



# wwPDB X-ray Structure Validation Summary Report ⓘ

Sep 6, 2017 – 11:05 PM EDT

PDB ID : 5VP2  
Title : Crystal structure of the *Thermus thermophilus* 70S ribosome in complex with madumycin II and bound to mRNA and A-, P- and E-site tRNAs at 2.8Å resolution  
Authors : Osterman, I.A.; Khabibullina, N.F.; Komarova, E.S.; Kasatsky, P.; Kartsev, V.G.; Bogdanov, A.A.; Dontsova, O.A.; Konevega, A.L.; Sergiev, P.V.; Polikanov, Y.S.  
Deposited on : unknown  
Resolution : 2.80 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](mailto:validation@mail.wwpdb.org)

A user guide is available at

<http://wwpdb.org/validation/2016/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467  
Mogul : 1.7.2 (RC1), CSD as538be (2017)  
Xtriage (Phenix) : 1.9-1692  
EDS : rb-20029824  
Percentile statistics : 20161228.v01 (using entries in the PDB archive December 28th 2016)  
Refmac : 5.8.0135  
CCP4 : 6.5.0  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : rb-20029824

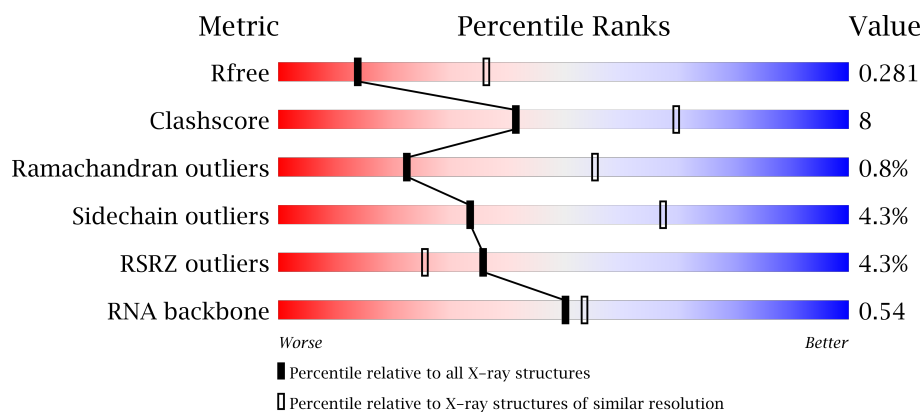
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*





The reported resolution of this entry is 2.80 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))
$R_{free}$	100719	2583 (2.80-2.80)
Clashscore	112137	3033 (2.80-2.80)
Ramachandran outliers	110173	2983 (2.80-2.80)
Sidechain outliers	110143	2985 (2.80-2.80)
RSRZ outliers	101464	2610 (2.80-2.80)
RNA backbone	2435	1007 (3.10-2.50)

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  $\geq 3$ , 2, 1 and 0 types of geometric quality criteria. 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	
1	2A	2915	
2	1B	121	
2	2B	121	



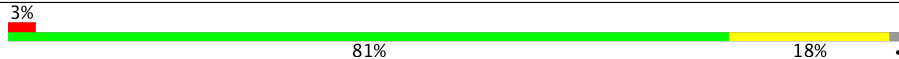
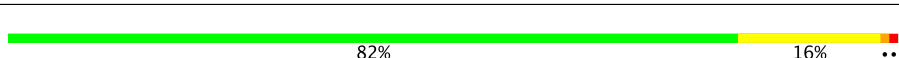
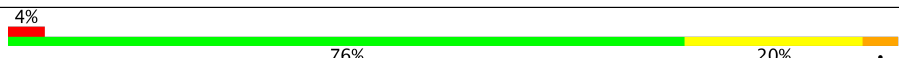
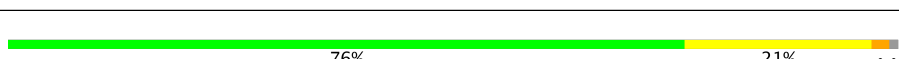
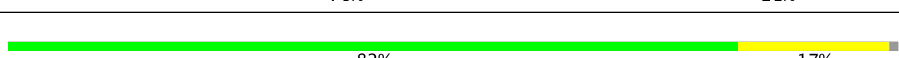
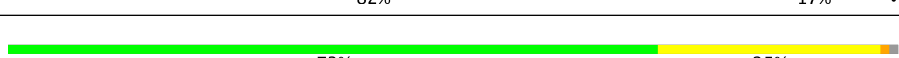
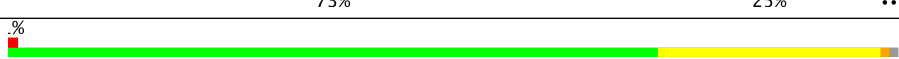

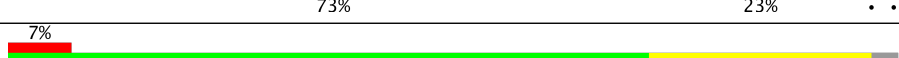







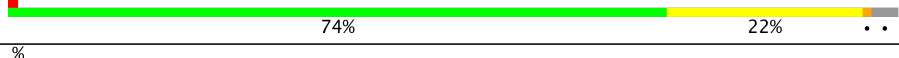
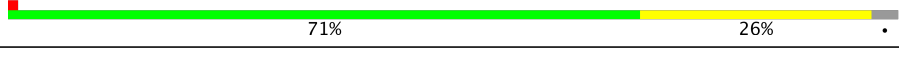

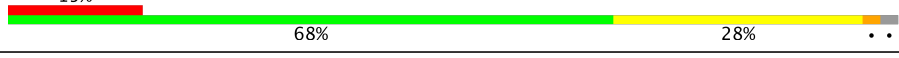



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Mol	Chain	Length	Quality of chain
3	1D	276	 81% 16% .
3	2D	276	 84% 14% .
4	1E	206	 77% 19% ..
4	2E	206	 77% 19% ..
5	1F	210	 73% 20% . .
5	2F	210	 69% 26% . .
6	1G	182	 73% 25% ...
6	2G	182	 70% 27% ..
7	1H	180	 71% 24% . .
7	2H	180	 70% 24% . .
8	1I	148	 73% 21% 5% .
8	2I	148	 80% 18% ..
9	1N	140	 76% 21% .
9	2N	140	 74% 22% .
10	1O	122	 84% 16%
10	2O	122	 79% 20% .
11	1P	150	 73% 23% . .
11	2P	150	 80% 18% ..
12	1Q	141	 82% 17% .
12	2Q	141	 74% 24% .
13	1R	118	 79% 18% .
13	2R	118	 74% 25% .
14	1S	112	 80% 17% ..
14	2S	112	 76% 21% ..
15	1T	146	 71% 17% . 10%

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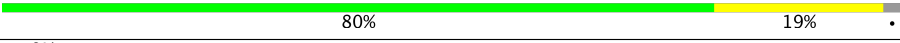










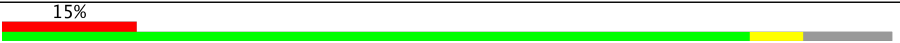



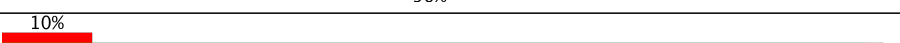
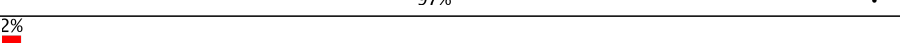
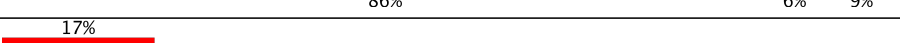

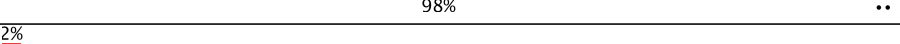
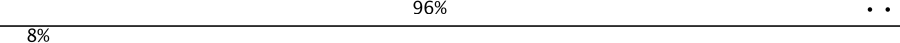
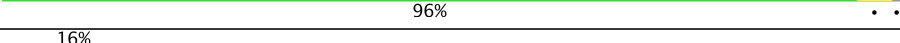
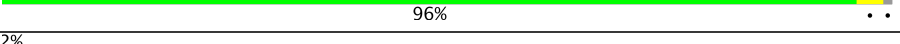
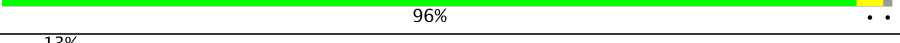
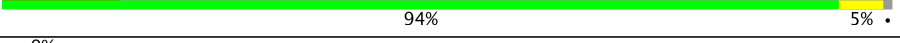
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Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25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

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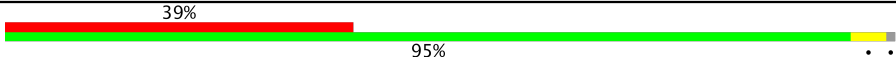





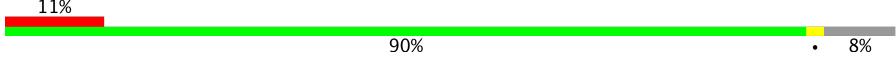
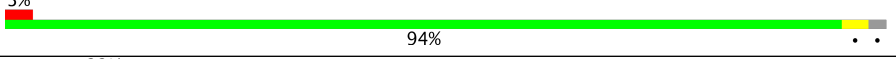
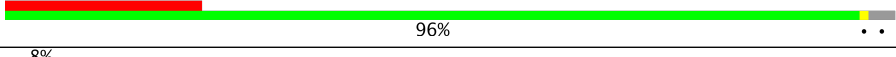

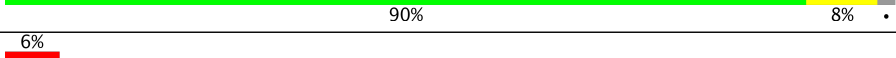
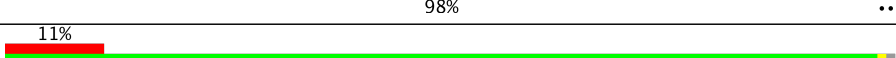
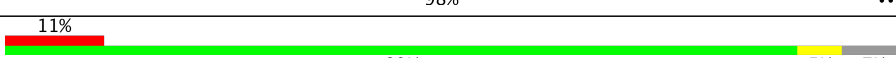
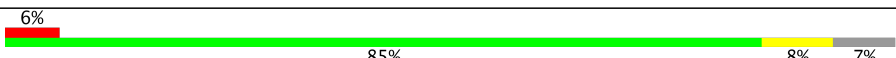
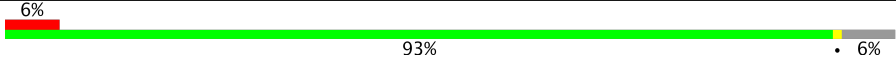
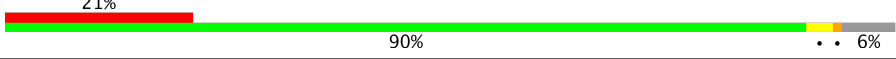
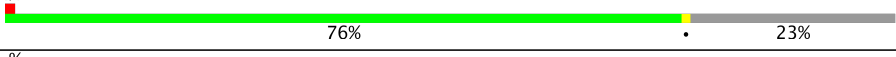


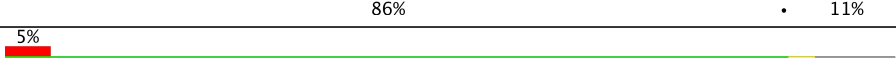
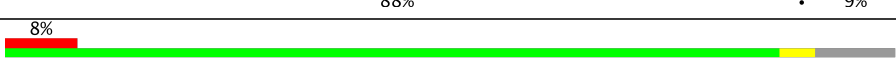
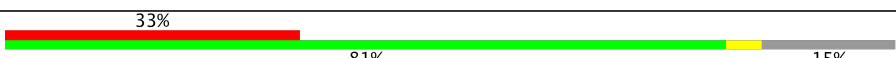
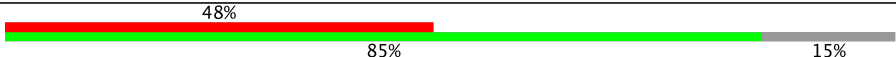




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Mol	Chain	Length	Quality of chain
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	
39	2h	138	
40	1i	128	

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

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

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
56	MG	10	105	-	-	-	X
56	MG	12	3002	-	-	-	X
56	MG	15	102	-	-	-	X
56	MG	18	102	-	-	-	X
56	MG	19	101	-	-	-	X
56	MG	1A	3013	-	-	-	X
56	MG	1A	3028	-	-	-	X
56	MG	1A	3029	-	-	-	X
56	MG	1A	3036	-	-	-	X
56	MG	1A	3037	-	-	-	X
56	MG	1A	3063	-	-	-	X
56	MG	1A	3071	-	-	-	X
56	MG	1A	3089	-	-	-	X
56	MG	1A	3098	-	-	-	X
56	MG	1A	3102	-	-	-	X
56	MG	1A	3103	-	-	-	X
56	MG	1A	3118	-	-	-	X
56	MG	1A	3120	-	-	-	X
56	MG	1A	3129	-	-	-	X
56	MG	1A	3153	-	-	-	X
56	MG	1A	3156	-	-	-	X
56	MG	1A	3157	-	-	-	X
56	MG	1A	3159	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	3162	-	-	-	X
56	MG	1A	3166	-	-	-	X
56	MG	1A	3167	-	-	-	X
56	MG	1A	3181	-	-	-	X
56	MG	1A	3182	-	-	-	X
56	MG	1A	3185	-	-	-	X
56	MG	1A	3186	-	-	-	X
56	MG	1A	3261	-	-	-	X
56	MG	1A	3269	-	-	-	X
56	MG	1A	3304	-	-	-	X
56	MG	1A	3323	-	-	-	X
56	MG	1A	3326	-	-	-	X
56	MG	1A	3329	-	-	-	X
56	MG	1A	3330	-	-	-	X
56	MG	1A	3331	-	-	-	X
56	MG	1A	3345	-	-	-	X
56	MG	1A	3366	-	-	-	X
56	MG	1A	3395	-	-	-	X
56	MG	1A	3413	-	-	-	X
56	MG	1A	3415	-	-	-	X
56	MG	1A	3461	-	-	-	X
56	MG	1A	3464	-	-	-	X
56	MG	1A	3483	-	-	-	X
56	MG	1A	3485	-	-	-	X
56	MG	1A	3552	-	-	-	X
56	MG	1A	3555	-	-	-	X
56	MG	1A	3557	-	-	-	X
56	MG	1A	3559	-	-	-	X
56	MG	1A	3561	-	-	-	X
56	MG	1A	3562	-	-	-	X
56	MG	1A	3563	-	-	-	X
56	MG	1A	3586	-	-	-	X
56	MG	1A	3686	-	-	-	X
56	MG	1A	3772	-	-	-	X
56	MG	1A	3775	-	-	-	X
56	MG	1A	3785	-	-	-	X
56	MG	1A	3791	-	-	-	X
56	MG	1A	3802	-	-	-	X
56	MG	1A	3827	-	-	-	X
56	MG	1A	3828	-	-	-	X
56	MG	1A	3839	-	-	-	X
56	MG	1A	3841	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	3843	-	-	-	X
56	MG	1A	3845	-	-	-	X
56	MG	1A	3847	-	-	-	X
56	MG	1A	3872	-	-	-	X
56	MG	1A	4020	-	-	-	X
56	MG	1A	4094	-	-	-	X
56	MG	1A	4107	-	-	-	X
56	MG	1A	4109	-	-	-	X
56	MG	1A	4110	-	-	-	X
56	MG	1A	4112	-	-	-	X
56	MG	1A	4119	-	-	-	X
56	MG	1A	4121	-	-	-	X
56	MG	1A	4123	-	-	-	X
56	MG	1A	4124	-	-	-	X
56	MG	1A	4127	-	-	-	X
56	MG	1A	4130	-	-	-	X
56	MG	1A	4131	-	-	-	X
56	MG	1A	4132	-	-	-	X
56	MG	1A	4134	-	-	-	X
56	MG	1A	4136	-	-	-	X
56	MG	1A	4143	-	-	-	X
56	MG	1A	4144	-	-	-	X
56	MG	1A	4145	-	-	-	X
56	MG	1B	3010	-	-	-	X
56	MG	1D	302	-	-	-	X
56	MG	1D	304	-	-	-	X
56	MG	1D	305	-	-	-	X
56	MG	1D	308	-	-	-	X
56	MG	1D	313	-	-	-	X
56	MG	1D	314	-	-	-	X
56	MG	1F	301	-	-	-	X
56	MG	1F	308	-	-	-	X
56	MG	1G	3001	-	-	-	X
56	MG	1N	3001	-	-	-	X
56	MG	1N	3006	-	-	-	X
56	MG	1O	3001	-	-	-	X
56	MG	1O	3002	-	-	-	X
56	MG	1P	202	-	-	-	X
56	MG	1R	202	-	-	-	X
56	MG	1S	3001	-	-	-	X
56	MG	1U	201	-	-	-	X
56	MG	1U	206	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1U	207	-	-	-	X
56	MG	1W	201	-	-	-	X
56	MG	1X	104	-	-	-	X
56	MG	1Y	504	-	-	-	X
56	MG	1Z	301	-	-	-	X
56	MG	1a	3016	-	-	-	X
56	MG	1a	3019	-	-	-	X
56	MG	1a	3036	-	-	-	X
56	MG	1a	3038	-	-	-	X
56	MG	1a	3059	-	-	-	X
56	MG	1a	3063	-	-	-	X
56	MG	1a	3089	-	-	-	X
56	MG	1a	3091	-	-	-	X
56	MG	1a	3094	-	-	-	X
56	MG	1a	3099	-	-	-	X
56	MG	1a	3188	-	-	-	X
56	MG	1x	115	-	-	-	X
56	MG	25	103	-	-	-	X
56	MG	2A	3013	-	-	-	X
56	MG	2A	3019	-	-	-	X
56	MG	2A	3022	-	-	-	X
56	MG	2A	3042	-	-	-	X
56	MG	2A	3056	-	-	-	X
56	MG	2A	3092	-	-	-	X
56	MG	2A	3102	-	-	-	X
56	MG	2A	3143	-	-	-	X
56	MG	2A	3280	-	-	-	X
56	MG	2A	3295	-	-	-	X
56	MG	2A	3330	-	-	-	X
56	MG	2A	3337	-	-	-	X
56	MG	2A	3360	-	-	-	X
56	MG	2A	3391	-	-	-	X
56	MG	2A	3458	-	-	-	X
56	MG	2A	3609	-	-	-	X
56	MG	2A	3673	-	-	-	X
56	MG	2A	3675	-	-	-	X
56	MG	2A	3687	-	-	-	X
56	MG	2A	3856	-	-	-	X
56	MG	2A	3859	-	-	-	X
56	MG	2A	3865	-	-	-	X
56	MG	2A	3870	-	-	-	X
56	MG	2A	3871	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3872	-	-	-	X
56	MG	2A	3875	-	-	-	X
56	MG	2D	306	-	-	-	X
56	MG	2D	307	-	-	-	X
56	MG	2T	3001	-	-	-	X
56	MG	2U	203	-	-	-	X
56	MG	2V	201	-	-	-	X
56	MG	2a	3066	-	-	-	X
56	MG	2a	3096	-	-	-	X
56	MG	2a	3178	-	-	-	X
58	M2D	1A	4118	-	-	-	X
58	M2D	2A	3864	-	-	-	X

## 2 Entry composition

There are 61 unique types of molecules in this entry. The entry contains 300935 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a RNA chain called 23S Ribosomal RNA.

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

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

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

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

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

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

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

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



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1580	1007	297	274	2			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1w	72	Total	C	N	O	P	S	0	0
			1550	694	277	505	72	2		
54	1y	74	Total	C	N	O	P	S	0	0
			1585	707	285	518	74	1		
54	2w	69	Total	C	N	O	P	S	0	0
			1482	662	267	482	69	2		
54	2y	73	Total	C	N	O	P	S	0	0
			1565	698	283	510	73	1		

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	1x	76	Total	C	N	O	P	S	0	0
			1625	725	294	529	76	1		
55	2x	76	Total	C	N	O	P	S	0	0
			1625	725	294	529	76	1		

- Molecule 56 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2E	7	Total	Mg	0	0
			7	7		
56	17	3	Total	Mg	0	0
			3	3		
56	2d	2	Total	Mg	0	0
			2	2		
56	1T	3	Total	Mg	0	0
			3	3		
56	1N	6	Total	Mg	0	0
			6	6		
56	20	2	Total	Mg	0	0
			2	2		
56	18	4	Total	Mg	0	0
			4	4		
56	2W	2	Total	Mg	0	0
			2	2		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Y	3	Total 3	Mg 3	0	0
56	13	1	Total 1	Mg 1	0	0
56	1f	2	Total 2	Mg 2	0	0
56	1P	3	Total 3	Mg 3	0	0
56	2B	21	Total 21	Mg 21	0	0
56	2l	2	Total 2	Mg 2	0	0
56	2a	230	Total 230	Mg 230	0	0
56	1E	12	Total 12	Mg 12	0	0
56	1b	2	Total 2	Mg 2	0	0
56	25	4	Total 4	Mg 4	0	0
56	2F	4	Total 4	Mg 4	0	0
56	16	2	Total 2	Mg 2	0	0
56	28	1	Total 1	Mg 1	0	0
56	2e	1	Total 1	Mg 1	0	0
56	1W	7	Total 7	Mg 7	0	0
56	1A	1143	Total 1143	Mg 1143	0	0
56	1t	1	Total 1	Mg 1	0	0
56	2p	1	Total 1	Mg 1	0	0
56	1n	2	Total 2	Mg 2	0	0
56	1X	5	Total 5	Mg 5	0	0
56	12	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1y	5	Total 5	Mg 5	0	0
56	1S	3	Total 3	Mg 3	0	0
56	1p	1	Total 1	Mg 1	0	0
56	2T	3	Total 3	Mg 3	0	0
56	1D	14	Total 14	Mg 14	0	0
56	23	1	Total 1	Mg 1	0	0
56	1e	1	Total 1	Mg 1	0	0
56	2G	1	Total 1	Mg 1	0	0
56	1I	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	1V	2	Total 2	Mg 2	0	0
56	2X	2	Total 2	Mg 2	0	0
56	1w	11	Total 11	Mg 11	0	0
56	26	1	Total 1	Mg 1	0	0
56	1a	235	Total 235	Mg 235	0	0
56	2Q	4	Total 4	Mg 4	0	0
56	15	3	Total 3	Mg 3	0	0
56	1x	15	Total 15	Mg 15	0	0
56	2j	2	Total 2	Mg 2	0	0
56	1R	4	Total 4	Mg 4	0	0
56	1s	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1m	1	Total Mg 1 1	0	0
56	2U	6	Total Mg 6 6	0	0
56	1G	5	Total Mg 5 5	0	0
56	2O	1	Total Mg 1 1	0	0
56	1l	4	Total Mg 4 4	0	0
56	1d	1	Total Mg 1 1	0	0
56	2r	2	Total Mg 2 2	0	0
56	2g	1	Total Mg 1 1	0	0
56	1v	1	Total Mg 1 1	0	0
56	2x	6	Total Mg 6 6	0	0
56	2R	2	Total Mg 2 2	0	0
56	1Z	4	Total Mg 4 4	0	0
56	2D	7	Total Mg 7 7	0	0
56	2q	3	Total Mg 3 3	0	0
56	1U	7	Total Mg 7 7	0	0
56	1O	5	Total Mg 5 5	0	0
56	27	1	Total Mg 1 1	0	0
56	19	2	Total Mg 2 2	0	0
56	1l	3	Total Mg 3 3	0	0
56	2V	1	Total Mg 1 1	0	0
56	1F	8	Total Mg 8 8	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	10	8	Total 8	Mg 8	0	0
56	2t	1	Total 1	Mg 1	0	0
56	1Q	5	Total 5	Mg 5	0	0
56	2A	876	Total 876	Mg 876	0	0
56	2Z	1	Total 1	Mg 1	0	0
56	1B	36	Total 36	Mg 36	0	0
56	2y	6	Total 6	Mg 6	0	0
56	2w	7	Total 7	Mg 7	0	0
56	2v	3	Total 3	Mg 3	0	0

- Molecule 57 is POTASSIUM ION (three-letter code: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1	Total 1	K 1	0	0
57	2A	1	Total 1	K 1	0	0

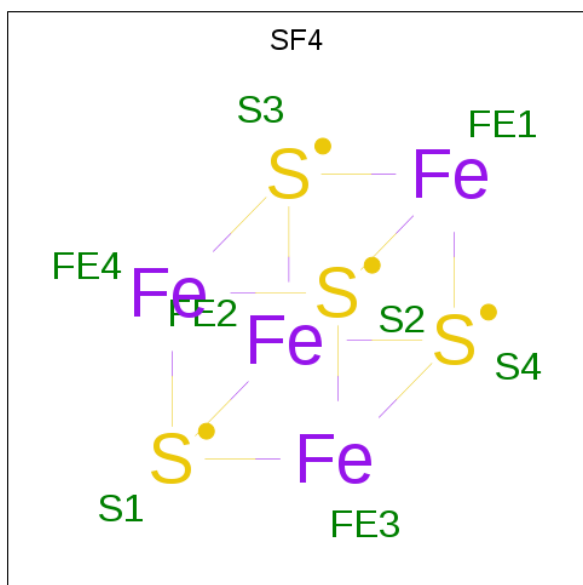
- Molecule 58 is Madumycin II (three-letter code: M2D) (formula: C<sub>26</sub>H<sub>37</sub>N<sub>3</sub>O<sub>7</sub>).



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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	2Y	1	Total	Zn	0	0
			1	1		
59	16	1	Total	Zn	0	0
			1	1		

- Molecule 60 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe<sub>4</sub>S<sub>4</sub>).



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

- Molecule 61 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1A	2255	Total	O	0	0
			2255	2255		
61	1B	68	Total	O	0	0
			68	68		
61	1D	30	Total	O	0	0
			30	30		
61	1E	28	Total	O	0	0
			28	28		
61	1F	21	Total	O	0	0
			21	21		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1G	5	Total 5	O 5	0	0
61	1H	1	Total 1	O 1	0	0
61	1I	2	Total 2	O 2	0	0
61	1N	8	Total 8	O 8	0	0
61	1O	11	Total 11	O 11	0	0
61	1P	25	Total 25	O 25	0	0
61	1Q	13	Total 13	O 13	0	0
61	1R	15	Total 15	O 15	0	0
61	1S	4	Total 4	O 4	0	0
61	1T	5	Total 5	O 5	0	0
61	1U	13	Total 13	O 13	0	0
61	1V	10	Total 10	O 10	0	0
61	1W	9	Total 9	O 9	0	0
61	1X	6	Total 6	O 6	0	0
61	1Y	5	Total 5	O 5	0	0
61	1Z	1	Total 1	O 1	0	0
61	10	8	Total 8	O 8	0	0
61	11	14	Total 14	O 14	0	0
61	12	4	Total 4	O 4	0	0
61	13	4	Total 4	O 4	0	0
61	14	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	15	7	Total 7	O 7	0	0
61	16	4	Total 4	O 4	0	0
61	17	7	Total 7	O 7	0	0
61	18	13	Total 13	O 13	0	0
61	19	3	Total 3	O 3	0	0
61	1a	454	Total 454	O 454	0	0
61	1b	1	Total 1	O 1	0	0
61	1f	1	Total 1	O 1	0	0
61	1l	7	Total 7	O 7	0	0
61	1m	2	Total 2	O 2	0	0
61	1o	1	Total 1	O 1	0	0
61	1q	3	Total 3	O 3	0	0
61	1r	1	Total 1	O 1	0	0
61	1u	1	Total 1	O 1	0	0
61	1v	6	Total 6	O 6	0	0
61	1w	18	Total 18	O 18	0	0
61	1x	16	Total 16	O 16	0	0
61	1y	3	Total 3	O 3	0	0
61	2A	1418	Total 1418	O 1418	0	0
61	2B	26	Total 26	O 26	0	0
61	2D	29	Total 29	O 29	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	2E	14	Total 14	O 14	0	0
61	2F	15	Total 15	O 15	0	0
61	2I	4	Total 4	O 4	0	0
61	2N	2	Total 2	O 2	0	0
61	2O	1	Total 1	O 1	0	0
61	2P	13	Total 13	O 13	0	0
61	2Q	2	Total 2	O 2	0	0
61	2R	2	Total 2	O 2	0	0
61	2T	4	Total 4	O 4	0	0
61	2U	2	Total 2	O 2	0	0
61	2V	1	Total 1	O 1	0	0
61	2W	3	Total 3	O 3	0	0
61	2X	5	Total 5	O 5	0	0
61	2Y	1	Total 1	O 1	0	0
61	2Z	2	Total 2	O 2	0	0
61	20	5	Total 5	O 5	0	0
61	21	14	Total 14	O 14	0	0
61	22	1	Total 1	O 1	0	0
61	23	2	Total 2	O 2	0	0
61	25	5	Total 5	O 5	0	0
61	26	1	Total 1	O 1	0	0

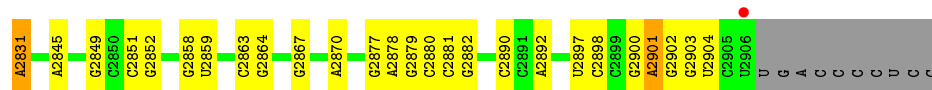
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	27	3	Total 3	O 3	0	0
61	28	5	Total 5	O 5	0	0
61	29	1	Total 1	O 1	0	0
61	2a	392	Total 392	O 392	0	0
61	2c	2	Total 2	O 2	0	0
61	2d	4	Total 4	O 4	0	0
61	2e	2	Total 2	O 2	0	0
61	2g	1	Total 1	O 1	0	0
61	2j	4	Total 4	O 4	0	0
61	2k	1	Total 1	O 1	0	0
61	2l	6	Total 6	O 6	0	0
61	2o	4	Total 4	O 4	0	0
61	2p	2	Total 2	O 2	0	0
61	2q	1	Total 1	O 1	0	0
61	2r	1	Total 1	O 1	0	0
61	2t	3	Total 3	O 3	0	0
61	2u	1	Total 1	O 1	0	0
61	2v	4	Total 4	O 4	0	0
61	2w	1	Total 1	O 1	0	0
61	2x	6	Total 6	O 6	0	0
61	2y	19	Total 19	O 19	0	0

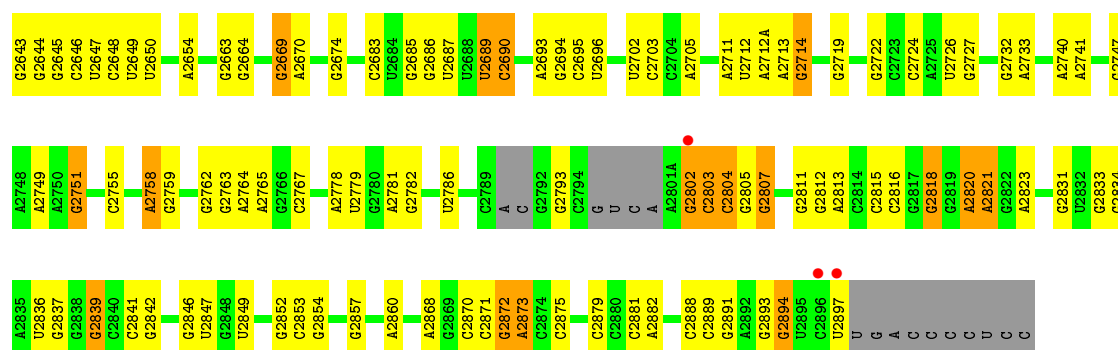


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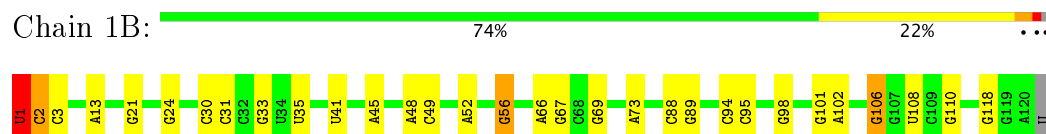


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C2540	C2541	C2440	U2344	G2239	G2141	C1958	G1835	U1739	A1507	U1420	C1297	A1204	G1114
C2542	C2543	C2441	U2345	G2240	C2142	A1959	G1839	G1740	A1508	G1421	U1300	G1205	G1115
C2544	C2545	C2442	A2346	C2248	U2144	G2061	G1843	G1742	A1509A	G1423	A1301	G1206	G1117
U2552	U2553	G2446	C2347	C2261	C2146	A2062	C1847	G1746	A1509B	G1426	A1302	A1210	G1118
U2554	U2555	G2447	C2350	A2268	G2148	C2066	A1848	G1747	G1510	A1427	A1308	U1211	G1119
U2556	U2557	A2448	C2355	G2271	G2069	U2079	A1853	G1750	U1514	A1434	U1314	G1212	G1120
U2558	U2559	G2449	C2360	G2272	G2070	U2079	A1854	G1752	C1516	G1435	C1313	A1213	G1122
U2560	U2561	A2450	A2361	A2273	A2071	G2072	G1857	G1753	G1517	G1436	C1320	G1218	G1125
U2562	U2563	G2451	A2362	A2274	C2073	C2073	G1887	G1756	U1518	C1437	A1336	A1220	A1127
U2564	U2565	G2452	C2363	G2275	G2154	U2079	U1864	U1757	G1519	G1442	C1224	C1224	A1128
U2566	U2567	A2453	C2364	G2276	G2155	C1983	U1864	U1758	A1528	G1443	G1337	G1225	A1130
U2568	U2569	G2454	C2365	G2277	G2156	C1987	A1877	G1758	A1528A	G1444	U1340	G1231	G1131
U2570	U2571	A2455	C2366	G2278	G2157	C1988	G1878	A1762	G1530	A1445	C1345	C1335	C1135
U2572	U2573	G2456	A2367	G2279	U2099	U2099	C1882	G1763	C1531	C1446	U1352	A1237	G1136
U2574	U2575	A2457	C2368	C2280	G2100	G2100	G1883	G1764	C1532	G1447	U1357	G1238	G1137
U2576	U2577	G2458	C2369	C2281	G2101	G2101	A1884	G1769	C1533	G1448	G1356	G1239	G1138
U2578	U2579	A2459	A2370	C2282	U2102	U2102	U1889	A1773	U	A1449	U1357	A1241	C1140
U2580	U2581	G2460	C2371	C2283	C2103	C2103	A1890	U1777	A	G1450	G1358	U1240	U1141
U2582	U2583	A2461	C2372	C2284	G2104	G2104	A1890	U1778	G1536	G1451	A1360	G1243	U1142
U2584	U2585	G2462	C2373	C2285	C2105	G1987	A1890	U1779	G1537	C1451	G1361	G1244	A1142A
U2586	U2587	A2463	C2374	C2286	G2106	G1988	G1896	U1780	G1541	G1455	G1245	G1245	G1143
U2588	U2589	G2464	C2375	C2287	U2107	U2107	C1902	C1781	G1542	C1458	G1364	U1248	C1147
U2590	U2591	A2465	C2376	C2288	G2108	G2108	A1900	C1782	A1545	G1459	A1365	U1249	A1148
U2592	U2593	G2466	C2377	C2289	U2109	U2109	A1901	C1783	C1557	C1460	G1368	G1250	G1149
U2594	U2595	A2467	C2378	C2290	G2110	G2110	A1902	A1784	C1558	C1463	A1253	A1254	C1150
U2596	U2597	G2468	C2379	C2291	C2111	C2111	A1903	U1786	A1566	G1464	C1370	U1255	C1153
U2598	U2599	A2469	C2380	C2292	G2112	G2112	A1904	C1787	A1567	G1465	G1256	G1256	G1154
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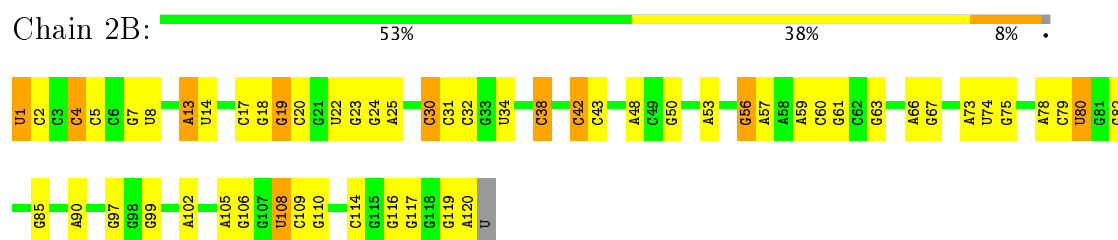




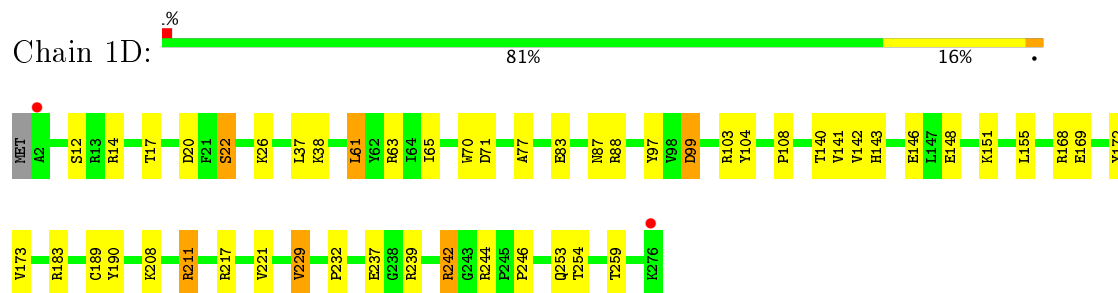
- Molecule 2: 5S ribosomal RNA



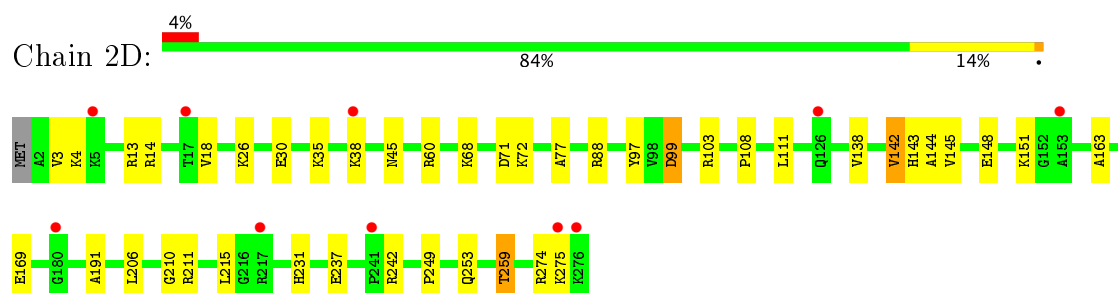
- Molecule 2: 5S ribosomal RNA



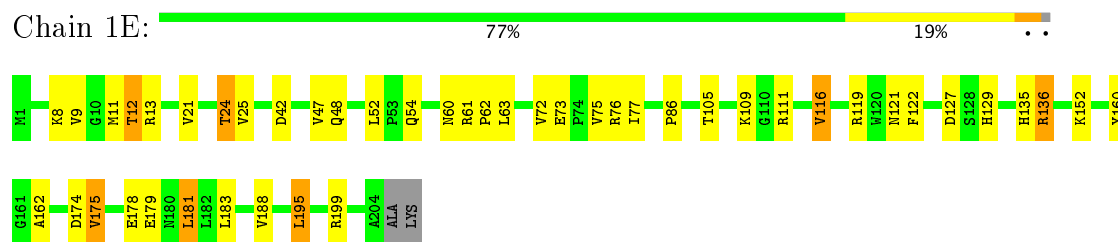
- Molecule 3: 50S ribosomal protein L2



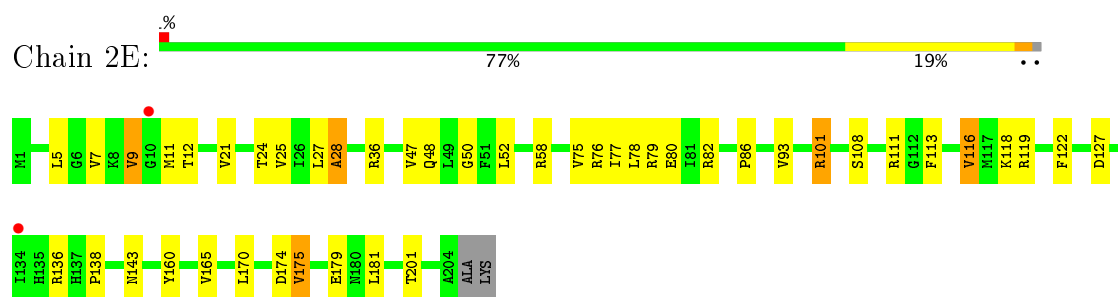
- Molecule 3: 50S ribosomal protein L2



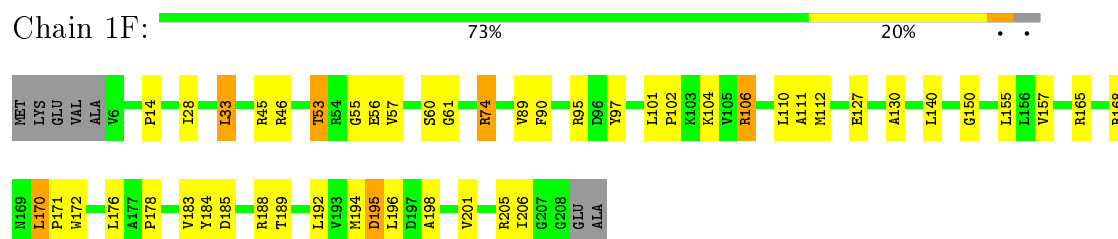
- Molecule 4: 50S ribosomal protein L3



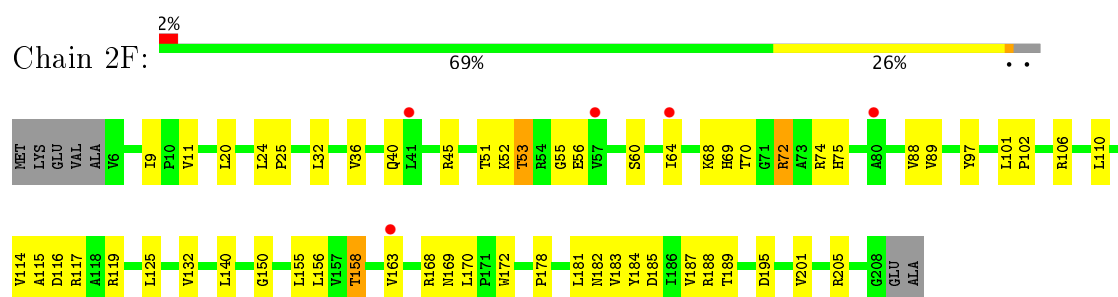
- Molecule 4: 50S ribosomal protein L3



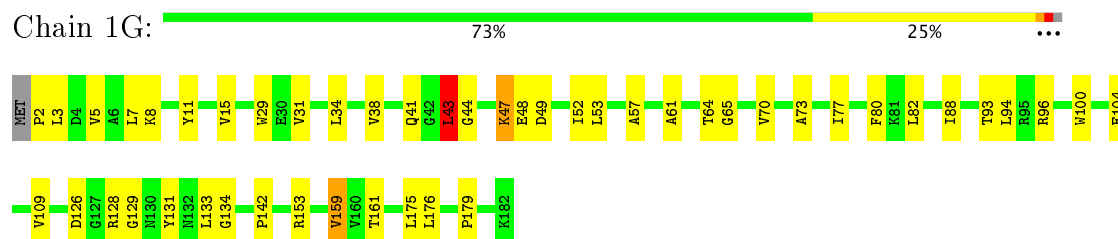
- Molecule 5: 50S ribosomal protein L4



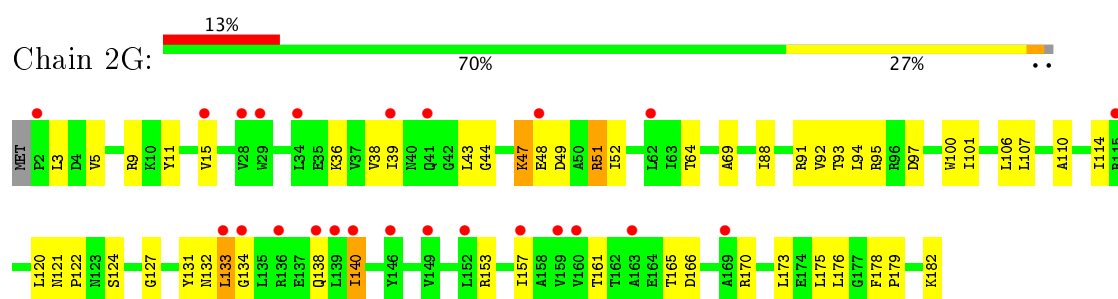
- Molecule 5: 50S ribosomal protein L4



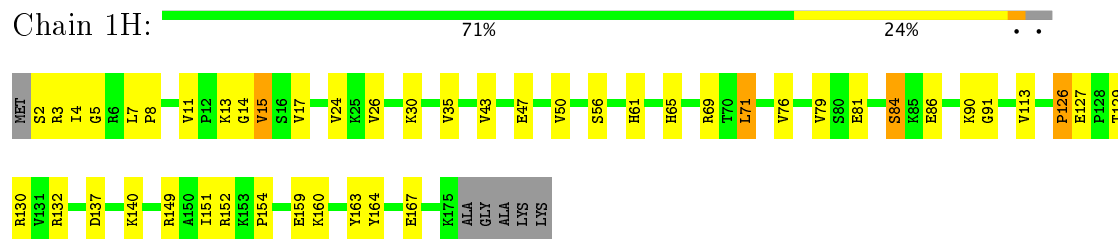
- Molecule 6: 50S ribosomal protein L5



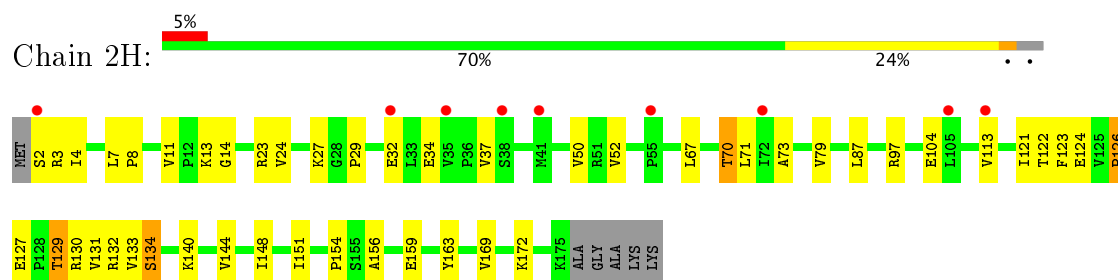
- Molecule 6: 50S ribosomal protein L5



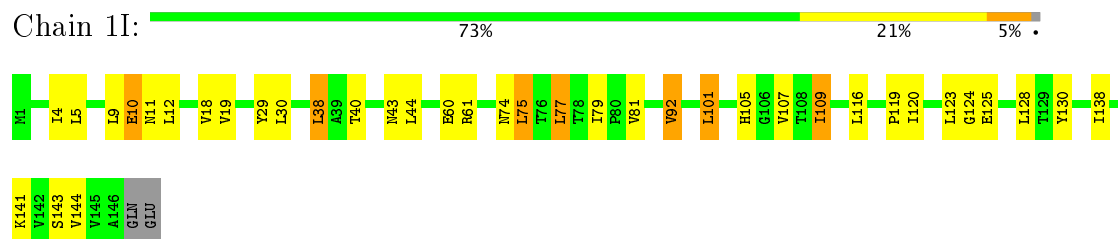
- Molecule 7: 50S ribosomal protein L6



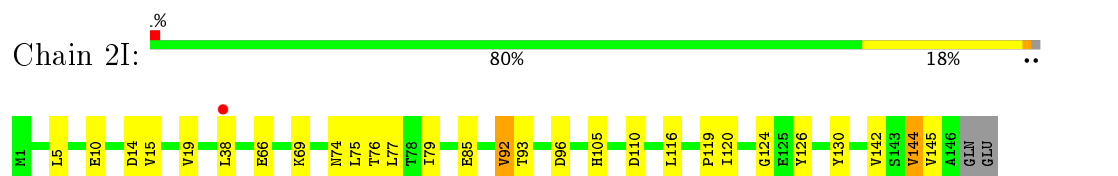
- Molecule 7: 50S ribosomal protein L6



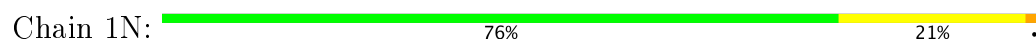
- Molecule 8: 50S ribosomal protein L9



- Molecule 8: 50S ribosomal protein L9

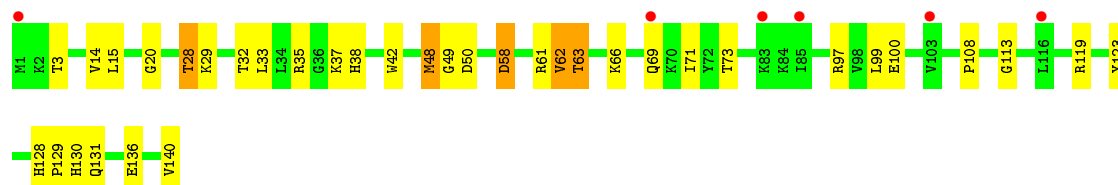
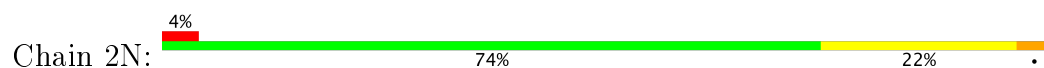


- Molecule 9: 50S ribosomal protein L13

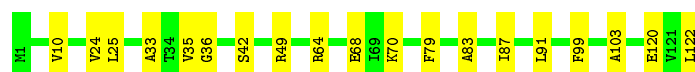
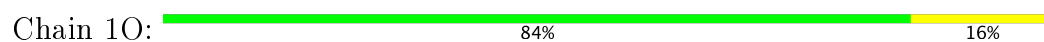




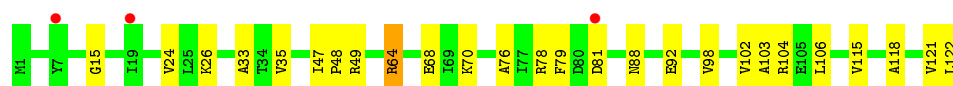
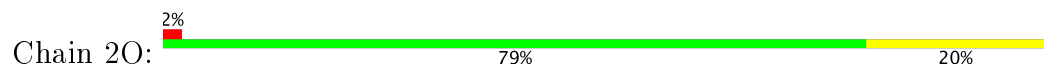
- Molecule 9: 50S ribosomal protein L13



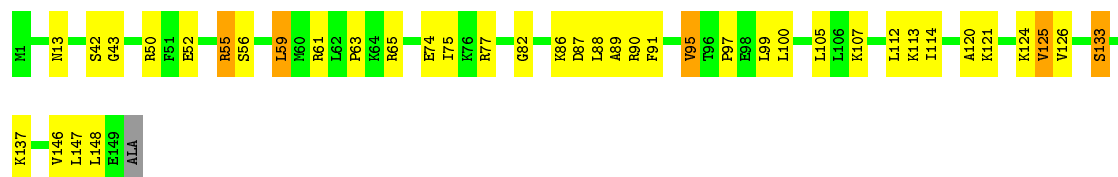
- Molecule 10: 50S ribosomal protein L14



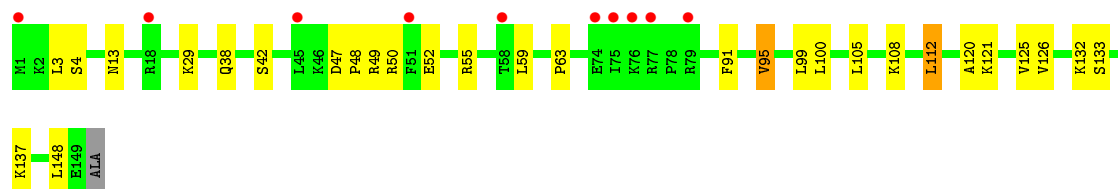
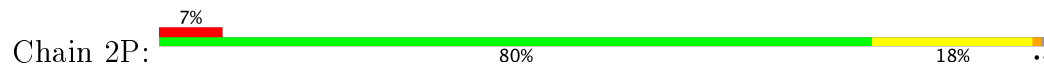
- Molecule 10: 50S ribosomal protein L14



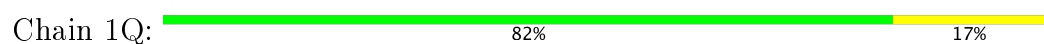
- Molecule 11: 50S ribosomal protein L15



- Molecule 11: 50S ribosomal protein L15

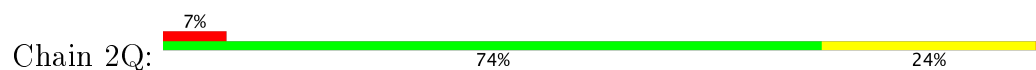


- Molecule 12: 50S ribosomal protein L16

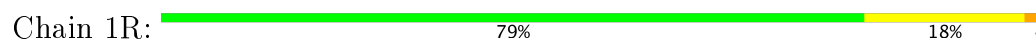




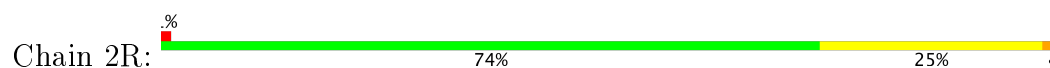
- Molecule 12: 50S ribosomal protein L16



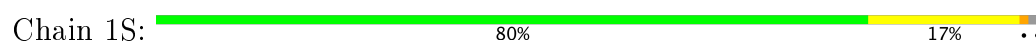
- Molecule 13: 50S ribosomal protein L17



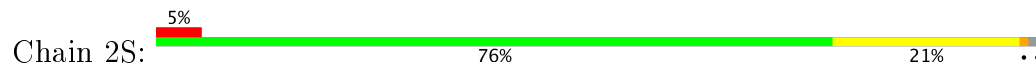
- Molecule 13: 50S ribosomal protein L17



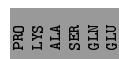
- Molecule 14: 50S ribosomal protein L18



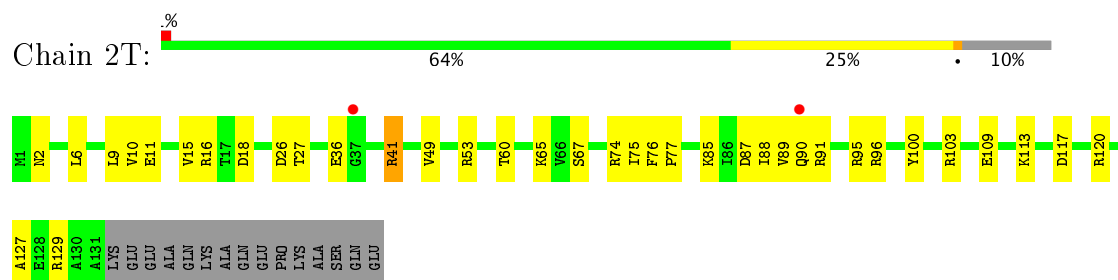
- Molecule 14: 50S ribosomal protein L18



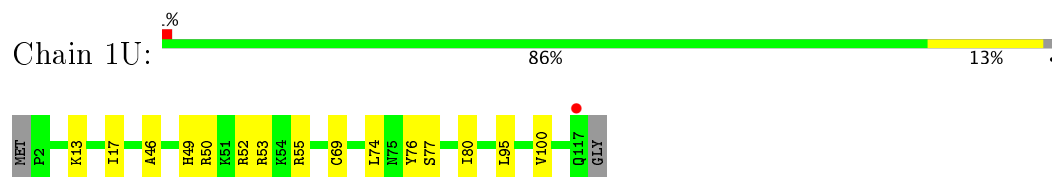
- Molecule 15: 50S ribosomal protein L19



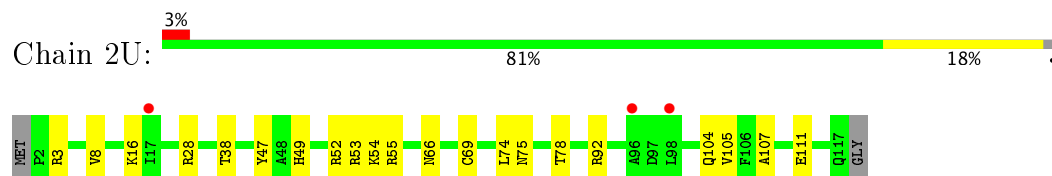
- Molecule 15: 50S ribosomal protein L19



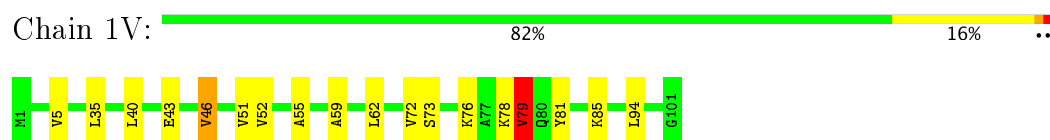
- Molecule 16: 50S ribosomal protein L20



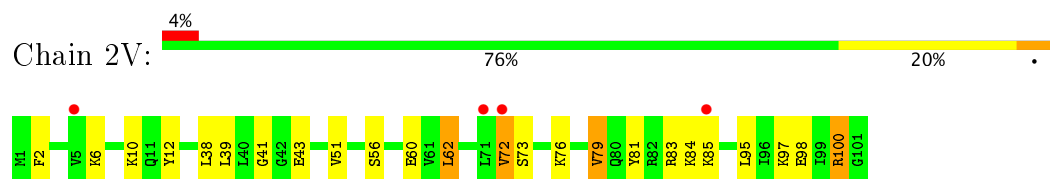
- Molecule 16: 50S ribosomal protein L20



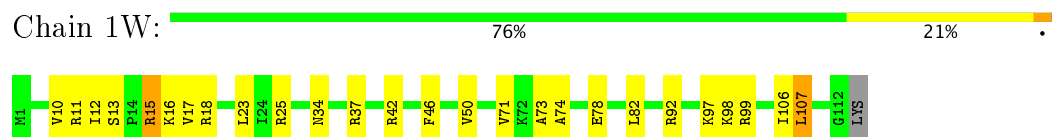
- Molecule 17: 50S ribosomal protein L21



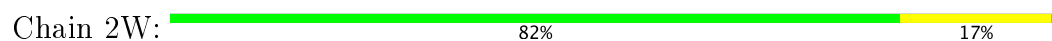
- Molecule 17: 50S ribosomal protein L21



- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22





- Molecule 19: 50S ribosomal protein L23

Chain 1X: 73% 25% ..



- Molecule 19: 50S ribosomal protein L23

Chain 2X: 73% 25% ..



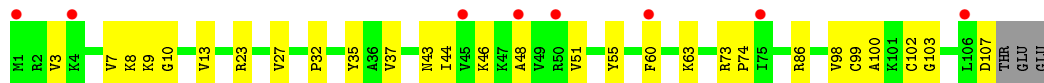
- Molecule 20: 50S ribosomal protein L24

Chain 1Y: 73% 23% ..



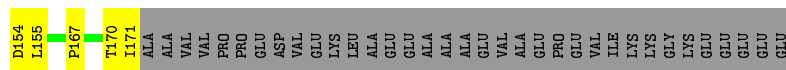
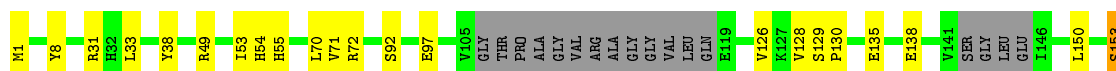
- Molecule 20: 50S ribosomal protein L24

Chain 2Y: 7% 72% 25% .



- Molecule 21: 50S ribosomal protein L25

Chain 1Z: 62% 13% 25%




- Molecule 21: 50S ribosomal protein L25

Chain 2Z: 7% 61% 15% 22%




GLY  
LYS  
GLU  
GLU  
GLU  
GLU

- Molecule 22: 50S ribosomal protein L27

Chain 10:  8% 81% 15% ..



- Molecule 22: 50S ribosomal protein L27

Chain 20:  9% 78% 19% ..




- Molecule 23: 50S ribosomal protein L28

Chain 11:  .% 80% 18% ..




- Molecule 23: 50S ribosomal protein L28

Chain 21:  2% 79% 19% ..




- Molecule 24: 50S ribosomal protein L29

Chain 12:  .% 74% 22% ..




- Molecule 24: 50S ribosomal protein L29

Chain 22:  .% 71% 26% ..



- Molecule 25: 50S ribosomal protein L30

Chain 13:  77% 20% ..

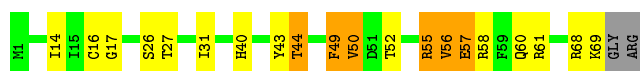




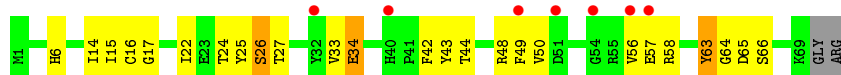
- Molecule 25: 50S ribosomal protein L30



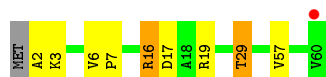
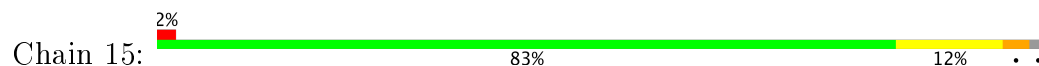
- Molecule 26: 50S ribosomal protein L31



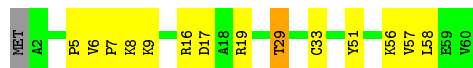
- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



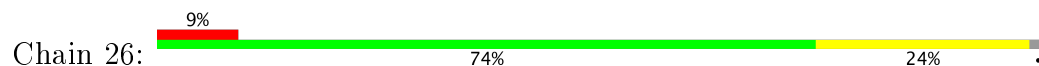
- Molecule 27: 50S ribosomal protein L32

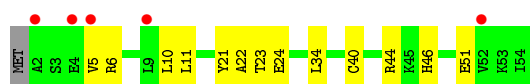


- Molecule 28: 50S ribosomal protein L33

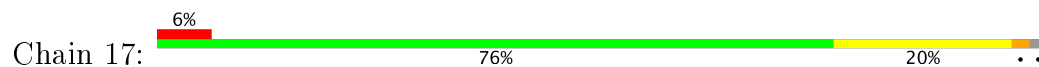


- Molecule 28: 50S ribosomal protein L33

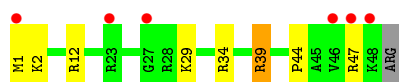
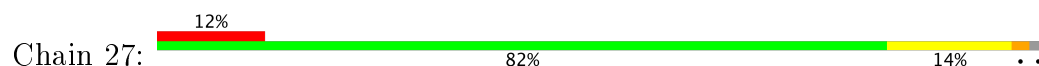




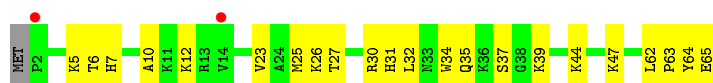
- Molecule 29: 50S ribosomal protein L34



- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



- Molecule 30: 50S ribosomal protein L35



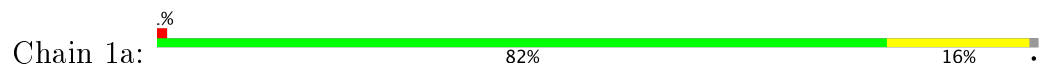
- Molecule 31: 50S ribosomal protein L36

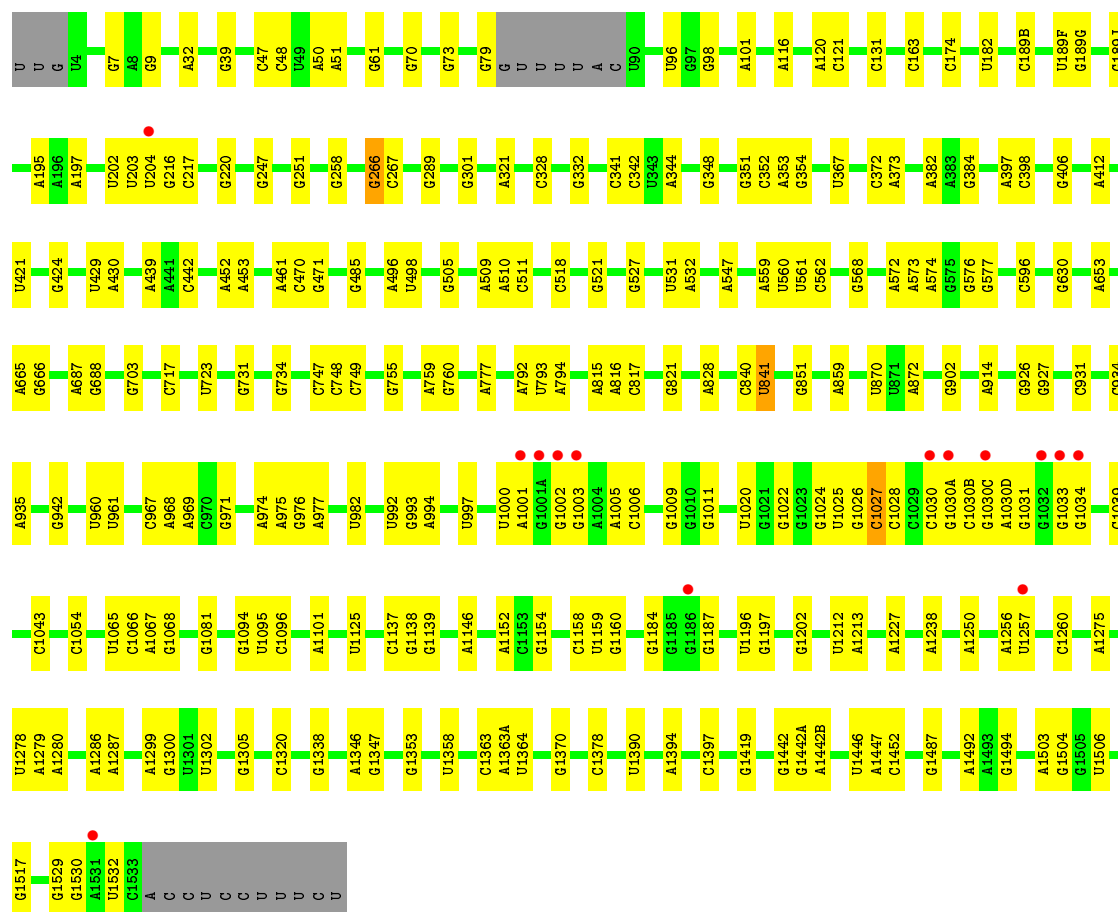


- Molecule 31: 50S ribosomal protein L36

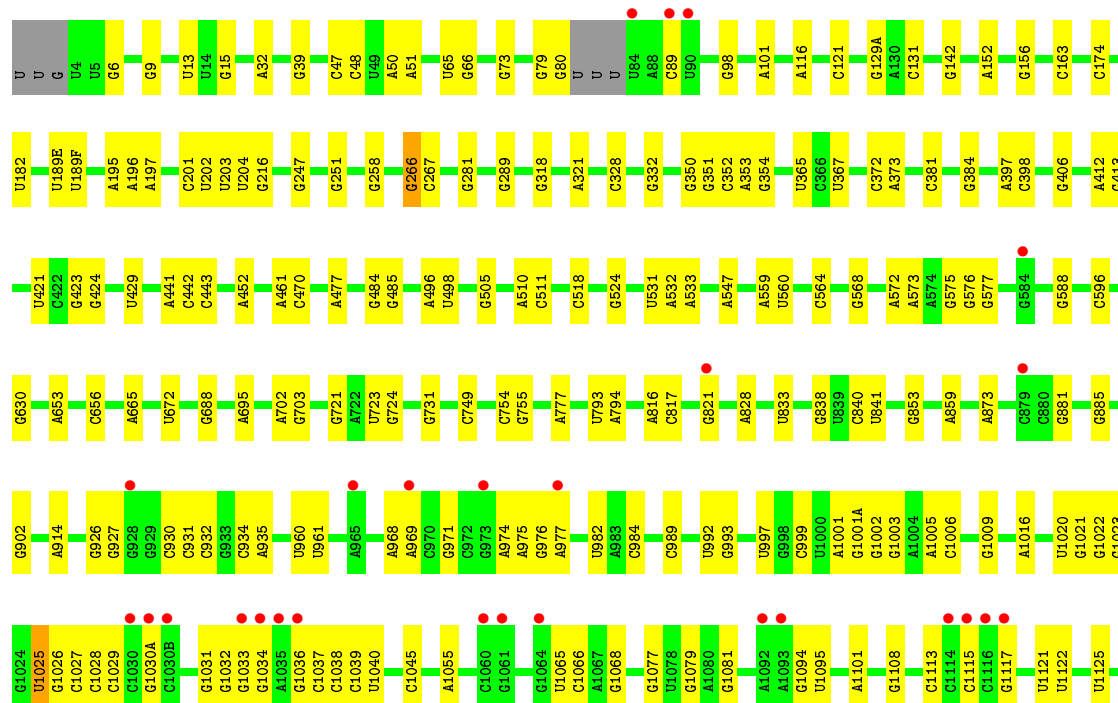
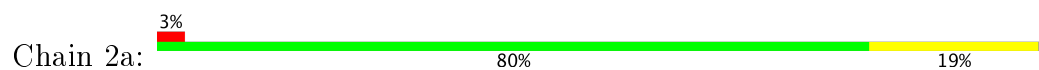


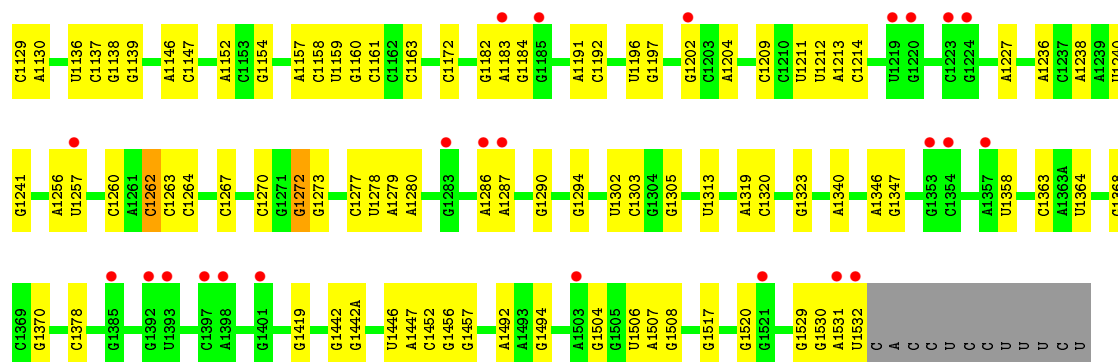
- Molecule 32: 16S ribosomal RNA



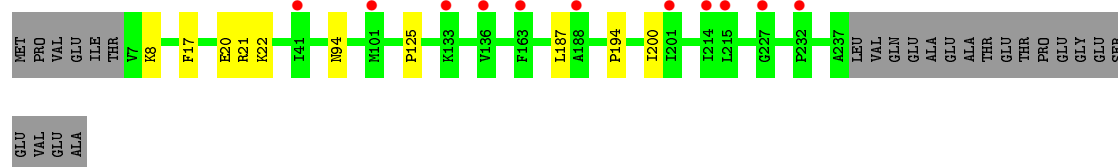
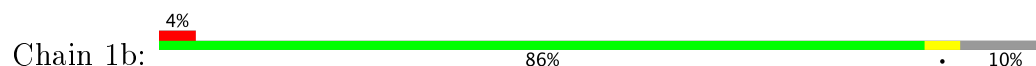


• Molecule 32: 16S ribosomal RNA

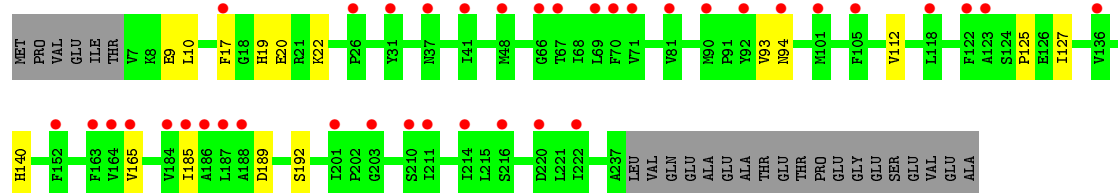
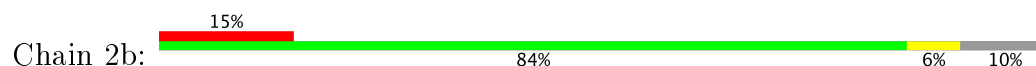




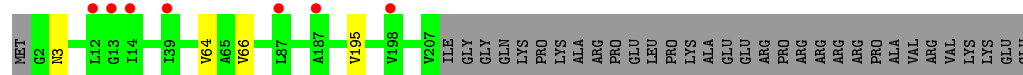
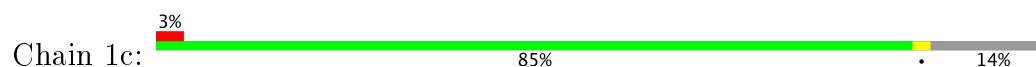
• Molecule 33: 30S ribosomal protein S2



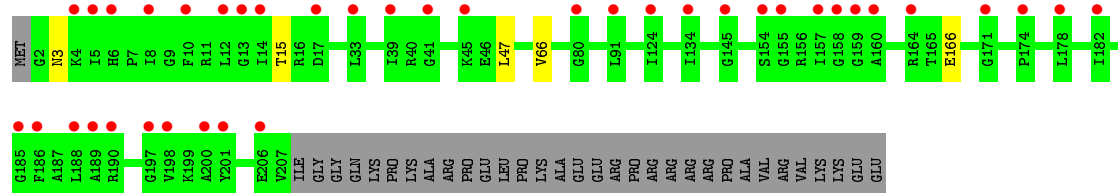
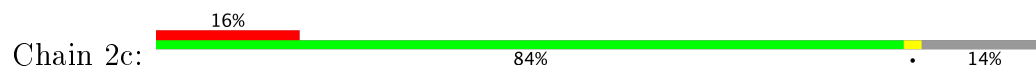
• Molecule 33: 30S ribosomal protein S2



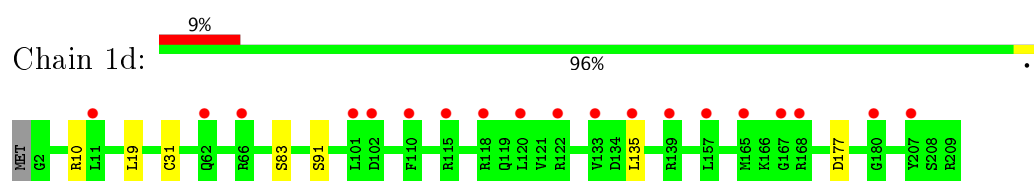
• Molecule 34: 30S ribosomal protein S3



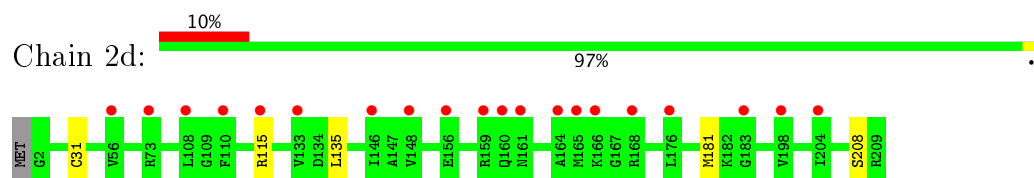
• Molecule 34: 30S ribosomal protein S3



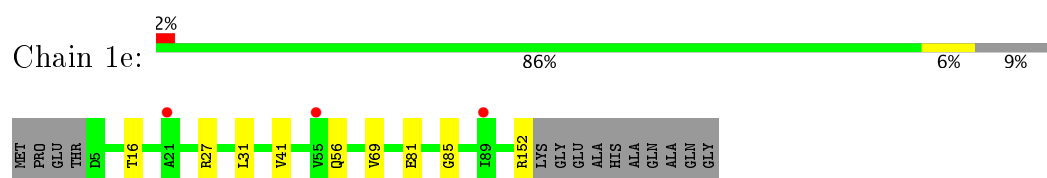
• Molecule 35: 30S ribosomal protein S4



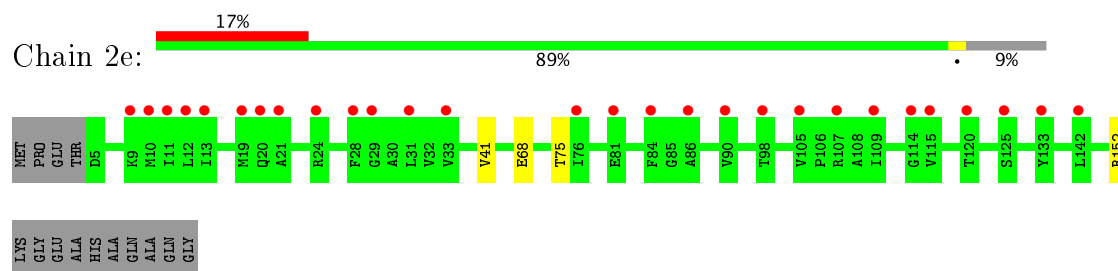
- Molecule 35: 30S ribosomal protein S4



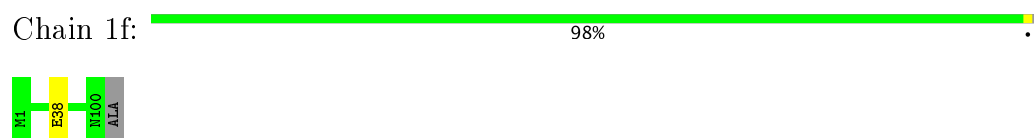
- Molecule 36: 30S ribosomal protein S5



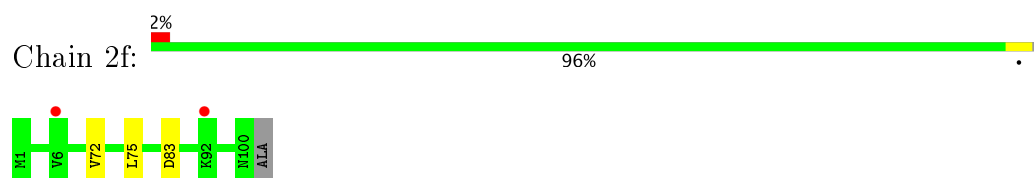
- Molecule 36: 30S ribosomal protein S5



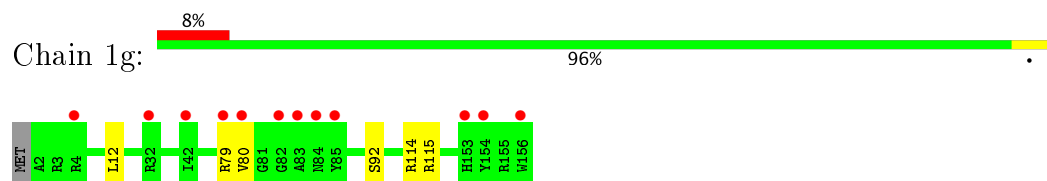
- Molecule 37: 30S ribosomal protein S6



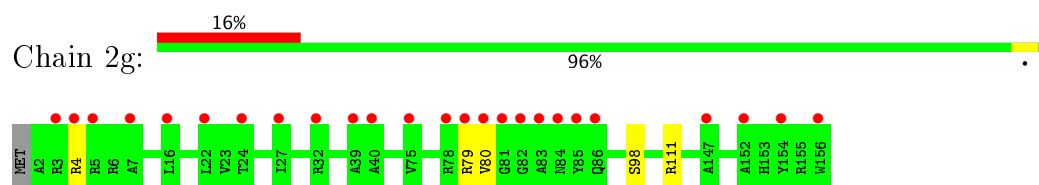
- Molecule 37: 30S ribosomal protein S6



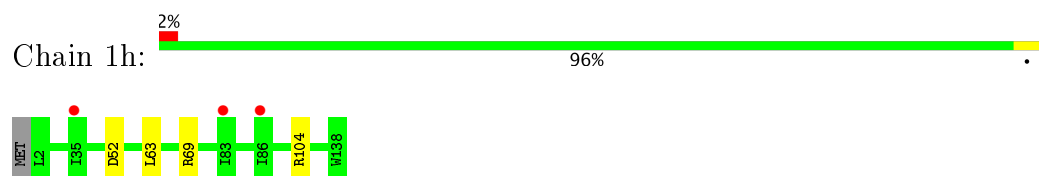
- Molecule 38: 30S ribosomal protein S7



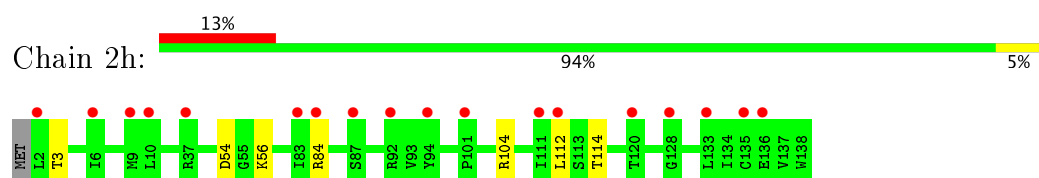
- Molecule 38: 30S ribosomal protein S7



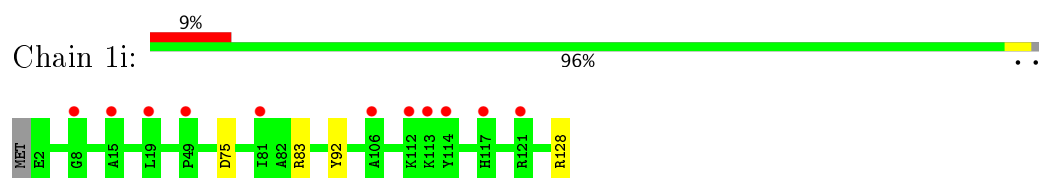
- Molecule 39: 30S ribosomal protein S8



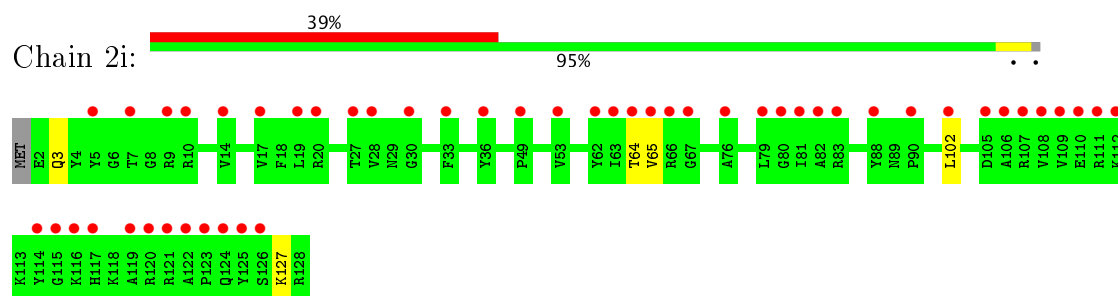
- Molecule 39: 30S ribosomal protein S8



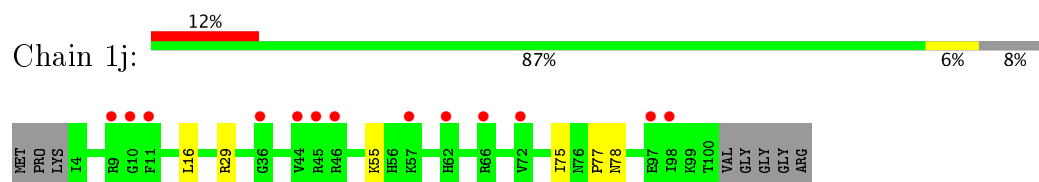
- Molecule 40: 30S ribosomal protein S9



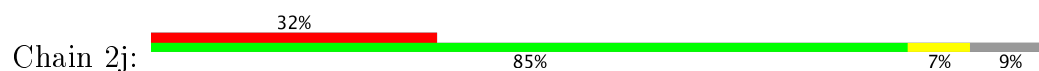
- Molecule 40: 30S ribosomal protein S9

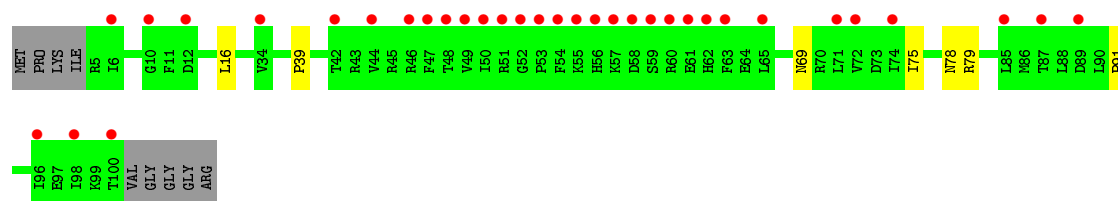


- Molecule 41: 30S ribosomal protein S10



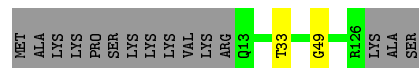
- Molecule 41: 30S ribosomal protein S10





- Molecule 42: 30S ribosomal protein S11

Chain 1k: 87% 12%



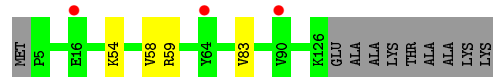
- Molecule 42: 30S ribosomal protein S11

Chain 2k: 8% 84% 5% 12%



- Molecule 43: 30S ribosomal protein S12

Chain 1l: 2% 89% 8%



- Molecule 43: 30S ribosomal protein S12

Chain 2l: 11% 90% 8%



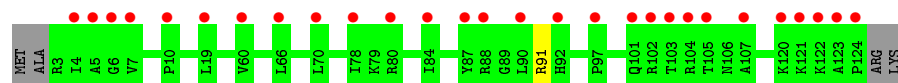
- Molecule 44: 30S ribosomal protein S13

Chain 1m: 3% 94% 2% 1%

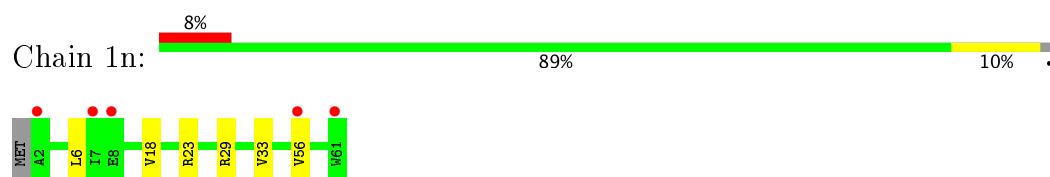


- Molecule 44: 30S ribosomal protein S13

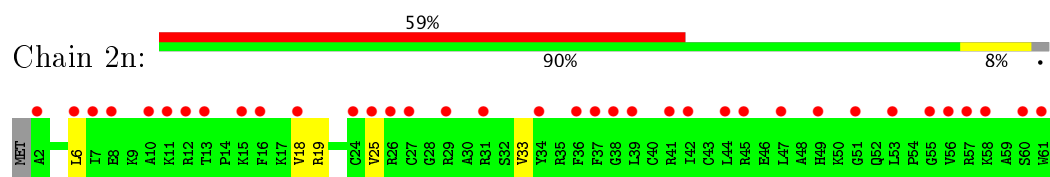
Chain 2m: 22% 96% 1% 1%



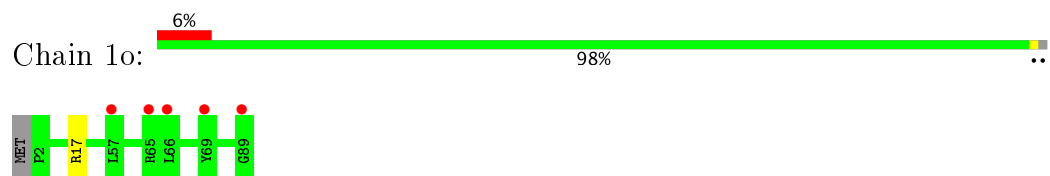
- Molecule 45: 30S ribosomal protein S14 type Z



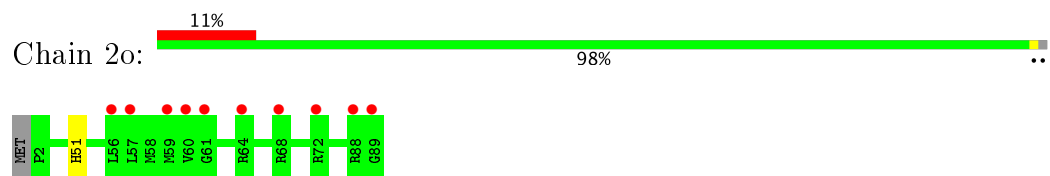
- Molecule 45: 30S ribosomal protein S14 type Z



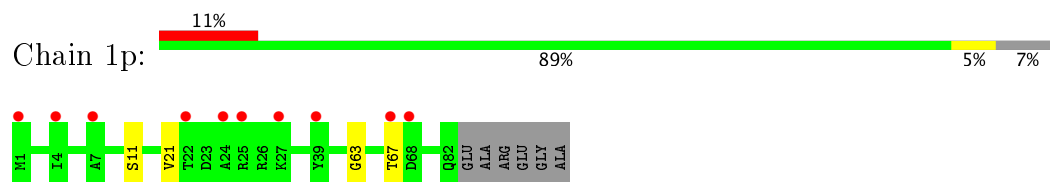
- Molecule 46: 30S ribosomal protein S15



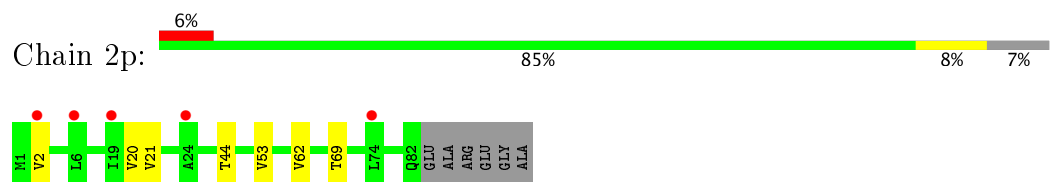
- Molecule 46: 30S ribosomal protein S15



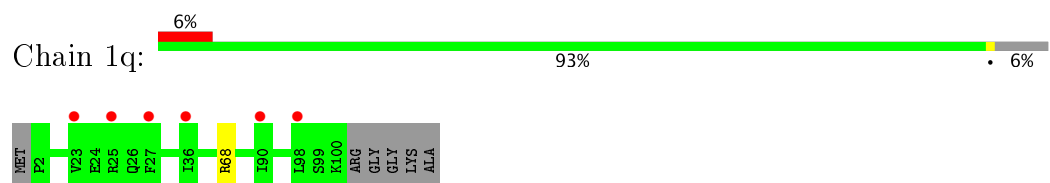
- Molecule 47: 30S ribosomal protein S16



- Molecule 47: 30S ribosomal protein S16

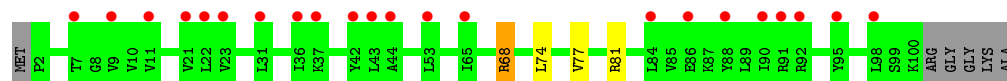
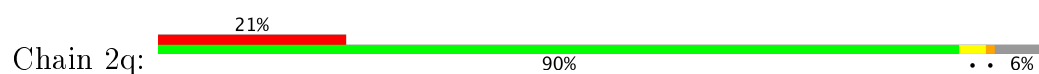


- Molecule 48: 30S ribosomal protein S17

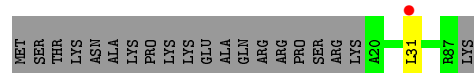
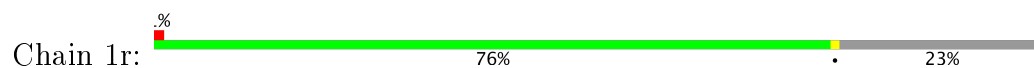


- Molecule 48: 30S ribosomal protein S17

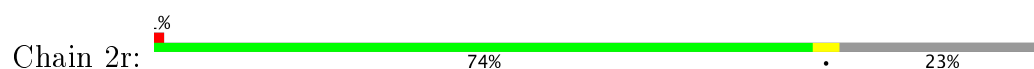




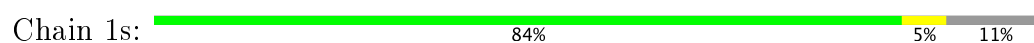
- Molecule 49: 30S ribosomal protein S18



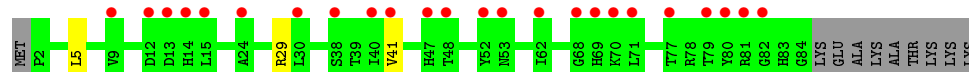
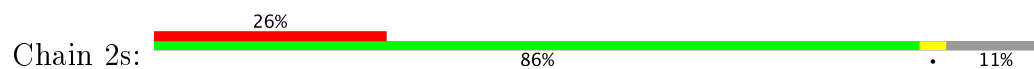
- Molecule 49: 30S ribosomal protein S18



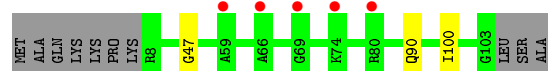
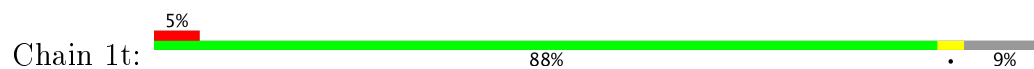
- Molecule 50: 30S ribosomal protein S19



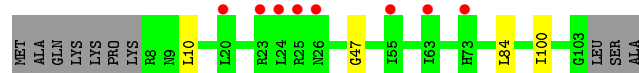
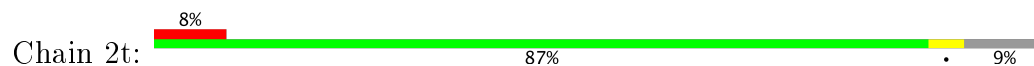
- Molecule 50: 30S ribosomal protein S19



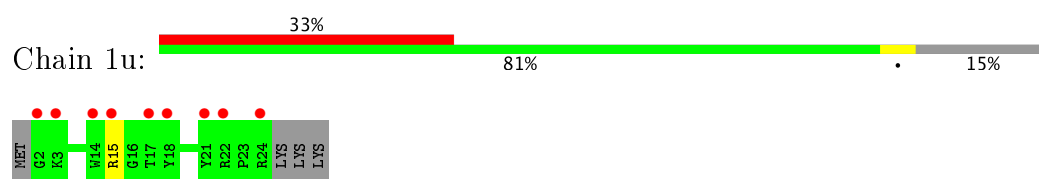
- Molecule 51: 30S ribosomal protein S20



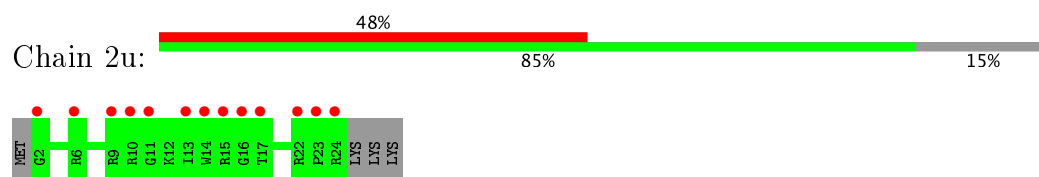
- Molecule 51: 30S ribosomal protein S20



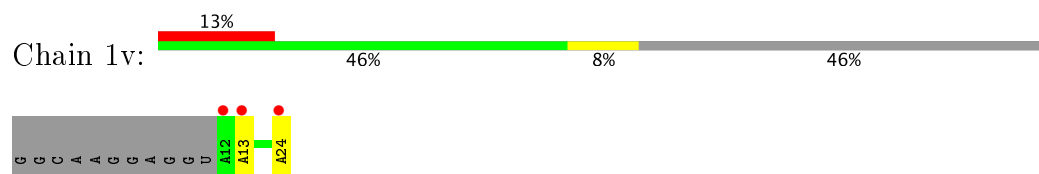
- Molecule 52: 30S ribosomal protein Thx



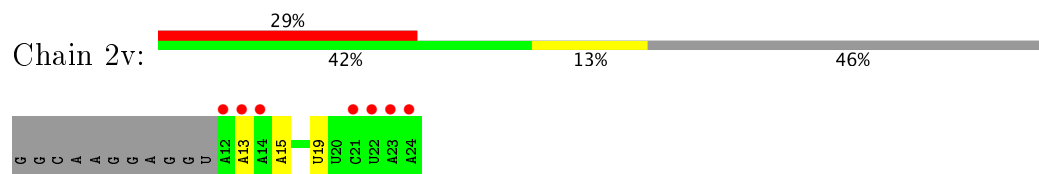
- Molecule 52: 30S ribosomal protein Thx



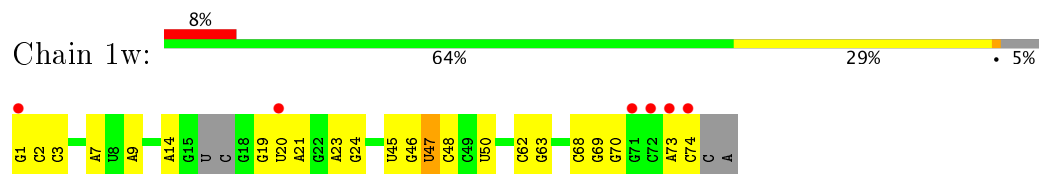
- Molecule 53: mRNA



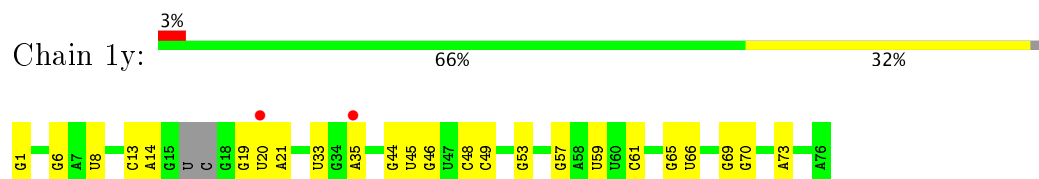
- Molecule 53: mRNA



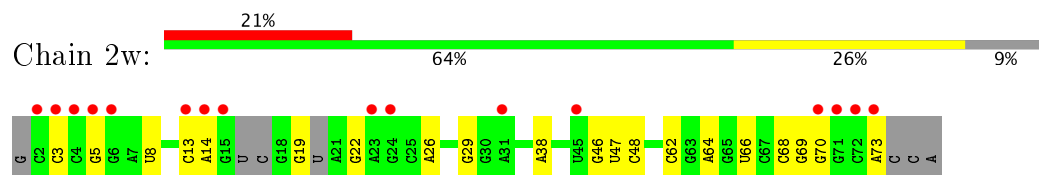
- Molecule 54: A-site and E-site tRNAs



- Molecule 54: A-site and E-site tRNAs

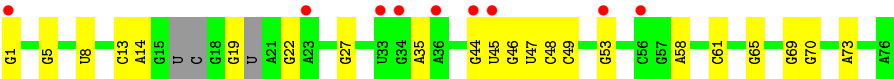


- Molecule 54: A-site and E-site tRNAs

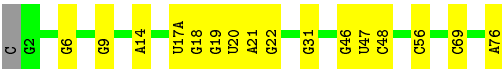
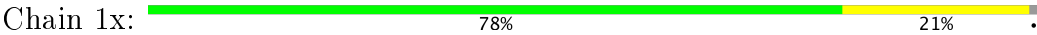


- Molecule 54: A-site and E-site tRNAs

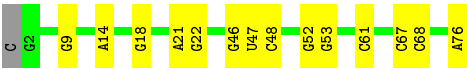
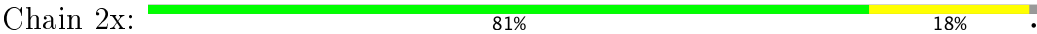




● Molecule 55: P-site tRNA



● Molecule 55: P-site tRNA



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	209.94Å 451.23Å 622.44Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	155.61 – 2.80 311.22 – 2.80	Depositor EDS
% Data completeness (in resolution range)	96.6 (155.61-2.80) 96.6 (311.22-2.80)	Depositor EDS
$R_{merge}$	0.15	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.32 (at 2.82Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, $R_{free}$	0.229 , 0.278 0.235 , 0.281	Depositor DCC
$R_{free}$ test set	69402 reflections (5.28%)	DCC
Wilson B-factor (Å <sup>2</sup> )	53.5	Xtriage
Anisotropy	0.220	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.29 , 60.2	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.39$ , $\langle L^2 \rangle = 0.21$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
$F_o, F_c$ correlation	0.88	EDS
Total number of atoms	300935	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	51.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.66% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

<sup>2</sup>Theoretical 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, MA6, ZN, M2G, OMG, 2MU, MIA, SF4, 0TD, MG, 2MA, 2MG, 5MC, UR3, M2D, 4OC, 4SU, 7MG, K, 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	0.31	0/69009	0.80	23/107712 (0.0%)
1	2A	0.25	0/67293	0.78	13/105034 (0.0%)
2	1B	0.31	1/2882 (0.0%)	0.74	0/4494
2	2B	0.30	1/2879 (0.0%)	0.78	1/4487 (0.0%)
3	1D	0.28	0/2186	0.50	0/2944
3	2D	0.27	0/2186	0.48	0/2944
4	1E	0.27	0/1592	0.49	0/2149
4	2E	0.25	0/1592	0.47	0/2149
5	1F	0.28	0/1619	0.46	0/2193
5	2F	0.26	0/1615	0.44	0/2188
6	1G	0.26	0/1448	0.45	0/1957
6	2G	0.25	0/1453	0.46	0/1963
7	1H	0.26	0/1356	0.45	0/1834
7	2H	0.25	0/1356	0.43	0/1834
8	1I	0.24	0/1112	0.46	0/1514
8	2I	0.24	0/1079	0.45	0/1475
9	1N	0.28	0/1144	0.47	0/1543
9	2N	0.25	0/1144	0.43	0/1543
10	1O	0.29	0/943	0.48	0/1269
10	2O	0.27	0/943	0.47	0/1269
11	1P	0.30	0/1152	0.47	0/1533
11	2P	0.26	0/1152	0.48	0/1533
12	1Q	0.28	0/1143	0.45	0/1527
12	2Q	0.26	0/1143	0.42	0/1527
13	1R	0.25	0/982	0.47	0/1312
13	2R	0.24	0/982	0.44	0/1312
14	1S	0.26	0/883	0.45	0/1176
14	2S	0.25	0/880	0.44	0/1172
15	1T	0.26	0/1105	0.45	0/1477
15	2T	0.25	0/1097	0.43	0/1468
16	1U	0.28	0/977	0.43	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
16	2U	0.25	0/977	0.38	0/1301
17	1V	0.32	0/782	0.50	0/1049
17	2V	0.27	0/782	0.48	0/1049
18	1W	0.28	0/897	0.47	0/1205
18	2W	0.25	0/897	0.43	0/1205
19	1X	0.29	0/764	0.50	0/1025
19	2X	0.25	0/764	0.45	0/1025
20	1Y	0.28	0/819	0.49	0/1095
20	2Y	0.27	0/819	0.47	0/1095
21	1Z	0.27	0/1267	0.46	0/1717
21	2Z	0.26	0/1299	0.48	0/1763
22	10	0.28	0/662	0.48	0/881
22	20	0.27	0/662	0.48	0/881
23	11	0.32	0/762	0.49	0/1014
23	21	0.26	0/762	0.48	0/1014
24	12	0.26	0/590	0.40	0/781
24	22	0.24	0/590	0.37	0/781
25	13	0.26	0/474	0.48	0/635
25	23	0.24	0/469	0.42	0/630
26	14	0.33	0/565	0.54	0/761
26	24	0.27	0/545	0.50	0/737
27	15	0.27	0/469	0.50	0/635
27	25	0.27	0/469	0.45	0/635
28	16	0.27	0/460	0.48	0/613
28	26	0.26	0/456	0.47	0/608
29	17	0.27	0/426	0.45	0/561
29	27	0.25	0/426	0.47	0/561
30	18	0.27	0/525	0.50	0/691
30	28	0.25	0/525	0.44	0/691
31	19	0.27	0/310	0.48	0/407
31	29	0.24	0/310	0.49	0/407
32	1a	0.25	0/35795	0.79	22/55864 (0.0%)
32	2a	0.26	3/35886 (0.0%)	0.83	29/56005 (0.1%)
33	1b	0.25	0/1881	0.45	0/2542
33	2b	0.26	0/1860	0.46	0/2518
34	1c	0.25	0/1572	0.43	0/2126
34	2c	0.25	0/1566	0.45	0/2119
35	1d	0.25	0/1685	0.42	0/2262
35	2d	0.25	0/1704	0.44	0/2284
36	1e	0.26	0/1145	0.47	0/1543
36	2e	0.27	0/1149	0.48	0/1548
37	1f	0.25	0/823	0.44	0/1115
37	2f	0.25	0/829	0.43	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
38	1g	0.24	0/1250	0.41	0/1679
38	2g	0.26	0/1254	0.44	0/1683
39	1h	0.25	0/1108	0.45	0/1494
39	2h	0.25	0/1108	0.43	0/1494
40	1i	0.26	0/1002	0.46	0/1346
40	2i	0.26	0/997	0.45	0/1343
41	1j	0.24	0/722	0.45	0/982
41	2j	0.25	0/727	0.48	0/988
42	1k	0.25	0/844	0.44	0/1145
42	2k	0.25	0/848	0.43	0/1149
43	1l	0.26	0/937	0.49	0/1260
43	2l	0.26	0/937	0.46	0/1260
44	1m	0.26	0/969	0.47	0/1302
44	2m	0.25	0/961	0.47	0/1291
45	1n	0.26	0/501	0.43	0/664
45	2n	0.26	0/501	0.42	0/664
46	1o	0.24	0/739	0.40	0/985
46	2o	0.24	0/739	0.40	0/985
47	1p	0.24	0/697	0.44	0/939
47	2p	0.24	0/693	0.45	0/935
48	1q	0.24	0/836	0.44	0/1117
48	2q	0.25	0/836	0.45	0/1117
49	1r	0.25	0/560	0.42	0/746
49	2r	0.24	0/560	0.40	0/746
50	1s	0.25	0/667	0.51	0/900
50	2s	0.24	0/661	0.48	0/893
51	1t	0.24	0/730	0.40	0/965
51	2t	0.23	0/729	0.39	0/965
52	1u	0.23	0/203	0.42	0/266
52	2u	0.26	0/203	0.46	0/266
53	1v	0.25	0/310	0.80	0/480
53	2v	0.34	0/310	0.83	0/480
54	1w	0.41	1/1559 (0.1%)	0.99	1/2424 (0.0%)
54	1y	0.39	1/1606 (0.1%)	0.93	2/2497 (0.1%)
54	2w	0.32	0/1487	0.99	0/2311
54	2y	0.40	1/1583 (0.1%)	0.91	0/2459
55	1x	0.38	0/1725	1.01	12/2689 (0.4%)
55	2x	0.32	0/1725	0.94	2/2689 (0.1%)
All	All	0.27	8/316570 (0.0%)	0.73	105/473933 (0.0%)

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

sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
26	24	0	2

The worst 5 of 8 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2B	1	U	OP3-P	-10.45	1.48	1.61
54	1y	1	G	OP3-P	-10.37	1.48	1.61
54	2y	1	G	OP3-P	-10.37	1.48	1.61
54	1w	1	G	OP3-P	-10.33	1.48	1.61
2	1B	1	U	OP3-P	-10.29	1.48	1.61

The worst 5 of 105 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1263	C	N1-C2-O2	19.01	130.31	118.90
32	2a	1272	G	N3-C2-N2	18.64	132.95	119.90
32	2a	1272	G	C5-C6-O6	17.98	139.39	128.60
32	2a	1272	G	N1-C2-N2	-15.35	102.39	116.20
32	2a	1263	C	C2-N3-C4	12.95	126.37	119.90

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
26	24	56	VAL	Peptide
26	24	63	TYR	Peptide

## 5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31191	624	0
1	2A	60322	0	30426	724	0
2	1B	2577	0	1305	20	0
2	2B	2575	0	1303	31	0
3	1D	2136	0	2218	41	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	2D	2136	0	2218	30	0
4	1E	1559	0	1618	32	0
4	2E	1559	0	1618	26	0
5	1F	1584	0	1625	34	0
5	2F	1580	0	1619	39	0
6	1G	1423	0	1436	30	0
6	2G	1428	0	1438	33	0
7	1H	1330	0	1407	32	0
7	2H	1330	0	1407	27	0
8	1I	1097	0	1140	22	0
8	2I	1064	0	1082	15	0
9	1N	1117	0	1184	20	0
9	2N	1117	0	1184	19	0
10	1O	933	0	996	11	0
10	2O	933	0	996	20	0
11	1P	1135	0	1212	33	0
11	2P	1135	0	1212	24	0
12	1Q	1122	0	1179	16	0
12	2Q	1122	0	1179	25	0
13	1R	968	0	1033	16	0
13	2R	968	0	1033	20	0
14	1S	873	0	927	14	0
14	2S	870	0	923	17	0
15	1T	1091	0	1151	18	0
15	2T	1083	0	1136	21	0
16	1U	959	0	1019	8	0
16	2U	959	0	1019	16	0
17	1V	771	0	830	11	0
17	2V	771	0	830	13	0
18	1W	886	0	940	15	0
18	2W	886	0	940	13	0
19	1X	750	0	814	16	0
19	2X	750	0	814	18	0
20	1Y	806	0	881	18	0
20	2Y	806	0	881	15	0
21	1Z	1240	0	1240	10	0
21	2Z	1271	0	1273	21	0
22	10	653	0	674	10	0
22	20	653	0	674	11	0
23	11	755	0	826	13	0
23	21	755	0	826	15	0
24	12	588	0	643	11	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
24	22	588	0	643	11	0
25	13	469	0	518	8	0
25	23	464	0	514	11	0
26	14	552	0	533	14	0
26	24	532	0	503	15	0
27	15	455	0	465	8	0
27	25	455	0	465	10	0
28	16	453	0	473	7	0
28	26	449	0	469	10	0
29	17	418	0	467	6	0
29	27	418	0	467	5	0
30	18	517	0	582	17	0
30	28	517	0	582	18	0
31	19	307	0	335	4	0
31	29	307	0	335	10	0
32	1a	32246	0	16295	0	0
32	2a	32327	0	16339	0	0
33	1b	1846	0	1867	0	0
33	2b	1825	0	1828	0	0
34	1c	1548	0	1535	0	0
34	2c	1542	0	1517	0	0
35	1d	1655	0	1672	0	0
35	2d	1674	0	1714	0	0
36	1e	1129	0	1185	0	0
36	2e	1133	0	1191	0	0
37	1f	810	0	804	0	0
37	2f	816	0	808	0	0
38	1g	1231	0	1238	0	0
38	2g	1235	0	1249	0	0
39	1h	1088	0	1126	0	0
39	2h	1088	0	1126	0	0
40	1i	983	0	986	0	0
40	2i	978	0	966	0	0
41	1j	709	0	650	0	0
41	2j	714	0	672	0	0
42	1k	829	0	825	0	0
42	2k	833	0	836	0	0
43	1l	932	0	981	0	0
43	2l	932	0	981	0	0
44	1m	958	0	1002	0	0
44	2m	950	0	988	0	0
45	1n	492	0	529	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
45	2n	492	0	529	0	0
46	1o	728	0	760	0	0
46	2o	728	0	760	0	0
47	1p	681	0	697	0	0
47	2p	677	0	686	0	0
48	1q	823	0	891	0	0
48	2q	823	0	891	0	0
49	1r	555	0	618	0	0
49	2r	555	0	618	0	0
50	1s	652	0	662	0	0
50	2s	646	0	644	0	0
51	1t	728	0	798	0	0
51	2t	727	0	796	0	0
52	1u	199	0	208	0	0
52	2u	199	0	208	0	0
53	1v	277	0	140	0	0
53	2v	277	0	140	0	0
54	1w	1550	0	797	0	0
54	1y	1585	0	804	0	0
54	2w	1482	0	755	0	0
54	2y	1565	0	795	0	0
55	1x	1625	0	829	0	0
55	2x	1625	0	829	0	0
56	10	8	0	0	0	0
56	11	4	0	0	0	0
56	12	2	0	0	0	0
56	13	1	0	0	0	0
56	15	3	0	0	0	0
56	16	2	0	0	0	0
56	17	3	0	0	0	0
56	18	4	0	0	0	0
56	19	2	0	0	0	0
56	1A	1143	0	0	0	0
56	1B	36	0	0	0	0
56	1D	14	0	0	0	0
56	1E	12	0	0	0	0
56	1F	8	0	0	0	0
56	1G	5	0	0	0	0
56	1I	1	0	0	0	0
56	1N	6	0	0	0	0
56	1O	5	0	0	0	0
56	1P	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1Q	5	0	0	0	0
56	1R	4	0	0	0	0
56	1S	3	0	0	0	0
56	1T	3	0	0	0	0
56	1U	7	0	0	0	0
56	1V	2	0	0	0	0
56	1W	7	0	0	0	0
56	1X	5	0	0	0	0
56	1Y	3	0	0	0	0
56	1Z	4	0	0	0	0
56	1a	235	0	0	0	0
56	1b	2	0	0	0	0
56	1d	1	0	0	0	0
56	1e	1	0	0	0	0
56	1f	2	0	0	0	0
56	1l	3	0	0	0	0
56	1m	1	0	0	0	0
56	1n	2	0	0	0	0
56	1p	1	0	0	0	0
56	1s	1	0	0	0	0
56	1t	1	0	0	0	0
56	1v	1	0	0	0	0
56	1w	11	0	0	0	0
56	1x	15	0	0	0	0
56	1y	5	0	0	0	0
56	20	2	0	0	0	0
56	23	1	0	0	0	0
56	25	4	0	0	0	0
56	26	1	0	0	0	0
56	27	1	0	0	0	0
56	28	1	0	0	0	0
56	2A	876	0	0	0	0
56	2B	21	0	0	0	0
56	2D	7	0	0	0	0
56	2E	7	0	0	0	0
56	2F	4	0	0	0	0
56	2G	1	0	0	0	0
56	2O	1	0	0	0	0
56	2Q	4	0	0	0	0
56	2R	2	0	0	0	0
56	2T	3	0	0	0	0
56	2U	6	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2V	1	0	0	0	0
56	2W	2	0	0	0	0
56	2X	2	0	0	0	0
56	2Z	1	0	0	0	0
56	2a	230	0	0	0	0
56	2d	2	0	0	0	0
56	2e	1	0	0	0	0
56	2f	1	0	0	0	0
56	2g	1	0	0	0	0
56	2j	2	0	0	0	0
56	2l	2	0	0	0	0
56	2p	1	0	0	0	0
56	2q	3	0	0	0	0
56	2r	2	0	0	0	0
56	2t	1	0	0	0	0
56	2v	3	0	0	0	0
56	2w	7	0	0	0	0
56	2x	6	0	0	0	0
56	2y	6	0	0	0	0
57	1A	1	0	0	0	0
57	2A	1	0	0	0	0
58	1A	36	0	0	0	0
58	2A	36	0	0	0	0
59	14	1	0	0	0	0
59	15	1	0	0	0	0
59	16	1	0	0	0	0
59	19	1	0	0	0	0
59	1Y	1	0	0	0	0
59	1n	1	0	0	0	0
59	24	1	0	0	0	0
59	25	1	0	0	0	0
59	26	1	0	0	0	0
59	29	1	0	0	0	0
59	2Y	1	0	0	0	0
59	2n	1	0	0	0	0
60	1d	8	0	0	0	0
60	2d	8	0	0	0	0
61	10	8	0	0	1	0
61	11	14	0	0	2	0
61	12	4	0	0	1	0
61	13	4	0	0	0	0
61	14	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	15	7	0	0	0	0
61	16	4	0	0	0	0
61	17	7	0	0	0	0
61	18	13	0	0	0	0
61	19	3	0	0	0	0
61	1A	2255	0	0	63	0
61	1B	68	0	0	1	0
61	1D	30	0	0	3	0
61	1E	28	0	0	5	0
61	1F	21	0	0	1	0
61	1G	5	0	0	0	0
61	1H	1	0	0	0	0
61	1I	2	0	0	0	0
61	1N	8	0	0	1	0
61	1O	11	0	0	1	0
61	1P	25	0	0	2	0
61	1Q	13	0	0	0	0
61	1R	15	0	0	1	0
61	1S	4	0	0	0	0
61	1T	5	0	0	0	0
61	1U	13	0	0	0	0
61	1V	10	0	0	1	0
61	1W	9	0	0	0	0
61	1X	6	0	0	0	0
61	1Y	5	0	0	0	0
61	1Z	1	0	0	0	0
61	1a	454	0	0	0	0
61	1b	1	0	0	0	0
61	1f	1	0	0	0	0
61	1l	7	0	0	0	0
61	1m	2	0	0	0	0
61	1o	1	0	0	0	0
61	1q	3	0	0	0	0
61	1r	1	0	0	0	0
61	1u	1	0	0	0	0
61	1v	6	0	0	0	0
61	1w	18	0	0	0	0
61	1x	16	0	0	0	0
61	1y	3	0	0	0	0
61	20	5	0	0	0	0
61	21	14	0	0	0	0
61	22	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	23	2	0	0	0	0
61	25	5	0	0	0	0
61	26	1	0	0	0	0
61	27	3	0	0	1	0
61	28	5	0	0	0	0
61	29	1	0	0	0	0
61	2A	1418	0	0	60	0
61	2B	26	0	0	2	0
61	2D	29	0	0	1	0
61	2E	14	0	0	2	0
61	2F	15	0	0	0	0
61	2I	4	0	0	0	0
61	2N	2	0	0	0	0
61	2O	1	0	0	0	0
61	2P	13	0	0	1	0
61	2Q	2	0	0	0	0
61	2R	2	0	0	0	0
61	2T	4	0	0	0	0
61	2U	2	0	0	0	0
61	2V	1	0	0	0	0
61	2W	3	0	0	0	0
61	2X	5	0	0	0	0
61	2Y	1	0	0	0	0
61	2Z	2	0	0	0	0
61	2a	392	0	0	0	0
61	2c	2	0	0	0	0
61	2d	4	0	0	0	0
61	2e	2	0	0	0	0
61	2g	1	0	0	0	0
61	2j	4	0	0	0	0
61	2k	1	0	0	0	0
61	2l	6	0	0	0	0
61	2o	4	0	0	0	0
61	2p	2	0	0	0	0
61	2q	1	0	0	0	0
61	2r	1	0	0	0	0
61	2t	3	0	0	0	0
61	2u	1	0	0	0	0
61	2v	4	0	0	0	0
61	2w	1	0	0	0	0
61	2x	6	0	0	0	0
61	2y	19	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
All	All	300935	0	196636	2116	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 8.

The worst 5 of 2116 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:1128:U:H3	1:1A:1132:A:N6	1.38	1.22
1:1A:1128:U:O4	1:1A:1132:A:N1	1.87	1.04
1:2A:2121:G:H1	1:2A:2177:C:H42	1.05	1.00
1:2A:2129:C:N4	1:2A:2159:G:H1	1.59	1.00
1:2A:1002:G:H1	1:2A:1038:C:N4	42.97	0.99

There are no symmetry-related clashes.

## 5.3 Torsion angles [i](#)

### 5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	258 (94%)	15 (6%)	0	100	100
3	2D	273/276 (99%)	260 (95%)	13 (5%)	0	100	100
4	1E	202/206 (98%)	192 (95%)	9 (4%)	1 (0%)	32	67
4	2E	202/206 (98%)	192 (95%)	8 (4%)	2 (1%)	18	50
5	1F	201/210 (96%)	195 (97%)	5 (2%)	1 (0%)	32	67
5	2F	201/210 (96%)	192 (96%)	9 (4%)	0	100	100
6	1G	179/182 (98%)	163 (91%)	12 (7%)	4 (2%)	8	26
6	2G	179/182 (98%)	164 (92%)	12 (7%)	3 (2%)	11	34
7	1H	172/180 (96%)	160 (93%)	10 (6%)	2 (1%)	15	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
7	2H	172/180 (96%)	154 (90%)	17 (10%)	1 (1%)	28	62
8	1I	144/148 (97%)	129 (90%)	14 (10%)	1 (1%)	25	59
8	2I	144/148 (97%)	124 (86%)	17 (12%)	3 (2%)	8	27
9	1N	138/140 (99%)	134 (97%)	4 (3%)	0	100	100
9	2N	138/140 (99%)	133 (96%)	5 (4%)	0	100	100
10	1O	120/122 (98%)	111 (92%)	8 (7%)	1 (1%)	22	55
10	2O	120/122 (98%)	109 (91%)	11 (9%)	0	100	100
11	1P	147/150 (98%)	139 (95%)	8 (5%)	0	100	100
11	2P	147/150 (98%)	136 (92%)	11 (8%)	0	100	100
12	1Q	139/141 (99%)	128 (92%)	11 (8%)	0	100	100
12	2Q	139/141 (99%)	129 (93%)	9 (6%)	1 (1%)	25	59
13	1R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
13	2R	116/118 (98%)	109 (94%)	7 (6%)	0	100	100
14	1S	108/112 (96%)	104 (96%)	4 (4%)	0	100	100
14	2S	108/112 (96%)	103 (95%)	4 (4%)	1 (1%)	20	52
15	1T	129/146 (88%)	122 (95%)	7 (5%)	0	100	100
15	2T	129/146 (88%)	119 (92%)	10 (8%)	0	100	100
16	1U	114/118 (97%)	113 (99%)	1 (1%)	0	100	100
16	2U	114/118 (97%)	113 (99%)	1 (1%)	0	100	100
17	1V	99/101 (98%)	92 (93%)	6 (6%)	1 (1%)	18	50
17	2V	99/101 (98%)	91 (92%)	7 (7%)	1 (1%)	18	50
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	107 (97%)	3 (3%)	0	100	100
19	1X	93/96 (97%)	89 (96%)	3 (3%)	1 (1%)	17	47
19	2X	93/96 (97%)	91 (98%)	2 (2%)	0	100	100
20	1Y	105/110 (96%)	97 (92%)	6 (6%)	2 (2%)	9	30
20	2Y	105/110 (96%)	97 (92%)	6 (6%)	2 (2%)	9	30
21	1Z	148/206 (72%)	134 (90%)	14 (10%)	0	100	100
21	2Z	156/206 (76%)	132 (85%)	23 (15%)	1 (1%)	28	62
22	10	81/85 (95%)	79 (98%)	2 (2%)	0	100	100
22	20	81/85 (95%)	78 (96%)	3 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
23	11	95/98 (97%)	94 (99%)	1 (1%)	0	100	100
23	21	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
24	12	68/72 (94%)	68 (100%)	0	0	100	100
24	22	68/72 (94%)	64 (94%)	4 (6%)	0	100	100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
25	23	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
26	14	67/71 (94%)	52 (78%)	12 (18%)	3 (4%)	3	9
26	24	67/71 (94%)	57 (85%)	9 (13%)	1 (2%)	12	37
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
29	17	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
29	27	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
30	18	62/65 (95%)	61 (98%)	0	1 (2%)	11	36
30	28	62/65 (95%)	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	229/256 (90%)	193 (84%)	29 (13%)	7 (3%)	5	16
33	2b	229/256 (90%)	202 (88%)	20 (9%)	7 (3%)	5	16
34	1c	204/239 (85%)	185 (91%)	18 (9%)	1 (0%)	32	67
34	2c	204/239 (85%)	184 (90%)	17 (8%)	3 (2%)	12	37
35	1d	206/209 (99%)	196 (95%)	10 (5%)	0	100	100
35	2d	206/209 (99%)	189 (92%)	17 (8%)	0	100	100
36	1e	146/162 (90%)	131 (90%)	12 (8%)	3 (2%)	8	27
36	2e	146/162 (90%)	135 (92%)	11 (8%)	0	100	100
37	1f	98/101 (97%)	93 (95%)	4 (4%)	1 (1%)	18	50
37	2f	98/101 (97%)	97 (99%)	1 (1%)	0	100	100
38	1g	153/156 (98%)	141 (92%)	10 (6%)	2 (1%)	14	41
38	2g	153/156 (98%)	140 (92%)	11 (7%)	2 (1%)	14	41
39	1h	135/138 (98%)	130 (96%)	5 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
39	2h	135/138 (98%)	130 (96%)	5 (4%)	0	100	100
40	1i	125/128 (98%)	110 (88%)	15 (12%)	0	100	100
40	2i	125/128 (98%)	109 (87%)	16 (13%)	0	100	100
41	1j	95/105 (90%)	81 (85%)	10 (10%)	4 (4%)	3	10
41	2j	94/105 (90%)	79 (84%)	10 (11%)	5 (5%)	2	7
42	1k	112/129 (87%)	104 (93%)	7 (6%)	1 (1%)	20	52
42	2k	112/129 (87%)	99 (88%)	10 (9%)	3 (3%)	6	20
43	1l	119/132 (90%)	112 (94%)	7 (6%)	0	100	100
43	2l	119/132 (90%)	108 (91%)	11 (9%)	0	100	100
44	1m	121/126 (96%)	104 (86%)	15 (12%)	2 (2%)	11	34
44	2m	120/126 (95%)	108 (90%)	12 (10%)	0	100	100
45	1n	58/61 (95%)	54 (93%)	4 (7%)	0	100	100
45	2n	58/61 (95%)	53 (91%)	5 (9%)	0	100	100
46	1o	86/89 (97%)	81 (94%)	4 (5%)	1 (1%)	15	44
46	2o	86/89 (97%)	77 (90%)	9 (10%)	0	100	100
47	1p	80/88 (91%)	72 (90%)	7 (9%)	1 (1%)	14	41
47	2p	80/88 (91%)	69 (86%)	10 (12%)	1 (1%)	14	41
48	1q	97/105 (92%)	89 (92%)	8 (8%)	0	100	100
48	2q	97/105 (92%)	87 (90%)	6 (6%)	4 (4%)	3	11
49	1r	66/88 (75%)	60 (91%)	6 (9%)	0	100	100
49	2r	66/88 (75%)	61 (92%)	5 (8%)	0	100	100
50	1s	81/93 (87%)	68 (84%)	11 (14%)	2 (2%)	6	22
50	2s	81/93 (87%)	71 (88%)	9 (11%)	1 (1%)	15	44
51	1t	94/106 (89%)	89 (95%)	3 (3%)	2 (2%)	8	27
51	2t	94/106 (89%)	83 (88%)	8 (8%)	3 (3%)	5	16
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	18 (86%)	3 (14%)	0	100	100
All	All	11370/12128 (94%)	10535 (93%)	745 (7%)	90 (1%)	22	55

5 of 90 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA

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Mol	Chain	Res	Type
6	1G	47	LYS
6	1G	49	ASP
7	1H	126	PRO
8	1I	10	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	215/218 (99%)	205 (95%)	10 (5%)	30	64
3	2D	215/218 (99%)	206 (96%)	9 (4%)	34	68
4	1E	164/166 (99%)	153 (93%)	11 (7%)	19	48
4	2E	164/166 (99%)	154 (94%)	10 (6%)	22	53
5	1F	160/166 (96%)	149 (93%)	11 (7%)	18	46
5	2F	159/166 (96%)	151 (95%)	8 (5%)	28	62
6	1G	143/156 (92%)	137 (96%)	6 (4%)	34	68
6	2G	143/156 (92%)	135 (94%)	8 (6%)	25	57
7	1H	144/148 (97%)	139 (96%)	5 (4%)	41	75
7	2H	144/148 (97%)	139 (96%)	5 (4%)	41	75
8	1I	113/124 (91%)	103 (91%)	10 (9%)	12	33
8	2I	105/124 (85%)	101 (96%)	4 (4%)	38	72
9	1N	118/119 (99%)	112 (95%)	6 (5%)	28	61
9	2N	118/119 (99%)	107 (91%)	11 (9%)	10	30
10	1O	100/100 (100%)	96 (96%)	4 (4%)	36	70
10	2O	100/100 (100%)	99 (99%)	1 (1%)	80	95
11	1P	115/116 (99%)	109 (95%)	6 (5%)	27	60
11	2P	115/116 (99%)	112 (97%)	3 (3%)	51	83
12	1Q	111/111 (100%)	107 (96%)	4 (4%)	40	74
12	2Q	111/111 (100%)	107 (96%)	4 (4%)	40	74

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	1R	101/101 (100%)	91 (90%)	10 (10%)	9	26
13	2R	101/101 (100%)	95 (94%)	6 (6%)	23	54
14	1S	86/88 (98%)	83 (96%)	3 (4%)	41	75
14	2S	85/88 (97%)	84 (99%)	1 (1%)	75	94
15	1T	115/127 (91%)	109 (95%)	6 (5%)	27	60
15	2T	113/127 (89%)	110 (97%)	3 (3%)	50	83
16	1U	93/94 (99%)	90 (97%)	3 (3%)	44	78
16	2U	93/94 (99%)	91 (98%)	2 (2%)	57	87
17	1V	80/82 (98%)	74 (92%)	6 (8%)	16	41
17	2V	80/82 (98%)	73 (91%)	7 (9%)	12	33
18	1W	90/92 (98%)	84 (93%)	6 (7%)	19	48
18	2W	90/92 (98%)	90 (100%)	0	100	100
19	1X	77/78 (99%)	77 (100%)	0	100	100
19	2X	77/78 (99%)	75 (97%)	2 (3%)	51	83
20	1Y	85/91 (93%)	80 (94%)	5 (6%)	23	54
20	2Y	85/91 (93%)	80 (94%)	5 (6%)	23	54
21	1Z	135/179 (75%)	124 (92%)	11 (8%)	14	37
21	2Z	137/179 (76%)	131 (96%)	6 (4%)	33	67
22	10	65/67 (97%)	63 (97%)	2 (3%)	45	79
22	20	65/67 (97%)	63 (97%)	2 (3%)	45	79
23	11	80/83 (96%)	76 (95%)	4 (5%)	28	62
23	21	80/83 (96%)	77 (96%)	3 (4%)	38	72
24	12	65/67 (97%)	63 (97%)	2 (3%)	45	79
24	22	65/67 (97%)	63 (97%)	2 (3%)	45	79
25	13	51/52 (98%)	48 (94%)	3 (6%)	23	54
25	23	50/52 (96%)	47 (94%)	3 (6%)	22	54
26	14	59/63 (94%)	53 (90%)	6 (10%)	8	25
26	24	53/63 (84%)	47 (89%)	6 (11%)	7	20
27	15	50/52 (96%)	47 (94%)	3 (6%)	22	54
27	25	50/52 (96%)	46 (92%)	4 (8%)	14	38
28	16	51/52 (98%)	49 (96%)	2 (4%)	37	71

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
28	26	50/52 (96%)	49 (98%)	1 (2%)	60	88
29	17	41/42 (98%)	38 (93%)	3 (7%)	16	42
29	27	41/42 (98%)	39 (95%)	2 (5%)	29	62
30	18	54/55 (98%)	51 (94%)	3 (6%)	25	57
30	28	54/55 (98%)	50 (93%)	4 (7%)	16	42
31	19	34/34 (100%)	33 (97%)	1 (3%)	48	81
31	29	34/34 (100%)	33 (97%)	1 (3%)	48	81
33	1b	192/220 (87%)	189 (98%)	3 (2%)	68	91
33	2b	187/220 (85%)	178 (95%)	9 (5%)	30	63
34	1c	142/188 (76%)	139 (98%)	3 (2%)	59	88
34	2c	140/188 (74%)	138 (99%)	2 (1%)	71	92
35	1d	169/181 (93%)	162 (96%)	7 (4%)	35	69
35	2d	173/181 (96%)	168 (97%)	5 (3%)	48	81
36	1e	113/123 (92%)	107 (95%)	6 (5%)	26	59
36	2e	114/123 (93%)	110 (96%)	4 (4%)	41	75
37	1f	84/90 (93%)	84 (100%)	0	100	100
37	2f	85/90 (94%)	82 (96%)	3 (4%)	41	75
38	1g	119/127 (94%)	115 (97%)	4 (3%)	42	76
38	2g	120/127 (94%)	117 (98%)	3 (2%)	53	84
39	1h	114/119 (96%)	110 (96%)	4 (4%)	41	75
39	2h	114/119 (96%)	107 (94%)	7 (6%)	22	53
40	1i	90/99 (91%)	86 (96%)	4 (4%)	33	67
40	2i	89/99 (90%)	84 (94%)	5 (6%)	25	57
41	1j	66/92 (72%)	64 (97%)	2 (3%)	46	80
41	2j	69/92 (75%)	67 (97%)	2 (3%)	48	81
42	1k	82/99 (83%)	81 (99%)	1 (1%)	75	94
42	2k	83/99 (84%)	80 (96%)	3 (4%)	40	74
43	1l	96/108 (89%)	92 (96%)	4 (4%)	34	68
43	2l	96/108 (89%)	93 (97%)	3 (3%)	45	79
44	1m	93/101 (92%)	91 (98%)	2 (2%)	57	87
44	2m	92/101 (91%)	91 (99%)	1 (1%)	78	94

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
45	1n	49/50 (98%)	43 (88%)	6 (12%)	6	17
45	2n	49/50 (98%)	44 (90%)	5 (10%)	8	25
46	1o	78/80 (98%)	78 (100%)	0	100	100
46	2o	78/80 (98%)	77 (99%)	1 (1%)	73	93
47	1p	69/74 (93%)	66 (96%)	3 (4%)	33	67
47	2p	68/74 (92%)	62 (91%)	6 (9%)	12	33
48	1q	94/97 (97%)	93 (99%)	1 (1%)	78	94
48	2q	94/97 (97%)	93 (99%)	1 (1%)	78	94
49	1r	59/77 (77%)	58 (98%)	1 (2%)	66	90
49	2r	59/77 (77%)	56 (95%)	3 (5%)	28	61
50	1s	69/80 (86%)	66 (96%)	3 (4%)	33	67
50	2s	67/80 (84%)	65 (97%)	2 (3%)	46	80
51	1t	70/82 (85%)	69 (99%)	1 (1%)	71	92
51	2t	70/82 (85%)	69 (99%)	1 (1%)	71	92
52	1u	18/22 (82%)	17 (94%)	1 (6%)	25	57
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	8906 (96%)	397 (4%)	33	67

5 of 397 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
40	1i	75	ASP
4	2E	101	ARG
40	2i	65	VAL
41	1j	55	LYS
48	1q	68	ARG

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 76 such sidechains are listed below:

Mol	Chain	Res	Type
50	1s	69	HIS
12	2Q	12	GLN
41	2j	56	HIS
50	1s	83	HIS
4	2E	48	GLN

### 5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2861/2915 (98%)	450 (15%)	29 (1%)
1	2A	2788/2915 (95%)	473 (16%)	20 (0%)
2	1B	120/121 (99%)	9 (7%)	1 (0%)
2	2B	118/121 (97%)	28 (23%)	0
32	1a	1494/1521 (98%)	242 (16%)	0
32	2a	1498/1521 (98%)	288 (19%)	0
53	1v	12/24 (50%)	2 (16%)	0
53	2v	12/24 (50%)	3 (25%)	0
54	1w	69/76 (90%)	22 (31%)	0
54	1y	71/76 (93%)	22 (30%)	0
54	2w	65/76 (85%)	20 (30%)	0
54	2y	69/76 (90%)	21 (30%)	0
55	1x	75/77 (97%)	13 (17%)	0
55	2x	75/77 (97%)	12 (16%)	0
All	All	9327/9620 (96%)	1605 (17%)	50 (0%)

5 of 1605 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	13	A
1	1A	14	A
1	1A	15	G
1	1A	34	C

5 of 50 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2156	A
1	1A	2701	U
1	2A	1653	G
1	1A	2203	G
1	1A	2418	U

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

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

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the chemical component dictionary. The Link



column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with  $|Z| > 2$  is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
1	PSU	1A	1933	1	16,21,22	1.33	1 (6%)	20,30,33	3.52	6 (30%)
1	5MU	1A	1937	1	14,22,23	0.71	0	16,32,35	2.26	3 (18%)
1	PSU	1A	1939	1	16,21,22	1.41	1 (6%)	20,30,33	3.49	6 (30%)
1	4OC	1A	1942	1	15,22,24	0.72	0	19,31,35	0.89	1 (5%)
1	5MU	1A	1961	1,56	14,22,23	0.77	1 (7%)	16,32,35	2.16	3 (18%)
1	5MC	1A	1964	1,56	15,22,23	1.33	1 (6%)	17,32,35	1.13	2 (11%)
1	5MC	1A	1984	1	15,22,23	1.43	1 (6%)	17,32,35	1.03	2 (11%)
1	OMG	1A	2263	1,55,56	18,26,27	1.32	2 (11%)	22,38,41	2.09	6 (27%)
1	2MA	1A	2515	1,56	18,25,26	1.53	3 (16%)	17,37,40	1.81	2 (11%)
1	2MU	1A	2564	1,56	14,22,24	0.95	1 (7%)	18,31,36	1.99	1 (5%)
1	PSU	1A	2617	1,56	16,21,22	1.51	2 (12%)	20,30,33	3.62	6 (30%)
32	2MG	1a	1207	32	19,26,27	1.28	2 (10%)	20,38,41	2.38	7 (35%)
32	5MC	1a	1400	32	15,22,23	1.43	1 (6%)	17,32,35	1.08	2 (11%)
32	4OC	1a	1402	32	16,23,24	0.68	0	19,32,35	1.14	1 (5%)
32	5MC	1a	1404	32	15,22,23	1.48	1 (6%)	17,32,35	0.98	1 (5%)
32	5MC	1a	1407	32	15,22,23	1.42	1 (6%)	17,32,35	1.04	2 (11%)
32	UR3	1a	1498	32	14,22,23	0.81	1 (7%)	16,32,35	0.66	0
32	MA6	1a	1518	32	16,26,27	0.98	1 (6%)	18,38,41	2.36	7 (38%)
32	MA6	1a	1519	32	16,26,27	1.07	1 (6%)	18,38,41	2.26	5 (27%)
32	PSU	1a	516	32,56	16,21,22	1.42	2 (12%)	20,30,33	3.44	6 (30%)
32	7MG	1a	527	32,56	20,26,27	1.73	2 (10%)	22,39,42	2.75	5 (22%)
32	M2G	1a	966	32	20,27,28	1.42	3 (15%)	21,40,43	2.16	5 (23%)
32	5MC	1a	967	32	15,22,23	1.39	1 (6%)	17,32,35	1.01	1 (5%)
43	0TD	1l	92	43	5,9,10	2.93	2 (40%)	3,11,13	6.04	1 (33%)
54	PSU	1w	32	54	16,21,22	1.31	1 (6%)	20,30,33	3.63	6 (30%)
54	MIA	1w	37	54	23,31,32	1.75	2 (8%)	25,44,47	1.54	6 (24%)
54	PSU	1w	39	54	16,21,22	1.35	1 (6%)	20,30,33	3.41	6 (30%)
54	7MG	1w	46	54	20,26,27	1.55	2 (10%)	22,39,42	3.00	5 (22%)
54	5MU	1w	54	54	14,22,23	0.75	0	16,32,35	2.32	3 (18%)
54	PSU	1w	55	54	16,21,22	1.33	1 (6%)	20,30,33	3.69	6 (30%)
54	4SU	1w	8	54	14,21,22	1.34	2 (14%)	15,30,33	1.55	2 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
55	5MC	1x	32	55	15,22,23	1.46	1 (6%)	17,32,35	1.11	2 (11%)
55	5MU	1x	54	55,56	14,22,23	0.75	0	16,32,35	2.39	2 (12%)
55	PSU	1x	55	55	16,21,22	1.47	1 (6%)	20,30,33	3.59	6 (30%)
55	4SU	1x	8	55	14,21,22	1.42	2 (14%)	15,30,33	2.19	2 (13%)
54	PSU	1y	32	54	16,21,22	1.28	1 (6%)	20,30,33	3.55	6 (30%)
54	MIA	1y	37	54	18,24,32	1.20	2 (11%)	17,35,47	1.83	2 (11%)
54	PSU	1y	39	54	16,21,22	1.28	1 (6%)	20,30,33	3.40	6 (30%)
54	7MG	1y	46	54	20,26,27	1.75	2 (10%)	22,39,42	3.06	7 (31%)
54	5MU	1y	54	54	14,22,23	0.71	0	16,32,35	2.28	3 (18%)
54	PSU	1y	55	54	16,21,22	1.32	1 (6%)	20,30,33	3.51	7 (35%)
54	4SU	1y	8	54	14,21,22	1.28	1 (7%)	15,30,33	1.41	2 (13%)
1	PSU	2A	1911	1	16,21,22	1.35	1 (6%)	20,30,33	3.56	7 (35%)
1	5MU	2A	1915	1	14,22,23	0.72	0	16,32,35	2.26	3 (18%)
1	PSU	2A	1917	1	16,21,22	1.43	1 (6%)	20,30,33	3.60	6 (30%)
1	4OC	2A	1920	1	15,22,24	0.71	0	19,31,35	0.87	1 (5%)
1	5MU	2A	1939	1,56	14,22,23	0.72	0	16,32,35	2.18	3 (18%)
1	5MC	2A	1942	1	15,22,23	1.42	1 (6%)	17,32,35	1.02	2 (11%)
1	5MC	2A	1962	1,56	15,22,23	1.40	1 (6%)	17,32,35	1.07	2 (11%)
1	OMG	2A	2251	1,55,56	18,26,27	1.30	2 (11%)	22,38,41	2.05	6 (27%)
1	2MA	2A	2503	1,56	18,25,26	1.57	3 (16%)	17,37,40	1.90	2 (11%)
1	2MU	2A	2552	1,56	14,22,24	0.93	0	18,31,36	1.98	1 (5%)
1	PSU	2A	2605	1	16,21,22	1.34	2 (12%)	20,30,33	3.47	6 (30%)
32	2MG	2a	1207	32	19,26,27	1.30	2 (10%)	20,38,41	2.32	7 (35%)
32	5MC	2a	1400	32	15,22,23	1.40	1 (6%)	17,32,35	1.12	2 (11%)
32	4OC	2a	1402	32	16,23,24	0.68	0	19,32,35	1.16	2 (10%)
32	5MC	2a	1404	32	15,22,23	1.44	1 (6%)	17,32,35	1.09	2 (11%)
32	5MC	2a	1407	32	15,22,23	1.37	1 (6%)	17,32,35	1.11	1 (5%)
32	UR3	2a	1498	32	14,22,23	0.80	0	16,32,35	0.68	0
32	MA6	2a	1518	32	16,26,27	1.03	1 (6%)	18,38,41	2.36	5 (27%)
32	MA6	2a	1519	32	16,26,27	1.04	1 (6%)	18,38,41	2.28	5 (27%)
32	PSU	2a	516	32	16,21,22	1.34	1 (6%)	20,30,33	3.52	7 (35%)
32	7MG	2a	527	32,56	20,26,27	1.66	2 (10%)	22,39,42	2.72	6 (27%)
32	M2G	2a	966	32	20,27,28	1.41	3 (15%)	21,40,43	2.18	5 (23%)
32	5MC	2a	967	32	15,22,23	1.45	1 (6%)	17,32,35	1.02	2 (11%)
43	0TD	2l	92	43	5,9,10	3.08	2 (40%)	3,11,13	6.53	1 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
54	PSU	2w	32	54	16,21,22	1.39	1 (6%)	20,30,33	3.57	6 (30%)
54	MIA	2w	37	54	20,27,32	1.85	3 (15%)	21,39,47	1.57	6 (28%)
54	PSU	2w	39	54	16,21,22	1.30	1 (6%)	20,30,33	3.66	6 (30%)
54	7MG	2w	46	54	20,26,27	1.70	2 (10%)	22,39,42	2.74	5 (22%)
54	5MU	2w	54	54	14,22,23	0.72	0	16,32,35	2.34	2 (12%)
54	PSU	2w	55	54	16,21,22	1.24	1 (6%)	20,30,33	3.72	6 (30%)
54	4SU	2w	8	54	14,21,22	1.28	1 (7%)	15,30,33	1.33	2 (13%)
55	5MC	2x	32	55	15,22,23	1.42	1 (6%)	17,32,35	1.10	1 (5%)
55	5MU	2x	54	55	14,22,23	0.75	0	16,32,35	2.18	3 (18%)
55	PSU	2x	55	55,56	16,21,22	1.39	1 (6%)	20,30,33	3.57	7 (35%)
55	4SU	2x	8	55	14,21,22	1.32	2 (14%)	15,30,33	2.05	2 (13%)
54	PSU	2y	32	54	16,21,22	1.28	1 (6%)	20,30,33	3.57	6 (30%)
54	MIA	2y	37	54	18,24,32	1.18	2 (11%)	17,35,47	1.88	2 (11%)
54	PSU	2y	39	54	16,21,22	1.36	1 (6%)	20,30,33	3.48	6 (30%)
54	7MG	2y	46	54	20,26,27	1.75	2 (10%)	22,39,42	3.14	7 (31%)
54	5MU	2y	54	54	14,22,23	0.67	0	16,32,35	2.69	2 (12%)
54	PSU	2y	55	54	16,21,22	1.31	1 (6%)	20,30,33	3.52	7 (35%)
54	4SU	2y	8	54,56	14,21,22	1.32	1 (7%)	15,30,33	1.44	2 (13%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	0/3/25/26	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	0/5/27/30	0/2/2/2
1	5MU	1A	1961	1,56	-	0/3/25/26	0/2/2/2
1	5MC	1A	1964	1,56	-	0/3/25/26	0/2/2/2
1	5MC	1A	1984	1	-	0/3/25/26	0/2/2/2
1	OMG	1A	2263	1,55,56	-	0/5/27/28	0/3/3/3
1	2MA	1A	2515	1,56	-	0/3/25/26	0/3/3/3
1	2MU	1A	2564	1,56	-	0/5/27/28	0/2/2/2
1	PSU	1A	2617	1,56	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	1a	1400	32	-	0/3/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	4OC	1a	1402	32	-	0/7/29/30	0/2/2/2
32	5MC	1a	1404	32	-	0/3/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/3/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/3/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	1a	1519	32	-	0/7/29/30	0/3/3/3
32	PSU	1a	516	32,56	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32,56	-	0/7/37/38	0/3/3/3
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	1a	967	32	-	0/3/25/26	0/2/2/2
43	0TD	1l	92	43	-	0/2/12/14	0/0/0/0
54	PSU	1w	32	54	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	0/11/33/34	0/3/3/3
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	0/7/37/38	0/3/3/3
54	5MU	1w	54	54	-	0/3/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/3/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/3/25/26	0/2/2/2
55	5MU	1x	54	55,56	-	0/3/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/3/25/26	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
54	MIA	1y	37	54	-	0/3/25/34	0/3/3/3
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	0/7/37/38	0/3/3/3
54	5MU	1y	54	54	-	0/3/25/26	0/2/2/2
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	0/3/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/3/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/5/27/30	0/2/2/2
1	5MU	2A	1939	1,56	-	0/3/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/3/25/26	0/2/2/2
1	5MC	2A	1962	1,56	-	0/3/25/26	0/2/2/2
1	OMG	2A	2251	1,55,56	-	0/5/27/28	0/3/3/3
1	2MA	2A	2503	1,56	-	0/3/25/26	0/3/3/3
1	2MU	2A	2552	1,56	-	0/5/27/28	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	2a	1400	32	-	0/3/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	4OC	2a	1402	32	-	0/7/29/30	0/2/2/2
32	5MC	2a	1404	32	-	0/3/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/3/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/3/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	2a	1519	32	-	0/7/29/30	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	32,56	-	0/7/37/38	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	967	32	-	0/3/25/26	0/2/2/2
43	0TD	2l	92	43	-	0/2/12/14	0/0/0/0
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	0/7/29/34	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
54	7MG	2w	46	54	-	0/7/37/38	0/3/3/3
54	5MU	2w	54	54	-	0/3/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/3/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/3/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/3/25/26	0/2/2/2
55	PSU	2x	55	55,56	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/3/25/26	0/2/2/2
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	0/3/25/34	0/3/3/3
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	0/7/37/38	0/3/3/3
54	5MU	2y	54	54	-	0/3/25/26	0/2/2/2
54	PSU	2y	55	54	-	0/7/25/26	0/2/2/2
54	4SU	2y	8	54,56	-	0/3/25/26	0/2/2/2

The worst 5 of 100 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1w	37	MIA	C2-S10	-6.91	1.69	1.75
54	2w	37	MIA	C2-S10	-6.60	1.70	1.75
43	2l	92	0TD	CB-SB	-5.91	1.69	1.84
43	1l	92	0TD	CB-SB	-5.75	1.69	1.84
1	1A	2617	PSU	C5-C1'	-4.57	1.48	1.52

The worst 5 of 322 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	2l	92	0TD	CSB-SB-CB	-11.11	80.88	101.60
43	1l	92	0TD	CSB-SB-CB	-10.21	82.56	101.60
54	2w	39	PSU	N1-C2-N3	-9.91	121.27	128.40
1	1A	2617	PSU	N1-C2-N3	-9.63	121.47	128.40
1	2A	2605	PSU	N1-C2-N3	-9.44	121.61	128.40

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

8 monomers are involved in 9 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	1A	1939	PSU	1	0
1	1A	1961	5MU	2	0
1	1A	2564	2MU	1	0
1	2A	1915	5MU	1	0
1	2A	1917	PSU	1	0
1	2A	1920	4OC	1	0
1	2A	2503	2MA	1	0
1	2A	2552	2MU	1	0

## 5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 5.6 Ligand geometry [i](#)

Of 2821 ligands modelled in this entry, 2817 are monoatomic - leaving 4 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with  $|Z| > 2$  is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
58	M2D	1A	4118	-	33,37,37	3.86	14 (42%)	39,50,50	1.84	7 (17%)
60	SF4	1d	501	35	0,12,12	0.00	-	0,24,24	0.00	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
58	M2D	2A	3864	-	33,37,37	4.02	13 (39%)	39,50,50	1.77	8 (20%)
60	SF4	2d	302	35	0,12,12	0.00	-	0,24,24	0.00	-

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
58	M2D	1A	4118	-	-	0/42/48/48	0/0/2/2
60	SF4	1d	501	35	-	0/0/48/48	0/6/5/5
58	M2D	2A	3864	-	-	0/42/48/48	0/0/2/2
60	SF4	2d	302	35	-	0/0/48/48	0/6/5/5

The worst 5 of 27 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
58	2A	3864	M2D	CAP-CAQ	-16.22	1.39	1.49
58	1A	4118	M2D	CAP-CAQ	-15.16	1.39	1.49
58	2A	3864	M2D	CAM-CAL	-7.46	1.40	1.50
58	2A	3864	M2D	CAT-CAY	-7.36	1.33	1.50
58	1A	4118	M2D	CAT-CAY	-7.25	1.33	1.50

The worst 5 of 15 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
58	2A	3864	M2D	CAB-OAA-C	-2.64	113.42	117.85
58	2A	3864	M2D	CAC-CAB-CAZ	-2.44	109.97	115.98
58	1A	4118	M2D	OBC-CAF-CAE	-2.33	118.53	122.88
58	1A	4118	M2D	CAN-CAO-CAP	-2.30	108.66	112.97
58	2A	3864	M2D	OBC-CAF-CAE	-2.09	118.98	122.88

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 ⓘ

There are no such residues in this entry.

## 5.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.



## 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, 95<sup>th</sup> 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 <sup>2</sup> )	Q<0.9
1	1A	2860/2915 (98%)	0.58	12 (0%) 92 90	10, 26, 82, 97	0
1	2A	2789/2915 (95%)	0.49	39 (1%) 75 69	25, 51, 82, 96	0
2	1B	120/121 (99%)	0.32	0 100 100	19, 38, 50, 74	0
2	2B	120/121 (99%)	0.21	0 100 100	55, 70, 76, 82	0
3	1D	275/276 (99%)	0.46	2 (0%) 87 83	12, 29, 43, 62	0
3	2D	275/276 (99%)	0.68	10 (3%) 43 32	25, 43, 56, 69	0
4	1E	204/206 (99%)	0.33	0 100 100	11, 29, 48, 68	0
4	2E	204/206 (99%)	0.35	2 (0%) 82 77	29, 51, 62, 71	0
5	1F	203/210 (96%)	0.21	0 100 100	12, 32, 62, 75	0
5	2F	203/210 (96%)	0.38	5 (2%) 58 47	28, 58, 70, 80	0
6	1G	181/182 (99%)	0.11	0 100 100	28, 46, 61, 72	0
6	2G	181/182 (99%)	0.79	24 (13%) 4 2	59, 69, 78, 88	0
7	1H	174/180 (96%)	0.10	0 100 100	24, 42, 54, 60	0
7	2H	174/180 (96%)	0.70	9 (5%) 28 19	55, 72, 81, 84	0
8	1I	146/148 (98%)	0.10	0 100 100	35, 63, 72, 78	0
8	2I	146/148 (98%)	0.06	1 (0%) 87 83	44, 62, 72, 76	0
9	1N	140/140 (100%)	0.21	0 100 100	15, 27, 47, 57	0
9	2N	140/140 (100%)	0.50	6 (4%) 36 26	40, 57, 67, 74	0
10	1O	122/122 (100%)	0.34	0 100 100	20, 30, 45, 55	0
10	2O	122/122 (100%)	0.59	3 (2%) 58 47	38, 53, 63, 68	0
11	1P	149/150 (99%)	0.27	0 100 100	12, 36, 59, 70	0
11	2P	149/150 (99%)	0.73	10 (6%) 19 11	31, 59, 71, 79	0
12	1Q	141/141 (100%)	0.34	0 100 100	19, 32, 44, 66	0
12	2Q	141/141 (100%)	0.72	10 (7%) 17 9	44, 60, 73, 77	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
13	1R	118/118 (100%)	0.37	0 100 100	14, 24, 36, 43	0
13	2R	118/118 (100%)	0.37	1 (0%) 86 81	33, 44, 55, 64	0
14	1S	110/112 (98%)	0.12	0 100 100	27, 38, 50, 59	0
14	2S	110/112 (98%)	0.57	6 (5%) 26 17	55, 65, 71, 75	0
15	1T	131/146 (89%)	0.18	0 100 100	23, 33, 55, 64	0
15	2T	131/146 (89%)	0.45	2 (1%) 74 67	41, 55, 68, 81	0
16	1U	116/118 (98%)	0.40	1 (0%) 84 79	12, 19, 37, 59	0
16	2U	116/118 (98%)	0.59	3 (2%) 56 45	38, 53, 68, 76	0
17	1V	101/101 (100%)	0.16	0 100 100	12, 27, 43, 51	0
17	2V	101/101 (100%)	0.36	4 (3%) 39 28	39, 60, 69, 78	0
18	1W	112/113 (99%)	0.28	0 100 100	15, 21, 44, 69	0
18	2W	112/113 (99%)	0.43	0 100 100	30, 41, 55, 81	0
19	1X	95/96 (98%)	0.31	0 100 100	17, 29, 46, 63	0
19	2X	95/96 (98%)	0.50	1 (1%) 80 74	37, 53, 62, 68	0
20	1Y	107/110 (97%)	0.18	0 100 100	26, 40, 55, 72	0
20	2Y	107/110 (97%)	0.79	8 (7%) 15 8	51, 61, 69, 75	0
21	1Z	154/206 (74%)	0.14	0 100 100	30, 50, 75, 82	0
21	2Z	160/206 (77%)	0.79	14 (8%) 11 5	61, 73, 81, 84	0
22	10	83/85 (97%)	1.07	7 (8%) 12 6	19, 28, 59, 80	0
22	20	83/85 (97%)	0.97	8 (9%) 9 5	46, 57, 69, 78	0
23	11	97/98 (98%)	0.50	1 (1%) 82 77	15, 35, 58, 63	0
23	21	97/98 (98%)	0.58	2 (2%) 64 54	32, 49, 67, 71	0
24	12	70/72 (97%)	0.28	1 (1%) 75 69	25, 39, 50, 69	0
24	22	70/72 (97%)	0.22	1 (1%) 75 69	49, 60, 69, 73	0
25	13	59/60 (98%)	0.18	0 100 100	15, 26, 46, 64	0
25	23	59/60 (98%)	0.93	9 (15%) 2 1	46, 56, 70, 78	0
26	14	69/71 (97%)	-0.02	0 100 100	40, 59, 76, 82	0
26	24	69/71 (97%)	0.58	7 (10%) 8 4	64, 75, 83, 84	0
27	15	59/60 (98%)	0.32	1 (1%) 70 63	11, 22, 41, 58	0
27	25	59/60 (98%)	0.29	0 100 100	31, 44, 54, 65	0
28	16	53/54 (98%)	0.19	0 100 100	22, 32, 46, 48	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
28	26	53/54 (98%)	0.76	5 (9%) 9 5	43, 53, 61, 66	0
29	17	48/49 (97%)	0.59	3 (6%) 21 13	13, 19, 51, 54	0
29	27	48/49 (97%)	1.09	6 (12%) 4 2	26, 33, 54, 65	0
30	18	64/65 (98%)	0.45	2 (3%) 49 38	17, 24, 32, 43	0
30	28	64/65 (98%)	0.89	6 (9%) 9 5	39, 47, 55, 57	0
31	19	37/37 (100%)	0.35	0 100 100	18, 30, 46, 50	0
31	29	37/37 (100%)	1.37	10 (27%) 1 0	51, 63, 68, 70	0
32	1a	1488/1521 (97%)	0.43	14 (0%) 84 79	28, 57, 81, 96	0
32	2a	1491/1521 (98%)	0.56	51 (3%) 46 34	48, 69, 85, 95	0
33	1b	231/256 (90%)	0.45	11 (4%) 31 21	55, 68, 79, 83	0
33	2b	231/256 (90%)	1.00	38 (16%) 2 1	65, 77, 83, 86	0
34	1c	206/239 (86%)	0.35	7 (3%) 46 34	50, 63, 75, 80	0
34	2c	206/239 (86%)	1.04	39 (18%) 1 1	65, 75, 82, 88	0
35	1d	208/209 (99%)	0.69	19 (9%) 10 5	47, 62, 71, 82	0
35	2d	208/209 (99%)	0.85	20 (9%) 9 5	52, 63, 72, 73	0
36	1e	148/162 (91%)	0.45	3 (2%) 65 56	44, 56, 62, 69	0
36	2e	148/162 (91%)	1.00	28 (18%) 1 1	58, 69, 77, 80	0
37	1f	100/101 (99%)	0.24	0 100 100	46, 59, 68, 71	0
37	2f	100/101 (99%)	0.12	2 (2%) 65 56	52, 63, 70, 72	0
38	1g	155/156 (99%)	0.39	12 (7%) 14 8	48, 59, 70, 81	0
38	2g	155/156 (99%)	0.84	25 (16%) 2 1	60, 69, 78, 90	0
39	1h	137/138 (99%)	0.48	3 (2%) 62 52	47, 58, 66, 72	0
39	2h	137/138 (99%)	1.01	18 (13%) 4 2	59, 69, 75, 78	0
40	1i	127/128 (99%)	0.76	11 (8%) 11 6	42, 66, 74, 76	0
40	2i	127/128 (99%)	1.69	50 (39%) 0 0	65, 75, 82, 85	0
41	1j	97/105 (92%)	0.77	13 (13%) 4 2	50, 68, 77, 80	0
41	2j	96/105 (91%)	1.82	34 (35%) 0 0	67, 76, 84, 94	0
42	1k	114/129 (88%)	0.48	0 100 100	36, 54, 65, 69	0
42	2k	114/129 (88%)	0.79	10 (8%) 11 5	44, 65, 72, 75	0
43	1l	121/132 (91%)	0.44	3 (2%) 58 47	38, 46, 58, 65	0
43	2l	121/132 (91%)	0.80	15 (12%) 4 2	49, 61, 69, 74	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
44	1m	123/126 (97%)	0.24	4 (3%) 47 36	44, 57, 67, 72	0
44	2m	122/126 (96%)	1.27	28 (22%) 1 1	60, 72, 77, 82	0
45	1n	60/61 (98%)	0.94	5 (8%) 12 6	52, 58, 65, 71	0
45	2n	60/61 (98%)	2.74	36 (60%) 0 0	69, 75, 81, 84	0
46	1o	88/89 (98%)	0.50	5 (5%) 24 16	41, 55, 65, 69	0
46	2o	88/89 (98%)	0.79	10 (11%) 6 3	50, 64, 71, 77	0
47	1p	82/88 (93%)	0.98	10 (12%) 5 2	49, 60, 68, 73	0
47	2p	82/88 (93%)	0.68	5 (6%) 22 14	48, 60, 68, 70	0
48	1q	99/105 (94%)	0.78	6 (6%) 22 14	44, 56, 66, 70	0
48	2q	99/105 (94%)	1.12	22 (22%) 1 1	56, 64, 71, 74	0
49	1r	68/88 (77%)	0.33	1 (1%) 74 67	45, 56, 68, 74	0
49	2r	68/88 (77%)	0.40	1 (1%) 74 67	55, 63, 70, 77	0
50	1s	83/93 (89%)	0.22	0 100 100	48, 60, 68, 73	0
50	2s	83/93 (89%)	1.49	24 (28%) 1 0	67, 76, 81, 84	0
51	1t	96/106 (90%)	0.63	5 (5%) 28 19	47, 59, 70, 75	0
51	2t	96/106 (90%)	0.66	8 (8%) 12 6	50, 61, 71, 75	0
52	1u	23/27 (85%)	1.76	9 (39%) 0 0	50, 55, 61, 62	0
52	2u	23/27 (85%)	2.25	13 (56%) 0 0	64, 69, 74, 76	0
53	1v	13/24 (54%)	1.15	3 (23%) 1 1	39, 52, 75, 87	0
53	2v	13/24 (54%)	2.30	7 (53%) 0 0	60, 75, 88, 90	0
54	1w	65/76 (85%)	0.76	6 (9%) 10 5	48, 76, 89, 95	0
54	1y	67/76 (88%)	0.55	2 (2%) 51 39	25, 79, 88, 91	0
54	2w	62/76 (81%)	1.48	16 (25%) 1 0	71, 83, 91, 97	0
54	2y	66/76 (86%)	1.16	9 (13%) 3 2	45, 86, 91, 92	0
55	1x	72/77 (93%)	0.39	0 100 100	35, 52, 70, 80	0
55	2x	72/77 (93%)	0.47	0 100 100	55, 70, 80, 83	0
All	All	20870/21748 (95%)	0.56	903 (4%) 36 26	10, 55, 80, 97	0

The worst 5 of 903 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
22	10	6	GLY	9.9
22	10	2	ALA	9.3

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Mol	Chain	Res	Type	RSRZ
22	10	4	LYS	8.8
45	2n	34	TYR	8.5
22	10	5	LYS	8.4

## 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. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95<sup>th</sup> 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	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
1	4OC	1A	1942	21/23	0.96	0.24	-	27,36,42,43	0
32	PSU	2a	516	20/21	0.91	0.22	-	61,68,74,74	0
32	5MC	1a	967	21/22	0.95	0.23	-	38,49,53,55	0
1	5MC	1A	1964	21/22	0.97	0.21	-	24,30,36,39	0
1	OMG	2A	2251	24/25	0.96	0.25	-	34,40,45,47	0
32	MA6	1a	1518	24/25	0.97	0.25	-	25,33,39,39	0
1	OMG	1A	2263	24/25	0.98	0.23	-	13,19,21,24	0
54	MIA	1w	37	29/30	0.96	0.23	-	35,48,55,63	0
55	4SU	2x	8	20/21	0.87	0.16	-	64,75,77,77	0
32	UR3	1a	1498	21/22	0.98	0.23	-	28,35,39,40	0
32	7MG	1a	527	24/25	0.94	0.20	-	39,45,48,52	0
54	PSU	2y	32	20/21	0.80	0.27	-	65,77,84,86	0
32	5MC	1a	1407	21/22	0.98	0.21	-	29,34,39,42	0
32	5MC	2a	1407	21/22	0.95	0.22	-	45,53,58,61	0
1	PSU	2A	1917	20/21	0.91	0.22	-	52,61,72,74	0
1	PSU	1A	1939	20/21	0.95	0.24	-	38,45,50,52	0
54	4SU	1y	8	20/21	0.88	0.19	-	77,82,89,92	0
32	7MG	2a	527	24/25	0.94	0.23	-	51,57,66,74	0
54	PSU	1y	39	20/21	0.90	0.16	-	61,69,75,82	0
54	PSU	1y	55	20/21	0.72	0.25	-	78,86,93,105	0
54	4SU	1w	8	20/21	0.93	0.16	-	65,70,76,79	0
1	2MU	1A	2564	21/23	0.98	0.24	-	14,20,26,28	0
55	4SU	1x	8	20/21	0.94	0.21	-	46,54,68,74	0
54	PSU	1w	55	20/21	0.88	0.20	-	54,67,73,75	0
54	4SU	2y	8	20/21	0.87	0.19	-	79,88,94,100	0
1	5MU	2A	1939	21/22	0.97	0.20	-	30,38,42,42	0
54	5MU	2y	54	21/22	0.74	0.31	-	76,85,92,102	0
32	2MG	2a	1207	24/25	0.87	0.19	-	68,74,82,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
54	7MG	2w	46	24/25	0.81	0.26	-	71,87,94,109	0
1	5MC	2A	1962	21/22	0.95	0.22	-	39,48,55,58	0
32	MA6	1a	1519	24/25	0.98	0.23	-	29,35,39,41	0
32	MA6	2a	1518	24/25	0.96	0.28	-	46,64,67,69	0
1	5MU	2A	1915	21/22	0.91	0.17	-	63,70,76,88	0
54	5MU	1y	54	21/22	0.85	0.26	-	78,82,88,97	0
32	2MG	1a	1207	24/25	0.96	0.17	-	50,59,63,65	0
43	0TD	1l	92	10/11	0.90	0.29	-	38,44,52,72	0
1	PSU	2A	2605	20/21	0.96	0.21	-	26,37,41,42	0
54	7MG	1w	46	24/25	0.78	0.20	-	67,77,94,110	0
32	5MC	1a	1404	21/22	0.96	0.27	-	30,36,40,44	0
54	MIA	2w	37	25/30	0.91	0.28	-	63,70,76,85	0
1	PSU	2A	1911	20/21	0.90	0.18	-	54,62,67,68	0
1	5MU	1A	1961	21/22	0.97	0.24	-	15,21,26,34	0
43	0TD	2l	92	10/11	0.83	0.25	-	52,60,64,75	0
54	PSU	1y	32	20/21	0.86	0.24	-	64,71,75,82	0
54	PSU	2w	55	20/21	0.85	0.20	-	64,79,86,88	0
32	UR3	2a	1498	21/22	0.94	0.28	-	44,57,63,66	0
54	PSU	1w	32	20/21	0.92	0.25	-	54,60,77,78	0
32	M2G	1a	966	25/26	0.97	0.25	-	33,45,55,56	0
32	PSU	1a	516	20/21	0.95	0.19	-	39,50,55,56	0
1	5MC	2A	1942	21/22	0.96	0.20	-	44,52,59,61	0
1	5MU	1A	1937	21/22	0.93	0.20	-	38,48,53,61	0
54	MIA	1y	37	22/30	0.87	0.17	-	62,72,77,85	0
1	5MC	1A	1984	21/22	0.97	0.21	-	20,27,30,40	0
54	PSU	2w	32	20/21	0.89	0.31	-	70,78,89,93	0
54	PSU	2y	39	20/21	0.86	0.32	-	72,77,89,97	0
54	7MG	1y	46	24/25	0.80	0.22	-	73,85,99,104	0
55	5MU	2x	54	21/22	0.92	0.19	-	65,73,79,82	0
54	5MU	2w	54	21/22	0.89	0.16	-	66,71,77,82	0
54	5MU	1w	54	21/22	0.94	0.18	-	46,56,65,71	0
54	7MG	2y	46	24/25	0.69	0.26	-	84,90,96,114	0
32	4OC	1a	1402	22/23	0.97	0.22	-	37,41,51,56	0
55	5MC	1x	32	21/22	0.96	0.23	-	43,50,54,58	0
32	5MC	1a	1400	21/22	0.98	0.20	-	33,44,49,57	0
1	4OC	2A	1920	21/23	0.93	0.20	-	53,60,63,65	0
55	5MU	1x	54	21/22	0.96	0.17	-	50,57,63,68	0
32	5MC	2a	967	21/22	0.92	0.25	-	56,62,70,74	0
54	4SU	2w	8	20/21	0.82	0.22	-	78,86,91,102	0
54	PSU	2w	39	20/21	0.93	0.28	-	63,71,75,79	0
1	PSU	1A	1933	20/21	0.97	0.21	-	33,40,47,48	0
32	4OC	2a	1402	22/23	0.92	0.26	-	52,62,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	5MC	2a	1404	21/22	0.93	0.27	-	50,56,61,66	0
1	2MU	2A	2552	21/23	0.97	0.21	-	32,38,45,57	0
1	2MA	2A	2503	23/24	0.97	0.23	-	26,29,33,34	0
32	MA6	2a	1519	24/25	0.96	0.33	-	46,57,63,65	0
54	MIA	2y	37	22/30	0.78	0.39	-	64,78,97,111	0
1	2MA	1A	2515	23/24	0.98	0.23	-	7,11,15,21	0
54	PSU	1w	39	20/21	0.96	0.23	-	44,55,60,63	0
32	5MC	2a	1400	21/22	0.93	0.31	-	63,66,71,75	0
55	5MC	2x	32	21/22	0.92	0.23	-	57,66,73,74	0
55	PSU	1x	55	20/21	0.96	0.17	-	41,51,60,65	0
1	PSU	1A	2617	20/21	0.98	0.21	-	15,18,23,23	0
32	M2G	2a	966	25/26	0.92	0.29	-	48,59,69,78	0
55	PSU	2x	55	20/21	0.92	0.18	-	66,75,77,78	0
54	PSU	2y	55	20/21	0.69	0.37	-	79,93,100,105	0

### 6.3 Carbohydrates [i](#)

There are no carbohydrates 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. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95<sup>th</sup> 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	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1N	3006	1/1	0.92	0.55	41.88	46,46,46,46	0
56	MG	1A	3415	1/1	0.97	0.42	41.57	23,23,23,23	0
56	MG	1A	3153	1/1	0.92	0.81	34.09	23,23,23,23	0
56	MG	1A	3098	1/1	0.95	0.46	32.96	25,25,25,25	0
56	MG	1A	4109	1/1	0.95	0.99	32.78	32,32,32,32	0
56	MG	1a	3019	1/1	0.96	0.35	28.32	49,49,49,49	0
56	MG	1A	3181	1/1	0.89	0.42	27.77	24,24,24,24	0
56	MG	1A	3186	1/1	0.94	0.64	27.65	31,31,31,31	0
56	MG	1A	3827	1/1	0.94	0.36	23.15	22,22,22,22	0
56	MG	2D	307	1/1	0.84	1.04	22.71	43,43,43,43	0
56	MG	1A	4136	1/1	0.98	0.78	22.19	28,28,28,28	0
56	MG	1A	3089	1/1	0.85	0.24	21.49	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3185	1/1	0.99	0.48	20.15	22,22,22,22	0
56	MG	1A	3162	1/1	0.94	0.76	19.10	32,32,32,32	0
56	MG	1A	3028	1/1	0.94	0.65	19.04	22,22,22,22	0
56	MG	1A	3791	1/1	0.91	0.42	18.63	32,32,32,32	0
56	MG	2A	3143	1/1	0.92	0.49	17.27	51,51,51,51	0
56	MG	2A	3019	1/1	0.95	0.64	17.26	45,45,45,45	0
56	MG	1A	4107	1/1	0.98	0.43	17.13	17,17,17,17	0
56	MG	1A	3839	1/1	0.97	0.42	16.44	30,30,30,30	0
56	MG	1A	3037	1/1	0.95	0.37	16.16	28,28,28,28	0
56	MG	2A	3295	1/1	0.79	0.24	15.49	62,62,62,62	0
56	MG	1A	3562	1/1	0.97	0.62	15.12	26,26,26,26	0
56	MG	1A	3552	1/1	0.90	0.40	15.04	44,44,44,44	0
56	MG	1D	302	1/1	0.95	0.64	14.64	29,29,29,29	0
56	MG	19	101	1/1	0.82	0.48	14.40	33,33,33,33	0
56	MG	1A	4112	1/1	0.92	0.51	14.25	31,31,31,31	0
56	MG	1A	3785	1/1	0.98	0.48	13.51	21,21,21,21	0
56	MG	1A	3366	1/1	0.95	0.47	13.02	24,24,24,24	0
56	MG	2A	3865	1/1	0.94	0.66	12.85	39,39,39,39	0
56	MG	1A	3843	1/1	0.94	0.34	12.53	23,23,23,23	0
56	MG	1A	3036	1/1	0.93	0.51	12.49	25,25,25,25	0
56	MG	1A	3029	1/1	0.97	0.35	12.17	28,28,28,28	0
56	MG	1B	3010	1/1	0.90	0.39	11.73	32,32,32,32	0
56	MG	1A	3413	1/1	0.97	0.33	11.73	32,32,32,32	0
56	MG	1A	3329	1/1	0.94	0.60	11.64	22,22,22,22	0
56	MG	1A	3129	1/1	0.93	0.44	11.40	20,20,20,20	0
56	MG	1A	4123	1/1	0.97	0.36	11.36	18,18,18,18	0
56	MG	1O	3002	1/1	0.95	0.57	11.32	40,40,40,40	0
56	MG	1Y	504	1/1	0.98	0.72	11.20	45,45,45,45	0
56	MG	1X	104	1/1	0.95	0.51	11.16	30,30,30,30	0
56	MG	1A	3828	1/1	0.98	0.35	11.08	21,21,21,21	0
56	MG	1A	4124	1/1	0.96	0.34	10.86	17,17,17,17	0
56	MG	1D	314	1/1	0.95	0.58	10.72	34,34,34,34	0
56	MG	1a	3038	1/1	0.67	0.31	10.61	50,50,50,50	0
56	MG	1A	3461	1/1	0.94	0.37	10.52	40,40,40,40	0
56	MG	1U	207	1/1	0.94	0.43	10.39	22,22,22,22	0
58	M2D	2A	3864	36/36	0.94	0.38	10.26	32,41,50,52	0
56	MG	1A	3118	1/1	0.97	0.44	10.23	29,29,29,29	0
56	MG	1D	304	1/1	0.94	0.63	10.14	48,48,48,48	0
56	MG	1A	4134	1/1	0.95	0.43	10.07	31,31,31,31	0
56	MG	1a	3059	1/1	0.97	0.43	9.84	40,40,40,40	0
56	MG	1A	3559	1/1	0.95	0.68	9.81	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1F	301	1/1	0.96	0.54	9.64	26,26,26,26	0
56	MG	1A	3485	1/1	0.87	0.53	9.51	33,33,33,33	0
56	MG	1A	3182	1/1	0.95	0.36	9.25	25,25,25,25	0
56	MG	1A	4119	1/1	0.98	0.48	9.09	27,27,27,27	0
56	MG	1A	3166	1/1	0.94	0.37	8.64	22,22,22,22	0
56	MG	2A	3609	1/1	0.94	0.39	8.63	35,35,35,35	0
56	MG	1N	3001	1/1	0.93	0.41	8.55	34,34,34,34	0
56	MG	1A	3802	1/1	0.94	0.34	8.54	20,20,20,20	0
56	MG	1A	4121	1/1	0.96	0.46	8.34	23,23,23,23	0
56	MG	1U	201	1/1	0.96	0.41	8.09	22,22,22,22	0
56	MG	2A	3280	1/1	0.84	0.48	8.04	43,43,43,43	0
56	MG	2A	3092	1/1	0.92	0.34	8.03	41,41,41,41	0
56	MG	1A	3159	1/1	0.89	0.27	7.94	26,26,26,26	0
56	MG	15	102	1/1	0.92	0.53	7.85	28,28,28,28	0
56	MG	1A	4020	1/1	0.91	0.46	7.80	44,44,44,44	0
56	MG	2A	3056	1/1	0.67	0.33	7.73	56,56,56,56	0
56	MG	1D	305	1/1	0.96	0.43	7.71	24,24,24,24	0
56	MG	10	105	1/1	0.87	0.41	7.71	30,30,30,30	0
56	MG	1x	115	1/1	0.51	0.31	7.64	62,62,62,62	0
56	MG	2A	3102	1/1	0.97	0.41	7.63	33,33,33,33	0
56	MG	1A	4145	1/1	0.95	0.51	7.58	28,28,28,28	0
56	MG	1A	3872	1/1	0.96	0.29	7.50	12,12,12,12	0
56	MG	1A	3157	1/1	0.95	0.33	7.34	17,17,17,17	0
56	MG	1D	313	1/1	0.86	0.44	7.27	35,35,35,35	0
56	MG	25	103	1/1	0.86	0.61	7.26	47,47,47,47	0
56	MG	1A	3483	1/1	0.90	0.32	7.22	23,23,23,23	0
56	MG	1A	3156	1/1	0.86	0.35	7.14	28,28,28,28	0
56	MG	2A	3675	1/1	0.28	0.44	7.14	63,63,63,63	0
56	MG	2A	3872	1/1	0.98	0.65	7.01	37,37,37,37	0
56	MG	1a	3091	1/1	0.88	0.28	7.00	38,38,38,38	0
56	MG	1U	206	1/1	0.95	0.40	6.71	24,24,24,24	0
56	MG	2a	3096	1/1	0.65	0.40	6.58	62,62,62,62	0
56	MG	1A	4131	1/1	0.91	0.42	6.26	16,16,16,16	0
56	MG	1A	3775	1/1	0.94	0.41	6.26	19,19,19,19	0
56	MG	1A	4094	1/1	0.96	0.32	6.26	22,22,22,22	0
56	MG	1P	202	1/1	0.91	0.49	6.11	16,16,16,16	0
56	MG	18	102	1/1	0.98	0.29	6.11	19,19,19,19	0
56	MG	1F	308	1/1	0.83	0.40	5.89	44,44,44,44	0
56	MG	12	3002	1/1	0.94	0.43	5.66	41,41,41,41	0
56	MG	1D	308	1/1	0.98	0.47	5.60	26,26,26,26	0
56	MG	1A	3395	1/1	0.95	0.29	5.59	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3331	1/1	0.96	0.45	5.55	14,14,14,14	0
56	MG	1A	3772	1/1	0.96	0.30	5.55	14,14,14,14	0
56	MG	1A	3326	1/1	0.90	0.30	5.54	32,32,32,32	0
56	MG	1A	3330	1/1	0.96	0.39	5.53	20,20,20,20	0
56	MG	1a	3063	1/1	0.83	0.34	5.52	41,41,41,41	0
56	MG	1A	3557	1/1	0.98	0.34	5.51	19,19,19,19	0
56	MG	2A	3042	1/1	0.79	0.27	5.45	52,52,52,52	0
56	MG	1a	3036	1/1	0.87	0.29	5.39	40,40,40,40	0
56	MG	2A	3859	1/1	0.94	0.57	5.38	38,38,38,38	0
56	MG	1A	3563	1/1	0.96	0.33	5.36	19,19,19,19	0
56	MG	1A	4110	1/1	0.94	0.34	5.29	31,31,31,31	0
56	MG	1A	3845	1/1	0.76	0.39	5.26	41,41,41,41	0
56	MG	2A	3391	1/1	0.95	0.29	5.26	36,36,36,36	0
56	MG	2A	3458	1/1	0.96	0.31	5.26	40,40,40,40	0
56	MG	1A	3555	1/1	0.94	0.27	5.21	11,11,11,11	0
56	MG	1O	3001	1/1	0.70	0.46	5.16	60,60,60,60	0
56	MG	1A	3120	1/1	0.96	0.30	5.12	16,16,16,16	0
56	MG	2A	3856	1/1	0.90	0.46	5.09	35,35,35,35	0
56	MG	1R	202	1/1	0.94	0.36	5.06	25,25,25,25	0
56	MG	1A	3261	1/1	0.94	0.28	5.04	23,23,23,23	0
56	MG	1a	3089	1/1	0.91	0.27	4.99	37,37,37,37	0
56	MG	1A	3063	1/1	0.97	0.27	4.93	14,14,14,14	0
56	MG	2A	3013	1/1	0.90	0.30	4.87	52,52,52,52	0
56	MG	1A	3464	1/1	0.90	0.37	4.83	29,29,29,29	0
56	MG	2A	3871	1/1	0.87	0.57	4.82	36,36,36,36	0
56	MG	2A	3337	1/1	0.90	0.25	4.80	44,44,44,44	0
56	MG	1a	3016	1/1	0.80	0.24	4.79	51,51,51,51	0
56	MG	1A	3686	1/1	0.94	0.26	4.73	34,34,34,34	0
56	MG	2T	3001	1/1	0.85	0.43	4.71	57,57,57,57	0
56	MG	1A	4144	1/1	0.95	0.39	4.70	27,27,27,27	0
56	MG	1A	4130	1/1	0.98	0.36	4.50	20,20,20,20	0
56	MG	2A	3673	1/1	0.94	0.23	4.44	38,38,38,38	0
56	MG	1A	3103	1/1	0.98	0.35	4.40	18,18,18,18	0
56	MG	1A	4143	1/1	0.97	0.46	4.39	26,26,26,26	0
56	MG	2A	3022	1/1	0.61	0.27	4.24	51,51,51,51	0
56	MG	2V	201	1/1	0.72	0.44	4.16	58,58,58,58	0
56	MG	1A	3847	1/1	0.85	0.30	4.11	26,26,26,26	0
56	MG	1a	3099	1/1	0.90	0.24	3.84	51,51,51,51	0
56	MG	2A	3870	1/1	0.92	0.45	3.83	40,40,40,40	0
58	M2D	1A	4118	36/36	0.96	0.31	3.79	13,19,23,24	0
56	MG	1A	3269	1/1	0.98	0.31	3.71	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3304	1/1	0.94	0.29	3.67	49,49,49,49	0
56	MG	1Z	301	1/1	0.95	0.32	3.55	35,35,35,35	0
56	MG	1A	3167	1/1	0.98	0.30	3.55	20,20,20,20	0
56	MG	1A	3102	1/1	0.99	0.28	3.53	23,23,23,23	0
56	MG	2a	3066	1/1	0.97	0.24	3.52	49,49,49,49	0
56	MG	1A	3561	1/1	0.98	0.29	3.27	16,16,16,16	0
56	MG	2A	3360	1/1	0.98	0.26	3.19	30,30,30,30	0
56	MG	2A	3687	1/1	0.95	0.49	3.14	37,37,37,37	0
56	MG	1A	3345	1/1	0.83	0.31	3.11	34,34,34,34	0
56	MG	2A	3330	1/1	0.91	0.24	3.09	47,47,47,47	0
56	MG	1A	3323	1/1	0.83	0.23	2.82	41,41,41,41	0
56	MG	1A	3586	1/1	0.96	0.25	2.82	16,16,16,16	0
56	MG	1A	3841	1/1	0.97	0.29	2.77	12,12,12,12	0
56	MG	1A	4127	1/1	0.92	0.27	2.73	23,23,23,23	0
56	MG	1A	4132	1/1	0.96	0.28	2.44	29,29,29,29	0
56	MG	2D	306	1/1	0.98	0.42	2.40	34,34,34,34	0
56	MG	1a	3188	1/1	0.85	0.25	2.37	55,55,55,55	0
56	MG	1A	3013	1/1	0.90	0.30	2.34	9,9,9,9	0
56	MG	1A	3071	1/1	0.98	0.27	2.31	26,26,26,26	0
56	MG	1S	3001	1/1	0.99	0.29	2.30	30,30,30,30	0
56	MG	1G	3001	1/1	0.94	0.23	2.20	28,28,28,28	0
56	MG	1a	3094	1/1	0.93	0.24	2.10	39,39,39,39	0
56	MG	1W	201	1/1	0.90	0.32	2.09	28,28,28,28	0
56	MG	2a	3178	1/1	0.83	0.26	2.06	70,70,70,70	0
56	MG	2A	3875	1/1	0.94	0.34	2.05	32,32,32,32	0
56	MG	1D	311	1/1	0.95	0.29	1.96	29,29,29,29	0
56	MG	2U	203	1/1	0.98	0.44	1.95	47,47,47,47	0
56	MG	2U	205	1/1	0.90	0.38	1.81	46,46,46,46	0
56	MG	1A	3591	1/1	0.73	0.23	1.79	38,38,38,38	0
56	MG	1R	203	1/1	0.91	0.28	1.77	30,30,30,30	0
56	MG	2A	3707	1/1	0.87	0.24	1.74	65,65,65,65	0
56	MG	1A	3219	1/1	0.96	0.25	1.72	24,24,24,24	0
56	MG	2A	3315	1/1	0.90	0.24	1.67	40,40,40,40	0
56	MG	2A	3194	1/1	0.95	0.25	1.66	30,30,30,30	0
56	MG	1A	3232	1/1	0.97	0.29	1.60	15,15,15,15	0
56	MG	2A	3112	1/1	0.89	0.25	1.49	34,34,34,34	0
56	MG	1A	3228	1/1	0.92	0.27	1.47	18,18,18,18	0
56	MG	1A	3187	1/1	0.78	0.21	1.44	51,51,51,51	0
56	MG	1a	3194	1/1	0.65	0.23	1.41	55,55,55,55	0
56	MG	2A	3081	1/1	0.96	0.18	1.39	38,38,38,38	0
56	MG	2A	3430	1/1	0.89	0.35	1.38	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	ZN	16	101	1/1	0.98	0.23	1.37	33,33,33,33	0
56	MG	2a	3078	1/1	0.87	0.28	1.36	60,60,60,60	0
56	MG	1X	102	1/1	0.97	0.27	1.31	20,20,20,20	0
56	MG	1A	3065	1/1	0.90	0.27	1.30	20,20,20,20	0
56	MG	1A	3179	1/1	0.98	0.24	1.25	24,24,24,24	0
56	MG	1A	3114	1/1	0.96	0.23	1.23	18,18,18,18	0
56	MG	2A	3407	1/1	0.90	0.22	1.18	45,45,45,45	0
56	MG	1U	204	1/1	0.90	0.28	1.14	22,22,22,22	0
56	MG	1F	303	1/1	0.90	0.26	1.06	14,14,14,14	0
56	MG	1a	3233	1/1	0.98	0.20	1.05	32,32,32,32	0
56	MG	1A	4115	1/1	0.93	0.21	1.05	32,32,32,32	0
56	MG	1A	3097	1/1	0.94	0.27	1.03	15,15,15,15	0
56	MG	2A	3368	1/1	0.93	0.21	0.96	49,49,49,49	0
56	MG	2A	3106	1/1	0.95	0.26	0.94	37,37,37,37	0
56	MG	2A	3851	1/1	0.94	0.27	0.93	43,43,43,43	0
56	MG	2B	3008	1/1	0.88	0.19	0.89	49,49,49,49	0
56	MG	2r	101	1/1	0.92	0.23	0.81	75,75,75,75	0
56	MG	26	502	1/1	0.97	0.40	0.80	62,62,62,62	0
56	MG	2F	304	1/1	0.96	0.31	0.73	46,46,46,46	0
56	MG	1A	3766	1/1	0.69	0.25	0.72	44,44,44,44	0
56	MG	1A	3975	1/1	0.82	0.23	0.71	21,21,21,21	0
56	MG	1A	3099	1/1	0.98	0.25	0.63	24,24,24,24	0
56	MG	1A	3106	1/1	0.93	0.25	0.62	28,28,28,28	0
56	MG	1D	312	1/1	0.90	0.28	0.59	20,20,20,20	0
56	MG	2A	3403	1/1	0.78	0.23	0.58	52,52,52,52	0
56	MG	2A	3587	1/1	0.91	0.24	0.57	68,68,68,68	0
56	MG	2A	3450	1/1	0.97	0.18	0.55	46,46,46,46	0
56	MG	2A	3623	1/1	0.89	0.22	0.54	57,57,57,57	0
56	MG	1A	3522	1/1	0.96	0.24	0.53	26,26,26,26	0
59	ZN	1Y	501	1/1	0.98	0.19	0.53	49,49,49,49	0
56	MG	2A	3364	1/1	0.96	0.26	0.52	34,34,34,34	0
56	MG	1A	3588	1/1	0.92	0.20	0.50	24,24,24,24	0
56	MG	1A	4141	1/1	0.97	0.23	0.49	27,27,27,27	0
56	MG	2A	3359	1/1	0.96	0.26	0.47	43,43,43,43	0
56	MG	1A	3016	1/1	0.96	0.20	0.44	33,33,33,33	0
56	MG	1a	3003	1/1	0.85	0.22	0.40	49,49,49,49	0
56	MG	1A	3532	1/1	0.97	0.21	0.39	29,29,29,29	0
56	MG	1E	311	1/1	0.93	0.22	0.36	41,41,41,41	0
56	MG	2a	3229	1/1	0.82	0.26	0.34	72,72,72,72	0
56	MG	2X	3001	1/1	0.95	0.22	0.33	52,52,52,52	0
56	MG	2a	3103	1/1	0.88	0.16	0.33	68,68,68,68	0
56	MG	2A	3147	1/1	0.94	0.17	0.33	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3905	1/1	0.95	0.19	0.30	43,43,43,43	0
56	MG	1A	3135	1/1	0.97	0.23	0.30	42,42,42,42	0
56	MG	1A	3058	1/1	0.95	0.19	0.27	36,36,36,36	0
56	MG	1A	4120	1/1	0.97	0.25	0.23	23,23,23,23	0
56	MG	2A	3597	1/1	0.77	0.25	0.21	50,50,50,50	0
56	MG	1B	3006	1/1	0.93	0.18	0.20	29,29,29,29	0
56	MG	1N	3004	1/1	0.99	0.22	0.19	27,27,27,27	0
56	MG	1A	3503	1/1	0.93	0.22	0.17	30,30,30,30	0
56	MG	1A	4095	1/1	0.95	0.24	0.17	19,19,19,19	0
56	MG	1b	3002	1/1	0.96	0.19	0.15	54,54,54,54	0
56	MG	1A	3824	1/1	0.97	0.19	0.12	10,10,10,10	0
56	MG	2A	3868	1/1	0.93	0.27	0.11	35,35,35,35	0
56	MG	2A	3120	1/1	0.80	0.20	0.09	56,56,56,56	0
56	MG	1A	4139	1/1	0.97	0.24	0.06	23,23,23,23	0
56	MG	1A	4024	1/1	0.97	0.22	0.04	14,14,14,14	0
56	MG	1A	3051	1/1	0.98	0.20	0.02	25,25,25,25	0
56	MG	1A	3276	1/1	0.99	0.22	0.02	33,33,33,33	0
56	MG	1A	3710	1/1	0.96	0.24	-0.01	22,22,22,22	0
59	ZN	14	501	1/1	0.94	0.18	-0.01	71,71,71,71	0
56	MG	1A	3651	1/1	0.92	0.23	-0.02	12,12,12,12	0
56	MG	1F	302	1/1	0.84	0.20	-0.04	31,31,31,31	0
56	MG	1A	3675	1/1	0.92	0.20	-0.04	32,32,32,32	0
56	MG	2A	3107	1/1	0.96	0.21	-0.05	30,30,30,30	0
59	ZN	15	101	1/1	0.98	0.21	-0.05	37,37,37,37	0
56	MG	1A	3163	1/1	0.95	0.23	-0.06	32,32,32,32	0
56	MG	2a	3027	1/1	0.98	0.26	-0.06	45,45,45,45	0
56	MG	2a	3095	1/1	0.90	0.25	-0.07	59,59,59,59	0
56	MG	2A	3125	1/1	0.76	0.18	-0.08	51,51,51,51	0
56	MG	1A	3061	1/1	0.93	0.20	-0.10	22,22,22,22	0
56	MG	2A	3461	1/1	0.94	0.21	-0.14	30,30,30,30	0
56	MG	1l	201	1/1	0.95	0.18	-0.15	29,29,29,29	0
56	MG	1A	3985	1/1	0.92	0.22	-0.15	20,20,20,20	0
56	MG	2A	3327	1/1	0.92	0.21	-0.16	40,40,40,40	0
56	MG	2A	3069	1/1	0.92	0.21	-0.17	43,43,43,43	0
56	MG	1A	3199	1/1	0.96	0.20	-0.18	37,37,37,37	0
56	MG	1a	3052	1/1	0.91	0.22	-0.18	45,45,45,45	0
56	MG	2A	3844	1/1	0.93	0.21	-0.25	34,34,34,34	0
56	MG	2A	3779	1/1	0.95	0.24	-0.25	27,27,27,27	0
56	MG	2a	3073	1/1	0.91	0.23	-0.25	73,73,73,73	0
56	MG	1A	3404	1/1	0.91	0.27	-0.25	21,21,21,21	0
56	MG	2Z	8001	1/1	0.80	0.23	-0.26	47,47,47,47	0
56	MG	1x	103	1/1	0.88	0.17	-0.26	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3865	1/1	0.92	0.23	-0.29	14,14,14,14	0
56	MG	2Q	204	1/1	0.72	0.27	-0.30	49,49,49,49	0
56	MG	2q	201	1/1	0.96	0.20	-0.31	46,46,46,46	0
56	MG	2A	3067	1/1	0.90	0.20	-0.37	35,35,35,35	0
56	MG	1A	3646	1/1	0.97	0.20	-0.38	15,15,15,15	0
56	MG	1N	3003	1/1	0.93	0.21	-0.40	32,32,32,32	0
56	MG	1A	3289	1/1	0.97	0.20	-0.40	33,33,33,33	0
56	MG	1A	3010	1/1	0.91	0.20	-0.41	22,22,22,22	0
56	MG	1A	3502	1/1	0.69	0.19	-0.41	62,62,62,62	0
56	MG	1a	3028	1/1	0.78	0.21	-0.43	53,53,53,53	0
56	MG	2a	3049	1/1	0.89	0.21	-0.44	79,79,79,79	0
56	MG	2D	303	1/1	0.96	0.21	-0.44	40,40,40,40	0
56	MG	2A	3329	1/1	0.91	0.20	-0.45	29,29,29,29	0
59	ZN	25	101	1/1	0.98	0.17	-0.45	44,44,44,44	0
56	MG	1A	3196	1/1	0.98	0.22	-0.45	21,21,21,21	0
56	MG	1I	3001	1/1	0.91	0.19	-0.45	50,50,50,50	0
56	MG	1D	307	1/1	0.92	0.16	-0.45	41,41,41,41	0
56	MG	2A	3356	1/1	0.92	0.19	-0.46	51,51,51,51	0
56	MG	1U	203	1/1	0.89	0.22	-0.46	22,22,22,22	0
56	MG	1B	3021	1/1	0.88	0.17	-0.47	50,50,50,50	0
56	MG	2I	201	1/1	0.96	0.24	-0.53	53,53,53,53	0
56	MG	2X	3002	1/1	0.93	0.17	-0.54	40,40,40,40	0
56	MG	2U	201	1/1	0.96	0.20	-0.55	39,39,39,39	0
56	MG	1A	3284	1/1	0.92	0.22	-0.56	27,27,27,27	0
56	MG	19	103	1/1	0.96	0.20	-0.57	26,26,26,26	0
59	ZN	26	501	1/1	0.97	0.17	-0.60	55,55,55,55	0
56	MG	1E	310	1/1	0.87	0.20	-0.63	28,28,28,28	0
59	ZN	19	102	1/1	0.99	0.19	-0.64	31,31,31,31	0
56	MG	1A	3763	1/1	0.99	0.21	-0.66	7,7,7,7	0
56	MG	1a	3048	1/1	0.93	0.17	-0.66	52,52,52,52	0
56	MG	1A	3038	1/1	0.90	0.22	-0.69	26,26,26,26	0
56	MG	2D	301	1/1	0.91	0.22	-0.70	36,36,36,36	0
56	MG	1S	3003	1/1	0.96	0.18	-0.71	69,69,69,69	0
56	MG	1a	3007	1/1	0.85	0.18	-0.72	56,56,56,56	0
56	MG	1W	206	1/1	0.96	0.21	-0.78	17,17,17,17	0
56	MG	2a	3130	1/1	0.95	0.13	-0.79	67,67,67,67	0
56	MG	1A	3436	1/1	0.98	0.20	-0.86	24,24,24,24	0
56	MG	1a	3160	1/1	0.72	0.19	-0.88	62,62,62,62	0
59	ZN	2Y	501	1/1	0.98	0.16	-0.91	75,75,75,75	0
56	MG	1A	4045	1/1	0.86	0.09	-0.91	30,30,30,30	0
56	MG	1b	3001	1/1	0.90	0.17	-0.92	69,69,69,69	0
56	MG	1x	101	1/1	0.96	0.22	-0.93	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3876	1/1	0.88	0.20	-0.95	43,43,43,43	0
56	MG	18	103	1/1	0.93	0.20	-0.95	29,29,29,29	0
56	MG	2A	3845	1/1	0.98	0.14	-0.95	44,44,44,44	0
56	MG	2A	3372	1/1	0.94	0.17	-0.95	51,51,51,51	0
56	MG	1A	3476	1/1	0.91	0.20	-0.96	44,44,44,44	0
56	MG	1A	3190	1/1	0.96	0.20	-0.99	31,31,31,31	0
56	MG	1B	3022	1/1	0.87	0.16	-1.00	48,48,48,48	0
56	MG	2A	3338	1/1	0.75	0.14	-1.02	66,66,66,66	0
56	MG	1A	3164	1/1	0.93	0.17	-1.02	31,31,31,31	0
56	MG	2A	3068	1/1	0.87	0.14	-1.02	54,54,54,54	0
56	MG	1A	3482	1/1	0.92	0.21	-1.05	18,18,18,18	0
56	MG	1a	3232	1/1	0.96	0.14	-1.06	54,54,54,54	0
56	MG	2A	3737	1/1	0.88	0.20	-1.07	47,47,47,47	0
56	MG	2A	3576	1/1	0.80	0.18	-1.07	35,35,35,35	0
56	MG	1a	3231	1/1	0.97	0.19	-1.11	41,41,41,41	0
56	MG	2a	3135	1/1	0.94	0.10	-1.12	55,55,55,55	0
56	MG	1a	3065	1/1	0.95	0.15	-1.14	54,54,54,54	0
56	MG	1A	3794	1/1	0.93	0.19	-1.15	37,37,37,37	0
56	MG	2A	3549	1/1	0.91	0.20	-1.18	34,34,34,34	0
56	MG	1A	3221	1/1	0.91	0.19	-1.18	34,34,34,34	0
56	MG	1A	3460	1/1	0.94	0.17	-1.19	20,20,20,20	0
56	MG	1A	3734	1/1	0.83	0.20	-1.20	14,14,14,14	0
56	MG	1A	3556	1/1	0.90	0.18	-1.21	9,9,9,9	0
56	MG	2a	3128	1/1	0.79	0.17	-1.26	57,57,57,57	0
56	MG	2A	3667	1/1	0.81	0.15	-1.26	33,33,33,33	0
56	MG	2q	203	1/1	0.92	0.14	-1.27	55,55,55,55	0
60	SF4	2d	302	8/8	0.98	0.13	-1.34	53,66,72,75	0
56	MG	1A	3726	1/1	0.88	0.21	-1.34	12,12,12,12	0
56	MG	2A	3555	1/1	0.96	0.13	-1.36	55,55,55,55	0
56	MG	1P	201	1/1	0.94	0.20	-1.37	20,20,20,20	0
56	MG	1D	310	1/1	0.97	0.20	-1.39	34,34,34,34	0
56	MG	2a	3151	1/1	0.74	0.12	-1.39	53,53,53,53	0
56	MG	2a	3173	1/1	0.73	0.18	-1.41	62,62,62,62	0
56	MG	2a	3123	1/1	0.58	0.18	-1.41	75,75,75,75	0
56	MG	2a	3216	1/1	0.95	0.16	-1.41	51,51,51,51	0
60	SF4	1d	501	8/8	0.98	0.15	-1.42	51,59,62,71	0
56	MG	2a	3225	1/1	0.94	0.12	-1.43	72,72,72,72	0
56	MG	2A	3189	1/1	0.91	0.20	-1.43	38,38,38,38	0
56	MG	2B	3006	1/1	0.96	0.17	-1.50	60,60,60,60	0
56	MG	1E	304	1/1	0.95	0.19	-1.52	44,44,44,44	0
56	MG	2A	3615	1/1	0.94	0.14	-1.52	54,54,54,54	0
56	MG	1A	3727	1/1	0.95	0.20	-1.52	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3151	1/1	0.90	0.14	-1.52	45,45,45,45	0
56	MG	1A	3627	1/1	0.99	0.20	-1.55	15,15,15,15	0
56	MG	1A	4125	1/1	0.89	0.19	-1.55	27,27,27,27	0
56	MG	2A	3273	1/1	0.88	0.18	-1.59	51,51,51,51	0
56	MG	1A	3191	1/1	0.97	0.19	-1.60	14,14,14,14	0
56	MG	1A	3898	1/1	0.88	0.19	-1.60	23,23,23,23	0
56	MG	2A	3475	1/1	0.96	0.15	-1.61	28,28,28,28	0
56	MG	1O	3005	1/1	0.94	0.13	-1.62	62,62,62,62	0
56	MG	2A	3113	1/1	0.94	0.15	-1.64	47,47,47,47	0
56	MG	2a	3138	1/1	0.97	0.17	-1.65	48,48,48,48	0
59	ZN	29	501	1/1	0.93	0.10	-1.67	77,77,77,77	0
56	MG	2a	3153	1/1	0.81	0.17	-1.68	68,68,68,68	0
56	MG	2a	3030	1/1	0.92	0.18	-1.69	51,51,51,51	0
56	MG	2a	3202	1/1	0.83	0.16	-1.70	57,57,57,57	0
56	MG	2a	3190	1/1	0.94	0.11	-1.70	61,61,61,61	0
56	MG	2A	3732	1/1	0.87	0.14	-1.71	43,43,43,43	0
56	MG	23	3001	1/1	0.98	0.17	-1.73	46,46,46,46	0
56	MG	2A	3137	1/1	0.96	0.18	-1.73	35,35,35,35	0
56	MG	2A	3489	1/1	0.98	0.19	-1.73	38,38,38,38	0
56	MG	2a	3076	1/1	0.97	0.17	-1.78	64,64,64,64	0
59	ZN	1n	501	1/1	0.98	0.15	-1.78	55,55,55,55	0
56	MG	2A	3466	1/1	0.94	0.18	-1.78	48,48,48,48	0
56	MG	1a	3113	1/1	0.92	0.12	-1.80	37,37,37,37	0
56	MG	1A	3031	1/1	0.98	0.19	-1.80	21,21,21,21	0
56	MG	1a	3139	1/1	0.97	0.18	-1.82	31,31,31,31	0
56	MG	2G	3001	1/1	0.89	0.15	-1.83	62,62,62,62	0
56	MG	2A	3028	1/1	0.89	0.18	-1.83	30,30,30,30	0
56	MG	2A	3778	1/1	0.91	0.19	-1.88	57,57,57,57	0
56	MG	1A	4129	1/1	0.98	0.17	-1.89	16,16,16,16	0
56	MG	1A	3116	1/1	0.90	0.19	-1.90	28,28,28,28	0
56	MG	1A	3205	1/1	0.85	0.17	-1.91	47,47,47,47	0
56	MG	2A	3452	1/1	0.87	0.15	-1.91	42,42,42,42	0
56	MG	2A	3501	1/1	0.85	0.13	-1.92	24,24,24,24	0
56	MG	1a	3045	1/1	0.91	0.14	-1.92	38,38,38,38	0
56	MG	1A	4062	1/1	0.97	0.18	-1.93	23,23,23,23	0
56	MG	2a	3170	1/1	0.91	0.16	-1.98	55,55,55,55	0
56	MG	2A	3451	1/1	0.98	0.11	-1.99	29,29,29,29	0
56	MG	2A	3849	1/1	0.95	0.14	-2.02	24,24,24,24	0
56	MG	2A	3417	1/1	0.97	0.14	-2.04	22,22,22,22	0
56	MG	2A	3559	1/1	0.95	0.14	-2.04	23,23,23,23	0
59	ZN	2n	501	1/1	0.93	0.08	-2.05	93,93,93,93	0
56	MG	1A	3177	1/1	0.92	0.17	-2.05	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3099	1/1	0.96	0.16	-2.06	51,51,51,51	0
56	MG	1D	303	1/1	0.98	0.20	-2.07	23,23,23,23	0
56	MG	1a	3150	1/1	0.90	0.16	-2.08	56,56,56,56	0
56	MG	2A	3006	1/1	0.76	0.14	-2.09	51,51,51,51	0
56	MG	2a	3136	1/1	0.88	0.08	-2.11	60,60,60,60	0
56	MG	2a	3072	1/1	0.94	0.13	-2.12	44,44,44,44	0
56	MG	2a	3133	1/1	0.95	0.07	-2.15	69,69,69,69	0
56	MG	1G	3003	1/1	0.87	0.13	-2.16	47,47,47,47	0
56	MG	1A	4137	1/1	0.92	0.17	-2.16	20,20,20,20	0
56	MG	2A	3564	1/1	0.95	0.19	-2.17	34,34,34,34	0
59	ZN	24	501	1/1	0.76	0.10	-2.17	86,86,86,86	0
56	MG	2A	3780	1/1	0.88	0.15	-2.18	37,37,37,37	0
56	MG	1a	3032	1/1	0.94	0.19	-2.21	20,20,20,20	0
56	MG	1A	3474	1/1	0.97	0.17	-2.21	21,21,21,21	0
56	MG	2A	3499	1/1	0.85	0.12	-2.23	33,33,33,33	0
56	MG	1A	3511	1/1	0.81	0.20	-2.23	15,15,15,15	0
56	MG	1a	3002	1/1	0.96	0.16	-2.24	50,50,50,50	0
56	MG	2A	3818	1/1	0.64	0.13	-2.25	38,38,38,38	0
56	MG	1a	3146	1/1	0.83	0.17	-2.26	44,44,44,44	0
56	MG	1A	3885	1/1	0.81	0.18	-2.27	18,18,18,18	0
56	MG	1A	3610	1/1	0.94	0.14	-2.27	51,51,51,51	0
56	MG	2A	3760	1/1	0.94	0.14	-2.31	34,34,34,34	0
56	MG	2A	3600	1/1	0.95	0.16	-2.36	53,53,53,53	0
56	MG	1A	3314	1/1	0.90	0.12	-2.39	44,44,44,44	0
56	MG	1e	201	1/1	0.90	0.09	-2.39	63,63,63,63	0
56	MG	2E	305	1/1	0.92	0.14	-2.40	39,39,39,39	0
56	MG	2A	3498	1/1	0.97	0.16	-2.41	39,39,39,39	0
56	MG	1A	4096	1/1	0.88	0.17	-2.42	39,39,39,39	0
56	MG	2A	3394	1/1	0.89	0.13	-2.44	48,48,48,48	0
56	MG	1A	3604	1/1	0.90	0.11	-2.44	29,29,29,29	0
56	MG	11	103	1/1	0.93	0.18	-2.46	27,27,27,27	0
56	MG	2t	3001	1/1	0.90	0.12	-2.47	48,48,48,48	0
56	MG	1X	105	1/1	0.95	0.17	-2.47	36,36,36,36	0
56	MG	1w	107	1/1	0.92	0.11	-2.51	48,48,48,48	0
56	MG	1A	3725	1/1	0.92	0.16	-2.52	29,29,29,29	0
56	MG	1T	3003	1/1	0.90	0.14	-2.53	34,34,34,34	0
56	MG	1a	3205	1/1	0.97	0.13	-2.53	55,55,55,55	0
56	MG	2A	3572	1/1	0.92	0.14	-2.54	25,25,25,25	0
56	MG	2A	3482	1/1	0.85	0.16	-2.55	54,54,54,54	0
56	MG	2a	3055	1/1	0.83	0.11	-2.55	70,70,70,70	0
56	MG	1A	3739	1/1	0.95	0.18	-2.58	21,21,21,21	0
56	MG	2a	3079	1/1	0.95	0.15	-2.58	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	4142	1/1	0.98	0.15	-2.60	16,16,16,16	0
56	MG	1A	4114	1/1	0.95	0.15	-2.60	25,25,25,25	0
56	MG	1B	3026	1/1	0.94	0.16	-2.60	27,27,27,27	0
56	MG	2A	3843	1/1	0.96	0.21	-2.61	32,32,32,32	0
56	MG	2a	3160	1/1	0.90	0.13	-2.61	66,66,66,66	0
56	MG	1a	3153	1/1	0.69	0.16	-2.62	43,43,43,43	0
56	MG	2A	3570	1/1	0.92	0.17	-2.63	33,33,33,33	0
56	MG	2A	3561	1/1	0.95	0.18	-2.63	46,46,46,46	0
56	MG	1a	3062	1/1	0.76	0.11	-2.63	65,65,65,65	0
56	MG	1A	3590	1/1	0.96	0.12	-2.64	21,21,21,21	0
56	MG	2O	8001	1/1	0.89	0.15	-2.68	54,54,54,54	0
56	MG	1A	3732	1/1	0.89	0.17	-2.68	16,16,16,16	0
56	MG	1A	3127	1/1	0.97	0.15	-2.68	19,19,19,19	0
56	MG	2a	3107	1/1	0.96	0.19	-2.69	38,38,38,38	0
56	MG	2d	303	1/1	0.91	0.10	-2.69	65,65,65,65	0
56	MG	1A	3900	1/1	0.76	0.16	-2.72	42,42,42,42	0
56	MG	10	107	1/1	0.94	0.15	-2.72	53,53,53,53	0
56	MG	2A	3453	1/1	0.91	0.14	-2.73	52,52,52,52	0
56	MG	2D	305	1/1	0.87	0.14	-2.79	27,27,27,27	0
56	MG	1A	4135	1/1	0.98	0.14	-2.80	20,20,20,20	0
56	MG	1A	3871	1/1	0.86	0.19	-2.81	18,18,18,18	0
56	MG	2a	3058	1/1	0.92	0.10	-2.83	50,50,50,50	0
56	MG	2A	3096	1/1	0.98	0.17	-2.87	33,33,33,33	0
56	MG	2Q	201	1/1	0.95	0.13	-2.88	43,43,43,43	0
56	MG	2a	3033	1/1	0.81	0.13	-2.90	61,61,61,61	0
56	MG	2a	3062	1/1	0.88	0.12	-2.92	48,48,48,48	0
56	MG	1a	3218	1/1	0.66	0.13	-2.93	55,55,55,55	0
56	MG	1A	4092	1/1	0.92	0.19	-2.95	10,10,10,10	0
56	MG	1A	3565	1/1	0.96	0.12	-2.98	25,25,25,25	0
56	MG	1a	3199	1/1	0.80	0.11	-2.99	61,61,61,61	0
56	MG	1A	4106	1/1	0.95	0.16	-3.03	17,17,17,17	0
56	MG	2A	3665	1/1	0.91	0.13	-3.06	47,47,47,47	0
56	MG	1A	3073	1/1	0.97	0.14	-3.06	19,19,19,19	0
56	MG	1x	105	1/1	0.95	0.13	-3.07	66,66,66,66	0
56	MG	2a	3209	1/1	0.97	0.12	-3.08	55,55,55,55	0
56	MG	1A	4133	1/1	0.83	0.17	-3.10	29,29,29,29	0
56	MG	1A	3204	1/1	0.83	0.16	-3.10	41,41,41,41	0
56	MG	2a	3230	1/1	0.96	0.11	-3.12	61,61,61,61	0
56	MG	2A	3402	1/1	0.91	0.16	-3.12	39,39,39,39	0
56	MG	1A	3747	1/1	0.94	0.13	-3.12	18,18,18,18	0
56	MG	1A	3194	1/1	0.94	0.17	-3.13	35,35,35,35	0
56	MG	1A	3549	1/1	0.95	0.15	-3.14	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3646	1/1	0.93	0.15	-3.15	23,23,23,23	0
56	MG	1A	3852	1/1	0.85	0.17	-3.15	17,17,17,17	0
56	MG	1A	4054	1/1	0.92	0.16	-3.16	37,37,37,37	0
56	MG	1A	3904	1/1	0.96	0.18	-3.16	6,6,6,6	0
56	MG	2A	3820	1/1	0.98	0.13	-3.20	41,41,41,41	0
56	MG	2A	3866	1/1	0.93	0.13	-3.22	31,31,31,31	0
56	MG	2A	3624	1/1	0.79	0.15	-3.22	50,50,50,50	0
56	MG	2A	3384	1/1	0.76	0.13	-3.23	42,42,42,42	0
56	MG	1E	305	1/1	0.98	0.15	-3.24	26,26,26,26	0
56	MG	1A	3176	1/1	0.83	0.10	-3.26	52,52,52,52	0
56	MG	1A	3653	1/1	0.95	0.15	-3.26	9,9,9,9	0
56	MG	2a	3165	1/1	0.75	0.19	-3.27	52,52,52,52	0
56	MG	2A	3009	1/1	0.97	0.15	-3.32	36,36,36,36	0
56	MG	2A	3653	1/1	0.97	0.13	-3.33	51,51,51,51	0
56	MG	2A	3869	1/1	0.76	0.10	-3.34	55,55,55,55	0
56	MG	1S	3002	1/1	0.99	0.16	-3.34	37,37,37,37	0
56	MG	2A	3764	1/1	0.96	0.14	-3.34	23,23,23,23	0
56	MG	2A	3569	1/1	0.92	0.13	-3.35	31,31,31,31	0
56	MG	1A	3883	1/1	0.81	0.17	-3.36	13,13,13,13	0
56	MG	1a	3050	1/1	0.95	0.11	-3.36	51,51,51,51	0
56	MG	1E	302	1/1	0.98	0.18	-3.37	16,16,16,16	0
56	MG	1A	3633	1/1	0.96	0.15	-3.37	24,24,24,24	0
56	MG	2A	3628	1/1	0.95	0.14	-3.39	34,34,34,34	0
56	MG	2A	3288	1/1	0.90	0.14	-3.40	48,48,48,48	0
56	MG	2A	3514	1/1	0.96	0.16	-3.41	42,42,42,42	0
56	MG	1A	3012	1/1	0.99	0.12	-3.44	14,14,14,14	0
56	MG	2A	3485	1/1	0.94	0.10	-3.44	33,33,33,33	0
56	MG	1A	3673	1/1	0.80	0.15	-3.45	24,24,24,24	0
56	MG	2E	301	1/1	0.72	0.12	-3.47	53,53,53,53	0
56	MG	2A	3144	1/1	0.97	0.13	-3.47	42,42,42,42	0
56	MG	2A	3138	1/1	0.94	0.13	-3.50	40,40,40,40	0
56	MG	2A	3846	1/1	0.88	0.09	-3.52	41,41,41,41	0
56	MG	1A	3020	1/1	0.96	0.17	-3.53	18,18,18,18	0
56	MG	2A	3381	1/1	0.95	0.12	-3.53	43,43,43,43	0
56	MG	1A	4103	1/1	0.93	0.19	-3.54	16,16,16,16	0
56	MG	1x	107	1/1	0.95	0.06	-3.55	53,53,53,53	0
56	MG	2A	3502	1/1	0.96	0.17	-3.56	35,35,35,35	0
56	MG	2A	3479	1/1	0.95	0.12	-3.56	37,37,37,37	0
56	MG	2A	3757	1/1	0.84	0.12	-3.60	50,50,50,50	0
56	MG	16	103	1/1	0.91	0.14	-3.63	33,33,33,33	0
56	MG	2A	3488	1/1	0.98	0.17	-3.66	30,30,30,30	0
56	MG	1A	3668	1/1	0.95	0.16	-3.67	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3636	1/1	0.98	0.16	-3.67	6,6,6,6	0
56	MG	1a	3177	1/1	0.86	0.18	-3.69	46,46,46,46	0
56	MG	1n	503	1/1	0.93	0.13	-3.70	43,43,43,43	0
56	MG	1A	3712	1/1	0.82	0.17	-3.76	10,10,10,10	0
56	MG	1a	3144	1/1	0.95	0.15	-3.77	43,43,43,43	0
56	MG	2A	3731	1/1	0.96	0.07	-3.80	64,64,64,64	0
56	MG	2a	3009	1/1	0.86	0.11	-3.83	58,58,58,58	0
56	MG	1W	204	1/1	0.97	0.12	-3.84	21,21,21,21	0
56	MG	1a	3015	1/1	0.95	0.10	-3.84	60,60,60,60	0
56	MG	1Q	3001	1/1	0.97	0.12	-3.84	26,26,26,26	0
56	MG	2A	3755	1/1	0.94	0.12	-3.84	53,53,53,53	0
56	MG	1A	3792	1/1	0.96	0.13	-3.85	22,22,22,22	0
56	MG	2A	3073	1/1	0.95	0.15	-3.86	25,25,25,25	0
56	MG	2A	3182	1/1	0.93	0.14	-3.86	51,51,51,51	0
56	MG	1l	101	1/1	0.96	0.13	-3.86	39,39,39,39	0
56	MG	1D	306	1/1	0.95	0.16	-3.88	14,14,14,14	0
56	MG	1A	4032	1/1	0.88	0.16	-3.89	19,19,19,19	0
56	MG	1A	4038	1/1	0.88	0.13	-3.89	39,39,39,39	0
56	MG	1A	3663	1/1	0.88	0.13	-3.90	32,32,32,32	0
56	MG	1A	4122	1/1	0.87	0.11	-3.96	35,35,35,35	0
56	MG	1a	3234	1/1	0.93	0.12	-3.96	38,38,38,38	0
56	MG	1a	3128	1/1	0.92	0.13	-3.97	36,36,36,36	0
56	MG	2A	3606	1/1	0.98	0.16	-3.99	35,35,35,35	0
56	MG	1A	3731	1/1	0.81	0.14	-3.99	20,20,20,20	0
56	MG	2A	3093	1/1	0.97	0.10	-4.01	55,55,55,55	0
56	MG	20	3002	1/1	0.93	0.10	-4.01	40,40,40,40	0
56	MG	2a	3193	1/1	0.95	0.10	-4.03	54,54,54,54	0
56	MG	2A	3046	1/1	0.93	0.12	-4.03	56,56,56,56	0
56	MG	2a	3183	1/1	0.97	0.10	-4.06	59,59,59,59	0
56	MG	2A	3566	1/1	0.94	0.15	-4.06	35,35,35,35	0
56	MG	2a	3059	1/1	0.92	0.11	-4.06	52,52,52,52	0
56	MG	1A	3689	1/1	0.97	0.17	-4.09	12,12,12,12	0
56	MG	1A	3600	1/1	0.92	0.18	-4.09	14,14,14,14	0
56	MG	2A	3598	1/1	0.95	0.14	-4.10	27,27,27,27	0
56	MG	1a	3192	1/1	0.86	0.09	-4.10	53,53,53,53	0
56	MG	1A	3032	1/1	0.99	0.16	-4.11	8,8,8,8	0
56	MG	1A	3909	1/1	0.95	0.09	-4.13	23,23,23,23	0
56	MG	2a	3093	1/1	0.95	0.10	-4.14	60,60,60,60	0
56	MG	1a	3054	1/1	0.98	0.11	-4.15	57,57,57,57	0
56	MG	1a	3170	1/1	0.88	0.11	-4.15	49,49,49,49	0
56	MG	2A	3024	1/1	0.94	0.15	-4.16	45,45,45,45	0
56	MG	1A	3577	1/1	0.98	0.17	-4.17	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3148	1/1	0.97	0.13	-4.22	35,35,35,35	0
56	MG	1A	3762	1/1	0.88	0.13	-4.23	13,13,13,13	0
56	MG	1A	3854	1/1	0.94	0.15	-4.23	18,18,18,18	0
56	MG	2w	3006	1/1	0.90	0.10	-4.26	78,78,78,78	0
56	MG	2A	3027	1/1	0.96	0.12	-4.27	30,30,30,30	0
56	MG	2a	3184	1/1	0.92	0.09	-4.28	46,46,46,46	0
56	MG	1A	3989	1/1	0.92	0.14	-4.31	21,21,21,21	0
56	MG	2A	3568	1/1	0.94	0.10	-4.35	42,42,42,42	0
56	MG	1a	3112	1/1	0.92	0.15	-4.37	48,48,48,48	0
56	MG	2A	3769	1/1	0.76	0.10	-4.41	46,46,46,46	0
56	MG	1A	4035	1/1	0.90	0.16	-4.41	13,13,13,13	0
56	MG	1A	3793	1/1	0.89	0.12	-4.42	25,25,25,25	0
56	MG	1a	3018	1/1	0.94	0.13	-4.43	44,44,44,44	0
56	MG	1A	3632	1/1	0.94	0.13	-4.47	27,27,27,27	0
56	MG	2A	3551	1/1	0.95	0.13	-4.47	29,29,29,29	0
56	MG	2A	3487	1/1	0.96	0.13	-4.52	27,27,27,27	0
56	MG	1A	3168	1/1	0.98	0.18	-4.53	20,20,20,20	0
56	MG	1a	3008	1/1	0.96	0.11	-4.53	37,37,37,37	0
56	MG	2A	3589	1/1	0.97	0.12	-4.56	38,38,38,38	0
56	MG	1A	3835	1/1	0.94	0.16	-4.56	26,26,26,26	0
56	MG	1A	3960	1/1	0.84	0.15	-4.57	25,25,25,25	0
56	MG	1A	3757	1/1	0.94	0.20	-4.58	8,8,8,8	0
56	MG	1A	3984	1/1	0.92	0.11	-4.58	21,21,21,21	0
56	MG	2A	3771	1/1	0.94	0.15	-4.63	30,30,30,30	0
56	MG	1A	3958	1/1	0.80	0.18	-4.64	8,8,8,8	0
56	MG	1A	3717	1/1	0.70	0.17	-4.64	23,23,23,23	0
56	MG	2A	3032	1/1	0.95	0.09	-4.65	56,56,56,56	0
56	MG	1Q	3002	1/1	0.94	0.15	-4.68	21,21,21,21	0
56	MG	1A	3193	1/1	0.97	0.13	-4.71	24,24,24,24	0
56	MG	2A	3088	1/1	0.94	0.12	-4.73	35,35,35,35	0
56	MG	2A	3366	1/1	0.96	0.17	-4.75	31,31,31,31	0
56	MG	2A	3605	1/1	0.94	0.14	-4.76	46,46,46,46	0
56	MG	2A	3640	1/1	0.91	0.12	-4.76	34,34,34,34	0
56	MG	1X	101	1/1	0.94	0.13	-4.79	25,25,25,25	0
56	MG	1A	4012	1/1	0.99	0.14	-4.79	17,17,17,17	0
56	MG	1a	3014	1/1	0.93	0.14	-4.81	36,36,36,36	0
56	MG	1A	3709	1/1	0.87	0.19	-4.81	12,12,12,12	0
56	MG	1A	3169	1/1	0.96	0.14	-4.81	18,18,18,18	0
56	MG	1A	3009	1/1	0.91	0.13	-4.84	16,16,16,16	0
56	MG	2a	3143	1/1	0.94	0.09	-4.85	51,51,51,51	0
56	MG	1a	3124	1/1	0.96	0.12	-4.86	40,40,40,40	0
56	MG	1B	3018	1/1	0.88	0.15	-4.90	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3756	1/1	0.81	0.14	-4.91	37,37,37,37	0
56	MG	1A	3008	1/1	0.95	0.13	-4.93	9,9,9,9	0
56	MG	1A	3578	1/1	0.97	0.15	-4.96	47,47,47,47	0
56	MG	2A	3828	1/1	0.96	0.10	-4.97	40,40,40,40	0
56	MG	1A	3240	1/1	0.87	0.13	-5.02	31,31,31,31	0
56	MG	1A	3670	1/1	0.99	0.14	-5.03	8,8,8,8	0
56	MG	1a	3190	1/1	0.83	0.08	-5.04	44,44,44,44	0
56	MG	1A	3867	1/1	0.96	0.13	-5.10	18,18,18,18	0
56	MG	1A	3641	1/1	0.94	0.17	-5.11	9,9,9,9	0
56	MG	2A	3471	1/1	0.97	0.08	-5.11	34,34,34,34	0
56	MG	1a	3204	1/1	0.95	0.11	-5.11	27,27,27,27	0
56	MG	2A	3702	1/1	0.90	0.14	-5.13	37,37,37,37	0
56	MG	1A	3640	1/1	0.97	0.14	-5.17	12,12,12,12	0
56	MG	1A	3649	1/1	0.98	0.12	-5.18	13,13,13,13	0
56	MG	1A	3682	1/1	0.92	0.13	-5.21	12,12,12,12	0
56	MG	1A	3884	1/1	0.81	0.17	-5.26	35,35,35,35	0
56	MG	1A	3746	1/1	0.92	0.12	-5.26	15,15,15,15	0
56	MG	1A	3986	1/1	0.93	0.14	-5.27	13,13,13,13	0
56	MG	2A	3548	1/1	0.89	0.16	-5.27	25,25,25,25	0
56	MG	2A	3437	1/1	0.94	0.12	-5.28	43,43,43,43	0
56	MG	2A	3117	1/1	0.85	0.16	-5.32	36,36,36,36	0
56	MG	1a	3157	1/1	0.90	0.12	-5.36	46,46,46,46	0
56	MG	1A	3768	1/1	0.88	0.15	-5.38	47,47,47,47	0
56	MG	1a	3049	1/1	0.85	0.10	-5.45	35,35,35,35	0
56	MG	1A	3926	1/1	0.69	0.14	-5.50	31,31,31,31	0
56	MG	2A	3682	1/1	0.86	0.17	-5.53	37,37,37,37	0
56	MG	2A	3012	1/1	0.94	0.12	-5.56	24,24,24,24	0
56	MG	2A	3592	1/1	0.93	0.12	-5.56	48,48,48,48	0
56	MG	2A	3494	1/1	0.81	0.14	-5.58	46,46,46,46	0
56	MG	1a	3011	1/1	0.97	0.16	-5.59	19,19,19,19	0
56	MG	2A	3007	1/1	0.94	0.10	-5.66	29,29,29,29	0
56	MG	1A	3698	1/1	0.98	0.14	-5.69	8,8,8,8	0
56	MG	1A	3860	1/1	0.94	0.13	-5.72	14,14,14,14	0
56	MG	1A	3637	1/1	0.85	0.17	-5.82	14,14,14,14	0
56	MG	2A	3051	1/1	0.81	0.11	-5.83	40,40,40,40	0
56	MG	1A	3658	1/1	0.83	0.18	-5.83	15,15,15,15	0
56	MG	2A	3812	1/1	0.96	0.14	-5.91	52,52,52,52	0
56	MG	2A	3467	1/1	0.92	0.13	-5.98	32,32,32,32	0
56	MG	2A	3767	1/1	0.67	0.11	-6.01	39,39,39,39	0
56	MG	1a	3165	1/1	0.92	0.12	-6.06	45,45,45,45	0
56	MG	1A	3211	1/1	0.95	0.17	-6.07	33,33,33,33	0
56	MG	2A	3077	1/1	0.95	0.10	-6.08	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3119	1/1	0.90	0.12	-6.12	28,28,28,28	0
56	MG	1A	3231	1/1	0.88	0.13	-6.12	25,25,25,25	0
56	MG	1A	3881	1/1	0.88	0.15	-6.13	18,18,18,18	0
56	MG	2A	3385	1/1	0.93	0.11	-6.25	36,36,36,36	0
56	MG	1A	3608	1/1	0.82	0.13	-6.26	15,15,15,15	0
56	MG	2A	3817	1/1	0.96	0.11	-6.28	47,47,47,47	0
56	MG	1A	3737	1/1	0.90	0.15	-6.30	17,17,17,17	0
56	MG	1a	3039	1/1	0.95	0.10	-6.32	59,59,59,59	0
56	MG	2a	3085	1/1	0.96	0.12	-6.33	41,41,41,41	0
56	MG	2A	3787	1/1	0.87	0.07	-6.42	48,48,48,48	0
56	MG	1A	3642	1/1	0.90	0.15	-6.42	15,15,15,15	0
56	MG	2A	3448	1/1	0.95	0.14	-6.44	23,23,23,23	0
56	MG	1A	3603	1/1	0.97	0.13	-6.44	15,15,15,15	0
56	MG	1a	3140	1/1	0.79	0.10	-6.46	37,37,37,37	0
56	MG	1a	3020	1/1	0.93	0.10	-6.55	33,33,33,33	0
56	MG	2a	3124	1/1	0.85	0.11	-6.59	56,56,56,56	0
56	MG	1A	3602	1/1	0.89	0.14	-6.63	24,24,24,24	0
56	MG	1U	202	1/1	0.97	0.14	-6.63	19,19,19,19	0
56	MG	1A	3030	1/1	0.94	0.17	-6.67	27,27,27,27	0
56	MG	1A	4005	1/1	0.92	0.12	-6.68	34,34,34,34	0
56	MG	2A	3772	1/1	0.94	0.10	-6.69	30,30,30,30	0
56	MG	1A	3729	1/1	0.92	0.19	-6.77	10,10,10,10	0
56	MG	1A	3722	1/1	0.96	0.09	-6.81	28,28,28,28	0
56	MG	1A	3947	1/1	0.86	0.15	-6.85	23,23,23,23	0
56	MG	1A	3629	1/1	0.95	0.14	-6.91	13,13,13,13	0
56	MG	2A	3324	1/1	0.99	0.07	-7.00	58,58,58,58	0
56	MG	2A	3529	1/1	0.97	0.14	-7.02	31,31,31,31	0
56	MG	2A	3008	1/1	0.92	0.10	-7.07	39,39,39,39	0
56	MG	2A	3759	1/1	0.88	0.10	-7.21	74,74,74,74	0
56	MG	2A	3671	1/1	0.93	0.09	-7.23	47,47,47,47	0
56	MG	1A	3589	1/1	0.98	0.15	-7.26	19,19,19,19	0
56	MG	2A	3658	1/1	0.94	0.13	-7.34	31,31,31,31	0
56	MG	1a	3025	1/1	0.92	0.12	-7.37	42,42,42,42	0
56	MG	1A	3579	1/1	0.92	0.17	-7.56	27,27,27,27	0
56	MG	2A	3550	1/1	0.89	0.09	-7.63	43,43,43,43	0
56	MG	17	101	1/1	0.97	0.11	-7.71	15,15,15,15	0
56	MG	1A	3825	1/1	0.84	0.12	-7.81	28,28,28,28	0
56	MG	1N	3002	1/1	0.91	0.11	-7.84	25,25,25,25	0
56	MG	2A	3629	1/1	0.96	0.11	-7.86	56,56,56,56	0
56	MG	2A	3492	1/1	0.95	0.10	-7.93	27,27,27,27	0
56	MG	1A	3788	1/1	0.96	0.10	-7.95	15,15,15,15	0
56	MG	2A	3070	1/1	0.93	0.11	-7.95	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3442	1/1	0.97	0.09	-8.04	41,41,41,41	0
56	MG	2A	3020	1/1	0.98	0.13	-8.09	26,26,26,26	0
56	MG	2A	3505	1/1	0.90	0.10	-8.14	34,34,34,34	0
56	MG	1a	3216	1/1	0.87	0.06	-8.14	62,62,62,62	0
56	MG	1A	3041	1/1	0.96	0.12	-8.18	16,16,16,16	0
56	MG	1A	3789	1/1	0.96	0.14	-8.61	26,26,26,26	0
56	MG	1A	3069	1/1	0.90	0.10	-8.66	16,16,16,16	0
56	MG	1A	3927	1/1	0.96	0.12	-8.75	33,33,33,33	0
56	MG	1a	3217	1/1	0.96	0.10	-8.87	35,35,35,35	0
56	MG	1A	3336	1/1	0.92	0.11	-9.00	27,27,27,27	0
56	MG	1A	3882	1/1	0.91	0.14	-9.13	25,25,25,25	0
56	MG	2A	3462	1/1	0.98	0.10	-9.21	20,20,20,20	0
56	MG	1A	3888	1/1	0.94	0.12	-9.22	23,23,23,23	0
56	MG	1B	3017	1/1	0.97	0.13	-9.42	19,19,19,19	0
56	MG	1A	4044	1/1	0.88	0.08	-9.43	17,17,17,17	0
56	MG	1A	4028	1/1	0.95	0.14	-9.45	24,24,24,24	0
56	MG	2A	3484	1/1	0.93	0.13	-9.61	32,32,32,32	0
56	MG	1A	3049	1/1	0.96	0.13	-9.67	24,24,24,24	0
56	MG	1A	3861	1/1	0.51	0.15	-9.73	15,15,15,15	0
56	MG	1A	3070	1/1	0.95	0.09	-9.74	23,23,23,23	0
56	MG	2A	3066	1/1	0.94	0.12	-10.01	43,43,43,43	0
56	MG	1A	3738	1/1	0.83	0.15	-10.09	23,23,23,23	0
56	MG	1A	3971	1/1	0.87	0.10	-10.21	43,43,43,43	0
56	MG	1A	3019	1/1	0.95	0.17	-10.22	8,8,8,8	0
56	MG	1A	3644	1/1	0.97	0.13	-10.25	12,12,12,12	0
56	MG	1A	3635	1/1	0.75	0.15	-10.30	18,18,18,18	0
56	MG	1A	4046	1/1	0.97	0.09	-10.38	38,38,38,38	0
56	MG	1A	3733	1/1	0.88	0.14	-10.38	15,15,15,15	0
56	MG	1E	312	1/1	0.95	0.07	-10.45	20,20,20,20	0
56	MG	1A	4047	1/1	0.83	0.07	-10.78	32,32,32,32	0
56	MG	1A	3042	1/1	0.96	0.16	-10.83	15,15,15,15	0
56	MG	1A	3754	1/1	0.95	0.07	-10.85	21,21,21,21	0
56	MG	1a	3035	1/1	0.92	0.10	-11.17	43,43,43,43	0
56	MG	1A	3288	1/1	0.97	0.14	-11.46	17,17,17,17	0
56	MG	1A	3749	1/1	0.95	0.10	-11.47	38,38,38,38	0
56	MG	2A	3783	1/1	0.89	0.10	-11.60	40,40,40,40	0
56	MG	1B	3015	1/1	0.96	0.08	-11.63	29,29,29,29	0
56	MG	1A	3007	1/1	0.95	0.12	-11.82	27,27,27,27	0
56	MG	1A	3773	1/1	0.90	0.10	-12.22	26,26,26,26	0
56	MG	1A	3902	1/1	0.93	0.08	-12.60	34,34,34,34	0
56	MG	2A	3581	1/1	0.90	0.09	-13.02	42,42,42,42	0
56	MG	1A	3719	1/1	0.93	0.09	-13.06	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3809	1/1	0.99	0.09	-14.38	27,27,27,27	0
56	MG	1A	3716	1/1	0.98	0.10	-14.66	25,25,25,25	0
56	MG	1A	4063	1/1	0.96	0.16	-15.23	17,17,17,17	0
56	MG	2A	3763	1/1	0.96	0.11	-17.10	29,29,29,29	0
56	MG	1A	4102	1/1	0.96	0.12	-20.62	11,11,11,11	0
56	MG	2A	3603	1/1	0.94	0.08	-	44,44,44,44	0
56	MG	1F	304	1/1	0.98	0.41	-	28,28,28,28	0
56	MG	1A	3411	1/1	0.97	0.49	-	22,22,22,22	0
56	MG	2A	3545	1/1	0.78	0.09	-	56,56,56,56	0
56	MG	2A	3800	1/1	0.92	0.12	-	26,26,26,26	0
56	MG	2a	3125	1/1	0.89	0.22	-	78,78,78,78	0
56	MG	2A	3018	1/1	0.90	0.61	-	36,36,36,36	0
56	MG	1A	3034	1/1	0.59	0.19	-	56,56,56,56	0
56	MG	1A	3624	1/1	0.94	0.19	-	39,39,39,39	0
56	MG	2A	3739	1/1	0.84	0.31	-	69,69,69,69	0
56	MG	1A	3558	1/1	0.69	0.39	-	42,42,42,42	0
56	MG	2A	3724	1/1	0.86	0.13	-	55,55,55,55	0
56	MG	1A	3688	1/1	0.96	0.17	-	20,20,20,20	0
56	MG	1A	3357	1/1	0.91	0.15	-	12,12,12,12	0
56	MG	1a	3161	1/1	0.89	0.15	-	45,45,45,45	0
56	MG	1A	3700	1/1	0.95	0.13	-	49,49,49,49	0
56	MG	1m	3001	1/1	0.91	0.24	-	48,48,48,48	0
56	MG	1A	4016	1/1	0.79	0.09	-	32,32,32,32	0
56	MG	1B	3028	1/1	0.91	0.24	-	38,38,38,38	0
56	MG	2A	3716	1/1	0.88	0.23	-	63,63,63,63	0
56	MG	17	102	1/1	0.92	0.31	-	36,36,36,36	0
56	MG	1A	3954	1/1	0.95	0.20	-	50,50,50,50	0
56	MG	1a	3167	1/1	0.83	0.14	-	51,51,51,51	0
56	MG	1A	3778	1/1	0.99	0.12	-	22,22,22,22	0
56	MG	2A	3827	1/1	0.94	0.18	-	64,64,64,64	0
56	MG	1A	3740	1/1	0.92	0.11	-	44,44,44,44	0
56	MG	1A	3504	1/1	0.96	0.17	-	39,39,39,39	0
56	MG	2A	3101	1/1	0.94	0.39	-	34,34,34,34	0
56	MG	2A	3186	1/1	0.82	0.25	-	43,43,43,43	0
56	MG	1a	3212	1/1	0.94	0.15	-	54,54,54,54	0
56	MG	2A	3822	1/1	0.94	0.14	-	48,48,48,48	0
56	MG	2a	3169	1/1	0.83	0.09	-	59,59,59,59	0
56	MG	1A	3961	1/1	0.94	0.14	-	19,19,19,19	0
56	MG	1A	3425	1/1	0.97	0.22	-	21,21,21,21	0
56	MG	1A	3546	1/1	0.88	0.16	-	57,57,57,57	0
56	MG	1A	3859	1/1	0.84	0.18	-	27,27,27,27	0
56	MG	1A	3444	1/1	0.96	0.21	-	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	4037	1/1	0.87	0.08	-	45,45,45,45	0
56	MG	2A	3528	1/1	0.97	0.14	-	28,28,28,28	0
56	MG	1A	3272	1/1	0.93	0.18	-	30,30,30,30	0
56	MG	1A	3894	1/1	0.71	0.10	-	36,36,36,36	0
56	MG	2A	3711	1/1	0.91	0.33	-	61,61,61,61	0
56	MG	2A	3621	1/1	0.96	0.11	-	62,62,62,62	0
56	MG	1A	3397	1/1	0.88	0.23	-	27,27,27,27	0
56	MG	2A	3630	1/1	0.99	0.13	-	49,49,49,49	0
56	MG	2A	3064	1/1	0.96	0.20	-	59,59,59,59	0
56	MG	1A	3309	1/1	0.93	0.32	-	37,37,37,37	0
56	MG	1A	3706	1/1	0.92	0.12	-	48,48,48,48	0
56	MG	2a	3188	1/1	0.85	0.10	-	72,72,72,72	0
56	MG	2A	3286	1/1	0.89	0.19	-	46,46,46,46	0
56	MG	2a	3175	1/1	0.92	0.09	-	51,51,51,51	0
56	MG	1A	3299	1/1	0.94	0.14	-	27,27,27,27	0
56	MG	2a	3162	1/1	0.95	0.09	-	57,57,57,57	0
56	MG	1A	3180	1/1	0.93	0.13	-	38,38,38,38	0
56	MG	1A	3616	1/1	0.91	0.15	-	23,23,23,23	0
56	MG	1A	3525	1/1	0.86	0.27	-	51,51,51,51	0
56	MG	1A	4099	1/1	0.93	0.10	-	43,43,43,43	0
56	MG	2A	3807	1/1	0.94	0.14	-	42,42,42,42	0
56	MG	1B	3005	1/1	0.91	0.19	-	50,50,50,50	0
56	MG	2A	3577	1/1	0.82	0.36	-	49,49,49,49	0
56	MG	2A	3328	1/1	0.81	0.17	-	45,45,45,45	0
56	MG	1A	3431	1/1	0.91	0.24	-	40,40,40,40	0
56	MG	1A	3175	1/1	0.91	0.15	-	35,35,35,35	0
56	MG	1A	3940	1/1	0.82	0.38	-	36,36,36,36	0
56	MG	1A	4009	1/1	0.83	0.33	-	56,56,56,56	0
56	MG	1A	3946	1/1	0.93	0.15	-	30,30,30,30	0
56	MG	2A	3161	1/1	0.90	0.16	-	36,36,36,36	0
56	MG	2A	3454	1/1	0.92	0.14	-	52,52,52,52	0
56	MG	2A	3754	1/1	0.96	0.10	-	42,42,42,42	0
56	MG	1a	3174	1/1	0.57	0.14	-	76,76,76,76	0
56	MG	1a	3223	1/1	0.94	0.12	-	48,48,48,48	0
56	MG	2B	3017	1/1	0.95	0.13	-	58,58,58,58	0
56	MG	2a	3098	1/1	0.84	0.14	-	58,58,58,58	0
56	MG	1A	3765	1/1	0.91	0.19	-	18,18,18,18	0
56	MG	1A	4079	1/1	0.99	0.17	-	29,29,29,29	0
56	MG	2a	3024	1/1	0.79	0.56	-	58,58,58,58	0
56	MG	2a	3114	1/1	0.88	0.19	-	47,47,47,47	0
56	MG	2A	3670	1/1	0.91	0.10	-	50,50,50,50	0
56	MG	2a	3004	1/1	0.82	0.26	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3516	1/1	0.78	0.15	-	74,74,74,74	0
56	MG	1a	3093	1/1	0.91	0.23	-	35,35,35,35	0
56	MG	2A	3456	1/1	0.97	0.22	-	31,31,31,31	0
56	MG	2y	101	1/1	0.89	0.12	-	59,59,59,59	0
56	MG	2D	302	1/1	0.91	0.11	-	38,38,38,38	0
56	MG	1Q	3004	1/1	0.92	0.18	-	36,36,36,36	0
56	MG	2E	306	1/1	0.90	0.14	-	45,45,45,45	0
56	MG	2A	3647	1/1	0.90	0.21	-	39,39,39,39	0
56	MG	2A	3522	1/1	0.74	0.16	-	30,30,30,30	0
56	MG	2a	3199	1/1	0.84	0.12	-	57,57,57,57	0
56	MG	1A	4055	1/1	0.94	0.17	-	56,56,56,56	0
56	MG	1A	3631	1/1	0.88	0.13	-	45,45,45,45	0
56	MG	2A	3284	1/1	0.94	0.14	-	41,41,41,41	0
56	MG	1A	3855	1/1	0.94	0.21	-	32,32,32,32	0
56	MG	1A	4039	1/1	0.87	0.10	-	54,54,54,54	0
56	MG	1a	3127	1/1	0.97	0.15	-	33,33,33,33	0
56	MG	2A	3184	1/1	0.94	0.38	-	36,36,36,36	0
56	MG	2A	3054	1/1	0.93	0.19	-	39,39,39,39	0
56	MG	1A	3475	1/1	0.68	0.54	-	67,67,67,67	0
56	MG	1A	4080	1/1	0.80	0.15	-	39,39,39,39	0
56	MG	1A	3566	1/1	0.96	0.23	-	25,25,25,25	0
56	MG	1A	3743	1/1	0.92	0.07	-	17,17,17,17	0
56	MG	2A	3815	1/1	0.91	0.21	-	59,59,59,59	0
56	MG	2A	3246	1/1	0.87	0.12	-	55,55,55,55	0
56	MG	1A	3356	1/1	0.86	0.70	-	47,47,47,47	0
56	MG	1A	3044	1/1	0.89	0.24	-	14,14,14,14	0
56	MG	1A	3664	1/1	0.97	0.14	-	13,13,13,13	0
56	MG	1A	3459	1/1	0.90	0.17	-	41,41,41,41	0
56	MG	2A	3291	1/1	0.95	0.13	-	67,67,67,67	0
56	MG	2A	3435	1/1	0.91	0.12	-	62,62,62,62	0
56	MG	2A	3202	1/1	0.94	0.26	-	51,51,51,51	0
56	MG	1B	3023	1/1	0.85	0.15	-	65,65,65,65	0
56	MG	1A	3400	1/1	0.81	0.24	-	50,50,50,50	0
56	MG	2A	3123	1/1	0.87	0.36	-	50,50,50,50	0
56	MG	2A	3847	1/1	0.82	0.12	-	54,54,54,54	0
56	MG	2A	3234	1/1	0.89	0.69	-	53,53,53,53	0
56	MG	1A	4088	1/1	0.88	0.13	-	49,49,49,49	0
56	MG	1A	3672	1/1	0.99	0.18	-	9,9,9,9	0
56	MG	1A	3080	1/1	0.89	0.64	-	28,28,28,28	0
56	MG	2A	3406	1/1	0.87	0.27	-	59,59,59,59	0
56	MG	1A	3334	1/1	0.96	0.10	-	46,46,46,46	0
56	MG	2a	3116	1/1	0.39	0.17	-	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3720	1/1	0.94	0.21	-	54,54,54,54	0
56	MG	1A	3919	1/1	0.94	0.14	-	35,35,35,35	0
56	MG	1A	3262	1/1	0.89	0.45	-	36,36,36,36	0
56	MG	2B	3004	1/1	0.96	0.21	-	53,53,53,53	0
56	MG	2A	3703	1/1	0.87	0.19	-	41,41,41,41	0
56	MG	1A	3446	1/1	0.82	0.17	-	54,54,54,54	0
56	MG	2A	3377	1/1	0.86	0.13	-	56,56,56,56	0
56	MG	1A	3911	1/1	0.93	0.14	-	34,34,34,34	0
56	MG	1a	3064	1/1	0.95	0.13	-	57,57,57,57	0
56	MG	1A	3388	1/1	0.91	0.16	-	39,39,39,39	0
56	MG	2y	104	1/1	0.68	0.22	-	85,85,85,85	0
56	MG	1A	3242	1/1	0.96	0.46	-	33,33,33,33	0
56	MG	2A	3672	1/1	0.88	0.10	-	67,67,67,67	0
56	MG	1A	4140	1/1	0.97	0.30	-	21,21,21,21	0
56	MG	2A	3218	1/1	0.94	0.15	-	49,49,49,49	0
56	MG	2A	3434	1/1	0.95	0.11	-	38,38,38,38	0
56	MG	1a	3222	1/1	0.90	0.14	-	60,60,60,60	0
56	MG	1A	3809	1/1	0.94	0.19	-	32,32,32,32	0
56	MG	2A	3312	1/1	0.85	0.20	-	51,51,51,51	0
56	MG	2A	3608	1/1	0.83	0.50	-	63,63,63,63	0
56	MG	2x	3004	1/1	0.81	0.14	-	59,59,59,59	0
56	MG	2A	3733	1/1	0.91	0.13	-	70,70,70,70	0
56	MG	1A	3922	1/1	0.84	0.07	-	63,63,63,63	0
56	MG	1A	3463	1/1	0.94	0.17	-	49,49,49,49	0
56	MG	2A	3523	1/1	0.91	0.14	-	58,58,58,58	0
56	MG	2A	3004	1/1	0.94	0.14	-	40,40,40,40	0
56	MG	2A	3160	1/1	0.91	0.15	-	33,33,33,33	0
56	MG	1A	3281	1/1	0.82	0.17	-	40,40,40,40	0
56	MG	1A	3426	1/1	0.86	0.17	-	48,48,48,48	0
56	MG	2A	3575	1/1	0.80	0.17	-	38,38,38,38	0
56	MG	15	103	1/1	0.94	0.19	-	17,17,17,17	0
56	MG	1A	3408	1/1	0.93	0.18	-	39,39,39,39	0
56	MG	1A	3498	1/1	0.69	0.15	-	43,43,43,43	0
56	MG	2A	3048	1/1	0.73	0.15	-	43,43,43,43	0
56	MG	1A	3951	1/1	0.93	0.32	-	56,56,56,56	0
56	MG	2A	3440	1/1	0.84	0.21	-	40,40,40,40	0
56	MG	2A	3303	1/1	0.91	0.15	-	35,35,35,35	0
56	MG	1a	3115	1/1	0.92	0.22	-	38,38,38,38	0
56	MG	2A	3693	1/1	0.88	0.07	-	54,54,54,54	0
56	MG	2B	3001	1/1	0.90	0.12	-	54,54,54,54	0
56	MG	1A	3294	1/1	0.97	0.17	-	30,30,30,30	0
56	MG	2A	3627	1/1	0.85	0.28	-	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3970	1/1	0.82	0.16	-	25,25,25,25	0
56	MG	2a	3222	1/1	0.96	0.15	-	51,51,51,51	0
56	MG	1A	3093	1/1	0.90	0.29	-	41,41,41,41	0
56	MG	2A	3554	1/1	0.91	0.43	-	51,51,51,51	0
56	MG	2A	3556	1/1	0.94	0.13	-	52,52,52,52	0
56	MG	1D	301	1/1	0.93	0.38	-	29,29,29,29	0
56	MG	1A	3707	1/1	0.93	0.14	-	40,40,40,40	0
56	MG	1A	3494	1/1	0.90	0.22	-	41,41,41,41	0
56	MG	1a	3169	1/1	0.90	0.13	-	57,57,57,57	0
56	MG	1A	4081	1/1	0.95	0.10	-	40,40,40,40	0
56	MG	2A	3814	1/1	0.99	0.14	-	45,45,45,45	0
56	MG	1A	3541	1/1	0.93	0.27	-	29,29,29,29	0
56	MG	2A	3652	1/1	0.95	0.15	-	50,50,50,50	0
56	MG	1A	3501	1/1	0.98	0.27	-	22,22,22,22	0
56	MG	2A	3374	1/1	0.89	0.24	-	39,39,39,39	0
56	MG	2A	3518	1/1	0.97	0.09	-	49,49,49,49	0
56	MG	2A	3416	1/1	0.94	0.14	-	52,52,52,52	0
56	MG	1a	3145	1/1	0.85	0.19	-	78,78,78,78	0
56	MG	1a	3030	1/1	0.94	0.15	-	46,46,46,46	0
56	MG	2A	3571	1/1	0.98	0.16	-	38,38,38,38	0
56	MG	2A	3850	1/1	0.55	0.38	-	67,67,67,67	0
56	MG	2A	3481	1/1	0.88	0.23	-	47,47,47,47	0
56	MG	1A	3780	1/1	0.93	0.13	-	41,41,41,41	0
56	MG	1a	3074	1/1	0.89	0.11	-	49,49,49,49	0
56	MG	2a	3005	1/1	0.91	0.21	-	42,42,42,42	0
56	MG	1A	3233	1/1	0.91	0.58	-	24,24,24,24	0
56	MG	1A	3068	1/1	0.92	0.38	-	50,50,50,50	0
56	MG	2A	3199	1/1	0.92	0.34	-	44,44,44,44	0
56	MG	1A	3203	1/1	0.91	0.48	-	25,25,25,25	0
56	MG	1A	3800	1/1	0.90	0.13	-	35,35,35,35	0
56	MG	1A	4082	1/1	0.91	0.17	-	29,29,29,29	0
56	MG	2A	3594	1/1	0.95	0.12	-	38,38,38,38	0
56	MG	1A	3006	1/1	0.92	0.20	-	44,44,44,44	0
56	MG	1a	3041	1/1	0.83	0.15	-	59,59,59,59	0
56	MG	2a	3010	1/1	0.88	0.13	-	56,56,56,56	0
56	MG	2A	3634	1/1	0.96	0.10	-	54,54,54,54	0
56	MG	2A	3835	1/1	0.93	0.11	-	53,53,53,53	0
56	MG	1A	3691	1/1	0.94	0.16	-	34,34,34,34	0
56	MG	2a	3192	1/1	0.97	0.13	-	64,64,64,64	0
56	MG	1A	3111	1/1	0.95	0.26	-	15,15,15,15	0
56	MG	2A	3399	1/1	0.92	0.28	-	53,53,53,53	0
56	MG	2A	3730	1/1	0.85	0.09	-	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3191	1/1	0.98	0.26	-	64,64,64,64	0
56	MG	2A	3187	1/1	0.67	0.67	-	43,43,43,43	0
56	MG	2A	3521	1/1	0.87	0.10	-	50,50,50,50	0
56	MG	2A	3788	1/1	0.91	0.14	-	57,57,57,57	0
56	MG	1A	4093	1/1	0.93	0.28	-	25,25,25,25	0
56	MG	2v	101	1/1	0.95	0.20	-	48,48,48,48	0
56	MG	2A	3495	1/1	0.85	0.13	-	22,22,22,22	0
56	MG	2A	3231	1/1	0.94	0.30	-	52,52,52,52	0
56	MG	2A	3282	1/1	0.96	0.10	-	41,41,41,41	0
56	MG	1A	3264	1/1	0.89	0.23	-	48,48,48,48	0
56	MG	2a	3109	1/1	0.95	0.15	-	43,43,43,43	0
56	MG	1A	3896	1/1	0.72	0.15	-	60,60,60,60	0
56	MG	1a	3200	1/1	0.91	0.08	-	42,42,42,42	0
56	MG	1A	3414	1/1	0.95	0.37	-	27,27,27,27	0
56	MG	1a	3051	1/1	0.86	0.34	-	65,65,65,65	0
56	MG	1x	112	1/1	0.91	0.17	-	67,67,67,67	0
56	MG	2A	3791	1/1	0.81	0.11	-	45,45,45,45	0
56	MG	2A	3709	1/1	0.93	0.12	-	43,43,43,43	0
56	MG	1A	3271	1/1	0.89	0.49	-	25,25,25,25	0
56	MG	2A	3472	1/1	0.85	0.15	-	50,50,50,50	0
56	MG	1A	3540	1/1	0.88	0.17	-	29,29,29,29	0
56	MG	2E	303	1/1	0.92	0.12	-	55,55,55,55	0
56	MG	1a	3168	1/1	0.86	0.20	-	44,44,44,44	0
56	MG	1A	3907	1/1	0.96	0.16	-	11,11,11,11	0
56	MG	1G	3004	1/1	0.93	0.11	-	39,39,39,39	0
56	MG	1A	3360	1/1	0.86	0.17	-	27,27,27,27	0
56	MG	1A	4018	1/1	0.70	0.24	-	52,52,52,52	0
56	MG	1a	3148	1/1	0.91	0.15	-	31,31,31,31	0
56	MG	2A	3223	1/1	0.94	0.24	-	55,55,55,55	0
56	MG	2A	3599	1/1	0.96	0.28	-	52,52,52,52	0
56	MG	2A	3460	1/1	0.60	0.19	-	35,35,35,35	0
56	MG	1A	3137	1/1	0.99	0.47	-	24,24,24,24	0
56	MG	2a	3201	1/1	0.83	0.23	-	70,70,70,70	0
56	MG	1A	3598	1/1	0.97	0.10	-	7,7,7,7	0
56	MG	2A	3455	1/1	0.93	0.15	-	61,61,61,61	0
56	MG	1A	3560	1/1	0.87	0.19	-	21,21,21,21	0
56	MG	1A	3405	1/1	0.73	0.20	-	30,30,30,30	0
56	MG	2a	3150	1/1	0.98	0.11	-	68,68,68,68	0
56	MG	2A	3542	1/1	0.49	0.18	-	52,52,52,52	0
56	MG	2a	3053	1/1	0.89	0.21	-	57,57,57,57	0
56	MG	1a	3155	1/1	0.92	0.12	-	50,50,50,50	0
56	MG	2A	3105	1/1	0.89	0.19	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3304	1/1	0.91	0.13	-	44,44,44,44	0
56	MG	1A	3687	1/1	0.98	0.14	-	30,30,30,30	0
56	MG	1a	3086	1/1	0.95	0.22	-	46,46,46,46	0
56	MG	2A	3649	1/1	0.88	0.15	-	54,54,54,54	0
56	MG	2A	3877	1/1	0.96	0.28	-	57,57,57,57	0
56	MG	1A	3075	1/1	0.96	0.33	-	14,14,14,14	0
56	MG	1A	4014	1/1	0.80	0.24	-	35,35,35,35	0
56	MG	1B	3031	1/1	0.77	0.23	-	59,59,59,59	0
56	MG	2A	3710	1/1	0.85	0.23	-	71,71,71,71	0
56	MG	2A	3611	1/1	0.91	0.09	-	61,61,61,61	0
56	MG	1A	3086	1/1	0.87	0.20	-	40,40,40,40	0
56	MG	1A	3245	1/1	0.93	0.20	-	19,19,19,19	0
56	MG	1A	3142	1/1	0.91	0.20	-	16,16,16,16	0
56	MG	1A	3965	1/1	0.74	0.08	-	65,65,65,65	0
56	MG	1A	3913	1/1	0.89	0.13	-	34,34,34,34	0
56	MG	2A	3728	1/1	0.90	0.15	-	55,55,55,55	0
56	MG	2A	3037	1/1	0.92	0.15	-	44,44,44,44	0
56	MG	1a	3037	1/1	0.94	0.13	-	44,44,44,44	0
56	MG	2A	3678	1/1	0.91	0.12	-	60,60,60,60	0
56	MG	1A	3465	1/1	0.98	0.45	-	22,22,22,22	0
56	MG	2A	3341	1/1	0.83	0.59	-	43,43,43,43	0
56	MG	1A	3542	1/1	0.92	0.16	-	29,29,29,29	0
56	MG	2A	3045	1/1	0.96	0.16	-	52,52,52,52	0
56	MG	2Q	202	1/1	0.88	0.19	-	31,31,31,31	0
56	MG	1A	3359	1/1	0.90	0.14	-	33,33,33,33	0
56	MG	2B	3013	1/1	0.93	0.17	-	57,57,57,57	0
56	MG	2A	3310	1/1	0.88	0.21	-	59,59,59,59	0
56	MG	1A	3377	1/1	0.87	0.13	-	25,25,25,25	0
56	MG	2U	204	1/1	0.94	0.68	-	57,57,57,57	0
56	MG	2A	3146	1/1	0.86	0.16	-	51,51,51,51	0
56	MG	2A	3386	1/1	0.81	0.28	-	51,51,51,51	0
56	MG	2U	206	1/1	0.96	0.13	-	32,32,32,32	0
56	MG	1A	3803	1/1	0.90	0.13	-	24,24,24,24	0
56	MG	1A	4008	1/1	0.97	0.08	-	22,22,22,22	0
56	MG	1a	3229	1/1	0.98	0.11	-	42,42,42,42	0
56	MG	1A	3657	1/1	0.94	0.18	-	17,17,17,17	0
56	MG	2A	3239	1/1	0.78	0.25	-	46,46,46,46	0
56	MG	1A	3805	1/1	0.95	0.12	-	40,40,40,40	0
56	MG	1A	3539	1/1	0.94	0.15	-	27,27,27,27	0
56	MG	2A	3837	1/1	0.94	0.14	-	62,62,62,62	0
56	MG	2A	3083	1/1	0.84	0.13	-	51,51,51,51	0
56	MG	1A	3399	1/1	0.90	0.11	-	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1G	3002	1/1	0.92	0.13	-	38,38,38,38	0
56	MG	1A	3730	1/1	0.95	0.16	-	21,21,21,21	0
56	MG	1A	3484	1/1	0.91	0.36	-	33,33,33,33	0
56	MG	1A	3342	1/1	0.91	0.47	-	31,31,31,31	0
56	MG	1a	3220	1/1	0.87	0.08	-	42,42,42,42	0
56	MG	2A	3043	1/1	0.90	0.12	-	53,53,53,53	0
56	MG	1v	3001	1/1	0.49	0.63	-	67,67,67,67	0
56	MG	1A	3033	1/1	0.99	0.53	-	23,23,23,23	0
56	MG	1A	3202	1/1	0.96	0.10	-	22,22,22,22	0
56	MG	2A	3530	1/1	0.88	0.13	-	45,45,45,45	0
56	MG	1A	3790	1/1	0.97	0.14	-	19,19,19,19	0
56	MG	2A	3118	1/1	0.93	0.28	-	35,35,35,35	0
56	MG	1A	3587	1/1	0.93	0.12	-	39,39,39,39	0
56	MG	2A	3633	1/1	0.96	0.09	-	59,59,59,59	0
56	MG	1F	307	1/1	0.96	0.27	-	34,34,34,34	0
56	MG	1A	3239	1/1	0.82	0.12	-	49,49,49,49	0
56	MG	2a	3060	1/1	0.92	0.22	-	49,49,49,49	0
56	MG	2A	3421	1/1	0.89	0.21	-	54,54,54,54	0
56	MG	1A	4013	1/1	0.98	0.10	-	26,26,26,26	0
56	MG	2A	3141	1/1	0.90	0.22	-	53,53,53,53	0
56	MG	2A	3259	1/1	0.93	0.36	-	46,46,46,46	0
56	MG	2a	3032	1/1	0.78	0.15	-	59,59,59,59	0
56	MG	2A	3326	1/1	0.89	0.18	-	50,50,50,50	0
56	MG	2B	3015	1/1	0.85	0.18	-	54,54,54,54	0
56	MG	2a	3084	1/1	0.81	0.11	-	60,60,60,60	0
56	MG	2A	3214	1/1	0.94	0.11	-	38,38,38,38	0
56	MG	2A	3463	1/1	0.94	0.10	-	40,40,40,40	0
56	MG	2A	3060	1/1	0.88	0.21	-	47,47,47,47	0
56	MG	2A	3821	1/1	0.89	0.11	-	47,47,47,47	0
56	MG	2a	3189	1/1	0.85	0.48	-	73,73,73,73	0
56	MG	1x	113	1/1	0.97	0.16	-	46,46,46,46	0
56	MG	1A	3863	1/1	0.96	0.16	-	46,46,46,46	0
56	MG	1A	4070	1/1	0.94	0.19	-	49,49,49,49	0
56	MG	2a	3069	1/1	0.89	0.09	-	55,55,55,55	0
56	MG	1R	204	1/1	0.92	0.24	-	34,34,34,34	0
56	MG	1A	3966	1/1	0.47	0.14	-	41,41,41,41	0
56	MG	1w	109	1/1	0.77	0.17	-	51,51,51,51	0
56	MG	2A	3090	1/1	0.87	0.17	-	38,38,38,38	0
56	MG	2A	3274	1/1	0.89	0.12	-	47,47,47,47	0
56	MG	1A	3375	1/1	0.91	0.15	-	25,25,25,25	0
56	MG	2A	3036	1/1	0.96	0.09	-	66,66,66,66	0
56	MG	1A	3045	1/1	0.93	0.24	-	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3383	1/1	0.95	0.18	-	28,28,28,28	0
56	MG	1A	3489	1/1	0.89	0.29	-	47,47,47,47	0
56	MG	1A	4084	1/1	0.91	0.18	-	24,24,24,24	0
56	MG	2a	3196	1/1	0.97	0.20	-	53,53,53,53	0
56	MG	2A	3838	1/1	0.87	0.16	-	61,61,61,61	0
56	MG	1A	4010	1/1	0.92	0.37	-	54,54,54,54	0
56	MG	1A	4034	1/1	0.83	0.20	-	53,53,53,53	0
56	MG	1A	3053	1/1	0.97	0.13	-	38,38,38,38	0
56	MG	2A	3538	1/1	0.87	0.17	-	47,47,47,47	0
56	MG	1A	3209	1/1	0.91	0.40	-	45,45,45,45	0
56	MG	1a	3105	1/1	0.93	0.26	-	35,35,35,35	0
56	MG	1a	3183	1/1	0.84	0.14	-	64,64,64,64	0
56	MG	2A	3209	1/1	0.95	0.41	-	55,55,55,55	0
56	MG	1A	4126	1/1	0.95	0.25	-	34,34,34,34	0
56	MG	1A	3054	1/1	0.90	0.27	-	37,37,37,37	0
56	MG	1A	3027	1/1	0.98	0.50	-	16,16,16,16	0
56	MG	1A	3048	1/1	0.96	0.25	-	26,26,26,26	0
56	MG	2B	3014	1/1	0.76	0.22	-	58,58,58,58	0
56	MG	1A	3025	1/1	0.96	0.36	-	12,12,12,12	0
56	MG	1A	3439	1/1	0.88	0.14	-	35,35,35,35	0
56	MG	2A	3085	1/1	0.86	0.19	-	49,49,49,49	0
56	MG	2A	3777	1/1	0.96	0.11	-	55,55,55,55	0
56	MG	1A	3246	1/1	0.92	0.16	-	28,28,28,28	0
56	MG	2A	3057	1/1	0.92	0.36	-	42,42,42,42	0
56	MG	1T	3002	1/1	0.94	0.12	-	33,33,33,33	0
56	MG	2A	3156	1/1	0.82	0.17	-	52,52,52,52	0
56	MG	1A	4048	1/1	0.93	0.13	-	17,17,17,17	0
56	MG	2a	3186	1/1	0.97	0.12	-	37,37,37,37	0
56	MG	1a	3154	1/1	0.91	0.17	-	38,38,38,38	0
56	MG	2A	3535	1/1	0.94	0.19	-	48,48,48,48	0
56	MG	2a	3205	1/1	0.97	0.07	-	66,66,66,66	0
56	MG	2E	307	1/1	0.79	0.16	-	49,49,49,49	0
56	MG	1A	3774	1/1	0.92	0.09	-	25,25,25,25	0
56	MG	1A	3669	1/1	0.94	0.11	-	15,15,15,15	0
56	MG	1A	3874	1/1	0.88	0.12	-	35,35,35,35	0
56	MG	1A	3982	1/1	0.95	0.09	-	31,31,31,31	0
56	MG	2A	3345	1/1	0.86	0.18	-	54,54,54,54	0
56	MG	1A	3519	1/1	0.96	0.10	-	43,43,43,43	0
56	MG	1A	3741	1/1	0.95	0.13	-	11,11,11,11	0
56	MG	1A	3466	1/1	0.90	0.30	-	19,19,19,19	0
56	MG	1B	3014	1/1	0.98	0.20	-	31,31,31,31	0
56	MG	1A	3090	1/1	0.95	0.25	-	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3076	1/1	0.96	0.52	-	46,46,46,46	0
56	MG	1A	3967	1/1	0.88	0.17	-	56,56,56,56	0
56	MG	1A	3160	1/1	0.87	0.10	-	66,66,66,66	0
56	MG	1A	3779	1/1	0.96	0.10	-	25,25,25,25	0
56	MG	1D	309	1/1	0.95	0.24	-	23,23,23,23	0
56	MG	2A	3094	1/1	0.97	0.18	-	43,43,43,43	0
56	MG	2A	3832	1/1	0.94	0.28	-	41,41,41,41	0
56	MG	2A	3721	1/1	0.94	0.08	-	49,49,49,49	0
56	MG	2A	3825	1/1	0.92	0.09	-	58,58,58,58	0
56	MG	2A	3743	1/1	0.68	0.16	-	47,47,47,47	0
56	MG	1A	3781	1/1	0.95	0.19	-	42,42,42,42	0
56	MG	1A	3516	1/1	0.96	0.22	-	37,37,37,37	0
56	MG	1A	3277	1/1	0.86	0.38	-	49,49,49,49	0
56	MG	2A	3297	1/1	0.79	0.19	-	52,52,52,52	0
56	MG	2y	105	1/1	0.86	0.05	-	65,65,65,65	0
56	MG	1A	3056	1/1	0.93	0.18	-	33,33,33,33	0
56	MG	2A	3349	1/1	0.87	0.27	-	45,45,45,45	0
56	MG	1A	3759	1/1	0.99	0.19	-	35,35,35,35	0
56	MG	1A	3834	1/1	0.72	0.14	-	57,57,57,57	0
56	MG	2A	3079	1/1	0.98	0.14	-	50,50,50,50	0
56	MG	2A	3230	1/1	0.95	0.16	-	40,40,40,40	0
56	MG	1A	3868	1/1	0.81	0.14	-	43,43,43,43	0
56	MG	2A	3404	1/1	0.69	0.22	-	65,65,65,65	0
56	MG	2A	3747	1/1	0.93	0.08	-	59,59,59,59	0
56	MG	2A	3133	1/1	0.96	0.30	-	44,44,44,44	0
56	MG	2A	3168	1/1	0.82	0.15	-	71,71,71,71	0
56	MG	2A	3695	1/1	0.80	0.15	-	55,55,55,55	0
56	MG	1B	3033	1/1	0.89	0.20	-	53,53,53,53	0
56	MG	1a	3029	1/1	0.70	0.18	-	63,63,63,63	0
56	MG	2a	3037	1/1	0.91	0.12	-	53,53,53,53	0
56	MG	1A	3623	1/1	0.99	0.19	-	17,17,17,17	0
56	MG	2a	3120	1/1	0.76	0.15	-	75,75,75,75	0
56	MG	2A	3150	1/1	0.92	0.15	-	53,53,53,53	0
56	MG	1A	3678	1/1	0.98	0.24	-	43,43,43,43	0
56	MG	1A	3214	1/1	0.93	0.10	-	46,46,46,46	0
56	MG	1a	3176	1/1	0.88	0.12	-	63,63,63,63	0
56	MG	1A	3343	1/1	0.95	0.18	-	32,32,32,32	0
56	MG	2a	3220	1/1	0.90	0.14	-	57,57,57,57	0
56	MG	1A	3348	1/1	0.94	0.26	-	46,46,46,46	0
56	MG	2A	3195	1/1	0.88	0.22	-	41,41,41,41	0
56	MG	2a	3075	1/1	0.82	0.13	-	54,54,54,54	0
56	MG	1A	3224	1/1	0.91	0.14	-	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3290	1/1	0.92	0.21	-	37,37,37,37	0
56	MG	27	101	1/1	0.98	0.18	-	32,32,32,32	0
56	MG	1A	3361	1/1	0.98	0.18	-	25,25,25,25	0
56	MG	1A	3513	1/1	0.94	0.10	-	34,34,34,34	0
56	MG	1A	3141	1/1	0.96	0.29	-	21,21,21,21	0
56	MG	1A	3806	1/1	0.75	0.21	-	41,41,41,41	0
56	MG	2a	3208	1/1	0.87	0.12	-	69,69,69,69	0
56	MG	1A	3538	1/1	0.89	0.17	-	45,45,45,45	0
56	MG	1a	3078	1/1	0.89	0.12	-	47,47,47,47	0
56	MG	2A	3512	1/1	0.90	0.10	-	29,29,29,29	0
56	MG	2a	3142	1/1	0.75	0.13	-	56,56,56,56	0
56	MG	1A	4097	1/1	0.93	0.22	-	40,40,40,40	0
56	MG	2A	3727	1/1	0.71	0.08	-	45,45,45,45	0
56	MG	2A	3857	1/1	0.93	0.09	-	51,51,51,51	0
56	MG	1A	3004	1/1	0.84	0.18	-	23,23,23,23	0
56	MG	2A	3691	1/1	0.91	0.16	-	51,51,51,51	0
56	MG	1A	3784	1/1	0.86	0.11	-	42,42,42,42	0
56	MG	2A	3829	1/1	0.93	0.20	-	40,40,40,40	0
56	MG	1A	3647	1/1	0.85	0.18	-	27,27,27,27	0
56	MG	1A	3238	1/1	0.96	0.28	-	25,25,25,25	0
56	MG	2A	3365	1/1	0.98	0.13	-	23,23,23,23	0
56	MG	1A	3723	1/1	0.98	0.16	-	46,46,46,46	0
56	MG	2A	3268	1/1	0.70	0.19	-	59,59,59,59	0
56	MG	1A	3139	1/1	0.88	0.16	-	28,28,28,28	0
56	MG	1A	4075	1/1	0.92	0.21	-	39,39,39,39	0
56	MG	1a	3219	1/1	0.90	0.09	-	53,53,53,53	0
56	MG	2A	3662	1/1	0.88	0.10	-	34,34,34,34	0
56	MG	2A	3248	1/1	0.82	0.21	-	51,51,51,51	0
56	MG	1E	307	1/1	0.79	0.16	-	55,55,55,55	0
56	MG	1B	3024	1/1	0.92	0.20	-	49,49,49,49	0
56	MG	1a	3141	1/1	0.96	0.09	-	53,53,53,53	0
56	MG	2A	3002	1/1	0.88	0.11	-	49,49,49,49	0
56	MG	2A	3601	1/1	0.96	0.17	-	45,45,45,45	0
56	MG	1A	3776	1/1	0.89	0.14	-	46,46,46,46	0
56	MG	2a	3180	1/1	0.94	0.11	-	65,65,65,65	0
56	MG	1A	3280	1/1	0.92	0.17	-	25,25,25,25	0
56	MG	1a	3069	1/1	0.97	0.17	-	53,53,53,53	0
56	MG	1A	3903	1/1	0.87	0.09	-	34,34,34,34	0
56	MG	1A	3950	1/1	0.81	0.21	-	46,46,46,46	0
56	MG	2A	3863	1/1	0.88	0.38	-	70,70,70,70	0
56	MG	1A	3128	1/1	0.96	0.11	-	38,38,38,38	0
56	MG	1A	3918	1/1	0.84	0.13	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3038	1/1	0.98	0.18	-	37,37,37,37	0
56	MG	2A	3708	1/1	0.93	0.06	-	48,48,48,48	0
56	MG	1a	3060	1/1	0.89	0.18	-	59,59,59,59	0
56	MG	2v	102	1/1	0.79	0.24	-	62,62,62,62	0
56	MG	2A	3519	1/1	0.96	0.18	-	39,39,39,39	0
56	MG	2A	3468	1/1	0.89	0.15	-	53,53,53,53	0
56	MG	2A	3061	1/1	0.92	0.15	-	38,38,38,38	0
56	MG	1A	3703	1/1	0.98	0.34	-	24,24,24,24	0
56	MG	1A	3467	1/1	0.79	0.31	-	31,31,31,31	0
56	MG	1A	3652	1/1	0.89	0.18	-	41,41,41,41	0
56	MG	1A	3320	1/1	0.91	0.22	-	28,28,28,28	0
56	MG	1A	3350	1/1	0.88	0.35	-	34,34,34,34	0
56	MG	1A	3810	1/1	0.91	0.17	-	27,27,27,27	0
56	MG	1A	3962	1/1	0.74	0.18	-	15,15,15,15	0
56	MG	2A	3686	1/1	0.80	0.45	-	52,52,52,52	0
56	MG	25	102	1/1	0.79	0.18	-	60,60,60,60	0
56	MG	1A	3983	1/1	0.72	0.18	-	14,14,14,14	0
56	MG	1A	3711	1/1	0.98	0.09	-	28,28,28,28	0
56	MG	2a	3227	1/1	0.94	0.11	-	49,49,49,49	0
56	MG	1A	3448	1/1	0.84	0.19	-	28,28,28,28	0
56	MG	2A	3265	1/1	0.81	0.79	-	39,39,39,39	0
56	MG	2A	3641	1/1	0.97	0.08	-	56,56,56,56	0
56	MG	1A	3870	1/1	0.96	0.13	-	25,25,25,25	0
56	MG	2A	3805	1/1	0.94	0.10	-	42,42,42,42	0
57	K	2A	3398	1/1	0.97	0.55	-	70,70,70,70	0
56	MG	1A	3385	1/1	0.86	0.24	-	35,35,35,35	0
56	MG	1A	3929	1/1	0.73	0.17	-	28,28,28,28	0
56	MG	2a	3145	1/1	0.90	0.07	-	64,64,64,64	0
56	MG	1a	3110	1/1	0.96	0.11	-	50,50,50,50	0
56	MG	2A	3574	1/1	0.92	0.10	-	49,49,49,49	0
56	MG	2A	3823	1/1	0.97	0.14	-	48,48,48,48	0
56	MG	1a	3085	1/1	0.81	0.14	-	53,53,53,53	0
56	MG	2A	3135	1/1	0.91	0.79	-	53,53,53,53	0
56	MG	1A	3064	1/1	0.99	0.20	-	6,6,6,6	0
56	MG	2A	3257	1/1	0.82	0.19	-	43,43,43,43	0
56	MG	1A	3715	1/1	0.83	0.12	-	48,48,48,48	0
56	MG	1A	3134	1/1	0.98	0.14	-	8,8,8,8	0
56	MG	1A	3088	1/1	0.88	0.23	-	43,43,43,43	0
56	MG	1A	3423	1/1	0.79	0.18	-	53,53,53,53	0
56	MG	1A	3875	1/1	0.96	0.12	-	22,22,22,22	0
56	MG	1A	4050	1/1	0.88	0.20	-	34,34,34,34	0
56	MG	2A	3428	1/1	0.96	0.11	-	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3301	1/1	0.97	0.35	-	39,39,39,39	0
56	MG	1A	4023	1/1	0.73	0.18	-	31,31,31,31	0
56	MG	2B	3021	1/1	0.91	0.09	-	69,69,69,69	0
56	MG	2a	3068	1/1	0.78	0.23	-	70,70,70,70	0
56	MG	2A	3648	1/1	0.89	0.12	-	33,33,33,33	0
56	MG	1A	3677	1/1	0.97	0.45	-	44,44,44,44	0
56	MG	1A	3744	1/1	0.92	0.11	-	55,55,55,55	0
56	MG	2A	3010	1/1	0.93	0.28	-	31,31,31,31	0
56	MG	2a	3029	1/1	0.90	0.12	-	43,43,43,43	0
56	MG	2A	3166	1/1	0.95	0.23	-	36,36,36,36	0
56	MG	2A	3582	1/1	0.88	0.09	-	57,57,57,57	0
56	MG	2A	3699	1/1	0.88	0.10	-	60,60,60,60	0
56	MG	1d	502	1/1	0.89	0.18	-	41,41,41,41	0
56	MG	1A	3518	1/1	0.85	0.15	-	48,48,48,48	0
56	MG	2A	3177	1/1	0.94	0.17	-	42,42,42,42	0
56	MG	1a	3043	1/1	0.96	0.12	-	49,49,49,49	0
56	MG	1A	3384	1/1	0.94	0.13	-	33,33,33,33	0
56	MG	1A	3660	1/1	0.89	0.17	-	8,8,8,8	0
56	MG	1A	4077	1/1	0.96	0.18	-	53,53,53,53	0
56	MG	1B	3032	1/1	0.95	0.10	-	35,35,35,35	0
56	MG	2A	3476	1/1	0.98	0.10	-	52,52,52,52	0
56	MG	2A	3193	1/1	0.89	0.66	-	40,40,40,40	0
56	MG	1A	3850	1/1	0.88	0.10	-	33,33,33,33	0
56	MG	1A	4065	1/1	0.95	0.07	-	41,41,41,41	0
56	MG	2A	3260	1/1	0.66	0.14	-	48,48,48,48	0
56	MG	1A	3543	1/1	0.94	0.30	-	47,47,47,47	0
56	MG	2A	3126	1/1	0.85	0.15	-	39,39,39,39	0
56	MG	1A	3468	1/1	0.94	0.19	-	26,26,26,26	0
56	MG	1A	3718	1/1	0.94	0.20	-	42,42,42,42	0
56	MG	1A	3832	1/1	0.92	0.14	-	34,34,34,34	0
56	MG	1a	3071	1/1	0.91	0.14	-	41,41,41,41	0
56	MG	1A	3401	1/1	0.91	0.14	-	29,29,29,29	0
56	MG	2A	3344	1/1	0.91	0.13	-	48,48,48,48	0
56	MG	1A	3095	1/1	0.97	0.11	-	29,29,29,29	0
56	MG	1a	3175	1/1	0.81	0.08	-	70,70,70,70	0
56	MG	1A	3443	1/1	0.83	0.17	-	46,46,46,46	0
56	MG	2A	3748	1/1	0.71	0.16	-	48,48,48,48	0
56	MG	1A	3533	1/1	0.97	0.34	-	39,39,39,39	0
56	MG	1A	3661	1/1	0.95	0.14	-	48,48,48,48	0
56	MG	1A	3398	1/1	0.93	0.51	-	48,48,48,48	0
56	MG	1A	3353	1/1	0.84	0.39	-	23,23,23,23	0
56	MG	1A	3621	1/1	0.98	0.16	-	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3049	1/1	0.85	0.15	-	30,30,30,30	0
56	MG	2A	3023	1/1	0.91	0.16	-	34,34,34,34	0
56	MG	1A	3943	1/1	0.86	0.08	-	52,52,52,52	0
56	MG	1a	3135	1/1	0.92	0.08	-	46,46,46,46	0
56	MG	2A	3854	1/1	0.88	0.22	-	50,50,50,50	0
56	MG	2A	3585	1/1	0.90	0.19	-	45,45,45,45	0
56	MG	2A	3470	1/1	0.97	0.13	-	32,32,32,32	0
56	MG	1A	3981	1/1	0.61	0.09	-	49,49,49,49	0
56	MG	1y	105	1/1	0.91	0.24	-	81,81,81,81	0
56	MG	2f	3001	1/1	0.93	0.09	-	42,42,42,42	0
56	MG	2A	3855	1/1	0.96	0.12	-	48,48,48,48	0
56	MG	1A	4085	1/1	0.90	0.10	-	25,25,25,25	0
56	MG	1A	3378	1/1	0.95	0.11	-	25,25,25,25	0
56	MG	2A	3038	1/1	0.89	0.15	-	46,46,46,46	0
56	MG	1A	3821	1/1	0.89	0.12	-	49,49,49,49	0
56	MG	2A	3245	1/1	0.82	0.22	-	58,58,58,58	0
56	MG	2A	3190	1/1	0.96	0.24	-	30,30,30,30	0
56	MG	1a	3055	1/1	0.70	0.11	-	68,68,68,68	0
56	MG	1A	4025	1/1	0.90	0.16	-	18,18,18,18	0
56	MG	1A	3708	1/1	0.94	0.17	-	27,27,27,27	0
56	MG	1A	3634	1/1	0.81	0.23	-	12,12,12,12	0
56	MG	1A	3296	1/1	0.88	0.15	-	34,34,34,34	0
56	MG	2A	3205	1/1	0.91	0.13	-	44,44,44,44	0
56	MG	2A	3412	1/1	0.95	0.22	-	37,37,37,37	0
56	MG	2A	3376	1/1	0.90	0.22	-	47,47,47,47	0
56	MG	1A	3454	1/1	0.95	0.15	-	29,29,29,29	0
56	MG	1B	3003	1/1	0.94	0.29	-	49,49,49,49	0
56	MG	1A	3421	1/1	0.87	0.17	-	46,46,46,46	0
56	MG	2a	3035	1/1	0.84	0.16	-	53,53,53,53	0
56	MG	1A	3270	1/1	0.98	0.49	-	18,18,18,18	0
56	MG	1A	3391	1/1	0.90	0.62	-	47,47,47,47	0
56	MG	1A	4078	1/1	0.84	0.17	-	37,37,37,37	0
56	MG	1A	3939	1/1	0.82	0.24	-	32,32,32,32	0
56	MG	2a	3016	1/1	0.90	0.35	-	47,47,47,47	0
56	MG	2A	3124	1/1	0.78	0.23	-	52,52,52,52	0
56	MG	2A	3155	1/1	0.92	0.16	-	37,37,37,37	0
56	MG	1a	3027	1/1	0.94	0.25	-	42,42,42,42	0
56	MG	1A	3915	1/1	0.84	0.20	-	8,8,8,8	0
56	MG	1x	108	1/1	0.85	0.19	-	47,47,47,47	0
56	MG	1a	3056	1/1	0.79	0.19	-	56,56,56,56	0
56	MG	2A	3170	1/1	0.91	0.22	-	66,66,66,66	0
56	MG	2A	3309	1/1	0.90	0.36	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2j	8002	1/1	0.94	0.08	-	77,77,77,77	0
56	MG	2A	3420	1/1	0.91	0.12	-	40,40,40,40	0
56	MG	1A	3695	1/1	0.99	0.13	-	24,24,24,24	0
56	MG	1A	4083	1/1	0.94	0.14	-	41,41,41,41	0
56	MG	2A	3803	1/1	0.94	0.07	-	52,52,52,52	0
56	MG	2A	3738	1/1	0.97	0.10	-	46,46,46,46	0
56	MG	2A	3029	1/1	0.92	0.18	-	52,52,52,52	0
56	MG	1a	3082	1/1	0.97	0.14	-	45,45,45,45	0
56	MG	2A	3358	1/1	0.88	0.16	-	35,35,35,35	0
56	MG	1A	3619	1/1	0.98	0.18	-	18,18,18,18	0
56	MG	1A	3094	1/1	0.92	0.11	-	43,43,43,43	0
56	MG	2A	3130	1/1	0.95	0.12	-	49,49,49,49	0
56	MG	1A	3930	1/1	0.93	0.14	-	40,40,40,40	0
56	MG	2A	3285	1/1	0.89	0.30	-	68,68,68,68	0
56	MG	2A	3464	1/1	0.90	0.11	-	29,29,29,29	0
56	MG	1A	4031	1/1	0.82	0.15	-	37,37,37,37	0
56	MG	2A	3104	1/1	0.91	0.10	-	30,30,30,30	0
56	MG	1A	3389	1/1	0.96	0.19	-	36,36,36,36	0
56	MG	2A	3752	1/1	0.89	0.14	-	47,47,47,47	0
56	MG	1A	3079	1/1	0.94	0.24	-	25,25,25,25	0
56	MG	1B	3007	1/1	0.84	0.17	-	56,56,56,56	0
56	MG	2A	3698	1/1	0.95	0.14	-	51,51,51,51	0
56	MG	1a	3132	1/1	0.95	0.13	-	51,51,51,51	0
56	MG	1A	3761	1/1	0.96	0.10	-	47,47,47,47	0
56	MG	2A	3003	1/1	0.89	0.19	-	44,44,44,44	0
56	MG	2A	3136	1/1	0.75	0.20	-	54,54,54,54	0
56	MG	2A	3015	1/1	0.97	0.28	-	35,35,35,35	0
56	MG	2A	3796	1/1	0.93	0.13	-	25,25,25,25	0
56	MG	1A	3554	1/1	0.90	0.16	-	36,36,36,36	0
56	MG	1E	306	1/1	0.83	0.34	-	32,32,32,32	0
56	MG	1a	3180	1/1	0.73	0.14	-	55,55,55,55	0
56	MG	2A	3200	1/1	0.81	0.15	-	51,51,51,51	0
56	MG	2a	3015	1/1	0.86	0.20	-	46,46,46,46	0
56	MG	2A	3602	1/1	0.97	0.12	-	37,37,37,37	0
56	MG	2A	3700	1/1	0.94	0.21	-	36,36,36,36	0
56	MG	1A	3396	1/1	0.90	0.18	-	29,29,29,29	0
56	MG	2A	3874	1/1	0.86	0.19	-	37,37,37,37	0
56	MG	2A	3425	1/1	0.91	0.44	-	56,56,56,56	0
56	MG	1A	4007	1/1	0.83	0.17	-	45,45,45,45	0
56	MG	2A	3213	1/1	0.82	0.26	-	61,61,61,61	0
56	MG	1B	3036	1/1	0.94	0.13	-	27,27,27,27	0
56	MG	2x	3002	1/1	0.53	0.14	-	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3112	1/1	0.94	0.29	-	61,61,61,61	0
56	MG	1A	4052	1/1	0.96	0.12	-	49,49,49,49	0
56	MG	10	101	1/1	0.75	0.34	-	43,43,43,43	0
56	MG	2A	3753	1/1	0.83	0.11	-	36,36,36,36	0
56	MG	1A	3237	1/1	0.93	0.15	-	28,28,28,28	0
56	MG	1a	3070	1/1	0.88	0.23	-	44,44,44,44	0
56	MG	1A	3393	1/1	0.85	0.46	-	44,44,44,44	0
56	MG	1A	3119	1/1	0.98	0.52	-	24,24,24,24	0
56	MG	2a	3102	1/1	0.92	0.17	-	60,60,60,60	0
56	MG	2A	3080	1/1	0.77	0.14	-	59,59,59,59	0
56	MG	1O	3004	1/1	0.91	0.19	-	41,41,41,41	0
56	MG	2A	3071	1/1	0.95	0.22	-	53,53,53,53	0
56	MG	2A	3810	1/1	0.84	0.18	-	44,44,44,44	0
56	MG	2A	3513	1/1	0.93	0.16	-	36,36,36,36	0
56	MG	1A	3823	1/1	0.91	0.16	-	17,17,17,17	0
56	MG	1A	3328	1/1	0.70	0.32	-	44,44,44,44	0
56	MG	2a	3042	1/1	0.89	0.10	-	63,63,63,63	0
56	MG	2A	3122	1/1	0.93	0.26	-	41,41,41,41	0
56	MG	1A	3998	1/1	0.53	0.13	-	51,51,51,51	0
56	MG	1A	3980	1/1	0.71	0.09	-	61,61,61,61	0
56	MG	1A	4006	1/1	0.83	0.11	-	53,53,53,53	0
56	MG	17	103	1/1	0.92	0.10	-	36,36,36,36	0
56	MG	2A	3459	1/1	0.85	0.25	-	64,64,64,64	0
56	MG	1A	3873	1/1	0.92	0.12	-	40,40,40,40	0
56	MG	1A	3477	1/1	0.88	0.40	-	30,30,30,30	0
56	MG	1A	3618	1/1	0.93	0.17	-	34,34,34,34	0
56	MG	2A	3473	1/1	0.86	0.38	-	71,71,71,71	0
56	MG	1A	3974	1/1	0.99	0.13	-	8,8,8,8	0
56	MG	1A	3241	1/1	0.94	0.10	-	46,46,46,46	0
56	MG	1A	3092	1/1	0.96	0.18	-	11,11,11,11	0
56	MG	2a	3137	1/1	0.76	0.10	-	48,48,48,48	0
56	MG	1Y	502	1/1	0.93	0.18	-	37,37,37,37	0
56	MG	1A	3551	1/1	0.91	0.19	-	26,26,26,26	0
57	K	1A	3527	1/1	0.97	0.25	-	57,57,57,57	0
56	MG	2a	3006	1/1	0.89	0.13	-	53,53,53,53	0
56	MG	1A	3074	1/1	0.86	0.18	-	37,37,37,37	0
56	MG	2A	3283	1/1	0.94	0.09	-	38,38,38,38	0
56	MG	1A	3812	1/1	0.77	0.09	-	38,38,38,38	0
56	MG	1A	3817	1/1	0.97	0.12	-	28,28,28,28	0
56	MG	1A	3977	1/1	0.97	0.10	-	17,17,17,17	0
56	MG	1A	3848	1/1	0.95	0.10	-	48,48,48,48	0
56	MG	2a	3213	1/1	0.95	0.07	-	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3742	1/1	0.93	0.41	-	69,69,69,69	0
56	MG	2B	3005	1/1	0.96	0.14	-	55,55,55,55	0
56	MG	2A	3683	1/1	0.91	0.13	-	51,51,51,51	0
56	MG	2A	3151	1/1	0.97	0.29	-	46,46,46,46	0
56	MG	2A	3573	1/1	0.90	0.07	-	44,44,44,44	0
56	MG	2A	3583	1/1	0.93	0.11	-	27,27,27,27	0
56	MG	2A	3782	1/1	0.91	0.07	-	44,44,44,44	0
56	MG	2A	3237	1/1	0.98	0.20	-	31,31,31,31	0
56	MG	1A	3508	1/1	0.99	0.17	-	13,13,13,13	0
56	MG	1A	3076	1/1	0.94	0.19	-	26,26,26,26	0
56	MG	2A	3276	1/1	0.85	0.24	-	46,46,46,46	0
56	MG	1A	3530	1/1	0.98	0.29	-	42,42,42,42	0
56	MG	2A	3188	1/1	0.89	1.51	-	41,41,41,41	0
56	MG	1a	3193	1/1	0.93	0.17	-	37,37,37,37	0
56	MG	2A	3490	1/1	0.97	0.08	-	65,65,65,65	0
56	MG	1A	4111	1/1	0.90	0.14	-	20,20,20,20	0
56	MG	2F	301	1/1	0.79	0.43	-	58,58,58,58	0
56	MG	2a	3148	1/1	0.96	0.08	-	65,65,65,65	0
56	MG	2A	3751	1/1	0.89	0.15	-	68,68,68,68	0
56	MG	1A	3497	1/1	0.94	0.18	-	34,34,34,34	0
56	MG	1A	3206	1/1	0.90	0.20	-	34,34,34,34	0
56	MG	1A	3338	1/1	0.92	0.16	-	37,37,37,37	0
56	MG	1a	3090	1/1	0.95	0.23	-	27,27,27,27	0
56	MG	1A	3811	1/1	0.88	0.15	-	41,41,41,41	0
56	MG	2A	3423	1/1	0.92	0.46	-	48,48,48,48	0
56	MG	2A	3318	1/1	0.89	0.17	-	52,52,52,52	0
56	MG	2A	3204	1/1	0.89	0.18	-	68,68,68,68	0
56	MG	1A	3303	1/1	0.91	0.47	-	25,25,25,25	0
56	MG	1a	3108	1/1	0.68	0.33	-	60,60,60,60	0
56	MG	1p	101	1/1	0.94	0.13	-	46,46,46,46	0
56	MG	2A	3510	1/1	0.86	0.19	-	37,37,37,37	0
56	MG	1A	4058	1/1	0.82	0.09	-	71,71,71,71	0
56	MG	2A	3469	1/1	0.96	0.13	-	50,50,50,50	0
56	MG	1A	3931	1/1	0.93	0.10	-	36,36,36,36	0
56	MG	1A	4117	1/1	0.86	0.22	-	52,52,52,52	0
56	MG	2A	3799	1/1	0.94	0.10	-	59,59,59,59	0
56	MG	2A	3099	1/1	0.73	0.17	-	43,43,43,43	0
56	MG	2A	3059	1/1	0.97	0.12	-	29,29,29,29	0
56	MG	2A	3862	1/1	0.96	0.07	-	35,35,35,35	0
56	MG	1A	3553	1/1	0.88	0.17	-	32,32,32,32	0
56	MG	1B	3008	1/1	0.85	0.16	-	53,53,53,53	0
56	MG	1A	3795	1/1	0.94	0.12	-	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3142	1/1	0.93	0.26	-	63,63,63,63	0
56	MG	2A	3504	1/1	0.95	0.07	-	41,41,41,41	0
56	MG	2A	3793	1/1	0.97	0.11	-	19,19,19,19	0
56	MG	2A	3714	1/1	0.85	0.11	-	44,44,44,44	0
56	MG	1A	3207	1/1	0.91	0.29	-	25,25,25,25	0
56	MG	2A	3287	1/1	0.95	0.62	-	45,45,45,45	0
56	MG	2A	3612	1/1	0.89	0.44	-	60,60,60,60	0
56	MG	2A	3680	1/1	0.90	0.12	-	52,52,52,52	0
56	MG	2a	3159	1/1	0.88	0.09	-	58,58,58,58	0
56	MG	2A	3705	1/1	0.95	0.17	-	51,51,51,51	0
56	MG	2a	3021	1/1	0.75	0.17	-	64,64,64,64	0
56	MG	1O	3003	1/1	0.95	0.11	-	42,42,42,42	0
56	MG	1a	3044	1/1	0.91	0.19	-	50,50,50,50	0
56	MG	1A	3720	1/1	0.94	0.18	-	19,19,19,19	0
56	MG	2A	3212	1/1	0.79	0.20	-	54,54,54,54	0
56	MG	1Q	3005	1/1	0.95	0.10	-	25,25,25,25	0
56	MG	2a	3041	1/1	0.82	0.21	-	43,43,43,43	0
56	MG	2A	3819	1/1	0.90	0.09	-	48,48,48,48	0
56	MG	1B	3025	1/1	0.92	0.20	-	21,21,21,21	0
56	MG	1A	3200	1/1	0.87	0.21	-	47,47,47,47	0
56	MG	2A	3321	1/1	0.83	0.14	-	50,50,50,50	0
56	MG	1A	4069	1/1	0.93	0.17	-	26,26,26,26	0
56	MG	1A	3273	1/1	0.96	0.31	-	46,46,46,46	0
56	MG	2A	3082	1/1	0.72	0.19	-	52,52,52,52	0
56	MG	2A	3142	1/1	0.83	0.14	-	41,41,41,41	0
56	MG	1A	4073	1/1	0.98	0.12	-	39,39,39,39	0
56	MG	1Q	3003	1/1	0.87	0.18	-	40,40,40,40	0
56	MG	1f	3002	1/1	0.85	0.25	-	60,60,60,60	0
56	MG	2A	3232	1/1	0.91	0.10	-	42,42,42,42	0
56	MG	1A	3787	1/1	0.92	0.16	-	40,40,40,40	0
56	MG	2w	3003	1/1	0.81	0.19	-	51,51,51,51	0
56	MG	2A	3323	1/1	0.85	0.25	-	54,54,54,54	0
56	MG	2A	3163	1/1	0.87	0.15	-	53,53,53,53	0
56	MG	2A	3697	1/1	0.93	0.24	-	51,51,51,51	0
56	MG	2A	3361	1/1	0.98	0.25	-	36,36,36,36	0
56	MG	1l	202	1/1	0.86	0.08	-	61,61,61,61	0
56	MG	1A	3220	1/1	0.96	0.33	-	17,17,17,17	0
56	MG	2A	3235	1/1	0.84	0.21	-	47,47,47,47	0
56	MG	1A	3622	1/1	0.94	0.12	-	37,37,37,37	0
56	MG	1a	3230	1/1	0.93	0.09	-	49,49,49,49	0
56	MG	2A	3072	1/1	0.61	0.32	-	61,61,61,61	0
56	MG	1A	3479	1/1	0.88	0.19	-	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3227	1/1	0.61	0.22	-	69,69,69,69	0
56	MG	1A	3390	1/1	0.93	0.17	-	32,32,32,32	0
56	MG	2A	3842	1/1	0.94	0.14	-	41,41,41,41	0
56	MG	1A	3917	1/1	0.85	0.19	-	52,52,52,52	0
56	MG	2a	3217	1/1	0.93	0.14	-	62,62,62,62	0
56	MG	1A	3301	1/1	0.80	0.29	-	54,54,54,54	0
56	MG	1A	4040	1/1	0.88	0.18	-	52,52,52,52	0
56	MG	1A	3620	1/1	0.98	0.16	-	26,26,26,26	0
56	MG	2a	3001	1/1	0.90	0.38	-	56,56,56,56	0
56	MG	2a	3127	1/1	0.80	0.05	-	66,66,66,66	0
56	MG	1A	4091	1/1	0.95	0.15	-	28,28,28,28	0
56	MG	1A	3814	1/1	0.99	0.09	-	38,38,38,38	0
56	MG	1l	104	1/1	0.94	0.24	-	53,53,53,53	0
56	MG	2A	3766	1/1	0.49	0.36	-	85,85,85,85	0
56	MG	2A	3183	1/1	0.95	0.13	-	54,54,54,54	0
56	MG	2A	3311	1/1	0.93	0.12	-	38,38,38,38	0
56	MG	1Z	304	1/1	0.93	0.24	-	40,40,40,40	0
56	MG	1A	3144	1/1	0.85	0.47	-	39,39,39,39	0
56	MG	2A	3351	1/1	0.92	0.24	-	59,59,59,59	0
56	MG	1a	3079	1/1	0.97	0.18	-	30,30,30,30	0
56	MG	1A	3001	1/1	0.97	0.14	-	22,22,22,22	0
56	MG	1A	3972	1/1	0.98	0.16	-	35,35,35,35	0
56	MG	1A	3458	1/1	0.84	0.19	-	49,49,49,49	0
56	MG	2A	3797	1/1	0.84	0.35	-	57,57,57,57	0
56	MG	2a	3200	1/1	0.89	0.09	-	64,64,64,64	0
56	MG	1A	3316	1/1	0.93	0.19	-	49,49,49,49	0
56	MG	2A	3336	1/1	0.97	0.13	-	45,45,45,45	0
56	MG	2A	3277	1/1	0.93	0.10	-	46,46,46,46	0
56	MG	1a	3178	1/1	0.93	0.10	-	41,41,41,41	0
56	MG	1A	4051	1/1	0.93	0.10	-	44,44,44,44	0
56	MG	1A	3341	1/1	0.93	0.30	-	29,29,29,29	0
56	MG	1A	4104	1/1	0.85	0.10	-	47,47,47,47	0
56	MG	2A	3414	1/1	0.70	0.25	-	55,55,55,55	0
56	MG	1A	3287	1/1	0.87	0.17	-	25,25,25,25	0
56	MG	1A	3403	1/1	0.86	0.16	-	29,29,29,29	0
56	MG	1A	3969	1/1	0.95	0.11	-	33,33,33,33	0
56	MG	2A	3084	1/1	0.85	0.32	-	71,71,71,71	0
56	MG	2A	3300	1/1	0.97	0.15	-	37,37,37,37	0
56	MG	2A	3878	1/1	0.97	0.17	-	36,36,36,36	0
56	MG	1A	3735	1/1	0.89	0.13	-	25,25,25,25	0
56	MG	1a	3023	1/1	0.78	0.24	-	47,47,47,47	0
56	MG	1a	3021	1/1	0.96	0.21	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3149	1/1	0.80	0.16	-	67,67,67,67	0
56	MG	2A	3175	1/1	0.88	0.14	-	45,45,45,45	0
56	MG	2a	3100	1/1	0.98	0.17	-	51,51,51,51	0
56	MG	2a	3214	1/1	0.92	0.10	-	51,51,51,51	0
56	MG	1A	3568	1/1	0.92	0.16	-	51,51,51,51	0
56	MG	1A	3050	1/1	0.94	0.15	-	39,39,39,39	0
56	MG	2A	3736	1/1	0.79	0.38	-	72,72,72,72	0
56	MG	1A	3364	1/1	0.96	0.41	-	23,23,23,23	0
56	MG	1A	3441	1/1	0.91	0.22	-	40,40,40,40	0
56	MG	1A	3693	1/1	0.90	0.11	-	45,45,45,45	0
56	MG	1W	205	1/1	0.96	0.22	-	24,24,24,24	0
56	MG	1A	3096	1/1	0.87	0.14	-	54,54,54,54	0
56	MG	1A	3605	1/1	0.98	0.11	-	32,32,32,32	0
56	MG	2a	3147	1/1	0.94	0.14	-	45,45,45,45	0
56	MG	2A	3005	1/1	0.95	0.16	-	38,38,38,38	0
56	MG	2B	3007	1/1	0.86	0.10	-	53,53,53,53	0
56	MG	2a	3122	1/1	0.91	0.04	-	73,73,73,73	0
56	MG	2A	3717	1/1	0.96	0.09	-	39,39,39,39	0
56	MG	1A	3944	1/1	0.91	0.05	-	53,53,53,53	0
56	MG	1A	3145	1/1	0.98	0.12	-	18,18,18,18	0
56	MG	1x	109	1/1	0.95	0.10	-	68,68,68,68	0
56	MG	2a	3088	1/1	0.92	0.15	-	67,67,67,67	0
56	MG	2A	3275	1/1	0.95	0.18	-	47,47,47,47	0
56	MG	2A	3567	1/1	0.94	0.13	-	45,45,45,45	0
56	MG	2R	201	1/1	0.92	0.15	-	39,39,39,39	0
56	MG	2A	3650	1/1	0.86	0.18	-	53,53,53,53	0
56	MG	1A	3630	1/1	0.92	0.21	-	12,12,12,12	0
56	MG	1V	201	1/1	0.87	0.19	-	25,25,25,25	0
56	MG	2A	3677	1/1	0.89	0.58	-	43,43,43,43	0
56	MG	2A	3089	1/1	0.79	0.20	-	56,56,56,56	0
56	MG	2A	3172	1/1	0.97	0.73	-	44,44,44,44	0
56	MG	2A	3841	1/1	0.93	0.10	-	62,62,62,62	0
56	MG	2A	3313	1/1	0.97	0.13	-	46,46,46,46	0
56	MG	1A	3434	1/1	0.95	0.15	-	24,24,24,24	0
56	MG	2A	3867	1/1	0.91	0.13	-	36,36,36,36	0
56	MG	1a	3009	1/1	0.91	0.16	-	44,44,44,44	0
56	MG	2A	3443	1/1	0.88	0.11	-	50,50,50,50	0
56	MG	1a	3166	1/1	0.87	0.10	-	55,55,55,55	0
56	MG	2A	3525	1/1	0.97	0.12	-	38,38,38,38	0
56	MG	1a	3203	1/1	0.91	0.06	-	56,56,56,56	0
56	MG	1A	3263	1/1	0.93	0.41	-	31,31,31,31	0
56	MG	2A	3395	1/1	0.89	0.21	-	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1E	309	1/1	0.87	0.11	-	45,45,45,45	0
56	MG	1A	4113	1/1	0.91	0.12	-	44,44,44,44	0
56	MG	2A	3636	1/1	0.96	0.31	-	62,62,62,62	0
56	MG	2A	3305	1/1	0.94	0.12	-	53,53,53,53	0
56	MG	2a	3223	1/1	0.95	0.09	-	54,54,54,54	0
56	MG	1A	3148	1/1	0.93	0.30	-	23,23,23,23	0
56	MG	1A	3545	1/1	0.79	0.19	-	60,60,60,60	0
56	MG	1A	3410	1/1	0.94	0.32	-	20,20,20,20	0
56	MG	1A	3580	1/1	0.95	0.20	-	33,33,33,33	0
56	MG	1A	3585	1/1	0.97	0.21	-	15,15,15,15	0
56	MG	1x	102	1/1	0.88	0.21	-	50,50,50,50	0
56	MG	1A	3104	1/1	0.83	0.15	-	29,29,29,29	0
56	MG	1A	3113	1/1	0.95	0.51	-	40,40,40,40	0
56	MG	2A	3436	1/1	0.92	0.10	-	40,40,40,40	0
56	MG	2A	3353	1/1	0.82	0.24	-	44,44,44,44	0
56	MG	1A	3112	1/1	0.96	0.46	-	29,29,29,29	0
56	MG	1A	3667	1/1	0.93	0.14	-	35,35,35,35	0
56	MG	1x	111	1/1	0.95	0.12	-	52,52,52,52	0
56	MG	1B	3002	1/1	0.99	0.26	-	27,27,27,27	0
56	MG	2q	202	1/1	0.93	0.09	-	64,64,64,64	0
56	MG	2A	3840	1/1	0.90	0.17	-	68,68,68,68	0
56	MG	2a	3104	1/1	0.95	0.24	-	34,34,34,34	0
56	MG	1A	3838	1/1	0.88	0.11	-	35,35,35,35	0
56	MG	1A	3844	1/1	0.96	0.37	-	21,21,21,21	0
56	MG	1A	3491	1/1	0.97	0.09	-	40,40,40,40	0
56	MG	2A	3026	1/1	0.86	0.18	-	47,47,47,47	0
56	MG	1Z	302	1/1	0.98	0.20	-	26,26,26,26	0
56	MG	1A	3212	1/1	0.87	0.32	-	36,36,36,36	0
56	MG	2B	3018	1/1	0.75	0.20	-	74,74,74,74	0
56	MG	1A	3992	1/1	0.94	0.15	-	28,28,28,28	0
56	MG	2A	3139	1/1	0.83	0.12	-	69,69,69,69	0
56	MG	1A	3596	1/1	0.95	0.07	-	20,20,20,20	0
56	MG	1A	3227	1/1	0.77	0.40	-	28,28,28,28	0
56	MG	1A	3955	1/1	0.89	0.25	-	48,48,48,48	0
56	MG	1A	3770	1/1	0.77	0.10	-	43,43,43,43	0
56	MG	2A	3197	1/1	0.91	0.11	-	46,46,46,46	0
56	MG	2A	3833	1/1	0.96	0.20	-	42,42,42,42	0
56	MG	2A	3339	1/1	0.68	0.46	-	68,68,68,68	0
56	MG	2B	3012	1/1	0.83	0.19	-	63,63,63,63	0
56	MG	1A	3576	1/1	0.94	0.19	-	39,39,39,39	0
56	MG	1A	3659	1/1	0.94	0.15	-	6,6,6,6	0
56	MG	2a	3197	1/1	0.94	0.17	-	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3040	1/1	0.95	0.21	-	38,38,38,38	0
56	MG	2A	3813	1/1	0.93	0.13	-	51,51,51,51	0
56	MG	2A	3308	1/1	0.87	0.19	-	50,50,50,50	0
56	MG	1A	3524	1/1	0.90	0.26	-	30,30,30,30	0
56	MG	1A	3574	1/1	0.94	0.20	-	27,27,27,27	0
56	MG	1s	3001	1/1	0.94	0.25	-	42,42,42,42	0
56	MG	2A	3296	1/1	0.94	0.19	-	63,63,63,63	0
56	MG	1a	3024	1/1	0.96	0.25	-	37,37,37,37	0
56	MG	1a	3104	1/1	0.81	0.26	-	49,49,49,49	0
56	MG	2a	3086	1/1	0.92	0.12	-	57,57,57,57	0
56	MG	2A	3236	1/1	0.91	0.13	-	50,50,50,50	0
56	MG	1A	3189	1/1	0.92	0.28	-	29,29,29,29	0
56	MG	20	3001	1/1	0.77	0.17	-	57,57,57,57	0
56	MG	1A	4029	1/1	0.96	0.17	-	35,35,35,35	0
56	MG	1A	3799	1/1	0.96	0.17	-	32,32,32,32	0
56	MG	2a	3157	1/1	0.86	0.16	-	73,73,73,73	0
56	MG	2a	3181	1/1	0.88	0.16	-	52,52,52,52	0
56	MG	2A	3152	1/1	0.95	0.19	-	37,37,37,37	0
56	MG	2A	3289	1/1	0.97	0.11	-	58,58,58,58	0
56	MG	10	103	1/1	0.97	0.22	-	24,24,24,24	0
56	MG	1A	3015	1/1	0.92	0.28	-	20,20,20,20	0
56	MG	1A	3210	1/1	0.97	0.43	-	37,37,37,37	0
56	MG	1A	3997	1/1	0.89	0.19	-	52,52,52,52	0
56	MG	1A	3138	1/1	0.96	0.33	-	16,16,16,16	0
56	MG	1A	3371	1/1	0.97	0.47	-	32,32,32,32	0
56	MG	2A	3053	1/1	0.92	0.45	-	30,30,30,30	0
56	MG	2A	3343	1/1	0.58	0.25	-	65,65,65,65	0
56	MG	1a	3210	1/1	0.69	0.08	-	57,57,57,57	0
56	MG	2a	3048	1/1	0.86	0.09	-	61,61,61,61	0
56	MG	1a	3235	1/1	0.82	0.36	-	68,68,68,68	0
56	MG	1a	3031	1/1	0.89	0.15	-	48,48,48,48	0
56	MG	1A	3829	1/1	0.88	0.16	-	52,52,52,52	0
56	MG	1a	3159	1/1	0.89	0.08	-	52,52,52,52	0
56	MG	1A	3968	1/1	0.92	0.15	-	53,53,53,53	0
56	MG	1A	3613	1/1	0.97	0.14	-	18,18,18,18	0
56	MG	1A	3133	1/1	0.91	0.21	-	17,17,17,17	0
56	MG	1A	3704	1/1	0.93	0.09	-	37,37,37,37	0
56	MG	1A	3510	1/1	0.91	0.26	-	29,29,29,29	0
56	MG	1E	303	1/1	0.96	0.25	-	23,23,23,23	0
56	MG	1a	3084	1/1	0.93	0.08	-	42,42,42,42	0
56	MG	2A	3758	1/1	0.94	0.07	-	42,42,42,42	0
56	MG	1A	3752	1/1	0.60	0.15	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3039	1/1	0.87	0.28	-	61,61,61,61	0
56	MG	2a	3154	1/1	0.94	0.07	-	66,66,66,66	0
56	MG	2w	3004	1/1	0.93	0.15	-	60,60,60,60	0
56	MG	1A	3021	1/1	0.93	0.37	-	20,20,20,20	0
56	MG	1A	3386	1/1	0.95	0.10	-	34,34,34,34	0
56	MG	1A	3856	1/1	0.93	0.12	-	40,40,40,40	0
56	MG	2A	3272	1/1	0.91	0.24	-	43,43,43,43	0
56	MG	1a	3206	1/1	0.93	0.10	-	54,54,54,54	0
56	MG	2A	3433	1/1	0.91	0.18	-	51,51,51,51	0
56	MG	2A	3179	1/1	0.94	0.35	-	56,56,56,56	0
56	MG	1A	3178	1/1	0.96	0.25	-	42,42,42,42	0
56	MG	2a	3083	1/1	0.98	0.14	-	42,42,42,42	0
56	MG	1A	4060	1/1	0.96	0.14	-	25,25,25,25	0
56	MG	1A	3351	1/1	0.96	0.28	-	27,27,27,27	0
56	MG	2a	3014	1/1	0.85	0.13	-	60,60,60,60	0
56	MG	2A	3211	1/1	0.95	0.11	-	58,58,58,58	0
56	MG	1A	3676	1/1	0.86	0.13	-	32,32,32,32	0
56	MG	2A	3486	1/1	0.95	0.09	-	46,46,46,46	0
56	MG	1A	3279	1/1	0.96	0.22	-	12,12,12,12	0
56	MG	1A	3470	1/1	0.93	0.20	-	33,33,33,33	0
56	MG	1a	3123	1/1	0.94	0.27	-	40,40,40,40	0
56	MG	1A	4105	1/1	0.77	0.23	-	44,44,44,44	0
56	MG	2A	3413	1/1	0.92	0.17	-	50,50,50,50	0
56	MG	1A	3869	1/1	0.97	0.24	-	39,39,39,39	0
56	MG	2a	3167	1/1	0.96	0.19	-	37,37,37,37	0
56	MG	1Y	503	1/1	0.88	0.24	-	58,58,58,58	0
56	MG	2a	3224	1/1	0.87	0.14	-	51,51,51,51	0
56	MG	1A	3295	1/1	0.96	0.18	-	42,42,42,42	0
56	MG	1a	3189	1/1	0.89	0.25	-	56,56,56,56	0
56	MG	2A	3419	1/1	0.99	0.19	-	28,28,28,28	0
56	MG	2A	3725	1/1	0.82	0.29	-	67,67,67,67	0
56	MG	1T	3001	1/1	0.94	0.23	-	50,50,50,50	0
56	MG	2A	3786	1/1	0.85	0.08	-	57,57,57,57	0
56	MG	1B	3001	1/1	0.94	0.28	-	27,27,27,27	0
56	MG	2p	3001	1/1	0.87	0.13	-	45,45,45,45	0
56	MG	2A	3722	1/1	0.90	0.26	-	57,57,57,57	0
56	MG	1A	3481	1/1	0.82	0.17	-	66,66,66,66	0
56	MG	1a	3013	1/1	0.82	0.17	-	48,48,48,48	0
56	MG	2A	3279	1/1	0.88	0.13	-	51,51,51,51	0
56	MG	1A	3249	1/1	0.89	0.15	-	49,49,49,49	0
56	MG	2A	3055	1/1	0.94	0.11	-	24,24,24,24	0
56	MG	2A	3515	1/1	0.95	0.14	-	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	3101	1/1	0.91	0.20	-	48,48,48,48	0
56	MG	10	104	1/1	0.84	0.13	-	30,30,30,30	0
56	MG	1A	3052	1/1	0.90	0.18	-	29,29,29,29	0
56	MG	1a	3143	1/1	0.79	0.12	-	52,52,52,52	0
56	MG	1A	3593	1/1	0.93	0.14	-	41,41,41,41	0
56	MG	2A	3369	1/1	0.86	0.20	-	58,58,58,58	0
56	MG	2a	3144	1/1	0.74	0.15	-	76,76,76,76	0
56	MG	2A	3173	1/1	0.92	0.16	-	39,39,39,39	0
56	MG	2A	3540	1/1	0.97	0.25	-	32,32,32,32	0
56	MG	15	104	1/1	0.86	0.23	-	40,40,40,40	0
56	MG	2A	3392	1/1	0.96	0.23	-	35,35,35,35	0
56	MG	2A	3347	1/1	0.80	0.22	-	58,58,58,58	0
56	MG	2a	3129	1/1	0.60	0.14	-	64,64,64,64	0
56	MG	1a	3131	1/1	0.88	0.15	-	46,46,46,46	0
56	MG	2A	3660	1/1	0.89	0.17	-	31,31,31,31	0
56	MG	2A	3314	1/1	0.96	0.08	-	40,40,40,40	0
56	MG	2a	3052	1/1	0.96	0.22	-	55,55,55,55	0
56	MG	1A	3462	1/1	0.83	0.24	-	38,38,38,38	0
56	MG	2A	3811	1/1	0.98	0.06	-	54,54,54,54	0
56	MG	2A	3668	1/1	0.94	0.11	-	57,57,57,57	0
56	MG	2A	3496	1/1	0.91	0.14	-	42,42,42,42	0
56	MG	2A	3383	1/1	0.96	0.16	-	43,43,43,43	0
56	MG	2e	3001	1/1	0.97	0.13	-	58,58,58,58	0
56	MG	2A	3375	1/1	0.90	0.17	-	47,47,47,47	0
56	MG	2A	3052	1/1	0.94	0.25	-	37,37,37,37	0
56	MG	1A	3876	1/1	0.94	0.11	-	30,30,30,30	0
56	MG	2x	3006	1/1	0.97	0.15	-	58,58,58,58	0
56	MG	1A	3456	1/1	0.90	0.19	-	41,41,41,41	0
56	MG	1A	3934	1/1	0.91	0.10	-	14,14,14,14	0
56	MG	1B	3020	1/1	0.95	0.18	-	28,28,28,28	0
56	MG	1A	3146	1/1	0.94	0.40	-	38,38,38,38	0
56	MG	1w	101	1/1	0.97	0.18	-	67,67,67,67	0
56	MG	1A	3222	1/1	0.96	0.30	-	28,28,28,28	0
56	MG	2A	3696	1/1	0.92	0.16	-	42,42,42,42	0
56	MG	1a	3010	1/1	0.84	0.15	-	53,53,53,53	0
56	MG	1A	3936	1/1	0.98	0.07	-	40,40,40,40	0
56	MG	1a	3075	1/1	0.86	0.18	-	58,58,58,58	0
56	MG	2A	3558	1/1	0.90	0.09	-	29,29,29,29	0
56	MG	1A	3435	1/1	0.89	0.44	-	51,51,51,51	0
56	MG	1w	102	1/1	0.71	0.36	-	54,54,54,54	0
56	MG	2A	3352	1/1	0.85	0.11	-	57,57,57,57	0
56	MG	2Q	203	1/1	0.88	0.29	-	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3978	1/1	0.81	0.18	-	57,57,57,57	0
56	MG	1A	3409	1/1	0.91	0.20	-	52,52,52,52	0
56	MG	2A	3128	1/1	0.92	0.11	-	50,50,50,50	0
56	MG	2A	3509	1/1	0.85	0.17	-	51,51,51,51	0
56	MG	2a	3044	1/1	0.79	0.15	-	68,68,68,68	0
56	MG	1A	3529	1/1	0.95	0.17	-	32,32,32,32	0
56	MG	1A	3862	1/1	0.92	0.22	-	15,15,15,15	0
56	MG	1A	3234	1/1	0.93	0.13	-	25,25,25,25	0
56	MG	2j	8001	1/1	0.74	0.16	-	77,77,77,77	0
56	MG	1A	3253	1/1	0.88	0.22	-	43,43,43,43	0
56	MG	1A	3319	1/1	0.89	0.26	-	38,38,38,38	0
56	MG	1A	3534	1/1	0.95	0.22	-	40,40,40,40	0
56	MG	2a	3036	1/1	0.78	0.09	-	50,50,50,50	0
56	MG	1A	3171	1/1	0.98	0.14	-	21,21,21,21	0
56	MG	2A	3765	1/1	0.92	0.12	-	39,39,39,39	0
56	MG	2A	3266	1/1	0.78	0.27	-	53,53,53,53	0
56	MG	1A	3172	1/1	0.96	0.39	-	22,22,22,22	0
56	MG	2A	3565	1/1	0.94	0.15	-	51,51,51,51	0
56	MG	1A	3505	1/1	0.92	0.27	-	25,25,25,25	0
56	MG	1A	3938	1/1	0.94	0.10	-	32,32,32,32	0
56	MG	1B	3011	1/1	0.90	0.38	-	29,29,29,29	0
56	MG	1B	3012	1/1	0.94	0.07	-	39,39,39,39	0
56	MG	2A	3278	1/1	0.89	0.14	-	35,35,35,35	0
56	MG	2a	3176	1/1	0.88	0.10	-	55,55,55,55	0
56	MG	1A	3626	1/1	0.95	0.18	-	19,19,19,19	0
56	MG	2A	3242	1/1	0.86	0.20	-	47,47,47,47	0
56	MG	1A	3924	1/1	0.71	0.19	-	40,40,40,40	0
56	MG	1A	3306	1/1	0.88	0.14	-	43,43,43,43	0
56	MG	1A	4036	1/1	0.69	0.14	-	37,37,37,37	0
56	MG	1A	4100	1/1	0.95	0.53	-	18,18,18,18	0
56	MG	1A	3783	1/1	0.95	0.19	-	24,24,24,24	0
56	MG	1A	3373	1/1	0.95	0.13	-	30,30,30,30	0
56	MG	1A	3701	1/1	0.91	0.13	-	42,42,42,42	0
56	MG	1A	3665	1/1	0.84	0.14	-	14,14,14,14	0
56	MG	1w	111	1/1	0.92	0.09	-	37,37,37,37	0
56	MG	1a	3133	1/1	0.96	0.10	-	48,48,48,48	0
56	MG	2A	3299	1/1	0.90	0.14	-	46,46,46,46	0
56	MG	1A	3493	1/1	0.94	0.13	-	63,63,63,63	0
56	MG	2A	3527	1/1	0.99	0.24	-	41,41,41,41	0
56	MG	1A	3418	1/1	0.95	0.16	-	36,36,36,36	0
56	MG	2U	202	1/1	0.60	0.49	-	63,63,63,63	0
56	MG	2A	3441	1/1	0.95	0.12	-	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3579	1/1	0.65	0.24	-	65,65,65,65	0
56	MG	2A	3021	1/1	0.59	0.19	-	64,64,64,64	0
56	MG	1A	3282	1/1	0.92	0.13	-	48,48,48,48	0
56	MG	1A	3846	1/1	0.99	0.24	-	18,18,18,18	0
56	MG	1A	4059	1/1	0.97	0.14	-	34,34,34,34	0
56	MG	2A	3335	1/1	0.97	0.10	-	48,48,48,48	0
56	MG	2a	3051	1/1	0.93	0.12	-	52,52,52,52	0
56	MG	2A	3208	1/1	0.94	0.16	-	29,29,29,29	0
56	MG	1A	3830	1/1	0.83	0.14	-	40,40,40,40	0
56	MG	2a	3211	1/1	0.77	0.13	-	62,62,62,62	0
56	MG	1E	301	1/1	0.92	0.44	-	18,18,18,18	0
56	MG	1A	3062	1/1	0.93	0.21	-	36,36,36,36	0
56	MG	2A	3562	1/1	0.73	0.12	-	32,32,32,32	0
56	MG	1A	3412	1/1	0.87	0.25	-	41,41,41,41	0
56	MG	1A	3453	1/1	0.92	0.22	-	44,44,44,44	0
56	MG	1a	3111	1/1	0.87	0.16	-	54,54,54,54	0
56	MG	2a	3067	1/1	0.91	0.12	-	45,45,45,45	0
56	MG	1A	3225	1/1	0.90	0.41	-	42,42,42,42	0
56	MG	1a	3022	1/1	0.94	0.11	-	52,52,52,52	0
56	MG	1a	3164	1/1	0.86	0.14	-	41,41,41,41	0
56	MG	1A	3254	1/1	0.95	0.12	-	32,32,32,32	0
56	MG	1a	3134	1/1	0.86	0.17	-	38,38,38,38	0
56	MG	2A	3547	1/1	0.88	0.22	-	48,48,48,48	0
56	MG	1A	3325	1/1	0.87	0.29	-	44,44,44,44	0
56	MG	1A	3394	1/1	0.98	0.17	-	39,39,39,39	0
56	MG	1A	3402	1/1	0.92	0.28	-	27,27,27,27	0
56	MG	2x	3001	1/1	0.79	0.20	-	60,60,60,60	0
56	MG	1a	3077	1/1	0.83	0.15	-	58,58,58,58	0
56	MG	1A	3256	1/1	0.94	0.23	-	20,20,20,20	0
56	MG	2A	3792	1/1	0.91	0.11	-	37,37,37,37	0
56	MG	1A	3537	1/1	0.90	0.18	-	38,38,38,38	0
56	MG	1A	4061	1/1	0.87	0.19	-	27,27,27,27	0
56	MG	2a	3092	1/1	0.88	0.27	-	59,59,59,59	0
56	MG	1A	3925	1/1	0.85	0.09	-	39,39,39,39	0
56	MG	2A	3247	1/1	0.80	0.20	-	64,64,64,64	0
56	MG	1A	3154	1/1	0.86	0.20	-	34,34,34,34	0
56	MG	1A	3472	1/1	0.81	0.32	-	52,52,52,52	0
56	MG	2F	302	1/1	0.97	0.14	-	39,39,39,39	0
56	MG	1A	3933	1/1	0.80	0.11	-	46,46,46,46	0
56	MG	2B	3016	1/1	0.90	0.15	-	63,63,63,63	0
56	MG	1A	3606	1/1	0.95	0.14	-	37,37,37,37	0
56	MG	1a	3158	1/1	0.96	0.09	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3683	1/1	0.98	0.09	-	39,39,39,39	0
56	MG	2T	3002	1/1	0.94	0.14	-	38,38,38,38	0
56	MG	1A	3226	1/1	0.94	0.22	-	42,42,42,42	0
56	MG	2A	3613	1/1	0.92	0.09	-	38,38,38,38	0
56	MG	1A	3858	1/1	0.76	0.16	-	21,21,21,21	0
56	MG	2A	3483	1/1	0.74	0.13	-	35,35,35,35	0
56	MG	2A	3493	1/1	0.72	0.19	-	46,46,46,46	0
56	MG	2a	3045	1/1	0.96	0.13	-	55,55,55,55	0
56	MG	1a	3114	1/1	0.90	0.14	-	26,26,26,26	0
56	MG	2A	3586	1/1	0.93	0.25	-	41,41,41,41	0
56	MG	2A	3078	1/1	0.93	0.15	-	31,31,31,31	0
56	MG	1A	3584	1/1	0.95	0.12	-	7,7,7,7	0
56	MG	1A	3570	1/1	0.97	0.15	-	16,16,16,16	0
56	MG	1G	3005	1/1	0.97	0.10	-	50,50,50,50	0
56	MG	1a	3196	1/1	0.82	0.12	-	51,51,51,51	0
56	MG	1A	3184	1/1	0.91	0.31	-	37,37,37,37	0
56	MG	2A	3834	1/1	0.94	0.22	-	47,47,47,47	0
56	MG	2a	3139	1/1	0.90	0.09	-	41,41,41,41	0
56	MG	1A	4002	1/1	0.88	0.08	-	53,53,53,53	0
56	MG	2A	3110	1/1	0.87	0.15	-	49,49,49,49	0
56	MG	1A	3305	1/1	0.95	0.31	-	23,23,23,23	0
56	MG	1V	202	1/1	0.92	0.14	-	52,52,52,52	0
56	MG	2A	3794	1/1	0.71	0.09	-	67,67,67,67	0
56	MG	2A	3774	1/1	0.97	0.07	-	27,27,27,27	0
56	MG	1A	3901	1/1	0.95	0.14	-	37,37,37,37	0
56	MG	2A	3802	1/1	0.95	0.07	-	60,60,60,60	0
56	MG	2A	3465	1/1	0.90	0.18	-	54,54,54,54	0
56	MG	1A	3449	1/1	0.94	0.62	-	49,49,49,49	0
56	MG	2A	3852	1/1	0.95	0.10	-	43,43,43,43	0
56	MG	2A	3745	1/1	0.85	0.12	-	56,56,56,56	0
56	MG	1A	3243	1/1	0.89	0.13	-	38,38,38,38	0
56	MG	2a	3166	1/1	0.39	0.13	-	66,66,66,66	0
56	MG	2A	3546	1/1	0.97	0.17	-	57,57,57,57	0
56	MG	1A	3956	1/1	0.90	0.17	-	58,58,58,58	0
56	MG	1A	3310	1/1	0.94	0.16	-	43,43,43,43	0
56	MG	1a	3162	1/1	0.91	0.13	-	42,42,42,42	0
56	MG	2w	3005	1/1	0.88	0.17	-	66,66,66,66	0
56	MG	2A	3271	1/1	0.95	0.08	-	50,50,50,50	0
56	MG	2A	3370	1/1	0.96	0.21	-	43,43,43,43	0
56	MG	1A	3597	1/1	0.92	0.12	-	25,25,25,25	0
56	MG	1a	3225	1/1	0.91	0.23	-	62,62,62,62	0
56	MG	1A	3346	1/1	0.86	0.13	-	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3197	1/1	0.87	0.17	-	44,44,44,44	0
56	MG	2a	3023	1/1	0.84	0.15	-	49,49,49,49	0
56	MG	2A	3734	1/1	0.76	0.20	-	65,65,65,65	0
56	MG	2A	3115	1/1	0.80	0.24	-	64,64,64,64	0
56	MG	1A	3302	1/1	0.93	0.27	-	23,23,23,23	0
56	MG	2A	3643	1/1	0.67	0.10	-	57,57,57,57	0
56	MG	1A	3796	1/1	0.96	0.17	-	41,41,41,41	0
56	MG	2a	3164	1/1	0.95	0.13	-	49,49,49,49	0
56	MG	1B	3034	1/1	0.95	0.13	-	59,59,59,59	0
56	MG	2A	3424	1/1	0.90	0.14	-	35,35,35,35	0
56	MG	1a	3017	1/1	0.87	0.13	-	37,37,37,37	0
56	MG	2A	3617	1/1	0.94	0.13	-	48,48,48,48	0
56	MG	2a	3071	1/1	0.92	0.30	-	55,55,55,55	0
56	MG	1A	4072	1/1	0.92	0.14	-	44,44,44,44	0
56	MG	2F	303	1/1	0.88	0.21	-	38,38,38,38	0
56	MG	1A	3748	1/1	0.91	0.13	-	29,29,29,29	0
56	MG	2a	3080	1/1	0.87	0.17	-	56,56,56,56	0
56	MG	1X	103	1/1	0.95	0.20	-	22,22,22,22	0
56	MG	2A	3508	1/1	0.82	0.13	-	30,30,30,30	0
56	MG	1A	3057	1/1	0.76	0.21	-	36,36,36,36	0
56	MG	1A	3923	1/1	0.62	0.15	-	56,56,56,56	0
56	MG	1A	3544	1/1	0.94	0.19	-	32,32,32,32	0
56	MG	2A	3503	1/1	0.80	0.11	-	25,25,25,25	0
56	MG	2A	3063	1/1	0.91	0.11	-	33,33,33,33	0
56	MG	1A	3339	1/1	0.94	0.21	-	44,44,44,44	0
56	MG	10	102	1/1	0.93	0.15	-	49,49,49,49	0
56	MG	1A	3638	1/1	0.92	0.11	-	27,27,27,27	0
56	MG	2A	3075	1/1	0.83	0.32	-	62,62,62,62	0
56	MG	2a	3106	1/1	0.95	0.09	-	43,43,43,43	0
56	MG	1a	3136	1/1	0.96	0.09	-	52,52,52,52	0
56	MG	1A	3813	1/1	0.85	0.16	-	51,51,51,51	0
56	MG	1A	3259	1/1	0.95	0.24	-	37,37,37,37	0
56	MG	1A	3344	1/1	0.89	0.13	-	29,29,29,29	0
56	MG	1a	3228	1/1	0.93	0.18	-	58,58,58,58	0
56	MG	2a	3212	1/1	0.81	0.13	-	54,54,54,54	0
56	MG	1A	3333	1/1	0.96	0.22	-	37,37,37,37	0
56	MG	2A	3322	1/1	0.94	0.15	-	32,32,32,32	0
56	MG	2A	3804	1/1	0.90	0.25	-	40,40,40,40	0
56	MG	2A	3229	1/1	0.87	0.12	-	44,44,44,44	0
56	MG	2A	3781	1/1	0.97	0.10	-	33,33,33,33	0
56	MG	1A	3696	1/1	0.97	0.11	-	31,31,31,31	0
56	MG	1A	4041	1/1	0.84	0.31	-	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3151	1/1	0.95	0.24	-	14,14,14,14	0
56	MG	1x	114	1/1	0.96	0.11	-	54,54,54,54	0
56	MG	2A	3298	1/1	0.87	0.13	-	47,47,47,47	0
56	MG	2A	3853	1/1	0.89	0.16	-	37,37,37,37	0
56	MG	2A	3776	1/1	0.94	0.14	-	48,48,48,48	0
56	MG	2A	3293	1/1	0.90	0.08	-	67,67,67,67	0
56	MG	12	3001	1/1	0.83	0.35	-	45,45,45,45	0
56	MG	1A	3131	1/1	0.95	0.20	-	29,29,29,29	0
56	MG	2A	3087	1/1	0.77	0.13	-	61,61,61,61	0
56	MG	1a	3126	1/1	0.93	0.18	-	45,45,45,45	0
56	MG	1A	3831	1/1	0.91	0.08	-	40,40,40,40	0
56	MG	2w	3007	1/1	0.85	0.13	-	60,60,60,60	0
56	MG	2A	3860	1/1	0.99	0.18	-	38,38,38,38	0
56	MG	1A	3914	1/1	0.98	0.09	-	26,26,26,26	0
56	MG	1a	3040	1/1	0.90	0.32	-	39,39,39,39	0
56	MG	1B	3004	1/1	0.84	0.24	-	43,43,43,43	0
56	MG	2A	3362	1/1	0.95	0.26	-	26,26,26,26	0
56	MG	13	101	1/1	0.88	0.19	-	31,31,31,31	0
56	MG	2a	3158	1/1	0.97	0.40	-	66,66,66,66	0
56	MG	2a	3111	1/1	0.91	0.12	-	46,46,46,46	0
56	MG	2A	3258	1/1	0.91	0.10	-	40,40,40,40	0
56	MG	1A	3248	1/1	0.80	0.17	-	35,35,35,35	0
56	MG	1A	3833	1/1	0.97	0.07	-	46,46,46,46	0
56	MG	2A	3497	1/1	0.91	0.23	-	46,46,46,46	0
56	MG	2A	3718	1/1	0.77	0.26	-	56,56,56,56	0
56	MG	1A	3195	1/1	0.91	0.11	-	8,8,8,8	0
56	MG	1A	3864	1/1	0.93	0.13	-	23,23,23,23	0
56	MG	2a	3121	1/1	0.85	0.10	-	62,62,62,62	0
56	MG	1B	3009	1/1	0.86	0.22	-	34,34,34,34	0
56	MG	1A	3002	1/1	0.93	0.21	-	40,40,40,40	0
56	MG	2A	3491	1/1	0.91	0.09	-	35,35,35,35	0
56	MG	2a	3097	1/1	0.94	0.23	-	54,54,54,54	0
56	MG	2a	3179	1/1	0.91	0.10	-	53,53,53,53	0
56	MG	2A	3632	1/1	0.93	0.15	-	42,42,42,42	0
56	MG	1a	3083	1/1	0.90	0.19	-	53,53,53,53	0
56	MG	1A	4116	1/1	0.91	0.13	-	38,38,38,38	0
56	MG	2A	3371	1/1	0.87	0.22	-	49,49,49,49	0
56	MG	2A	3806	1/1	0.73	0.28	-	55,55,55,55	0
56	MG	1A	3457	1/1	0.94	0.26	-	56,56,56,56	0
56	MG	1a	3046	1/1	0.81	0.18	-	55,55,55,55	0
56	MG	2A	3238	1/1	0.94	0.15	-	30,30,30,30	0
56	MG	1a	3012	1/1	0.76	0.22	-	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3422	1/1	0.94	0.24	-	31,31,31,31	0
56	MG	2a	3172	1/1	0.93	0.12	-	67,67,67,67	0
56	MG	1A	4017	1/1	0.92	0.43	-	57,57,57,57	0
56	MG	2a	3113	1/1	0.38	0.79	-	72,72,72,72	0
56	MG	1a	3125	1/1	0.92	0.21	-	37,37,37,37	0
56	MG	2A	3355	1/1	0.94	0.18	-	29,29,29,29	0
56	MG	1A	3406	1/1	0.98	0.33	-	24,24,24,24	0
56	MG	1a	3197	1/1	0.94	0.17	-	46,46,46,46	0
56	MG	1A	4000	1/1	0.94	0.17	-	34,34,34,34	0
56	MG	1a	3202	1/1	0.62	0.17	-	53,53,53,53	0
56	MG	2A	3784	1/1	0.98	0.10	-	17,17,17,17	0
56	MG	2A	3477	1/1	0.85	0.15	-	44,44,44,44	0
56	MG	2A	3445	1/1	0.95	0.15	-	50,50,50,50	0
56	MG	2A	3544	1/1	0.98	0.12	-	40,40,40,40	0
56	MG	1A	3506	1/1	0.98	0.25	-	18,18,18,18	0
56	MG	2a	3002	1/1	0.83	0.14	-	50,50,50,50	0
56	MG	1A	3880	1/1	0.96	0.28	-	16,16,16,16	0
56	MG	1A	4089	1/1	0.95	0.16	-	34,34,34,34	0
56	MG	2E	302	1/1	0.93	0.16	-	28,28,28,28	0
56	MG	1a	3147	1/1	0.88	0.11	-	32,32,32,32	0
56	MG	2a	3187	1/1	0.89	0.11	-	54,54,54,54	0
56	MG	1A	3662	1/1	0.94	0.19	-	26,26,26,26	0
56	MG	2D	304	1/1	0.73	0.20	-	59,59,59,59	0
56	MG	2A	3770	1/1	0.81	0.14	-	40,40,40,40	0
56	MG	1A	3592	1/1	0.94	0.17	-	46,46,46,46	0
56	MG	1A	3469	1/1	0.92	0.15	-	36,36,36,36	0
56	MG	2A	3511	1/1	0.91	0.15	-	38,38,38,38	0
56	MG	1A	3699	1/1	0.97	0.14	-	55,55,55,55	0
56	MG	1I	102	1/1	0.91	0.21	-	47,47,47,47	0
56	MG	2A	3801	1/1	0.97	0.29	-	47,47,47,47	0
56	MG	2A	3033	1/1	0.95	0.20	-	44,44,44,44	0
56	MG	2A	3389	1/1	0.87	0.14	-	49,49,49,49	0
56	MG	2A	3103	1/1	0.91	0.21	-	59,59,59,59	0
56	MG	2A	3226	1/1	0.91	0.26	-	47,47,47,47	0
56	MG	1a	3092	1/1	0.96	0.16	-	62,62,62,62	0
56	MG	2a	3156	1/1	0.77	0.14	-	56,56,56,56	0
56	MG	2A	3741	1/1	0.69	0.59	-	76,76,76,76	0
56	MG	1A	3891	1/1	0.51	0.56	-	74,74,74,74	0
56	MG	1A	3072	1/1	0.98	0.43	-	23,23,23,23	0
56	MG	1A	3440	1/1	0.94	0.34	-	54,54,54,54	0
56	MG	1A	3285	1/1	0.95	0.28	-	32,32,32,32	0
56	MG	2A	3432	1/1	0.63	0.51	-	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3161	1/1	0.44	0.18	-	70,70,70,70	0
56	MG	1A	3801	1/1	0.84	0.19	-	56,56,56,56	0
56	MG	1A	3932	1/1	0.71	0.10	-	25,25,25,25	0
56	MG	2A	3694	1/1	0.96	0.14	-	44,44,44,44	0
56	MG	1a	3006	1/1	0.92	0.30	-	49,49,49,49	0
56	MG	2a	3065	1/1	0.97	0.11	-	36,36,36,36	0
56	MG	2A	3387	1/1	0.91	0.14	-	39,39,39,39	0
56	MG	2A	3203	1/1	0.80	0.18	-	53,53,53,53	0
56	MG	2a	3061	1/1	0.98	0.18	-	40,40,40,40	0
56	MG	1A	3583	1/1	0.76	0.11	-	31,31,31,31	0
56	MG	2A	3145	1/1	0.91	0.12	-	33,33,33,33	0
56	MG	2a	3028	1/1	0.92	0.18	-	58,58,58,58	0
56	MG	1A	3213	1/1	0.85	0.69	-	27,27,27,27	0
56	MG	1A	3420	1/1	0.92	0.16	-	62,62,62,62	0
56	MG	2A	3255	1/1	0.77	0.15	-	63,63,63,63	0
56	MG	2A	3047	1/1	0.87	0.23	-	46,46,46,46	0
56	MG	1A	3928	1/1	0.78	0.11	-	42,42,42,42	0
56	MG	2a	3215	1/1	0.97	0.12	-	68,68,68,68	0
56	MG	1A	3297	1/1	0.81	0.19	-	42,42,42,42	0
56	MG	1a	3106	1/1	0.88	0.23	-	55,55,55,55	0
56	MG	2A	3446	1/1	0.84	0.09	-	30,30,30,30	0
56	MG	2a	3118	1/1	0.84	0.13	-	68,68,68,68	0
56	MG	1A	3908	1/1	0.85	0.10	-	18,18,18,18	0
56	MG	1y	103	1/1	0.93	0.17	-	80,80,80,80	0
56	MG	1U	205	1/1	0.90	0.13	-	35,35,35,35	0
56	MG	1A	3043	1/1	0.90	0.22	-	28,28,28,28	0
56	MG	2A	3644	1/1	0.95	0.23	-	55,55,55,55	0
56	MG	2A	3541	1/1	0.89	0.20	-	50,50,50,50	0
56	MG	2A	3411	1/1	0.73	0.21	-	71,71,71,71	0
56	MG	1A	4021	1/1	0.81	0.08	-	45,45,45,45	0
56	MG	1A	3745	1/1	0.96	0.10	-	28,28,28,28	0
56	MG	2A	3701	1/1	0.92	0.16	-	32,32,32,32	0
56	MG	2x	3003	1/1	0.62	0.14	-	66,66,66,66	0
56	MG	1A	3478	1/1	0.97	0.19	-	38,38,38,38	0
56	MG	2a	3034	1/1	0.90	0.25	-	51,51,51,51	0
56	MG	2a	3026	1/1	0.94	0.34	-	43,43,43,43	0
56	MG	1A	3150	1/1	0.94	0.29	-	39,39,39,39	0
56	MG	2A	3129	1/1	0.93	0.14	-	31,31,31,31	0
56	MG	1A	3916	1/1	0.70	0.18	-	26,26,26,26	0
56	MG	2A	3839	1/1	0.87	0.17	-	55,55,55,55	0
56	MG	2A	3616	1/1	0.98	0.17	-	31,31,31,31	0
56	MG	2A	3651	1/1	0.52	0.26	-	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3836	1/1	0.95	0.08	-	44,44,44,44	0
56	MG	1A	3614	1/1	0.95	0.14	-	22,22,22,22	0
56	MG	2g	8001	1/1	0.97	0.06	-	70,70,70,70	0
56	MG	1A	3349	1/1	0.94	0.16	-	47,47,47,47	0
56	MG	1a	3098	1/1	0.91	0.09	-	60,60,60,60	0
56	MG	2A	3206	1/1	0.99	0.11	-	57,57,57,57	0
56	MG	1a	3047	1/1	0.73	0.16	-	52,52,52,52	0
56	MG	2A	3830	1/1	0.93	0.23	-	51,51,51,51	0
56	MG	1A	3024	1/1	0.96	0.26	-	26,26,26,26	0
56	MG	1A	3437	1/1	0.93	0.24	-	27,27,27,27	0
56	MG	1A	3382	1/1	0.86	0.14	-	41,41,41,41	0
56	MG	1A	3046	1/1	0.94	0.25	-	40,40,40,40	0
56	MG	1A	3136	1/1	0.95	0.11	-	48,48,48,48	0
56	MG	2A	3256	1/1	0.94	0.15	-	35,35,35,35	0
56	MG	2A	3664	1/1	0.91	0.17	-	50,50,50,50	0
56	MG	1A	3005	1/1	0.94	0.15	-	32,32,32,32	0
56	MG	1A	3879	1/1	0.94	0.26	-	20,20,20,20	0
56	MG	1A	3442	1/1	0.94	0.51	-	40,40,40,40	0
56	MG	1A	3895	1/1	0.70	0.09	-	61,61,61,61	0
56	MG	1A	3026	1/1	0.98	0.34	-	14,14,14,14	0
56	MG	1a	3034	1/1	0.91	0.17	-	49,49,49,49	0
56	MG	1A	4015	1/1	0.91	0.15	-	40,40,40,40	0
56	MG	2a	3064	1/1	0.91	0.14	-	51,51,51,51	0
56	MG	1a	3195	1/1	0.79	0.12	-	51,51,51,51	0
56	MG	1a	3156	1/1	0.97	0.16	-	30,30,30,30	0
56	MG	1A	3910	1/1	0.89	0.17	-	45,45,45,45	0
56	MG	2A	3618	1/1	0.90	0.13	-	35,35,35,35	0
56	MG	2A	3116	1/1	0.87	0.14	-	41,41,41,41	0
56	MG	1A	3084	1/1	0.80	0.28	-	50,50,50,50	0
56	MG	1A	4068	1/1	0.93	0.10	-	42,42,42,42	0
56	MG	2A	3252	1/1	0.81	0.18	-	35,35,35,35	0
56	MG	2A	3302	1/1	0.83	0.13	-	50,50,50,50	0
56	MG	2v	103	1/1	0.83	0.20	-	60,60,60,60	0
56	MG	2A	3531	1/1	0.91	0.22	-	51,51,51,51	0
56	MG	2A	3560	1/1	0.91	0.11	-	40,40,40,40	0
56	MG	1B	3027	1/1	0.78	0.09	-	59,59,59,59	0
56	MG	1A	3517	1/1	0.94	0.17	-	37,37,37,37	0
56	MG	2A	3719	1/1	0.77	0.12	-	64,64,64,64	0
56	MG	1A	3878	1/1	0.88	0.19	-	30,30,30,30	0
56	MG	2A	3363	1/1	0.96	0.10	-	52,52,52,52	0
56	MG	1w	108	1/1	0.76	0.80	-	80,80,80,80	0
56	MG	1a	3061	1/1	0.93	0.09	-	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3595	1/1	0.99	0.12	-	32,32,32,32	0
56	MG	2B	3020	1/1	0.97	0.18	-	66,66,66,66	0
56	MG	2x	3005	1/1	0.96	0.14	-	59,59,59,59	0
56	MG	2A	3775	1/1	0.95	0.09	-	51,51,51,51	0
56	MG	1A	3452	1/1	0.69	0.21	-	40,40,40,40	0
56	MG	2A	3261	1/1	0.77	0.36	-	57,57,57,57	0
56	MG	2A	3373	1/1	0.96	0.35	-	47,47,47,47	0
56	MG	1A	3230	1/1	0.94	0.26	-	19,19,19,19	0
56	MG	1t	3001	1/1	0.88	0.15	-	53,53,53,53	0
56	MG	2A	3165	1/1	0.92	0.11	-	53,53,53,53	0
56	MG	1A	3352	1/1	0.97	0.17	-	34,34,34,34	0
56	MG	2A	3750	1/1	0.88	0.13	-	48,48,48,48	0
56	MG	2A	3201	1/1	0.81	0.08	-	52,52,52,52	0
56	MG	1A	3760	1/1	0.96	0.15	-	40,40,40,40	0
56	MG	1A	3368	1/1	0.94	0.22	-	42,42,42,42	0
56	MG	1A	3480	1/1	0.95	0.21	-	34,34,34,34	0
56	MG	1A	3110	1/1	0.91	0.29	-	22,22,22,22	0
56	MG	1A	3736	1/1	0.89	0.18	-	16,16,16,16	0
56	MG	2A	3656	1/1	0.95	0.18	-	44,44,44,44	0
56	MG	1A	3826	1/1	0.92	0.12	-	41,41,41,41	0
56	MG	2a	3003	1/1	0.80	0.17	-	53,53,53,53	0
56	MG	2a	3132	1/1	0.79	0.23	-	67,67,67,67	0
56	MG	2A	3639	1/1	0.97	0.15	-	62,62,62,62	0
56	MG	2A	3240	1/1	0.91	0.14	-	43,43,43,43	0
56	MG	1A	3953	1/1	0.93	0.21	-	36,36,36,36	0
56	MG	1A	3347	1/1	0.90	0.29	-	34,34,34,34	0
56	MG	2A	3735	1/1	0.83	0.23	-	46,46,46,46	0
56	MG	1a	3004	1/1	0.90	0.13	-	43,43,43,43	0
56	MG	2A	3169	1/1	0.93	0.18	-	61,61,61,61	0
56	MG	2A	3390	1/1	0.68	0.19	-	57,57,57,57	0
56	MG	2a	3081	1/1	0.90	0.07	-	70,70,70,70	0
56	MG	2a	3221	1/1	0.88	0.11	-	57,57,57,57	0
56	MG	18	104	1/1	0.98	0.21	-	19,19,19,19	0
56	MG	1A	3143	1/1	0.83	0.50	-	30,30,30,30	0
56	MG	2a	3011	1/1	0.87	0.19	-	62,62,62,62	0
56	MG	1A	3445	1/1	0.94	0.20	-	33,33,33,33	0
56	MG	2a	3182	1/1	0.95	0.19	-	56,56,56,56	0
56	MG	2A	3808	1/1	0.94	0.24	-	46,46,46,46	0
56	MG	1A	3581	1/1	0.97	0.19	-	30,30,30,30	0
56	MG	2A	3001	1/1	0.93	0.32	-	41,41,41,41	0
56	MG	1A	4128	1/1	0.91	0.13	-	22,22,22,22	0
56	MG	2a	3134	1/1	0.86	0.12	-	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3016	1/1	0.90	0.18	-	58,58,58,58	0
56	MG	2r	102	1/1	0.81	0.11	-	75,75,75,75	0
56	MG	2A	3035	1/1	0.96	0.16	-	19,19,19,19	0
56	MG	1A	3897	1/1	0.99	0.11	-	40,40,40,40	0
56	MG	1A	3648	1/1	0.98	0.20	-	38,38,38,38	0
56	MG	2A	3215	1/1	0.83	0.14	-	49,49,49,49	0
56	MG	1A	3236	1/1	0.97	0.45	-	23,23,23,23	0
56	MG	1A	3837	1/1	0.91	0.23	-	22,22,22,22	0
56	MG	1A	4043	1/1	0.91	0.10	-	30,30,30,30	0
56	MG	1A	3427	1/1	0.94	0.16	-	35,35,35,35	0
56	MG	2A	3388	1/1	0.90	0.12	-	45,45,45,45	0
56	MG	1A	4076	1/1	0.86	0.16	-	34,34,34,34	0
56	MG	1a	3181	1/1	0.79	0.18	-	68,68,68,68	0
56	MG	1A	3244	1/1	0.77	0.33	-	65,65,65,65	0
56	MG	2A	3620	1/1	0.93	0.18	-	50,50,50,50	0
56	MG	2A	3382	1/1	0.85	0.12	-	62,62,62,62	0
56	MG	1A	3174	1/1	0.98	0.08	-	48,48,48,48	0
56	MG	2A	3591	1/1	0.94	0.20	-	54,54,54,54	0
56	MG	1A	3993	1/1	0.95	0.12	-	30,30,30,30	0
56	MG	1A	3758	1/1	0.96	0.19	-	59,59,59,59	0
56	MG	1a	3107	1/1	0.85	0.15	-	55,55,55,55	0
56	MG	1W	203	1/1	0.95	0.18	-	35,35,35,35	0
56	MG	2A	3174	1/1	0.90	0.18	-	43,43,43,43	0
56	MG	2A	3848	1/1	0.92	0.24	-	33,33,33,33	0
56	MG	2A	3270	1/1	0.96	0.14	-	41,41,41,41	0
56	MG	1A	3324	1/1	0.80	0.17	-	42,42,42,42	0
56	MG	1A	3564	1/1	0.87	0.13	-	51,51,51,51	0
56	MG	1A	3311	1/1	0.85	0.30	-	40,40,40,40	0
56	MG	1A	3808	1/1	0.98	0.12	-	29,29,29,29	0
56	MG	2A	3631	1/1	0.95	0.12	-	44,44,44,44	0
56	MG	1A	4053	1/1	0.77	0.15	-	45,45,45,45	0
56	MG	1B	3030	1/1	0.92	0.08	-	44,44,44,44	0
56	MG	2A	3645	1/1	0.96	0.22	-	42,42,42,42	0
56	MG	2a	3185	1/1	0.80	0.15	-	47,47,47,47	0
56	MG	2A	3058	1/1	0.96	0.47	-	47,47,47,47	0
56	MG	1a	3208	1/1	0.92	0.18	-	62,62,62,62	0
56	MG	2A	3789	1/1	0.87	0.31	-	62,62,62,62	0
56	MG	1A	3124	1/1	0.91	0.28	-	17,17,17,17	0
56	MG	1A	3258	1/1	0.83	0.22	-	47,47,47,47	0
56	MG	2A	3228	1/1	0.93	0.13	-	41,41,41,41	0
56	MG	2a	3163	1/1	0.98	0.08	-	65,65,65,65	0
56	MG	2A	3340	1/1	0.88	0.16	-	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3499	1/1	0.97	0.24	-	21,21,21,21	0
56	MG	2A	3030	1/1	0.91	0.28	-	56,56,56,56	0
56	MG	2A	3025	1/1	0.90	0.13	-	28,28,28,28	0
56	MG	2A	3816	1/1	0.98	0.13	-	55,55,55,55	0
56	MG	1A	3380	1/1	0.83	0.16	-	37,37,37,37	0
56	MG	1A	3447	1/1	0.82	0.27	-	32,32,32,32	0
56	MG	2A	3241	1/1	0.92	0.42	-	66,66,66,66	0
56	MG	1A	3487	1/1	0.93	0.34	-	25,25,25,25	0
56	MG	2A	3431	1/1	0.91	0.13	-	47,47,47,47	0
56	MG	2A	3149	1/1	0.89	0.17	-	56,56,56,56	0
56	MG	1a	3026	1/1	0.83	0.21	-	48,48,48,48	0
56	MG	1A	3666	1/1	0.95	0.11	-	33,33,33,33	0
56	MG	1a	3209	1/1	0.96	0.07	-	44,44,44,44	0
56	MG	1a	3109	1/1	0.87	0.16	-	70,70,70,70	0
56	MG	1A	3948	1/1	0.90	0.11	-	42,42,42,42	0
56	MG	1A	3130	1/1	0.97	0.43	-	30,30,30,30	0
56	MG	2A	3198	1/1	0.83	0.21	-	58,58,58,58	0
56	MG	1x	104	1/1	0.94	0.08	-	51,51,51,51	0
56	MG	1A	3979	1/1	0.78	0.07	-	63,63,63,63	0
56	MG	1A	3973	1/1	0.96	0.19	-	23,23,23,23	0
56	MG	1A	3886	1/1	0.98	0.23	-	34,34,34,34	0
56	MG	1a	3122	1/1	0.92	0.25	-	46,46,46,46	0
56	MG	1A	3022	1/1	0.94	0.23	-	38,38,38,38	0
56	MG	1A	3571	1/1	0.70	0.17	-	28,28,28,28	0
56	MG	2A	3723	1/1	0.49	0.39	-	65,65,65,65	0
56	MG	1A	3367	1/1	0.93	0.36	-	14,14,14,14	0
56	MG	1A	3899	1/1	0.92	0.11	-	28,28,28,28	0
56	MG	2A	3637	1/1	0.98	0.10	-	53,53,53,53	0
56	MG	1A	3291	1/1	0.94	0.16	-	36,36,36,36	0
56	MG	2A	3290	1/1	0.74	0.12	-	77,77,77,77	0
56	MG	2A	3861	1/1	0.90	0.07	-	51,51,51,51	0
56	MG	2A	3393	1/1	0.96	0.25	-	30,30,30,30	0
56	MG	2B	3003	1/1	0.95	0.21	-	44,44,44,44	0
56	MG	1A	3941	1/1	0.96	0.12	-	40,40,40,40	0
56	MG	1F	306	1/1	0.94	0.17	-	34,34,34,34	0
56	MG	2A	3264	1/1	0.87	0.61	-	47,47,47,47	0
56	MG	2A	3354	1/1	0.96	0.11	-	43,43,43,43	0
56	MG	1A	3355	1/1	0.96	0.16	-	43,43,43,43	0
56	MG	10	106	1/1	0.91	0.12	-	48,48,48,48	0
56	MG	1A	3906	1/1	0.77	0.08	-	43,43,43,43	0
56	MG	1A	3257	1/1	0.96	0.15	-	18,18,18,18	0
56	MG	2a	3206	1/1	0.93	0.12	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3044	1/1	0.87	0.15	-	36,36,36,36	0
56	MG	1A	3512	1/1	0.97	0.21	-	30,30,30,30	0
56	MG	2A	3076	1/1	0.95	0.17	-	53,53,53,53	0
56	MG	1a	3117	1/1	0.89	0.17	-	31,31,31,31	0
56	MG	2A	3785	1/1	0.61	0.09	-	63,63,63,63	0
56	MG	1A	3820	1/1	0.98	0.18	-	27,27,27,27	0
56	MG	1A	3957	1/1	0.84	0.07	-	37,37,37,37	0
56	MG	2A	3221	1/1	0.88	0.37	-	46,46,46,46	0
56	MG	1A	3115	1/1	0.97	0.29	-	19,19,19,19	0
56	MG	1A	3853	1/1	0.90	0.17	-	7,7,7,7	0
56	MG	1A	3085	1/1	0.92	0.25	-	37,37,37,37	0
56	MG	2A	3164	1/1	0.90	0.16	-	18,18,18,18	0
56	MG	2A	3134	1/1	0.95	0.15	-	42,42,42,42	0
56	MG	1A	3292	1/1	0.92	0.13	-	22,22,22,22	0
56	MG	1A	3684	1/1	0.91	0.10	-	24,24,24,24	0
56	MG	1a	3053	1/1	0.93	0.16	-	46,46,46,46	0
56	MG	2A	3108	1/1	0.85	0.15	-	43,43,43,43	0
56	MG	1A	3521	1/1	0.95	0.30	-	17,17,17,17	0
56	MG	1A	3942	1/1	0.94	0.10	-	31,31,31,31	0
56	MG	2A	3325	1/1	0.95	0.08	-	33,33,33,33	0
56	MG	1A	3714	1/1	0.84	0.15	-	59,59,59,59	0
56	MG	2A	3400	1/1	0.91	0.14	-	51,51,51,51	0
56	MG	1A	3990	1/1	0.93	0.17	-	19,19,19,19	0
56	MG	1A	3569	1/1	0.93	0.18	-	23,23,23,23	0
56	MG	2A	3011	1/1	0.85	0.35	-	42,42,42,42	0
56	MG	2A	3281	1/1	0.94	0.45	-	60,60,60,60	0
56	MG	2A	3254	1/1	0.91	0.27	-	53,53,53,53	0
56	MG	2a	3146	1/1	0.84	0.19	-	76,76,76,76	0
56	MG	2a	3012	1/1	0.90	0.18	-	59,59,59,59	0
56	MG	2A	3243	1/1	0.85	0.15	-	62,62,62,62	0
56	MG	1A	3201	1/1	0.91	0.16	-	26,26,26,26	0
56	MG	2a	3115	1/1	0.73	0.14	-	56,56,56,56	0
56	MG	1A	3782	1/1	0.96	0.21	-	35,35,35,35	0
56	MG	2A	3604	1/1	0.98	0.27	-	35,35,35,35	0
56	MG	2A	3726	1/1	0.80	0.08	-	61,61,61,61	0
56	MG	1A	3694	1/1	0.95	0.17	-	49,49,49,49	0
56	MG	2a	3218	1/1	0.94	0.06	-	60,60,60,60	0
56	MG	2A	3619	1/1	0.93	0.16	-	50,50,50,50	0
56	MG	1A	3567	1/1	0.97	0.12	-	41,41,41,41	0
56	MG	2A	3041	1/1	0.91	0.18	-	46,46,46,46	0
56	MG	1f	3001	1/1	0.99	0.17	-	34,34,34,34	0
56	MG	1A	3594	1/1	0.96	0.14	-	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3877	1/1	0.90	0.30	-	31,31,31,31	0
56	MG	2A	3396	1/1	0.86	0.13	-	58,58,58,58	0
56	MG	2A	3154	1/1	0.77	0.16	-	56,56,56,56	0
56	MG	2A	3681	1/1	0.79	0.19	-	52,52,52,52	0
56	MG	1a	3087	1/1	0.91	0.17	-	63,63,63,63	0
56	MG	1W	202	1/1	0.97	0.32	-	31,31,31,31	0
56	MG	1A	3293	1/1	0.94	0.20	-	41,41,41,41	0
56	MG	1A	4066	1/1	0.98	0.18	-	32,32,32,32	0
56	MG	2A	3635	1/1	0.95	0.21	-	50,50,50,50	0
56	MG	1B	3029	1/1	0.93	0.14	-	59,59,59,59	0
56	MG	1A	3550	1/1	0.89	0.22	-	26,26,26,26	0
56	MG	1A	3889	1/1	0.96	0.06	-	57,57,57,57	0
56	MG	1a	3187	1/1	0.83	0.37	-	77,77,77,77	0
56	MG	2A	3225	1/1	0.79	0.21	-	69,69,69,69	0
56	MG	2A	3524	1/1	0.97	0.13	-	44,44,44,44	0
56	MG	1A	3060	1/1	0.91	0.17	-	32,32,32,32	0
56	MG	1A	3807	1/1	0.92	0.09	-	42,42,42,42	0
56	MG	1B	3016	1/1	0.98	0.23	-	22,22,22,22	0
56	MG	1A	3492	1/1	0.71	0.46	-	71,71,71,71	0
56	MG	1A	3767	1/1	0.90	0.26	-	25,25,25,25	0
56	MG	2A	3534	1/1	0.94	0.12	-	52,52,52,52	0
56	MG	1A	3192	1/1	0.98	0.21	-	20,20,20,20	0
56	MG	2A	3756	1/1	0.93	0.14	-	45,45,45,45	0
56	MG	1A	3963	1/1	0.95	0.17	-	16,16,16,16	0
56	MG	2A	3679	1/1	0.90	0.22	-	54,54,54,54	0
56	MG	2a	3198	1/1	0.90	0.30	-	59,59,59,59	0
56	MG	2B	3002	1/1	0.88	0.42	-	50,50,50,50	0
56	MG	2y	106	1/1	0.95	0.11	-	64,64,64,64	0
56	MG	2A	3580	1/1	0.95	0.20	-	45,45,45,45	0
56	MG	2A	3690	1/1	0.87	0.13	-	68,68,68,68	0
56	MG	2A	3157	1/1	0.89	0.14	-	58,58,58,58	0
56	MG	2A	3249	1/1	0.87	0.17	-	48,48,48,48	0
56	MG	2a	3047	1/1	0.86	0.13	-	56,56,56,56	0
56	MG	1A	3369	1/1	0.94	0.24	-	44,44,44,44	0
56	MG	2a	3191	1/1	0.92	0.10	-	61,61,61,61	0
56	MG	1A	3251	1/1	0.84	0.12	-	49,49,49,49	0
56	MG	1a	3095	1/1	0.96	0.22	-	42,42,42,42	0
56	MG	2A	3367	1/1	0.95	0.52	-	35,35,35,35	0
56	MG	2A	3401	1/1	0.92	0.13	-	52,52,52,52	0
56	MG	1a	3088	1/1	0.92	0.21	-	52,52,52,52	0
56	MG	2a	3043	1/1	0.85	0.10	-	51,51,51,51	0
56	MG	2a	3204	1/1	0.84	0.17	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1F	305	1/1	0.92	0.17	-	36,36,36,36	0
56	MG	2A	3192	1/1	0.67	0.14	-	67,67,67,67	0
56	MG	2A	3552	1/1	0.93	0.10	-	40,40,40,40	0
56	MG	1A	3255	1/1	0.91	0.33	-	38,38,38,38	0
56	MG	2A	3379	1/1	0.94	0.11	-	36,36,36,36	0
56	MG	1A	3107	1/1	0.85	0.23	-	25,25,25,25	0
56	MG	2A	3167	1/1	0.99	0.12	-	44,44,44,44	0
56	MG	1A	3952	1/1	0.96	0.10	-	52,52,52,52	0
56	MG	1a	3118	1/1	0.92	0.27	-	37,37,37,37	0
56	MG	1A	3473	1/1	0.88	0.18	-	23,23,23,23	0
56	MG	1a	3100	1/1	0.96	0.20	-	41,41,41,41	0
56	MG	2A	3427	1/1	0.87	0.35	-	58,58,58,58	0
56	MG	1A	3920	1/1	0.92	0.13	-	41,41,41,41	0
56	MG	1P	203	1/1	0.96	0.31	-	34,34,34,34	0
56	MG	1A	3416	1/1	0.95	0.58	-	27,27,27,27	0
56	MG	2A	3654	1/1	0.94	0.09	-	46,46,46,46	0
56	MG	1a	3184	1/1	0.97	0.15	-	63,63,63,63	0
56	MG	1A	3014	1/1	0.98	0.27	-	15,15,15,15	0
56	MG	1A	3987	1/1	0.96	0.09	-	21,21,21,21	0
56	MG	1A	3082	1/1	0.94	0.22	-	34,34,34,34	0
56	MG	2d	301	1/1	0.85	0.28	-	58,58,58,58	0
56	MG	2A	3114	1/1	0.94	0.22	-	52,52,52,52	0
56	MG	1A	3392	1/1	0.92	0.27	-	33,33,33,33	0
56	MG	2A	3140	1/1	0.77	0.28	-	44,44,44,44	0
56	MG	18	101	1/1	0.85	0.33	-	59,59,59,59	0
56	MG	1a	3213	1/1	0.97	0.13	-	44,44,44,44	0
56	MG	1A	3755	1/1	0.93	0.09	-	34,34,34,34	0
56	MG	1a	3226	1/1	0.95	0.12	-	55,55,55,55	0
56	MG	2A	3746	1/1	0.78	0.12	-	58,58,58,58	0
56	MG	1A	3887	1/1	0.89	0.15	-	50,50,50,50	0
56	MG	1A	3996	1/1	0.93	0.10	-	50,50,50,50	0
56	MG	1a	3073	1/1	0.90	0.14	-	34,34,34,34	0
56	MG	2A	3039	1/1	0.95	0.18	-	54,54,54,54	0
56	MG	1A	3252	1/1	0.89	0.16	-	53,53,53,53	0
56	MG	1A	3536	1/1	0.88	0.16	-	33,33,33,33	0
56	MG	1x	110	1/1	0.81	0.17	-	63,63,63,63	0
56	MG	1A	3215	1/1	0.86	0.17	-	29,29,29,29	0
56	MG	1A	3165	1/1	0.92	0.38	-	29,29,29,29	0
56	MG	2A	3858	1/1	0.82	0.42	-	57,57,57,57	0
56	MG	2a	3126	1/1	0.87	0.19	-	70,70,70,70	0
56	MG	1A	3528	1/1	0.92	0.19	-	45,45,45,45	0
56	MG	1A	3526	1/1	0.93	0.25	-	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3713	1/1	0.85	0.13	-	66,66,66,66	0
56	MG	2A	3014	1/1	0.97	0.13	-	28,28,28,28	0
56	MG	1A	3818	1/1	0.96	0.31	-	28,28,28,28	0
56	MG	1A	3308	1/1	0.87	0.29	-	29,29,29,29	0
56	MG	1A	3815	1/1	0.96	0.09	-	48,48,48,48	0
56	MG	2A	3294	1/1	0.80	0.32	-	61,61,61,61	0
56	MG	1a	3097	1/1	0.75	0.36	-	59,59,59,59	0
56	MG	1A	3372	1/1	0.75	0.51	-	25,25,25,25	0
56	MG	2a	3019	1/1	0.80	0.22	-	50,50,50,50	0
56	MG	2A	3196	1/1	0.97	0.50	-	38,38,38,38	0
56	MG	1A	3486	1/1	0.96	0.44	-	26,26,26,26	0
56	MG	1A	3728	1/1	0.97	0.14	-	27,27,27,27	0
56	MG	2A	3584	1/1	0.84	0.26	-	52,52,52,52	0
56	MG	1A	3091	1/1	0.85	0.13	-	35,35,35,35	0
56	MG	1A	3650	1/1	0.99	0.29	-	43,43,43,43	0
56	MG	2w	3001	1/1	0.98	0.19	-	34,34,34,34	0
56	MG	1E	308	1/1	0.94	0.18	-	14,14,14,14	0
56	MG	2A	3666	1/1	0.95	0.21	-	58,58,58,58	0
56	MG	1A	3247	1/1	0.91	0.34	-	31,31,31,31	0
56	MG	1A	3674	1/1	0.89	0.23	-	38,38,38,38	0
56	MG	1B	3035	1/1	0.98	0.16	-	21,21,21,21	0
56	MG	1A	3149	1/1	0.95	0.21	-	18,18,18,18	0
56	MG	2A	3824	1/1	0.95	0.18	-	43,43,43,43	0
56	MG	1A	3495	1/1	0.74	0.17	-	61,61,61,61	0
56	MG	1A	3654	1/1	0.86	0.22	-	51,51,51,51	0
56	MG	2A	3715	1/1	0.87	0.13	-	56,56,56,56	0
56	MG	1A	3816	1/1	0.96	0.13	-	36,36,36,36	0
56	MG	2A	3131	1/1	0.85	0.12	-	51,51,51,51	0
56	MG	1A	4049	1/1	0.68	0.14	-	36,36,36,36	0
56	MG	2A	3478	1/1	0.85	0.23	-	40,40,40,40	0
56	MG	2a	3177	1/1	0.98	0.06	-	58,58,58,58	0
56	MG	1A	3059	1/1	0.93	0.20	-	42,42,42,42	0
56	MG	2A	3768	1/1	0.90	0.12	-	24,24,24,24	0
56	MG	1A	3429	1/1	0.91	0.20	-	39,39,39,39	0
56	MG	1a	3102	1/1	0.93	0.25	-	59,59,59,59	0
56	MG	2a	3082	1/1	0.95	0.15	-	50,50,50,50	0
56	MG	1W	207	1/1	0.95	0.16	-	9,9,9,9	0
56	MG	2A	3426	1/1	0.93	0.26	-	39,39,39,39	0
56	MG	1A	3769	1/1	0.92	0.12	-	37,37,37,37	0
56	MG	1a	3137	1/1	0.82	0.14	-	46,46,46,46	0
56	MG	2A	3539	1/1	0.94	0.23	-	46,46,46,46	0
56	MG	1A	3023	1/1	0.97	0.23	-	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3065	1/1	0.93	0.18	-	37,37,37,37	0
56	MG	1A	4071	1/1	0.97	0.12	-	34,34,34,34	0
56	MG	1A	3011	1/1	0.95	0.15	-	26,26,26,26	0
56	MG	2A	3219	1/1	0.94	0.14	-	42,42,42,42	0
56	MG	1A	3523	1/1	0.96	0.42	-	31,31,31,31	0
56	MG	2a	3025	1/1	0.83	0.25	-	58,58,58,58	0
56	MG	2W	201	1/1	0.88	0.14	-	42,42,42,42	0
56	MG	2A	3210	1/1	0.93	0.29	-	42,42,42,42	0
56	MG	2A	3684	1/1	0.97	0.27	-	46,46,46,46	0
56	MG	2A	3762	1/1	0.63	0.11	-	51,51,51,51	0
56	MG	2a	3149	1/1	0.82	0.11	-	62,62,62,62	0
56	MG	1y	104	1/1	0.82	0.23	-	63,63,63,63	0
56	MG	1a	3121	1/1	0.83	0.21	-	59,59,59,59	0
56	MG	1A	3216	1/1	0.95	0.25	-	42,42,42,42	0
56	MG	2A	3444	1/1	0.84	0.17	-	35,35,35,35	0
56	MG	2y	103	1/1	0.89	0.08	-	51,51,51,51	0
56	MG	1A	3077	1/1	0.84	0.38	-	21,21,21,21	0
56	MG	1A	4056	1/1	0.95	0.19	-	45,45,45,45	0
56	MG	1A	3158	1/1	0.98	0.13	-	12,12,12,12	0
56	MG	2A	3655	1/1	0.72	0.09	-	55,55,55,55	0
56	MG	1A	3949	1/1	0.54	0.13	-	58,58,58,58	0
56	MG	1R	201	1/1	0.98	0.23	-	23,23,23,23	0
56	MG	2a	3140	1/1	0.78	0.08	-	52,52,52,52	0
56	MG	1w	106	1/1	0.96	0.12	-	50,50,50,50	0
56	MG	2A	3332	1/1	0.86	0.13	-	43,43,43,43	0
56	MG	1A	4138	1/1	0.98	0.35	-	29,29,29,29	0
56	MG	2A	3267	1/1	0.95	0.17	-	49,49,49,49	0
56	MG	1A	4101	1/1	0.92	0.07	-	23,23,23,23	0
56	MG	2A	3034	1/1	0.91	0.15	-	43,43,43,43	0
56	MG	1a	3185	1/1	0.93	0.10	-	60,60,60,60	0
56	MG	1A	3370	1/1	0.91	0.15	-	29,29,29,29	0
56	MG	1A	4108	1/1	0.77	0.35	-	28,28,28,28	0
56	MG	1A	3274	1/1	0.96	0.21	-	28,28,28,28	0
56	MG	1A	3039	1/1	0.98	0.09	-	23,23,23,23	0
56	MG	2A	3180	1/1	0.95	0.23	-	45,45,45,45	0
56	MG	1A	3407	1/1	0.96	0.21	-	29,29,29,29	0
56	MG	1A	3547	1/1	0.88	0.12	-	39,39,39,39	0
56	MG	1A	3645	1/1	0.98	0.13	-	14,14,14,14	0
56	MG	1A	4022	1/1	0.94	0.13	-	29,29,29,29	0
56	MG	1A	3083	1/1	0.91	0.22	-	41,41,41,41	0
56	MG	2A	3317	1/1	0.93	0.13	-	55,55,55,55	0
56	MG	2a	3101	1/1	0.85	0.09	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3219	1/1	0.88	0.19	-	53,53,53,53	0
56	MG	1A	3702	1/1	0.92	0.15	-	31,31,31,31	0
56	MG	1A	3692	1/1	0.87	0.14	-	56,56,56,56	0
56	MG	2a	3119	1/1	0.93	0.09	-	59,59,59,59	0
56	MG	1A	3229	1/1	0.94	0.25	-	32,32,32,32	0
56	MG	1A	3804	1/1	0.95	0.15	-	30,30,30,30	0
56	MG	2a	3070	1/1	0.82	0.21	-	46,46,46,46	0
56	MG	2A	3171	1/1	0.86	0.30	-	48,48,48,48	0
56	MG	1A	4003	1/1	0.96	0.14	-	33,33,33,33	0
56	MG	1A	3535	1/1	0.93	0.21	-	38,38,38,38	0
56	MG	1A	3572	1/1	0.86	0.13	-	34,34,34,34	0
56	MG	1a	3163	1/1	0.85	0.11	-	47,47,47,47	0
56	MG	1A	3286	1/1	0.97	0.30	-	38,38,38,38	0
56	MG	1A	3849	1/1	0.93	0.09	-	28,28,28,28	0
56	MG	1a	3201	1/1	0.79	0.11	-	51,51,51,51	0
56	MG	1A	3976	1/1	0.98	0.13	-	17,17,17,17	0
56	MG	1A	3515	1/1	0.93	0.19	-	49,49,49,49	0
56	MG	2A	3507	1/1	0.95	0.11	-	52,52,52,52	0
56	MG	2a	3018	1/1	0.91	0.11	-	50,50,50,50	0
56	MG	1A	3105	1/1	0.98	0.19	-	25,25,25,25	0
56	MG	2A	3153	1/1	0.94	0.46	-	47,47,47,47	0
56	MG	1A	3617	1/1	0.94	0.19	-	36,36,36,36	0
56	MG	2a	3152	1/1	0.65	0.27	-	67,67,67,67	0
56	MG	1A	3354	1/1	0.89	0.30	-	36,36,36,36	0
56	MG	1A	3432	1/1	0.93	0.15	-	25,25,25,25	0
56	MG	1A	3170	1/1	0.94	0.16	-	13,13,13,13	0
56	MG	1A	3315	1/1	0.94	0.13	-	31,31,31,31	0
56	MG	2A	3588	1/1	0.78	0.20	-	70,70,70,70	0
56	MG	1A	3995	1/1	0.96	0.08	-	52,52,52,52	0
56	MG	2A	3269	1/1	0.70	0.17	-	54,54,54,54	0
56	MG	2A	3217	1/1	0.83	0.16	-	40,40,40,40	0
56	MG	1A	3599	1/1	0.84	0.16	-	16,16,16,16	0
56	MG	1A	3188	1/1	0.95	0.15	-	24,24,24,24	0
56	MG	2a	3074	1/1	0.91	0.21	-	43,43,43,43	0
56	MG	10	108	1/1	0.95	0.07	-	45,45,45,45	0
56	MG	2A	3429	1/1	0.87	0.21	-	60,60,60,60	0
56	MG	1A	3267	1/1	0.97	0.29	-	16,16,16,16	0
56	MG	2A	3622	1/1	0.81	0.25	-	56,56,56,56	0
56	MG	1A	3313	1/1	0.93	0.15	-	23,23,23,23	0
56	MG	2A	3098	1/1	0.79	0.17	-	32,32,32,32	0
56	MG	2A	3590	1/1	0.98	0.15	-	41,41,41,41	0
56	MG	2A	3159	1/1	0.89	0.12	-	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3067	1/1	0.98	0.17	-	8,8,8,8	0
56	MG	1w	105	1/1	0.89	0.10	-	48,48,48,48	0
56	MG	2A	3532	1/1	0.92	0.18	-	42,42,42,42	0
56	MG	2a	3207	1/1	0.87	0.16	-	57,57,57,57	0
56	MG	1A	3340	1/1	0.89	0.67	-	44,44,44,44	0
56	MG	1A	3643	1/1	0.93	0.15	-	15,15,15,15	0
56	MG	1A	3671	1/1	0.73	0.16	-	40,40,40,40	0
56	MG	1A	3121	1/1	0.91	0.27	-	32,32,32,32	0
56	MG	1A	3100	1/1	0.94	0.18	-	15,15,15,15	0
56	MG	1A	3514	1/1	0.91	0.17	-	33,33,33,33	0
56	MG	2A	3086	1/1	0.94	0.16	-	39,39,39,39	0
56	MG	2A	3685	1/1	0.79	0.27	-	47,47,47,47	0
56	MG	1a	3186	1/1	0.87	0.11	-	57,57,57,57	0
56	MG	1A	3066	1/1	0.96	0.30	-	21,21,21,21	0
56	MG	1A	3771	1/1	0.95	0.10	-	13,13,13,13	0
56	MG	2A	3713	1/1	0.92	0.09	-	55,55,55,55	0
56	MG	1A	4067	1/1	0.95	0.11	-	40,40,40,40	0
56	MG	1A	3639	1/1	0.97	0.07	-	19,19,19,19	0
56	MG	1A	3625	1/1	0.99	0.10	-	23,23,23,23	0
56	MG	1a	3005	1/1	0.93	0.08	-	52,52,52,52	0
56	MG	2A	3474	1/1	0.94	0.14	-	40,40,40,40	0
56	MG	2A	3158	1/1	0.75	0.24	-	47,47,47,47	0
56	MG	2A	3121	1/1	0.94	0.15	-	49,49,49,49	0
56	MG	2A	3798	1/1	0.91	0.12	-	51,51,51,51	0
56	MG	2A	3132	1/1	0.83	0.23	-	57,57,57,57	0
56	MG	1A	3017	1/1	0.90	0.13	-	17,17,17,17	0
56	MG	2A	3216	1/1	0.82	0.18	-	53,53,53,53	0
56	MG	1A	3108	1/1	0.96	0.10	-	23,23,23,23	0
56	MG	1A	3656	1/1	0.93	0.18	-	12,12,12,12	0
56	MG	1A	4087	1/1	0.98	0.09	-	14,14,14,14	0
56	MG	2B	3010	1/1	0.97	0.17	-	64,64,64,64	0
56	MG	2a	3089	1/1	0.84	0.16	-	56,56,56,56	0
56	MG	1A	3680	1/1	0.87	0.10	-	46,46,46,46	0
56	MG	2A	3263	1/1	0.88	0.11	-	68,68,68,68	0
56	MG	1A	3655	1/1	0.84	0.13	-	17,17,17,17	0
56	MG	1y	101	1/1	0.95	0.23	-	22,22,22,22	0
56	MG	2B	3011	1/1	0.93	0.27	-	48,48,48,48	0
56	MG	2A	3744	1/1	0.92	0.21	-	76,76,76,76	0
56	MG	2A	3826	1/1	0.92	0.23	-	62,62,62,62	0
56	MG	1a	3042	1/1	0.91	0.15	-	55,55,55,55	0
56	MG	2a	3057	1/1	0.94	0.27	-	53,53,53,53	0
56	MG	1A	3520	1/1	0.93	0.12	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3517	1/1	0.95	0.10	-	32,32,32,32	0
56	MG	2a	3022	1/1	0.91	0.17	-	53,53,53,53	0
56	MG	1A	4030	1/1	0.78	0.12	-	32,32,32,32	0
56	MG	1a	3057	1/1	0.95	0.32	-	47,47,47,47	0
56	MG	1A	3797	1/1	0.98	0.21	-	25,25,25,25	0
56	MG	1A	3615	1/1	0.92	0.10	-	22,22,22,22	0
56	MG	1A	3705	1/1	0.97	0.20	-	39,39,39,39	0
56	MG	1a	3116	1/1	0.94	0.16	-	35,35,35,35	0
56	MG	2A	3873	1/1	0.76	0.72	-	41,41,41,41	0
56	MG	2A	3729	1/1	0.89	0.29	-	66,66,66,66	0
56	MG	1A	3265	1/1	0.88	0.18	-	25,25,25,25	0
56	MG	2a	3195	1/1	0.74	0.36	-	69,69,69,69	0
56	MG	2A	3740	1/1	0.81	0.16	-	55,55,55,55	0
56	MG	2A	3220	1/1	0.91	0.11	-	60,60,60,60	0
56	MG	1N	3005	1/1	0.94	0.23	-	18,18,18,18	0
56	MG	1a	3182	1/1	0.96	0.13	-	56,56,56,56	0
56	MG	2l	202	1/1	0.90	0.16	-	62,62,62,62	0
56	MG	2A	3222	1/1	0.88	0.11	-	53,53,53,53	0
56	MG	1A	3217	1/1	0.84	0.25	-	33,33,33,33	0
56	MG	1A	3152	1/1	0.96	0.37	-	20,20,20,20	0
56	MG	2a	3155	1/1	0.81	0.09	-	75,75,75,75	0
56	MG	2a	3046	1/1	0.90	0.26	-	52,52,52,52	0
56	MG	1a	3096	1/1	0.93	0.24	-	45,45,45,45	0
56	MG	2A	3661	1/1	0.83	0.16	-	53,53,53,53	0
56	MG	2A	3657	1/1	0.97	0.06	-	45,45,45,45	0
56	MG	1a	3138	1/1	0.72	0.10	-	30,30,30,30	0
56	MG	1A	3266	1/1	0.96	0.27	-	32,32,32,32	0
56	MG	1A	3173	1/1	0.90	0.18	-	30,30,30,30	0
56	MG	1A	3419	1/1	0.96	0.27	-	23,23,23,23	0
56	MG	1a	3214	1/1	0.93	0.20	-	70,70,70,70	0
56	MG	1A	3945	1/1	0.92	0.12	-	39,39,39,39	0
56	MG	2A	3185	1/1	0.94	0.48	-	46,46,46,46	0
56	MG	1A	3300	1/1	0.96	0.21	-	40,40,40,40	0
56	MG	1a	3211	1/1	0.67	0.16	-	65,65,65,65	0
56	MG	1A	3307	1/1	0.92	0.21	-	32,32,32,32	0
56	MG	1A	3358	1/1	0.97	0.39	-	21,21,21,21	0
56	MG	1a	3068	1/1	0.85	0.17	-	54,54,54,54	0
56	MG	1A	3321	1/1	0.98	0.21	-	16,16,16,16	0
56	MG	2a	3008	1/1	0.79	0.21	-	54,54,54,54	0
56	MG	2A	3251	1/1	0.91	0.09	-	52,52,52,52	0
56	MG	2a	3210	1/1	0.85	0.16	-	56,56,56,56	0
56	MG	1A	3430	1/1	0.77	0.26	-	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3327	1/1	0.90	0.19	-	40,40,40,40	0
56	MG	2A	3162	1/1	0.91	0.10	-	42,42,42,42	0
56	MG	2a	3063	1/1	0.72	0.14	-	46,46,46,46	0
56	MG	1a	3173	1/1	0.83	0.15	-	55,55,55,55	0
56	MG	2A	3306	1/1	0.81	0.28	-	45,45,45,45	0
56	MG	2a	3087	1/1	0.93	0.17	-	53,53,53,53	0
56	MG	2A	3250	1/1	0.89	0.18	-	46,46,46,46	0
56	MG	1A	3125	1/1	0.90	0.13	-	17,17,17,17	0
56	MG	2A	3178	1/1	0.88	0.35	-	41,41,41,41	0
56	MG	1A	3628	1/1	0.89	0.17	-	17,17,17,17	0
56	MG	2A	3415	1/1	0.87	0.23	-	56,56,56,56	0
56	MG	2A	3595	1/1	0.88	0.22	-	73,73,73,73	0
56	MG	1A	3798	1/1	0.96	0.17	-	39,39,39,39	0
56	MG	1A	3365	1/1	0.92	0.15	-	17,17,17,17	0
56	MG	1A	3840	1/1	0.71	0.13	-	29,29,29,29	0
56	MG	1A	3496	1/1	0.91	1.05	-	40,40,40,40	0
56	MG	1A	3742	1/1	0.97	0.16	-	15,15,15,15	0
56	MG	1A	4098	1/1	0.99	0.14	-	14,14,14,14	0
56	MG	1A	3450	1/1	0.88	0.15	-	22,22,22,22	0
56	MG	2a	3203	1/1	0.91	0.16	-	64,64,64,64	0
56	MG	1A	4064	1/1	0.97	0.11	-	48,48,48,48	0
56	MG	2A	3457	1/1	0.93	0.15	-	51,51,51,51	0
56	MG	2A	3773	1/1	0.73	0.09	-	57,57,57,57	0
56	MG	1A	4011	1/1	0.85	0.14	-	35,35,35,35	0
56	MG	1A	3509	1/1	0.76	0.32	-	47,47,47,47	0
56	MG	1n	502	1/1	0.85	0.20	-	57,57,57,57	0
56	MG	1A	3312	1/1	0.97	0.26	-	41,41,41,41	0
56	MG	1A	3912	1/1	0.82	0.07	-	43,43,43,43	0
56	MG	2a	3131	1/1	0.76	0.07	-	87,87,87,87	0
56	MG	1A	3575	1/1	0.85	0.17	-	21,21,21,21	0
56	MG	1A	3047	1/1	0.88	0.22	-	47,47,47,47	0
56	MG	1A	3208	1/1	0.94	0.32	-	24,24,24,24	0
56	MG	2A	3506	1/1	0.97	0.15	-	50,50,50,50	0
56	MG	1A	4026	1/1	0.87	0.46	-	42,42,42,42	0
56	MG	1Z	303	1/1	0.94	0.14	-	56,56,56,56	0
56	MG	2a	3013	1/1	0.81	0.26	-	44,44,44,44	0
56	MG	1A	3081	1/1	0.94	0.39	-	23,23,23,23	0
56	MG	2a	3031	1/1	0.78	0.14	-	62,62,62,62	0
56	MG	1A	3376	1/1	0.86	0.26	-	39,39,39,39	0
56	MG	1A	3892	1/1	0.86	0.13	-	30,30,30,30	0
56	MG	1A	3428	1/1	0.94	0.18	-	26,26,26,26	0
56	MG	2A	3097	1/1	0.95	0.19	-	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2a	3091	1/1	0.79	0.13	-	60,60,60,60	0
56	MG	1A	3298	1/1	0.90	0.15	-	45,45,45,45	0
56	MG	1A	3893	1/1	0.95	0.14	-	21,21,21,21	0
56	MG	1A	3611	1/1	0.85	0.13	-	63,63,63,63	0
56	MG	2a	3194	1/1	0.88	0.13	-	71,71,71,71	0
56	MG	2a	3007	1/1	0.91	0.12	-	38,38,38,38	0
56	MG	2A	3642	1/1	0.98	0.16	-	37,37,37,37	0
56	MG	2B	3009	1/1	0.81	0.19	-	60,60,60,60	0
56	MG	1A	3786	1/1	0.97	0.12	-	42,42,42,42	0
56	MG	1A	3218	1/1	0.95	0.50	-	33,33,33,33	0
56	MG	1A	3988	1/1	0.82	0.13	-	28,28,28,28	0
56	MG	1A	3433	1/1	0.98	0.20	-	12,12,12,12	0
56	MG	1A	3764	1/1	0.90	0.18	-	16,16,16,16	0
56	MG	2a	3228	1/1	0.94	0.14	-	53,53,53,53	0
56	MG	2A	3543	1/1	0.89	0.10	-	51,51,51,51	0
56	MG	1A	3183	1/1	0.93	0.36	-	24,24,24,24	0
56	MG	2A	3224	1/1	0.86	0.23	-	58,58,58,58	0
56	MG	2A	3253	1/1	0.96	0.26	-	58,58,58,58	0
56	MG	2A	3319	1/1	0.86	0.42	-	51,51,51,51	0
56	MG	2A	3346	1/1	0.85	0.17	-	70,70,70,70	0
56	MG	1A	4042	1/1	0.78	0.46	-	64,64,64,64	0
56	MG	1a	3066	1/1	0.94	0.08	-	49,49,49,49	0
56	MG	1w	110	1/1	0.81	0.17	-	79,79,79,79	0
56	MG	2a	3108	1/1	0.83	0.14	-	48,48,48,48	0
56	MG	1l	203	1/1	0.96	0.22	-	55,55,55,55	0
56	MG	2a	3056	1/1	0.90	0.10	-	46,46,46,46	0
56	MG	1A	3964	1/1	0.78	0.10	-	73,73,73,73	0
56	MG	1A	3161	1/1	0.82	0.22	-	49,49,49,49	0
56	MG	1a	3129	1/1	0.69	0.10	-	46,46,46,46	0
56	MG	1A	3531	1/1	0.90	0.22	-	35,35,35,35	0
56	MG	2A	3610	1/1	0.90	0.09	-	42,42,42,42	0
56	MG	1A	3836	1/1	0.95	0.16	-	39,39,39,39	0
56	MG	1A	3424	1/1	0.89	0.29	-	31,31,31,31	0
56	MG	1a	3001	1/1	0.78	0.21	-	65,65,65,65	0
56	MG	1a	3171	1/1	0.54	0.11	-	55,55,55,55	0
56	MG	1a	3080	1/1	0.87	0.14	-	40,40,40,40	0
56	MG	1A	3753	1/1	0.97	0.16	-	31,31,31,31	0
56	MG	2a	3077	1/1	0.95	0.14	-	44,44,44,44	0
56	MG	1A	3422	1/1	0.97	0.10	-	24,24,24,24	0
56	MG	1A	3101	1/1	0.97	0.31	-	24,24,24,24	0
56	MG	2a	3054	1/1	0.76	0.11	-	65,65,65,65	0
56	MG	2A	3659	1/1	0.86	0.17	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3614	1/1	0.92	0.13	-	68,68,68,68	0
56	MG	1A	3387	1/1	0.76	0.13	-	42,42,42,42	0
56	MG	2A	3692	1/1	0.95	0.10	-	43,43,43,43	0
56	MG	2R	202	1/1	0.85	0.23	-	51,51,51,51	0
56	MG	2A	3563	1/1	0.79	0.12	-	46,46,46,46	0
56	MG	1A	3490	1/1	0.86	0.29	-	31,31,31,31	0
56	MG	2a	3020	1/1	0.97	0.09	-	32,32,32,32	0
56	MG	2A	3749	1/1	0.68	0.14	-	66,66,66,66	0
56	MG	2A	3689	1/1	0.93	0.27	-	56,56,56,56	0
56	MG	2A	3031	1/1	0.80	0.19	-	55,55,55,55	0
56	MG	1A	3697	1/1	0.97	0.16	-	8,8,8,8	0
56	MG	2a	3105	1/1	0.90	0.20	-	55,55,55,55	0
56	MG	2A	3449	1/1	0.95	0.14	-	53,53,53,53	0
56	MG	1A	4086	1/1	0.89	0.27	-	31,31,31,31	0
56	MG	2A	3095	1/1	0.87	0.17	-	39,39,39,39	0
56	MG	1a	3215	1/1	0.92	0.11	-	49,49,49,49	0
56	MG	1a	3172	1/1	0.89	0.10	-	65,65,65,65	0
56	MG	1A	3438	1/1	0.95	0.21	-	30,30,30,30	0
56	MG	2A	3244	1/1	0.89	0.23	-	65,65,65,65	0
56	MG	1A	3198	1/1	0.97	0.26	-	26,26,26,26	0
56	MG	1A	3123	1/1	0.84	0.13	-	62,62,62,62	0
56	MG	1A	3003	1/1	0.96	0.14	-	13,13,13,13	0
56	MG	2A	3418	1/1	0.75	0.22	-	65,65,65,65	0
56	MG	2A	3333	1/1	0.97	0.12	-	33,33,33,33	0
56	MG	1A	3332	1/1	0.81	0.27	-	46,46,46,46	0
56	MG	1A	3819	1/1	0.91	0.14	-	10,10,10,10	0
56	MG	2A	3408	1/1	0.94	0.11	-	48,48,48,48	0
56	MG	1a	3224	1/1	0.81	0.16	-	49,49,49,49	0
56	MG	2A	3607	1/1	0.79	0.23	-	56,56,56,56	0
56	MG	2A	3334	1/1	0.94	0.16	-	63,63,63,63	0
56	MG	2A	3074	1/1	0.97	0.14	-	47,47,47,47	0
56	MG	1A	3055	1/1	0.92	0.11	-	63,63,63,63	0
56	MG	1A	3117	1/1	0.97	0.15	-	24,24,24,24	0
56	MG	1A	3681	1/1	0.89	0.27	-	49,49,49,49	0
56	MG	2A	3712	1/1	0.80	0.08	-	59,59,59,59	0
56	MG	1A	3381	1/1	0.91	0.12	-	25,25,25,25	0
56	MG	1A	3548	1/1	0.88	0.32	-	45,45,45,45	0
56	MG	1A	3374	1/1	0.89	0.20	-	27,27,27,27	0
56	MG	16	102	1/1	0.89	0.36	-	46,46,46,46	0
56	MG	1A	3959	1/1	0.98	0.15	-	26,26,26,26	0
56	MG	1A	3126	1/1	0.94	0.39	-	35,35,35,35	0
56	MG	2A	3410	1/1	0.94	0.18	-	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3040	1/1	0.92	0.18	-	35,35,35,35	0
56	MG	1A	3721	1/1	0.98	0.14	-	16,16,16,16	0
56	MG	2E	304	1/1	0.78	0.18	-	58,58,58,58	0
56	MG	1A	4057	1/1	0.97	0.10	-	50,50,50,50	0
56	MG	1A	3035	1/1	0.93	0.11	-	27,27,27,27	0
56	MG	28	101	1/1	0.73	0.19	-	60,60,60,60	0
56	MG	2a	3141	1/1	0.73	0.09	-	71,71,71,71	0
56	MG	1A	3991	1/1	0.71	0.32	-	41,41,41,41	0
56	MG	2a	3090	1/1	0.93	0.11	-	64,64,64,64	0
56	MG	1a	3103	1/1	0.87	0.15	-	57,57,57,57	0
56	MG	2A	3342	1/1	0.77	0.19	-	57,57,57,57	0
56	MG	1w	104	1/1	0.75	0.14	-	54,54,54,54	0
56	MG	2A	3537	1/1	0.96	0.15	-	54,54,54,54	0
56	MG	2A	3091	1/1	0.72	0.17	-	50,50,50,50	0
56	MG	1A	3109	1/1	0.96	0.33	-	28,28,28,28	0
56	MG	1A	3777	1/1	0.70	0.20	-	37,37,37,37	0
56	MG	1A	3612	1/1	0.94	0.24	-	16,16,16,16	0
56	MG	2A	3438	1/1	0.94	0.17	-	47,47,47,47	0
56	MG	2A	3557	1/1	0.95	0.29	-	41,41,41,41	0
56	MG	2A	3638	1/1	0.88	0.06	-	48,48,48,48	0
56	MG	2A	3176	1/1	0.78	0.21	-	62,62,62,62	0
56	MG	1A	3451	1/1	0.89	0.15	-	35,35,35,35	0
56	MG	25	105	1/1	0.75	0.21	-	55,55,55,55	0
56	MG	1A	3122	1/1	0.93	0.13	-	24,24,24,24	0
56	MG	1A	3318	1/1	0.88	0.16	-	25,25,25,25	0
56	MG	2a	3017	1/1	0.75	0.12	-	65,65,65,65	0
56	MG	2A	3533	1/1	0.92	0.18	-	54,54,54,54	0
56	MG	2y	102	1/1	0.94	0.15	-	59,59,59,59	0
56	MG	2A	3439	1/1	0.91	0.21	-	51,51,51,51	0
56	MG	2A	3397	1/1	0.73	0.23	-	59,59,59,59	0
56	MG	2a	3110	1/1	0.72	0.22	-	60,60,60,60	0
56	MG	1A	3999	1/1	0.97	0.11	-	35,35,35,35	0
56	MG	1A	3250	1/1	0.97	0.11	-	56,56,56,56	0
56	MG	1A	3890	1/1	0.92	0.12	-	51,51,51,51	0
56	MG	1A	3260	1/1	0.89	0.17	-	44,44,44,44	0
56	MG	1A	3278	1/1	0.93	0.22	-	37,37,37,37	0
56	MG	2A	3191	1/1	0.73	0.13	-	43,43,43,43	0
56	MG	1A	3140	1/1	0.98	0.13	-	32,32,32,32	0
56	MG	1a	3130	1/1	0.88	0.11	-	53,53,53,53	0
56	MG	1A	3507	1/1	0.84	0.22	-	36,36,36,36	0
56	MG	2T	3003	1/1	0.91	0.13	-	59,59,59,59	0
56	MG	1A	3679	1/1	0.95	0.25	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2W	202	1/1	0.93	0.14	-	38,38,38,38	0
56	MG	2A	3307	1/1	0.94	0.15	-	41,41,41,41	0
56	MG	2A	3706	1/1	0.93	0.11	-	58,58,58,58	0
56	MG	2A	3663	1/1	0.77	0.36	-	55,55,55,55	0
56	MG	1w	103	1/1	0.66	0.12	-	55,55,55,55	0
56	MG	1B	3019	1/1	0.98	0.13	-	34,34,34,34	0
56	MG	2A	3520	1/1	0.95	0.10	-	62,62,62,62	0
56	MG	2A	3320	1/1	0.84	0.25	-	62,62,62,62	0
56	MG	2a	3117	1/1	0.90	0.13	-	51,51,51,51	0
56	MG	1A	4027	1/1	0.88	0.19	-	59,59,59,59	0
56	MG	2a	3168	1/1	0.94	0.09	-	61,61,61,61	0
56	MG	2A	3316	1/1	0.93	0.17	-	52,52,52,52	0
56	MG	2A	3704	1/1	0.97	0.09	-	58,58,58,58	0
56	MG	1A	3724	1/1	0.96	0.22	-	34,34,34,34	0
56	MG	1A	3283	1/1	0.95	0.11	-	46,46,46,46	0
56	MG	2a	3226	1/1	0.95	0.17	-	55,55,55,55	0
56	MG	2A	3109	1/1	0.84	0.13	-	52,52,52,52	0
56	MG	1A	3857	1/1	0.97	0.14	-	22,22,22,22	0
56	MG	2A	3688	1/1	0.94	0.12	-	50,50,50,50	0
56	MG	2A	3795	1/1	0.91	0.11	-	34,34,34,34	0
56	MG	1A	3268	1/1	0.91	0.26	-	15,15,15,15	0
56	MG	1A	3609	1/1	0.96	0.18	-	6,6,6,6	0
56	MG	2A	3761	1/1	0.92	0.13	-	42,42,42,42	0
56	MG	1A	3573	1/1	0.93	0.19	-	22,22,22,22	0
56	MG	2A	3536	1/1	0.88	0.12	-	32,32,32,32	0
56	MG	2A	3127	1/1	0.87	0.32	-	61,61,61,61	0
56	MG	2A	3292	1/1	0.83	0.20	-	51,51,51,51	0
56	MG	2A	3526	1/1	0.93	0.07	-	57,57,57,57	0
56	MG	2A	3593	1/1	0.94	0.09	-	58,58,58,58	0
56	MG	2A	3676	1/1	0.92	0.11	-	48,48,48,48	0
56	MG	2A	3181	1/1	0.94	0.20	-	49,49,49,49	0
56	MG	2A	3553	1/1	0.73	0.12	-	39,39,39,39	0
56	MG	1a	3081	1/1	0.82	0.15	-	47,47,47,47	0
56	MG	1a	3198	1/1	0.95	0.11	-	48,48,48,48	0
56	MG	1A	3235	1/1	0.87	0.28	-	46,46,46,46	0
56	MG	2A	3625	1/1	0.88	0.13	-	53,53,53,53	0
56	MG	1a	3058	1/1	0.90	0.10	-	53,53,53,53	0
56	MG	1B	3013	1/1	0.92	0.11	-	31,31,31,31	0
56	MG	2A	3357	1/1	0.98	0.20	-	37,37,37,37	0
56	MG	1a	3067	1/1	0.95	0.16	-	44,44,44,44	0
56	MG	2A	3207	1/1	0.88	0.16	-	48,48,48,48	0
56	MG	1A	3223	1/1	0.97	0.15	-	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3275	1/1	0.95	0.11	-	30,30,30,30	0
56	MG	1A	3322	1/1	0.89	0.16	-	31,31,31,31	0
56	MG	1A	3607	1/1	0.92	0.19	-	40,40,40,40	0
56	MG	1A	4074	1/1	0.95	0.13	-	36,36,36,36	0
56	MG	1A	3335	1/1	0.97	0.21	-	28,28,28,28	0
56	MG	1A	3935	1/1	0.96	0.26	-	41,41,41,41	0
56	MG	1A	3087	1/1	0.97	0.18	-	8,8,8,8	0
56	MG	1a	3221	1/1	0.96	0.09	-	61,61,61,61	0
56	MG	1A	3379	1/1	0.88	0.16	-	39,39,39,39	0
56	MG	1A	3147	1/1	0.93	0.19	-	36,36,36,36	0
56	MG	1A	3455	1/1	0.87	0.17	-	23,23,23,23	0
56	MG	2A	3380	1/1	0.93	0.18	-	36,36,36,36	0
56	MG	1A	3750	1/1	0.92	0.37	-	41,41,41,41	0
56	MG	1A	3500	1/1	0.98	0.38	-	27,27,27,27	0
56	MG	2A	3790	1/1	0.92	0.09	-	32,32,32,32	0
56	MG	2A	3500	1/1	0.97	0.13	-	60,60,60,60	0
56	MG	2A	3062	1/1	0.87	0.43	-	56,56,56,56	0
56	MG	2A	3017	1/1	0.94	0.50	-	37,37,37,37	0
56	MG	1A	3601	1/1	0.91	0.15	-	55,55,55,55	0
56	MG	2A	3331	1/1	0.89	0.24	-	51,51,51,51	0
56	MG	2A	3111	1/1	0.95	0.23	-	29,29,29,29	0
56	MG	1a	3120	1/1	0.90	0.15	-	46,46,46,46	0
56	MG	2A	3348	1/1	0.78	0.24	-	50,50,50,50	0
56	MG	1A	3488	1/1	0.97	0.23	-	42,42,42,42	0
56	MG	1A	3362	1/1	0.91	0.89	-	41,41,41,41	0
56	MG	1A	3994	1/1	0.77	0.37	-	48,48,48,48	0
56	MG	1A	3471	1/1	0.95	0.18	-	41,41,41,41	0
56	MG	1A	4033	1/1	0.73	0.26	-	55,55,55,55	0
56	MG	1A	4001	1/1	0.81	0.10	-	59,59,59,59	0
56	MG	25	104	1/1	0.91	0.11	-	45,45,45,45	0
56	MG	2A	3674	1/1	0.40	0.09	-	62,62,62,62	0
56	MG	1A	3337	1/1	0.93	0.28	-	38,38,38,38	0
56	MG	2A	3578	1/1	0.94	0.15	-	31,31,31,31	0
56	MG	2A	3447	1/1	0.96	0.20	-	44,44,44,44	0
56	MG	2A	3233	1/1	0.93	0.10	-	41,41,41,41	0
56	MG	2A	3119	1/1	0.91	0.32	-	30,30,30,30	0
56	MG	2A	3626	1/1	0.96	0.15	-	31,31,31,31	0
56	MG	2a	3174	1/1	0.97	0.14	-	47,47,47,47	0
56	MG	1A	4090	1/1	0.99	0.10	-	32,32,32,32	0
56	MG	1A	3690	1/1	0.92	0.11	-	40,40,40,40	0
56	MG	1A	3866	1/1	0.95	0.14	-	35,35,35,35	0
56	MG	2a	3171	1/1	0.91	0.14	-	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2B	3019	1/1	0.73	0.33	-	75,75,75,75	0
56	MG	2A	3480	1/1	0.82	0.14	-	33,33,33,33	0
56	MG	2A	3262	1/1	0.88	0.18	-	59,59,59,59	0
56	MG	2A	3409	1/1	0.87	0.29	-	65,65,65,65	0
56	MG	1A	3155	1/1	0.81	0.48	-	56,56,56,56	0
56	MG	2A	3100	1/1	0.97	0.18	-	43,43,43,43	0
56	MG	1a	3179	1/1	0.88	0.14	-	64,64,64,64	0
56	MG	1A	3018	1/1	0.85	0.19	-	28,28,28,28	0
56	MG	1a	3033	1/1	0.86	0.14	-	56,56,56,56	0
56	MG	2w	3002	1/1	0.85	0.12	-	46,46,46,46	0
56	MG	1A	3822	1/1	0.87	0.10	-	47,47,47,47	0
56	MG	1a	3072	1/1	0.98	0.07	-	36,36,36,36	0
56	MG	1A	3921	1/1	0.92	0.10	-	45,45,45,45	0
56	MG	2A	3350	1/1	0.91	0.27	-	60,60,60,60	0
56	MG	2A	3596	1/1	0.89	0.10	-	63,63,63,63	0
56	MG	1A	4004	1/1	0.79	0.15	-	62,62,62,62	0
56	MG	1a	3152	1/1	0.74	0.08	-	55,55,55,55	0
56	MG	1A	3317	1/1	0.86	0.19	-	36,36,36,36	0
56	MG	1A	3363	1/1	0.92	0.47	-	29,29,29,29	0
56	MG	1x	106	1/1	0.92	0.12	-	52,52,52,52	0
56	MG	2A	3831	1/1	0.93	0.09	-	56,56,56,56	0
56	MG	1A	3685	1/1	0.96	0.12	-	37,37,37,37	0
56	MG	1A	3937	1/1	0.98	0.25	-	33,33,33,33	0
56	MG	1A	3851	1/1	0.96	0.14	-	28,28,28,28	0
56	MG	2a	3040	1/1	0.92	0.12	-	47,47,47,47	0
56	MG	2A	3405	1/1	0.93	0.09	-	34,34,34,34	0
56	MG	1A	3751	1/1	0.94	0.20	-	14,14,14,14	0
56	MG	2A	3050	1/1	0.97	0.15	-	38,38,38,38	0
56	MG	2A	3378	1/1	0.78	0.26	-	57,57,57,57	0
56	MG	1A	3842	1/1	0.88	0.23	-	28,28,28,28	0
56	MG	1A	3417	1/1	0.97	0.22	-	19,19,19,19	0
56	MG	1A	3132	1/1	0.81	0.41	-	32,32,32,32	0
56	MG	1A	4019	1/1	0.70	0.14	-	29,29,29,29	0
56	MG	1a	3207	1/1	0.94	0.10	-	33,33,33,33	0
56	MG	1a	3227	1/1	0.97	0.13	-	46,46,46,46	0
56	MG	2a	3050	1/1	0.76	0.23	-	57,57,57,57	0
56	MG	2A	3669	1/1	0.76	0.17	-	64,64,64,64	0
56	MG	2a	3094	1/1	0.91	0.09	-	64,64,64,64	0
56	MG	1y	102	1/1	0.94	0.19	-	40,40,40,40	0
56	MG	1A	3582	1/1	0.96	0.14	-	13,13,13,13	0
56	MG	1A	3078	1/1	0.94	0.14	-	20,20,20,20	0

## 6.5 Other polymers [i](#)

There are no such residues in this entry.