,76,76	0
55	MG	1A	3371	1/1	0.91	0.19	63,63,63,63	0
55	MG	1A	3007	1/1	0.91	0.12	38,38,38,38	0
55	MG	1A	3778	1/1	0.91	0.07	83,83,83,83	0
55	MG	2a	1640	1/1	0.91	0.72	61,61,61,61	0
55	MG	1A	3728	1/1	0.91	0.10	54,54,54,54	0
55	MG	2A	3448	1/1	0.91	0.25	51,51,51,51	0
55	MG	2A	3301	1/1	0.91	0.14	49,49,49,49	0
55	MG	1A	3042	1/1	0.91	0.14	25,25,25,25	0
55	MG	1A	3474	1/1	0.91	0.20	69,69,69,69	0
55	MG	2A	3096	1/1	0.91	0.14	46,46,46,46	0
55	MG	1A	3479	1/1	0.91	0.13	39,39,39,39	0
55	MG	1a	3062	1/1	0.91	0.38	79,79,79,79	0
55	MG	2a	1750	1/1	0.91	0.11	83,83,83,83	0
55	MG	2A	3406	1/1	0.91	0.56	62,62,62,62	0
55	MG	1A	3005	1/1	0.91	0.21	22,22,22,22	0
55	MG	2A	3595	1/1	0.91	0.11	52,52,52,52	0
55	MG	1A	3115	1/1	0.92	0.07	54,54,54,54	0
55	MG	1A	3494	1/1	0.92	0.19	59,59,59,59	0
55	MG	2A	3743	1/1	0.92	0.26	59,59,59,59	0
55	MG	1A	3104	1/1	0.92	0.67	37,37,37,37	0
55	MG	1A	3582	1/1	0.92	0.30	69,69,69,69	0
55	MG	1E	302	1/1	0.92	0.93	39,39,39,39	0
55	MG	2A	3100	1/1	0.92	0.20	58,58,58,58	0
55	MG	1a	3196	1/1	0.92	0.09	77,77,77,77	0
55	MG	1A	3772	1/1	0.92	0.17	37,37,37,37	0
55	MG	2A	3755	1/1	0.92	0.12	63,63,63,63	0
55	MG	2a	1707	1/1	0.92	0.19	92,92,92,92	0
55	MG	1W	3002	1/1	0.92	0.20	49,49,49,49	0
55	MG	10	105	1/1	0.92	0.10	57,57,57,57	0
55	MG	2A	3447	1/1	0.92	0.17	73,73,73,73	0
55	MG	1A	3892	1/1	0.92	0.22	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3229	1/1	0.92	0.16	82,82,82,82	0
55	MG	1a	3223	1/1	0.92	0.19	54,54,54,54	0
55	MG	2A	3416	1/1	0.92	0.17	56,56,56,56	0
55	MG	1A	3596	1/1	0.92	0.22	58,58,58,58	0
55	MG	2A	3430	1/1	0.92	0.20	74,74,74,74	0
55	MG	1A	3402	1/1	0.92	0.29	43,43,43,43	0
55	MG	1A	3451	1/1	0.92	0.06	43,43,43,43	0
55	MG	1a	3032	1/1	0.92	0.14	45,45,45,45	0
55	MG	2A	3041	1/1	0.92	0.09	73,73,73,73	0
55	MG	2A	3436	1/1	0.92	0.12	72,72,72,72	0
55	MG	2A	3230	1/1	0.92	0.36	51,51,51,51	0
55	MG	2A	3294	1/1	0.92	0.16	55,55,55,55	0
55	MG	2A	3297	1/1	0.92	0.14	78,78,78,78	0
55	MG	2A	3398	1/1	0.92	0.17	81,81,81,81	0
55	MG	1A	3237	1/1	0.92	0.15	53,53,53,53	0
55	MG	2A	3321	1/1	0.92	0.18	34,34,34,34	0
55	MG	2A	3599	1/1	0.92	0.12	75,75,75,75	0
55	MG	2A	3793	1/1	0.92	0.27	67,67,67,67	0
55	MG	1A	3384	1/1	0.92	0.47	58,58,58,58	0
55	MG	2A	3360	1/1	0.92	0.11	64,64,64,64	0
55	MG	2a	1619	1/1	0.92	0.33	72,72,72,72	0
55	MG	2A	3597	1/1	0.92	0.10	51,51,51,51	0
55	MG	1A	3741	1/1	0.92	0.11	56,56,56,56	0
55	MG	1A	3036	1/1	0.92	0.15	28,28,28,28	0
55	MG	2A	3549	1/1	0.92	0.05	74,74,74,74	0
55	MG	1a	3189	1/1	0.92	0.25	84,84,84,84	0
55	MG	2A	3133	1/1	0.92	0.37	60,60,60,60	0
55	MG	1A	3750	1/1	0.92	0.09	52,52,52,52	0
55	MG	1A	3836	1/1	0.92	0.12	54,54,54,54	0
55	MG	2a	1786	1/1	0.92	0.07	90,90,90,90	0
55	MG	2A	3729	1/1	0.92	0.14	70,70,70,70	0
55	MG	1A	3904	1/1	0.92	0.31	17,17,17,17	0
55	MG	1A	3916	1/1	0.92	0.41	29,29,29,29	0
55	MG	1A	3132	1/1	0.92	0.17	35,35,35,35	0
55	MG	1A	3039	1/1	0.92	0.32	55,55,55,55	0
55	MG	1A	3117	1/1	0.92	0.11	44,44,44,44	0
55	MG	2A	3757	1/1	0.92	0.35	53,53,53,53	0
55	MG	2a	1616	1/1	0.92	0.14	68,68,68,68	0
55	MG	1A	3363	1/1	0.92	0.08	26,26,26,26	0
55	MG	2A	3028	1/1	0.92	0.30	64,64,64,64	0
55	MG	1A	3903	1/1	0.92	0.23	59,59,59,59	0
55	MG	2A	3125	1/1	0.92	1.07	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3310	1/1	0.92	0.10	57,57,57,57	0
55	MG	2A	3418	1/1	0.92	0.11	55,55,55,55	0
55	MG	2a	1733	1/1	0.92	0.17	67,67,67,67	0
55	MG	1U	201	1/1	0.92	0.27	34,34,34,34	0
55	MG	1A	3586	1/1	0.92	0.07	59,59,59,59	0
55	MG	2A	3573	1/1	0.92	0.13	71,71,71,71	0
55	MG	2R	201	1/1	0.92	0.79	56,56,56,56	0
55	MG	2A	3712	1/1	0.92	0.16	63,63,63,63	0
55	MG	2A	3568	1/1	0.92	0.24	68,68,68,68	0
55	MG	2A	3528	1/1	0.92	0.17	34,34,34,34	0
55	MG	1a	3165	1/1	0.92	0.61	75,75,75,75	0
55	MG	2A	3164	1/1	0.92	0.40	56,56,56,56	0
55	MG	2V	203	1/1	0.92	0.15	59,59,59,59	0
55	MG	2A	3157	1/1	0.92	0.29	62,62,62,62	0
55	MG	1A	3863	1/1	0.92	0.24	58,58,58,58	0
55	MG	1A	3691	1/1	0.92	0.13	26,26,26,26	0
55	MG	1A	3316	1/1	0.92	0.11	58,58,58,58	0
55	MG	1A	3477	1/1	0.92	0.12	20,20,20,20	0
55	MG	1A	3701	1/1	0.92	0.49	40,40,40,40	0
55	MG	2a	1668	1/1	0.92	0.08	51,51,51,51	0
55	MG	2A	3797	1/1	0.92	0.15	75,75,75,75	0
55	MG	2a	1608	1/1	0.92	0.08	51,51,51,51	0
55	MG	2A	3740	1/1	0.92	0.26	68,68,68,68	0
55	MG	1A	3341	1/1	0.92	0.12	20,20,20,20	0
55	MG	1A	3727	1/1	0.92	0.23	40,40,40,40	0
55	MG	1A	3446	1/1	0.92	0.21	49,49,49,49	0
55	MG	1G	3002	1/1	0.92	0.07	62,62,62,62	0
55	MG	1a	3166	1/1	0.92	0.09	80,80,80,80	0
55	MG	2A	3676	1/1	0.92	0.38	73,73,73,73	0
55	MG	2A	3359	1/1	0.92	0.07	51,51,51,51	0
55	MG	2E	304	1/1	0.92	0.83	46,46,46,46	0
55	MG	1a	3023	1/1	0.92	0.27	53,53,53,53	0
55	MG	2A	3670	1/1	0.92	0.08	84,84,84,84	0
55	MG	2A	3198	1/1	0.92	0.17	27,27,27,27	0
55	MG	2A	3317	1/1	0.92	0.15	55,55,55,55	0
55	MG	1A	3775	1/1	0.92	0.16	72,72,72,72	0
55	MG	2A	3181	1/1	0.92	0.23	79,79,79,79	0
55	MG	1A	3525	1/1	0.92	0.19	57,57,57,57	0
55	MG	1A	3294	1/1	0.92	0.06	33,33,33,33	0
55	MG	1A	3226	1/1	0.92	0.46	31,31,31,31	0
55	MG	1A	3020	1/1	0.92	0.59	39,39,39,39	0
55	MG	1A	3123	1/1	0.92	0.57	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3208	1/1	0.92	0.23	37,37,37,37	0
55	MG	2A	3588	1/1	0.92	0.22	67,67,67,67	0
55	MG	1A	3381	1/1	0.92	0.11	62,62,62,62	0
55	MG	1A	3012	1/1	0.92	0.18	22,22,22,22	0
55	MG	2a	1688	1/1	0.92	0.09	56,56,56,56	0
55	MG	2A	3350	1/1	0.92	0.09	49,49,49,49	0
55	MG	2A	3640	1/1	0.92	0.22	78,78,78,78	0
55	MG	2A	3383	1/1	0.92	0.17	57,57,57,57	0
55	MG	2A	3608	1/1	0.92	0.16	62,62,62,62	0
55	MG	2A	3635	1/1	0.92	0.05	92,92,92,92	0
55	MG	1A	3385	1/1	0.92	0.12	57,57,57,57	0
55	MG	1A	3037	1/1	0.92	0.08	56,56,56,56	0
55	MG	1A	3547	1/1	0.92	0.44	35,35,35,35	0
55	MG	2Q	8002	1/1	0.92	0.08	62,62,62,62	0
55	MG	2F	301	1/1	0.92	1.03	47,47,47,47	0
55	MG	2A	3168	1/1	0.92	0.28	53,53,53,53	0
55	MG	1A	3257	1/1	0.92	0.23	40,40,40,40	0
55	MG	2A	3774	1/1	0.92	0.21	79,79,79,79	0
55	MG	1A	3470	1/1	0.92	0.10	28,28,28,28	0
55	MG	2A	3005	1/1	0.92	0.13	44,44,44,44	0
55	MG	1A	3243	1/1	0.92	1.04	44,44,44,44	0
55	MG	1A	3710	1/1	0.92	0.10	42,42,42,42	0
55	MG	1A	3051	1/1	0.92	0.57	30,30,30,30	0
55	MG	1A	3499	1/1	0.92	0.12	59,59,59,59	0
55	MG	1l	201	1/1	0.92	0.22	74,74,74,74	0
55	MG	1A	3285	1/1	0.92	0.28	47,47,47,47	0
55	MG	1A	3671	1/1	0.92	0.20	46,46,46,46	0
55	MG	2a	1605	1/1	0.92	0.30	56,56,56,56	0
55	MG	2A	3237	1/1	0.92	0.17	67,67,67,67	0
55	MG	2F	303	1/1	0.92	0.48	62,62,62,62	0
55	MG	2a	1751	1/1	0.92	0.17	107,107,107,107	0
55	MG	2A	3276	1/1	0.92	0.14	48,48,48,48	0
55	MG	2a	1626	1/1	0.92	0.12	60,60,60,60	0
55	MG	1A	3849	1/1	0.92	0.26	89,89,89,89	0
55	MG	2A	3204	1/1	0.93	0.30	54,54,54,54	0
55	MG	10	108	1/1	0.93	0.68	43,43,43,43	0
55	MG	1A	3444	1/1	0.93	0.10	75,75,75,75	0
55	MG	2A	3339	1/1	0.93	0.05	71,71,71,71	0
55	MG	1A	3233	1/1	0.93	0.36	63,63,63,63	0
55	MG	2A	3082	1/1	0.93	0.14	56,56,56,56	0
55	MG	2a	1712	1/1	0.93	0.33	69,69,69,69	0
55	MG	1B	3005	1/1	0.93	0.11	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3177	1/1	0.93	0.15	62,62,62,62	0
55	MG	1A	3270	1/1	0.93	0.17	18,18,18,18	0
55	MG	1A	3805	1/1	0.93	0.07	65,65,65,65	0
55	MG	2A	3619	1/1	0.93	0.12	50,50,50,50	0
55	MG	2I	101	1/1	0.93	0.76	61,61,61,61	0
55	MG	2A	3414	1/1	0.93	0.24	72,72,72,72	0
55	MG	1A	3515	1/1	0.93	0.20	54,54,54,54	0
55	MG	13	102	1/1	0.93	0.35	44,44,44,44	0
55	MG	1A	3022	1/1	0.93	0.42	31,31,31,31	0
55	MG	2A	3385	1/1	0.93	0.18	32,32,32,32	0
55	MG	2A	3565	1/1	0.93	0.07	56,56,56,56	0
55	MG	2a	1706	1/1	0.93	0.28	63,63,63,63	0
55	MG	2A	3410	1/1	0.93	0.10	83,83,83,83	0
55	MG	2A	3049	1/1	0.93	0.21	38,38,38,38	0
55	MG	2a	1784	1/1	0.93	0.09	80,80,80,80	0
55	MG	20	102	1/1	0.93	0.17	75,75,75,75	0
55	MG	1a	3158	1/1	0.93	0.07	88,88,88,88	0
55	MG	1A	3378	1/1	0.93	0.12	20,20,20,20	0
55	MG	1A	3155	1/1	0.93	0.59	27,27,27,27	0
55	MG	1A	3387	1/1	0.93	0.13	70,70,70,70	0
55	MG	2A	3126	1/1	0.93	0.14	55,55,55,55	0
55	MG	2F	308	1/1	0.93	0.41	59,59,59,59	0
55	MG	1A	3481	1/1	0.93	0.10	23,23,23,23	0
55	MG	2a	1748	1/1	0.93	0.05	79,79,79,79	0
55	MG	1H	8002	1/1	0.93	0.10	46,46,46,46	0
55	MG	1A	3044	1/1	0.93	0.31	33,33,33,33	0
55	MG	10	102	1/1	0.93	0.45	52,52,52,52	0
55	MG	1a	3044	1/1	0.93	0.10	66,66,66,66	0
55	MG	1a	3031	1/1	0.93	0.09	61,61,61,61	0
55	MG	1A	3279	1/1	0.93	0.11	56,56,56,56	0
55	MG	2A	3187	1/1	0.93	0.61	73,73,73,73	0
55	MG	2A	3708	1/1	0.93	0.16	66,66,66,66	0
55	MG	1A	3137	1/1	0.93	0.96	46,46,46,46	0
55	MG	1A	3512	1/1	0.93	0.28	46,46,46,46	0
55	MG	2A	3369	1/1	0.93	0.12	58,58,58,58	0
55	MG	1A	3679	1/1	0.93	0.22	44,44,44,44	0
55	MG	2A	3013	1/1	0.93	0.11	60,60,60,60	0
55	MG	1A	3718	1/1	0.93	0.21	67,67,67,67	0
55	MG	2A	3494	1/1	0.93	0.10	77,77,77,77	0
55	MG	1A	3327	1/1	0.93	0.14	18,18,18,18	0
55	MG	2A	3265	1/1	0.93	0.16	59,59,59,59	0
55	MG	1A	3886	1/1	0.93	0.16	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3281	1/1	0.93	0.10	61,61,61,61	0
55	MG	1a	3008	1/1	0.93	0.43	60,60,60,60	0
55	MG	1A	3842	1/1	0.93	0.08	84,84,84,84	0
55	MG	2A	3343	1/1	0.93	0.04	73,73,73,73	0
55	MG	1A	3724	1/1	0.93	0.06	71,71,71,71	0
55	MG	1A	3865	1/1	0.93	0.14	75,75,75,75	0
55	MG	1A	3407	1/1	0.93	0.05	48,48,48,48	0
55	MG	2A	3392	1/1	0.93	0.19	31,31,31,31	0
55	MG	1A	3476	1/1	0.93	0.21	45,45,45,45	0
55	MG	1A	3575	1/1	0.93	0.31	23,23,23,23	0
55	MG	2A	3190	1/1	0.93	0.47	68,68,68,68	0
55	MG	1a	3106	1/1	0.93	0.06	60,60,60,60	0
55	MG	1A	3748	1/1	0.93	0.09	50,50,50,50	0
55	MG	1A	3436	1/1	0.93	0.17	49,49,49,49	0
55	MG	1A	3471	1/1	0.93	0.13	65,65,65,65	0
55	MG	2A	3657	1/1	0.93	0.08	66,66,66,66	0
55	MG	1a	3050	1/1	0.93	0.15	45,45,45,45	0
55	MG	1a	3193	1/1	0.93	0.21	74,74,74,74	0
55	MG	1D	317	1/1	0.93	0.24	57,57,57,57	0
55	MG	1A	3480	1/1	0.93	0.27	34,34,34,34	0
55	MG	2U	202	1/1	0.93	0.62	46,46,46,46	0
55	MG	2A	3399	1/1	0.93	0.16	45,45,45,45	0
55	MG	2a	1781	1/1	0.93	0.26	76,76,76,76	0
55	MG	1F	301	1/1	0.93	0.31	28,28,28,28	0
55	MG	2A	3182	1/1	0.93	0.27	72,72,72,72	0
55	MG	1A	3159	1/1	0.93	0.27	30,30,30,30	0
55	MG	2a	1735	1/1	0.93	0.08	81,81,81,81	0
55	MG	2a	1610	1/1	0.93	0.55	74,74,74,74	0
55	MG	1A	3235	1/1	0.93	0.37	38,38,38,38	0
55	MG	1a	3163	1/1	0.93	0.10	74,74,74,74	0
55	MG	1a	3010	1/1	0.93	0.14	78,78,78,78	0
55	MG	2A	3324	1/1	0.93	0.17	61,61,61,61	0
55	MG	2A	3688	1/1	0.93	0.13	66,66,66,66	0
55	MG	1A	3256	1/1	0.93	0.20	41,41,41,41	0
55	MG	1A	3706	1/1	0.93	0.16	54,54,54,54	0
55	MG	2A	3638	1/1	0.93	0.16	86,86,86,86	0
55	MG	2A	3018	1/1	0.93	1.18	52,52,52,52	0
55	MG	2A	3191	1/1	0.93	0.17	61,61,61,61	0
55	MG	1A	3898	1/1	0.93	0.38	63,63,63,63	0
55	MG	1U	206	1/1	0.93	0.26	28,28,28,28	0
55	MG	1a	3087	1/1	0.93	0.06	57,57,57,57	0
55	MG	2A	3772	1/1	0.93	0.08	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3009	1/1	0.93	0.49	59,59,59,59	0
55	MG	1A	3346	1/1	0.93	0.10	52,52,52,52	0
55	MG	1D	305	1/1	0.93	0.63	42,42,42,42	0
55	MG	2A	3287	1/1	0.93	0.09	39,39,39,39	0
55	MG	1A	3207	1/1	0.93	0.35	45,45,45,45	0
55	MG	2a	1790	1/1	0.93	0.46	80,80,80,80	0
55	MG	2A	3531	1/1	0.93	0.09	83,83,83,83	0
55	MG	2A	3002	1/1	0.93	0.12	63,63,63,63	0
55	MG	2A	3785	1/1	0.93	0.09	60,60,60,60	0
55	MG	2a	1753	1/1	0.93	0.50	69,69,69,69	0
55	MG	1A	3069	1/1	0.93	0.17	38,38,38,38	0
55	MG	1a	3138	1/1	0.93	0.12	58,58,58,58	0
55	MG	2a	1630	1/1	0.93	0.50	50,50,50,50	0
55	MG	2A	3103	1/1	0.93	0.51	65,65,65,65	0
55	MG	1a	3172	1/1	0.93	0.17	77,77,77,77	0
55	MG	2A	3500	1/1	0.93	0.31	41,41,41,41	0
55	MG	2A	3382	1/1	0.93	0.19	65,65,65,65	0
55	MG	1A	3719	1/1	0.93	0.10	45,45,45,45	0
55	MG	2a	1789	1/1	0.93	0.11	86,86,86,86	0
55	MG	2A	3733	1/1	0.93	0.07	60,60,60,60	0
55	MG	2a	1681	1/1	0.93	0.12	84,84,84,84	0
55	MG	2A	3474	1/1	0.93	0.10	70,70,70,70	0
55	MG	1A	3129	1/1	0.93	0.27	36,36,36,36	0
55	MG	2A	3577	1/1	0.93	0.10	56,56,56,56	0
55	MG	2A	3544	1/1	0.93	0.06	90,90,90,90	0
55	MG	1A	3080	1/1	0.93	0.59	36,36,36,36	0
55	MG	1a	3210	1/1	0.93	0.15	78,78,78,78	0
55	MG	1a	3112	1/1	0.93	0.17	86,86,86,86	0
55	MG	2a	1737	1/1	0.93	0.24	69,69,69,69	0
55	MG	2A	3594	1/1	0.93	0.11	56,56,56,56	0
55	MG	1A	3406	1/1	0.93	0.19	46,46,46,46	0
55	MG	2a	1728	1/1	0.93	0.13	86,86,86,86	0
55	MG	2a	1778	1/1	0.93	0.06	79,79,79,79	0
55	MG	1A	3620	1/1	0.93	0.05	50,50,50,50	0
55	MG	2a	1732	1/1	0.93	0.10	74,74,74,74	0
55	MG	2A	3169	1/1	0.93	0.81	50,50,50,50	0
55	MG	2A	3417	1/1	0.93	0.76	58,58,58,58	0
55	MG	2A	3318	1/1	0.93	0.21	67,67,67,67	0
55	MG	1A	3323	1/1	0.93	0.20	46,46,46,46	0
55	MG	2a	1662	1/1	0.93	0.09	74,74,74,74	0
55	MG	1A	3411	1/1	0.93	0.17	52,52,52,52	0
55	MG	1A	3386	1/1	0.93	0.08	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1690	1/1	0.93	0.24	83,83,83,83	0
55	MG	1a	3128	1/1	0.93	0.18	71,71,71,71	0
55	MG	2A	3783	1/1	0.93	0.12	78,78,78,78	0
55	MG	2a	1723	1/1	0.93	0.23	110,110,110,110	0
55	MG	1a	3220	1/1	0.93	0.09	65,65,65,65	0
55	MG	1a	3109	1/1	0.93	0.24	53,53,53,53	0
55	MG	2A	3592	1/1	0.93	0.17	89,89,89,89	0
55	MG	2A	3668	1/1	0.93	0.12	66,66,66,66	0
55	MG	2A	3303	1/1	0.93	0.12	88,88,88,88	0
55	MG	2A	3499	1/1	0.93	0.09	65,65,65,65	0
56	A	2A	3821	1/23	0.93	0.16	79,79,79,79	0
55	MG	2A	3484	1/1	0.93	0.48	46,46,46,46	0
55	MG	1Q	203	1/1	0.93	0.21	38,38,38,38	0
55	MG	1A	3358	1/1	0.93	0.13	19,19,19,19	0
55	MG	2a	1689	1/1	0.93	0.10	58,58,58,58	0
55	MG	2A	3691	1/1	0.93	0.12	70,70,70,70	0
55	MG	1a	3167	1/1	0.93	0.11	86,86,86,86	0
55	MG	1A	3215	1/1	0.93	0.42	38,38,38,38	0
55	MG	2a	1713	1/1	0.93	0.06	69,69,69,69	0
55	MG	2A	3334	1/1	0.93	0.17	45,45,45,45	0
55	MG	2A	3728	1/1	0.93	0.11	34,34,34,34	0
55	MG	1A	3140	1/1	0.93	0.17	37,37,37,37	0
55	MG	1A	3765	1/1	0.94	0.10	39,39,39,39	0
55	MG	1a	3188	1/1	0.94	0.18	64,64,64,64	0
55	MG	1A	3029	1/1	0.94	0.19	38,38,38,38	0
55	MG	2A	3515	1/1	0.94	0.23	52,52,52,52	0
55	MG	1A	3289	1/1	0.94	0.13	53,53,53,53	0
55	MG	1A	3786	1/1	0.94	0.14	23,23,23,23	0
55	MG	1A	3121	1/1	0.94	0.15	43,43,43,43	0
55	MG	2A	3408	1/1	0.94	0.14	67,67,67,67	0
55	MG	1A	3567	1/1	0.94	0.23	30,30,30,30	0
55	MG	1A	3800	1/1	0.94	0.16	64,64,64,64	0
55	MG	2A	3371	1/1	0.94	0.17	36,36,36,36	0
55	MG	1a	3211	1/1	0.94	0.23	59,59,59,59	0
55	MG	2A	3493	1/1	0.94	0.27	51,51,51,51	0
55	MG	1B	3020	1/1	0.94	0.27	73,73,73,73	0
55	MG	2A	3554	1/1	0.94	0.22	58,58,58,58	0
55	MG	2A	3409	1/1	0.94	0.13	48,48,48,48	0
55	MG	1A	3704	1/1	0.94	0.06	42,42,42,42	0
55	MG	1a	3097	1/1	0.94	0.10	61,61,61,61	0
55	MG	1A	3469	1/1	0.94	0.18	39,39,39,39	0
55	MG	2A	3434	1/1	0.94	0.11	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3339	1/1	0.94	0.15	18,18,18,18	0
55	MG	1A	3067	1/1	0.94	1.04	37,37,37,37	0
55	MG	1A	3308	1/1	0.94	0.08	42,42,42,42	0
55	MG	1A	3908	1/1	0.94	0.36	33,33,33,33	0
55	MG	2A	3738	1/1	0.94	0.10	86,86,86,86	0
55	MG	1a	3187	1/1	0.94	0.07	89,89,89,89	0
55	MG	1A	3829	1/1	0.94	0.20	60,60,60,60	0
55	MG	1A	3375	1/1	0.94	0.14	51,51,51,51	0
55	MG	2A	3775	1/1	0.94	0.16	57,57,57,57	0
55	MG	17	102	1/1	0.94	0.49	36,36,36,36	0
55	MG	2A	3286	1/1	0.94	0.11	42,42,42,42	0
55	MG	1A	3045	1/1	0.94	0.18	12,12,12,12	0
55	MG	1A	3420	1/1	0.94	0.14	27,27,27,27	0
55	MG	1a	3176	1/1	0.94	0.14	92,92,92,92	0
55	MG	2A	3210	1/1	0.94	0.09	95,95,95,95	0
55	MG	2A	3271	1/1	0.94	0.15	36,36,36,36	0
55	MG	1A	3528	1/1	0.94	0.15	57,57,57,57	0
55	MG	1A	3560	1/1	0.94	0.06	72,72,72,72	0
55	MG	2A	3073	1/1	0.94	0.56	48,48,48,48	0
55	MG	1B	3008	1/1	0.94	0.18	57,57,57,57	0
55	MG	1A	3242	1/1	0.94	0.42	29,29,29,29	0
55	MG	1A	3873	1/1	0.94	0.10	49,49,49,49	0
55	MG	1A	3762	1/1	0.94	0.65	48,48,48,48	0
55	MG	1a	3204	1/1	0.94	0.06	72,72,72,72	0
55	MG	1a	3060	1/1	0.94	0.21	69,69,69,69	0
55	MG	2a	1622	1/1	0.94	0.44	50,50,50,50	0
55	MG	1A	3030	1/1	0.94	0.12	30,30,30,30	0
55	MG	1A	3082	1/1	0.94	0.73	37,37,37,37	0
55	MG	2a	1703	1/1	0.94	0.08	61,61,61,61	0
55	MG	1A	3395	1/1	0.94	0.11	44,44,44,44	0
55	MG	2A	3242	1/1	0.94	0.24	40,40,40,40	0
55	MG	1D	312	1/1	0.94	0.24	15,15,15,15	0
55	MG	2A	3261	1/1	0.94	0.11	88,88,88,88	0
55	MG	2P	201	1/1	0.94	0.56	51,51,51,51	0
55	MG	1A	3177	1/1	0.94	0.57	52,52,52,52	0
55	MG	1a	3105	1/1	0.94	0.14	58,58,58,58	0
55	MG	1A	3435	1/1	0.94	0.08	69,69,69,69	0
55	MG	2A	3362	1/1	0.94	0.18	61,61,61,61	0
55	MG	1A	3689	1/1	0.94	0.10	68,68,68,68	0
55	MG	1a	3011	1/1	0.94	0.15	32,32,32,32	0
55	MG	2A	3529	1/1	0.94	0.13	75,75,75,75	0
55	MG	1F	308	1/1	0.94	0.53	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3266	1/1	0.94	0.17	70,70,70,70	0
55	MG	1A	3591	1/1	0.94	0.08	30,30,30,30	0
55	MG	10	106	1/1	0.94	0.07	58,58,58,58	0
55	MG	2A	3042	1/1	0.94	0.17	27,27,27,27	0
55	MG	1A	3283	1/1	0.94	0.12	25,25,25,25	0
55	MG	2A	3396	1/1	0.94	0.19	71,71,71,71	0
55	MG	1A	3737	1/1	0.94	0.11	14,14,14,14	0
55	MG	1E	305	1/1	0.94	0.16	26,26,26,26	0
55	MG	2A	3806	1/1	0.94	0.20	73,73,73,73	0
55	MG	1a	3119	1/1	0.94	0.10	81,81,81,81	0
55	MG	2A	3665	1/1	0.94	0.09	59,59,59,59	0
55	MG	13	101	1/1	0.94	0.36	32,32,32,32	0
55	MG	1A	3820	1/1	0.94	0.60	41,41,41,41	0
55	MG	1A	3217	1/1	0.94	0.42	45,45,45,45	0
55	MG	2A	3508	1/1	0.94	0.56	57,57,57,57	0
55	MG	1A	3860	1/1	0.94	0.14	53,53,53,53	0
55	MG	1A	3368	1/1	0.94	0.19	29,29,29,29	0
55	MG	1A	3049	1/1	0.94	0.53	45,45,45,45	0
55	MG	1A	3801	1/1	0.94	0.04	56,56,56,56	0
55	MG	1A	3561	1/1	0.94	0.09	47,47,47,47	0
55	MG	2A	3694	1/1	0.94	0.04	65,65,65,65	0
55	MG	2A	3098	1/1	0.94	0.19	53,53,53,53	0
55	MG	2A	3313	1/1	0.94	0.09	40,40,40,40	0
55	MG	2A	3658	1/1	0.94	0.18	76,76,76,76	0
55	MG	1A	3311	1/1	0.94	0.06	34,34,34,34	0
55	MG	1A	3392	1/1	0.94	0.14	35,35,35,35	0
55	MG	2A	3188	1/1	0.94	0.17	45,45,45,45	0
55	MG	2A	3066	1/1	0.94	0.40	58,58,58,58	0
55	MG	1A	3912	1/1	0.94	0.14	43,43,43,43	0
55	MG	1a	3082	1/1	0.94	0.20	62,62,62,62	0
55	MG	2A	3272	1/1	0.94	0.10	41,41,41,41	0
55	MG	1A	3664	1/1	0.94	0.13	59,59,59,59	0
55	MG	2A	3780	1/1	0.94	0.11	40,40,40,40	0
55	MG	2A	3017	1/1	0.94	0.53	54,54,54,54	0
55	MG	2D	306	1/1	0.94	0.21	57,57,57,57	0
55	MG	2A	3656	1/1	0.94	0.11	42,42,42,42	0
55	MG	1A	3545	1/1	0.94	0.49	36,36,36,36	0
55	MG	2A	3112	1/1	0.94	0.62	77,77,77,77	0
55	MG	2A	3374	1/1	0.94	0.16	62,62,62,62	0
55	MG	1a	3046	1/1	0.94	0.26	54,54,54,54	0
55	MG	1A	3075	1/1	0.94	0.76	41,41,41,41	0
55	MG	2A	3439	1/1	0.94	0.39	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3540	1/1	0.94	0.18	64,64,64,64	0
55	MG	1A	3268	1/1	0.94	0.18	35,35,35,35	0
55	MG	1g	3001	1/1	0.94	0.20	66,66,66,66	0
55	MG	2a	1613	1/1	0.94	0.41	61,61,61,61	0
55	MG	2A	3253	1/1	0.94	0.16	56,56,56,56	0
55	MG	25	102	1/1	0.94	0.35	62,62,62,62	0
55	MG	1A	3521	1/1	0.94	0.20	45,45,45,45	0
55	MG	2A	3527	1/1	0.94	0.31	73,73,73,73	0
55	MG	1A	3276	1/1	0.94	0.24	3,3,3,3	0
55	MG	1A	3643	1/1	0.94	0.11	34,34,34,34	0
55	MG	1A	3880	1/1	0.94	0.10	66,66,66,66	0
55	MG	1a	3104	1/1	0.94	0.30	82,82,82,82	0
55	MG	2A	3548	1/1	0.94	0.07	65,65,65,65	0
55	MG	2a	1676	1/1	0.94	0.17	55,55,55,55	0
55	MG	10	107	1/1	0.94	0.18	57,57,57,57	0
55	MG	2a	1725	1/1	0.94	0.12	86,86,86,86	0
55	MG	1A	3653	1/1	0.94	0.13	62,62,62,62	0
55	MG	2A	3737	1/1	0.94	0.07	80,80,80,80	0
55	MG	2A	3327	1/1	0.94	0.35	67,67,67,67	0
55	MG	1A	3373	1/1	0.94	0.12	58,58,58,58	0
55	MG	1A	3822	1/1	0.94	0.09	58,58,58,58	0
55	MG	1a	3200	1/1	0.94	0.08	93,93,93,93	0
55	MG	1d	506	1/1	0.94	0.09	91,91,91,91	0
55	MG	2A	3379	1/1	0.94	0.09	61,61,61,61	0
55	MG	1A	3650	1/1	0.94	0.37	49,49,49,49	0
55	MG	1A	3209	1/1	0.94	0.17	72,72,72,72	0
55	MG	1A	3383	1/1	0.94	0.12	20,20,20,20	0
55	MG	2A	3524	1/1	0.94	0.09	67,67,67,67	0
55	MG	2A	3361	1/1	0.94	0.07	64,64,64,64	0
55	MG	2A	3311	1/1	0.94	0.15	42,42,42,42	0
55	MG	1a	3084	1/1	0.94	0.29	64,64,64,64	0
55	MG	2D	311	1/1	0.94	0.16	53,53,53,53	0
55	MG	2A	3093	1/1	0.94	0.39	46,46,46,46	0
55	MG	1F	316	1/1	0.94	0.10	69,69,69,69	0
55	MG	2A	3139	1/1	0.94	0.51	53,53,53,53	0
55	MG	1A	3450	1/1	0.94	0.13	19,19,19,19	0
55	MG	1A	3238	1/1	0.94	0.39	38,38,38,38	0
55	MG	1A	3265	1/1	0.94	0.18	44,44,44,44	0
55	MG	2a	1704	1/1	0.94	0.14	68,68,68,68	0
55	MG	2A	3558	1/1	0.94	0.08	59,59,59,59	0
55	MG	1A	3062	1/1	0.94	0.22	37,37,37,37	0
55	MG	2A	3696	1/1	0.94	0.09	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3035	1/1	0.94	0.15	37,37,37,37	0
55	MG	1A	3735	1/1	0.94	0.35	27,27,27,27	0
55	MG	1A	3884	1/1	0.94	0.07	18,18,18,18	0
55	MG	1A	3055	1/1	0.94	0.24	53,53,53,53	0
55	MG	2A	3123	1/1	0.94	0.24	43,43,43,43	0
55	MG	2A	3236	1/1	0.94	0.08	80,80,80,80	0
55	MG	1A	3628	1/1	0.94	0.07	50,50,50,50	0
55	MG	2A	3291	1/1	0.94	0.15	34,34,34,34	0
55	MG	1A	3698	1/1	0.94	0.13	48,48,48,48	0
55	MG	2A	3179	1/1	0.94	0.99	48,48,48,48	0
55	MG	2A	3213	1/1	0.94	0.16	33,33,33,33	0
55	MG	1a	3209	1/1	0.94	0.12	52,52,52,52	0
55	MG	1A	3298	1/1	0.94	0.19	27,27,27,27	0
55	MG	2A	3356	1/1	0.94	0.19	43,43,43,43	0
55	MG	2A	3651	1/1	0.94	0.22	56,56,56,56	0
55	MG	2A	3282	1/1	0.94	0.12	34,34,34,34	0
55	MG	1A	3714	1/1	0.94	0.10	68,68,68,68	0
55	MG	1A	3784	1/1	0.94	0.07	42,42,42,42	0
55	MG	1A	3823	1/1	0.94	0.12	28,28,28,28	0
55	MG	1a	3115	1/1	0.94	0.40	66,66,66,66	0
55	MG	2A	3051	1/1	0.94	0.84	61,61,61,61	0
55	MG	2A	3818	1/1	0.94	0.24	57,57,57,57	0
55	MG	1A	3858	1/1	0.94	0.11	56,56,56,56	0
55	MG	2a	1796	1/1	0.94	0.14	60,60,60,60	0
55	MG	1A	3809	1/1	0.94	0.16	13,13,13,13	0
55	MG	1a	3090	1/1	0.94	0.06	40,40,40,40	0
55	MG	1A	3370	1/1	0.94	0.16	41,41,41,41	0
55	MG	2A	3526	1/1	0.94	0.13	73,73,73,73	0
55	MG	1A	3674	1/1	0.94	0.15	26,26,26,26	0
55	MG	1a	3212	1/1	0.94	0.05	51,51,51,51	0
55	MG	2A	3120	1/1	0.94	0.81	56,56,56,56	0
55	MG	2a	1715	1/1	0.94	0.14	82,82,82,82	0
55	MG	1A	3845	1/1	0.94	0.18	43,43,43,43	0
55	MG	2A	3617	1/1	0.94	0.09	33,33,33,33	0
55	MG	1A	3686	1/1	0.94	0.08	35,35,35,35	0
55	MG	2A	3628	1/1	0.94	0.32	63,63,63,63	0
55	MG	2A	3630	1/1	0.94	0.32	58,58,58,58	0
55	MG	1A	3803	1/1	0.94	0.07	39,39,39,39	0
55	MG	2A	3512	1/1	0.94	0.19	61,61,61,61	0
55	MG	1a	3070	1/1	0.94	0.18	62,62,62,62	0
55	MG	2A	3076	1/1	0.94	0.28	55,55,55,55	0
55	MG	1A	3588	1/1	0.94	0.14	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3309	1/1	0.94	0.17	32,32,32,32	0
55	MG	2A	3118	1/1	0.94	0.32	52,52,52,52	0
55	MG	2A	3718	1/1	0.94	0.08	83,83,83,83	0
55	MG	1A	3682	1/1	0.94	0.27	61,61,61,61	0
55	MG	2A	3279	1/1	0.94	0.15	45,45,45,45	0
55	MG	2A	3764	1/1	0.94	0.12	72,72,72,72	0
55	MG	2A	3609	1/1	0.94	0.12	38,38,38,38	0
55	MG	1A	3352	1/1	0.94	0.10	22,22,22,22	0
55	MG	2A	3517	1/1	0.94	0.12	64,64,64,64	0
55	MG	1A	3312	1/1	0.94	0.07	64,64,64,64	0
55	MG	1A	3018	1/1	0.94	0.41	23,23,23,23	0
55	MG	1d	505	1/1	0.94	0.06	74,74,74,74	0
55	MG	1A	3894	1/1	0.94	0.82	38,38,38,38	0
55	MG	2A	3145	1/1	0.94	0.16	79,79,79,79	0
55	MG	2A	3749	1/1	0.94	0.05	85,85,85,85	0
55	MG	2A	3335	1/1	0.94	0.07	71,71,71,71	0
55	MG	1a	3141	1/1	0.94	0.10	75,75,75,75	0
55	MG	1N	8001	1/1	0.94	0.44	51,51,51,51	0
55	MG	1F	315	1/1	0.94	0.45	43,43,43,43	0
55	MG	1A	3780	1/1	0.94	0.04	58,58,58,58	0
55	MG	2A	3626	1/1	0.94	0.17	60,60,60,60	0
55	MG	2A	3397	1/1	0.94	0.09	76,76,76,76	0
55	MG	1A	3520	1/1	0.94	0.18	56,56,56,56	0
55	MG	1a	3195	1/1	0.95	0.10	62,62,62,62	0
55	MG	1A	3862	1/1	0.95	0.12	59,59,59,59	0
55	MG	1A	3291	1/1	0.95	0.16	30,30,30,30	0
55	MG	2A	3233	1/1	0.95	0.16	73,73,73,73	0
55	MG	1A	3425	1/1	0.95	0.14	20,20,20,20	0
55	MG	1a	3127	1/1	0.95	0.10	53,53,53,53	0
55	MG	1a	3030	1/1	0.95	0.93	61,61,61,61	0
55	MG	1A	3473	1/1	0.95	0.05	63,63,63,63	0
55	MG	1A	3700	1/1	0.95	0.12	24,24,24,24	0
55	MG	2A	3341	1/1	0.95	0.17	34,34,34,34	0
55	MG	2A	3183	1/1	0.95	0.20	75,75,75,75	0
55	MG	2A	3611	1/1	0.95	0.42	83,83,83,83	0
55	MG	2n	503	1/1	0.95	0.32	85,85,85,85	0
55	MG	2A	3820	1/1	0.95	0.11	69,69,69,69	0
55	MG	1R	203	1/1	0.95	0.23	19,19,19,19	0
55	MG	2a	1679	1/1	0.95	0.10	63,63,63,63	0
55	MG	1A	3868	1/1	0.95	0.09	29,29,29,29	0
55	MG	2A	3440	1/1	0.95	0.17	74,74,74,74	0
55	MG	1A	3644	1/1	0.95	0.12	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3770	1/1	0.95	0.04	79,79,79,79	0
55	MG	2A	3545	1/1	0.95	0.17	97,97,97,97	0
55	MG	2A	3217	1/1	0.95	0.15	32,32,32,32	0
55	MG	1A	3241	1/1	0.95	0.23	30,30,30,30	0
55	MG	1B	3018	1/1	0.95	0.10	37,37,37,37	0
55	MG	2A	3424	1/1	0.95	0.20	50,50,50,50	0
55	MG	1a	3201	1/1	0.95	0.13	92,92,92,92	0
55	MG	1A	3187	1/1	0.95	0.09	52,52,52,52	0
55	MG	1A	3277	1/1	0.95	0.16	30,30,30,30	0
55	MG	2R	203	1/1	0.95	0.20	39,39,39,39	0
55	MG	1a	3061	1/1	0.95	0.17	74,74,74,74	0
55	MG	2A	3391	1/1	0.95	0.07	43,43,43,43	0
55	MG	2A	3536	1/1	0.95	0.06	64,64,64,64	0
55	MG	2A	3741	1/1	0.95	0.05	70,70,70,70	0
55	MG	1A	3083	1/1	0.95	0.06	57,57,57,57	0
55	MG	1a	3156	1/1	0.95	0.18	69,69,69,69	0
55	MG	1a	3102	1/1	0.95	0.09	48,48,48,48	0
55	MG	1a	3059	1/1	0.95	0.16	80,80,80,80	0
55	MG	1a	3079	1/1	0.95	0.17	55,55,55,55	0
55	MG	2A	3443	1/1	0.95	0.17	63,63,63,63	0
55	MG	1A	3622	1/1	0.95	0.09	76,76,76,76	0
57	ZN	2n	501	1/1	0.95	0.08	108,108,108,108	0
55	MG	2a	1672	1/1	0.95	0.13	57,57,57,57	0
55	MG	1a	3096	1/1	0.95	0.16	78,78,78,78	0
55	MG	2D	310	1/1	0.95	0.10	55,55,55,55	0
55	MG	1a	3157	1/1	0.95	0.07	82,82,82,82	0
55	MG	1A	3292	1/1	0.95	0.18	52,52,52,52	0
55	MG	1a	3155	1/1	0.95	0.11	78,78,78,78	0
55	MG	1A	3401	1/1	0.95	0.06	62,62,62,62	0
55	MG	1A	3720	1/1	0.95	0.06	65,65,65,65	0
55	MG	2A	3715	1/1	0.95	0.08	66,66,66,66	0
55	MG	1A	3056	1/1	0.95	0.20	28,28,28,28	0
55	MG	2A	3604	1/1	0.95	0.33	65,65,65,65	0
55	MG	1A	3050	1/1	0.95	0.36	29,29,29,29	0
55	MG	1A	3367	1/1	0.95	0.19	30,30,30,30	0
55	MG	2A	3092	1/1	0.95	0.66	49,49,49,49	0
55	MG	1A	3100	1/1	0.95	0.25	25,25,25,25	0
55	MG	1A	3572	1/1	0.95	0.12	41,41,41,41	0
55	MG	2A	3063	1/1	0.95	1.28	49,49,49,49	0
55	MG	2a	1634	1/1	0.95	0.56	81,81,81,81	0
55	MG	1A	3677	1/1	0.95	0.09	56,56,56,56	0
55	MG	1A	3566	1/1	0.95	0.11	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3871	1/1	0.95	0.09	21,21,21,21	0
55	MG	2A	3330	1/1	0.95	0.14	57,57,57,57	0
55	MG	2A	3037	1/1	0.95	0.18	24,24,24,24	0
55	MG	1A	3852	1/1	0.95	0.22	24,24,24,24	0
55	MG	1a	3131	1/1	0.95	0.15	76,76,76,76	0
55	MG	1A	3766	1/1	0.95	0.07	39,39,39,39	0
55	MG	2A	3227	1/1	0.95	0.15	65,65,65,65	0
55	MG	2A	3322	1/1	0.95	0.07	62,62,62,62	0
55	MG	2A	3422	1/1	0.95	0.09	52,52,52,52	0
55	MG	1A	3462	1/1	0.95	0.04	40,40,40,40	0
55	MG	1A	3442	1/1	0.95	0.07	49,49,49,49	0
55	MG	1m	201	1/1	0.95	0.16	72,72,72,72	0
55	MG	2A	3332	1/1	0.95	0.08	46,46,46,46	0
55	MG	1A	3010	1/1	0.95	0.41	37,37,37,37	0
55	MG	2A	3763	1/1	0.95	0.12	41,41,41,41	0
55	MG	27	101	1/1	0.95	0.22	55,55,55,55	0
55	MG	2A	3203	1/1	0.95	1.10	63,63,63,63	0
55	MG	2A	3255	1/1	0.95	0.19	62,62,62,62	0
55	MG	1A	3166	1/1	0.95	0.44	46,46,46,46	0
55	MG	2A	3395	1/1	0.95	0.14	35,35,35,35	0
55	MG	2a	1664	1/1	0.95	0.34	69,69,69,69	0
55	MG	2A	3166	1/1	0.95	0.41	44,44,44,44	0
55	MG	2A	3674	1/1	0.95	0.17	66,66,66,66	0
55	MG	1A	3680	1/1	0.95	0.10	59,59,59,59	0
55	MG	2D	309	1/1	0.95	0.20	30,30,30,30	0
55	MG	1A	3687	1/1	0.95	0.17	56,56,56,56	0
55	MG	1A	3282	1/1	0.95	0.10	26,26,26,26	0
55	MG	1A	3789	1/1	0.95	0.10	31,31,31,31	0
55	MG	1A	3651	1/1	0.95	0.15	40,40,40,40	0
55	MG	1U	202	1/1	0.95	0.19	43,43,43,43	0
55	MG	1A	3158	1/1	0.95	0.15	37,37,37,37	0
55	MG	1F	313	1/1	0.95	0.16	32,32,32,32	0
55	MG	1A	3114	1/1	0.95	0.27	37,37,37,37	0
55	MG	1A	3463	1/1	0.95	0.10	28,28,28,28	0
55	MG	1A	3669	1/1	0.95	0.26	56,56,56,56	0
55	MG	2F	302	1/1	0.95	0.62	55,55,55,55	0
55	MG	1A	3621	1/1	0.95	0.12	40,40,40,40	0
55	MG	1A	3344	1/1	0.95	0.08	25,25,25,25	0
55	MG	1A	3269	1/1	0.95	0.07	62,62,62,62	0
55	MG	1U	203	1/1	0.95	0.52	42,42,42,42	0
55	MG	1a	3113	1/1	0.95	0.29	66,66,66,66	0
55	MG	2a	1738	1/1	0.95	0.80	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3298	1/1	0.95	0.12	56,56,56,56	0
55	MG	1A	3751	1/1	0.95	0.20	39,39,39,39	0
55	MG	23	101	1/1	0.95	0.88	64,64,64,64	0
55	MG	1A	3261	1/1	0.95	0.36	28,28,28,28	0
55	MG	2V	205	1/1	0.95	0.31	73,73,73,73	0
55	MG	1A	3428	1/1	0.95	0.10	68,68,68,68	0
55	MG	1a	3192	1/1	0.95	0.11	49,49,49,49	0
55	MG	2F	310	1/1	0.95	0.15	75,75,75,75	0
55	MG	2a	1749	1/1	0.95	0.05	80,80,80,80	0
55	MG	1A	3637	1/1	0.95	0.17	38,38,38,38	0
55	MG	1A	3318	1/1	0.95	0.26	61,61,61,61	0
55	MG	1A	3310	1/1	0.95	0.26	41,41,41,41	0
55	MG	2a	1618	1/1	0.95	0.42	81,81,81,81	0
55	MG	1A	3211	1/1	0.95	0.77	31,31,31,31	0
55	MG	2A	3702	1/1	0.95	0.16	34,34,34,34	0
55	MG	1A	3743	1/1	0.95	0.11	45,45,45,45	0
55	MG	1A	3910	1/1	0.95	0.51	35,35,35,35	0
55	MG	1A	3393	1/1	0.95	0.11	53,53,53,53	0
55	MG	1A	3335	1/1	0.95	0.18	19,19,19,19	0
55	MG	1A	3303	1/1	0.95	0.15	13,13,13,13	0
55	MG	1A	3649	1/1	0.95	0.12	33,33,33,33	0
55	MG	1A	3688	1/1	0.95	0.09	26,26,26,26	0
55	MG	1A	3716	1/1	0.95	0.07	46,46,46,46	0
55	MG	1A	3347	1/1	0.95	0.12	18,18,18,18	0
55	MG	2A	3795	1/1	0.95	0.13	72,72,72,72	0
55	MG	1a	3042	1/1	0.95	0.20	53,53,53,53	0
55	MG	2A	3561	1/1	0.95	0.08	59,59,59,59	0
55	MG	1A	3881	1/1	0.95	0.25	43,43,43,43	0
55	MG	2A	3607	1/1	0.95	0.12	80,80,80,80	0
55	MG	1A	3458	1/1	0.95	0.10	46,46,46,46	0
55	MG	1A	3403	1/1	0.95	0.09	53,53,53,53	0
55	MG	2A	3496	1/1	0.95	0.16	43,43,43,43	0
55	MG	1Q	205	1/1	0.95	0.12	43,43,43,43	0
55	MG	1A	3068	1/1	0.95	0.29	27,27,27,27	0
55	MG	2A	3006	1/1	0.95	0.12	36,36,36,36	0
55	MG	1A	3497	1/1	0.95	0.14	66,66,66,66	0
55	MG	2A	3450	1/1	0.95	0.16	40,40,40,40	0
55	MG	2A	3519	1/1	0.95	0.10	73,73,73,73	0
55	MG	1A	3162	1/1	0.95	0.64	37,37,37,37	0
55	MG	1A	3505	1/1	0.95	0.18	31,31,31,31	0
55	MG	2A	3344	1/1	0.95	0.11	55,55,55,55	0
55	MG	17	104	1/1	0.95	0.32	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3532	1/1	0.95	0.06	84,84,84,84	0
55	MG	2a	1601	1/1	0.95	0.32	79,79,79,79	0
55	MG	1A	3768	1/1	0.95	0.10	46,46,46,46	0
55	MG	2A	3601	1/1	0.95	0.11	58,58,58,58	0
55	MG	2B	3009	1/1	0.95	0.09	71,71,71,71	0
55	MG	1A	3006	1/1	0.95	0.11	21,21,21,21	0
55	MG	2A	3365	1/1	0.95	0.22	39,39,39,39	0
55	MG	1A	3841	1/1	0.95	0.08	64,64,64,64	0
57	ZN	1n	501	1/1	0.95	0.15	88,88,88,88	0
55	MG	1A	3821	1/1	0.95	0.10	54,54,54,54	0
55	MG	1A	3025	1/1	0.95	0.61	33,33,33,33	0
55	MG	1A	3472	1/1	0.95	0.17	58,58,58,58	0
55	MG	2A	3687	1/1	0.95	0.17	49,49,49,49	0
55	MG	2A	3566	1/1	0.95	0.33	64,64,64,64	0
55	MG	2a	1705	1/1	0.95	0.21	69,69,69,69	0
55	MG	1D	310	1/1	0.95	0.52	42,42,42,42	0
55	MG	1A	3616	1/1	0.95	0.05	48,48,48,48	0
55	MG	1A	3213	1/1	0.95	0.85	32,32,32,32	0
55	MG	1A	3394	1/1	0.95	0.20	50,50,50,50	0
55	MG	1A	3531	1/1	0.95	0.05	46,46,46,46	0
55	MG	1A	3127	1/1	0.95	0.21	14,14,14,14	0
55	MG	1A	3495	1/1	0.95	0.14	49,49,49,49	0
55	MG	2Q	8003	1/1	0.95	0.18	57,57,57,57	0
55	MG	1A	3609	1/1	0.95	0.10	62,62,62,62	0
55	MG	1A	3431	1/1	0.95	0.12	40,40,40,40	0
55	MG	1A	3553	1/1	0.95	0.24	37,37,37,37	0
55	MG	1A	3746	1/1	0.95	0.14	31,31,31,31	0
55	MG	1A	3813	1/1	0.95	0.08	25,25,25,25	0
55	MG	1A	3819	1/1	0.95	0.12	58,58,58,58	0
55	MG	2a	1639	1/1	0.95	0.55	50,50,50,50	0
55	MG	2A	3214	1/1	0.95	0.14	37,37,37,37	0
55	MG	1A	3414	1/1	0.95	0.15	19,19,19,19	0
55	MG	1A	3638	1/1	0.95	0.43	31,31,31,31	0
55	MG	1A	3424	1/1	0.95	0.04	62,62,62,62	0
55	MG	1A	3738	1/1	0.95	0.13	14,14,14,14	0
55	MG	2A	3352	1/1	0.95	0.18	59,59,59,59	0
55	MG	2A	3178	1/1	0.95	0.68	38,38,38,38	0
55	MG	2A	3616	1/1	0.95	0.12	53,53,53,53	0
55	MG	2A	3444	1/1	0.95	0.15	31,31,31,31	0
55	MG	1A	3320	1/1	0.95	0.15	62,62,62,62	0
55	MG	2A	3262	1/1	0.95	0.23	74,74,74,74	0
55	MG	1A	3475	1/1	0.95	0.99	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3461	1/1	0.95	0.11	34,34,34,34	0
55	MG	1A	3016	1/1	0.95	0.50	19,19,19,19	0
55	MG	1R	201	1/1	0.95	0.97	46,46,46,46	0
55	MG	1A	3336	1/1	0.95	0.11	21,21,21,21	0
55	MG	2A	3007	1/1	0.95	0.19	61,61,61,61	0
55	MG	1A	3297	1/1	0.95	0.16	15,15,15,15	0
55	MG	1A	3827	1/1	0.95	0.12	64,64,64,64	0
55	MG	2U	204	1/1	0.95	0.19	55,55,55,55	0
55	MG	1A	3427	1/1	0.95	0.08	42,42,42,42	0
55	MG	1A	3615	1/1	0.95	0.14	19,19,19,19	0
55	MG	1a	3177	1/1	0.95	0.08	74,74,74,74	0
55	MG	1A	3663	1/1	0.95	0.09	26,26,26,26	0
55	MG	2A	3353	1/1	0.95	0.07	72,72,72,72	0
55	MG	2A	3623	1/1	0.95	0.31	66,66,66,66	0
55	MG	1a	3162	1/1	0.95	0.07	77,77,77,77	0
55	MG	1A	3543	1/1	0.95	0.17	63,63,63,63	0
55	MG	2A	3077	1/1	0.95	0.19	56,56,56,56	0
55	MG	1A	3389	1/1	0.96	0.17	48,48,48,48	0
55	MG	15	103	1/1	0.96	0.33	34,34,34,34	0
55	MG	2A	3744	1/1	0.96	0.21	64,64,64,64	0
55	MG	2A	3580	1/1	0.96	0.24	73,73,73,73	0
55	MG	1A	3340	1/1	0.96	0.12	22,22,22,22	0
55	MG	1A	3763	1/1	0.96	0.16	22,22,22,22	0
55	MG	2A	3807	1/1	0.96	0.38	48,48,48,48	0
55	MG	2A	3644	1/1	0.96	0.14	63,63,63,63	0
55	MG	1A	3249	1/1	0.96	0.14	21,21,21,21	0
55	MG	2A	3263	1/1	0.96	0.18	46,46,46,46	0
55	MG	2A	3284	1/1	0.96	0.10	37,37,37,37	0
55	MG	2a	1657	1/1	0.96	0.12	65,65,65,65	0
55	MG	2A	3367	1/1	0.96	0.15	37,37,37,37	0
55	MG	1X	8001	1/1	0.96	0.10	31,31,31,31	0
55	MG	2A	3490	1/1	0.96	0.22	33,33,33,33	0
55	MG	1a	3025	1/1	0.96	0.11	55,55,55,55	0
55	MG	1A	3818	1/1	0.96	0.06	24,24,24,24	0
55	MG	1A	3796	1/1	0.96	0.11	43,43,43,43	0
55	MG	1A	3504	1/1	0.96	0.19	19,19,19,19	0
55	MG	2a	1783	1/1	0.96	0.17	53,53,53,53	0
55	MG	1A	3399	1/1	0.96	0.20	15,15,15,15	0
55	MG	2A	3460	1/1	0.96	0.10	55,55,55,55	0
55	MG	1A	3305	1/1	0.96	0.15	16,16,16,16	0
55	MG	2A	3306	1/1	0.96	0.21	39,39,39,39	0
55	MG	1A	3047	1/1	0.96	0.15	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3173	1/1	0.96	0.56	42,42,42,42	0
55	MG	2A	3498	1/1	0.96	0.10	39,39,39,39	0
55	MG	1A	3583	1/1	0.96	0.23	37,37,37,37	0
55	MG	2A	3122	1/1	0.96	0.38	46,46,46,46	0
55	MG	2A	3467	1/1	0.96	0.08	57,57,57,57	0
55	MG	1h	3002	1/1	0.96	0.08	76,76,76,76	0
55	MG	2A	3293	1/1	0.96	0.12	40,40,40,40	0
55	MG	1A	3559	1/1	0.96	0.19	26,26,26,26	0
55	MG	2A	3791	1/1	0.96	0.09	45,45,45,45	0
55	MG	1A	3380	1/1	0.96	0.18	52,52,52,52	0
55	MG	1A	3203	1/1	0.96	0.30	35,35,35,35	0
55	MG	1A	3536	1/1	0.96	0.08	44,44,44,44	0
55	MG	2a	1675	1/1	0.96	0.09	51,51,51,51	0
55	MG	2A	3087	1/1	0.96	0.18	62,62,62,62	0
55	MG	2A	3400	1/1	0.96	0.12	43,43,43,43	0
55	MG	1A	3601	1/1	0.96	0.34	37,37,37,37	0
55	MG	1A	3357	1/1	0.96	0.18	20,20,20,20	0
55	MG	2A	3693	1/1	0.96	0.06	95,95,95,95	0
55	MG	1A	3251	1/1	0.96	0.54	34,34,34,34	0
55	MG	2A	3745	1/1	0.96	0.18	70,70,70,70	0
57	ZN	24	501	1/1	0.96	0.03	129,129,129,129	0
55	MG	2a	1663	1/1	0.96	0.29	63,63,63,63	0
55	MG	2A	3269	1/1	0.96	0.08	45,45,45,45	0
55	MG	2A	3083	1/1	0.96	0.31	57,57,57,57	0
55	MG	2a	1763	1/1	0.96	0.09	55,55,55,55	0
55	MG	1A	3705	1/1	0.96	0.27	48,48,48,48	0
55	MG	1A	3489	1/1	0.96	0.09	33,33,33,33	0
55	MG	1a	3085	1/1	0.96	0.27	64,64,64,64	0
55	MG	1A	3110	1/1	0.96	0.25	38,38,38,38	0
55	MG	1A	3191	1/1	0.96	0.18	66,66,66,66	0
55	MG	1A	3418	1/1	0.96	0.14	26,26,26,26	0
55	MG	2A	3680	1/1	0.96	0.10	66,66,66,66	0
55	MG	1A	3879	1/1	0.96	0.10	41,41,41,41	0
55	MG	2A	3333	1/1	0.96	0.13	42,42,42,42	0
55	MG	2A	3713	1/1	0.96	0.03	79,79,79,79	0
55	MG	18	3303	1/1	0.96	0.07	52,52,52,52	0
55	MG	2A	3567	1/1	0.96	0.43	51,51,51,51	0
55	MG	2A	3550	1/1	0.96	0.10	48,48,48,48	0
55	MG	1A	3850	1/1	0.96	0.08	21,21,21,21	0
55	MG	2A	3274	1/1	0.96	0.05	61,61,61,61	0
55	MG	2A	3682	1/1	0.96	0.18	67,67,67,67	0
55	MG	2A	3127	1/1	0.96	0.37	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3226	1/1	0.96	0.12	44,44,44,44	0
55	MG	1A	3103	1/1	0.96	0.55	35,35,35,35	0
55	MG	2A	3378	1/1	0.96	0.15	51,51,51,51	0
55	MG	2A	3419	1/1	0.96	0.08	33,33,33,33	0
55	MG	2A	3546	1/1	0.96	0.06	87,87,87,87	0
55	MG	2A	3243	1/1	0.96	0.07	72,72,72,72	0
55	MG	2A	3223	1/1	0.96	0.13	68,68,68,68	0
55	MG	1A	3355	1/1	0.96	0.13	53,53,53,53	0
55	MG	1A	3712	1/1	0.96	0.16	52,52,52,52	0
55	MG	2A	3264	1/1	0.96	0.11	65,65,65,65	0
55	MG	1a	3054	1/1	0.96	0.14	82,82,82,82	0
55	MG	2A	3364	1/1	0.96	0.07	60,60,60,60	0
55	MG	2A	3309	1/1	0.96	0.09	65,65,65,65	0
55	MG	2A	3234	1/1	0.96	0.19	45,45,45,45	0
55	MG	1A	3326	1/1	0.96	0.12	24,24,24,24	0
55	MG	1a	3098	1/1	0.96	0.18	61,61,61,61	0
55	MG	1A	3527	1/1	0.96	0.08	35,35,35,35	0
55	MG	1A	3584	1/1	0.96	0.07	37,37,37,37	0
55	MG	1E	301	1/1	0.96	0.12	15,15,15,15	0
55	MG	1A	3040	1/1	0.96	0.17	37,37,37,37	0
55	MG	1k	3001	1/1	0.96	0.16	48,48,48,48	0
55	MG	1B	3022	1/1	0.96	0.40	63,63,63,63	0
55	MG	2A	3097	1/1	0.96	0.16	35,35,35,35	0
55	MG	1a	3221	1/1	0.96	0.26	71,71,71,71	0
55	MG	2A	3760	1/1	0.96	0.08	40,40,40,40	0
55	MG	2A	3505	1/1	0.96	0.18	44,44,44,44	0
55	MG	2a	1769	1/1	0.96	0.27	76,76,76,76	0
55	MG	1A	3832	1/1	0.96	0.11	55,55,55,55	0
55	MG	1a	3122	1/1	0.96	0.32	71,71,71,71	0
55	MG	1A	3647	1/1	0.96	0.12	39,39,39,39	0
55	MG	2A	3012	1/1	0.96	0.17	38,38,38,38	0
55	MG	1A	3535	1/1	0.96	0.13	38,38,38,38	0
55	MG	1A	3345	1/1	0.96	0.17	45,45,45,45	0
55	MG	1A	3564	1/1	0.96	0.16	43,43,43,43	0
55	MG	2a	1702	1/1	0.96	0.06	67,67,67,67	0
55	MG	2a	1669	1/1	0.96	0.10	46,46,46,46	0
55	MG	2A	3495	1/1	0.96	0.09	59,59,59,59	0
55	MG	2A	3437	1/1	0.96	0.20	78,78,78,78	0
55	MG	2A	3116	1/1	0.96	0.13	43,43,43,43	0
55	MG	19	103	1/1	0.96	0.08	61,61,61,61	0
55	MG	2A	3695	1/1	0.96	0.10	97,97,97,97	0
55	MG	1P	202	1/1	0.96	0.39	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3271	1/1	0.96	0.10	22,22,22,22	0
55	MG	2A	3202	1/1	0.96	0.15	56,56,56,56	0
55	MG	2A	3283	1/1	0.96	0.09	37,37,37,37	0
55	MG	1A	3438	1/1	0.96	0.09	57,57,57,57	0
55	MG	1A	3482	1/1	0.96	0.20	43,43,43,43	0
55	MG	1A	3777	1/1	0.96	0.05	41,41,41,41	0
55	MG	1A	3153	1/1	0.96	0.19	49,49,49,49	0
55	MG	1A	3448	1/1	0.96	0.16	23,23,23,23	0
55	MG	1a	3101	1/1	0.96	0.14	39,39,39,39	0
55	MG	2a	1698	1/1	0.96	0.66	58,58,58,58	0
57	ZN	26	101	1/1	0.96	0.12	64,64,64,64	0
55	MG	1A	3629	1/1	0.96	0.22	42,42,42,42	0
55	MG	1A	3902	1/1	0.96	0.13	56,56,56,56	0
55	MG	1A	3263	1/1	0.96	0.18	17,17,17,17	0
55	MG	1a	3068	1/1	0.96	0.29	73,73,73,73	0
55	MG	1A	3657	1/1	0.96	0.06	50,50,50,50	0
55	MG	2A	3370	1/1	0.96	0.11	76,76,76,76	0
55	MG	1A	3486	1/1	0.96	0.14	63,63,63,63	0
55	MG	1A	3382	1/1	0.96	0.16	52,52,52,52	0
55	MG	2a	1709	1/1	0.96	0.15	82,82,82,82	0
55	MG	1B	3010	1/1	0.96	0.04	59,59,59,59	0
55	MG	1A	3537	1/1	0.96	0.28	38,38,38,38	0
55	MG	2E	301	1/1	0.96	0.27	43,43,43,43	0
55	MG	1a	3072	1/1	0.96	0.06	65,65,65,65	0
55	MG	1A	3692	1/1	0.96	0.08	43,43,43,43	0
55	MG	1A	3846	1/1	0.96	0.12	53,53,53,53	0
55	MG	1A	3461	1/1	0.96	0.09	63,63,63,63	0
55	MG	1A	3518	1/1	0.96	0.12	77,77,77,77	0
55	MG	1A	3125	1/1	0.96	0.17	45,45,45,45	0
55	MG	1A	3639	1/1	0.96	0.11	47,47,47,47	0
55	MG	1A	3419	1/1	0.96	0.14	37,37,37,37	0
55	MG	1A	3028	1/1	0.96	0.53	37,37,37,37	0
55	MG	1A	3557	1/1	0.96	0.10	24,24,24,24	0
55	MG	1A	3388	1/1	0.96	0.20	48,48,48,48	0
55	MG	1A	3061	1/1	0.96	0.28	47,47,47,47	0
55	MG	1A	3826	1/1	0.96	0.12	59,59,59,59	0
55	MG	1A	3594	1/1	0.96	0.16	24,24,24,24	0
55	MG	1A	3332	1/1	0.96	0.14	28,28,28,28	0
55	MG	1A	3541	1/1	0.96	0.61	34,34,34,34	0
55	MG	1A	3522	1/1	0.96	0.13	26,26,26,26	0
55	MG	1A	3234	1/1	0.96	0.12	48,48,48,48	0
55	MG	1A	3652	1/1	0.96	0.11	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3413	1/1	0.96	0.09	43,43,43,43	0
55	MG	1A	3483	1/1	0.96	0.19	38,38,38,38	0
55	MG	2A	3351	1/1	0.96	0.11	68,68,68,68	0
55	MG	2A	3016	1/1	0.96	0.75	46,46,46,46	0
55	MG	1A	3828	1/1	0.96	0.17	61,61,61,61	0
55	MG	1A	3810	1/1	0.96	0.11	27,27,27,27	0
55	MG	2A	3562	1/1	0.96	0.16	74,74,74,74	0
55	MG	1A	3736	1/1	0.96	0.18	55,55,55,55	0
55	MG	2A	3603	1/1	0.96	0.11	61,61,61,61	0
55	MG	1a	3045	1/1	0.96	0.26	57,57,57,57	0
55	MG	1A	3755	1/1	0.96	0.07	69,69,69,69	0
55	MG	2a	1691	1/1	0.96	0.15	56,56,56,56	0
55	MG	2A	3235	1/1	0.96	0.08	69,69,69,69	0
55	MG	2A	3581	1/1	0.96	0.08	72,72,72,72	0
55	MG	2E	306	1/1	0.96	0.14	49,49,49,49	0
55	MG	2a	1782	1/1	0.96	0.21	70,70,70,70	0
55	MG	1T	201	1/1	0.96	0.19	54,54,54,54	0
55	MG	1A	3013	1/1	0.96	0.07	51,51,51,51	0
55	MG	1a	3013	1/1	0.96	0.05	72,72,72,72	0
55	MG	2A	3723	1/1	0.96	0.05	73,73,73,73	0
55	MG	1A	3362	1/1	0.96	0.15	20,20,20,20	0
55	MG	2A	3787	1/1	0.96	0.13	61,61,61,61	0
55	MG	1A	3108	1/1	0.96	0.20	24,24,24,24	0
55	MG	2A	3254	1/1	0.96	0.27	54,54,54,54	0
55	MG	1A	3275	1/1	0.96	0.16	27,27,27,27	0
55	MG	1A	3372	1/1	0.96	0.18	29,29,29,29	0
55	MG	2A	3700	1/1	0.96	0.16	87,87,87,87	0
55	MG	2a	1628	1/1	0.96	0.15	54,54,54,54	0
55	MG	1A	3112	1/1	0.96	0.18	42,42,42,42	0
55	MG	1A	3906	1/1	0.96	0.10	59,59,59,59	0
55	MG	1A	3390	1/1	0.96	0.14	23,23,23,23	0
55	MG	2Q	8005	1/1	0.97	0.09	62,62,62,62	0
55	MG	2A	3433	1/1	0.97	0.11	66,66,66,66	0
55	MG	2a	1671	1/1	0.97	0.08	80,80,80,80	0
55	MG	1A	3655	1/1	0.97	0.32	41,41,41,41	0
55	MG	1A	3558	1/1	0.97	0.12	27,27,27,27	0
55	MG	2A	3667	1/1	0.97	0.12	57,57,57,57	0
55	MG	2A	3576	1/1	0.97	0.41	52,52,52,52	0
55	MG	1A	3496	1/1	0.97	0.07	51,51,51,51	0
55	MG	1A	3493	1/1	0.97	0.12	30,30,30,30	0
55	MG	2a	1655	1/1	0.97	0.06	84,84,84,84	0
55	MG	1A	3096	1/1	0.97	0.54	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3415	1/1	0.97	0.07	20,20,20,20	0
55	MG	1A	3250	1/1	0.97	0.17	11,11,11,11	0
55	MG	2A	3014	1/1	0.97	0.26	66,66,66,66	0
55	MG	1A	3793	1/1	0.97	0.06	52,52,52,52	0
55	MG	1A	3627	1/1	0.97	0.49	44,44,44,44	0
55	MG	2A	3029	1/1	0.97	0.25	61,61,61,61	0
55	MG	1A	3422	1/1	0.97	0.10	30,30,30,30	0
55	MG	2A	3669	1/1	0.97	0.13	40,40,40,40	0
55	MG	1A	3723	1/1	0.97	0.10	47,47,47,47	0
55	MG	1A	3699	1/1	0.97	0.08	38,38,38,38	0
55	MG	1a	3086	1/1	0.97	0.34	68,68,68,68	0
55	MG	2A	3698	1/1	0.97	0.14	42,42,42,42	0
55	MG	1R	202	1/1	0.97	0.18	46,46,46,46	0
55	MG	2A	3326	1/1	0.97	0.10	35,35,35,35	0
55	MG	2A	3739	1/1	0.97	0.07	69,69,69,69	0
55	MG	1A	3546	1/1	0.97	0.33	25,25,25,25	0
55	MG	1A	3685	1/1	0.97	0.13	52,52,52,52	0
57	ZN	14	501	1/1	0.97	0.04	109,109,109,109	0
55	MG	1A	3774	1/1	0.97	0.25	45,45,45,45	0
55	MG	1a	3088	1/1	0.97	0.37	63,63,63,63	0
55	MG	1A	3770	1/1	0.97	0.14	34,34,34,34	0
55	MG	1A	3232	1/1	0.97	0.99	35,35,35,35	0
55	MG	1V	202	1/1	0.97	0.25	25,25,25,25	0
55	MG	1A	3423	1/1	0.97	0.13	20,20,20,20	0
55	MG	1A	3091	1/1	0.97	0.29	16,16,16,16	0
55	MG	1A	3330	1/1	0.97	0.11	37,37,37,37	0
55	MG	1A	3632	1/1	0.97	0.11	49,49,49,49	0
55	MG	2A	3376	1/1	0.97	0.11	31,31,31,31	0
55	MG	1A	3851	1/1	0.97	0.07	21,21,21,21	0
55	MG	2A	3572	1/1	0.97	0.13	55,55,55,55	0
55	MG	2a	1755	1/1	0.97	0.73	81,81,81,81	0
55	MG	1B	3004	1/1	0.97	0.11	44,44,44,44	0
55	MG	1A	3864	1/1	0.97	0.10	49,49,49,49	0
55	MG	2A	3663	1/1	0.97	0.08	50,50,50,50	0
55	MG	2A	3247	1/1	0.97	0.17	35,35,35,35	0
55	MG	2A	3137	1/1	0.97	0.84	60,60,60,60	0
55	MG	1A	3773	1/1	0.97	0.17	44,44,44,44	0
55	MG	2A	3336	1/1	0.97	0.22	56,56,56,56	0
55	MG	2A	3249	1/1	0.97	0.25	43,43,43,43	0
55	MG	1D	301	1/1	0.97	0.22	32,32,32,32	0
55	MG	1A	3754	1/1	0.97	0.05	39,39,39,39	0
55	MG	1A	3333	1/1	0.97	0.18	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3033	1/1	0.97	0.09	59,59,59,59	0
55	MG	2a	1638	1/1	0.97	0.16	73,73,73,73	0
55	MG	2A	3648	1/1	0.97	0.06	34,34,34,34	0
55	MG	1A	3508	1/1	0.97	0.13	51,51,51,51	0
55	MG	1A	3626	1/1	0.97	0.13	44,44,44,44	0
55	MG	1A	3176	1/1	0.97	0.27	52,52,52,52	0
55	MG	2A	3296	1/1	0.97	0.15	42,42,42,42	0
55	MG	2A	3710	1/1	0.97	0.10	60,60,60,60	0
55	MG	2A	3231	1/1	0.97	0.19	48,48,48,48	0
55	MG	2E	305	1/1	0.97	0.12	34,34,34,34	0
55	MG	1A	3683	1/1	0.97	0.30	51,51,51,51	0
55	MG	2A	3488	1/1	0.97	0.13	58,58,58,58	0
55	MG	1A	3379	1/1	0.97	0.15	43,43,43,43	0
55	MG	2A	3209	1/1	0.97	0.09	81,81,81,81	0
55	MG	1A	3872	1/1	0.97	0.08	29,29,29,29	0
55	MG	2a	1661	1/1	0.97	0.26	63,63,63,63	0
55	MG	1Y	502	1/1	0.97	0.10	74,74,74,74	0
55	MG	1A	3565	1/1	0.97	0.14	20,20,20,20	0
55	MG	1Q	202	1/1	0.97	0.07	39,39,39,39	0
55	MG	2A	3453	1/1	0.97	0.18	81,81,81,81	0
55	MG	1a	3164	1/1	0.97	0.14	61,61,61,61	0
55	MG	1a	3147	1/1	0.97	0.13	85,85,85,85	0
55	MG	1a	3126	1/1	0.97	0.15	74,74,74,74	0
55	MG	1A	3085	1/1	0.97	0.35	34,34,34,34	0
55	MG	2a	1612	1/1	0.97	0.12	51,51,51,51	0
55	MG	2A	3620	1/1	0.97	0.10	45,45,45,45	0
55	MG	2A	3714	1/1	0.97	0.10	49,49,49,49	0
55	MG	1A	3015	1/1	0.97	0.42	23,23,23,23	0
55	MG	2A	3730	1/1	0.97	0.12	56,56,56,56	0
55	MG	1A	3434	1/1	0.97	0.21	16,16,16,16	0
55	MG	2A	3292	1/1	0.97	0.28	77,77,77,77	0
55	MG	1A	3299	1/1	0.97	0.18	28,28,28,28	0
55	MG	1A	3354	1/1	0.97	0.09	36,36,36,36	0
55	MG	2A	3349	1/1	0.97	0.06	77,77,77,77	0
55	MG	1A	3322	1/1	0.97	0.24	48,48,48,48	0
55	MG	2A	3205	1/1	0.97	0.68	52,52,52,52	0
55	MG	2A	3312	1/1	0.97	0.16	53,53,53,53	0
55	MG	1A	3603	1/1	0.97	0.08	49,49,49,49	0
55	MG	2V	204	1/1	0.97	0.39	77,77,77,77	0
55	MG	2a	1746	1/1	0.97	0.06	69,69,69,69	0
55	MG	2A	3711	1/1	0.97	0.08	70,70,70,70	0
55	MG	1A	3391	1/1	0.97	0.16	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	3014	1/1	0.97	0.32	81,81,81,81	0
55	MG	2A	3275	1/1	0.97	0.10	47,47,47,47	0
55	MG	1E	307	1/1	0.97	0.19	33,33,33,33	0
55	MG	2A	3407	1/1	0.97	0.32	74,74,74,74	0
55	MG	1a	3015	1/1	0.97	0.21	74,74,74,74	0
55	MG	2A	3591	1/1	0.97	0.19	53,53,53,53	0
55	MG	1A	3342	1/1	0.97	0.09	21,21,21,21	0
55	MG	2A	3662	1/1	0.97	0.07	68,68,68,68	0
55	MG	2A	3699	1/1	0.97	0.12	38,38,38,38	0
55	MG	1A	3844	1/1	0.97	0.07	27,27,27,27	0
55	MG	2B	3001	1/1	0.97	0.12	64,64,64,64	0
55	MG	1A	3081	1/1	0.97	0.51	33,33,33,33	0
55	MG	2A	3781	1/1	0.97	0.07	51,51,51,51	0
55	MG	1A	3343	1/1	0.97	0.09	26,26,26,26	0
55	MG	2a	1667	1/1	0.97	0.11	64,64,64,64	0
55	MG	1A	3366	1/1	0.97	0.12	26,26,26,26	0
55	MG	2E	302	1/1	0.97	0.06	35,35,35,35	0
55	MG	1A	3170	1/1	0.97	0.54	34,34,34,34	0
55	MG	1a	3174	1/1	0.97	0.11	70,70,70,70	0
55	MG	2A	3267	1/1	0.97	0.26	61,61,61,61	0
55	MG	1a	3083	1/1	0.97	0.26	67,67,67,67	0
55	MG	1A	3795	1/1	0.97	0.35	46,46,46,46	0
55	MG	2Q	8001	1/1	0.97	0.03	79,79,79,79	0
55	MG	2A	3514	1/1	0.97	0.48	53,53,53,53	0
55	MG	2A	3373	1/1	0.97	0.11	48,48,48,48	0
55	MG	2A	3043	1/1	0.97	0.12	72,72,72,72	0
55	MG	1A	3185	1/1	0.97	0.66	32,32,32,32	0
55	MG	1A	3417	1/1	0.97	0.10	22,22,22,22	0
55	MG	2a	1687	1/1	0.97	0.23	55,55,55,55	0
55	MG	2A	3085	1/1	0.97	0.26	62,62,62,62	0
55	MG	1A	3109	1/1	0.97	0.12	30,30,30,30	0
55	MG	1A	3086	1/1	0.97	0.06	50,50,50,50	0
55	MG	2A	3491	1/1	0.97	0.11	51,51,51,51	0
55	MG	1A	3421	1/1	0.97	0.12	28,28,28,28	0
55	MG	2A	3119	1/1	0.97	0.54	49,49,49,49	0
55	MG	1A	3816	1/1	0.97	0.11	19,19,19,19	0
55	MG	1a	3206	1/1	0.97	0.04	68,68,68,68	0
55	MG	1G	3003	1/1	0.97	0.08	47,47,47,47	0
55	MG	1a	3033	1/1	0.97	0.10	50,50,50,50	0
55	MG	1a	3093	1/1	0.97	0.06	73,73,73,73	0
55	MG	1A	3286	1/1	0.97	0.11	64,64,64,64	0
55	MG	1a	3121	1/1	0.97	0.51	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3529	1/1	0.97	0.15	58,58,58,58	0
55	MG	2A	3219	1/1	0.97	0.37	22,22,22,22	0
55	MG	1A	3665	1/1	0.97	0.26	51,51,51,51	0
55	MG	2A	3501	1/1	0.97	0.11	76,76,76,76	0
55	MG	1A	3874	1/1	0.97	0.17	59,59,59,59	0
55	MG	1E	308	1/1	0.97	0.15	49,49,49,49	0
55	MG	2A	3354	1/1	0.97	0.17	26,26,26,26	0
55	MG	1a	3205	1/1	0.97	0.07	77,77,77,77	0
55	MG	2a	1693	1/1	0.97	0.21	54,54,54,54	0
55	MG	2a	1743	1/1	0.97	0.04	55,55,55,55	0
55	MG	1A	3717	1/1	0.97	0.10	35,35,35,35	0
55	MG	1A	3613	1/1	0.97	0.04	82,82,82,82	0
55	MG	1a	3198	1/1	0.97	0.05	47,47,47,47	0
55	MG	2A	3473	1/1	0.97	0.09	61,61,61,61	0
55	MG	1A	3356	1/1	0.97	0.15	25,25,25,25	0
55	MG	1a	3002	1/1	0.97	0.15	82,82,82,82	0
55	MG	2a	1714	1/1	0.97	0.14	71,71,71,71	0
55	MG	1A	3416	1/1	0.97	0.14	26,26,26,26	0
55	MG	2A	3266	1/1	0.97	0.15	65,65,65,65	0
55	MG	2A	3411	1/1	0.97	0.11	63,63,63,63	0
55	MG	1A	3776	1/1	0.97	0.10	43,43,43,43	0
55	MG	2A	3551	1/1	0.97	0.06	71,71,71,71	0
55	MG	2A	3052	1/1	0.97	0.42	42,42,42,42	0
55	MG	1A	3843	1/1	0.97	0.21	49,49,49,49	0
55	MG	2A	3778	1/1	0.97	0.22	50,50,50,50	0
55	MG	1A	3915	1/1	0.97	0.20	60,60,60,60	0
55	MG	2A	3315	1/1	0.97	0.16	67,67,67,67	0
55	MG	2a	1680	1/1	0.97	0.09	55,55,55,55	0
55	MG	1A	3410	1/1	0.97	0.20	42,42,42,42	0
55	MG	2A	3735	1/1	0.97	0.18	49,49,49,49	0
55	MG	1A	3024	1/1	0.97	0.36	30,30,30,30	0
55	MG	1a	3100	1/1	0.97	0.31	60,60,60,60	0
55	MG	2A	3199	1/1	0.97	0.27	65,65,65,65	0
55	MG	2A	3156	1/1	0.97	0.52	39,39,39,39	0
57	ZN	2Y	501	1/1	0.97	0.06	95,95,95,95	0
55	MG	1A	3369	1/1	0.97	0.07	14,14,14,14	0
55	MG	1A	3307	1/1	0.97	0.06	63,63,63,63	0
55	MG	1A	3867	1/1	0.97	0.67	37,37,37,37	0
55	MG	2A	3170	1/1	0.97	0.23	73,73,73,73	0
55	MG	1A	3409	1/1	0.97	0.08	49,49,49,49	0
55	MG	2A	3070	1/1	0.97	0.18	35,35,35,35	0
55	MG	2a	1762	1/1	0.97	0.10	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1V	203	1/1	0.97	0.12	60,60,60,60	0
55	MG	1a	3081	1/1	0.97	0.23	69,69,69,69	0
55	MG	2a	1765	1/1	0.97	0.10	71,71,71,71	0
55	MG	1A	3500	1/1	0.97	0.37	65,65,65,65	0
55	MG	2A	3189	1/1	0.97	0.16	43,43,43,43	0
55	MG	2A	3280	1/1	0.97	0.07	51,51,51,51	0
55	MG	1A	3351	1/1	0.97	0.30	54,54,54,54	0
55	MG	1A	3412	1/1	0.97	0.16	12,12,12,12	0
55	MG	1A	3830	1/1	0.97	0.04	47,47,47,47	0
55	MG	2A	3308	1/1	0.97	0.23	52,52,52,52	0
55	MG	1A	3229	1/1	0.97	0.23	62,62,62,62	0
55	MG	2A	3503	1/1	0.97	0.23	53,53,53,53	0
55	MG	1A	3576	1/1	0.97	0.51	47,47,47,47	0
55	MG	1a	3080	1/1	0.97	0.12	69,69,69,69	0
55	MG	2a	1780	1/1	0.97	0.06	68,68,68,68	0
55	MG	1A	3439	1/1	0.98	0.07	54,54,54,54	0
55	MG	1A	3003	1/1	0.98	0.09	20,20,20,20	0
55	MG	1A	3360	1/1	0.98	0.12	21,21,21,21	0
55	MG	1A	3562	1/1	0.98	0.23	20,20,20,20	0
55	MG	1A	3280	1/1	0.98	0.09	29,29,29,29	0
55	MG	1B	3001	1/1	0.98	0.23	55,55,55,55	0
55	MG	1A	3325	1/1	0.98	0.06	28,28,28,28	0
55	MG	1A	3337	1/1	0.98	0.10	39,39,39,39	0
55	MG	2a	1794	1/1	0.98	0.07	70,70,70,70	0
55	MG	2A	3671	1/1	0.98	0.25	73,73,73,73	0
55	MG	1A	3043	1/1	0.98	0.30	10,10,10,10	0
55	MG	1A	3397	1/1	0.98	0.03	64,64,64,64	0
55	MG	1A	3585	1/1	0.98	0.25	59,59,59,59	0
55	MG	1A	3365	1/1	0.98	0.11	40,40,40,40	0
55	MG	1A	3273	1/1	0.98	0.25	19,19,19,19	0
55	MG	2a	1740	1/1	0.98	0.05	70,70,70,70	0
55	MG	1a	3110	1/1	0.98	0.08	52,52,52,52	0
55	MG	1A	3752	1/1	0.98	0.07	22,22,22,22	0
55	MG	1A	3274	1/1	0.98	0.18	27,27,27,27	0
55	MG	2A	3216	1/1	0.98	0.24	41,41,41,41	0
55	MG	2A	3220	1/1	0.98	0.10	66,66,66,66	0
55	MG	1a	3089	1/1	0.98	0.06	52,52,52,52	0
55	MG	1G	3001	1/1	0.98	0.10	67,67,67,67	0
55	MG	2A	3206	1/1	0.98	0.10	39,39,39,39	0
55	MG	2a	1678	1/1	0.98	0.47	65,65,65,65	0
55	MG	1A	3240	1/1	0.98	0.18	58,58,58,58	0
55	MG	2I	102	1/1	0.98	0.07	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3153	1/1	0.98	0.10	52,52,52,52	0
55	MG	1A	3296	1/1	0.98	0.15	20,20,20,20	0
55	MG	1A	3290	1/1	0.98	0.04	49,49,49,49	0
55	MG	1A	3697	1/1	0.98	0.13	19,19,19,19	0
55	MG	1B	3011	1/1	0.98	0.15	48,48,48,48	0
55	MG	1B	3014	1/1	0.98	0.07	41,41,41,41	0
55	MG	1A	3619	1/1	0.98	0.16	44,44,44,44	0
55	MG	1A	3328	1/1	0.98	0.12	22,22,22,22	0
55	MG	1a	3142	1/1	0.98	0.09	85,85,85,85	0
55	MG	1a	3214	1/1	0.98	0.04	71,71,71,71	0
55	MG	1A	3797	1/1	0.98	0.06	28,28,28,28	0
55	MG	2A	3355	1/1	0.98	0.03	76,76,76,76	0
55	MG	2A	3613	1/1	0.98	0.08	55,55,55,55	0
55	MG	2A	3023	1/1	0.98	0.32	47,47,47,47	0
55	MG	2A	3492	1/1	0.98	0.08	52,52,52,52	0
55	MG	1A	3739	1/1	0.98	0.17	22,22,22,22	0
55	MG	1A	3364	1/1	0.98	0.25	36,36,36,36	0
55	MG	1A	3107	1/1	0.98	0.47	36,36,36,36	0
55	MG	1A	3300	1/1	0.98	0.07	44,44,44,44	0
57	ZN	29	501	1/1	0.98	0.10	75,75,75,75	0
55	MG	2A	3238	1/1	0.98	0.10	38,38,38,38	0
55	MG	1A	3405	1/1	0.98	0.09	42,42,42,42	0
55	MG	2a	1771	1/1	0.98	0.07	55,55,55,55	0
55	MG	2A	3516	1/1	0.98	0.09	45,45,45,45	0
55	MG	1a	3051	1/1	0.98	0.42	57,57,57,57	0
55	MG	2A	3239	1/1	0.98	0.10	38,38,38,38	0
55	MG	20	105	1/1	0.98	0.12	81,81,81,81	0
55	MG	2A	3734	1/1	0.98	0.04	67,67,67,67	0
55	MG	2A	3645	1/1	0.98	0.08	62,62,62,62	0
55	MG	2A	3578	1/1	0.98	0.06	61,61,61,61	0
55	MG	1A	3791	1/1	0.98	0.06	33,33,33,33	0
55	MG	1A	3661	1/1	0.98	0.08	33,33,33,33	0
55	MG	1A	3492	1/1	0.98	0.16	50,50,50,50	0
55	MG	1A	3667	1/1	0.98	0.19	46,46,46,46	0
55	MG	1A	3284	1/1	0.98	0.12	43,43,43,43	0
55	MG	1A	3606	1/1	0.98	0.17	56,56,56,56	0
55	MG	1A	3798	1/1	0.98	0.09	48,48,48,48	0
55	MG	2A	3251	1/1	0.98	0.04	79,79,79,79	0
55	MG	1A	3437	1/1	0.98	0.07	34,34,34,34	0
55	MG	1A	3288	1/1	0.98	0.14	26,26,26,26	0
55	MG	1A	3814	1/1	0.98	0.10	18,18,18,18	0
55	MG	2A	3405	1/1	0.98	0.08	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3374	1/1	0.98	0.09	62,62,62,62	0
55	MG	1A	3617	1/1	0.98	0.05	38,38,38,38	0
55	MG	2A	3084	1/1	0.98	0.27	45,45,45,45	0
55	MG	2A	3552	1/1	0.98	0.32	52,52,52,52	0
55	MG	1A	3744	1/1	0.98	0.06	55,55,55,55	0
55	MG	2a	1695	1/1	0.98	0.26	58,58,58,58	0
55	MG	2A	3390	1/1	0.98	0.14	49,49,49,49	0
55	MG	1A	3587	1/1	0.98	0.06	50,50,50,50	0
55	MG	2A	3316	1/1	0.98	0.17	43,43,43,43	0
55	MG	1A	3466	1/1	0.98	0.08	46,46,46,46	0
55	MG	2A	3817	1/1	0.98	0.12	65,65,65,65	0
55	MG	2A	3452	1/1	0.98	0.07	51,51,51,51	0
55	MG	1a	3219	1/1	0.98	0.16	63,63,63,63	0
55	MG	2a	1700	1/1	0.98	0.13	76,76,76,76	0
55	MG	1A	3542	1/1	0.98	0.11	77,77,77,77	0
55	MG	1A	3059	1/1	0.98	0.19	35,35,35,35	0
55	MG	1a	3171	1/1	0.98	0.10	50,50,50,50	0
55	MG	1A	3441	1/1	0.98	0.14	40,40,40,40	0
55	MG	2a	1604	1/1	0.98	0.15	53,53,53,53	0
55	MG	1A	3142	1/1	0.98	0.92	32,32,32,32	0
55	MG	1A	3304	1/1	0.98	0.08	45,45,45,45	0
55	MG	1A	3909	1/1	0.98	0.16	32,32,32,32	0
55	MG	1A	3544	1/1	0.98	0.30	34,34,34,34	0
55	MG	1A	3329	1/1	0.98	0.11	40,40,40,40	0
55	MG	1A	3779	1/1	0.98	0.10	24,24,24,24	0
55	MG	2A	3289	1/1	0.98	0.13	46,46,46,46	0
55	MG	1A	3785	1/1	0.98	0.09	25,25,25,25	0
55	MG	2A	3384	1/1	0.98	0.09	68,68,68,68	0
55	MG	2a	1775	1/1	0.98	0.08	63,63,63,63	0
55	MG	1A	3223	1/1	0.98	0.08	42,42,42,42	0
55	MG	1U	205	1/1	0.98	0.36	29,29,29,29	0
55	MG	1a	3125	1/1	0.98	0.30	74,74,74,74	0
55	MG	2A	3388	1/1	0.98	0.14	60,60,60,60	0
55	MG	2A	3300	1/1	0.98	0.12	36,36,36,36	0
55	MG	2A	3368	1/1	0.98	0.05	42,42,42,42	0
55	MG	2A	3767	1/1	0.98	0.06	65,65,65,65	0
55	MG	1A	3888	1/1	0.98	0.11	47,47,47,47	0
55	MG	2A	3325	1/1	0.98	0.07	51,51,51,51	0
55	MG	2A	3679	1/1	0.98	0.08	52,52,52,52	0
55	MG	1A	3225	1/1	0.98	0.10	34,34,34,34	0
55	MG	1A	3319	1/1	0.98	0.20	34,34,34,34	0
55	MG	1A	3430	1/1	0.98	0.12	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3614	1/1	0.98	0.15	70,70,70,70	0
55	MG	1A	3252	1/1	0.98	0.50	36,36,36,36	0
55	MG	1A	3799	1/1	0.98	0.11	49,49,49,49	0
55	MG	2A	3160	1/1	0.98	0.39	46,46,46,46	0
55	MG	1A	3740	1/1	0.98	0.04	26,26,26,26	0
55	MG	1A	3468	1/1	0.98	0.06	49,49,49,49	0
55	MG	1A	3811	1/1	0.98	0.05	56,56,56,56	0
55	MG	1A	3673	1/1	0.98	0.13	35,35,35,35	0
55	MG	1A	3353	1/1	0.98	0.12	67,67,67,67	0
55	MG	1A	3571	1/1	0.98	0.31	54,54,54,54	0
55	MG	2A	3701	1/1	0.98	0.06	60,60,60,60	0
55	MG	1A	3141	1/1	0.98	0.31	37,37,37,37	0
55	MG	1A	3782	1/1	0.98	0.06	33,33,33,33	0
55	MG	1A	3502	1/1	0.98	0.11	62,62,62,62	0
55	MG	2a	1685	1/1	0.99	0.15	56,56,56,56	0
55	MG	2A	3323	1/1	0.99	0.22	66,66,66,66	0
55	MG	1A	3897	1/1	0.99	0.20	11,11,11,11	0
55	MG	2A	3003	1/1	0.99	0.11	31,31,31,31	0
55	MG	2A	3124	1/1	0.99	0.23	47,47,47,47	0
55	MG	1a	3099	1/1	0.99	0.14	61,61,61,61	0
55	MG	1A	3426	1/1	0.99	0.06	18,18,18,18	0
55	MG	1A	3197	1/1	0.99	0.13	25,25,25,25	0
55	MG	1A	3732	1/1	0.99	0.09	21,21,21,21	0
55	MG	1A	3306	1/1	0.99	0.12	14,14,14,14	0
55	MG	2A	3067	1/1	0.99	0.09	62,62,62,62	0
55	MG	1a	3091	1/1	0.99	0.08	37,37,37,37	0
55	MG	2a	1665	1/1	0.99	0.09	74,74,74,74	0
55	MG	1a	3111	1/1	0.99	0.14	56,56,56,56	0
55	MG	1A	3224	1/1	0.99	0.07	73,73,73,73	0
57	ZN	16	101	1/1	0.99	0.12	44,44,44,44	0
55	MG	1A	3460	1/1	0.99	0.13	20,20,20,20	0
55	MG	2T	201	1/1	0.99	0.12	47,47,47,47	0
55	MG	2d	502	1/1	0.99	0.13	74,74,74,74	0
55	MG	1A	3152	1/1	0.99	0.08	53,53,53,53	0
55	MG	1A	3749	1/1	0.99	0.06	36,36,36,36	0
58	SF4	1d	501	8/8	0.99	0.14	65,70,75,78	0
55	MG	2A	3709	1/1	0.99	0.09	45,45,45,45	0
55	MG	1A	3540	1/1	0.99	0.17	19,19,19,19	0
55	MG	2a	1627	1/1	0.99	0.26	84,84,84,84	0
55	MG	2A	3801	1/1	0.99	0.26	21,21,21,21	0
55	MG	1A	3295	1/1	0.99	0.13	13,13,13,13	0
55	MG	1A	3334	1/1	0.99	0.14	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3372	1/1	0.99	0.13	38,38,38,38	0
55	MG	1A	3065	1/1	0.99	0.19	32,32,32,32	0
55	MG	2A	3288	1/1	0.99	0.07	30,30,30,30	0
55	MG	2A	3079	1/1	0.99	0.28	50,50,50,50	0
55	MG	1a	3190	1/1	0.99	0.04	79,79,79,79	0
55	MG	1A	3447	1/1	0.99	0.15	17,17,17,17	0
55	MG	2A	3466	1/1	0.99	0.10	37,37,37,37	0
58	SF4	2d	501	8/8	0.99	0.12	65,69,77,88	0
55	MG	2A	3518	1/1	0.99	0.14	71,71,71,71	0
55	MG	2A	3358	1/1	0.99	0.16	45,45,45,45	0
55	MG	1A	3453	1/1	0.99	0.13	19,19,19,19	0
55	MG	2a	1624	1/1	0.99	0.20	53,53,53,53	0
57	ZN	25	104	1/1	0.99	0.11	54,54,54,54	0
55	MG	1a	3202	1/1	0.99	0.07	47,47,47,47	0
55	MG	1A	3429	1/1	0.99	0.10	26,26,26,26	0
55	MG	1a	3037	1/1	0.99	0.18	68,68,68,68	0
55	MG	1A	3769	1/1	0.99	0.07	61,61,61,61	0
55	MG	2A	3402	1/1	0.99	0.11	37,37,37,37	0
57	ZN	15	106	1/1	0.99	0.16	47,47,47,47	0
55	MG	2A	3314	1/1	0.99	0.14	60,60,60,60	0
55	MG	2A	3683	1/1	0.99	0.06	60,60,60,60	0
55	MG	11	102	1/1	0.99	0.05	56,56,56,56	0
57	ZN	1Y	501	1/1	0.99	0.13	61,61,61,61	0
57	ZN	19	102	1/1	1.00	0.12	43,43,43,43	0

6.5 Other polymers [i](#)

There are no such residues in this entry.