



# wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 29, 2016 – 11:56 PM EDT

PDB ID : 5HCR  
Title : Crystal structure of antimicrobial peptide Oncocin 10wt bound to the *Thermus thermophilus* 70S ribosome  
Authors : Gagnon, M.G.; Roy, R.N.; Lomakin, I.B.; Florin, T.; Mankin, A.S.; Steitz, T.A.  
Deposited on : 2016-01-04  
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 : 1.7.1 (RC1), CSD as537be (2016)  
Xtriage (Phenix) : 1.9-1692  
EDS : rb-20027107  
Percentile statistics : 20151230.v01 (using entries in the PDB archive December 30th 2015)  
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-20027107

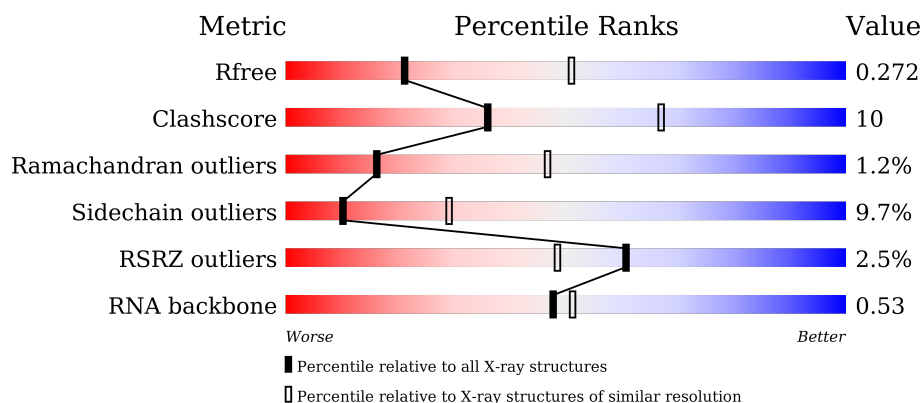
# 1 Overall quality at a glance

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.
















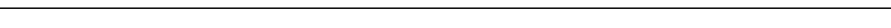











Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
$R_{free}$	91344	2393 (2.80-2.80)
Clashscore	102246	2827 (2.80-2.80)
Ramachandran outliers	100387	2782 (2.80-2.80)
Sidechain outliers	100360	2784 (2.80-2.80)
RSRZ outliers	91569	2404 (2.80-2.80)
RNA backbone	2183	1091 (3.20-2.40)

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	<div> <div></div> <div>61% 28% 5% 6%</div> </div>
1	2A	2915	<div> <div></div> <div>52% 36% 7% .</div> </div>
2	1B	121	<div> <div></div> <div>73% 26% ..</div> </div>
2	2B	121	<div> <div></div> <div>38% 49% 12% .</div> </div>


























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




















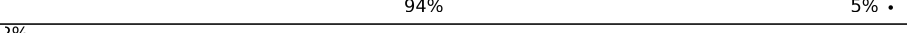
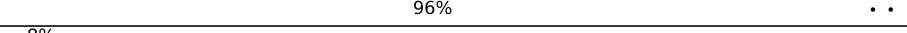




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Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25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

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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	1x	77	
54	2x	77	
55	1z	19	
55	2z	19	

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	101	-	-	-	X
56	MG	11	101	-	-	-	X
56	MG	17	101	-	-	-	X
56	MG	1A	3001	-	-	-	X
56	MG	1A	3003	-	-	-	X
56	MG	1A	3007	-	-	-	X
56	MG	1A	3035	-	-	-	X
56	MG	1A	3054	-	-	-	X
56	MG	1A	3059	-	-	-	X
56	MG	1A	3078	-	-	-	X
56	MG	1A	3079	-	-	-	X
56	MG	1A	3110	-	-	-	X
56	MG	1A	3125	-	-	-	X
56	MG	1A	3127	-	-	-	X
56	MG	1A	3128	-	-	-	X
56	MG	1A	3130	-	-	-	X
56	MG	1A	3136	-	-	-	X
56	MG	1A	3138	-	-	-	X
56	MG	1A	3139	-	-	-	X
56	MG	1A	3140	-	-	-	X
56	MG	1A	3144	-	-	-	X
56	MG	1A	3148	-	-	-	X
56	MG	1A	3151	-	-	-	X
56	MG	1A	3152	-	-	-	X
56	MG	1A	3154	-	-	-	X
56	MG	1A	3155	-	-	-	X
56	MG	1A	3161	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	3166	-	-	-	X
56	MG	1A	3178	-	-	-	X
56	MG	1A	3185	-	-	-	X
56	MG	1A	3186	-	-	-	X
56	MG	1A	3199	-	-	-	X
56	MG	1A	3200	-	-	-	X
56	MG	1A	3202	-	-	-	X
56	MG	1A	3205	-	-	-	X
56	MG	1A	3218	-	-	-	X
56	MG	1A	3219	-	-	-	X
56	MG	1A	3222	-	-	-	X
56	MG	1A	3241	-	-	-	X
56	MG	1A	3245	-	-	-	X
56	MG	1A	3253	-	-	-	X
56	MG	1A	3262	-	-	-	X
56	MG	1A	3270	-	-	-	X
56	MG	1A	3282	-	-	-	X
56	MG	1A	3293	-	-	-	X
56	MG	1A	3299	-	-	-	X
56	MG	1A	3302	-	-	-	X
56	MG	1A	3303	-	-	-	X
56	MG	1A	3305	-	-	-	X
56	MG	1A	3360	-	-	-	X
56	MG	1A	3375	-	-	-	X
56	MG	1A	3405	-	-	-	X
56	MG	1A	3432	-	-	-	X
56	MG	1A	3442	-	-	-	X
56	MG	1A	3443	-	-	-	X
56	MG	1A	3460	-	-	-	X
56	MG	1A	3473	-	-	-	X
56	MG	1A	3475	-	-	-	X
56	MG	1A	3485	-	-	-	X
56	MG	1A	3498	-	-	-	X
56	MG	1A	3509	-	-	-	X
56	MG	1A	3510	-	-	-	X
56	MG	1A	3511	-	-	-	X
56	MG	1A	3512	-	-	-	X
56	MG	1A	3571	-	-	-	X
56	MG	1A	3578	-	-	-	X
56	MG	1A	3582	-	-	-	X
56	MG	1A	3583	-	-	-	X
56	MG	1A	3584	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	3590	-	-	-	X
56	MG	1A	3597	-	-	-	X
56	MG	1A	3610	-	-	-	X
56	MG	1A	3611	-	-	-	X
56	MG	1A	3646	-	-	-	X
56	MG	1A	3655	-	-	-	X
56	MG	1A	3660	-	-	-	X
56	MG	1A	3667	-	-	-	X
56	MG	1A	3668	-	-	-	X
56	MG	1A	3690	-	-	-	X
56	MG	1A	3703	-	-	-	X
56	MG	1A	3730	-	-	-	X
56	MG	1A	3731	-	-	-	X
56	MG	1A	3751	-	-	-	X
56	MG	1A	3770	-	-	-	X
56	MG	1A	3771	-	-	-	X
56	MG	1A	3789	-	-	-	X
56	MG	1A	3790	-	-	-	X
56	MG	1A	3803	-	-	-	X
56	MG	1A	3820	-	-	-	X
56	MG	1A	3839	-	-	-	X
56	MG	1A	3847	-	-	-	X
56	MG	1A	3863	-	-	-	X
56	MG	1A	3910	-	-	-	X
56	MG	1A	3918	-	-	-	X
56	MG	1A	3941	-	-	-	X
56	MG	1A	3945	-	-	-	X
56	MG	1A	3948	-	-	-	X
56	MG	1A	3949	-	-	-	X
56	MG	1A	3956	-	-	-	X
56	MG	1A	3959	-	-	-	X
56	MG	1A	3993	-	-	-	X
56	MG	1A	3996	-	-	-	X
56	MG	1A	4028	-	-	-	X
56	MG	1A	4041	-	-	-	X
56	MG	1A	4042	-	-	-	X
56	MG	1A	4045	-	-	-	X
56	MG	1A	4046	-	-	-	X
56	MG	1A	4048	-	-	-	X
56	MG	1A	4055	-	-	-	X
56	MG	1A	4056	-	-	-	X
56	MG	1A	4057	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	4061	-	-	-	X
56	MG	1A	4067	-	-	-	X
56	MG	1A	4073	-	-	-	X
56	MG	1A	4074	-	-	-	X
56	MG	1A	4080	-	-	-	X
56	MG	1A	4084	-	-	-	X
56	MG	1A	4088	-	-	-	X
56	MG	1A	4089	-	-	-	X
56	MG	1A	4090	-	-	-	X
56	MG	1A	4092	-	-	-	X
56	MG	1A	4093	-	-	-	X
56	MG	1A	4094	-	-	-	X
56	MG	1B	212	-	-	-	X
56	MG	1D	307	-	-	-	X
56	MG	1D	308	-	-	-	X
56	MG	1D	310	-	-	-	X
56	MG	1D	311	-	-	-	X
56	MG	1E	308	-	-	-	X
56	MG	1F	304	-	-	-	X
56	MG	1H	203	-	-	-	X
56	MG	1N	202	-	-	-	X
56	MG	1P	204	-	-	-	X
56	MG	1P	206	-	-	-	X
56	MG	1Q	3002	-	-	-	X
56	MG	1Q	3004	-	-	-	X
56	MG	1Q	3006	-	-	-	X
56	MG	1R	201	-	-	-	X
56	MG	1R	205	-	-	-	X
56	MG	1U	202	-	-	-	X
56	MG	1U	204	-	-	-	X
56	MG	1U	205	-	-	-	X
56	MG	1U	206	-	-	-	X
56	MG	1V	201	-	-	-	X
56	MG	1W	3005	-	-	-	X
56	MG	1X	3001	-	-	-	X
56	MG	1a	1604	-	-	-	X
56	MG	1a	1632	-	-	-	X
56	MG	1a	1662	-	-	-	X
56	MG	1a	1663	-	-	-	X
56	MG	1a	1671	-	-	-	X
56	MG	1a	1702	-	-	-	X
56	MG	1a	1708	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1a	1711	-	-	-	X
56	MG	1a	1720	-	-	-	X
56	MG	1a	1723	-	-	-	X
56	MG	1a	1729	-	-	-	X
56	MG	1a	1732	-	-	-	X
56	MG	1a	1753	-	-	-	X
56	MG	1a	1756	-	-	-	X
56	MG	1a	1770	-	-	-	X
56	MG	1a	1793	-	-	-	X
56	MG	1a	1827	-	-	-	X
56	MG	1a	1829	-	-	-	X
56	MG	1a	1836	-	-	-	X
56	MG	1a	1844	-	-	-	X
56	MG	1a	1858	-	-	-	X
56	MG	1a	1900	-	-	-	X
56	MG	1h	3003	-	-	-	X
56	MG	1q	3301	-	-	-	X
56	MG	1q	3302	-	-	-	X
56	MG	1t	3001	-	-	-	X
56	MG	2A	3020	-	-	-	X
56	MG	2A	3021	-	-	-	X
56	MG	2A	3025	-	-	-	X
56	MG	2A	3043	-	-	-	X
56	MG	2A	3046	-	-	-	X
56	MG	2A	3048	-	-	-	X
56	MG	2A	3052	-	-	-	X
56	MG	2A	3062	-	-	-	X
56	MG	2A	3064	-	-	-	X
56	MG	2A	3090	-	-	-	X
56	MG	2A	3100	-	-	-	X
56	MG	2A	3105	-	-	-	X
56	MG	2A	3120	-	-	-	X
56	MG	2A	3123	-	-	-	X
56	MG	2A	3138	-	-	-	X
56	MG	2A	3140	-	-	-	X
56	MG	2A	3145	-	-	-	X
56	MG	2A	3146	-	-	-	X
56	MG	2A	3156	-	-	-	X
56	MG	2A	3173	-	-	-	X
56	MG	2A	3174	-	-	-	X
56	MG	2A	3176	-	-	-	X
56	MG	2A	3179	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3180	-	-	-	X
56	MG	2A	3184	-	-	-	X
56	MG	2A	3186	-	-	-	X
56	MG	2A	3187	-	-	-	X
56	MG	2A	3189	-	-	-	X
56	MG	2A	3190	-	-	-	X
56	MG	2A	3196	-	-	-	X
56	MG	2A	3197	-	-	-	X
56	MG	2A	3199	-	-	-	X
56	MG	2A	3203	-	-	-	X
56	MG	2A	3216	-	-	-	X
56	MG	2A	3217	-	-	-	X
56	MG	2A	3221	-	-	-	X
56	MG	2A	3222	-	-	-	X
56	MG	2A	3229	-	-	-	X
56	MG	2A	3248	-	-	-	X
56	MG	2A	3249	-	-	-	X
56	MG	2A	3256	-	-	-	X
56	MG	2A	3257	-	-	-	X
56	MG	2A	3260	-	-	-	X
56	MG	2A	3270	-	-	-	X
56	MG	2A	3277	-	-	-	X
56	MG	2A	3281	-	-	-	X
56	MG	2A	3285	-	-	-	X
56	MG	2A	3286	-	-	-	X
56	MG	2A	3289	-	-	-	X
56	MG	2A	3290	-	-	-	X
56	MG	2A	3292	-	-	-	X
56	MG	2A	3296	-	-	-	X
56	MG	2A	3298	-	-	-	X
56	MG	2A	3299	-	-	-	X
56	MG	2A	3311	-	-	-	X
56	MG	2A	3314	-	-	-	X
56	MG	2A	3315	-	-	-	X
56	MG	2A	3320	-	-	-	X
56	MG	2A	3322	-	-	-	X
56	MG	2A	3323	-	-	-	X
56	MG	2A	3324	-	-	-	X
56	MG	2A	3330	-	-	-	X
56	MG	2A	3347	-	-	-	X
56	MG	2A	3353	-	-	-	X
56	MG	2A	3356	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3358	-	-	-	X
56	MG	2A	3362	-	-	-	X
56	MG	2A	3365	-	-	-	X
56	MG	2A	3378	-	-	-	X
56	MG	2A	3379	-	-	-	X
56	MG	2A	3386	-	-	-	X
56	MG	2A	3387	-	-	-	X
56	MG	2A	3388	-	-	-	X
56	MG	2A	3390	-	-	-	X
56	MG	2A	3391	-	-	-	X
56	MG	2A	3395	-	-	-	X
56	MG	2A	3408	-	-	-	X
56	MG	2A	3419	-	-	-	X
56	MG	2A	3421	-	-	-	X
56	MG	2A	3422	-	-	-	X
56	MG	2A	3451	-	-	-	X
56	MG	2A	3459	-	-	-	X
56	MG	2A	3470	-	-	-	X
56	MG	2A	3485	-	-	-	X
56	MG	2A	3486	-	-	-	X
56	MG	2A	3491	-	-	-	X
56	MG	2A	3493	-	-	-	X
56	MG	2A	3503	-	-	-	X
56	MG	2A	3525	-	-	-	X
56	MG	2A	3529	-	-	-	X
56	MG	2A	3532	-	-	-	X
56	MG	2A	3533	-	-	-	X
56	MG	2A	3540	-	-	-	X
56	MG	2A	3551	-	-	-	X
56	MG	2A	3553	-	-	-	X
56	MG	2A	3555	-	-	-	X
56	MG	2A	3556	-	-	-	X
56	MG	2B	3005	-	-	-	X
56	MG	2D	303	-	-	-	X
56	MG	2D	305	-	-	-	X
56	MG	2E	302	-	-	-	X
56	MG	2F	303	-	-	-	X
56	MG	2U	202	-	-	-	X
56	MG	2a	1604	-	-	-	X
56	MG	2a	1618	-	-	-	X
56	MG	2a	1620	-	-	-	X
56	MG	2a	1631	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2a	1682	-	-	-	X
56	MG	2a	1684	-	-	-	X
56	MG	2a	1701	-	-	-	X
56	MG	2a	1704	-	-	-	X
56	MG	2a	1712	-	-	-	X
56	MG	2a	1715	-	-	-	X
56	MG	2a	1732	-	-	-	X
56	MG	2a	1752	-	-	-	X
56	MG	2a	1760	-	-	-	X
56	MG	2a	1771	-	-	-	X
56	MG	2a	1786	-	-	-	X
56	MG	2a	1788	-	-	-	X
56	MG	2a	1799	-	-	-	X
56	MG	2a	1806	-	-	-	X
56	MG	2a	1812	-	-	-	X
56	MG	2a	1816	-	-	-	X
56	MG	2a	1817	-	-	-	X
56	MG	2e	202	-	-	-	X

## 2 Entry composition

There are 59 unique types of molecules in this entry. The entry contains 288674 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	2746	Total	C	N	O	P	0	0	0
			59154	26327	11077	19005	2745			
1	2A	2790	Total	C	N	O	P	0	0	0
			60091	26746	11243	19313	2789			

- 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
			2572	1146	476	831	119			
2	2B	120	Total	C	N	O	P	0	0	0
			2573	1146	476	832	119			

- 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
			2142	1352	426	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
			1425	914	256	251	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	911	258	251	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
			1085	693	189	202	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1061	680	186	194	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
			1139	709	231	196	3			
11	2P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total	C	N	O	0	0	0
			877	553	175	149			
14	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			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	186	Total	C	N	O	S	0	0	0
			1470	937	262	269	2			
21	2Z	186	Total	C	N	O	S	0	0	0
			1454	929	256	267	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	75	Total	C	N	O	S	0	0	0
			598	370	127	100	1			
22	20	75	Total	C	N	O	S	0	0	0
			598	370	127	100	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
			558	352	102	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	1477	Total	C	N	O	P	0	0	0
			31750	14131	5883	10259	1477			
32	2a	1483	Total	C	N	O	P	0	0	0
			31877	14188	5905	10301	1483			

- 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
			1786	1136	321	325	4			
33	2b	231	Total	C	N	O	S	0	0	0
			1697	1079	292	321	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
			1480	932	281	266	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1412	883	269	259	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
			1618	1013	312	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1630	1022	321	280	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
			1095	695	203	193	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
			806	511	143	149	3			
37	2f	100	Total	C	N	O	S	0	0	0
			817	516	146	152	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
			1183	732	232	213	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1167	728	220	213	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
			1074	681	202	189	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
			976	620	189	167			
40	2i	127	Total	C	N	O	0	0	0
			932	589	177	166			

- 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
			682	424	130	128			
41	2j	96	Total	C	N	O	0	0	0
			678	424	126	128			

- 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
			826	513	156	154	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	2k	114	Total	C	N	O	S	0	0	0
			829	516	155	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
			920	579	181	159	1			
43	2l	122	Total	C	N	O	S	0	0	0
			918	576	182	159	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1m	118	Total	C	N	O	S	0	0	0
			923	569	191	161	2			
44	2m	116	Total	C	N	O	S	0	0	0
			903	555	187	159	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
			482	306	100	72	4			
45	2n	60	Total	C	N	O	S	0	0	0
			459	291	93	71	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
			715	447	140	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
			671	424	133	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
			811	519	148	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	84	Total	C	N	O	S	0	0	0
			642	409	119	112	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
			712	435	152	123	2			
51	2t	96	Total	C	N	O	S	0	0	0
			731	449	156	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
			187	116	42	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	5	Total	C	N	O	P	0	0	0
			109	49	22	33	5			
53	2v	5	Total	C	N	O	P	0	0	0
			109	49	22	33	5			

- Molecule 54 is a RNA chain called P-site tRNA.

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

- Molecule 55 is a protein called Oncocin 10wt.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	1z	13	Total	C	N	O	0	0	0
			108	72	20	16			
55	2z	12	Total	C	N	O	0	0	0
			101	67	19	15			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2E	4	Total	Mg	0	0
			4	4		
56	17	6	Total	Mg	0	0
			6	6		
56	2d	1	Total	Mg	0	0
			1	1		
56	1T	6	Total	Mg	0	0
			6	6		
56	1N	8	Total	Mg	0	0
			8	8		
56	1u	1	Total	Mg	0	0
			1	1		
56	18	4	Total	Mg	0	0
			4	4		
56	1o	2	Total	Mg	0	0
			2	2		
56	2W	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Y	1	Total 1	Mg 1	0	0
56	13	2	Total 2	Mg 2	0	0
56	1f	1	Total 1	Mg 1	0	0
56	1P	6	Total 6	Mg 6	0	0
56	2B	10	Total 10	Mg 10	0	0
56	1q	4	Total 4	Mg 4	0	0
56	2a	217	Total 217	Mg 217	0	0
56	1k	1	Total 1	Mg 1	0	0
56	1E	8	Total 8	Mg 8	0	0
56	1b	2	Total 2	Mg 2	0	0
56	2l	4	Total 4	Mg 4	0	0
56	2F	3	Total 3	Mg 3	0	0
56	16	3	Total 3	Mg 3	0	0
56	28	1	Total 1	Mg 1	0	0
56	2e	3	Total 3	Mg 3	0	0
56	1W	5	Total 5	Mg 5	0	0
56	1A	1096	Total 1096	Mg 1096	0	0
56	1t	1	Total 1	Mg 1	0	0
56	2p	1	Total 1	Mg 1	0	0
56	1n	1	Total 1	Mg 1	0	0
56	1X	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	20	1	Total 1	Mg 1	0	0
56	25	1	Total 1	Mg 1	0	0
56	1D	13	Total 13	Mg 13	0	0
56	2N	1	Total 1	Mg 1	0	0
56	1e	3	Total 3	Mg 3	0	0
56	2G	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	1V	1	Total 1	Mg 1	0	0
56	1a	307	Total 307	Mg 307	0	0
56	2Q	5	Total 5	Mg 5	0	0
56	15	3	Total 3	Mg 3	0	0
56	1x	10	Total 10	Mg 10	0	0
56	1R	6	Total 6	Mg 6	0	0
56	1m	2	Total 2	Mg 2	0	0
56	2U	2	Total 2	Mg 2	0	0
56	1G	3	Total 3	Mg 3	0	0
56	2O	2	Total 2	Mg 2	0	0
56	11	4	Total 4	Mg 4	0	0
56	1d	2	Total 2	Mg 2	0	0
56	2n	1	Total 1	Mg 1	0	0
56	1H	3	Total 3	Mg 3	0	0

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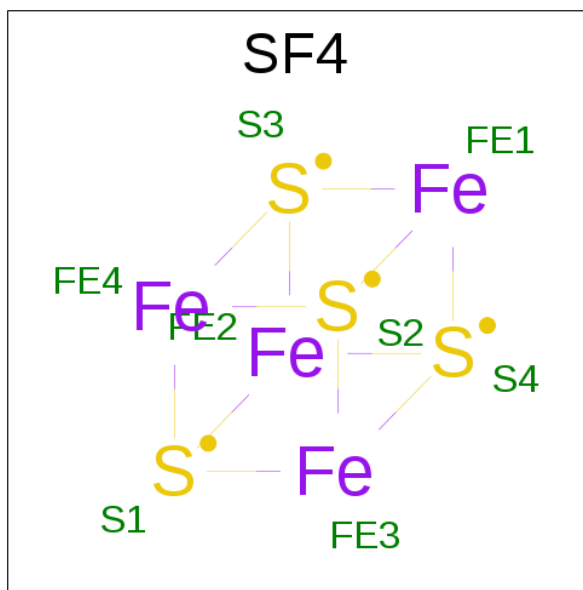
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2Y	2	Total Mg 2 2	0	0
56	2x	5	Total Mg 5 5	0	0
56	1Z	2	Total Mg 2 2	0	0
56	2D	6	Total Mg 6 6	0	0
56	2q	2	Total Mg 2 2	0	0
56	2k	1	Total Mg 1 1	0	0
56	1U	6	Total Mg 6 6	0	0
56	1O	3	Total Mg 3 3	0	0
56	1r	3	Total Mg 3 3	0	0
56	19	3	Total Mg 3 3	0	0
56	1l	1	Total Mg 1 1	0	0
56	1F	7	Total Mg 7 7	0	0
56	10	6	Total Mg 6 6	0	0
56	2t	1	Total Mg 1 1	0	0
56	1Q	7	Total Mg 7 7	0	0
56	2A	559	Total Mg 559 559	0	0
56	1h	3	Total Mg 3 3	0	0
56	2Z	1	Total Mg 1 1	0	0
56	1B	27	Total Mg 27 27	0	0
56	1c	1	Total Mg 1 1	0	0

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

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

- Molecule 58 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula:  $\text{Fe}_4\text{S}_4$ ).



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

- Molecule 59 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1A	2345	Total	O	0	0
			2345	2345		
59	1B	45	Total	O	0	0
			45	45		
59	1D	20	Total	O	0	0
			20	20		
59	1E	29	Total	O	0	0
			29	29		
59	1F	18	Total	O	0	0
			18	18		
59	1G	4	Total	O	0	0
			4	4		
59	1H	4	Total	O	0	0
			4	4		
59	1I	1	Total	O	0	0
			1	1		
59	1N	12	Total	O	0	0
			12	12		
59	1O	6	Total	O	0	0
			6	6		
59	1P	16	Total	O	0	0
			16	16		
59	1Q	12	Total	O	0	0
			12	12		
59	1R	10	Total	O	0	0
			10	10		
59	1S	1	Total	O	0	0
			1	1		
59	1T	14	Total	O	0	0
			14	14		
59	1U	11	Total	O	0	0
			11	11		
59	1V	5	Total	O	0	0
			5	5		
59	1W	9	Total	O	0	0
			9	9		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1X	6	Total 6	O 6	0	0
59	1Y	1	Total 1	O 1	0	0
59	1Z	6	Total 6	O 6	0	0
59	10	7	Total 7	O 7	0	0
59	11	9	Total 9	O 9	0	0
59	12	1	Total 1	O 1	0	0
59	13	5	Total 5	O 5	0	0
59	14	1	Total 1	O 1	0	0
59	15	9	Total 9	O 9	0	0
59	16	6	Total 6	O 6	0	0
59	17	3	Total 3	O 3	0	0
59	18	15	Total 15	O 15	0	0
59	19	4	Total 4	O 4	0	0
59	1a	395	Total 395	O 395	0	0
59	1b	1	Total 1	O 1	0	0
59	1d	5	Total 5	O 5	0	0
59	1e	3	Total 3	O 3	0	0
59	1f	1	Total 1	O 1	0	0
59	1h	4	Total 4	O 4	0	0
59	1i	1	Total 1	O 1	0	0
59	1j	2	Total 2	O 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1k	2	Total 2	O 2	0	0
59	1l	3	Total 3	O 3	0	0
59	1o	3	Total 3	O 3	0	0
59	1s	1	Total 1	O 1	0	0
59	1v	2	Total 2	O 2	0	0
59	1x	11	Total 11	O 11	0	0
59	1z	1	Total 1	O 1	0	0
59	2A	810	Total 810	O 810	0	0
59	2B	10	Total 10	O 10	0	0
59	2D	15	Total 15	O 15	0	0
59	2E	9	Total 9	O 9	0	0
59	2F	4	Total 4	O 4	0	0
59	2O	2	Total 2	O 2	0	0
59	2P	6	Total 6	O 6	0	0
59	2Q	2	Total 2	O 2	0	0
59	2R	2	Total 2	O 2	0	0
59	2T	2	Total 2	O 2	0	0
59	2U	4	Total 4	O 4	0	0
59	2V	1	Total 1	O 1	0	0
59	2W	1	Total 1	O 1	0	0
59	2X	2	Total 2	O 2	0	0

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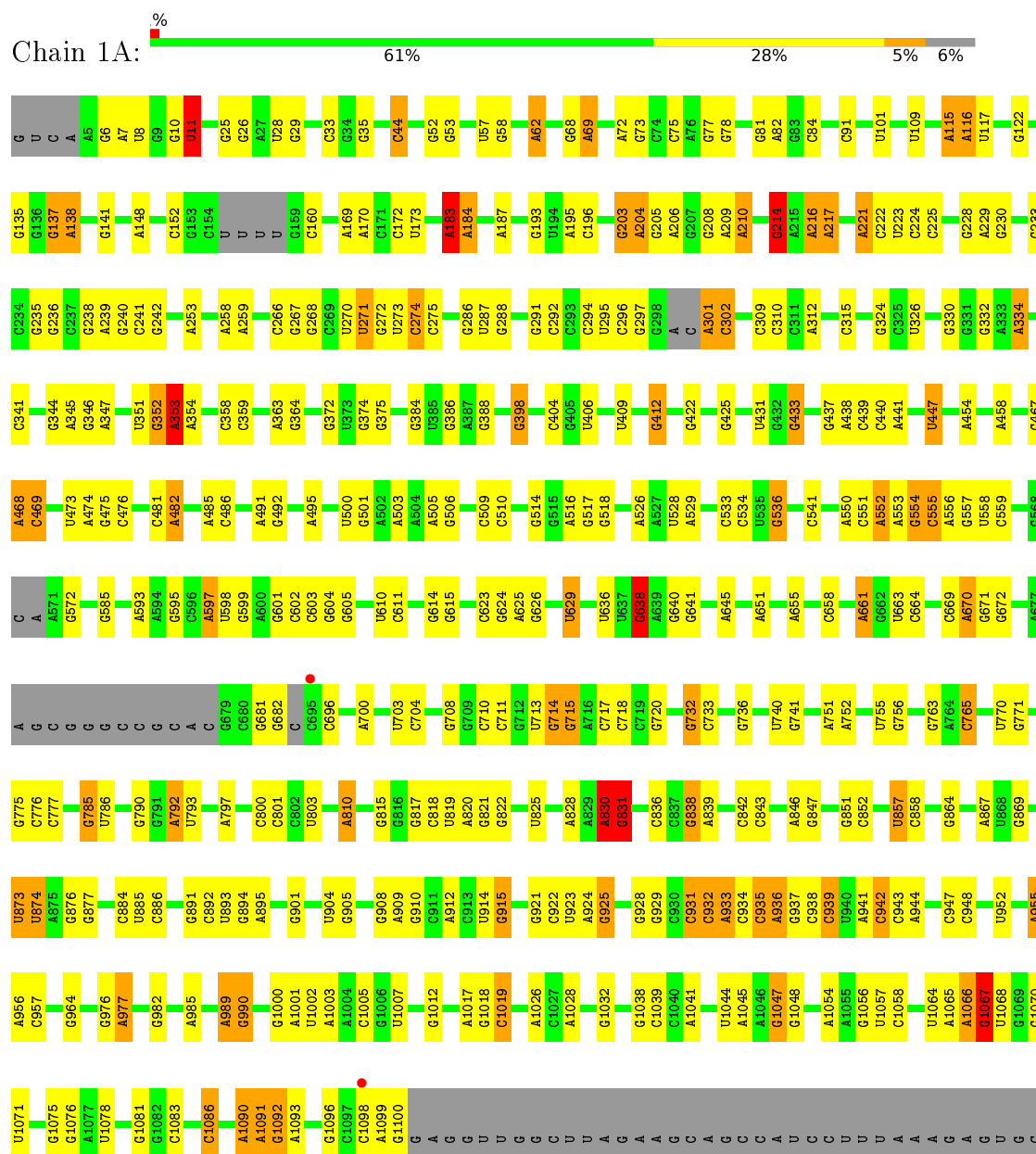
*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	2Y	1	Total 1	O 1	0	0
59	2Z	4	Total 4	O 4	0	0
59	20	3	Total 3	O 3	0	0
59	21	1	Total 1	O 1	0	0
59	23	2	Total 2	O 2	0	0
59	28	4	Total 4	O 4	0	0
59	2a	235	Total 235	O 235	0	0
59	2d	2	Total 2	O 2	0	0
59	2e	3	Total 3	O 3	0	0
59	2i	1	Total 1	O 1	0	0
59	2m	1	Total 1	O 1	0	0
59	2n	1	Total 1	O 1	0	0
59	2p	1	Total 1	O 1	0	0
59	2t	4	Total 4	O 4	0	0
59	2x	5	Total 5	O 5	0	0
59	2z	1	Total 1	O 1	0	0

### 3 Residue-property plots

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

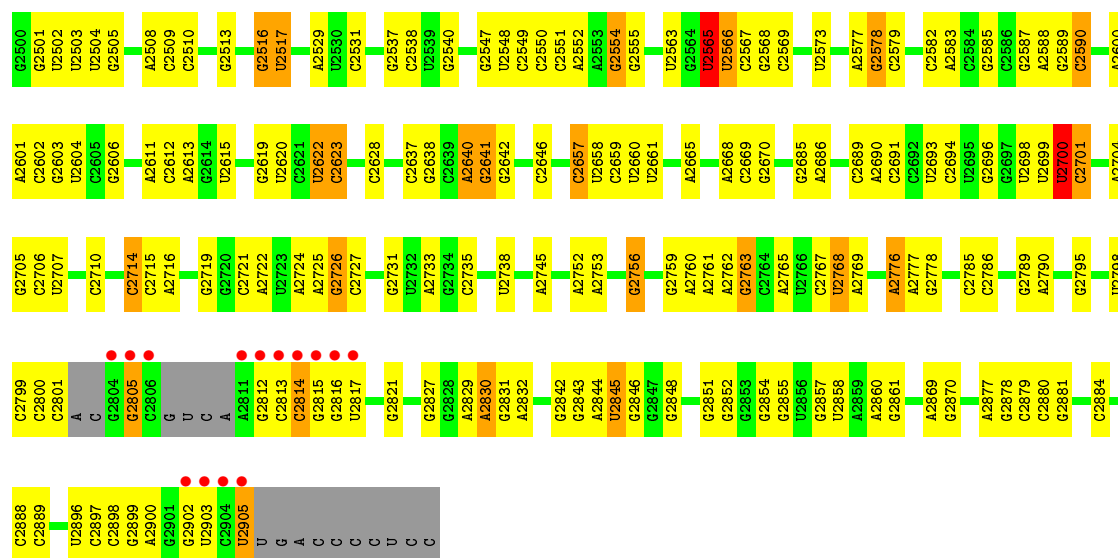
#### • Molecule 1: 23S Ribosomal RNA



G2641	C2593	G2429	G2315	C2206	G	U1938	A1803	G1886	U1559	G1461	U1345	C1229	G
G2642	G2594	U2430	A2316	G2207	A	A1939	G1806	A1887	C1560	C1462	A1346	G1230	U
A2650	A2599	A2433	G2319	G2208	C	A1940	G1807	G1888	U1565	A1463	A1347	G1231	A
G2667	G2595	U2434	A2320	U2210	C	C1941	U1807	C1889	U1566	A1464	G1348	U1232	A
U2668	G2596	G2435	A2321	G2211	U	U1947	U1808	G1691	G1566	U1465	C1349	C1245	U
A2665	G2540	A2436	A2322	G2212	C	A1948	U1809	G1692	G1570	G1466	C1350	G1245	A
G2670	G2550	G2437	U2323	G2213	G	A1949	A1810	G1693	G1578	G1470	G1354	A1248	C
C2678	C2561	G2438	C2324	G2214	U	G1950	A1813	C1697	C1578	G1471	G1355	A1249	U
A2690	G2562	U2441	G2325	G2215	G	G1951	C1820	U1697	G	A1472	G1356	A1254	U
C2694	C2563	C2442	C2326	G2216	A	U1952	C1821	A1700	U	A1473	A1357	A1257	C
U2698	G2568	U2443	C2327	U2217	C	A1953	A1821	C1704	A	G1474	U1358	G1262	A
U2699	C2569	U2444	C2328	U2218	C	G1954	G1822	C1705	C	G1475	C1359	C1263	U
C2701	G2570	U2445	G2329	U2219	C	C1955	G1823	C1706	G1583	U1476	C1360	G1264	U
C2702	U2571	A2446	A2330	G2220	C	U1956	U1826	G1713	A1588	G1477	G1369	C1265	U
C2703	A2572	G2447	A2331	G2221	C	A1957	C1827	A1714	A1589	A1478	G1370	C1266	U
A2704	G2573	U2448	G2336	A2228	C	U1958	A1714	A1715	C1589	C1482	G1373	G1275	U
G2705	G2574	A2449	C2337	U2229	C	A1959	G1829	A1720	G1603	A1490	G1377	G1276	U
C2708	C2575	U2450	A2338	G2230	C	U1976	C1830	G1726	A1604	C1491	C1378	U1279	U
U2709	U2576	G2451	G2339	U2231	U	U1984	G1831	U1727	G1605	G1496	A1381	G1280	U
C2710	G2577	U2452	G2340	A2236	C	U1985	A1832	G1728	A1612	G1497	G1382	G1281	U
C2711	A2578	G2453	G2341	U2243	C	G1986	G1841	C1731	A1615	U1500	G1383	G1282	U
A2712	G2579	U2454	A2342	U2244	G	G1987	G1842	C1732	A1616	A1501	A1174	G1283	U
C2713	C2580	G2455	G2343	G2245	U	U1988	G1843	A1745	G1627	G1512	A1175	G1284	U
G2718	G2581	U2456	U2344	U2246	C	A1989	A1845	U1747	C1628	C1513	A1285	A1287	U
C2719	C2582	A2457	A2345	G2247	C	A1990	G1846	A1748	A1629	C1514	A1387	A1288	U
C2720	G2583	G2458	G2346	U2248	C	U1991	A1847	A1749	C1630	C1520	U1397	G1289	U
G2721	U2584	U2459	A2347	G2249	G	A1992	G1848	U1750	A1631	A1405	A1406	A1298	U
U2722	G2585	G2460	G2348	C2251	G	U1993	G1849	C1755	A1632	G1521	G1409	G1301	U
C2723	C2586	U2461	U2349	U2252	C	A1994	G1850	C1756	C1633	G1522	A1410	C1302	U
A2724	G2587	G2462	G2350	U2253	C	U1995	A1853	U1757	C1634	G1523	G1411	C1303	U
A2725	U2588	U2463	G2351	G2254	C	U1996	G1854	G1760	G1639	G1524	U1312	G1304	U
G2726	G2589	G2464	A2352	A2279	C	G1997	G1855	U1761	G1640	G1525	A1418	A1312	U
C2730	C2590	U2465	G2353	U2280	C	U2002	G1856	G1762	G1641	U1526	A1313	A1313	U
G2734	U2591	G2466	U2354	G2281	C	U2003	A1859	A1763	A1642	U1527	A1314	A1314	U
C2735	G2592	U2467	G2355	U2282	C	U2004	G1860	U1764	C1643	A1531	G1315	G1315	U
U2738	G2593	A2468	G2356	G2283	C	U2005	C1861	C1774	A1644	G1532	G1316	A1317	U
G2744	C2594	U2469	A2357	U2284	C	U2006	G1862	G1775	A1645	A1533	U1318	A1318	U
A2745	G2595	G2470	G2358	G2285	C	U2007	A1863	U1776	C1646	A1534	G1429	A1319	U
A2753	U2596	U2471	U2359	C2286	C	U2008	G1864	G1777	G1647	G1535	G1430	A1319	U
G2759	C2597	G2472	G2360	U2287	C	U2009	C1865	U1778	C1648	G1536	A1438	A1323	U
C2764	G2598	U2473	A2361	A2288	C	U2010	G1866	C1779	A1649	A1537	U1674	A1323	U
	U2599	G2474	G2362	G2289	C	U2011	C1867	G1780	A1650	C1538	U1441	A1332	U
	G2600	U2475	U2363	U2290	C	U2012	A1868	C1781	A1651	A1539	U1442	A1333	U
	A2613	G2476	G2364	G2291	C	U2013	G1869	U1782	A1652	A1540	U1443	U1337	U
C2617	C2617	U2477	A2365	C2292	C	U2014	C1870	G1783	C1653	A1541	U1444	U1338	U
U2620	U2620	U2478	G2366	U2293	C	U2015	G1871	C1784	A1654	A1542	U1445	C1339	U
C2621	G2621	G2479	U2367	G2294	C	U2016	C1872	U1785	A1655	A1543	U1446	C1340	U
U2622	U2622	A2480	G2368	U2295	C	U2017	G1873	G1786	C1656	A1544	U1447	U1341	U
C2623	C2623	U2481	A2369	G2296	C	U2018	C1874	C1787	A1657	A1545	U1448	C1342	U
U2624	G2624	U2482	G2370	U2297	C	U2019	G1875	U1788	A1658	A1546	U1449	C1343	U
G2628	C2628	G2483	U2371	A2298	C	U2020	C1876	G1789	A1659	A1547	U1450	C1344	U
C2629	C2629	U2484	G2372	U2299	C	U2021	G1877	U1790	A1660	A1548	U1451	C1345	U
U2630	U2630	A2485	A2373	U2300	C	U2022	C1878	G1791	A1661	A1549	U1452	C1346	U
G2634	G2634	U2486	G2374	G2301	C	U2023	G1879	U1792	A1662	A1550	U1453	C1347	U
C2635	C2635	G2487	U2375	U2302	C	U2024	C1880	G1793	A1663	A1551	U1454	C1348	U
U2636	U2636	U2488	G2376	G2303	C	U2025	G1881	U1794	A1664	A1552	U1455	C1349	U
A2637	A2637	G2489	A2377	U2304	C	U2026	C1882	G1795	A1665	A1553	U1456	C1350	U
G2638	G2638	U2490	G2378	G2305	C	U2027	G1883	U1796	A1666	A1554	U1457	C1351	U
C2639	C2639	U2491	U2379	U2306	C	U2028	C1884	G1797	A1667	A1555	U1458	C1352	U
U2640	U2640	G2492	G2380	U2307	C	U2029	G1885	U1798	A1668	A1556	U1459	C1353	U
A2641	A2641	U2493	A2381	U2308	C	U2030	C1886	G1799	A1669	A1557	U1460	C1354	U
C2642	C2642	G2494	G2382	G2309	C	U2031	G1887	U1800	A1670	A1558	U1461	C1355	U
G2643	G2643	U2495	U2383	U2310	C	U2032	C1888	G1801	A1671	A1559	U1462	C1356	U
U2644	U2644	G2496	G2384	G2311	C	U2033	G1889	U1802	A1672	A1560	U1463	C1357	U
C2645	C2645	U2497	A2385	U2312	C	U2034	C1890	G1803	A1673	A1561	U1464	C1358	U
U2646	U2646	G2498	G2386	U2313	C	U2035	G1891	U1804	A1674	A1562	U1465	C1359	U
A2647	A2647	U2499	U2387	G2314	C	U2036	C1892	G1805	A1675	A1563	U1466	C1360	U
G2648	G2648	G2490	G2388	U2315	C	U2037	G1893	U1806	A1676	A1564	U1467	C1361	U
C2649	C2649	U2491	A2389	U2316	C	U2038	C1894	G1807	A1677	A1565	U1468	C1362	U
U2650	U2650	G2492	G2390	G2317	C	U2039	G1895	U1808	A1678	A1566	U1469	C1363	U
C2651	C2651	U2493	U2391	U2318	C	U2040	C1896	G1809	A1679	A1567	U1470	C1364	U
U2652	U2652	G2494	G2392	U2319	C	U2041	G1897	U1810	A1680	A1568	U1471	C1365	U
A2653	A2653	U2495	A2393	G2320	C	U2042	C1898	G1811	A1681	A1569	U1472	C1366	U
C2654	C2654	G2496	G2394	U2321	C	U2043	G1899	U1812	A1682	A1570	U1473	C1367	U
U2655	U2655	U2497	U2395	G2322	C	U2044	C1900	G1813	A1683	A1571	U1474	C1368	U
G2656	G2656	G2498	G2396	U2323	C	U2045	G1901	U1814	A1684	A1572	U1475	C1369	U
C2657	C2657	U2499	A2397	G2324	C	U2046	C1902	G1815	A1685	A1573	U1476	C1370	U
U2658	U2658	G2490	G2398	U2325	C	U2047	G1903	U1815	A1686	A1574	U1477	C1371	U
A2659	A2659	U2491	U2399	U2326	C	U2048	C1904	G1816	A1687	A1575	U1478	C1372	U
C2660	C2660	G2492	G2400	G2327	C	U2049	G1905	U1816	A1688	A1576	U1479	C1373	U
G2661	G2661	U2493	A2401	U2328	C	U2050	C1906	G1817	A1689	A1577	U1480	C1374	U
C2662	C2662	G2494	G2402	U2329	C	U2051	G1907	U1817	A1690	A1578	U1481	C1375	U
U2663	U2663	U2495	U2403	G2330	C	U2052	C1908	G1818	A1691	A1579	U1482	C1376	U
A2664	A2664	G2496	A2404	U2331	C	U2053	G1909	U1819	A1692	A1580	U1483	C1377	U
C2665	C2665	U2497	G2405	U2332	C	U2054	C1910	G1820	A1693	A1581	U1484	C1378	U
G2666	G2666	G2498	U2406	G2333	C	U2055	G1911	U1821	A1694	A1582	U1485	C1379	U
U2667	U2667	U2499	A2407	U2334	C	U2056	C1912	G1822	A1695	A1583	U1486	C1380	U
C2668	C2668	G2490	G2408	G2335	C	U2057	G1913	U1823	A1696	A1584	U1487	C1381	U
A2669	A2669	U2491	U2409	U2336	C	U2058	C1914	G1824	A1697	A1585	U1488	C1382	U
C2670	C2670	G2492	G2410	U2337	C	U2059	G1915	U1825	A1698	A1586	U1489	C1383	U
G2671	G2671	U2493	A2411	G2338	C	U2060	C1916	G1826	A1699	A1587	U1490	C1384	U
C2672	C2672	G2494	G2411	U2339	C	U2061	G1917	U1827	A1700	A1588	U1491	C1385	U
U2673	U2673	U2495	U2412	U2340	C	U2062	C1918	G1828	A1701	A1589	U1492	C1386	U
A2674	A2674	G2496	A2413	G2341	C	U2063	G1919	U1829	A1702	A1590	U1493	C1387	U
C2675	C2675	U2497	G2414	U2342	C	U2064	C1920	G1830	A1703	A1591	U1494	C1388	U
G2676	G2676	G2498	U2415	G2343	C	U2065	G1921	U1831	A1704	A1592	U1495	C1389	U
C2677	C2677	U2499	A2416	U2344	C	U2066	C1922	G1832	A1705	A1593	U1496	C1390	U
U26													



G2405	C2328	G2245	G	G2439	A1789	A1883	G1585	G1480	U1402	G1295	G1214	A1131
G2411	G2329	G2246	G	A1993	A1792	C1684	C1589	G1481	G1403	C1296	G1215	G1132
U2412	A2331	G2247	G	G1994	G1793	U1685	C1588	G1486	A1404	G1297	G1216	A1133
C2413	G2332	G2250	G	A1889	A1794	A1686	C1593	G1487	A1405	A1298	G	G1134
C2414	G2333	G2251	G	G1990	G1795	A1687	C1592	G1488	G1406	G1301	A	U1135
G2415	G2334	A2252	G	G1991	G1796	G1693	C1594	G1489	C1407	C1302	U	G1136
G2416	G2335	G2253	G	U1894	U1797	C1694	C1594	A1490	G1408	G1303	G	
U2417	G2336	G2254	G	A1897	A1803	A1698	A1604	G1494	A1409	U1308	A	A1141
G2418	C2337	G2255	G	G1898	A1804	A1699	G1605	A1495	A1410	G1309	G	U1142
U2419	A2338	G2256	A	G1899	U1805	G1699	G1605	G1496	A1411	A1310	U	U1146
G2420	A2339	G2257	G	A1906	G1806	C1702	A1612	G1497	A1412	A1311	G	
G2421	G2340	G2258	C	C1907	U1807	C1703	A1615	G1501	G1413	G1312	C	C1149
A2422	U2341	G2259	G	A1910	U1808	G1713	G1619	G1502	C1415	A1313	U	U1150
C2423	U2342	G2260	G	A1911	A1810	A1714	U1624	G1507	G1416	A1314	G	G1151
C2424	G2343	G2261	C	G2125	G1811	A1715	A1625	G1508	A1417	G1315	U	G1152
C2425	A2344	A2278	G	G2126	C1812	U1716	A1626	C1509	U1231	G1316	G	U1153
C2426	A2345	A2279	G	C2127	A1813	U1717	A1627	G1512	U1232	A1317	G	G1154
U2430	A2346	A2280	G	A1921	A1814	G1718	A1628	C1513	G1233	A1317	G	G1155
C2433	A2347	G2281	G	A1922	A1815	U1719	C1629	G1517	G1234	U1318	G	A1156
C2434	C2353	G2282	U	G1923	A1816	U1720	A1630	G1517	G1235	G1322	G	A1157
A2436	C2354	A2283	G	G1924	G1817	G1726	A1631	G1524	G1236	G1330	G	U1158
C2439	U2355	A2284	A	G1927	A1819	U1726	A1632	G1528	G1237	A1331	G	G1159
G2440	C2356	G2285	A	G1928	C1820	C1732	A1633	G1528	G1238	A1332	G	C1160
G2441	A2357	G2286	U	A1929	A1821	G1733	C1633	G1528	G1239	A1333	G	G1161
C2442	C2358	A2287	G	C1935	G1822	G1734	U1635	U1534	C1244	U1345	G	G1162
A2446	G2360	G2288	C	U1936	C1823	A1735	U1635	A1535	G1245	A1346	G	G1167
C2450	A2362	G2289	G	A1937	U1826	U1739	G1638	G1536	G1246	A1347	G	G1170
C2451	A2363	A2290	C	U1938	C1827	G1740	G1639	G1537	G1247	G1348	G	A1171
C2452	C2367	G2291	U	U1939	G1828	G1741	C1644	G1538	U1248	C1349	G	
G2456	U2368	G2292	G	A1948	U1829	G1742	C1644	U1542	G1249	C1350	G	
C2457	G2369	G2293	G	C1949	G1830	A1744	C1644	G1549	G1250	G1354	G	A1174
C2458	C2370	G2294	G	G1950	G1831	G1745	C1644	C1550	G1251	G1355	G	U1175
A2459	A2371	G2295	G	U1951	G1832	A1746	C1649	C1550	G1252	G1356	G	G1176
G2465	C2375	G2296	G	U1952	A1833	A1746	C1649	C1550	G1253	U1357	G	C1179
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G2481	C2382	G2300	U	A1959	G1846	U1759	A1655	A1556	G1267	U1361	G	G1183
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C2493	G2395	G2313	C	G1985	C1874	C1782	C1676	G1579	G1471	A1472	G	C1199
C2494	C2396	G2314	C	C1988	C1875	G1783	C1677	U	A1473	A1387	G	G1199
G2496	C2397	G2315	U	G1989	C1876	G1783	C1677	A	G1474	A1387	G	A1200
C2497	U2398	G2316	C	G1990	A1877	G1786	G1681	C1582	G1475	A1399	G	U1210
G2498	G2399	G2317	C	A1991	A1878	G1786	C1682	C1582	U1476	G1401	G	C1211
A2499	C2400	G2318	G									



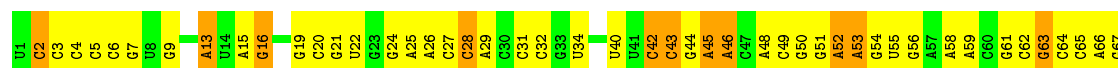
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 73% 26% ..



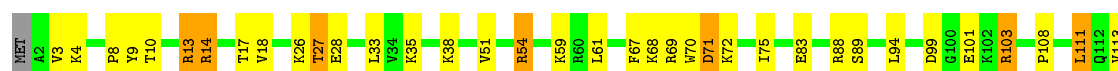
• Molecule 2: 5S Ribosomal RNA

Chain 2B: 38% 49% 12% .



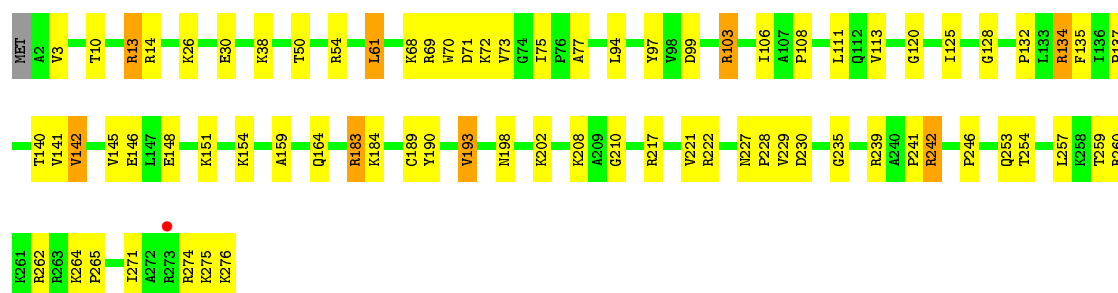
• Molecule 3: 50S ribosomal protein L2

Chain 1D: 72% 22% 5%



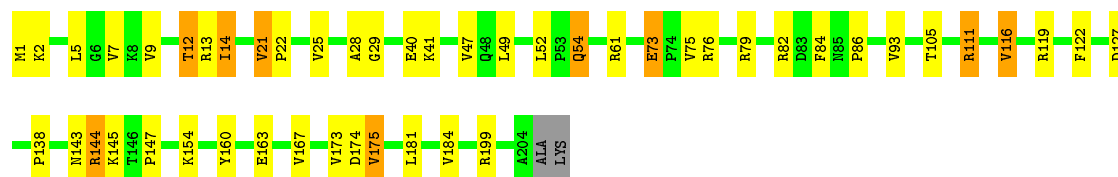
• Molecule 3: 50S ribosomal protein L2

Chain 2D: 72% 25%



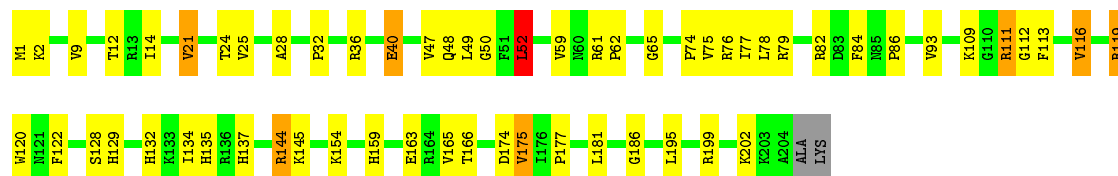
- Molecule 4: 50S ribosomal protein L3

Chain 1E: 75% 19% . .



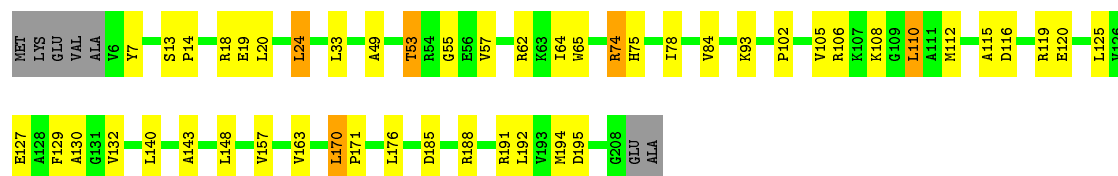
- Molecule 4: 50S ribosomal protein L3

Chain 2E: 70% 25% . .



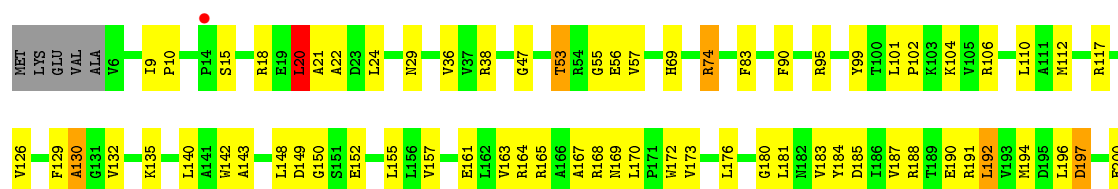
- Molecule 5: 50S ribosomal protein L4

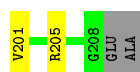
Chain 1F: 73% 21% . .



- Molecule 5: 50S ribosomal protein L4

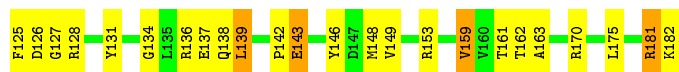
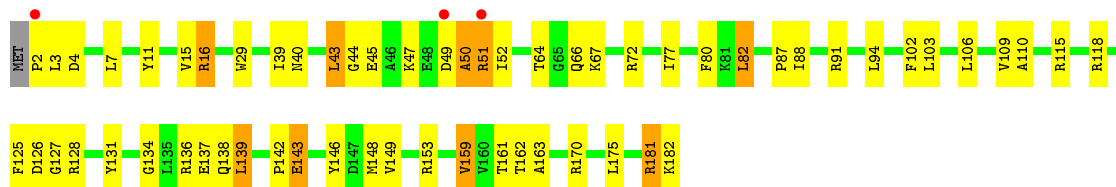
Chain 2F: 63% 30% . .





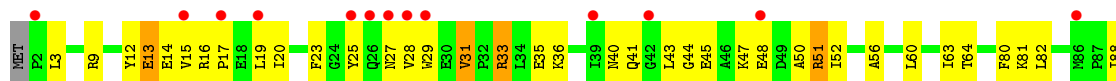
- Molecule 6: 50S ribosomal protein L5

Chain 1G: 2% 66% 28% 5%



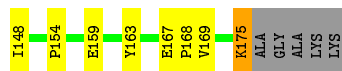
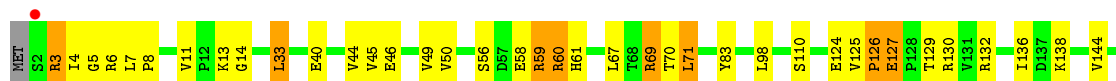
- Molecule 6: 50S ribosomal protein L5

Chain 2G: 10% 56% 37% 7%



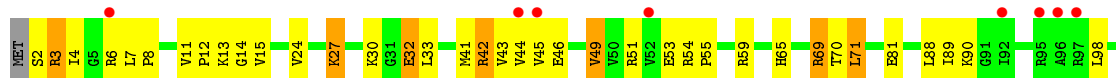
- Molecule 7: 50S ribosomal protein L6

Chain 1H: % 71% 21% 5%



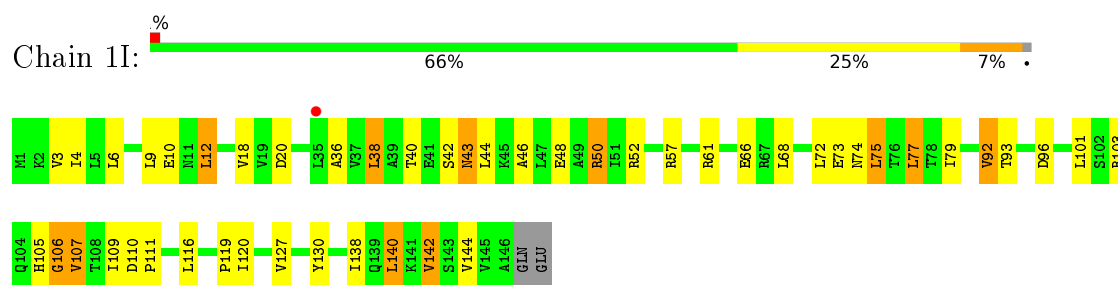
- Molecule 7: 50S ribosomal protein L6

Chain 2H: 12% 62% 29% 5%

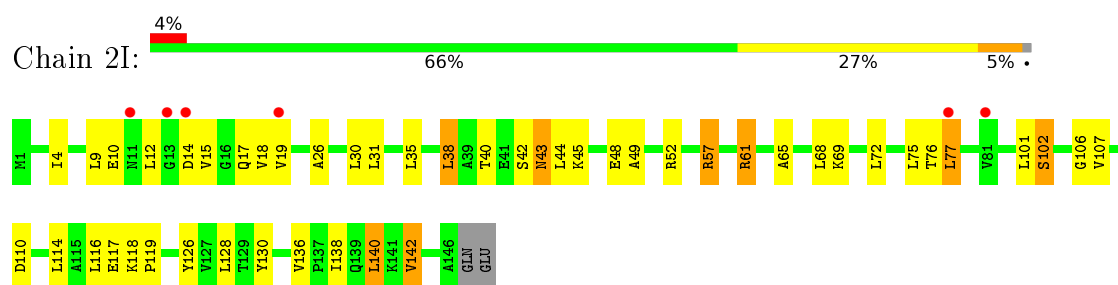


- Molecule 8: 50S ribosomal protein L9

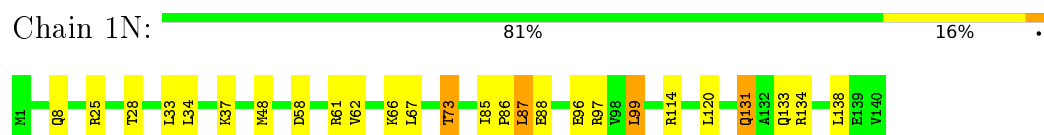




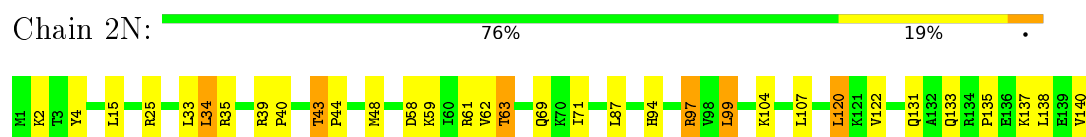
- Molecule 8: 50S ribosomal protein L9



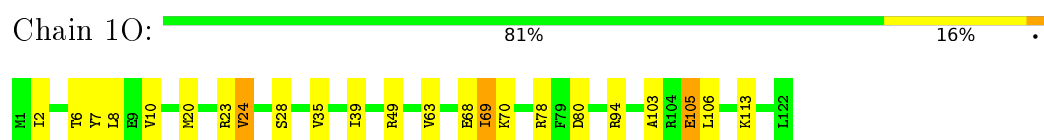
- Molecule 9: 50S ribosomal protein L13



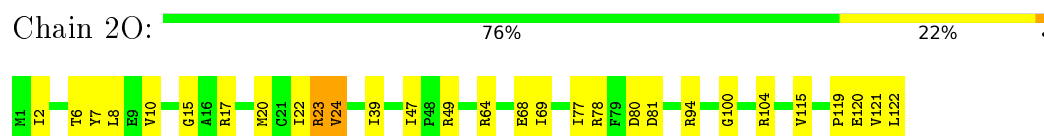
- Molecule 9: 50S ribosomal protein L13



- Molecule 10: 50S ribosomal protein L14

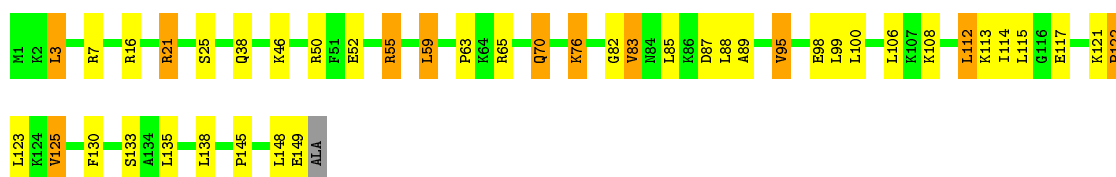


- Molecule 10: 50S ribosomal protein L14

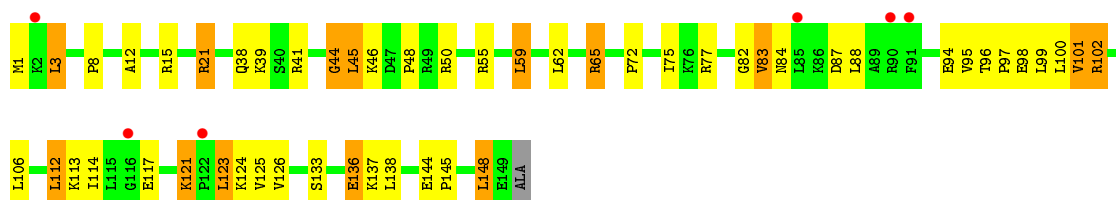


- Molecule 11: 50S ribosomal protein L15

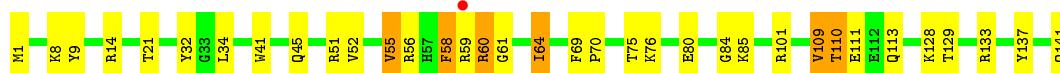
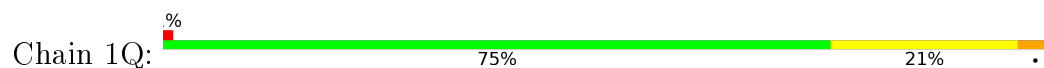




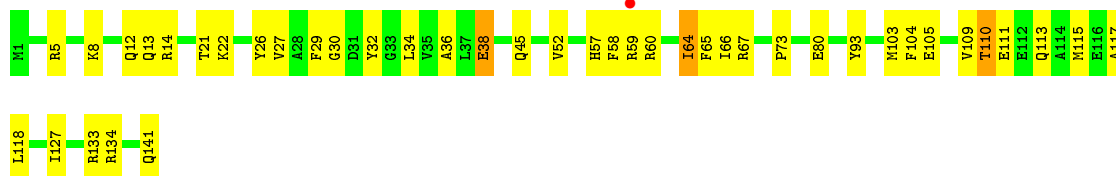
- Molecule 11: 50S ribosomal protein L15



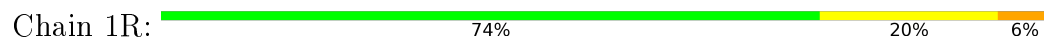
- Molecule 12: 50S ribosomal protein L16



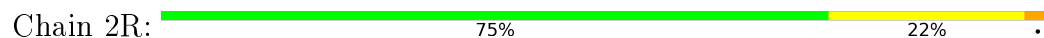
- Molecule 12: 50S ribosomal protein L16



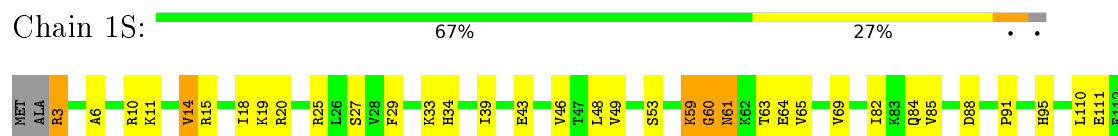
- Molecule 13: 50S ribosomal protein L17



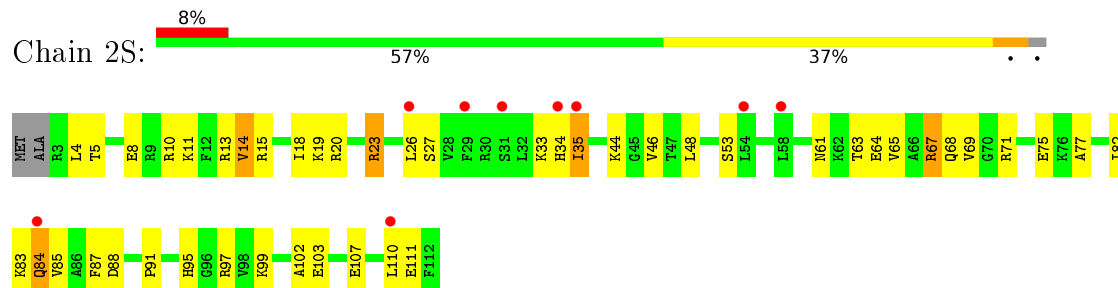
- Molecule 13: 50S ribosomal protein L17



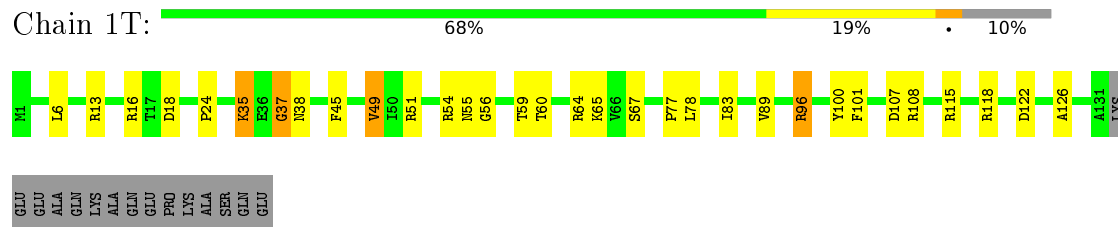
- Molecule 14: 50S ribosomal protein L18



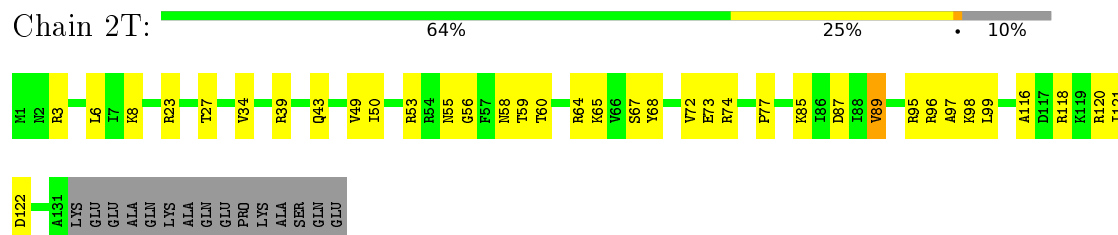
- Molecule 14: 50S ribosomal protein L18



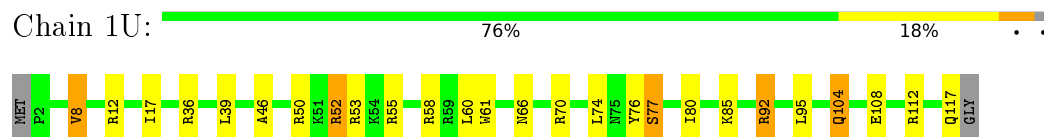
- Molecule 15: 50S ribosomal protein L19



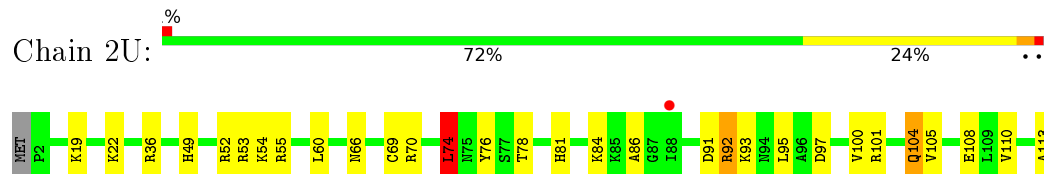
- Molecule 15: 50S ribosomal protein L19




- Molecule 16: 50S ribosomal protein L20



- Molecule 16: 50S ribosomal protein L20



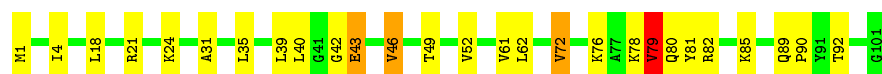
- Molecule 17: 50S ribosomal protein L21

Chain 1V:  77% 20% ..




- Molecule 17: 50S ribosomal protein L21

Chain 2V:  73% 23% ..




- Molecule 18: 50S ribosomal protein L22

Chain 1W:  80% 17% ..




- Molecule 18: 50S ribosomal protein L22

Chain 2W:  74% 22% ..




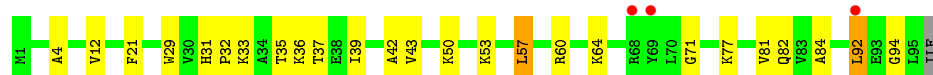
- Molecule 19: 50S ribosomal protein L23

Chain 1X:  76% 22% ..



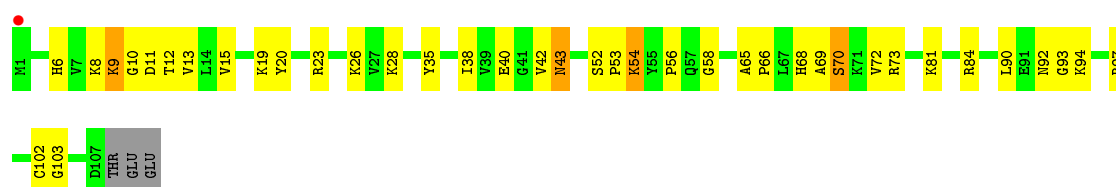
- Molecule 19: 50S ribosomal protein L23

Chain 2X:  3% 73% 24% ..

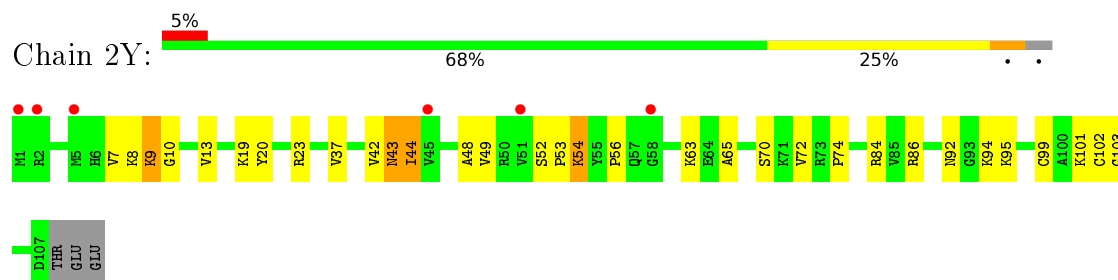


- Molecule 20: 50S ribosomal protein L24

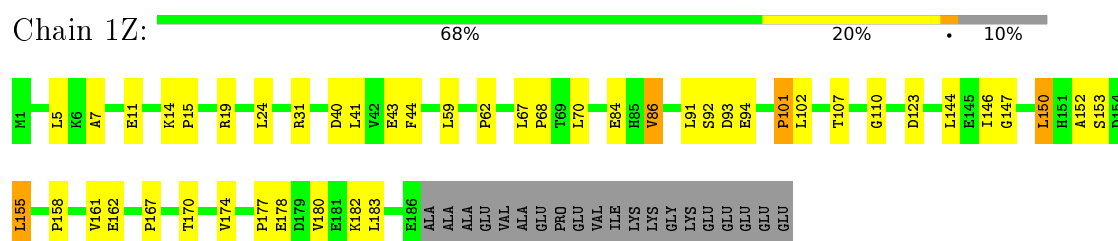
Chain 1Y:  62% 32% ..



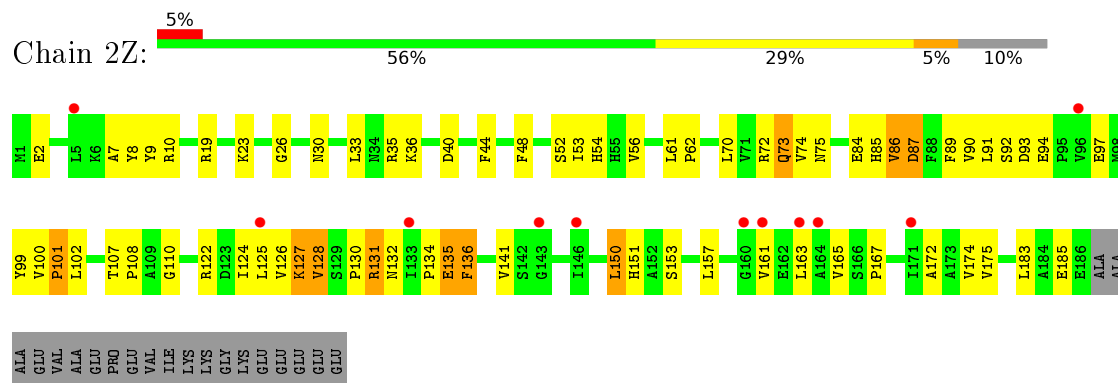
- Molecule 20: 50S ribosomal protein L24



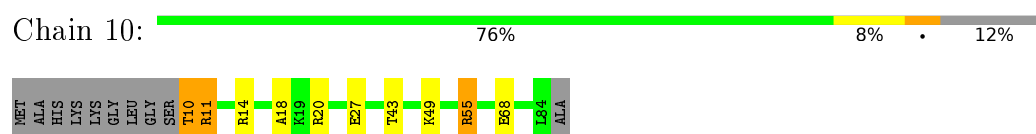
- Molecule 21: 50S ribosomal protein L25



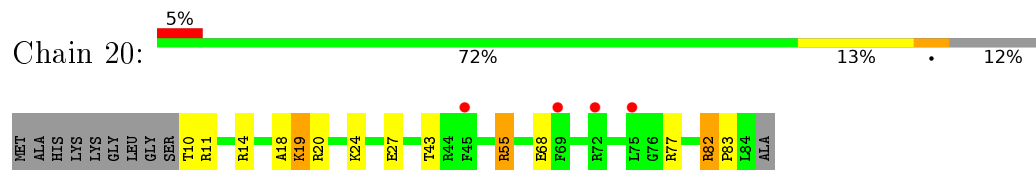
- Molecule 21: 50S ribosomal protein L25



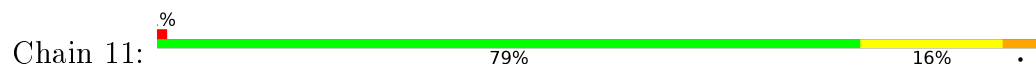
- Molecule 22: 50S ribosomal protein L27



- Molecule 22: 50S ribosomal protein L27

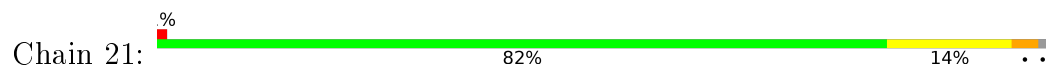


- Molecule 23: 50S ribosomal protein L28

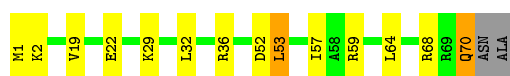
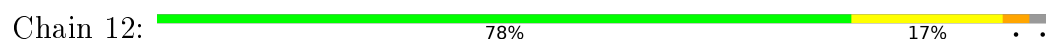




- Molecule 23: 50S ribosomal protein L28



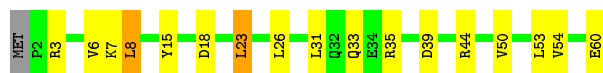
- Molecule 24: 50S ribosomal protein L29



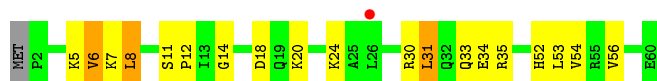
- Molecule 24: 50S ribosomal protein L29



- Molecule 25: 50S ribosomal protein L30



- Molecule 25: 50S ribosomal protein L30

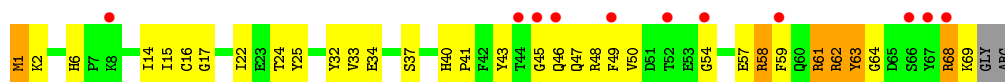


- Molecule 26: 50S ribosomal protein L31



- Molecule 26: 50S ribosomal protein L31





- Molecule 27: 50S ribosomal protein L32

Chain 15: 82% 13% ..



- Molecule 27: 50S ribosomal protein L32

Chain 25: 78% 18% ..



- Molecule 28: 50S ribosomal protein L33

Chain 16: 67% 28% ..



- Molecule 28: 50S ribosomal protein L33

Chain 26: 85% 9% ..



- Molecule 29: 50S ribosomal protein L34

Chain 17: 2% 59% 37% ..



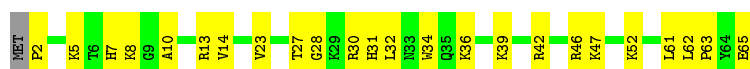
- Molecule 29: 50S ribosomal protein L34

Chain 27: 6% 78% 20% .

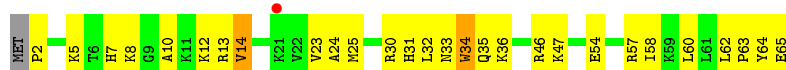


- Molecule 30: 50S ribosomal protein L35

Chain 18: 62% 37% .



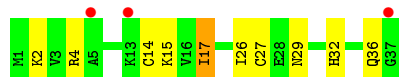
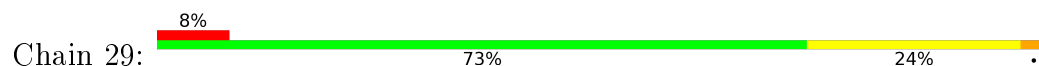
- Molecule 30: 50S ribosomal protein L35



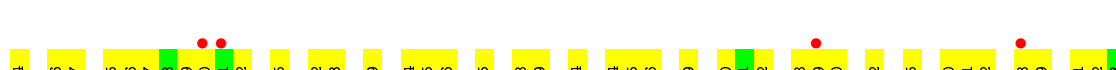
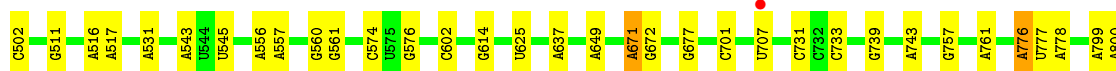
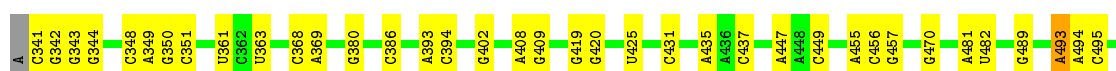
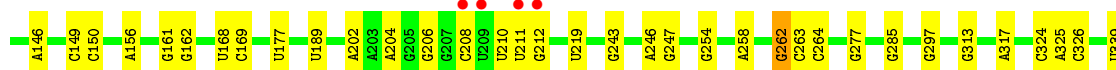
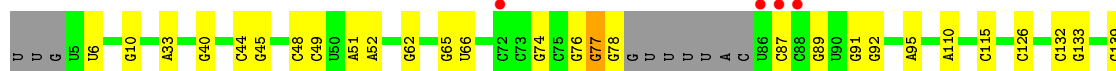
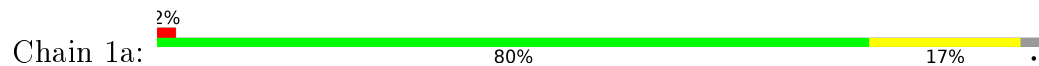
- Molecule 31: 50S ribosomal protein L36



- Molecule 31: 50S ribosomal protein L36

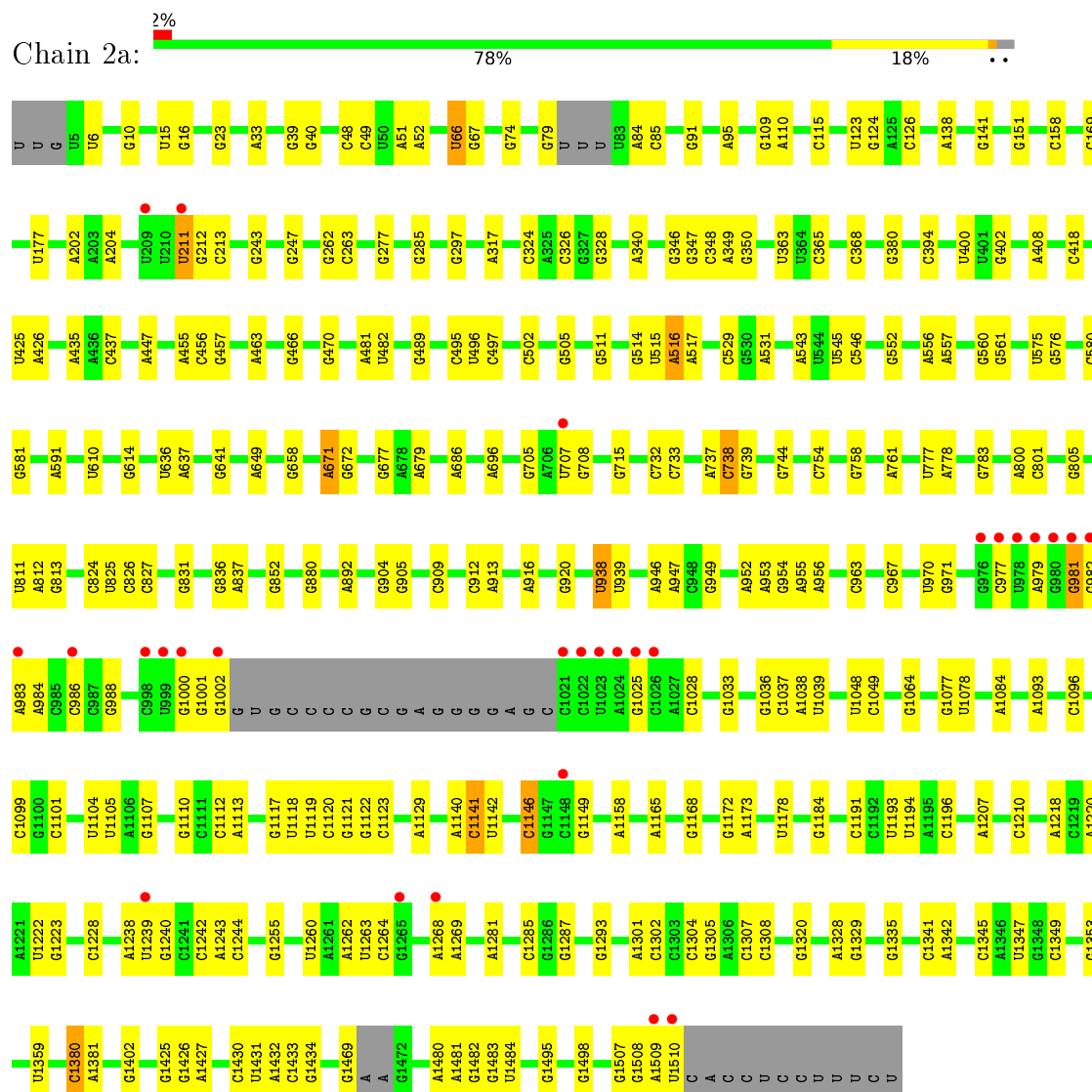


- Molecule 32: 16S Ribosomal RNA

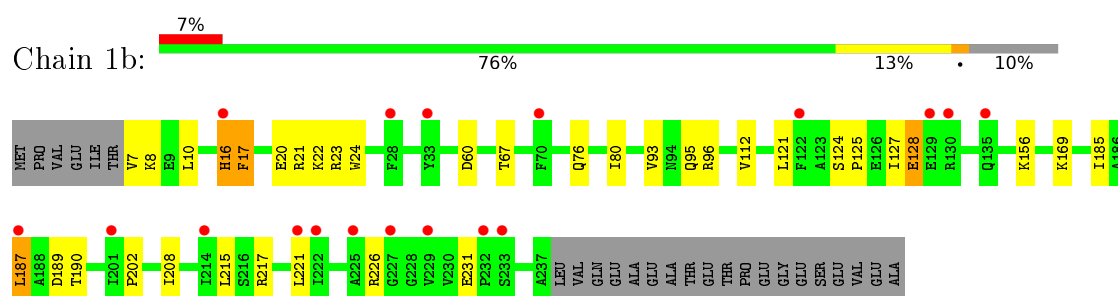




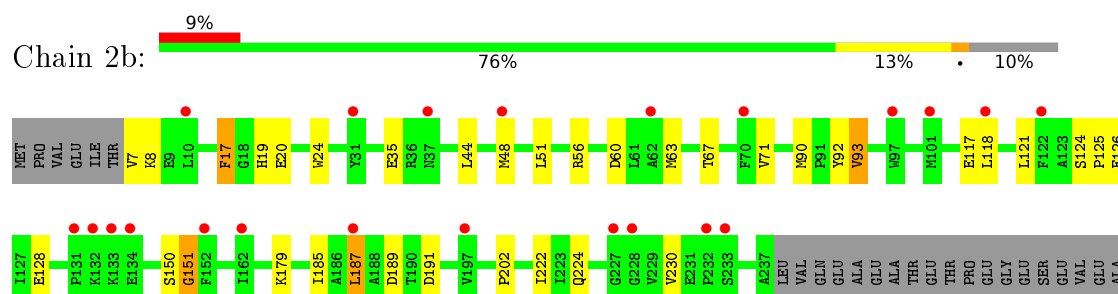
- Molecule 32: 16S Ribosomal RNA



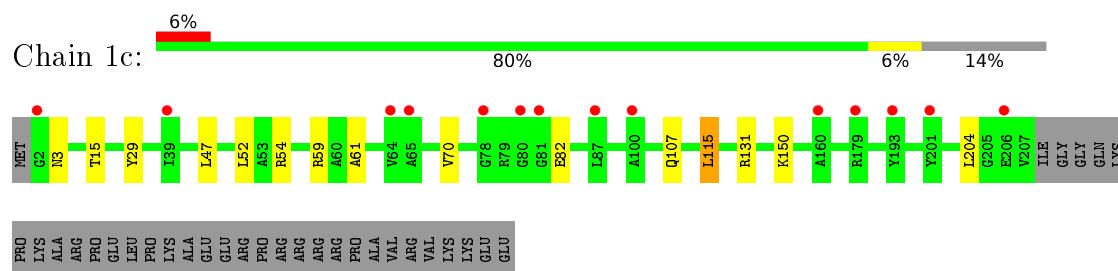
- Molecule 33: 30S ribosomal protein S2



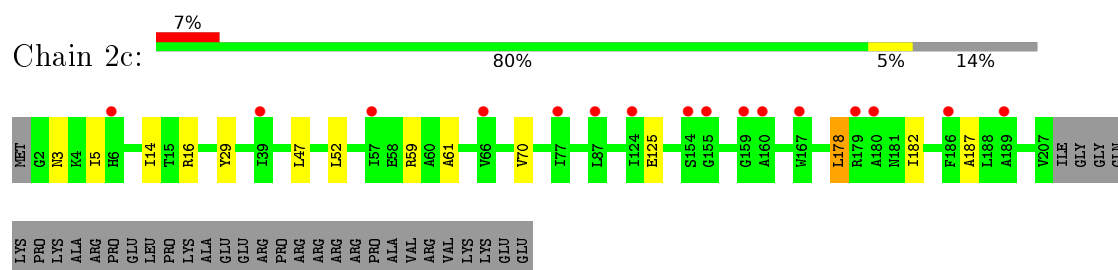
- Molecule 33: 30S ribosomal protein S2



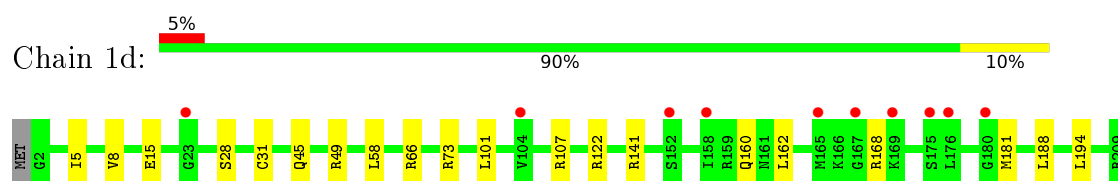
- Molecule 34: 30S ribosomal protein S3



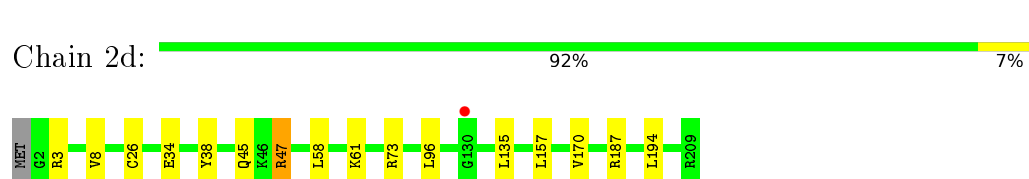
- Molecule 34: 30S ribosomal protein S3



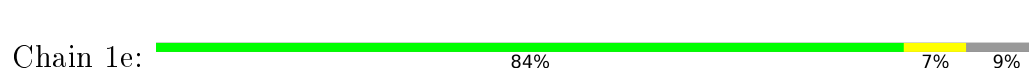
- Molecule 35: 30S ribosomal protein S4



- Molecule 35: 30S ribosomal protein S4

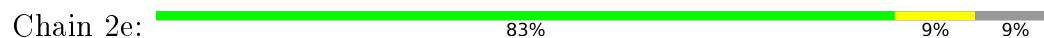


- Molecule 36: 30S ribosomal protein S5





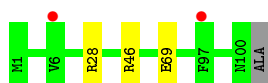
- Molecule 36: 30S ribosomal protein S5



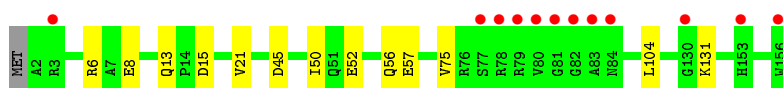
- Molecule 37: 30S ribosomal protein S6



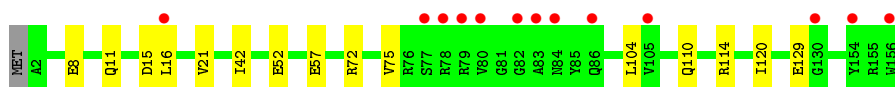
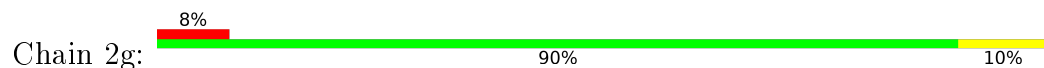
- Molecule 37: 30S ribosomal protein S6



- Molecule 38: 30S ribosomal protein S7



- Molecule 38: 30S ribosomal protein S7



- Molecule 39: 30S ribosomal protein S8

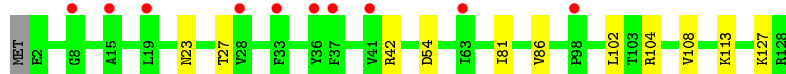
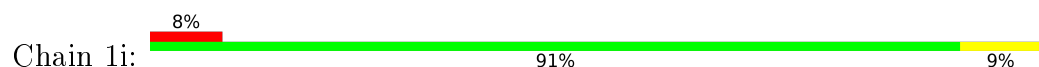


- Molecule 39: 30S ribosomal protein S8

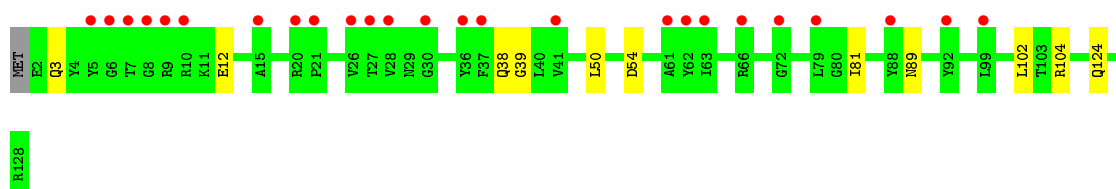




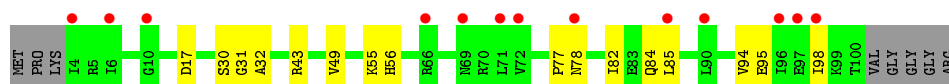
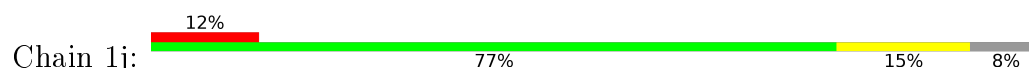
- Molecule 40: 30S ribosomal protein S9



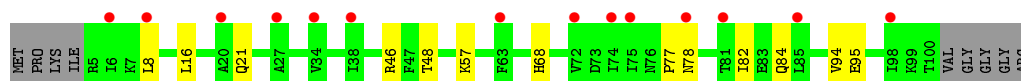
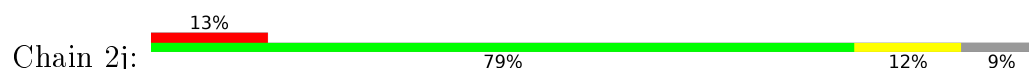
- Molecule 40: 30S ribosomal protein S9



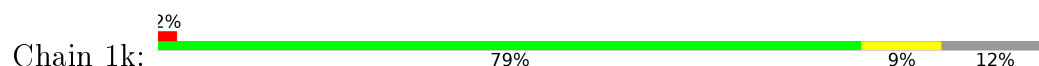
- Molecule 41: 30S ribosomal protein S10



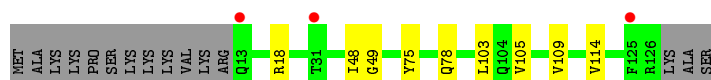
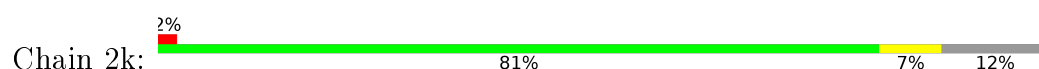
- Molecule 41: 30S ribosomal protein S10



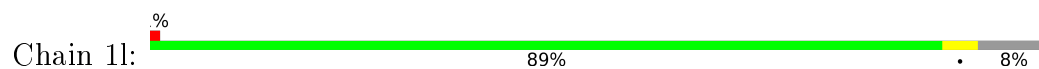
- Molecule 42: 30S ribosomal protein S11



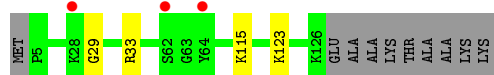
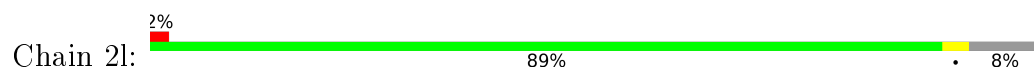
- Molecule 42: 30S ribosomal protein S11



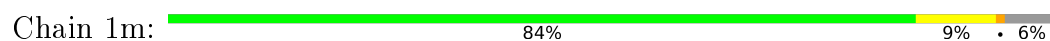
- Molecule 43: 30S ribosomal protein S12



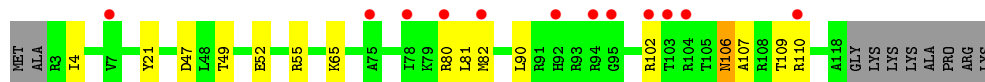
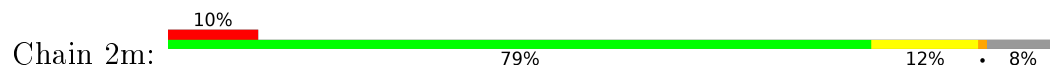
- Molecule 43: 30S ribosomal protein S12



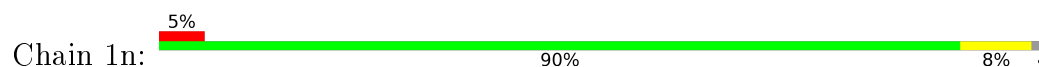
- Molecule 44: 30S ribosomal protein S13



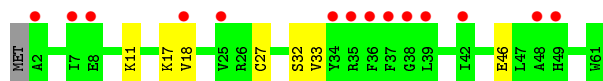
- Molecule 44: 30S ribosomal protein S13



- Molecule 45: 30S ribosomal protein S14 type Z



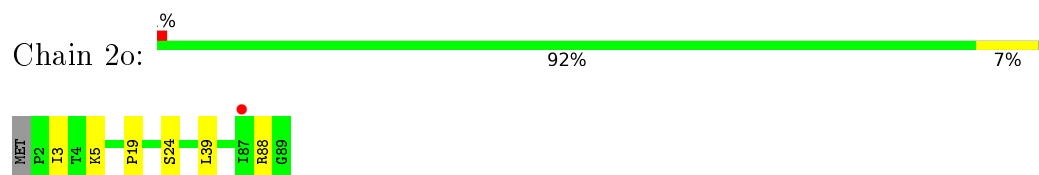
- Molecule 45: 30S ribosomal protein S14 type Z



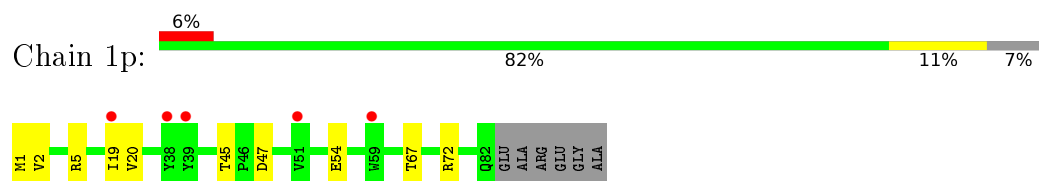
- Molecule 46: 30S ribosomal protein S15



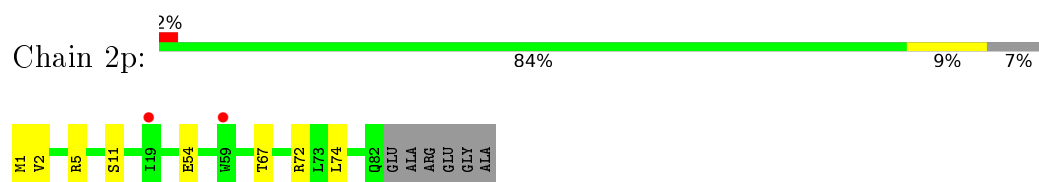
- Molecule 46: 30S ribosomal protein S15



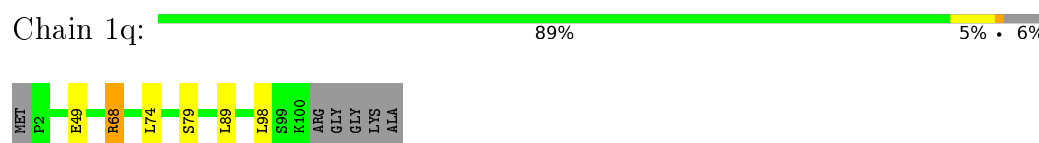
- Molecule 47: 30S ribosomal protein S16



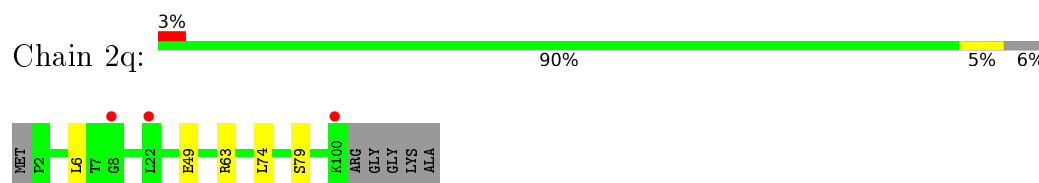
- Molecule 47: 30S ribosomal protein S16



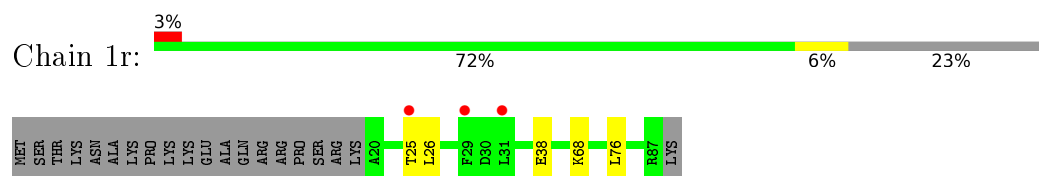
- Molecule 48: 30S ribosomal protein S17



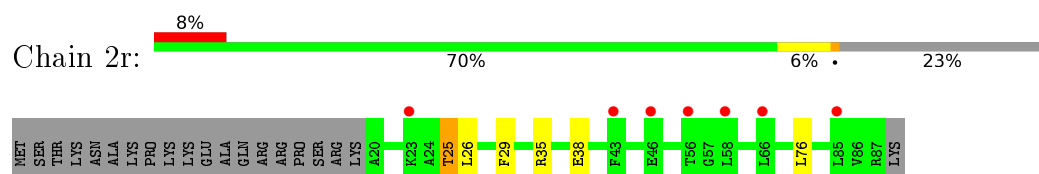
- Molecule 48: 30S ribosomal protein S17



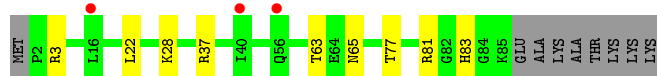
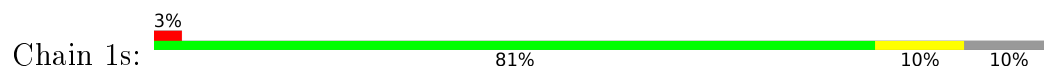
- Molecule 49: 30S ribosomal protein S18



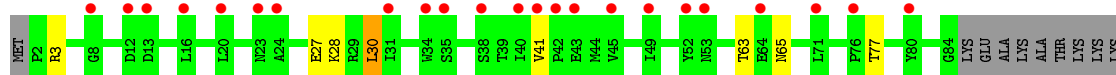
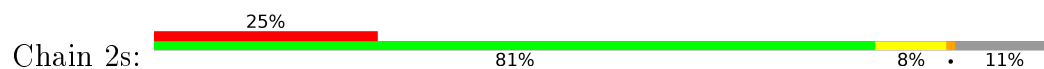
- Molecule 49: 30S ribosomal protein S18



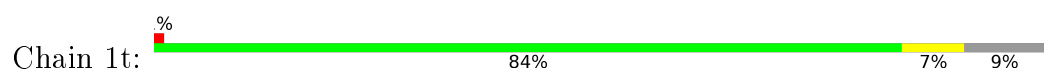
- Molecule 50: 30S ribosomal protein S19



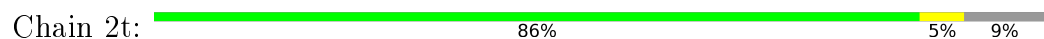
- Molecule 50: 30S ribosomal protein S19



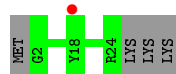
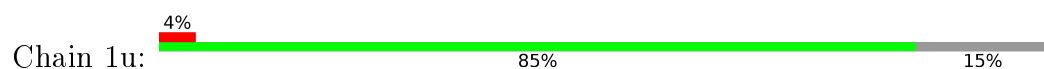
- Molecule 51: 30S ribosomal protein S20



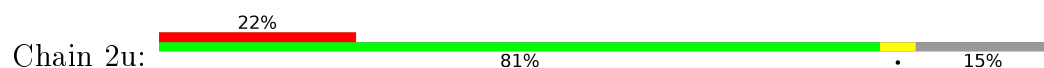
- Molecule 51: 30S ribosomal protein S20



- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx



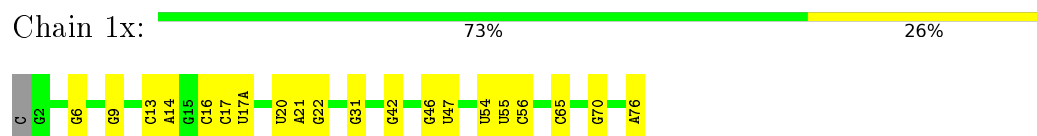
- Molecule 53: mRNA



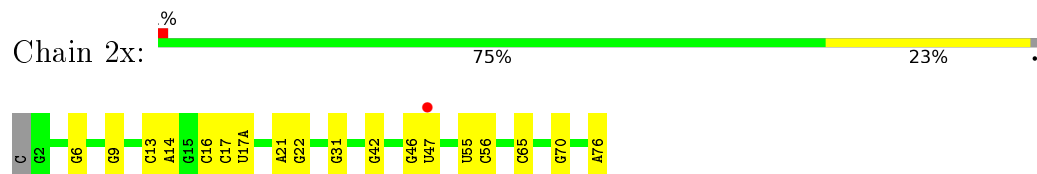
- Molecule 53: mRNA



- Molecule 54: P-site tRNA



- Molecule 54: P-site tRNA



- Molecule 55: Oncocin 10wt



- Molecule 55: Oncocin 10wt





## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	209.83Å 450.81Å 622.72Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.62 – 2.80 49.62 – 2.80	Depositor EDS
% Data completeness (in resolution range)	99.1 (49.62-2.80) 99.0 (49.62-2.80)	Depositor EDS
$R_{merge}$	0.22	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.20 (at 2.81Å)	Xtriage
Refinement program	PHENIX	Depositor
R, $R_{free}$	0.215 , 0.268 0.221 , 0.272	Depositor DCC
$R_{free}$ test set	71167 reflections (5.29%)	DCC
Wilson B-factor (Å <sup>2</sup> )	56.8	Xtriage
Anisotropy	0.225	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.28 , 60.6	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.42$ , $\langle L^2 \rangle = 0.24$	Xtriage
Outliers	0 of 1417435 reflections	Xtriage
$F_o, F_c$ correlation	0.92	EDS
Total number of atoms	288674	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	58.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.67% 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, 0.375 respectively for untwinned datasets, and 0.333, 0.2 for perfectly twinned datasets.

## 5 Model quality ⓘ

### 5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: 5MU, ZN, SF4, MG, 5MC, 4SU, 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	0.58	6/66249 (0.0%)	0.96	66/103407 (0.1%)
1	2A	0.46	2/67298 (0.0%)	0.94	47/105044 (0.0%)
2	1B	0.46	0/2877	0.86	0/4488
2	2B	0.52	0/2878	0.95	1/4490 (0.0%)
3	1D	0.41	0/2186	0.56	0/2944
3	2D	0.36	0/2192	0.56	0/2951
4	1E	0.41	0/1592	0.55	0/2149
4	2E	0.36	0/1592	0.56	0/2149
5	1F	0.39	0/1619	0.56	0/2193
5	2F	0.35	0/1615	0.57	0/2188
6	1G	0.31	0/1450	0.57	1/1959 (0.1%)
6	2G	0.35	0/1449	0.58	0/1958
7	1H	0.35	0/1356	0.56	1/1834 (0.1%)
7	2H	0.34	0/1356	0.55	0/1834
8	1I	0.32	0/1100	0.57	0/1501
8	2I	0.30	0/1076	0.54	0/1471
9	1N	0.38	0/1144	0.53	0/1543
9	2N	0.34	0/1144	0.55	0/1543
10	1O	0.40	0/943	0.57	1/1269 (0.1%)
10	2O	0.36	0/943	0.60	1/1269 (0.1%)
11	1P	0.38	0/1156	0.60	0/1537
11	2P	0.36	0/1152	0.59	1/1533 (0.1%)
12	1Q	0.40	0/1143	0.56	0/1527
12	2Q	0.36	0/1143	0.56	0/1527
13	1R	0.39	0/982	0.63	1/1312 (0.1%)
13	2R	0.33	0/982	0.56	0/1312
14	1S	0.36	0/887	0.56	0/1180
14	2S	0.35	0/880	0.56	0/1172
15	1T	0.36	0/1105	0.54	0/1477
15	2T	0.34	0/1097	0.53	0/1468
16	1U	0.45	0/977	0.54	0/1301
16	2U	0.38	0/977	0.54	1/1301 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
17	1V	0.39	0/782	0.57	0/1049
17	2V	0.37	0/782	0.52	0/1049
18	1W	0.42	0/897	0.56	0/1205
18	2W	0.36	0/897	0.56	0/1205
19	1X	0.40	0/764	0.53	0/1025
19	2X	0.37	0/764	0.59	1/1025 (0.1%)
20	1Y	0.40	0/819	0.57	0/1095
20	2Y	0.35	0/819	0.57	0/1095
21	1Z	0.32	0/1502	0.52	0/2041
21	2Z	0.35	0/1486	0.53	0/2022
22	10	0.42	0/606	0.59	0/808
22	20	0.33	0/606	0.54	0/808
23	11	0.37	0/762	0.54	0/1014
23	21	0.34	0/762	0.52	0/1014
24	12	0.35	0/590	0.53	0/781
24	22	0.33	0/590	0.50	0/781
25	13	0.38	0/474	0.56	0/635
25	23	0.30	0/469	0.52	0/630
26	14	0.37	0/571	0.65	0/768
26	24	0.35	0/545	0.68	0/737
27	15	0.40	0/469	0.65	0/635
27	25	0.32	0/469	0.55	0/635
28	16	0.38	0/460	0.55	0/613
28	26	0.35	0/456	0.50	0/608
29	17	0.43	0/426	0.55	0/561
29	27	0.37	0/426	0.54	0/561
30	18	0.41	0/525	0.59	0/691
30	28	0.35	0/525	0.54	0/691
31	19	0.40	0/310	0.51	0/407
31	29	0.38	0/310	0.61	0/407
32	1a	0.40	0/35537	0.89	16/55456 (0.0%)
32	2a	0.38	0/35680	0.89	31/55681 (0.1%)
33	1b	0.32	0/1820	0.56	1/2468 (0.0%)
33	2b	2.73	8/1728 (0.5%)	0.72	4/2352 (0.2%)
34	1c	0.29	0/1504	0.52	1/2047 (0.0%)
34	2c	0.32	0/1435	0.54	1/1960 (0.1%)
35	1d	0.31	0/1648	0.52	0/2222
35	2d	0.31	0/1659	0.54	0/2230
36	1e	0.30	0/1145	0.54	0/1543
36	2e	0.30	0/1111	0.56	0/1504
37	1f	0.32	0/819	0.53	0/1111
37	2f	0.30	0/830	0.51	0/1125
38	1g	0.30	0/1198	0.47	0/1613

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
38	2g	0.30	0/1185	0.47	0/1602
39	1h	0.29	0/1108	0.51	0/1494
39	2h	0.29	0/1094	0.52	0/1478
40	1i	0.31	0/995	0.54	0/1339
40	2i	0.33	0/949	0.56	0/1284
41	1j	0.31	0/695	0.56	0/950
41	2j	0.31	0/690	0.58	0/943
42	1k	0.29	0/840	0.52	0/1138
42	2k	0.30	0/844	0.52	0/1145
43	1l	0.31	0/936	0.52	0/1263
43	2l	0.32	0/934	0.59	1/1262 (0.1%)
44	1m	0.28	0/933	0.55	0/1254
44	2m	0.32	0/913	0.55	0/1230
45	1n	0.33	0/491	0.56	0/653
45	2n	0.31	0/467	0.47	0/624
46	1o	0.31	0/726	0.51	0/970
46	2o	0.30	0/739	0.51	0/985
47	1p	0.27	0/686	0.53	0/926
47	2p	0.31	0/693	0.54	0/935
48	1q	0.32	0/824	0.53	0/1105
48	2q	0.32	0/836	0.51	0/1117
49	1r	0.31	0/560	0.55	0/746
49	2r	0.32	0/560	0.54	0/746
50	1s	0.29	0/657	0.59	0/890
50	2s	0.33	0/661	0.61	0/893
51	1t	0.29	0/714	0.60	0/948
51	2t	0.29	0/733	0.49	0/969
52	1u	0.28	0/191	0.50	0/252
52	2u	0.33	0/203	0.56	0/266
53	1v	0.58	0/122	1.23	0/188
53	2v	0.54	0/122	1.09	0/188
54	1x	0.57	2/1725 (0.1%)	1.16	17/2689 (0.6%)
54	2x	0.56	0/1725	1.17	13/2689 (0.5%)
55	1z	0.46	0/114	0.77	0/158
55	2z	0.39	0/106	0.51	0/146
All	All	0.49	18/306288 (0.0%)	0.85	207/458204 (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
5	2F	0	1

The worst 5 of 18 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
33	2b	92	TYR	CD1-CE1	59.29	2.28	1.39
33	2b	92	TYR	CD2-CE2	53.39	2.19	1.39
33	2b	92	TYR	CE2-CZ	41.90	1.93	1.38
33	2b	92	TYR	CE1-CZ	41.71	1.92	1.38
33	2b	92	TYR	CG-CD1	33.77	1.83	1.39

The worst 5 of 207 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	2b	150	SER	C-N-CA	16.53	157.01	122.30
54	1x	46	G	C6-N1-C2	-10.98	118.51	125.10
1	1A	552	A	C2-N3-C4	-10.97	105.11	110.60
54	2x	14	A	C4-C5-C6	9.84	121.92	117.00
1	1A	847	G	O5'-P-OP2	-9.71	96.96	105.70

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
5	2F	20	LEU	Peptide

## 5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	59154	0	29827	618	0
1	2A	60091	0	30298	807	0
2	1B	2572	0	1306	20	0
2	2B	2573	0	1306	57	0
3	1D	2136	0	2218	53	0
3	2D	2142	0	2229	48	0
4	1E	1559	0	1618	29	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	2E	1559	0	1618	39	0
5	1F	1584	0	1625	30	0
5	2F	1580	0	1619	48	0
6	1G	1425	0	1443	37	0
6	2G	1424	0	1434	58	0
7	1H	1330	0	1407	31	0
7	2H	1330	0	1407	40	0
8	1I	1085	0	1114	26	0
8	2I	1061	0	1080	26	0
9	1N	1117	0	1184	15	0
9	2N	1117	0	1184	18	0
10	1O	933	0	996	13	0
10	2O	933	0	996	19	0
11	1P	1139	0	1223	36	0
11	2P	1135	0	1212	47	0
12	1Q	1122	0	1178	29	0
12	2Q	1122	0	1179	26	0
13	1R	968	0	1033	16	0
13	2R	968	0	1033	18	0
14	1S	877	0	938	32	0
14	2S	870	0	923	32	0
15	1T	1091	0	1151	19	0
15	2T	1083	0	1136	23	0
16	1U	959	0	1019	16	0
16	2U	959	0	1018	22	0
17	1V	771	0	830	10	0
17	2V	771	0	830	16	0
18	1W	886	0	940	14	0
18	2W	886	0	940	16	0
19	1X	750	0	814	21	0
19	2X	750	0	814	19	0
20	1Y	806	0	881	28	0
20	2Y	806	0	881	23	0
21	1Z	1470	0	1478	23	0
21	2Z	1454	0	1452	47	0
22	10	598	0	614	7	0
22	20	598	0	614	13	0
23	11	755	0	826	11	0
23	21	755	0	826	12	0
24	12	588	0	643	12	0
24	22	588	0	643	16	0
25	13	469	0	518	9	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
25	23	464	0	514	11	0
26	14	558	0	544	24	0
26	24	532	0	503	21	0
27	15	455	0	464	11	0
27	25	455	0	465	9	0
28	16	453	0	473	11	0
28	26	449	0	469	2	0
29	17	418	0	467	16	0
29	27	418	0	467	8	0
30	18	517	0	582	21	0
30	28	517	0	582	24	0
31	19	307	0	335	7	0
31	29	307	0	335	7	0
32	1a	31750	0	16027	0	0
32	2a	31877	0	16088	0	0
33	1b	1786	0	1744	0	0
33	2b	1697	0	1574	0	0
34	1c	1480	0	1400	0	0
34	2c	1412	0	1246	0	0
35	1d	1618	0	1579	0	0
35	2d	1630	0	1633	0	0
36	1e	1129	0	1184	0	0
36	2e	1095	0	1124	0	0
37	1f	806	0	793	0	0
37	2f	817	0	808	0	0
38	1g	1183	0	1165	0	0
38	2g	1167	0	1119	0	0
39	1h	1088	0	1126	0	0
39	2h	1074	0	1100	0	0
40	1i	976	0	973	0	0
40	2i	932	0	891	0	0
41	1j	682	0	598	0	0
41	2j	678	0	612	0	0
42	1k	826	0	829	0	0
42	2k	829	0	825	0	0
43	1l	920	0	958	0	0
43	2l	918	0	947	0	0
44	1m	923	0	962	0	0
44	2m	903	0	923	0	0
45	1n	482	0	507	0	0
45	2n	459	0	467	0	0
46	1o	715	0	729	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
46	2o	728	0	760	0	0
47	1p	671	0	679	0	0
47	2p	677	0	686	0	0
48	1q	811	0	858	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	642	0	629	0	0
50	2s	646	0	644	0	0
51	1t	712	0	759	0	0
51	2t	731	0	807	0	0
52	1u	187	0	186	0	0
52	2u	199	0	208	0	0
53	1v	109	0	55	0	0
53	2v	109	0	55	0	0
54	1x	1625	0	829	0	0
54	2x	1625	0	829	0	0
55	1z	108	0	116	0	0
55	2z	101	0	109	0	0
56	10	6	0	0	0	0
56	11	4	0	0	0	0
56	13	2	0	0	0	0
56	15	3	0	0	0	0
56	16	3	0	0	0	0
56	17	6	0	0	0	0
56	18	4	0	0	0	0
56	19	3	0	0	0	0
56	1A	1096	0	0	0	0
56	1B	27	0	0	0	0
56	1D	13	0	0	0	0
56	1E	8	0	0	0	0
56	1F	7	0	0	0	0
56	1G	3	0	0	0	0
56	1H	3	0	0	0	0
56	1N	8	0	0	0	0
56	1O	3	0	0	0	0
56	1P	6	0	0	0	0
56	1Q	7	0	0	0	0
56	1R	6	0	0	0	0
56	1T	6	0	0	0	0
56	1U	6	0	0	0	0
56	1V	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1W	5	0	0	0	0
56	1X	1	0	0	0	0
56	1Y	1	0	0	0	0
56	1Z	2	0	0	0	0
56	1a	307	0	0	0	0
56	1b	2	0	0	0	0
56	1c	1	0	0	0	0
56	1d	2	0	0	0	0
56	1e	3	0	0	0	0
56	1f	1	0	0	0	0
56	1h	3	0	0	0	0
56	1k	1	0	0	0	0
56	1l	1	0	0	0	0
56	1m	2	0	0	0	0
56	1n	1	0	0	0	0
56	1o	2	0	0	0	0
56	1q	4	0	0	0	0
56	1r	3	0	0	0	0
56	1t	1	0	0	0	0
56	1u	1	0	0	0	0
56	1x	10	0	0	0	0
56	20	1	0	0	0	0
56	25	1	0	0	0	0
56	28	1	0	0	0	0
56	2A	559	0	0	0	0
56	2B	10	0	0	0	0
56	2D	6	0	0	0	0
56	2E	4	0	0	0	0
56	2F	3	0	0	0	0
56	2G	1	0	0	0	0
56	2N	1	0	0	0	0
56	2O	2	0	0	0	0
56	2Q	5	0	0	0	0
56	2U	2	0	0	0	0
56	2W	1	0	0	0	0
56	2Y	2	0	0	0	0
56	2Z	1	0	0	0	0
56	2a	217	0	0	0	0
56	2d	1	0	0	0	0
56	2e	3	0	0	0	0
56	2f	1	0	0	0	0
56	2k	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2l	4	0	0	0	0
56	2n	1	0	0	0	0
56	2p	1	0	0	0	0
56	2q	2	0	0	0	0
56	2t	1	0	0	0	0
56	2x	5	0	0	0	0
57	14	1	0	0	0	0
57	15	1	0	0	0	0
57	16	1	0	0	0	0
57	19	1	0	0	0	0
57	1Y	1	0	0	0	0
57	1n	1	0	0	0	0
57	24	1	0	0	0	0
57	25	1	0	0	0	0
57	26	1	0	0	0	0
57	29	1	0	0	0	0
57	2Y	1	0	0	0	0
57	2n	1	0	0	0	0
58	1d	8	0	0	0	0
58	2d	8	0	0	0	0
59	10	7	0	0	0	0
59	11	9	0	0	0	0
59	12	1	0	0	0	0
59	13	5	0	0	0	0
59	14	1	0	0	0	0
59	15	9	0	0	1	0
59	16	6	0	0	0	0
59	17	3	0	0	0	0
59	18	15	0	0	0	0
59	19	4	0	0	1	0
59	1A	2345	0	0	120	0
59	1B	45	0	0	1	0
59	1D	20	0	0	2	0
59	1E	29	0	0	3	0
59	1F	18	0	0	2	0
59	1G	4	0	0	0	0
59	1H	4	0	0	0	0
59	1I	1	0	0	0	0
59	1N	12	0	0	1	0
59	1O	6	0	0	0	0
59	1P	16	0	0	1	0
59	1Q	12	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	1R	10	0	0	1	0
59	1S	1	0	0	0	0
59	1T	14	0	0	3	0
59	1U	11	0	0	0	0
59	1V	5	0	0	1	0
59	1W	9	0	0	0	0
59	1X	6	0	0	0	0
59	1Y	1	0	0	0	0
59	1Z	6	0	0	0	0
59	1a	395	0	0	0	0
59	1b	1	0	0	0	0
59	1d	5	0	0	0	0
59	1e	3	0	0	0	0
59	1f	1	0	0	0	0
59	1h	4	0	0	0	0
59	1i	1	0	0	0	0
59	1j	2	0	0	0	0
59	1k	2	0	0	0	0
59	1l	3	0	0	0	0
59	1o	3	0	0	0	0
59	1s	1	0	0	0	0
59	1v	2	0	0	0	0
59	1x	11	0	0	0	0
59	1z	1	0	0	0	0
59	20	3	0	0	0	0
59	21	1	0	0	0	0
59	23	2	0	0	0	0
59	28	4	0	0	0	0
59	2A	810	0	0	85	0
59	2B	10	0	0	1	0
59	2D	15	0	0	0	0
59	2E	9	0	0	2	0
59	2F	4	0	0	0	0
59	2O	2	0	0	0	0
59	2P	6	0	0	0	0
59	2Q	2	0	0	0	0
59	2R	2	0	0	0	0
59	2T	2	0	0	0	0
59	2U	4	0	0	0	0
59	2V	1	0	0	1	0
59	2W	1	0	0	0	0
59	2X	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	2Y	1	0	0	1	0
59	2Z	4	0	0	1	0
59	2a	235	0	0	0	0
59	2d	2	0	0	0	0
59	2e	3	0	0	0	0
59	2i	1	0	0	0	0
59	2m	1	0	0	0	0
59	2n	1	0	0	0	0
59	2p	1	0	0	0	0
59	2t	4	0	0	0	0
59	2x	5	0	0	0	0
59	2z	1	0	0	0	0
All	All	288674	0	189963	2449	0

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

The worst 5 of 2449 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)
22:10:11:ARG:O	22:10:14:ARG:NH2	2.02	0.93
1:1A:353:A:H2	1:1A:1254:A:HO2'	0.99	0.91
15:2T:55:ASN:H	15:2T:59:THR:HG22	1.35	0.90
15:1T:55:ASN:H	15:1T:59:THR:HG22	1.38	0.89
1:2A:1248:A:H2	1:2A:1286:A:H62	1.20	0.89

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%)	257 (94%)	16 (6%)	0	100	100
3	2D	273/276 (99%)	254 (93%)	17 (6%)	2 (1%)	26	62
4	1E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	34	69
4	2E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	34	69
5	1F	201/210 (96%)	189 (94%)	11 (6%)	1 (0%)	34	69
5	2F	201/210 (96%)	189 (94%)	10 (5%)	2 (1%)	19	52
6	1G	179/182 (98%)	158 (88%)	17 (10%)	4 (2%)	8	28
6	2G	179/182 (98%)	154 (86%)	20 (11%)	5 (3%)	6	21
7	1H	172/180 (96%)	162 (94%)	9 (5%)	1 (1%)	30	65
7	2H	172/180 (96%)	160 (93%)	10 (6%)	2 (1%)	16	47
8	1I	144/148 (97%)	121 (84%)	19 (13%)	4 (3%)	6	21
8	2I	144/148 (97%)	122 (85%)	20 (14%)	2 (1%)	14	42
9	1N	138/140 (99%)	136 (99%)	2 (1%)	0	100	100
9	2N	138/140 (99%)	135 (98%)	2 (1%)	1 (1%)	26	62
10	1O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
10	2O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
11	1P	147/150 (98%)	140 (95%)	6 (4%)	1 (1%)	26	62
11	2P	147/150 (98%)	139 (95%)	8 (5%)	0	100	100
12	1Q	139/141 (99%)	130 (94%)	8 (6%)	1 (1%)	26	62
12	2Q	139/141 (99%)	127 (91%)	12 (9%)	0	100	100
13	1R	116/118 (98%)	107 (92%)	9 (8%)	0	100	100
13	2R	116/118 (98%)	107 (92%)	9 (8%)	0	100	100
14	1S	108/112 (96%)	100 (93%)	7 (6%)	1 (1%)	21	55
14	2S	108/112 (96%)	98 (91%)	9 (8%)	1 (1%)	21	55
15	1T	129/146 (88%)	124 (96%)	4 (3%)	1 (1%)	24	58
15	2T	129/146 (88%)	126 (98%)	3 (2%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	113 (99%)	1 (1%)	0	100	100
17	1V	99/101 (98%)	96 (97%)	2 (2%)	1 (1%)	19	52
17	2V	99/101 (98%)	95 (96%)	3 (3%)	1 (1%)	19	52
18	1W	110/113 (97%)	107 (97%)	3 (3%)	0	100	100
18	2W	110/113 (97%)	107 (97%)	3 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
19	1X	93/96 (97%)	91 (98%)	1 (1%)	1 (1%)	17	50
19	2X	93/96 (97%)	90 (97%)	2 (2%)	1 (1%)	17	50
20	1Y	105/110 (96%)	94 (90%)	9 (9%)	2 (2%)	10	32
20	2Y	105/110 (96%)	97 (92%)	7 (7%)	1 (1%)	19	52
21	1Z	184/206 (89%)	167 (91%)	15 (8%)	2 (1%)	17	50
21	2Z	184/206 (89%)	163 (89%)	16 (9%)	5 (3%)	6	21
22	10	73/85 (86%)	72 (99%)	1 (1%)	0	100	100
22	20	73/85 (86%)	69 (94%)	4 (6%)	0	100	100
23	11	95/98 (97%)	94 (99%)	0	1 (1%)	17	50
23	21	95/98 (97%)	93 (98%)	1 (1%)	1 (1%)	17	50
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	65 (96%)	3 (4%)	0	100	100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
25	23	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
26	14	67/71 (94%)	49 (73%)	10 (15%)	8 (12%)	0	1
26	24	67/71 (94%)	50 (75%)	10 (15%)	7 (10%)	1	1
27	15	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
29	17	46/49 (94%)	46 (100%)	0	0	100	100
29	27	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
30	18	62/65 (95%)	59 (95%)	3 (5%)	0	100	100
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%)	182 (80%)	36 (16%)	11 (5%)	3	9
33	2b	229/256 (90%)	187 (82%)	33 (14%)	9 (4%)	4	12
34	1c	204/239 (85%)	173 (85%)	28 (14%)	3 (2%)	13	40
34	2c	204/239 (85%)	166 (81%)	36 (18%)	2 (1%)	19	52
35	1d	206/209 (99%)	185 (90%)	20 (10%)	1 (0%)	34	69

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
35	2d	206/209 (99%)	188 (91%)	16 (8%)	2 (1%)	19	52
36	1e	146/162 (90%)	128 (88%)	15 (10%)	3 (2%)	9	29
36	2e	146/162 (90%)	130 (89%)	14 (10%)	2 (1%)	14	42
37	1f	98/101 (97%)	91 (93%)	7 (7%)	0	100	100
37	2f	98/101 (97%)	91 (93%)	7 (7%)	0	100	100
38	1g	153/156 (98%)	130 (85%)	23 (15%)	0	100	100
38	2g	153/156 (98%)	130 (85%)	23 (15%)	0	100	100
39	1h	135/138 (98%)	130 (96%)	5 (4%)	0	100	100
39	2h	135/138 (98%)	130 (96%)	4 (3%)	1 (1%)	26	62
40	1i	125/128 (98%)	106 (85%)	18 (14%)	1 (1%)	24	58
40	2i	125/128 (98%)	104 (83%)	19 (15%)	2 (2%)	12	38
41	1j	95/105 (90%)	82 (86%)	6 (6%)	7 (7%)	1	3
41	2j	94/105 (90%)	82 (87%)	9 (10%)	3 (3%)	5	17
42	1k	112/129 (87%)	100 (89%)	10 (9%)	2 (2%)	11	34
42	2k	112/129 (87%)	102 (91%)	8 (7%)	2 (2%)	11	34
43	1l	120/132 (91%)	115 (96%)	4 (3%)	1 (1%)	24	58
43	2l	120/132 (91%)	113 (94%)	7 (6%)	0	100	100
44	1m	116/126 (92%)	105 (90%)	8 (7%)	3 (3%)	7	22
44	2m	114/126 (90%)	100 (88%)	10 (9%)	4 (4%)	4	15
45	1n	58/61 (95%)	52 (90%)	5 (9%)	1 (2%)	11	36
45	2n	58/61 (95%)	53 (91%)	5 (9%)	0	100	100
46	1o	86/89 (97%)	80 (93%)	5 (6%)	1 (1%)	16	47
46	2o	86/89 (97%)	80 (93%)	4 (5%)	2 (2%)	8	26
47	1p	80/88 (91%)	65 (81%)	15 (19%)	0	100	100
47	2p	80/88 (91%)	65 (81%)	15 (19%)	0	100	100
48	1q	97/105 (92%)	88 (91%)	8 (8%)	1 (1%)	19	52
48	2q	97/105 (92%)	87 (90%)	10 (10%)	0	100	100
49	1r	66/88 (75%)	59 (89%)	6 (9%)	1 (2%)	13	40
49	2r	66/88 (75%)	62 (94%)	3 (4%)	1 (2%)	13	40
50	1s	82/93 (88%)	68 (83%)	14 (17%)	0	100	100
50	2s	81/93 (87%)	69 (85%)	11 (14%)	1 (1%)	16	47

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
51	1t	94/106 (89%)	80 (85%)	12 (13%)	2 (2%)	9	29
51	2t	94/106 (89%)	79 (84%)	13 (14%)	2 (2%)	9	29
52	1u	21/27 (78%)	20 (95%)	1 (5%)	0	100	100
52	2u	21/27 (78%)	20 (95%)	1 (5%)	0	100	100
55	1z	11/19 (58%)	10 (91%)	0	1 (9%)	1	2
55	2z	10/19 (53%)	10 (100%)	0	0	100	100
All	All	11431/12166 (94%)	10441 (91%)	856 (8%)	134 (1%)	16	47

5 of 134 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
6	1G	126	ASP
8	1I	106	GLY
21	1Z	93	ASP
23	11	3	LYS
26	14	45	GLY

### 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%)	189 (88%)	26 (12%)	6	18
3	2D	216/218 (99%)	194 (90%)	22 (10%)	9	26
4	1E	164/166 (99%)	144 (88%)	20 (12%)	6	18
4	2E	164/166 (99%)	149 (91%)	15 (9%)	12	33
5	1F	160/166 (96%)	146 (91%)	14 (9%)	12	35
5	2F	159/166 (96%)	146 (92%)	13 (8%)	14	38
6	1G	143/156 (92%)	130 (91%)	13 (9%)	12	33
6	2G	142/156 (91%)	122 (86%)	20 (14%)	4	12
7	1H	144/148 (97%)	134 (93%)	10 (7%)	19	48
7	2H	144/148 (97%)	127 (88%)	17 (12%)	6	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
8	1I	110/124 (89%)	90 (82%)	20 (18%)	2	6
8	2I	104/124 (84%)	90 (86%)	14 (14%)	5	14
9	1N	118/119 (99%)	104 (88%)	14 (12%)	6	19
9	2N	118/119 (99%)	103 (87%)	15 (13%)	5	16
10	1O	100/100 (100%)	93 (93%)	7 (7%)	19	47
10	2O	100/100 (100%)	95 (95%)	5 (5%)	30	64
11	1P	116/116 (100%)	101 (87%)	15 (13%)	5	16
11	2P	115/116 (99%)	98 (85%)	17 (15%)	4	11
12	1Q	111/111 (100%)	104 (94%)	7 (6%)	22	53
12	2Q	111/111 (100%)	104 (94%)	7 (6%)	22	53
13	1R	101/101 (100%)	87 (86%)	14 (14%)	4	13
13	2R	101/101 (100%)	90 (89%)	11 (11%)	8	23
14	1S	87/88 (99%)	80 (92%)	7 (8%)	15	40
14	2S	85/88 (97%)	74 (87%)	11 (13%)	5	16
15	1T	115/127 (91%)	105 (91%)	10 (9%)	13	35
15	2T	113/127 (89%)	105 (93%)	8 (7%)	18	46
16	1U	93/94 (99%)	84 (90%)	9 (10%)	10	29
16	2U	93/94 (99%)	87 (94%)	6 (6%)	21	52
17	1V	80/82 (98%)	68 (85%)	12 (15%)	3	11
17	2V	80/82 (98%)	71 (89%)	9 (11%)	7	22
18	1W	90/92 (98%)	84 (93%)	6 (7%)	20	50
18	2W	90/92 (98%)	84 (93%)	6 (7%)	20	50
19	1X	77/78 (99%)	75 (97%)	2 (3%)	54	86
19	2X	77/78 (99%)	75 (97%)	2 (3%)	54	86
20	1Y	85/91 (93%)	80 (94%)	5 (6%)	24	57
20	2Y	85/91 (93%)	78 (92%)	7 (8%)	14	38
21	1Z	159/179 (89%)	150 (94%)	9 (6%)	25	58
21	2Z	156/179 (87%)	144 (92%)	12 (8%)	16	41
22	10	60/67 (90%)	55 (92%)	5 (8%)	14	38
22	20	60/67 (90%)	56 (93%)	4 (7%)	20	50
23	11	80/83 (96%)	73 (91%)	7 (9%)	12	35

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
23	21	80/83 (96%)	74 (92%)	6 (8%)	17	43
24	12	65/67 (97%)	62 (95%)	3 (5%)	33	67
24	22	65/67 (97%)	61 (94%)	4 (6%)	23	54
25	13	51/52 (98%)	47 (92%)	4 (8%)	16	41
25	23	50/52 (96%)	45 (90%)	5 (10%)	9	27
26	14	60/63 (95%)	53 (88%)	7 (12%)	7	20
26	24	53/63 (84%)	47 (89%)	6 (11%)	7	22
27	15	50/52 (96%)	46 (92%)	4 (8%)	15	40
27	25	50/52 (96%)	46 (92%)	4 (8%)	15	40
28	16	51/52 (98%)	46 (90%)	5 (10%)	10	28
28	26	50/52 (96%)	45 (90%)	5 (10%)	9	27
29	17	41/42 (98%)	37 (90%)	4 (10%)	10	28
29	27	41/42 (98%)	40 (98%)	1 (2%)	57	87
30	18	54/55 (98%)	49 (91%)	5 (9%)	11	32
30	28	54/55 (98%)	51 (94%)	3 (6%)	26	59
31	19	34/34 (100%)	33 (97%)	1 (3%)	50	83
31	29	34/34 (100%)	33 (97%)	1 (3%)	50	83
33	1b	177/220 (80%)	149 (84%)	28 (16%)	3	9
33	2b	158/220 (72%)	132 (84%)	26 (16%)	3	8
34	1c	127/188 (68%)	115 (91%)	12 (9%)	11	31
34	2c	108/188 (57%)	96 (89%)	12 (11%)	8	23
35	1d	161/181 (89%)	142 (88%)	19 (12%)	6	19
35	2d	164/181 (91%)	149 (91%)	15 (9%)	12	33
36	1e	113/123 (92%)	104 (92%)	9 (8%)	15	40
36	2e	106/123 (86%)	94 (89%)	12 (11%)	7	22
37	1f	83/90 (92%)	78 (94%)	5 (6%)	24	56
37	2f	86/90 (96%)	83 (96%)	3 (4%)	43	77
38	1g	111/127 (87%)	98 (88%)	13 (12%)	7	20
38	2g	107/127 (84%)	92 (86%)	15 (14%)	4	13
39	1h	114/119 (96%)	104 (91%)	10 (9%)	12	35
39	2h	111/119 (93%)	99 (89%)	12 (11%)	8	23

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
40	1i	89/99 (90%)	79 (89%)	10 (11%)	7	22
40	2i	80/99 (81%)	71 (89%)	9 (11%)	7	22
41	1j	60/92 (65%)	51 (85%)	9 (15%)	3	11
41	2j	62/92 (67%)	52 (84%)	10 (16%)	3	9
42	1k	82/99 (83%)	72 (88%)	10 (12%)	6	18
42	2k	82/99 (83%)	75 (92%)	7 (8%)	13	36
43	1l	95/109 (87%)	91 (96%)	4 (4%)	36	71
43	2l	94/109 (86%)	91 (97%)	3 (3%)	46	80
44	1m	90/101 (89%)	80 (89%)	10 (11%)	8	23
44	2m	87/101 (86%)	74 (85%)	13 (15%)	4	11
45	1n	47/50 (94%)	43 (92%)	4 (8%)	13	36
45	2n	43/50 (86%)	36 (84%)	7 (16%)	3	8
46	1o	75/80 (94%)	69 (92%)	6 (8%)	15	40
46	2o	78/80 (98%)	74 (95%)	4 (5%)	29	63
47	1p	67/74 (90%)	57 (85%)	10 (15%)	4	11
47	2p	68/74 (92%)	60 (88%)	8 (12%)	6	19
48	1q	91/97 (94%)	85 (93%)	6 (7%)	21	51
48	2q	94/97 (97%)	89 (95%)	5 (5%)	28	61
49	1r	59/77 (77%)	55 (93%)	4 (7%)	20	49
49	2r	59/77 (77%)	53 (90%)	6 (10%)	9	26
50	1s	65/80 (81%)	56 (86%)	9 (14%)	4	13
50	2s	67/80 (84%)	59 (88%)	8 (12%)	6	19
51	1t	66/82 (80%)	61 (92%)	5 (8%)	16	42
51	2t	71/82 (87%)	68 (96%)	3 (4%)	36	71
52	1u	16/22 (73%)	16 (100%)	0	100	100
52	2u	18/22 (82%)	17 (94%)	1 (6%)	26	59
55	1z	13/19 (68%)	13 (100%)	0	100	100
55	2z	12/19 (63%)	11 (92%)	1 (8%)	14	38
All	All	9160/10104 (91%)	8276 (90%)	884 (10%)	10	29

5 of 884 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
44	1m	70	LEU
5	2F	192	LEU
41	2j	95	GLU
46	1o	39	LEU
3	2D	13	ARG

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

Mol	Chain	Res	Type
50	1s	65	ASN
9	2N	8	GLN
43	2l	75	HIS
51	1t	9	ASN
5	2F	69	HIS

### 5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2737/2915 (93%)	383 (13%)	21 (0%)
1	2A	2781/2915 (95%)	467 (16%)	21 (0%)
2	1B	119/121 (98%)	10 (8%)	0
2	2B	119/121 (98%)	24 (20%)	2 (1%)
32	1a	1472/1521 (96%)	263 (17%)	0
32	2a	1479/1521 (97%)	283 (19%)	0
53	1v	4/24 (16%)	1 (25%)	0
53	2v	4/24 (16%)	1 (25%)	0
54	1x	75/77 (97%)	17 (22%)	0
54	2x	75/77 (97%)	15 (20%)	0
All	All	8865/9316 (95%)	1464 (16%)	44 (0%)

5 of 1464 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	11	U
1	1A	33	C
1	1A	44	C
1	1A	53	G
1	1A	62	A

5 of 44 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2700	U
1	2A	357	C
1	2A	2762	A
1	1A	2768	U
1	2A	184	A

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

8 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$
54	5MC	1x	32	54	14,22,23	1.28	1 (7%)	17,32,35	1.04	1 (5%)
54	5MU	1x	54	54	13,22,23	0.63	1 (7%)	16,32,35	2.87	2 (12%)
54	PSU	1x	55	54	15,21,22	1.39	1 (6%)	16,30,33	2.40	4 (25%)
54	4SU	1x	8	54	12,21,22	0.89	1 (8%)	15,30,33	1.45	1 (6%)
54	5MC	2x	32	54	14,22,23	1.27	1 (7%)	17,32,35	0.96	1 (5%)
54	5MU	2x	54	54	13,22,23	0.55	0	16,32,35	2.87	2 (12%)
54	PSU	2x	55	54	15,21,22	1.16	1 (6%)	16,30,33	2.22	4 (25%)
54	4SU	2x	8	54	12,21,22	0.90	1 (8%)	15,30,33	1.66	1 (6%)

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
54	5MC	1x	32	54	-	0/3/25/26	0/2/2/2
54	5MU	1x	54	54	-	0/3/25/26	0/2/2/2
54	PSU	1x	55	54	-	0/7/25/26	0/2/2/2
54	4SU	1x	8	54	-	0/3/25/26	0/2/2/2
54	5MC	2x	32	54	-	0/3/25/26	0/2/2/2
54	5MU	2x	54	54	-	0/3/25/26	0/2/2/2
54	PSU	2x	55	54	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	4SU	2x	8	54	-	0/3/25/26	0/2/2/2

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1x	55	PSU	C5-C1'	-4.19	1.48	1.52
54	2x	55	PSU	C5-C1'	-3.29	1.49	1.52
54	1x	8	4SU	C2-N3	-2.78	1.32	1.38
54	2x	8	4SU	C2-N3	-2.75	1.32	1.38
54	1x	54	5MU	C2-N3	-2.03	1.34	1.38

The worst 5 of 16 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2x	54	5MU	C5-C4-N3	-8.19	118.47	125.35
54	1x	54	5MU	C5-C4-N3	-7.84	118.77	125.35
54	2x	8	4SU	C5-C4-N3	-5.89	117.32	123.56
54	1x	8	4SU	C5-C4-N3	-5.16	118.09	123.56
54	2x	55	PSU	C5-C6-N1	-3.40	119.64	124.38

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

## 5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 5.6 Ligand geometry [i](#)

Of 2436 ligands modelled in this entry, 2434 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
58	SF4	1d	501	35	0,12,12	0.00	-	0,24,24	0.00	-
58	SF4	2d	501	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	SF4	1d	501	35	-	0/0/48/48	0/6/5/5
58	SF4	2d	501	35	-	0/0/48/48	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

## 5.7 Other polymers [i](#)

There are no such residues in this entry.

## 5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

## 6 Fit of model and data ⓘ

### 6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 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	2746/2915 (94%)	-0.07	16 (0%) 90 86	20, 42, 84, 108	0
1	2A	2790/2915 (95%)	-0.34	41 (1%) 76 68	24, 46, 91, 108	0
2	1B	120/121 (99%)	-0.22	0 100 100	35, 63, 80, 89	0
2	2B	120/121 (99%)	-0.06	1 (0%) 87 81	41, 68, 82, 91	0
3	1D	275/276 (99%)	-0.35	0 100 100	21, 40, 56, 78	0
3	2D	275/276 (99%)	-0.45	1 (0%) 93 90	22, 42, 59, 78	0
4	1E	204/206 (99%)	-0.21	0 100 100	21, 44, 65, 84	0
4	2E	204/206 (99%)	-0.25	0 100 100	23, 47, 67, 85	0
5	1F	203/210 (96%)	-0.24	0 100 100	22, 50, 74, 88	0
5	2F	203/210 (96%)	-0.31	1 (0%) 91 88	23, 54, 77, 90	0
6	1G	181/182 (99%)	-0.20	3 (1%) 73 63	50, 67, 79, 91	0
6	2G	181/182 (99%)	0.42	18 (9%) 9 4	54, 71, 81, 92	0
7	1H	174/180 (96%)	-0.13	1 (0%) 90 86	48, 63, 75, 85	0
7	2H	174/180 (96%)	0.74	22 (12%) 5 2	52, 68, 79, 86	0
8	1I	146/148 (98%)	0.06	1 (0%) 89 84	46, 74, 84, 90	0
8	2I	146/148 (98%)	0.47	6 (4%) 41 29	48, 74, 84, 90	0
9	1N	140/140 (100%)	-0.24	0 100 100	29, 47, 65, 76	0
9	2N	140/140 (100%)	-0.05	0 100 100	33, 50, 68, 78	0
10	1O	122/122 (100%)	-0.32	0 100 100	32, 44, 61, 74	0
10	2O	122/122 (100%)	-0.40	0 100 100	34, 47, 62, 74	0
11	1P	149/150 (99%)	-0.20	0 100 100	22, 53, 74, 81	0
11	2P	149/150 (99%)	0.23	6 (4%) 42 30	24, 56, 76, 83	0
12	1Q	141/141 (100%)	-0.09	1 (0%) 89 84	32, 48, 61, 79	0
12	2Q	141/141 (100%)	-0.37	1 (0%) 89 84	35, 51, 64, 78	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
13	1R	118/118 (100%)	-0.21	0 100 100	27, 39, 50, 64	0
13	2R	118/118 (100%)	-0.36	0 100 100	30, 42, 54, 66	0
14	1S	110/112 (98%)	-0.09	0 100 100	43, 61, 71, 77	0
14	2S	110/112 (98%)	0.59	9 (8%) 14 7	48, 63, 76, 79	0
15	1T	131/146 (89%)	-0.27	0 100 100	37, 49, 72, 84	0
15	2T	131/146 (89%)	-0.39	0 100 100	40, 50, 73, 83	0
16	1U	116/118 (98%)	-0.19	0 100 100	27, 39, 56, 74	0
16	2U	116/118 (98%)	-0.34	1 (0%) 85 79	29, 43, 61, 74	0
17	1V	101/101 (100%)	-0.24	0 100 100	28, 47, 65, 75	0
17	2V	101/101 (100%)	-0.05	0 100 100	32, 53, 69, 76	0
18	1W	112/113 (99%)	-0.35	1 (0%) 85 79	27, 36, 55, 89	0
18	2W	112/113 (99%)	-0.26	0 100 100	28, 39, 57, 90	0
19	1X	95/96 (98%)	-0.19	0 100 100	26, 46, 66, 81	0
19	2X	95/96 (98%)	-0.09	3 (3%) 51 39	29, 49, 68, 81	0
20	1Y	107/110 (97%)	-0.03	1 (0%) 85 79	42, 59, 76, 86	0
20	2Y	107/110 (97%)	0.61	6 (5%) 28 18	47, 62, 79, 88	0
21	1Z	186/206 (90%)	-0.38	0 100 100	48, 66, 79, 89	0
21	2Z	186/206 (90%)	0.43	11 (5%) 26 16	53, 69, 81, 91	0
22	10	75/85 (88%)	-0.49	0 100 100	18, 36, 48, 61	0
22	20	75/85 (88%)	0.27	4 (5%) 30 20	46, 62, 73, 80	0
23	11	97/98 (98%)	-0.19	1 (1%) 84 77	28, 48, 72, 77	0
23	21	97/98 (98%)	-0.16	1 (1%) 84 77	31, 51, 72, 75	0
24	12	70/72 (97%)	-0.16	0 100 100	43, 56, 70, 74	0
24	22	70/72 (97%)	0.05	1 (1%) 78 69	46, 60, 73, 74	0
25	13	59/60 (98%)	-0.13	0 100 100	32, 44, 64, 77	0
25	23	59/60 (98%)	0.54	1 (1%) 73 63	35, 48, 66, 77	0
26	14	69/71 (97%)	0.05	6 (8%) 13 6	47, 71, 93, 97	0
26	24	69/71 (97%)	0.71	11 (15%) 3 1	56, 89, 96, 98	0
27	15	59/60 (98%)	-0.60	0 100 100	16, 28, 46, 72	0
27	25	59/60 (98%)	-0.35	0 100 100	29, 49, 66, 75	0
28	16	53/54 (98%)	-0.46	0 100 100	24, 38, 54, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
28	26	53/54 (98%)	-0.29	0 100 100	41, 58, 74, 79	0
29	17	48/49 (97%)	-0.18	1 (2%) 67 56	24, 32, 64, 78	0
29	27	48/49 (97%)	-0.13	3 (6%) 23 14	27, 34, 66, 77	0
30	18	64/65 (98%)	-0.14	0 100 100	32, 39, 49, 60	0
30	28	64/65 (98%)	-0.07	1 (1%) 74 66	35, 43, 54, 62	0
31	19	37/37 (100%)	0.07	0 100 100	38, 49, 66, 70	0
31	29	37/37 (100%)	0.39	3 (8%) 15 7	44, 52, 67, 72	0
32	1a	1477/1521 (97%)	-0.11	32 (2%) 65 54	32, 70, 96, 113	0
32	2a	1483/1521 (97%)	-0.04	28 (1%) 70 59	44, 77, 98, 111	0
33	1b	231/256 (90%)	0.35	18 (7%) 16 8	66, 81, 93, 101	0
33	2b	231/256 (90%)	0.54	22 (9%) 10 5	68, 86, 96, 102	0
34	1c	206/239 (86%)	0.23	14 (6%) 20 12	65, 81, 88, 95	0
34	2c	206/239 (86%)	0.47	16 (7%) 16 8	69, 82, 89, 93	0
35	1d	208/209 (99%)	0.18	10 (4%) 34 23	51, 75, 88, 96	0
35	2d	208/209 (99%)	-0.02	1 (0%) 91 88	58, 73, 85, 90	0
36	1e	148/162 (91%)	-0.21	0 100 100	45, 67, 77, 84	0
36	2e	148/162 (91%)	-0.19	0 100 100	56, 74, 83, 89	0
37	1f	100/101 (99%)	-0.23	0 100 100	57, 72, 80, 88	0
37	2f	100/101 (99%)	-0.24	2 (2%) 68 58	58, 73, 83, 87	0
38	1g	155/156 (99%)	0.34	12 (7%) 16 8	67, 77, 91, 95	0
38	2g	155/156 (99%)	0.68	13 (8%) 14 6	67, 78, 90, 93	0
39	1h	137/138 (99%)	-0.06	0 100 100	53, 69, 77, 85	0
39	2h	137/138 (99%)	0.11	2 (1%) 76 68	65, 76, 83, 89	0
40	1i	127/128 (99%)	0.51	10 (7%) 15 8	64, 83, 91, 95	0
40	2i	127/128 (99%)	1.21	25 (19%) 1 1	65, 84, 92, 98	0
41	1j	97/105 (92%)	0.90	13 (13%) 4 2	67, 85, 93, 97	0
41	2j	96/105 (91%)	1.07	14 (14%) 3 2	69, 86, 94, 97	0
42	1k	114/129 (88%)	-0.07	2 (1%) 71 61	43, 67, 80, 88	0
42	2k	114/129 (88%)	0.25	3 (2%) 59 47	56, 76, 86, 91	0
43	1l	122/132 (92%)	-0.17	1 (0%) 87 81	43, 61, 72, 79	0
43	2l	122/132 (92%)	-0.05	3 (2%) 61 48	52, 67, 75, 81	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
44	1m	118/126 (93%)	0.11	0 100 100	59, 77, 85, 94	0
44	2m	116/126 (92%)	0.34	12 (10%) 9 4	66, 80, 86, 93	0
45	1n	60/61 (98%)	0.30	3 (5%) 32 21	62, 73, 83, 84	0
45	2n	60/61 (98%)	1.29	14 (23%) 1 1	76, 84, 90, 92	0
46	1o	88/89 (98%)	0.03	1 (1%) 82 74	47, 64, 80, 90	0
46	2o	88/89 (98%)	0.11	1 (1%) 82 74	58, 72, 83, 86	0
47	1p	82/88 (93%)	0.57	5 (6%) 25 15	61, 76, 87, 94	0
47	2p	82/88 (93%)	0.28	2 (2%) 62 50	57, 70, 82, 90	0
48	1q	99/105 (94%)	-0.02	0 100 100	47, 67, 78, 82	0
48	2q	99/105 (94%)	0.16	3 (3%) 54 41	56, 72, 80, 87	0
49	1r	68/88 (77%)	0.40	3 (4%) 38 26	54, 68, 81, 87	0
49	2r	68/88 (77%)	0.60	7 (10%) 9 4	61, 72, 82, 92	0
50	1s	84/93 (90%)	0.58	3 (3%) 46 34	66, 78, 86, 97	0
50	2s	83/93 (89%)	1.48	23 (27%) 1 0	73, 89, 96, 103	0
51	1t	96/106 (90%)	0.25	1 (1%) 84 77	58, 73, 81, 88	0
51	2t	96/106 (90%)	0.20	0 100 100	57, 71, 81, 86	0
52	1u	23/27 (85%)	0.71	1 (4%) 39 27	68, 75, 80, 84	0
52	2u	23/27 (85%)	1.40	6 (26%) 1 0	69, 76, 83, 85	0
53	1v	5/24 (20%)	0.22	0 100 100	63, 66, 85, 92	0
53	2v	5/24 (20%)	0.95	1 (20%) 1 1	66, 69, 85, 93	0
54	1x	72/77 (93%)	-0.15	0 100 100	32, 66, 81, 96	0
54	2x	72/77 (93%)	0.03	1 (1%) 78 69	34, 69, 83, 97	0
55	1z	13/19 (68%)	0.14	0 100 100	26, 36, 52, 56	0
55	2z	12/19 (63%)	-0.05	0 100 100	28, 39, 53, 55	0
All	All	20521/21482 (95%)	-0.03	512 (2%) 61 48	16, 61, 89, 113	0

The worst 5 of 512 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
32	1a	980	G	8.6
32	1a	981	G	7.6
1	2A	2812	G	6.4
38	1g	81	GLY	6.3
32	1a	979	A	6.2

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. 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
54	4SU	1x	8	20/21	0.95	0.13	-	58,63,74,74	0
54	5MU	1x	54	21/22	0.95	0.14	-	55,62,73,81	0
54	PSU	1x	55	20/21	0.93	0.15	-	51,64,77,80	0
54	PSU	2x	55	20/21	0.87	0.14	-	54,68,77,91	0
54	5MU	2x	54	21/22	0.92	0.17	-	68,73,80,91	0
54	4SU	2x	8	20/21	0.94	0.12	-	73,78,85,87	0
54	5MC	2x	32	21/22	0.94	0.21	-	61,75,84,88	0
54	5MC	1x	32	21/22	0.97	0.17	-	40,61,68,75	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(Å <sup>2</sup> )	Q<0.9
56	MG	1A	3918	1/1	0.73	0.82	105.36	47,47,47,47	0
56	MG	1A	3510	1/1	0.80	0.69	50.41	62,62,62,62	0
56	MG	1A	3079	1/1	0.93	0.53	44.39	46,46,46,46	0
56	MG	1A	3432	1/1	0.95	0.42	42.86	52,52,52,52	0
56	MG	1A	3305	1/1	0.90	0.41	40.44	52,52,52,52	0
56	MG	1A	3485	1/1	0.80	0.74	39.05	58,58,58,58	0
56	MG	1A	3375	1/1	0.89	0.47	37.53	62,62,62,62	0
56	MG	1A	4093	1/1	0.88	0.69	33.16	39,39,39,39	0
56	MG	2A	3100	1/1	0.94	0.39	32.64	38,38,38,38	0
56	MG	1A	4055	1/1	0.90	0.74	30.75	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	2A	3140	1/1	0.99	0.38	30.68	35,35,35,35	0
56	MG	1A	3186	1/1	0.92	0.47	29.92	36,36,36,36	0
56	MG	1A	3730	1/1	0.93	0.42	27.78	59,59,59,59	0
56	MG	1A	3140	1/1	0.96	0.58	25.11	38,38,38,38	0
56	MG	1A	3509	1/1	0.94	0.41	24.24	43,43,43,43	0
56	MG	2A	3186	1/1	0.89	0.28	23.64	35,35,35,35	0
56	MG	1A	3360	1/1	0.94	0.41	21.88	48,48,48,48	0
56	MG	2A	3493	1/1	0.92	0.29	21.86	57,57,57,57	0
56	MG	2a	1799	1/1	0.93	0.48	21.58	56,56,56,56	0
56	MG	1N	202	1/1	0.93	0.46	21.54	49,49,49,49	0
56	MG	1A	3498	1/1	0.89	0.39	21.53	44,44,44,44	0
56	MG	1A	3847	1/1	0.90	0.59	20.50	40,40,40,40	0
56	MG	2A	3196	1/1	0.97	0.38	20.49	51,51,51,51	0
56	MG	1U	204	1/1	0.90	0.49	20.28	33,33,33,33	0
56	MG	2A	3105	1/1	0.97	0.35	20.27	29,29,29,29	0
56	MG	1A	3007	1/1	0.94	0.44	20.23	43,43,43,43	0
56	MG	1A	3148	1/1	0.80	0.41	20.21	43,43,43,43	0
56	MG	1A	4045	1/1	0.94	0.40	19.88	34,34,34,34	0
56	MG	2A	3555	1/1	0.81	0.37	19.83	50,50,50,50	0
56	MG	1A	3035	1/1	0.93	0.44	19.36	59,59,59,59	0
56	MG	1A	3262	1/1	0.96	0.69	19.25	43,43,43,43	0
56	MG	1A	4073	1/1	0.90	0.44	18.83	47,47,47,47	0
56	MG	2A	3145	1/1	0.95	0.32	18.71	33,33,33,33	0
56	MG	1a	1723	1/1	0.97	0.32	18.51	48,48,48,48	0
56	MG	2A	3356	1/1	0.74	0.27	18.24	41,41,41,41	0
56	MG	1A	3512	1/1	0.96	0.34	18.20	34,34,34,34	0
56	MG	2a	1701	1/1	0.94	0.33	17.68	46,46,46,46	0
56	MG	1a	1732	1/1	0.95	0.44	17.54	42,42,42,42	0
56	MG	1A	3839	1/1	0.94	0.31	17.33	28,28,28,28	0
56	MG	1A	3241	1/1	0.96	0.32	17.23	30,30,30,30	0
56	MG	2A	3315	1/1	0.97	0.25	17.12	50,50,50,50	0
56	MG	2a	1817	1/1	0.86	0.78	16.59	84,84,84,84	0
56	MG	1A	3610	1/1	0.94	0.26	16.44	27,27,27,27	0
56	MG	1A	4074	1/1	0.94	0.47	16.41	37,37,37,37	0
56	MG	1A	4088	1/1	0.94	0.47	16.28	35,35,35,35	0
56	MG	2A	3277	1/1	0.93	0.31	16.08	42,42,42,42	0
56	MG	2A	3532	1/1	0.93	0.39	15.98	43,43,43,43	0
56	MG	1A	3473	1/1	0.92	0.52	15.96	47,47,47,47	0
56	MG	2A	3419	1/1	0.94	0.21	15.96	45,45,45,45	0
56	MG	1A	4092	1/1	0.97	0.48	15.92	33,33,33,33	0
56	MG	2a	1704	1/1	0.80	0.39	15.72	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3322	1/1	0.97	0.30	15.48	41,41,41,41	0
56	MG	2A	3176	1/1	0.93	0.30	15.29	37,37,37,37	0
56	MG	1a	1753	1/1	0.95	0.55	15.20	53,53,53,53	0
56	MG	2a	1806	1/1	0.90	0.33	15.16	57,57,57,57	0
56	MG	1A	3948	1/1	0.95	0.35	15.14	56,56,56,56	0
56	MG	1A	3996	1/1	0.97	0.47	14.96	32,32,32,32	0
56	MG	1A	3136	1/1	0.86	0.45	14.56	39,39,39,39	0
56	MG	1Q	3004	1/1	0.85	0.65	14.54	51,51,51,51	0
56	MG	2A	3064	1/1	0.94	0.24	14.52	33,33,33,33	0
56	MG	1A	3218	1/1	0.98	0.42	14.51	28,28,28,28	0
56	MG	2A	3221	1/1	0.93	0.29	14.47	30,30,30,30	0
56	MG	1A	3001	1/1	0.98	0.27	14.34	30,30,30,30	0
56	MG	1q	3301	1/1	0.92	0.29	13.88	49,49,49,49	0
56	MG	2A	3229	1/1	0.97	0.32	13.81	64,64,64,64	0
56	MG	2A	3533	1/1	0.93	0.35	13.74	28,28,28,28	0
56	MG	2A	3388	1/1	0.82	0.36	13.48	57,57,57,57	0
56	MG	2A	3421	1/1	0.81	0.27	13.44	61,61,61,61	0
56	MG	1A	3185	1/1	0.95	0.41	13.37	29,29,29,29	0
56	MG	2A	3173	1/1	0.94	0.37	13.28	54,54,54,54	0
56	MG	1A	3611	1/1	0.87	0.28	12.53	31,31,31,31	0
56	MG	1A	3731	1/1	0.95	0.26	12.40	58,58,58,58	0
56	MG	2A	3378	1/1	0.94	0.23	12.37	34,34,34,34	0
56	MG	1A	3578	1/1	0.92	0.36	12.35	47,47,47,47	0
56	MG	1A	4057	1/1	0.97	0.32	12.25	40,40,40,40	0
56	MG	2A	3156	1/1	0.97	0.25	12.14	28,28,28,28	0
56	MG	2a	1812	1/1	0.94	0.27	12.07	42,42,42,42	0
56	MG	2A	3422	1/1	0.94	0.35	12.03	53,53,53,53	0
56	MG	1A	3151	1/1	0.96	0.28	12.00	26,26,26,26	0
56	MG	1A	3128	1/1	0.97	0.26	11.94	27,27,27,27	0
56	MG	2a	1786	1/1	0.88	0.39	11.85	71,71,71,71	0
56	MG	1A	4090	1/1	0.95	0.41	11.78	38,38,38,38	0
56	MG	2A	3190	1/1	0.96	0.28	11.72	44,44,44,44	0
56	MG	1A	3200	1/1	0.96	0.24	11.38	28,28,28,28	0
56	MG	1H	203	1/1	0.52	0.68	11.28	95,95,95,95	0
56	MG	2A	3311	1/1	0.93	0.25	11.25	32,32,32,32	0
56	MG	2A	3138	1/1	0.93	0.22	11.17	36,36,36,36	0
56	MG	2A	3491	1/1	0.91	0.29	11.17	53,53,53,53	0
56	MG	2A	3187	1/1	0.97	0.21	11.13	40,40,40,40	0
56	MG	2A	3090	1/1	0.97	0.28	11.13	33,33,33,33	0
56	MG	2A	3189	1/1	0.92	0.25	10.73	45,45,45,45	0
56	MG	1A	3078	1/1	0.91	0.31	10.72	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	1X	3001	1/1	0.92	0.27	10.72	43,43,43,43	0
56	MG	1A	3597	1/1	0.96	0.23	10.72	36,36,36,36	0
56	MG	1A	3582	1/1	0.94	0.28	10.64	45,45,45,45	0
56	MG	1D	311	1/1	0.75	0.45	10.64	58,58,58,58	0
56	MG	1A	3155	1/1	0.96	0.28	10.56	27,27,27,27	0
56	MG	17	101	1/1	0.94	0.45	10.35	35,35,35,35	0
56	MG	10	101	1/1	0.81	0.31	10.24	64,64,64,64	0
56	MG	2A	3290	1/1	0.97	0.21	10.23	40,40,40,40	0
56	MG	1A	3282	1/1	0.91	0.26	10.21	36,36,36,36	0
56	MG	1U	206	1/1	0.88	0.46	10.12	46,46,46,46	0
56	MG	2A	3286	1/1	0.91	0.23	10.08	32,32,32,32	0
56	MG	1A	3253	1/1	0.90	0.28	10.06	54,54,54,54	0
56	MG	1A	3222	1/1	0.96	0.20	9.84	21,21,21,21	0
56	MG	2A	3391	1/1	0.94	0.27	9.81	47,47,47,47	0
56	MG	1A	3059	1/1	0.97	0.24	9.77	43,43,43,43	0
56	MG	1P	206	1/1	0.95	0.34	9.55	44,44,44,44	0
56	MG	2A	3260	1/1	0.94	0.23	9.49	63,63,63,63	0
56	MG	1a	1671	1/1	0.95	0.24	9.41	54,54,54,54	0
56	MG	2a	1631	1/1	0.96	0.51	9.37	51,51,51,51	0
56	MG	1A	3202	1/1	0.99	0.33	9.37	33,33,33,33	0
56	MG	2A	3249	1/1	0.93	0.23	9.27	53,53,53,53	0
56	MG	1U	205	1/1	0.91	0.39	9.25	30,30,30,30	0
56	MG	2A	3553	1/1	0.97	0.41	9.22	42,42,42,42	0
56	MG	2A	3257	1/1	0.92	0.21	9.19	35,35,35,35	0
56	MG	1F	304	1/1	0.96	0.35	9.17	19,19,19,19	0
56	MG	1A	3443	1/1	0.96	0.27	9.17	50,50,50,50	0
56	MG	2A	3395	1/1	0.97	0.23	9.15	51,51,51,51	0
56	MG	1A	3205	1/1	0.97	0.21	9.07	40,40,40,40	0
56	MG	1A	4048	1/1	0.94	0.29	9.07	41,41,41,41	0
56	MG	2A	3320	1/1	0.98	0.29	9.03	46,46,46,46	0
56	MG	2e	202	1/1	0.78	0.50	8.99	74,74,74,74	0
56	MG	2A	3179	1/1	0.92	0.20	8.96	47,47,47,47	0
56	MG	1A	3054	1/1	0.98	0.31	8.84	50,50,50,50	0
56	MG	11	101	1/1	0.94	0.41	8.72	75,75,75,75	0
56	MG	1R	205	1/1	0.79	0.53	8.71	55,55,55,55	0
56	MG	2A	3146	1/1	0.96	0.21	8.71	32,32,32,32	0
56	MG	1A	3511	1/1	0.96	0.25	8.62	47,47,47,47	0
56	MG	1A	3303	1/1	0.85	0.27	8.58	43,43,43,43	0
56	MG	1A	3199	1/1	0.95	0.25	8.51	36,36,36,36	0
56	MG	1V	201	1/1	0.96	0.32	8.45	39,39,39,39	0
56	MG	2A	3281	1/1	0.84	0.22	8.43	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	3945	1/1	0.97	0.27	8.40	36,36,36,36	0
56	MG	2A	3289	1/1	0.98	0.23	8.34	49,49,49,49	0
56	MG	2a	1682	1/1	0.91	0.29	8.31	48,48,48,48	0
56	MG	2A	3020	1/1	0.98	0.37	8.24	44,44,44,44	0
56	MG	2A	3408	1/1	0.95	0.23	8.21	46,46,46,46	0
56	MG	1a	1770	1/1	0.94	0.21	8.15	60,60,60,60	0
56	MG	1A	4080	1/1	0.97	0.34	8.12	45,45,45,45	0
56	MG	1A	3475	1/1	0.85	0.34	7.98	50,50,50,50	0
56	MG	2A	3486	1/1	0.93	0.21	7.96	70,70,70,70	0
56	MG	2a	1788	1/1	0.95	0.29	7.88	68,68,68,68	0
56	MG	1A	3219	1/1	0.85	0.34	7.87	62,62,62,62	0
56	MG	1A	3442	1/1	0.93	0.51	7.86	64,64,64,64	0
56	MG	1a	1829	1/1	0.96	0.28	7.73	37,37,37,37	0
56	MG	1a	1729	1/1	0.95	0.22	7.47	38,38,38,38	0
56	MG	1A	3590	1/1	0.97	0.21	7.43	40,40,40,40	0
56	MG	1A	3667	1/1	0.96	0.21	7.37	19,19,19,19	0
56	MG	2A	3217	1/1	0.80	0.31	7.24	46,46,46,46	0
56	MG	1a	1663	1/1	0.94	0.24	7.24	64,64,64,64	0
56	MG	1a	1827	1/1	0.96	0.24	7.18	55,55,55,55	0
56	MG	2a	1604	1/1	0.97	0.40	7.18	47,47,47,47	0
56	MG	1A	4041	1/1	0.99	0.22	7.15	12,12,12,12	0
56	MG	1A	3138	1/1	0.96	0.24	7.13	32,32,32,32	0
56	MG	1A	4046	1/1	0.90	0.40	7.05	50,50,50,50	0
56	MG	1A	3941	1/1	0.90	0.24	6.82	50,50,50,50	0
56	MG	1A	3299	1/1	0.98	0.28	6.76	16,16,16,16	0
56	MG	2A	3347	1/1	0.97	0.25	6.75	60,60,60,60	0
56	MG	2U	202	1/1	0.98	0.41	6.63	48,48,48,48	0
56	MG	2D	303	1/1	0.87	0.25	6.58	46,46,46,46	0
56	MG	1D	308	1/1	0.89	0.31	6.45	16,16,16,16	0
56	MG	1A	3949	1/1	0.90	0.34	6.36	37,37,37,37	0
56	MG	1A	3789	1/1	0.95	0.22	6.33	21,21,21,21	0
56	MG	2A	3556	1/1	0.96	0.39	6.30	40,40,40,40	0
56	MG	1A	3139	1/1	0.97	0.23	6.23	21,21,21,21	0
56	MG	2a	1816	1/1	0.82	0.27	6.17	52,52,52,52	0
56	MG	1A	3302	1/1	0.96	0.28	6.16	28,28,28,28	0
56	MG	2A	3052	1/1	0.96	0.22	6.15	37,37,37,37	0
56	MG	2A	3180	1/1	0.99	0.31	6.13	34,34,34,34	0
56	MG	1U	202	1/1	0.92	0.40	6.13	56,56,56,56	0
56	MG	1A	3003	1/1	0.84	0.23	6.12	41,41,41,41	0
56	MG	2E	302	1/1	0.93	0.28	6.12	45,45,45,45	0
56	MG	1q	3302	1/1	0.95	0.26	6.10	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	2A	3292	1/1	0.99	0.21	6.05	43,43,43,43	0
56	MG	2A	3270	1/1	0.97	0.25	5.99	27,27,27,27	0
56	MG	1A	4089	1/1	0.97	0.22	5.90	34,34,34,34	0
56	MG	1A	4042	1/1	0.97	0.31	5.89	32,32,32,32	0
56	MG	2A	3379	1/1	0.94	0.22	5.88	64,64,64,64	0
56	MG	2A	3387	1/1	0.89	0.22	5.85	37,37,37,37	0
56	MG	1P	204	1/1	0.98	0.31	5.84	34,34,34,34	0
56	MG	2D	305	1/1	0.98	0.33	5.72	27,27,27,27	0
56	MG	1D	310	1/1	0.98	0.33	5.65	31,31,31,31	0
56	MG	2a	1620	1/1	0.89	0.23	5.65	66,66,66,66	0
56	MG	2A	3324	1/1	0.98	0.20	5.64	24,24,24,24	0
56	MG	2A	3314	1/1	0.90	0.18	5.64	49,49,49,49	0
56	MG	1B	212	1/1	0.91	0.30	5.63	50,50,50,50	0
56	MG	2A	3365	1/1	0.78	0.17	5.61	49,49,49,49	0
56	MG	2A	3299	1/1	0.89	0.28	5.56	65,65,65,65	0
56	MG	2a	1684	1/1	0.87	0.41	5.53	60,60,60,60	0
56	MG	2A	3248	1/1	0.98	0.25	5.50	45,45,45,45	0
56	MG	1a	1702	1/1	0.91	0.20	5.48	43,43,43,43	0
56	MG	2a	1760	1/1	0.91	0.26	5.47	59,59,59,59	0
56	MG	2a	1712	1/1	0.90	0.22	5.33	67,67,67,67	0
56	MG	2A	3470	1/1	0.97	0.20	5.30	67,67,67,67	0
56	MG	1A	3405	1/1	0.90	0.27	5.29	36,36,36,36	0
56	MG	1A	3790	1/1	0.89	0.23	5.21	38,38,38,38	0
56	MG	1A	3655	1/1	0.93	0.27	5.20	36,36,36,36	0
56	MG	1A	4067	1/1	0.94	0.29	5.17	37,37,37,37	0
56	MG	2A	3222	1/1	0.97	0.17	5.14	34,34,34,34	0
56	MG	1A	3863	1/1	0.98	0.24	5.11	45,45,45,45	0
56	MG	1A	3910	1/1	0.86	0.21	5.11	37,37,37,37	0
56	MG	2A	3362	1/1	0.94	0.22	5.08	62,62,62,62	0
56	MG	1A	3245	1/1	0.97	0.23	5.02	25,25,25,25	0
56	MG	2A	3353	1/1	0.94	0.17	4.90	59,59,59,59	0
56	MG	1E	308	1/1	0.93	0.29	4.85	28,28,28,28	0
56	MG	2A	3043	1/1	0.97	0.19	4.80	46,46,46,46	0
56	MG	2A	3021	1/1	0.97	0.29	4.79	42,42,42,42	0
56	MG	2A	3025	1/1	0.92	0.20	4.78	45,45,45,45	0
56	MG	1A	4028	1/1	0.92	0.20	4.75	87,87,87,87	0
56	MG	1A	3270	1/1	0.97	0.25	4.74	41,41,41,41	0
56	MG	1A	3993	1/1	0.97	0.21	4.43	30,30,30,30	0
56	MG	1A	3668	1/1	0.97	0.20	4.38	31,31,31,31	0
56	MG	1A	3293	1/1	0.87	0.26	4.29	50,50,50,50	0
56	MG	1A	3660	1/1	0.95	0.20	4.27	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	1A	3125	1/1	0.91	0.17	4.27	56,56,56,56	0
56	MG	1A	3154	1/1	0.97	0.22	4.16	34,34,34,34	0
56	MG	2A	3551	1/1	0.90	0.20	4.14	32,32,32,32	0
56	MG	2A	3540	1/1	0.95	0.21	4.13	45,45,45,45	0
56	MG	1a	1756	1/1	0.87	0.19	4.08	74,74,74,74	0
56	MG	1A	3646	1/1	0.91	0.20	3.98	49,49,49,49	0
56	MG	2A	3197	1/1	0.94	0.18	3.98	47,47,47,47	0
56	MG	2A	3123	1/1	0.94	0.14	3.97	53,53,53,53	0
56	MG	1A	3460	1/1	0.88	0.21	3.95	61,61,61,61	0
56	MG	2A	3358	1/1	0.97	0.22	3.90	47,47,47,47	0
56	MG	1a	1632	1/1	0.94	0.17	3.90	47,47,47,47	0
56	MG	1A	3770	1/1	0.96	0.24	3.88	26,26,26,26	0
56	MG	1A	3803	1/1	0.95	0.16	3.75	53,53,53,53	0
56	MG	1A	3130	1/1	0.96	0.32	3.74	35,35,35,35	0
56	MG	2A	3296	1/1	0.95	0.19	3.71	40,40,40,40	0
56	MG	1A	4084	1/1	0.93	0.25	3.61	36,36,36,36	0
56	MG	1A	3571	1/1	0.97	0.18	3.61	42,42,42,42	0
56	MG	2A	3046	1/1	0.99	0.17	3.58	38,38,38,38	0
56	MG	2B	3005	1/1	0.96	0.20	3.57	51,51,51,51	0
56	MG	1Q	3002	1/1	0.92	0.22	3.56	36,36,36,36	0
56	MG	1A	3751	1/1	0.85	0.22	3.56	20,20,20,20	0
56	MG	2A	3216	1/1	0.86	0.17	3.51	44,44,44,44	0
56	MG	1A	3820	1/1	0.96	0.20	3.48	45,45,45,45	0
56	MG	1A	3110	1/1	0.82	0.27	3.43	52,52,52,52	0
56	MG	2A	3485	1/1	0.93	0.15	3.38	48,48,48,48	0
56	MG	2A	3285	1/1	0.85	0.17	3.36	48,48,48,48	0
56	MG	2A	3323	1/1	0.96	0.22	3.36	56,56,56,56	0
56	MG	1A	3127	1/1	0.97	0.24	3.35	39,39,39,39	0
56	MG	1a	1662	1/1	0.84	0.20	3.35	61,61,61,61	0
56	MG	2A	3174	1/1	0.93	0.17	3.33	32,32,32,32	0
56	MG	2A	3330	1/1	0.94	0.17	3.30	37,37,37,37	0
56	MG	2A	3459	1/1	0.92	0.21	3.29	46,46,46,46	0
56	MG	1A	3703	1/1	0.85	0.23	3.26	29,29,29,29	0
56	MG	1A	3690	1/1	0.89	0.21	3.19	15,15,15,15	0
56	MG	1a	1720	1/1	0.90	0.20	3.15	40,40,40,40	0
56	MG	1A	3166	1/1	0.94	0.20	3.10	29,29,29,29	0
56	MG	1a	1711	1/1	0.97	0.20	3.10	60,60,60,60	0
56	MG	2A	3386	1/1	0.95	0.17	3.08	68,68,68,68	0
56	MG	2A	3525	1/1	0.91	0.16	3.06	40,40,40,40	0
56	MG	1a	1793	1/1	0.97	0.18	3.05	29,29,29,29	0
56	MG	2a	1715	1/1	0.71	0.23	3.04	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	1858	1/1	0.98	0.21	3.01	35,35,35,35	0
56	MG	1Q	3006	1/1	0.98	0.29	2.93	37,37,37,37	0
56	MG	2a	1752	1/1	0.85	0.20	2.91	59,59,59,59	0
56	MG	2A	3062	1/1	0.92	0.16	2.88	43,43,43,43	0
56	MG	2a	1771	1/1	0.96	0.23	2.85	50,50,50,50	0
56	MG	1A	3152	1/1	0.99	0.20	2.84	29,29,29,29	0
56	MG	1R	201	1/1	0.92	0.27	2.83	55,55,55,55	0
56	MG	1a	1844	1/1	0.86	0.18	2.77	53,53,53,53	0
56	MG	1A	3584	1/1	0.96	0.21	2.76	33,33,33,33	0
56	MG	1A	3178	1/1	0.89	0.18	2.72	48,48,48,48	0
56	MG	1a	1708	1/1	0.93	0.20	2.69	40,40,40,40	0
56	MG	1W	3005	1/1	0.93	0.25	2.66	32,32,32,32	0
56	MG	2A	3184	1/1	0.90	0.21	2.65	43,43,43,43	0
56	MG	2a	1618	1/1	0.90	0.27	2.65	74,74,74,74	0
56	MG	2A	3451	1/1	0.95	0.17	2.64	53,53,53,53	0
56	MG	2A	3503	1/1	0.96	0.16	2.60	50,50,50,50	0
56	MG	1h	3003	1/1	0.85	0.27	2.57	70,70,70,70	0
56	MG	1A	3956	1/1	0.85	0.22	2.52	17,17,17,17	0
56	MG	2A	3256	1/1	0.94	0.18	2.51	36,36,36,36	0
56	MG	1a	1604	1/1	0.85	0.17	2.47	63,63,63,63	0
56	MG	1a	1836	1/1	0.90	0.20	2.45	52,52,52,52	0
56	MG	2A	3390	1/1	0.64	0.19	2.45	55,55,55,55	0
56	MG	1A	4094	1/1	0.98	0.23	2.44	27,27,27,27	0
56	MG	2A	3298	1/1	0.95	0.17	2.42	31,31,31,31	0
56	MG	2A	3529	1/1	0.90	0.18	2.38	43,43,43,43	0
56	MG	1A	4061	1/1	0.94	0.21	2.37	48,48,48,48	0
56	MG	2a	1732	1/1	0.95	0.21	2.36	75,75,75,75	0
56	MG	1A	3959	1/1	0.97	0.23	2.35	27,27,27,27	0
56	MG	2A	3199	1/1	0.96	0.19	2.33	42,42,42,42	0
56	MG	1A	3771	1/1	0.95	0.20	2.28	11,11,11,11	0
56	MG	1A	3583	1/1	0.97	0.20	2.24	47,47,47,47	0
56	MG	1t	3001	1/1	0.95	0.37	2.23	53,53,53,53	0
56	MG	1a	1900	1/1	0.95	0.23	2.16	68,68,68,68	0
56	MG	1D	307	1/1	0.83	0.20	2.14	43,43,43,43	0
56	MG	2A	3203	1/1	0.87	0.19	2.11	19,19,19,19	0
56	MG	2A	3048	1/1	0.88	0.17	2.08	43,43,43,43	0
56	MG	2A	3120	1/1	0.91	0.18	2.06	33,33,33,33	0
56	MG	2F	303	1/1	0.95	0.23	2.04	50,50,50,50	0
56	MG	1A	4056	1/1	0.97	0.21	2.03	30,30,30,30	0
56	MG	1A	3161	1/1	0.98	0.18	2.03	27,27,27,27	0
56	MG	1A	3144	1/1	0.94	0.22	2.00	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	2W	201	1/1	0.94	0.27	1.99	42,42,42,42	0
56	MG	1A	3662	1/1	0.90	0.22	1.95	22,22,22,22	0
56	MG	1a	1690	1/1	0.83	0.17	1.94	78,78,78,78	0
56	MG	1A	3446	1/1	0.94	0.18	1.93	43,43,43,43	0
56	MG	1A	3652	1/1	0.88	0.19	1.89	48,48,48,48	0
56	MG	1a	1868	1/1	0.97	0.14	1.87	41,41,41,41	0
56	MG	1A	3685	1/1	0.95	0.19	1.87	31,31,31,31	0
56	MG	1D	304	1/1	0.88	0.23	1.84	44,44,44,44	0
56	MG	1A	3674	1/1	0.90	0.20	1.84	37,37,37,37	0
56	MG	2t	3001	1/1	0.88	0.31	1.83	53,53,53,53	0
56	MG	2A	3405	1/1	0.97	0.16	1.83	53,53,53,53	0
57	ZN	16	102	1/1	0.96	0.18	1.79	57,57,57,57	0
56	MG	1A	3481	1/1	0.85	0.22	1.77	56,56,56,56	0
56	MG	1a	1831	1/1	0.98	0.17	1.76	32,32,32,32	0
56	MG	2A	3119	1/1	0.97	0.15	1.75	25,25,25,25	0
56	MG	2a	1685	1/1	0.97	0.20	1.73	53,53,53,53	0
56	MG	1A	3745	1/1	0.87	0.19	1.71	69,69,69,69	0
56	MG	1A	3868	1/1	0.89	0.16	1.70	65,65,65,65	0
56	MG	15	102	1/1	0.94	0.17	1.63	45,45,45,45	0
56	MG	2A	3355	1/1	0.94	0.18	1.60	22,22,22,22	0
56	MG	2A	3546	1/1	0.86	0.26	1.57	48,48,48,48	0
56	MG	2a	1784	1/1	0.90	0.20	1.55	71,71,71,71	0
56	MG	2A	3231	1/1	0.99	0.15	1.54	42,42,42,42	0
56	MG	1A	3129	1/1	0.87	0.19	1.48	41,41,41,41	0
56	MG	2A	3207	1/1	0.94	0.21	1.47	41,41,41,41	0
56	MG	1D	302	1/1	0.89	0.23	1.47	63,63,63,63	0
56	MG	1A	3954	1/1	0.88	0.18	1.43	42,42,42,42	0
56	MG	2U	201	1/1	0.93	0.17	1.41	30,30,30,30	0
56	MG	1D	313	1/1	0.97	0.18	1.40	39,39,39,39	0
56	MG	1N	203	1/1	0.84	0.24	1.39	47,47,47,47	0
56	MG	1A	3619	1/1	0.94	0.22	1.38	24,24,24,24	0
56	MG	2A	3177	1/1	0.93	0.16	1.37	40,40,40,40	0
56	MG	2a	1754	1/1	0.94	0.17	1.35	44,44,44,44	0
56	MG	1b	3001	1/1	0.96	0.22	1.34	63,63,63,63	0
56	MG	1A	3972	1/1	0.93	0.17	1.34	80,80,80,80	0
56	MG	1A	3869	1/1	0.85	0.24	1.34	81,81,81,81	0
56	MG	1a	1668	1/1	0.73	0.18	1.33	81,81,81,81	0
56	MG	2A	3557	1/1	0.97	0.18	1.33	52,52,52,52	0
56	MG	2A	3518	1/1	0.97	0.22	1.31	58,58,58,58	0
56	MG	1A	3640	1/1	0.93	0.18	1.31	42,42,42,42	0
56	MG	1A	3824	1/1	0.97	0.21	1.27	19,19,19,19	0
56	MG	1A	3454	1/1	0.93	0.19	1.26	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	3240	1/1	0.94	0.18	1.25	37,37,37,37	0
56	MG	1A	3759	1/1	0.98	0.18	1.22	41,41,41,41	0
56	MG	2A	3548	1/1	0.91	0.19	1.21	53,53,53,53	0
56	MG	1A	3163	1/1	0.94	0.16	1.20	38,38,38,38	0
56	MG	1P	201	1/1	0.96	0.22	1.16	56,56,56,56	0
56	MG	2A	3247	1/1	0.97	0.16	1.15	47,47,47,47	0
56	MG	2A	3091	1/1	0.93	0.16	1.13	52,52,52,52	0
56	MG	1A	3179	1/1	0.96	0.21	1.11	38,38,38,38	0
56	MG	1A	3656	1/1	0.96	0.21	1.11	46,46,46,46	0
56	MG	1A	3841	1/1	0.98	0.18	1.10	17,17,17,17	0
56	MG	1A	4012	1/1	0.96	0.22	1.07	42,42,42,42	0
56	MG	2a	1758	1/1	0.76	0.18	1.07	59,59,59,59	0
56	MG	2A	3287	1/1	0.86	0.21	1.05	55,55,55,55	0
56	MG	2A	3282	1/1	0.95	0.13	0.99	39,39,39,39	0
56	MG	1A	3801	1/1	0.93	0.19	0.99	15,15,15,15	0
56	MG	1e	202	1/1	0.97	0.25	0.90	81,81,81,81	0
56	MG	1a	1851	1/1	0.97	0.20	0.89	64,64,64,64	0
56	MG	1A	3091	1/1	0.98	0.18	0.80	46,46,46,46	0
56	MG	1a	1740	1/1	0.96	0.27	0.79	46,46,46,46	0
56	MG	2A	3520	1/1	0.95	0.16	0.75	25,25,25,25	0
56	MG	1A	3145	1/1	0.98	0.19	0.72	29,29,29,29	0
56	MG	1A	3289	1/1	0.93	0.18	0.70	32,32,32,32	0
56	MG	15	103	1/1	0.94	0.18	0.70	33,33,33,33	0
56	MG	1R	204	1/1	0.93	0.23	0.69	58,58,58,58	0
56	MG	2A	3158	1/1	0.97	0.17	0.67	39,39,39,39	0
56	MG	1A	3594	1/1	0.96	0.17	0.65	36,36,36,36	0
56	MG	1A	3591	1/1	0.97	0.18	0.61	52,52,52,52	0
56	MG	1A	3137	1/1	0.84	0.15	0.49	58,58,58,58	0
56	MG	2A	3531	1/1	0.93	0.11	0.48	47,47,47,47	0
56	MG	1A	3775	1/1	0.94	0.20	0.47	14,14,14,14	0
56	MG	2A	3041	1/1	0.95	0.17	0.45	28,28,28,28	0
56	MG	1A	3677	1/1	0.92	0.17	0.41	16,16,16,16	0
56	MG	1a	1736	1/1	0.96	0.20	0.37	59,59,59,59	0
56	MG	2A	3112	1/1	0.97	0.12	0.36	40,40,40,40	0
56	MG	2A	3516	1/1	0.94	0.16	0.35	30,30,30,30	0
56	MG	2A	3088	1/1	0.86	0.14	0.35	46,46,46,46	0
56	MG	1A	3494	1/1	0.93	0.19	0.34	63,63,63,63	0
56	MG	1A	3369	1/1	0.94	0.16	0.34	38,38,38,38	0
56	MG	1U	203	1/1	0.97	0.20	0.34	42,42,42,42	0
56	MG	2A	3552	1/1	0.97	0.16	0.32	47,47,47,47	0
56	MG	1A	3651	1/1	0.87	0.19	0.30	23,23,23,23	0
56	MG	2A	3474	1/1	0.89	0.14	0.28	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	2E	301	1/1	0.96	0.16	0.28	30,30,30,30	0
56	MG	1A	3710	1/1	0.88	0.18	0.27	25,25,25,25	0
56	MG	1A	3752	1/1	0.94	0.20	0.27	25,25,25,25	0
56	MG	2a	1669	1/1	0.91	0.14	0.22	43,43,43,43	0
56	MG	2D	301	1/1	0.87	0.13	0.18	50,50,50,50	0
56	MG	1A	3818	1/1	0.98	0.19	0.14	19,19,19,19	0
56	MG	1A	3812	1/1	0.95	0.16	0.07	59,59,59,59	0
57	ZN	15	101	1/1	0.99	0.13	0.06	48,48,48,48	0
56	MG	1A	3233	1/1	0.93	0.14	0.02	42,42,42,42	0
56	MG	1a	1837	1/1	0.96	0.13	0.01	46,46,46,46	0
56	MG	1A	3817	1/1	0.98	0.17	-0.04	49,49,49,49	0
56	MG	1A	4058	1/1	0.95	0.17	-0.06	56,56,56,56	0
56	MG	2A	3309	1/1	0.93	0.14	-0.06	39,39,39,39	0
56	MG	1a	1867	1/1	0.96	0.13	-0.07	56,56,56,56	0
56	MG	1A	4019	1/1	0.89	0.15	-0.07	59,59,59,59	0
56	MG	2q	3002	1/1	0.80	0.23	-0.08	59,59,59,59	0
56	MG	2A	3160	1/1	0.88	0.12	-0.08	52,52,52,52	0
56	MG	1E	301	1/1	0.96	0.16	-0.11	14,14,14,14	0
56	MG	2A	3152	1/1	0.97	0.14	-0.11	30,30,30,30	0
56	MG	2A	3071	1/1	0.93	0.12	-0.14	42,42,42,42	0
56	MG	11	103	1/1	0.92	0.16	-0.16	50,50,50,50	0
56	MG	2A	3130	1/1	0.98	0.12	-0.22	43,43,43,43	0
56	MG	1D	305	1/1	0.96	0.19	-0.25	46,46,46,46	0
56	MG	2O	3001	1/1	0.95	0.14	-0.29	49,49,49,49	0
56	MG	2Q	3003	1/1	0.96	0.12	-0.31	37,37,37,37	0
56	MG	2a	1699	1/1	0.97	0.15	-0.33	71,71,71,71	0
56	MG	1A	3741	1/1	0.98	0.18	-0.38	13,13,13,13	0
56	MG	2a	1674	1/1	0.94	0.14	-0.38	50,50,50,50	0
56	MG	1N	206	1/1	0.90	0.17	-0.40	37,37,37,37	0
56	MG	2A	3538	1/1	0.86	0.14	-0.43	56,56,56,56	0
56	MG	1A	3023	1/1	0.90	0.14	-0.43	47,47,47,47	0
56	MG	1a	1666	1/1	0.88	0.15	-0.43	61,61,61,61	0
56	MG	1A	3390	1/1	0.92	0.14	-0.44	56,56,56,56	0
56	MG	2x	3003	1/1	0.97	0.14	-0.44	48,48,48,48	0
56	MG	1A	3214	1/1	0.95	0.11	-0.45	63,63,63,63	0
56	MG	1A	3122	1/1	0.92	0.14	-0.46	44,44,44,44	0
56	MG	1A	4047	1/1	0.88	0.18	-0.47	44,44,44,44	0
56	MG	1a	1808	1/1	0.93	0.17	-0.49	57,57,57,57	0
56	MG	1A	3804	1/1	0.95	0.15	-0.49	58,58,58,58	0
56	MG	1a	1709	1/1	0.95	0.14	-0.53	66,66,66,66	0
56	MG	2A	3305	1/1	0.96	0.14	-0.53	41,41,41,41	0
56	MG	1A	3688	1/1	0.95	0.17	-0.56	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	3877	1/1	0.82	0.13	-0.57	41,41,41,41	0
57	ZN	25	501	1/1	0.99	0.11	-0.58	47,47,47,47	0
56	MG	1A	3592	1/1	0.97	0.12	-0.59	35,35,35,35	0
56	MG	2A	3102	1/1	0.85	0.12	-0.60	53,53,53,53	0
56	MG	2D	302	1/1	0.95	0.11	-0.60	48,48,48,48	0
56	MG	1q	3303	1/1	0.95	0.15	-0.61	60,60,60,60	0
56	MG	1A	4075	1/1	0.92	0.17	-0.63	36,36,36,36	0
56	MG	1a	1640	1/1	0.97	0.17	-0.64	57,57,57,57	0
56	MG	1A	3172	1/1	0.96	0.11	-0.64	56,56,56,56	0
56	MG	2A	3438	1/1	0.76	0.14	-0.65	39,39,39,39	0
56	MG	2A	3336	1/1	0.97	0.14	-0.65	38,38,38,38	0
56	MG	1A	3729	1/1	0.91	0.18	-0.67	43,43,43,43	0
56	MG	1A	3263	1/1	0.95	0.18	-0.68	31,31,31,31	0
56	MG	1A	3769	1/1	0.95	0.15	-0.71	44,44,44,44	0
56	MG	1a	1659	1/1	0.92	0.13	-0.75	68,68,68,68	0
57	ZN	1n	501	1/1	0.97	0.12	-0.76	84,84,84,84	0
56	MG	1A	3482	1/1	0.91	0.17	-0.77	55,55,55,55	0
56	MG	1A	3269	1/1	0.98	0.18	-0.78	17,17,17,17	0
56	MG	2A	3361	1/1	0.90	0.13	-0.80	53,53,53,53	0
56	MG	2a	1773	1/1	0.97	0.14	-0.83	53,53,53,53	0
56	MG	1D	303	1/1	0.94	0.16	-0.85	37,37,37,37	0
56	MG	2a	1661	1/1	0.87	0.16	-0.87	58,58,58,58	0
56	MG	2A	3544	1/1	0.83	0.12	-0.90	48,48,48,48	0
56	MG	2A	3232	1/1	0.94	0.13	-0.92	47,47,47,47	0
56	MG	1d	502	1/1	0.95	0.10	-0.92	60,60,60,60	0
56	MG	1a	1658	1/1	0.62	0.12	-0.92	69,69,69,69	0
56	MG	1A	3120	1/1	0.96	0.16	-0.94	28,28,28,28	0
56	MG	1A	3932	1/1	0.87	0.16	-0.94	58,58,58,58	0
56	MG	1A	3968	1/1	0.98	0.16	-0.95	21,21,21,21	0
56	MG	1a	1694	1/1	0.94	0.12	-0.96	45,45,45,45	0
56	MG	2A	3558	1/1	0.96	0.17	-0.96	40,40,40,40	0
56	MG	1A	3036	1/1	0.97	0.17	-1.00	41,41,41,41	0
57	ZN	26	501	1/1	0.91	0.10	-1.01	62,62,62,62	0
56	MG	2f	3001	1/1	0.89	0.14	-1.03	54,54,54,54	0
56	MG	1A	3633	1/1	0.96	0.15	-1.03	21,21,21,21	0
56	MG	2A	3030	1/1	0.90	0.12	-1.03	45,45,45,45	0
56	MG	1a	1774	1/1	0.93	0.11	-1.05	75,75,75,75	0
56	MG	2A	3368	1/1	0.89	0.12	-1.07	43,43,43,43	0
57	ZN	29	501	1/1	0.97	0.07	-1.07	58,58,58,58	0
56	MG	1a	1660	1/1	0.95	0.12	-1.07	57,57,57,57	0
56	MG	2A	3271	1/1	0.94	0.12	-1.08	42,42,42,42	0
56	MG	2a	1803	1/1	0.96	0.09	-1.08	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	3366	1/1	0.90	0.12	-1.11	51,51,51,51	0
56	MG	1Q	3005	1/1	0.98	0.15	-1.11	38,38,38,38	0
56	MG	1a	1704	1/1	0.99	0.14	-1.12	40,40,40,40	0
56	MG	1A	3312	1/1	0.92	0.12	-1.12	59,59,59,59	0
56	MG	1A	3097	1/1	0.95	0.14	-1.12	55,55,55,55	0
58	SF4	1d	501	8/8	0.99	0.13	-1.13	56,73,76,77	0
56	MG	1A	4054	1/1	0.95	0.15	-1.13	40,40,40,40	0
56	MG	1a	1652	1/1	0.95	0.12	-1.16	63,63,63,63	0
58	SF4	2d	501	8/8	0.99	0.12	-1.17	56,71,81,82	0
56	MG	2A	3019	1/1	0.94	0.10	-1.21	45,45,45,45	0
56	MG	1A	3663	1/1	0.93	0.17	-1.22	20,20,20,20	0
57	ZN	14	501	1/1	0.96	0.10	-1.24	75,75,75,75	0
57	ZN	19	102	1/1	0.99	0.13	-1.25	46,46,46,46	0
56	MG	1A	3239	1/1	0.94	0.17	-1.26	25,25,25,25	0
56	MG	1W	3003	1/1	0.96	0.16	-1.29	43,43,43,43	0
56	MG	2a	1678	1/1	0.92	0.09	-1.31	58,58,58,58	0
56	MG	1a	1905	1/1	0.96	0.12	-1.34	52,52,52,52	0
57	ZN	1Y	202	1/1	0.97	0.11	-1.35	65,65,65,65	0
56	MG	1A	3231	1/1	0.97	0.13	-1.35	42,42,42,42	0
56	MG	1A	3283	1/1	0.90	0.15	-1.36	47,47,47,47	0
56	MG	1A	3958	1/1	0.98	0.16	-1.37	18,18,18,18	0
56	MG	1a	1898	1/1	0.96	0.12	-1.39	47,47,47,47	0
56	MG	1N	205	1/1	0.94	0.15	-1.40	42,42,42,42	0
56	MG	2A	3394	1/1	0.85	0.12	-1.40	57,57,57,57	0
56	MG	1A	3220	1/1	0.97	0.14	-1.42	30,30,30,30	0
56	MG	2A	3061	1/1	0.94	0.12	-1.42	44,44,44,44	0
56	MG	2A	3250	1/1	0.94	0.12	-1.46	70,70,70,70	0
56	MG	2A	3303	1/1	0.92	0.10	-1.49	30,30,30,30	0
56	MG	2A	3278	1/1	0.93	0.12	-1.50	52,52,52,52	0
56	MG	1B	219	1/1	0.98	0.12	-1.51	25,25,25,25	0
56	MG	2A	3517	1/1	0.97	0.09	-1.51	36,36,36,36	0
56	MG	1A	3234	1/1	0.90	0.13	-1.52	52,52,52,52	0
57	ZN	2Y	202	1/1	0.92	0.05	-1.54	80,80,80,80	0
56	MG	2A	3306	1/1	0.87	0.13	-1.54	32,32,32,32	0
56	MG	1A	3037	1/1	0.96	0.14	-1.54	50,50,50,50	0
56	MG	2a	1748	1/1	0.91	0.14	-1.56	50,50,50,50	0
56	MG	1a	1742	1/1	0.85	0.12	-1.56	69,69,69,69	0
56	MG	1A	3800	1/1	0.97	0.15	-1.58	25,25,25,25	0
56	MG	2A	3412	1/1	0.93	0.10	-1.60	53,53,53,53	0
56	MG	2A	3097	1/1	0.90	0.10	-1.62	51,51,51,51	0
56	MG	1A	3658	1/1	0.98	0.12	-1.62	36,36,36,36	0
56	MG	1A	3997	1/1	0.91	0.14	-1.64	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	1G	3001	1/1	0.87	0.10	-1.65	45,45,45,45	0
56	MG	1A	3783	1/1	0.95	0.16	-1.68	22,22,22,22	0
56	MG	1a	1879	1/1	0.95	0.14	-1.70	43,43,43,43	0
56	MG	1A	4095	1/1	0.99	0.14	-1.70	32,32,32,32	0
56	MG	1A	3580	1/1	0.97	0.14	-1.73	22,22,22,22	0
56	MG	2A	3153	1/1	0.85	0.13	-1.74	45,45,45,45	0
56	MG	1a	1899	1/1	0.95	0.09	-1.77	43,43,43,43	0
56	MG	1A	3603	1/1	0.99	0.14	-1.81	45,45,45,45	0
56	MG	2A	3205	1/1	0.98	0.13	-1.82	46,46,46,46	0
56	MG	1n	502	1/1	0.95	0.10	-1.83	55,55,55,55	0
56	MG	1A	3840	1/1	0.96	0.16	-1.83	59,59,59,59	0
56	MG	2A	3442	1/1	0.94	0.12	-1.89	60,60,60,60	0
56	MG	1a	1638	1/1	0.93	0.10	-1.90	56,56,56,56	0
56	MG	2A	3053	1/1	0.95	0.10	-1.95	47,47,47,47	0
57	ZN	2n	501	1/1	0.90	0.06	-1.97	93,93,93,93	0
56	MG	1a	1904	1/1	0.94	0.12	-1.98	60,60,60,60	0
56	MG	1A	3696	1/1	0.91	0.13	-2.03	34,34,34,34	0
56	MG	1A	3256	1/1	0.93	0.11	-2.03	37,37,37,37	0
56	MG	1A	3930	1/1	0.94	0.10	-2.04	28,28,28,28	0
56	MG	1A	3085	1/1	0.96	0.14	-2.05	28,28,28,28	0
56	MG	2A	3080	1/1	0.94	0.10	-2.08	41,41,41,41	0
56	MG	1A	3909	1/1	0.93	0.12	-2.09	54,54,54,54	0
56	MG	2G	3001	1/1	0.86	0.17	-2.10	49,49,49,49	0
56	MG	1B	205	1/1	0.94	0.10	-2.19	57,57,57,57	0
57	ZN	24	501	1/1	0.64	0.07	-2.20	114,114,114,114	0
56	MG	2A	3288	1/1	0.94	0.11	-2.21	35,35,35,35	0
56	MG	2B	3003	1/1	0.90	0.12	-2.23	60,60,60,60	0
56	MG	1e	201	1/1	0.96	0.07	-2.24	75,75,75,75	0
56	MG	1A	3716	1/1	0.87	0.09	-2.25	52,52,52,52	0
56	MG	2a	1687	1/1	0.76	0.10	-2.25	62,62,62,62	0
56	MG	1A	3781	1/1	0.95	0.14	-2.25	19,19,19,19	0
56	MG	1A	3666	1/1	0.92	0.10	-2.26	28,28,28,28	0
56	MG	2A	3413	1/1	0.89	0.12	-2.27	63,63,63,63	0
56	MG	1r	102	1/1	0.93	0.12	-2.28	47,47,47,47	0
56	MG	2l	202	1/1	0.86	0.13	-2.29	69,69,69,69	0
56	MG	1a	1691	1/1	0.95	0.11	-2.29	59,59,59,59	0
56	MG	1A	3193	1/1	0.92	0.14	-2.30	50,50,50,50	0
56	MG	1A	3671	1/1	0.97	0.14	-2.31	16,16,16,16	0
56	MG	2A	3056	1/1	0.91	0.11	-2.32	37,37,37,37	0
56	MG	1A	4078	1/1	0.97	0.14	-2.33	23,23,23,23	0
56	MG	1A	3831	1/1	0.94	0.14	-2.33	42,42,42,42	0
56	MG	1A	3808	1/1	0.92	0.12	-2.36	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2x	3004	1/1	0.95	0.06	-2.37	76,76,76,76	0
56	MG	2A	3045	1/1	0.93	0.09	-2.39	38,38,38,38	0
56	MG	1A	3661	1/1	0.98	0.16	-2.40	16,16,16,16	0
56	MG	1A	3676	1/1	0.91	0.10	-2.41	22,22,22,22	0
56	MG	2A	3304	1/1	0.94	0.08	-2.42	40,40,40,40	0
56	MG	2A	3157	1/1	0.94	0.12	-2.44	40,40,40,40	0
56	MG	1a	1713	1/1	0.94	0.11	-2.46	54,54,54,54	0
56	MG	1a	1678	1/1	0.97	0.11	-2.48	54,54,54,54	0
56	MG	1A	3556	1/1	0.81	0.14	-2.51	67,67,67,67	0
56	MG	2A	3218	1/1	0.95	0.08	-2.53	37,37,37,37	0
56	MG	2a	1790	1/1	0.97	0.06	-2.58	72,72,72,72	0
56	MG	1A	4021	1/1	0.96	0.14	-2.58	18,18,18,18	0
56	MG	1a	1672	1/1	0.94	0.10	-2.59	53,53,53,53	0
56	MG	1a	1777	1/1	0.93	0.11	-2.60	64,64,64,64	0
56	MG	1A	3788	1/1	0.97	0.14	-2.60	27,27,27,27	0
56	MG	1A	3985	1/1	0.96	0.14	-2.66	22,22,22,22	0
56	MG	2a	1725	1/1	0.79	0.10	-2.67	58,58,58,58	0
56	MG	1A	3873	1/1	0.85	0.13	-2.69	48,48,48,48	0
56	MG	1G	3003	1/1	0.97	0.04	-2.72	45,45,45,45	0
56	MG	1a	1703	1/1	0.87	0.09	-2.82	66,66,66,66	0
56	MG	1A	3778	1/1	0.96	0.16	-2.86	30,30,30,30	0
56	MG	1A	4070	1/1	0.94	0.13	-2.90	25,25,25,25	0
56	MG	1D	312	1/1	0.94	0.09	-2.91	44,44,44,44	0
56	MG	1A	3150	1/1	0.96	0.14	-2.92	39,39,39,39	0
56	MG	1A	3116	1/1	0.98	0.12	-2.94	21,21,21,21	0
56	MG	1a	1626	1/1	0.90	0.08	-2.94	62,62,62,62	0
56	MG	2A	3473	1/1	0.85	0.12	-2.95	42,42,42,42	0
56	MG	1A	3118	1/1	0.98	0.07	-2.98	33,33,33,33	0
56	MG	2A	3475	1/1	0.95	0.08	-2.99	53,53,53,53	0
56	MG	1a	1766	1/1	0.90	0.10	-3.01	82,82,82,82	0
56	MG	2a	1658	1/1	0.93	0.13	-3.01	53,53,53,53	0
56	MG	1P	202	1/1	0.97	0.14	-3.02	41,41,41,41	0
56	MG	1A	3999	1/1	0.96	0.13	-3.03	27,27,27,27	0
56	MG	1A	3632	1/1	0.94	0.14	-3.06	27,27,27,27	0
56	MG	1A	3833	1/1	0.93	0.12	-3.07	36,36,36,36	0
56	MG	2A	3456	1/1	0.96	0.09	-3.14	31,31,31,31	0
56	MG	1R	202	1/1	0.89	0.13	-3.17	64,64,64,64	0
56	MG	1a	1696	1/1	0.91	0.12	-3.25	59,59,59,59	0
56	MG	2A	3462	1/1	0.88	0.10	-3.25	44,44,44,44	0
56	MG	1A	3620	1/1	0.99	0.14	-3.27	7,7,7,7	0
56	MG	1A	3726	1/1	0.98	0.11	-3.31	23,23,23,23	0
56	MG	1A	3669	1/1	0.98	0.13	-3.31	17,17,17,17	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	0.87	0.08	-3.33	62,62,62,62	0
56	MG	2A	3384	1/1	0.93	0.09	-3.33	33,33,33,33	0
56	MG	1A	3830	1/1	0.87	0.10	-3.36	38,38,38,38	0
56	MG	1A	4091	1/1	0.96	0.07	-3.46	45,45,45,45	0
56	MG	2a	1680	1/1	0.98	0.09	-3.48	49,49,49,49	0
56	MG	1r	101	1/1	0.79	0.14	-3.61	65,65,65,65	0
56	MG	1A	3872	1/1	0.95	0.13	-3.62	28,28,28,28	0
56	MG	1a	1717	1/1	0.94	0.09	-3.65	73,73,73,73	0
56	MG	1a	1628	1/1	0.97	0.11	-3.67	35,35,35,35	0
56	MG	2A	3434	1/1	0.92	0.06	-3.74	49,49,49,49	0
56	MG	1A	3117	1/1	0.96	0.16	-3.76	29,29,29,29	0
56	MG	1A	3215	1/1	0.87	0.10	-3.80	50,50,50,50	0
56	MG	1x	104	1/1	0.96	0.06	-3.82	40,40,40,40	0
56	MG	1A	3876	1/1	0.98	0.09	-3.82	26,26,26,26	0
56	MG	1A	3861	1/1	0.94	0.15	-3.84	34,34,34,34	0
56	MG	2A	3329	1/1	0.94	0.10	-3.86	36,36,36,36	0
56	MG	1A	3595	1/1	0.97	0.12	-3.87	27,27,27,27	0
56	MG	2a	1719	1/1	0.96	0.10	-3.87	63,63,63,63	0
56	MG	1A	3519	1/1	0.83	0.07	-3.91	62,62,62,62	0
56	MG	1A	3782	1/1	0.96	0.11	-3.92	27,27,27,27	0
56	MG	2a	1689	1/1	0.96	0.07	-3.94	43,43,43,43	0
56	MG	2a	1737	1/1	0.92	0.10	-3.95	74,74,74,74	0
56	MG	1A	4044	1/1	0.85	0.11	-3.95	27,27,27,27	0
56	MG	1A	3015	1/1	0.93	0.12	-4.04	52,52,52,52	0
56	MG	1A	3246	1/1	0.95	0.16	-4.04	23,23,23,23	0
56	MG	2A	3539	1/1	0.96	0.09	-4.07	29,29,29,29	0
56	MG	1B	208	1/1	0.95	0.13	-4.07	30,30,30,30	0
56	MG	1A	3843	1/1	0.99	0.10	-4.12	29,29,29,29	0
56	MG	2a	1650	1/1	0.94	0.08	-4.33	70,70,70,70	0
56	MG	1a	1605	1/1	0.77	0.15	-4.37	83,83,83,83	0
56	MG	1A	4036	1/1	0.94	0.09	-4.39	61,61,61,61	0
56	MG	1B	211	1/1	0.90	0.09	-4.41	46,46,46,46	0
56	MG	1A	3838	1/1	0.96	0.10	-4.47	28,28,28,28	0
56	MG	2a	1709	1/1	0.97	0.10	-4.52	64,64,64,64	0
56	MG	17	104	1/1	0.97	0.10	-4.84	31,31,31,31	0
56	MG	2A	3283	1/1	0.97	0.07	-4.85	57,57,57,57	0
56	MG	1a	1681	1/1	0.96	0.07	-4.88	52,52,52,52	0
56	MG	1A	3625	1/1	0.96	0.09	-4.88	43,43,43,43	0
56	MG	1A	4043	1/1	0.96	0.09	-4.92	24,24,24,24	0
56	MG	1a	1746	1/1	0.98	0.11	-5.05	54,54,54,54	0
56	MG	1A	3408	1/1	0.94	0.04	-5.13	43,43,43,43	0
56	MG	1A	3728	1/1	0.99	0.12	-5.29	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3279	1/1	0.92	0.06	-5.35	55,55,55,55	0
56	MG	1B	221	1/1	0.92	0.10	-5.38	57,57,57,57	0
56	MG	1D	301	1/1	0.98	0.12	-5.43	31,31,31,31	0
56	MG	1A	3980	1/1	0.91	0.09	-5.53	33,33,33,33	0
56	MG	1A	3618	1/1	0.96	0.08	-5.55	39,39,39,39	0
56	MG	2a	1663	1/1	0.92	0.07	-5.64	51,51,51,51	0
56	MG	1A	3146	1/1	0.96	0.11	-5.70	39,39,39,39	0
56	MG	1A	3915	1/1	0.98	0.09	-5.79	13,13,13,13	0
56	MG	1A	3613	1/1	0.92	0.10	-5.82	30,30,30,30	0
56	MG	1a	1656	1/1	0.96	0.12	-5.86	56,56,56,56	0
56	MG	1A	3226	1/1	0.84	0.12	-5.95	31,31,31,31	0
56	MG	2a	1801	1/1	0.96	0.06	-6.02	63,63,63,63	0
56	MG	1A	3648	1/1	0.99	0.09	-6.13	24,24,24,24	0
56	MG	2A	3399	1/1	0.91	0.07	-6.21	58,58,58,58	0
56	MG	2A	3537	1/1	0.96	0.07	-6.41	45,45,45,45	0
56	MG	1A	4083	1/1	0.96	0.15	-6.47	34,34,34,34	0
56	MG	1A	4020	1/1	0.99	0.07	-6.70	30,30,30,30	0
56	MG	2A	3264	1/1	0.93	0.11	-7.15	36,36,36,36	0
56	MG	1A	4053	1/1	0.98	0.12	-8.03	29,29,29,29	0
56	MG	1a	1657	1/1	0.92	0.10	-8.14	25,25,25,25	0
56	MG	1A	3718	1/1	0.98	0.10	-8.26	8,8,8,8	0
56	MG	2A	3259	1/1	0.97	0.07	-9.25	36,36,36,36	0
56	MG	1A	3763	1/1	0.95	0.10	-9.44	41,41,41,41	0
56	MG	1A	3705	1/1	0.98	0.08	-9.73	16,16,16,16	0
56	MG	1A	3854	1/1	0.95	0.13	-10.14	35,35,35,35	0
56	MG	2a	1640	1/1	0.96	0.08	-12.25	81,81,81,81	0
56	MG	1a	1803	1/1	0.98	0.05	-12.55	57,57,57,57	0
56	MG	2a	1774	1/1	0.91	0.07	-13.11	69,69,69,69	0
56	MG	1A	4085	1/1	0.95	0.11	-	46,46,46,46	0
56	MG	1A	3520	1/1	0.91	0.07	-	53,53,53,53	0
56	MG	1B	203	1/1	0.90	0.20	-	53,53,53,53	0
56	MG	2a	1626	1/1	0.90	0.17	-	55,55,55,55	0
56	MG	1A	3714	1/1	0.88	0.14	-	54,54,54,54	0
56	MG	1a	1613	1/1	0.84	0.12	-	44,44,44,44	0
56	MG	1A	3294	1/1	0.79	0.20	-	64,64,64,64	0
56	MG	2a	1778	1/1	0.94	0.12	-	69,69,69,69	0
56	MG	1A	3225	1/1	0.85	0.12	-	49,49,49,49	0
56	MG	1A	3424	1/1	0.89	0.10	-	45,45,45,45	0
56	MG	1A	3974	1/1	0.93	0.19	-	46,46,46,46	0
56	MG	1a	1758	1/1	0.93	0.12	-	50,50,50,50	0
56	MG	1a	1674	1/1	0.97	0.12	-	46,46,46,46	0
56	MG	2A	3506	1/1	0.93	0.11	-	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	3373	1/1	0.92	0.14	-	58,58,58,58	0
56	MG	1A	3259	1/1	0.97	0.09	-	52,52,52,52	0
56	MG	1A	3412	1/1	0.97	0.13	-	77,77,77,77	0
56	MG	2a	1734	1/1	0.84	0.10	-	69,69,69,69	0
56	MG	1A	3434	1/1	0.98	0.17	-	47,47,47,47	0
56	MG	1A	3018	1/1	0.86	0.18	-	46,46,46,46	0
56	MG	1A	3636	1/1	0.96	0.15	-	35,35,35,35	0
56	MG	1A	3653	1/1	0.96	0.14	-	25,25,25,25	0
56	MG	1f	3001	1/1	0.95	0.24	-	56,56,56,56	0
56	MG	1A	3682	1/1	0.93	0.15	-	37,37,37,37	0
56	MG	1a	1839	1/1	0.95	0.14	-	70,70,70,70	0
56	MG	2a	1652	1/1	0.95	0.06	-	45,45,45,45	0
56	MG	1A	3344	1/1	0.83	0.31	-	73,73,73,73	0
56	MG	1A	3316	1/1	0.90	0.20	-	48,48,48,48	0
56	MG	1a	1866	1/1	0.96	0.12	-	55,55,55,55	0
56	MG	2A	3076	1/1	0.95	0.07	-	42,42,42,42	0
56	MG	1A	3342	1/1	0.81	0.14	-	49,49,49,49	0
56	MG	2A	3244	1/1	0.97	0.10	-	55,55,55,55	0
56	MG	2a	1722	1/1	0.97	0.23	-	47,47,47,47	0
56	MG	2a	1688	1/1	0.90	0.12	-	49,49,49,49	0
56	MG	1A	3734	1/1	0.98	0.05	-	45,45,45,45	0
56	MG	1O	203	1/1	0.83	0.33	-	60,60,60,60	0
56	MG	1A	3271	1/1	0.91	0.19	-	36,36,36,36	0
56	MG	2A	3334	1/1	0.93	0.16	-	57,57,57,57	0
56	MG	1a	1644	1/1	0.92	0.17	-	60,60,60,60	0
56	MG	1A	4002	1/1	0.91	0.18	-	70,70,70,70	0
56	MG	2a	1700	1/1	0.90	0.15	-	55,55,55,55	0
56	MG	1a	1718	1/1	0.91	0.15	-	67,67,67,67	0
56	MG	1A	3542	1/1	0.85	0.30	-	53,53,53,53	0
56	MG	1A	3709	1/1	0.97	0.13	-	15,15,15,15	0
56	MG	1A	3921	1/1	0.79	0.10	-	52,52,52,52	0
56	MG	1a	1642	1/1	0.95	0.31	-	95,95,95,95	0
56	MG	2A	3210	1/1	0.85	0.33	-	52,52,52,52	0
56	MG	1A	3229	1/1	0.91	0.16	-	57,57,57,57	0
56	MG	1a	1846	1/1	0.97	0.15	-	55,55,55,55	0
56	MG	1T	205	1/1	0.85	0.27	-	76,76,76,76	0
56	MG	1A	3798	1/1	0.95	0.15	-	23,23,23,23	0
56	MG	1D	306	1/1	0.88	0.21	-	50,50,50,50	0
56	MG	1A	3132	1/1	0.96	0.15	-	39,39,39,39	0
56	MG	1A	3845	1/1	0.96	0.20	-	53,53,53,53	0
56	MG	1A	3275	1/1	0.88	0.27	-	58,58,58,58	0
56	MG	1A	3141	1/1	0.91	0.29	-	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	1618	1/1	0.98	0.16	-	58,58,58,58	0
56	MG	1a	1833	1/1	0.96	0.13	-	51,51,51,51	0
56	MG	1A	3836	1/1	0.98	0.40	-	57,57,57,57	0
56	MG	2A	3167	1/1	0.93	0.14	-	40,40,40,40	0
56	MG	1A	3983	1/1	0.94	0.19	-	53,53,53,53	0
56	MG	1A	3288	1/1	0.97	0.07	-	82,82,82,82	0
56	MG	1A	3532	1/1	0.84	0.12	-	54,54,54,54	0
56	MG	1a	1602	1/1	0.91	0.25	-	81,81,81,81	0
56	MG	1a	1813	1/1	0.96	0.10	-	56,56,56,56	0
56	MG	2A	3085	1/1	0.91	0.16	-	31,31,31,31	0
56	MG	1a	1687	1/1	0.95	0.11	-	51,51,51,51	0
56	MG	1A	3187	1/1	0.91	0.15	-	42,42,42,42	0
56	MG	1A	3065	1/1	0.92	0.44	-	53,53,53,53	0
56	MG	1a	1790	1/1	0.92	0.20	-	68,68,68,68	0
56	MG	1a	1636	1/1	0.96	0.12	-	66,66,66,66	0
56	MG	1a	1778	1/1	0.96	0.07	-	70,70,70,70	0
56	MG	1a	1824	1/1	0.97	0.33	-	52,52,52,52	0
56	MG	2B	3006	1/1	0.93	0.18	-	40,40,40,40	0
56	MG	1A	3335	1/1	0.97	0.11	-	46,46,46,46	0
56	MG	1A	3016	1/1	0.95	0.31	-	41,41,41,41	0
56	MG	1A	4001	1/1	0.95	0.09	-	49,49,49,49	0
56	MG	2A	3058	1/1	0.88	0.20	-	46,46,46,46	0
56	MG	10	102	1/1	0.95	0.05	-	51,51,51,51	0
56	MG	1A	3173	1/1	0.98	0.27	-	44,44,44,44	0
56	MG	1a	1785	1/1	0.93	0.16	-	66,66,66,66	0
56	MG	2A	3341	1/1	0.97	0.06	-	54,54,54,54	0
56	MG	1A	3315	1/1	0.89	0.17	-	50,50,50,50	0
56	MG	1A	3842	1/1	0.98	0.09	-	47,47,47,47	0
56	MG	1m	202	1/1	0.79	0.42	-	71,71,71,71	0
56	MG	1A	3565	1/1	0.93	0.18	-	67,67,67,67	0
56	MG	1A	3203	1/1	0.96	0.13	-	19,19,19,19	0
56	MG	1A	3557	1/1	0.96	0.11	-	48,48,48,48	0
56	MG	2A	3513	1/1	0.91	0.19	-	66,66,66,66	0
56	MG	1A	4039	1/1	0.77	0.20	-	81,81,81,81	0
56	MG	1A	3946	1/1	0.95	0.21	-	29,29,29,29	0
56	MG	1A	4063	1/1	0.93	0.14	-	38,38,38,38	0
56	MG	2A	3501	1/1	0.94	0.09	-	52,52,52,52	0
56	MG	1A	3697	1/1	0.97	0.10	-	23,23,23,23	0
56	MG	2A	3327	1/1	0.94	0.13	-	56,56,56,56	0
56	MG	1A	3025	1/1	0.92	0.28	-	44,44,44,44	0
56	MG	2A	3349	1/1	0.97	0.04	-	63,63,63,63	0
56	MG	2A	3427	1/1	0.89	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	3296	1/1	0.98	0.20	-	42,42,42,42	0
56	MG	1A	3255	1/1	0.92	0.08	-	61,61,61,61	0
56	MG	2a	1785	1/1	0.88	0.14	-	68,68,68,68	0
56	MG	1A	3470	1/1	0.88	0.40	-	43,43,43,43	0
56	MG	1A	3740	1/1	0.99	0.20	-	23,23,23,23	0
56	MG	2a	1622	1/1	0.95	0.16	-	53,53,53,53	0
56	MG	1A	3760	1/1	0.94	0.15	-	36,36,36,36	0
56	MG	2A	3522	1/1	0.94	0.16	-	50,50,50,50	0
56	MG	1A	3027	1/1	0.91	0.14	-	42,42,42,42	0
56	MG	2a	1691	1/1	0.95	0.14	-	55,55,55,55	0
56	MG	1A	3704	1/1	0.95	0.13	-	26,26,26,26	0
56	MG	1A	3799	1/1	0.96	0.09	-	39,39,39,39	0
56	MG	1a	1761	1/1	0.91	0.29	-	77,77,77,77	0
56	MG	1A	3896	1/1	0.88	0.12	-	47,47,47,47	0
56	MG	1a	1667	1/1	0.91	0.61	-	51,51,51,51	0
56	MG	2A	3559	1/1	0.93	0.12	-	58,58,58,58	0
56	MG	2A	3206	1/1	0.98	0.35	-	55,55,55,55	0
56	MG	18	101	1/1	0.97	0.15	-	30,30,30,30	0
56	MG	2A	3453	1/1	0.91	0.16	-	67,67,67,67	0
56	MG	1a	1789	1/1	0.88	0.10	-	62,62,62,62	0
56	MG	2a	1633	1/1	0.70	0.12	-	86,86,86,86	0
56	MG	2A	3148	1/1	0.95	0.09	-	54,54,54,54	0
56	MG	1A	3922	1/1	0.90	0.25	-	52,52,52,52	0
56	MG	2A	3510	1/1	0.95	0.19	-	49,49,49,49	0
56	MG	1A	3244	1/1	0.98	0.07	-	14,14,14,14	0
56	MG	1A	3631	1/1	0.95	0.10	-	43,43,43,43	0
56	MG	1A	3744	1/1	0.92	0.16	-	59,59,59,59	0
56	MG	1A	3707	1/1	0.97	0.17	-	50,50,50,50	0
56	MG	2a	1759	1/1	0.94	0.11	-	68,68,68,68	0
56	MG	1a	1801	1/1	0.77	0.16	-	58,58,58,58	0
56	MG	1A	3235	1/1	0.91	0.08	-	36,36,36,36	0
56	MG	2A	3479	1/1	0.82	0.17	-	56,56,56,56	0
56	MG	2A	3360	1/1	0.95	0.32	-	41,41,41,41	0
56	MG	2E	304	1/1	0.95	0.12	-	58,58,58,58	0
56	MG	1D	309	1/1	0.90	0.12	-	31,31,31,31	0
56	MG	2A	3432	1/1	0.93	0.24	-	48,48,48,48	0
56	MG	2A	3371	1/1	0.89	0.26	-	61,61,61,61	0
56	MG	2a	1740	1/1	0.88	0.90	-	101,101,101,101	0
56	MG	1A	3067	1/1	0.88	0.19	-	48,48,48,48	0
56	MG	1A	3276	1/1	0.95	0.28	-	37,37,37,37	0
56	MG	1A	3555	1/1	0.96	0.29	-	47,47,47,47	0
56	MG	1A	3588	1/1	0.94	0.21	-	14,14,14,14	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	1714	1/1	0.83	0.35	-	56,56,56,56	0
56	MG	1A	3249	1/1	0.94	0.27	-	43,43,43,43	0
56	MG	1A	3735	1/1	0.98	0.13	-	32,32,32,32	0
56	MG	2a	1710	1/1	0.96	0.15	-	71,71,71,71	0
56	MG	2A	3057	1/1	0.92	0.15	-	54,54,54,54	0
56	MG	1A	3787	1/1	0.97	0.18	-	33,33,33,33	0
56	MG	2A	3441	1/1	0.97	0.07	-	43,43,43,43	0
56	MG	1a	1673	1/1	0.97	0.05	-	51,51,51,51	0
56	MG	1A	3742	1/1	0.97	0.30	-	37,37,37,37	0
56	MG	1B	220	1/1	0.90	0.11	-	52,52,52,52	0
56	MG	1a	1621	1/1	0.96	0.11	-	68,68,68,68	0
56	MG	2A	3170	1/1	0.95	0.11	-	40,40,40,40	0
56	MG	1A	3484	1/1	0.96	0.08	-	54,54,54,54	0
56	MG	1A	3074	1/1	0.97	0.25	-	34,34,34,34	0
56	MG	2A	3338	1/1	0.96	0.08	-	53,53,53,53	0
56	MG	1A	3458	1/1	0.75	0.18	-	71,71,71,71	0
56	MG	2A	3554	1/1	0.66	0.24	-	70,70,70,70	0
56	MG	1A	3070	1/1	0.95	0.18	-	52,52,52,52	0
56	MG	1A	3414	1/1	0.92	0.22	-	55,55,55,55	0
56	MG	1A	3113	1/1	0.97	0.13	-	27,27,27,27	0
56	MG	2a	1639	1/1	0.87	0.09	-	80,80,80,80	0
56	MG	1A	3176	1/1	0.95	0.16	-	38,38,38,38	0
56	MG	1A	3026	1/1	0.96	0.21	-	49,49,49,49	0
56	MG	2A	3354	1/1	0.94	0.11	-	49,49,49,49	0
56	MG	2Q	3002	1/1	0.96	0.14	-	44,44,44,44	0
56	MG	2A	3087	1/1	0.88	0.28	-	49,49,49,49	0
56	MG	1A	3092	1/1	0.96	0.27	-	47,47,47,47	0
56	MG	1A	3534	1/1	0.70	0.15	-	64,64,64,64	0
56	MG	2A	3034	1/1	0.96	0.11	-	44,44,44,44	0
56	MG	1A	3047	1/1	0.93	0.16	-	40,40,40,40	0
56	MG	1A	3969	1/1	0.98	0.12	-	40,40,40,40	0
56	MG	1A	4062	1/1	0.90	0.23	-	62,62,62,62	0
56	MG	1a	1838	1/1	1.00	0.09	-	34,34,34,34	0
56	MG	1A	3423	1/1	0.86	0.17	-	59,59,59,59	0
56	MG	2A	3017	1/1	0.89	0.19	-	66,66,66,66	0
56	MG	2A	3312	1/1	0.94	0.10	-	27,27,27,27	0
56	MG	1A	3100	1/1	0.99	0.19	-	34,34,34,34	0
56	MG	1A	3853	1/1	0.95	0.12	-	44,44,44,44	0
56	MG	1a	1743	1/1	0.97	0.08	-	73,73,73,73	0
56	MG	1A	3695	1/1	0.97	0.22	-	29,29,29,29	0
56	MG	16	101	1/1	0.97	0.15	-	42,42,42,42	0
56	MG	1B	201	1/1	0.94	0.25	-	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3463	1/1	0.87	0.13	-	57,57,57,57	0
56	MG	1A	3701	1/1	0.93	0.07	-	28,28,28,28	0
56	MG	1a	1679	1/1	0.95	0.16	-	54,54,54,54	0
56	MG	2A	3068	1/1	0.91	0.13	-	50,50,50,50	0
56	MG	2A	3414	1/1	0.98	0.31	-	67,67,67,67	0
56	MG	2A	3511	1/1	0.94	0.23	-	45,45,45,45	0
56	MG	2A	3450	1/1	0.92	0.19	-	52,52,52,52	0
56	MG	1A	3784	1/1	0.96	0.13	-	27,27,27,27	0
56	MG	1a	1624	1/1	0.92	0.34	-	64,64,64,64	0
56	MG	1A	3112	1/1	0.94	0.14	-	45,45,45,45	0
56	MG	1A	3051	1/1	0.95	0.31	-	47,47,47,47	0
56	MG	1A	3994	1/1	0.78	0.39	-	33,33,33,33	0
56	MG	1N	201	1/1	0.70	0.46	-	73,73,73,73	0
56	MG	1A	3212	1/1	0.92	0.07	-	50,50,50,50	0
56	MG	1A	3183	1/1	0.98	0.29	-	43,43,43,43	0
56	MG	2a	1804	1/1	0.95	0.28	-	60,60,60,60	0
56	MG	1A	3046	1/1	0.93	0.05	-	51,51,51,51	0
56	MG	1x	103	1/1	0.96	0.14	-	68,68,68,68	0
56	MG	2a	1681	1/1	0.95	0.16	-	53,53,53,53	0
56	MG	2D	306	1/1	0.94	0.14	-	55,55,55,55	0
56	MG	2A	3272	1/1	0.97	0.27	-	44,44,44,44	0
56	MG	1A	3020	1/1	0.97	0.25	-	47,47,47,47	0
56	MG	1a	1782	1/1	0.95	0.20	-	61,61,61,61	0
56	MG	2A	3155	1/1	0.98	0.14	-	33,33,33,33	0
56	MG	1A	3347	1/1	0.78	0.11	-	47,47,47,47	0
56	MG	2a	1614	1/1	0.74	0.42	-	55,55,55,55	0
56	MG	1A	3628	1/1	0.98	0.08	-	26,26,26,26	0
56	MG	1a	1857	1/1	0.95	0.32	-	47,47,47,47	0
56	MG	2A	3049	1/1	0.97	0.14	-	35,35,35,35	0
56	MG	1B	224	1/1	0.87	0.22	-	58,58,58,58	0
56	MG	1A	3599	1/1	0.94	0.12	-	47,47,47,47	0
56	MG	1F	301	1/1	0.97	0.23	-	36,36,36,36	0
56	MG	1A	3850	1/1	0.96	0.20	-	43,43,43,43	0
56	MG	1a	1883	1/1	0.96	0.20	-	47,47,47,47	0
56	MG	1A	3167	1/1	0.94	0.16	-	35,35,35,35	0
56	MG	2A	3059	1/1	0.79	0.29	-	64,64,64,64	0
56	MG	2A	3385	1/1	0.96	0.16	-	42,42,42,42	0
56	MG	10	103	1/1	0.88	0.26	-	59,59,59,59	0
56	MG	2a	1765	1/1	0.96	0.25	-	52,52,52,52	0
56	MG	1A	3400	1/1	0.74	0.30	-	69,69,69,69	0
56	MG	2a	1670	1/1	0.96	0.10	-	60,60,60,60	0
56	MG	1A	3075	1/1	0.94	0.59	-	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3418	1/1	0.95	0.20	-	56,56,56,56	0
56	MG	2a	1629	1/1	0.91	0.07	-	72,72,72,72	0
56	MG	2A	3507	1/1	0.96	0.29	-	63,63,63,63	0
56	MG	1A	3317	1/1	0.81	0.26	-	56,56,56,56	0
56	MG	2A	3268	1/1	0.87	0.30	-	75,75,75,75	0
56	MG	1A	3174	1/1	0.95	0.12	-	47,47,47,47	0
56	MG	2A	3003	1/1	0.96	0.11	-	44,44,44,44	0
56	MG	1E	304	1/1	0.95	0.14	-	44,44,44,44	0
56	MG	1A	3881	1/1	0.94	0.15	-	43,43,43,43	0
56	MG	1a	1901	1/1	0.73	0.25	-	65,65,65,65	0
56	MG	2a	1606	1/1	0.93	0.09	-	78,78,78,78	0
56	MG	1A	3409	1/1	0.75	0.38	-	51,51,51,51	0
56	MG	2A	3258	1/1	0.87	0.23	-	52,52,52,52	0
56	MG	1A	3421	1/1	0.95	0.11	-	52,52,52,52	0
56	MG	1A	3604	1/1	0.94	0.16	-	30,30,30,30	0
56	MG	1a	1819	1/1	0.69	0.40	-	59,59,59,59	0
56	MG	1A	3837	1/1	0.90	0.09	-	44,44,44,44	0
56	MG	1A	3068	1/1	0.97	0.04	-	53,53,53,53	0
56	MG	1A	3776	1/1	0.97	0.23	-	42,42,42,42	0
56	MG	2A	3465	1/1	0.98	0.34	-	52,52,52,52	0
56	MG	1a	1630	1/1	0.89	0.20	-	59,59,59,59	0
56	MG	2A	3011	1/1	0.97	0.48	-	50,50,50,50	0
56	MG	2A	3067	1/1	0.95	0.36	-	56,56,56,56	0
56	MG	2A	3094	1/1	0.75	0.23	-	45,45,45,45	0
56	MG	1A	3433	1/1	0.90	0.15	-	53,53,53,53	0
56	MG	1e	203	1/1	0.93	0.14	-	61,61,61,61	0
56	MG	1a	1612	1/1	0.83	0.15	-	58,58,58,58	0
56	MG	2A	3392	1/1	0.96	0.15	-	24,24,24,24	0
56	MG	2A	3342	1/1	0.92	0.34	-	56,56,56,56	0
56	MG	1A	3050	1/1	0.97	0.31	-	62,62,62,62	0
56	MG	2A	3114	1/1	0.92	0.29	-	45,45,45,45	0
56	MG	1A	3544	1/1	0.90	0.60	-	67,67,67,67	0
56	MG	2A	3142	1/1	0.90	0.55	-	53,53,53,53	0
56	MG	1A	3536	1/1	0.96	0.12	-	45,45,45,45	0
56	MG	28	8001	1/1	0.85	0.41	-	58,58,58,58	0
56	MG	2a	1781	1/1	0.96	0.46	-	68,68,68,68	0
56	MG	1A	3374	1/1	0.94	0.14	-	48,48,48,48	0
56	MG	2A	3077	1/1	0.90	0.26	-	54,54,54,54	0
56	MG	1A	3189	1/1	0.90	0.23	-	37,37,37,37	0
56	MG	1A	3153	1/1	0.98	0.21	-	36,36,36,36	0
56	MG	1A	4016	1/1	0.97	0.17	-	26,26,26,26	0
56	MG	1A	3468	1/1	0.87	0.53	-	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	1A	3821	1/1	0.92	0.17	-	59,59,59,59	0
56	MG	1U	201	1/1	0.98	0.11	-	33,33,33,33	0
56	MG	1A	3053	1/1	0.93	0.61	-	41,41,41,41	0
56	MG	1B	216	1/1	0.96	0.16	-	33,33,33,33	0
56	MG	2A	3171	1/1	0.97	0.20	-	40,40,40,40	0
56	MG	1A	3989	1/1	0.98	0.14	-	38,38,38,38	0
56	MG	2A	3335	1/1	0.94	0.14	-	38,38,38,38	0
56	MG	1a	1705	1/1	0.97	0.15	-	38,38,38,38	0
56	MG	2a	1777	1/1	0.97	0.09	-	66,66,66,66	0
56	MG	2A	3213	1/1	0.92	0.15	-	53,53,53,53	0
56	MG	1A	3474	1/1	0.91	0.11	-	49,49,49,49	0
56	MG	1A	3691	1/1	0.96	0.11	-	8,8,8,8	0
56	MG	1A	3960	1/1	0.95	0.20	-	47,47,47,47	0
56	MG	1A	3678	1/1	0.96	0.28	-	44,44,44,44	0
56	MG	1A	3334	1/1	0.97	0.30	-	37,37,37,37	0
56	MG	2A	3211	1/1	0.95	0.09	-	58,58,58,58	0
56	MG	2A	3331	1/1	0.90	0.23	-	58,58,58,58	0
56	MG	1a	1752	1/1	0.94	0.53	-	60,60,60,60	0
56	MG	1a	1840	1/1	0.93	0.26	-	57,57,57,57	0
56	MG	2A	3098	1/1	0.87	0.25	-	50,50,50,50	0
56	MG	1A	4086	1/1	0.90	0.12	-	51,51,51,51	0
56	MG	1a	1847	1/1	0.86	0.18	-	45,45,45,45	0
56	MG	1A	3479	1/1	0.78	0.34	-	75,75,75,75	0
56	MG	1A	3413	1/1	0.94	0.27	-	53,53,53,53	0
56	MG	1A	3398	1/1	0.84	0.48	-	58,58,58,58	0
56	MG	1A	3162	1/1	0.97	0.45	-	35,35,35,35	0
56	MG	1A	3095	1/1	0.88	0.13	-	60,60,60,60	0
56	MG	2a	1619	1/1	0.94	0.21	-	53,53,53,53	0
56	MG	1A	3796	1/1	0.88	0.23	-	59,59,59,59	0
56	MG	1A	3605	1/1	0.98	0.09	-	42,42,42,42	0
56	MG	1r	103	1/1	0.90	0.12	-	51,51,51,51	0
56	MG	1A	3338	1/1	0.96	0.17	-	61,61,61,61	0
56	MG	2A	3027	1/1	0.96	0.18	-	53,53,53,53	0
56	MG	1a	1617	1/1	0.86	0.19	-	60,60,60,60	0
56	MG	1A	3758	1/1	0.95	0.12	-	28,28,28,28	0
56	MG	2A	3436	1/1	0.99	0.17	-	32,32,32,32	0
56	MG	1A	3206	1/1	0.93	0.17	-	37,37,37,37	0
56	MG	1a	1848	1/1	0.97	0.13	-	45,45,45,45	0
56	MG	1a	1873	1/1	0.97	0.17	-	52,52,52,52	0
56	MG	1A	3339	1/1	0.88	0.19	-	73,73,73,73	0
56	MG	1x	106	1/1	0.92	0.17	-	46,46,46,46	0
56	MG	2a	1714	1/1	0.89	0.18	-	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	18	102	1/1	0.87	0.39	-	48,48,48,48	0
56	MG	1A	3706	1/1	0.92	0.34	-	68,68,68,68	0
56	MG	1A	3109	1/1	0.87	0.11	-	60,60,60,60	0
56	MG	1A	3923	1/1	0.92	0.17	-	46,46,46,46	0
56	MG	2A	3195	1/1	0.97	0.31	-	38,38,38,38	0
56	MG	2A	3415	1/1	0.98	0.19	-	47,47,47,47	0
56	MG	1A	4010	1/1	0.96	0.16	-	37,37,37,37	0
56	MG	1A	3725	1/1	0.97	0.14	-	56,56,56,56	0
56	MG	1A	3550	1/1	0.75	0.21	-	81,81,81,81	0
56	MG	1a	1907	1/1	0.94	0.23	-	37,37,37,37	0
56	MG	1A	3284	1/1	0.96	0.35	-	41,41,41,41	0
56	MG	2A	3144	1/1	0.96	0.07	-	43,43,43,43	0
56	MG	2a	1750	1/1	0.92	0.38	-	54,54,54,54	0
56	MG	1A	3055	1/1	0.88	0.31	-	41,41,41,41	0
56	MG	1u	8001	1/1	0.92	0.21	-	69,69,69,69	0
56	MG	1a	1845	1/1	0.93	0.07	-	70,70,70,70	0
56	MG	2A	3224	1/1	0.93	0.11	-	37,37,37,37	0
56	MG	1A	3257	1/1	0.93	0.34	-	55,55,55,55	0
56	MG	1a	1637	1/1	0.93	0.14	-	51,51,51,51	0
56	MG	1A	3465	1/1	0.90	0.15	-	49,49,49,49	0
56	MG	1a	1735	1/1	0.96	0.37	-	43,43,43,43	0
56	MG	1W	3002	1/1	0.94	0.24	-	40,40,40,40	0
56	MG	1a	1641	1/1	0.92	0.81	-	64,64,64,64	0
56	MG	1A	3361	1/1	0.96	0.36	-	53,53,53,53	0
56	MG	1A	3629	1/1	0.97	0.17	-	40,40,40,40	0
56	MG	2A	3125	1/1	0.87	0.39	-	55,55,55,55	0
56	MG	1A	3039	1/1	0.90	0.17	-	51,51,51,51	0
56	MG	1a	1906	1/1	0.93	0.07	-	75,75,75,75	0
56	MG	1A	3436	1/1	0.82	0.33	-	66,66,66,66	0
56	MG	1A	3331	1/1	0.96	0.10	-	39,39,39,39	0
56	MG	2A	3410	1/1	0.93	0.12	-	56,56,56,56	0
56	MG	1A	3024	1/1	0.95	0.11	-	48,48,48,48	0
56	MG	1A	3396	1/1	0.96	0.17	-	39,39,39,39	0
56	MG	1A	3430	1/1	0.85	0.26	-	58,58,58,58	0
56	MG	1A	3210	1/1	0.98	0.14	-	45,45,45,45	0
56	MG	2A	3166	1/1	0.97	0.14	-	40,40,40,40	0
56	MG	2A	3228	1/1	0.91	0.19	-	52,52,52,52	0
56	MG	1a	1853	1/1	0.98	0.08	-	31,31,31,31	0
56	MG	2a	1638	1/1	0.88	0.21	-	59,59,59,59	0
56	MG	1A	3816	1/1	0.93	0.17	-	56,56,56,56	0
56	MG	1A	3353	1/1	0.76	0.62	-	63,63,63,63	0
56	MG	2a	1603	1/1	0.95	0.29	-	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	3208	1/1	0.95	0.18	-	43,43,43,43	0
56	MG	1a	1806	1/1	0.88	0.17	-	79,79,79,79	0
56	MG	1o	3001	1/1	0.94	0.08	-	64,64,64,64	0
56	MG	2A	3452	1/1	0.78	0.44	-	69,69,69,69	0
56	MG	1a	1832	1/1	0.95	0.15	-	65,65,65,65	0
56	MG	1A	3908	1/1	0.97	0.16	-	49,49,49,49	0
56	MG	1a	1631	1/1	0.94	0.40	-	45,45,45,45	0
56	MG	2A	3280	1/1	0.93	0.11	-	46,46,46,46	0
56	MG	1A	3243	1/1	0.97	0.25	-	51,51,51,51	0
56	MG	2a	1742	1/1	0.92	0.28	-	71,71,71,71	0
56	MG	1A	3395	1/1	0.90	0.10	-	61,61,61,61	0
56	MG	1A	4008	1/1	0.91	0.23	-	68,68,68,68	0
56	MG	1A	3765	1/1	0.96	0.06	-	36,36,36,36	0
56	MG	1A	3490	1/1	0.85	0.38	-	56,56,56,56	0
56	MG	2A	3416	1/1	0.95	0.09	-	50,50,50,50	0
56	MG	2a	1717	1/1	0.88	0.22	-	57,57,57,57	0
56	MG	2A	3254	1/1	0.95	0.18	-	55,55,55,55	0
56	MG	1A	3693	1/1	0.92	0.12	-	25,25,25,25	0
56	MG	1A	3917	1/1	0.98	0.13	-	58,58,58,58	0
56	MG	2a	1755	1/1	0.89	0.14	-	82,82,82,82	0
56	MG	2A	3494	1/1	0.91	0.24	-	54,54,54,54	0
56	MG	1A	4033	1/1	0.91	0.12	-	71,71,71,71	0
56	MG	1A	3089	1/1	0.91	0.17	-	50,50,50,50	0
56	MG	1A	3169	1/1	0.89	0.33	-	48,48,48,48	0
56	MG	15	104	1/1	0.90	0.26	-	54,54,54,54	0
56	MG	1a	1861	1/1	0.90	0.13	-	48,48,48,48	0
56	MG	1A	3615	1/1	0.98	0.17	-	16,16,16,16	0
56	MG	2A	3122	1/1	0.92	0.08	-	54,54,54,54	0
56	MG	1A	3250	1/1	0.98	0.13	-	52,52,52,52	0
56	MG	1A	3248	1/1	0.89	0.17	-	42,42,42,42	0
56	MG	1A	3875	1/1	0.97	0.13	-	19,19,19,19	0
56	MG	2F	301	1/1	0.96	0.12	-	39,39,39,39	0
56	MG	2A	3209	1/1	0.93	0.21	-	49,49,49,49	0
56	MG	1A	3370	1/1	0.95	0.15	-	43,43,43,43	0
56	MG	2A	3101	1/1	0.98	0.15	-	52,52,52,52	0
56	MG	16	103	1/1	0.86	0.13	-	36,36,36,36	0
56	MG	2A	3403	1/1	0.98	0.33	-	53,53,53,53	0
56	MG	1A	3504	1/1	0.96	0.13	-	64,64,64,64	0
56	MG	1A	3621	1/1	0.91	0.13	-	79,79,79,79	0
56	MG	1x	109	1/1	0.99	0.05	-	78,78,78,78	0
56	MG	1A	3285	1/1	0.95	0.14	-	47,47,47,47	0
56	MG	2A	3433	1/1	0.94	0.13	-	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	1A	3343	1/1	0.81	0.17	-	54,54,54,54	0
56	MG	1A	3105	1/1	0.87	0.13	-	43,43,43,43	0
56	MG	2a	1705	1/1	0.93	0.28	-	68,68,68,68	0
56	MG	1a	1646	1/1	0.80	0.30	-	60,60,60,60	0
56	MG	1A	4015	1/1	0.93	0.10	-	29,29,29,29	0
56	MG	1T	206	1/1	0.94	0.22	-	69,69,69,69	0
56	MG	1A	3383	1/1	0.94	0.20	-	43,43,43,43	0
56	MG	1a	1701	1/1	0.94	0.13	-	60,60,60,60	0
56	MG	2D	304	1/1	0.95	0.18	-	27,27,27,27	0
56	MG	1a	1897	1/1	0.93	0.42	-	53,53,53,53	0
56	MG	1a	1816	1/1	0.95	0.07	-	56,56,56,56	0
56	MG	2A	3397	1/1	0.96	0.26	-	27,27,27,27	0
56	MG	2A	3092	1/1	0.90	0.20	-	52,52,52,52	0
56	MG	2a	1766	1/1	0.82	0.21	-	83,83,83,83	0
56	MG	1A	4082	1/1	0.91	0.16	-	44,44,44,44	0
56	MG	1A	3503	1/1	0.92	0.13	-	56,56,56,56	0
56	MG	2N	8001	1/1	0.93	0.18	-	56,56,56,56	0
56	MG	1A	3546	1/1	0.97	0.18	-	62,62,62,62	0
56	MG	2a	1601	1/1	0.91	0.39	-	54,54,54,54	0
56	MG	1A	3940	1/1	0.92	0.14	-	48,48,48,48	0
56	MG	1A	3858	1/1	0.94	0.23	-	44,44,44,44	0
56	MG	1A	4027	1/1	0.94	0.15	-	50,50,50,50	0
56	MG	2A	3460	1/1	0.97	0.24	-	44,44,44,44	0
56	MG	1A	3455	1/1	0.90	0.11	-	59,59,59,59	0
56	MG	1A	3228	1/1	0.94	0.29	-	33,33,33,33	0
56	MG	1A	3040	1/1	0.96	0.22	-	34,34,34,34	0
56	MG	2A	3302	1/1	0.97	0.19	-	48,48,48,48	0
56	MG	1a	1849	1/1	0.96	0.06	-	59,59,59,59	0
56	MG	1A	3404	1/1	0.98	0.13	-	38,38,38,38	0
56	MG	1A	3019	1/1	0.94	0.28	-	46,46,46,46	0
56	MG	1A	3012	1/1	0.95	0.36	-	46,46,46,46	0
56	MG	2a	1608	1/1	0.93	0.09	-	67,67,67,67	0
56	MG	1A	3819	1/1	0.95	0.14	-	80,80,80,80	0
56	MG	2A	3464	1/1	0.85	0.29	-	59,59,59,59	0
56	MG	2a	1735	1/1	0.93	0.15	-	51,51,51,51	0
56	MG	2A	3527	1/1	0.97	0.16	-	37,37,37,37	0
56	MG	1A	3449	1/1	0.95	0.29	-	54,54,54,54	0
56	MG	1A	3700	1/1	0.79	0.13	-	31,31,31,31	0
56	MG	1A	3426	1/1	0.99	0.17	-	56,56,56,56	0
56	MG	1A	3267	1/1	0.96	0.50	-	51,51,51,51	0
56	MG	1A	3851	1/1	0.97	0.28	-	52,52,52,52	0
56	MG	2A	3033	1/1	0.95	0.10	-	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3951	1/1	0.92	0.14	-	40,40,40,40	0
56	MG	1A	3093	1/1	0.97	0.31	-	54,54,54,54	0
56	MG	2a	1637	1/1	0.96	0.22	-	71,71,71,71	0
56	MG	2a	1615	1/1	0.99	0.10	-	56,56,56,56	0
56	MG	1a	1616	1/1	0.83	0.24	-	63,63,63,63	0
56	MG	20	8001	1/1	0.75	0.22	-	67,67,67,67	0
56	MG	1A	4009	1/1	0.95	0.19	-	40,40,40,40	0
56	MG	1A	3535	1/1	0.92	0.22	-	57,57,57,57	0
56	MG	2a	1796	1/1	0.87	0.15	-	73,73,73,73	0
56	MG	2A	3373	1/1	0.91	0.13	-	41,41,41,41	0
56	MG	1B	207	1/1	0.97	0.11	-	43,43,43,43	0
56	MG	2A	3235	1/1	0.98	0.37	-	54,54,54,54	0
56	MG	1A	3121	1/1	0.95	0.14	-	30,30,30,30	0
56	MG	1A	3827	1/1	0.93	0.24	-	44,44,44,44	0
56	MG	2A	3198	1/1	0.95	0.16	-	51,51,51,51	0
56	MG	1A	3515	1/1	0.97	0.10	-	57,57,57,57	0
56	MG	1A	3204	1/1	0.99	0.19	-	36,36,36,36	0
56	MG	1A	3415	1/1	0.88	0.33	-	58,58,58,58	0
56	MG	1A	3562	1/1	0.90	0.11	-	63,63,63,63	0
56	MG	1h	3002	1/1	0.97	0.09	-	63,63,63,63	0
56	MG	1A	3497	1/1	0.98	0.14	-	36,36,36,36	0
56	MG	2A	3488	1/1	0.95	0.16	-	57,57,57,57	0
56	MG	2A	3147	1/1	0.90	0.17	-	33,33,33,33	0
56	MG	1A	3522	1/1	0.90	0.10	-	73,73,73,73	0
56	MG	1A	3033	1/1	0.96	0.13	-	39,39,39,39	0
56	MG	1A	3084	1/1	0.93	0.26	-	32,32,32,32	0
56	MG	1A	3221	1/1	0.95	0.12	-	36,36,36,36	0
56	MG	1A	3529	1/1	0.88	0.13	-	46,46,46,46	0
56	MG	2A	3063	1/1	0.95	0.31	-	47,47,47,47	0
56	MG	1A	3359	1/1	0.82	0.31	-	43,43,43,43	0
56	MG	1A	3322	1/1	0.83	0.23	-	55,55,55,55	0
56	MG	2a	1610	1/1	0.91	0.25	-	60,60,60,60	0
56	MG	1a	1619	1/1	0.94	0.15	-	82,82,82,82	0
56	MG	1A	3170	1/1	0.95	0.23	-	23,23,23,23	0
56	MG	1a	1821	1/1	0.96	0.10	-	64,64,64,64	0
56	MG	1F	305	1/1	0.94	0.18	-	48,48,48,48	0
56	MG	1A	3066	1/1	0.94	0.09	-	56,56,56,56	0
56	MG	1a	1798	1/1	0.94	0.13	-	52,52,52,52	0
56	MG	1A	3967	1/1	0.82	0.14	-	51,51,51,51	0
56	MG	2a	1767	1/1	0.97	0.06	-	57,57,57,57	0
56	MG	1A	3191	1/1	0.96	0.23	-	37,37,37,37	0
56	MG	1A	3453	1/1	0.95	0.09	-	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	3724	1/1	0.96	0.08	-	50,50,50,50	0
56	MG	1a	1645	1/1	0.94	0.07	-	59,59,59,59	0
56	MG	1A	3495	1/1	0.83	0.15	-	61,61,61,61	0
56	MG	2a	1761	1/1	0.95	0.04	-	45,45,45,45	0
56	MG	1a	1864	1/1	0.94	0.30	-	61,61,61,61	0
56	MG	1A	3083	1/1	0.90	0.29	-	48,48,48,48	0
56	MG	2A	3263	1/1	0.98	0.29	-	41,41,41,41	0
56	MG	2A	3319	1/1	0.91	0.13	-	55,55,55,55	0
56	MG	1A	3878	1/1	0.98	0.08	-	20,20,20,20	0
56	MG	1B	206	1/1	0.93	0.21	-	38,38,38,38	0
56	MG	1A	3852	1/1	0.96	0.14	-	41,41,41,41	0
56	MG	2Q	3001	1/1	0.93	0.35	-	39,39,39,39	0
56	MG	2A	3200	1/1	0.84	0.21	-	41,41,41,41	0
56	MG	1A	3626	1/1	0.92	0.21	-	27,27,27,27	0
56	MG	1A	3184	1/1	0.97	0.29	-	35,35,35,35	0
56	MG	2A	3054	1/1	0.92	0.15	-	44,44,44,44	0
56	MG	1A	3048	1/1	0.94	0.33	-	43,43,43,43	0
56	MG	1A	3711	1/1	0.96	0.24	-	63,63,63,63	0
56	MG	1B	225	1/1	0.95	0.09	-	51,51,51,51	0
56	MG	1a	1822	1/1	0.85	0.18	-	76,76,76,76	0
56	MG	2a	1707	1/1	0.97	0.10	-	58,58,58,58	0
56	MG	2A	3446	1/1	0.95	0.13	-	52,52,52,52	0
56	MG	2A	3008	1/1	0.96	0.18	-	58,58,58,58	0
56	MG	1A	3182	1/1	0.95	0.18	-	33,33,33,33	0
56	MG	1a	1834	1/1	0.92	0.27	-	48,48,48,48	0
56	MG	1a	1763	1/1	0.85	0.12	-	57,57,57,57	0
56	MG	1A	3355	1/1	0.93	0.11	-	54,54,54,54	0
56	MG	2a	1660	1/1	0.94	0.07	-	62,62,62,62	0
56	MG	1A	3870	1/1	0.97	0.10	-	47,47,47,47	0
56	MG	2a	1776	1/1	0.94	0.18	-	54,54,54,54	0
56	MG	2A	3294	1/1	0.88	0.21	-	41,41,41,41	0
56	MG	1a	1755	1/1	0.79	0.20	-	68,68,68,68	0
56	MG	1A	3017	1/1	0.96	0.54	-	53,53,53,53	0
56	MG	1a	1669	1/1	0.91	0.17	-	45,45,45,45	0
56	MG	1A	3274	1/1	0.80	0.15	-	57,57,57,57	0
56	MG	1A	3846	1/1	0.96	0.13	-	21,21,21,21	0
56	MG	1A	3194	1/1	0.88	0.29	-	50,50,50,50	0
56	MG	1A	3371	1/1	0.92	0.26	-	46,46,46,46	0
56	MG	1A	3828	1/1	0.87	0.19	-	22,22,22,22	0
56	MG	1A	3966	1/1	0.98	0.14	-	56,56,56,56	0
56	MG	1A	3638	1/1	0.97	0.16	-	56,56,56,56	0
56	MG	1a	1653	1/1	0.91	0.15	-	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	1a	1722	1/1	0.95	0.14	-	65,65,65,65	0
56	MG	1B	218	1/1	0.98	0.12	-	43,43,43,43	0
56	MG	1A	3438	1/1	0.92	0.21	-	54,54,54,54	0
56	MG	2a	1718	1/1	0.91	0.40	-	53,53,53,53	0
56	MG	1a	1779	1/1	0.85	0.18	-	47,47,47,47	0
56	MG	2A	3376	1/1	0.99	0.19	-	48,48,48,48	0
56	MG	1Z	301	1/1	0.93	0.16	-	44,44,44,44	0
56	MG	1A	3689	1/1	0.81	0.16	-	34,34,34,34	0
56	MG	1a	1710	1/1	0.80	0.13	-	59,59,59,59	0
56	MG	1A	4096	1/1	0.98	0.29	-	69,69,69,69	0
56	MG	1A	3435	1/1	0.81	0.17	-	71,71,71,71	0
56	MG	1A	3813	1/1	0.95	0.14	-	37,37,37,37	0
56	MG	2A	3103	1/1	0.96	0.24	-	50,50,50,50	0
56	MG	1a	1611	1/1	0.94	0.07	-	76,76,76,76	0
56	MG	1a	1859	1/1	0.86	0.21	-	65,65,65,65	0
56	MG	1A	3736	1/1	0.96	0.17	-	34,34,34,34	0
56	MG	1A	3814	1/1	0.98	0.16	-	35,35,35,35	0
56	MG	1A	3890	1/1	0.90	0.21	-	63,63,63,63	0
56	MG	2A	3357	1/1	0.98	0.10	-	55,55,55,55	0
56	MG	1A	4034	1/1	0.93	0.13	-	50,50,50,50	0
56	MG	1A	3564	1/1	0.75	0.11	-	72,72,72,72	0
56	MG	2A	3431	1/1	0.97	0.05	-	59,59,59,59	0
56	MG	2a	1609	1/1	0.98	0.38	-	60,60,60,60	0
56	MG	1A	3216	1/1	0.88	0.17	-	41,41,41,41	0
56	MG	17	102	1/1	0.89	0.21	-	40,40,40,40	0
56	MG	2A	3348	1/1	0.93	0.14	-	49,49,49,49	0
56	MG	2a	1605	1/1	0.84	0.15	-	66,66,66,66	0
56	MG	1a	1884	1/1	0.97	0.12	-	44,44,44,44	0
56	MG	2A	3078	1/1	0.96	0.19	-	51,51,51,51	0
56	MG	1a	1855	1/1	0.93	0.31	-	58,58,58,58	0
56	MG	1A	3483	1/1	0.87	0.27	-	75,75,75,75	0
56	MG	1A	3011	1/1	0.92	0.20	-	49,49,49,49	0
56	MG	1A	3970	1/1	0.96	0.14	-	28,28,28,28	0
56	MG	11	102	1/1	0.93	0.14	-	58,58,58,58	0
56	MG	1A	3292	1/1	0.78	0.27	-	76,76,76,76	0
56	MG	1A	3081	1/1	0.95	0.13	-	57,57,57,57	0
56	MG	1A	3323	1/1	0.96	0.11	-	40,40,40,40	0
56	MG	1A	3514	1/1	0.96	0.36	-	46,46,46,46	0
56	MG	1a	1738	1/1	0.93	0.21	-	53,53,53,53	0
56	MG	1a	1835	1/1	0.98	0.14	-	54,54,54,54	0
56	MG	1A	3780	1/1	0.92	0.21	-	23,23,23,23	0
56	MG	2A	3308	1/1	0.96	0.13	-	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	3774	1/1	0.94	0.14	-	63,63,63,63	0
56	MG	1A	3090	1/1	0.96	0.08	-	36,36,36,36	0
56	MG	2A	3535	1/1	0.76	0.11	-	51,51,51,51	0
56	MG	2A	3543	1/1	0.97	0.06	-	47,47,47,47	0
56	MG	2a	1811	1/1	0.88	0.16	-	66,66,66,66	0
56	MG	1A	3664	1/1	0.95	0.12	-	37,37,37,37	0
56	MG	1A	3180	1/1	0.86	0.17	-	39,39,39,39	0
56	MG	2A	3239	1/1	0.95	0.12	-	59,59,59,59	0
56	MG	1A	3785	1/1	0.97	0.12	-	21,21,21,21	0
56	MG	1A	3906	1/1	0.95	0.06	-	67,67,67,67	0
56	MG	1B	202	1/1	0.96	0.14	-	56,56,56,56	0
56	MG	1A	3624	1/1	0.84	0.12	-	50,50,50,50	0
56	MG	1A	3577	1/1	0.86	0.18	-	32,32,32,32	0
56	MG	1a	1889	1/1	0.73	0.22	-	68,68,68,68	0
56	MG	2a	1692	1/1	0.97	0.08	-	67,67,67,67	0
56	MG	1A	3397	1/1	0.91	0.15	-	46,46,46,46	0
56	MG	1A	3466	1/1	0.92	0.27	-	57,57,57,57	0
56	MG	2A	3461	1/1	0.96	0.23	-	64,64,64,64	0
56	MG	1A	3261	1/1	0.88	0.17	-	43,43,43,43	0
56	MG	2A	3165	1/1	0.89	0.10	-	35,35,35,35	0
56	MG	1A	3687	1/1	0.87	0.23	-	53,53,53,53	0
56	MG	1A	3230	1/1	0.94	0.18	-	28,28,28,28	0
56	MG	2A	3181	1/1	0.93	0.21	-	38,38,38,38	0
56	MG	2A	3519	1/1	0.93	0.15	-	44,44,44,44	0
56	MG	1a	1650	1/1	0.98	0.14	-	42,42,42,42	0
56	MG	1A	3794	1/1	0.95	0.06	-	57,57,57,57	0
56	MG	1A	3175	1/1	0.96	0.17	-	21,21,21,21	0
56	MG	2a	1762	1/1	0.96	0.08	-	70,70,70,70	0
56	MG	1Y	201	1/1	0.93	0.29	-	39,39,39,39	0
56	MG	1A	3445	1/1	0.98	0.17	-	55,55,55,55	0
56	MG	2a	1744	1/1	0.89	0.30	-	63,63,63,63	0
56	MG	2a	1662	1/1	0.88	0.09	-	83,83,83,83	0
56	MG	2A	3029	1/1	0.81	0.30	-	54,54,54,54	0
56	MG	2A	3291	1/1	0.69	0.13	-	48,48,48,48	0
56	MG	1A	3406	1/1	0.93	0.14	-	49,49,49,49	0
56	MG	1q	3304	1/1	0.95	0.15	-	47,47,47,47	0
56	MG	2A	3139	1/1	0.96	0.16	-	40,40,40,40	0
56	MG	2A	3536	1/1	0.94	0.18	-	37,37,37,37	0
56	MG	2a	1664	1/1	0.95	0.37	-	51,51,51,51	0
56	MG	1A	4032	1/1	0.96	0.08	-	35,35,35,35	0
56	MG	1A	3181	1/1	0.97	0.08	-	41,41,41,41	0
56	MG	1A	3805	1/1	0.95	0.18	-	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	3549	1/1	0.87	0.27	-	64,64,64,64	0
56	MG	1A	3501	1/1	0.82	0.34	-	66,66,66,66	0
56	MG	1A	3290	1/1	0.89	0.14	-	55,55,55,55	0
56	MG	1A	3541	1/1	0.97	0.11	-	44,44,44,44	0
56	MG	2A	3150	1/1	0.97	0.24	-	39,39,39,39	0
56	MG	1A	3844	1/1	0.91	0.14	-	56,56,56,56	0
56	MG	1A	3779	1/1	0.90	0.19	-	36,36,36,36	0
56	MG	1A	3211	1/1	0.94	0.15	-	43,43,43,43	0
56	MG	1a	1688	1/1	0.84	0.13	-	72,72,72,72	0
56	MG	1A	4040	1/1	0.93	0.15	-	51,51,51,51	0
56	MG	1A	3995	1/1	0.94	0.23	-	16,16,16,16	0
56	MG	1A	3964	1/1	0.93	0.18	-	20,20,20,20	0
56	MG	1A	3723	1/1	0.95	0.14	-	51,51,51,51	0
56	MG	1A	3014	1/1	0.93	0.31	-	46,46,46,46	0
56	MG	2A	3084	1/1	0.82	0.24	-	39,39,39,39	0
56	MG	1A	3201	1/1	0.94	0.18	-	49,49,49,49	0
56	MG	1A	3114	1/1	0.95	0.13	-	36,36,36,36	0
56	MG	1A	3616	1/1	0.98	0.17	-	32,32,32,32	0
56	MG	2A	3325	1/1	0.96	0.20	-	70,70,70,70	0
56	MG	2a	1764	1/1	0.90	0.30	-	52,52,52,52	0
56	MG	2A	3428	1/1	0.95	0.32	-	58,58,58,58	0
56	MG	2x	3001	1/1	0.97	0.09	-	57,57,57,57	0
56	MG	2a	1721	1/1	0.86	0.12	-	49,49,49,49	0
56	MG	1A	3171	1/1	0.94	0.09	-	45,45,45,45	0
56	MG	2A	3169	1/1	0.93	0.34	-	54,54,54,54	0
56	MG	1A	3903	1/1	0.93	0.27	-	50,50,50,50	0
56	MG	2a	1791	1/1	0.93	0.36	-	71,71,71,71	0
56	MG	2A	3134	1/1	0.94	0.12	-	40,40,40,40	0
56	MG	2A	3273	1/1	0.93	0.10	-	70,70,70,70	0
56	MG	1A	3004	1/1	0.96	0.10	-	49,49,49,49	0
56	MG	1A	3385	1/1	0.75	0.51	-	56,56,56,56	0
56	MG	1A	3953	1/1	0.94	0.20	-	44,44,44,44	0
56	MG	2A	3420	1/1	0.95	0.10	-	54,54,54,54	0
56	MG	2A	3541	1/1	0.95	0.22	-	31,31,31,31	0
56	MG	1A	3357	1/1	0.97	0.06	-	54,54,54,54	0
56	MG	1A	3567	1/1	0.92	0.25	-	47,47,47,47	0
56	MG	1A	3786	1/1	0.99	0.13	-	31,31,31,31	0
56	MG	1A	4049	1/1	0.96	0.36	-	18,18,18,18	0
56	MG	1a	1677	1/1	0.97	0.27	-	45,45,45,45	0
56	MG	1A	3480	1/1	0.94	0.18	-	47,47,47,47	0
56	MG	1A	3428	1/1	0.96	0.11	-	36,36,36,36	0
56	MG	1A	3859	1/1	0.98	0.26	-	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	3237	1/1	0.94	0.11	-	27,27,27,27	0
56	MG	2a	1679	1/1	0.97	0.23	-	52,52,52,52	0
56	MG	2A	3375	1/1	0.97	0.09	-	57,57,57,57	0
56	MG	1A	3195	1/1	0.97	0.24	-	38,38,38,38	0
56	MG	1a	1802	1/1	0.94	0.14	-	56,56,56,56	0
56	MG	1A	3767	1/1	0.93	0.15	-	71,71,71,71	0
56	MG	2A	3050	1/1	0.89	0.33	-	47,47,47,47	0
56	MG	1A	3238	1/1	0.94	0.09	-	63,63,63,63	0
56	MG	2A	3042	1/1	0.95	0.23	-	50,50,50,50	0
56	MG	1A	3311	1/1	0.91	0.13	-	67,67,67,67	0
56	MG	1A	4007	1/1	0.96	0.13	-	68,68,68,68	0
56	MG	2a	1814	1/1	0.88	0.13	-	79,79,79,79	0
56	MG	2A	3439	1/1	0.85	0.10	-	65,65,65,65	0
56	MG	2A	3172	1/1	0.91	0.45	-	58,58,58,58	0
56	MG	1A	3517	1/1	0.97	0.06	-	55,55,55,55	0
56	MG	1A	3209	1/1	0.97	0.15	-	45,45,45,45	0
56	MG	2a	1613	1/1	0.91	0.49	-	63,63,63,63	0
56	MG	1A	3028	1/1	0.87	0.29	-	52,52,52,52	0
56	MG	19	101	1/1	0.94	0.21	-	55,55,55,55	0
56	MG	2a	1675	1/1	0.98	0.13	-	59,59,59,59	0
56	MG	2a	1731	1/1	0.94	0.12	-	68,68,68,68	0
56	MG	17	106	1/1	0.78	0.16	-	40,40,40,40	0
56	MG	1A	3644	1/1	0.95	0.12	-	60,60,60,60	0
56	MG	1A	3938	1/1	0.92	0.13	-	34,34,34,34	0
56	MG	1A	3056	1/1	0.98	0.29	-	57,57,57,57	0
56	MG	2A	3032	1/1	0.87	0.26	-	59,59,59,59	0
56	MG	2A	3445	1/1	0.90	0.18	-	56,56,56,56	0
56	MG	1a	1825	1/1	0.94	0.16	-	64,64,64,64	0
56	MG	1A	3254	1/1	0.95	0.28	-	29,29,29,29	0
56	MG	1A	3914	1/1	0.90	0.20	-	51,51,51,51	0
56	MG	1A	3777	1/1	0.90	0.15	-	41,41,41,41	0
56	MG	1A	3900	1/1	0.93	0.25	-	49,49,49,49	0
56	MG	2A	3070	1/1	0.94	0.14	-	53,53,53,53	0
56	MG	1E	305	1/1	0.85	0.36	-	45,45,45,45	0
56	MG	2B	3010	1/1	0.98	0.21	-	55,55,55,55	0
56	MG	2A	3509	1/1	0.95	0.18	-	44,44,44,44	0
56	MG	1A	4052	1/1	0.95	0.43	-	43,43,43,43	0
56	MG	2A	3487	1/1	0.82	0.10	-	67,67,67,67	0
56	MG	1A	3559	1/1	0.97	0.20	-	47,47,47,47	0
56	MG	1A	3072	1/1	0.90	0.29	-	44,44,44,44	0
56	MG	1A	3984	1/1	0.98	0.14	-	51,51,51,51	0
56	MG	1A	3378	1/1	0.87	0.24	-	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3528	1/1	0.95	0.21	-	64,64,64,64	0
56	MG	2A	3253	1/1	0.90	0.27	-	29,29,29,29	0
56	MG	2A	3262	1/1	0.97	0.13	-	35,35,35,35	0
56	MG	1a	1762	1/1	0.96	0.13	-	59,59,59,59	0
56	MG	1A	3627	1/1	0.95	0.15	-	50,50,50,50	0
56	MG	1A	3337	1/1	0.97	0.07	-	39,39,39,39	0
56	MG	1a	1865	1/1	0.94	0.10	-	55,55,55,55	0
56	MG	1A	4030	1/1	0.76	0.31	-	77,77,77,77	0
56	MG	1a	1820	1/1	0.83	0.30	-	50,50,50,50	0
56	MG	1A	3372	1/1	0.93	0.19	-	52,52,52,52	0
56	MG	1A	3431	1/1	0.81	0.19	-	64,64,64,64	0
56	MG	2A	3215	1/1	0.96	0.14	-	43,43,43,43	0
56	MG	1A	3111	1/1	0.96	0.18	-	35,35,35,35	0
56	MG	1A	3924	1/1	0.91	0.21	-	23,23,23,23	0
56	MG	1A	4065	1/1	0.86	0.15	-	42,42,42,42	0
56	MG	2a	1756	1/1	0.99	0.18	-	47,47,47,47	0
56	MG	1a	1633	1/1	0.97	0.26	-	51,51,51,51	0
56	MG	1A	3942	1/1	0.26	0.17	-	53,53,53,53	0
56	MG	2a	1768	1/1	0.91	0.25	-	70,70,70,70	0
56	MG	2A	3115	1/1	0.89	0.25	-	49,49,49,49	0
56	MG	1a	1895	1/1	0.88	0.28	-	47,47,47,47	0
56	MG	1A	3874	1/1	0.94	0.10	-	33,33,33,33	0
56	MG	2A	3113	1/1	0.91	0.27	-	44,44,44,44	0
56	MG	1a	1665	1/1	0.95	0.17	-	54,54,54,54	0
56	MG	1P	205	1/1	0.90	0.47	-	75,75,75,75	0
56	MG	2A	3393	1/1	0.91	0.25	-	44,44,44,44	0
56	MG	2a	1729	1/1	0.82	0.10	-	58,58,58,58	0
56	MG	2A	3363	1/1	0.97	0.28	-	52,52,52,52	0
56	MG	1a	1664	1/1	0.90	0.12	-	50,50,50,50	0
56	MG	1A	3642	1/1	0.94	0.16	-	39,39,39,39	0
56	MG	1A	4013	1/1	0.82	0.38	-	55,55,55,55	0
56	MG	1a	1812	1/1	0.88	0.28	-	66,66,66,66	0
56	MG	1A	3692	1/1	0.96	0.06	-	61,61,61,61	0
56	MG	2a	1672	1/1	0.87	0.38	-	57,57,57,57	0
56	MG	1N	207	1/1	0.98	0.05	-	19,19,19,19	0
56	MG	2a	1624	1/1	0.94	0.14	-	62,62,62,62	0
56	MG	1A	3992	1/1	0.91	0.14	-	70,70,70,70	0
56	MG	1A	3976	1/1	0.93	0.18	-	46,46,46,46	0
56	MG	1A	3963	1/1	0.98	0.04	-	33,33,33,33	0
56	MG	2A	3204	1/1	0.87	0.21	-	46,46,46,46	0
56	MG	1A	3071	1/1	0.97	0.10	-	41,41,41,41	0
56	MG	1A	3617	1/1	0.98	0.17	-	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	3469	1/1	0.97	0.17	-	16,16,16,16	0
56	MG	1a	1697	1/1	0.64	0.19	-	67,67,67,67	0
56	MG	1A	3913	1/1	0.83	0.15	-	73,73,73,73	0
56	MG	2a	1724	1/1	0.93	0.22	-	64,64,64,64	0
56	MG	1A	3061	1/1	0.95	0.15	-	51,51,51,51	0
56	MG	1A	3491	1/1	0.98	0.10	-	45,45,45,45	0
56	MG	2a	1802	1/1	0.90	0.33	-	68,68,68,68	0
56	MG	2a	1720	1/1	0.97	0.28	-	60,60,60,60	0
56	MG	1A	4081	1/1	0.94	0.64	-	27,27,27,27	0
56	MG	2A	3051	1/1	0.87	0.35	-	62,62,62,62	0
56	MG	1A	3540	1/1	0.86	0.20	-	69,69,69,69	0
56	MG	2A	3093	1/1	0.90	0.35	-	52,52,52,52	0
56	MG	2a	1745	1/1	0.90	0.31	-	54,54,54,54	0
56	MG	2A	3457	1/1	0.95	0.06	-	68,68,68,68	0
56	MG	2A	3380	1/1	0.93	0.10	-	37,37,37,37	0
56	MG	1x	101	1/1	0.67	0.67	-	89,89,89,89	0
56	MG	2A	3372	1/1	0.94	0.07	-	58,58,58,58	0
56	MG	2A	3318	1/1	0.88	0.33	-	58,58,58,58	0
56	MG	2a	1655	1/1	0.95	0.10	-	60,60,60,60	0
56	MG	1A	3566	1/1	0.85	0.11	-	64,64,64,64	0
56	MG	1a	1817	1/1	0.84	0.14	-	71,71,71,71	0
56	MG	1a	1881	1/1	0.94	0.21	-	40,40,40,40	0
56	MG	1a	1896	1/1	0.97	0.15	-	72,72,72,72	0
56	MG	1a	1635	1/1	0.78	0.25	-	66,66,66,66	0
56	MG	1A	3099	1/1	0.94	0.26	-	53,53,53,53	0
56	MG	2A	3240	1/1	0.94	0.16	-	46,46,46,46	0
56	MG	2a	1769	1/1	0.92	0.23	-	56,56,56,56	0
56	MG	1A	3602	1/1	0.91	0.16	-	46,46,46,46	0
56	MG	1A	3493	1/1	0.78	0.25	-	54,54,54,54	0
56	MG	1d	503	1/1	0.96	0.12	-	56,56,56,56	0
56	MG	1A	3038	1/1	0.98	0.15	-	51,51,51,51	0
56	MG	1A	3156	1/1	0.91	0.31	-	40,40,40,40	0
56	MG	1A	3579	1/1	0.92	0.07	-	51,51,51,51	0
56	MG	2A	3014	1/1	0.85	0.31	-	59,59,59,59	0
56	MG	1A	3411	1/1	0.92	0.14	-	47,47,47,47	0
56	MG	2a	1611	1/1	0.91	0.10	-	68,68,68,68	0
56	MG	1A	3539	1/1	0.89	0.18	-	56,56,56,56	0
56	MG	1A	3324	1/1	0.91	0.07	-	62,62,62,62	0
56	MG	2A	3099	1/1	0.95	0.05	-	57,57,57,57	0
56	MG	1a	1791	1/1	0.87	0.19	-	71,71,71,71	0
56	MG	1A	3883	1/1	0.93	0.16	-	45,45,45,45	0
56	MG	2A	3110	1/1	0.97	0.34	-	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	1878	1/1	0.95	0.21	-	64,64,64,64	0
56	MG	2A	3476	1/1	0.95	0.12	-	72,72,72,72	0
56	MG	1A	3645	1/1	0.95	0.25	-	44,44,44,44	0
56	MG	2a	1625	1/1	0.94	0.26	-	42,42,42,42	0
56	MG	2A	3497	1/1	0.93	0.22	-	62,62,62,62	0
56	MG	1A	3609	1/1	0.95	0.26	-	26,26,26,26	0
56	MG	1A	3286	1/1	0.88	0.25	-	63,63,63,63	0
56	MG	2a	1634	1/1	0.96	0.13	-	94,94,94,94	0
56	MG	2a	1730	1/1	0.96	0.13	-	66,66,66,66	0
56	MG	17	103	1/1	0.90	0.26	-	49,49,49,49	0
56	MG	1A	3894	1/1	0.94	0.13	-	49,49,49,49	0
56	MG	2A	3016	1/1	0.95	0.11	-	58,58,58,58	0
56	MG	1a	1902	1/1	0.60	0.59	-	92,92,92,92	0
56	MG	2Z	3001	1/1	0.89	0.05	-	73,73,73,73	0
56	MG	1A	3929	1/1	0.94	0.20	-	47,47,47,47	0
56	MG	2A	3400	1/1	0.95	0.22	-	34,34,34,34	0
56	MG	1A	3977	1/1	0.96	0.21	-	54,54,54,54	0
56	MG	1A	3326	1/1	0.91	0.09	-	62,62,62,62	0
56	MG	1a	1781	1/1	0.96	0.18	-	48,48,48,48	0
56	MG	2A	3382	1/1	0.97	0.26	-	47,47,47,47	0
56	MG	1A	3899	1/1	0.49	0.12	-	80,80,80,80	0
56	MG	1A	4006	1/1	0.94	0.23	-	51,51,51,51	0
56	MG	1a	1712	1/1	0.99	0.19	-	53,53,53,53	0
56	MG	1a	1737	1/1	0.91	0.07	-	70,70,70,70	0
56	MG	1a	1854	1/1	0.96	0.10	-	41,41,41,41	0
56	MG	1A	3825	1/1	0.98	0.20	-	13,13,13,13	0
56	MG	1A	4000	1/1	0.92	0.26	-	50,50,50,50	0
56	MG	1a	1614	1/1	0.98	0.06	-	74,74,74,74	0
56	MG	1A	3391	1/1	0.88	0.16	-	44,44,44,44	0
56	MG	2a	1728	1/1	0.97	0.10	-	75,75,75,75	0
56	MG	1A	3654	1/1	0.92	0.15	-	20,20,20,20	0
56	MG	2A	3515	1/1	0.93	0.10	-	53,53,53,53	0
56	MG	1A	3507	1/1	0.86	0.24	-	40,40,40,40	0
56	MG	1a	1863	1/1	0.89	0.14	-	64,64,64,64	0
56	MG	2A	3547	1/1	0.88	0.38	-	51,51,51,51	0
56	MG	2a	1733	1/1	0.86	0.12	-	67,67,67,67	0
56	MG	2a	1627	1/1	0.86	0.43	-	68,68,68,68	0
56	MG	1A	3030	1/1	0.98	0.08	-	38,38,38,38	0
56	MG	2A	3126	1/1	0.94	0.17	-	44,44,44,44	0
56	MG	1a	1655	1/1	0.98	0.18	-	50,50,50,50	0
56	MG	1A	3505	1/1	0.66	0.28	-	58,58,58,58	0
56	MG	2A	3233	1/1	0.98	0.16	-	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	1A	3753	1/1	0.93	0.17	-	21,21,21,21	0
56	MG	1a	1643	1/1	0.82	0.18	-	47,47,47,47	0
56	MG	1a	1741	1/1	0.96	0.37	-	58,58,58,58	0
56	MG	2A	3251	1/1	0.97	0.21	-	40,40,40,40	0
56	MG	2a	1632	1/1	0.81	0.17	-	76,76,76,76	0
56	MG	1A	3768	1/1	0.95	0.16	-	39,39,39,39	0
56	MG	1a	1767	1/1	0.94	0.19	-	63,63,63,63	0
56	MG	1A	4066	1/1	0.74	0.23	-	51,51,51,51	0
56	MG	2A	3458	1/1	0.97	0.08	-	64,64,64,64	0
56	MG	2a	1648	1/1	0.91	0.13	-	68,68,68,68	0
56	MG	1A	3791	1/1	0.97	0.18	-	19,19,19,19	0
56	MG	2a	1647	1/1	0.95	0.12	-	64,64,64,64	0
56	MG	1a	1733	1/1	0.97	0.11	-	41,41,41,41	0
56	MG	1R	206	1/1	0.90	0.19	-	37,37,37,37	0
56	MG	2A	3374	1/1	0.99	0.12	-	41,41,41,41	0
56	MG	2A	3550	1/1	0.91	0.14	-	51,51,51,51	0
56	MG	1A	3488	1/1	0.91	0.16	-	43,43,43,43	0
56	MG	2A	3151	1/1	0.91	0.33	-	40,40,40,40	0
56	MG	1x	108	1/1	0.86	0.09	-	59,59,59,59	0
56	MG	1A	3207	1/1	0.95	0.23	-	47,47,47,47	0
56	MG	1A	3042	1/1	0.93	0.25	-	44,44,44,44	0
56	MG	2A	3350	1/1	0.98	0.09	-	55,55,55,55	0
56	MG	1A	3328	1/1	0.83	0.11	-	78,78,78,78	0
56	MG	1A	3002	1/1	0.93	0.11	-	48,48,48,48	0
56	MG	1b	3002	1/1	0.94	0.38	-	82,82,82,82	0
56	MG	1A	4035	1/1	0.97	0.19	-	57,57,57,57	0
56	MG	1A	4031	1/1	0.92	0.66	-	64,64,64,64	0
56	MG	1A	3006	1/1	0.86	0.32	-	48,48,48,48	0
56	MG	1c	3001	1/1	0.88	0.13	-	64,64,64,64	0
56	MG	2A	3406	1/1	0.94	0.09	-	58,58,58,58	0
56	MG	1x	107	1/1	0.96	0.10	-	50,50,50,50	0
56	MG	1a	1891	1/1	0.88	0.15	-	52,52,52,52	0
56	MG	1A	3407	1/1	0.93	0.17	-	67,67,67,67	0
56	MG	2a	1789	1/1	0.97	0.04	-	88,88,88,88	0
56	MG	1H	201	1/1	0.97	0.30	-	49,49,49,49	0
56	MG	1A	3937	1/1	0.90	0.15	-	51,51,51,51	0
56	MG	2A	3265	1/1	0.96	0.09	-	49,49,49,49	0
56	MG	1A	3197	1/1	0.93	0.17	-	44,44,44,44	0
56	MG	1A	3273	1/1	0.97	0.10	-	16,16,16,16	0
56	MG	1A	3399	1/1	0.92	0.13	-	39,39,39,39	0
56	MG	1a	1768	1/1	0.98	0.09	-	56,56,56,56	0
56	MG	2A	3499	1/1	0.97	0.16	-	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	1a	1754	1/1	0.77	0.28	-	60,60,60,60	0
56	MG	2A	3109	1/1	0.86	0.26	-	57,57,57,57	0
56	MG	1a	1809	1/1	0.95	0.15	-	75,75,75,75	0
56	MG	2A	3002	1/1	0.97	0.16	-	47,47,47,47	0
56	MG	2B	3009	1/1	0.94	0.35	-	58,58,58,58	0
56	MG	2A	3426	1/1	0.95	0.09	-	43,43,43,43	0
56	MG	1A	3321	1/1	0.95	0.18	-	28,28,28,28	0
56	MG	2A	3447	1/1	0.89	0.09	-	57,57,57,57	0
56	MG	1a	1719	1/1	0.87	0.14	-	53,53,53,53	0
56	MG	1A	3855	1/1	0.96	0.10	-	51,51,51,51	0
56	MG	2A	3133	1/1	0.97	0.11	-	33,33,33,33	0
56	MG	18	103	1/1	0.93	0.26	-	59,59,59,59	0
56	MG	1a	1654	1/1	0.94	0.14	-	72,72,72,72	0
56	MG	1A	3895	1/1	0.93	0.20	-	57,57,57,57	0
56	MG	2A	3044	1/1	0.98	0.11	-	32,32,32,32	0
56	MG	1A	3862	1/1	0.97	0.07	-	45,45,45,45	0
56	MG	2A	3036	1/1	0.90	0.25	-	61,61,61,61	0
56	MG	2A	3489	1/1	0.93	0.24	-	60,60,60,60	0
56	MG	1A	4071	1/1	0.95	0.11	-	40,40,40,40	0
56	MG	2a	1743	1/1	0.96	0.23	-	35,35,35,35	0
56	MG	1a	1843	1/1	0.29	0.14	-	69,69,69,69	0
56	MG	1a	1872	1/1	0.90	0.07	-	50,50,50,50	0
56	MG	2A	3295	1/1	0.90	0.20	-	32,32,32,32	0
56	MG	1A	3516	1/1	0.97	0.08	-	54,54,54,54	0
56	MG	2a	1641	1/1	0.96	0.12	-	64,64,64,64	0
56	MG	1W	3001	1/1	0.96	0.20	-	43,43,43,43	0
56	MG	1A	3892	1/1	0.97	0.12	-	44,44,44,44	0
56	MG	2a	1659	1/1	0.93	0.26	-	60,60,60,60	0
56	MG	1A	3429	1/1	0.97	0.12	-	45,45,45,45	0
56	MG	1A	3268	1/1	0.97	0.16	-	51,51,51,51	0
56	MG	2A	3012	1/1	0.85	0.18	-	57,57,57,57	0
56	MG	1a	1780	1/1	0.93	0.27	-	62,62,62,62	0
56	MG	2A	3528	1/1	0.72	0.37	-	60,60,60,60	0
56	MG	2Q	3005	1/1	0.94	0.30	-	46,46,46,46	0
56	MG	1a	1893	1/1	0.97	0.36	-	71,71,71,71	0
56	MG	1A	3961	1/1	0.95	0.12	-	54,54,54,54	0
56	MG	2A	3472	1/1	0.82	0.22	-	53,53,53,53	0
56	MG	1a	1639	1/1	0.89	0.15	-	76,76,76,76	0
56	MG	2A	3423	1/1	0.91	0.10	-	65,65,65,65	0
56	MG	2A	3095	1/1	0.88	0.23	-	54,54,54,54	0
56	MG	1A	3757	1/1	0.96	0.27	-	33,33,33,33	0
56	MG	1A	3635	1/1	0.95	0.12	-	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1a	1874	1/1	0.98	0.15	-	48,48,48,48	0
56	MG	1a	1680	1/1	0.91	0.24	-	45,45,45,45	0
56	MG	1A	3069	1/1	0.68	0.14	-	58,58,58,58	0
56	MG	1A	3077	1/1	0.92	0.17	-	59,59,59,59	0
56	MG	1A	3665	1/1	0.97	0.10	-	40,40,40,40	0
56	MG	2A	3230	1/1	0.97	0.16	-	45,45,45,45	0
56	MG	2A	3466	1/1	0.92	0.13	-	45,45,45,45	0
56	MG	2A	3381	1/1	0.92	0.10	-	52,52,52,52	0
56	MG	2A	3202	1/1	0.95	0.09	-	47,47,47,47	0
56	MG	2a	1727	1/1	0.96	0.14	-	45,45,45,45	0
56	MG	1A	3888	1/1	0.93	0.12	-	87,87,87,87	0
56	MG	1a	1603	1/1	0.97	0.17	-	56,56,56,56	0
56	MG	2A	3245	1/1	0.87	0.23	-	23,23,23,23	0
56	MG	1A	3387	1/1	0.93	0.27	-	33,33,33,33	0
56	MG	1A	4077	1/1	0.88	0.10	-	62,62,62,62	0
56	MG	2a	1642	1/1	0.90	0.46	-	87,87,87,87	0
56	MG	1A	3063	1/1	0.96	0.12	-	41,41,41,41	0
56	MG	1A	3737	1/1	0.95	0.12	-	60,60,60,60	0
56	MG	2a	1753	1/1	0.82	0.10	-	63,63,63,63	0
56	MG	1a	1725	1/1	0.91	0.21	-	59,59,59,59	0
56	MG	2A	3252	1/1	0.86	0.24	-	58,58,58,58	0
56	MG	2A	3284	1/1	0.83	0.12	-	45,45,45,45	0
56	MG	1A	3076	1/1	0.98	0.18	-	40,40,40,40	0
56	MG	1a	1888	1/1	0.92	0.28	-	46,46,46,46	0
56	MG	1a	1727	1/1	0.95	0.25	-	66,66,66,66	0
56	MG	2A	3409	1/1	0.87	0.12	-	68,68,68,68	0
56	MG	1A	3506	1/1	0.84	0.20	-	57,57,57,57	0
56	MG	1A	3576	1/1	0.83	0.13	-	45,45,45,45	0
56	MG	1A	3887	1/1	0.86	0.10	-	44,44,44,44	0
56	MG	1a	1706	1/1	0.99	0.11	-	53,53,53,53	0
56	MG	13	101	1/1	0.95	0.16	-	46,46,46,46	0
56	MG	1A	3217	1/1	0.93	0.14	-	43,43,43,43	0
56	MG	1A	3530	1/1	0.98	0.07	-	41,41,41,41	0
56	MG	2a	1690	1/1	0.97	0.34	-	55,55,55,55	0
56	MG	1A	3452	1/1	0.86	0.23	-	69,69,69,69	0
56	MG	1a	1651	1/1	0.93	0.13	-	52,52,52,52	0
56	MG	1A	3287	1/1	0.69	0.36	-	43,43,43,43	0
56	MG	1A	3224	1/1	0.97	0.11	-	37,37,37,37	0
56	MG	1A	3630	1/1	0.97	0.21	-	47,47,47,47	0
56	MG	1A	3010	1/1	0.96	0.20	-	46,46,46,46	0
56	MG	1A	3981	1/1	0.91	0.34	-	43,43,43,43	0
56	MG	1A	3190	1/1	0.97	0.07	-	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	1A	3346	1/1	0.43	0.18	-	76,76,76,76	0
56	MG	2A	3161	1/1	0.97	0.18	-	37,37,37,37	0
56	MG	2a	1676	1/1	0.94	0.31	-	60,60,60,60	0
56	MG	1A	3043	1/1	0.97	0.10	-	36,36,36,36	0
56	MG	2A	3261	1/1	0.97	0.28	-	66,66,66,66	0
56	MG	1O	201	1/1	0.83	0.33	-	47,47,47,47	0
56	MG	2A	3297	1/1	0.91	0.33	-	49,49,49,49	0
56	MG	2A	3136	1/1	0.95	0.10	-	44,44,44,44	0
56	MG	1A	3916	1/1	0.96	0.23	-	49,49,49,49	0
56	MG	2A	3526	1/1	0.94	0.31	-	46,46,46,46	0
56	MG	1A	3971	1/1	0.82	0.30	-	82,82,82,82	0
56	MG	2A	3267	1/1	0.97	0.29	-	50,50,50,50	0
56	MG	1a	1805	1/1	0.90	0.28	-	77,77,77,77	0
56	MG	1A	3990	1/1	0.94	0.18	-	47,47,47,47	0
56	MG	2e	203	1/1	0.94	0.19	-	78,78,78,78	0
56	MG	1A	3857	1/1	0.91	0.18	-	51,51,51,51	0
56	MG	2A	3310	1/1	0.96	0.13	-	55,55,55,55	0
56	MG	2A	3477	1/1	0.90	0.09	-	52,52,52,52	0
56	MG	2A	3398	1/1	0.91	0.24	-	45,45,45,45	0
56	MG	1A	3743	1/1	0.97	0.19	-	69,69,69,69	0
56	MG	1A	3147	1/1	0.99	0.13	-	33,33,33,33	0
56	MG	1A	3041	1/1	0.93	0.24	-	50,50,50,50	0
56	MG	1A	3119	1/1	0.98	0.12	-	31,31,31,31	0
56	MG	1A	3978	1/1	0.93	0.12	-	67,67,67,67	0
56	MG	1a	1856	1/1	0.92	0.20	-	68,68,68,68	0
56	MG	1A	3192	1/1	0.96	0.29	-	47,47,47,47	0
56	MG	1a	1695	1/1	0.96	0.10	-	40,40,40,40	0
56	MG	1a	1700	1/1	0.84	0.22	-	62,62,62,62	0
56	MG	1a	1683	1/1	0.95	0.50	-	51,51,51,51	0
56	MG	1a	1869	1/1	0.84	0.19	-	66,66,66,66	0
56	MG	1a	1787	1/1	0.93	0.12	-	61,61,61,61	0
56	MG	1A	3623	1/1	0.86	0.08	-	61,61,61,61	0
56	MG	1A	3569	1/1	0.86	0.21	-	36,36,36,36	0
56	MG	1A	3659	1/1	0.89	0.14	-	25,25,25,25	0
56	MG	1A	3158	1/1	0.92	0.21	-	38,38,38,38	0
56	MG	1a	1764	1/1	0.92	0.10	-	85,85,85,85	0
56	MG	1A	3232	1/1	0.97	0.68	-	39,39,39,39	0
56	MG	1A	3080	1/1	0.95	0.23	-	38,38,38,38	0
56	MG	1A	3060	1/1	0.90	0.15	-	46,46,46,46	0
56	MG	2A	3194	1/1	0.82	0.30	-	48,48,48,48	0
56	MG	18	104	1/1	0.93	0.27	-	41,41,41,41	0
56	MG	1A	3401	1/1	0.97	0.12	-	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3246	1/1	0.97	0.20	-	56,56,56,56	0
56	MG	1a	1800	1/1	0.96	0.32	-	67,67,67,67	0
56	MG	1A	3587	1/1	0.92	0.10	-	38,38,38,38	0
56	MG	1A	4005	1/1	0.97	0.11	-	65,65,65,65	0
56	MG	1A	3987	1/1	0.92	0.15	-	54,54,54,54	0
56	MG	1A	3650	1/1	0.83	0.18	-	30,30,30,30	0
56	MG	1A	3545	1/1	0.63	0.47	-	61,61,61,61	0
56	MG	2A	3345	1/1	0.97	0.24	-	51,51,51,51	0
56	MG	1A	3538	1/1	0.81	0.10	-	67,67,67,67	0
56	MG	2A	3185	1/1	0.91	0.15	-	46,46,46,46	0
56	MG	1H	202	1/1	0.84	0.18	-	53,53,53,53	0
56	MG	2a	1654	1/1	0.98	0.07	-	49,49,49,49	0
56	MG	2A	3055	1/1	0.86	0.15	-	57,57,57,57	0
56	MG	1a	1880	1/1	0.93	0.12	-	68,68,68,68	0
56	MG	2a	1800	1/1	0.98	0.41	-	73,73,73,73	0
56	MG	1A	3885	1/1	0.98	0.09	-	51,51,51,51	0
56	MG	2A	3411	1/1	0.94	0.20	-	65,65,65,65	0
56	MG	2A	3274	1/1	0.88	0.14	-	46,46,46,46	0
56	MG	1A	3797	1/1	0.97	0.17	-	15,15,15,15	0
56	MG	2A	3549	1/1	0.96	0.23	-	49,49,49,49	0
56	MG	2A	3004	1/1	0.82	0.17	-	55,55,55,55	0
56	MG	1A	3133	1/1	0.98	0.14	-	28,28,28,28	0
56	MG	2a	1794	1/1	0.94	0.12	-	68,68,68,68	0
56	MG	1A	3134	1/1	0.94	0.43	-	35,35,35,35	0
56	MG	1A	3440	1/1	0.93	0.06	-	45,45,45,45	0
56	MG	1a	1728	1/1	0.90	0.26	-	49,49,49,49	0
56	MG	1A	3223	1/1	0.98	0.15	-	24,24,24,24	0
56	MG	1a	1882	1/1	0.95	0.12	-	40,40,40,40	0
56	MG	1l	104	1/1	0.95	0.19	-	59,59,59,59	0
56	MG	2A	3108	1/1	0.88	0.25	-	59,59,59,59	0
56	MG	2Y	201	1/1	0.95	0.09	-	58,58,58,58	0
56	MG	2a	1711	1/1	0.93	0.15	-	61,61,61,61	0
56	MG	1a	1887	1/1	0.88	0.16	-	64,64,64,64	0
56	MG	1A	3352	1/1	0.97	0.15	-	37,37,37,37	0
56	MG	2l	204	1/1	0.96	0.18	-	43,43,43,43	0
56	MG	1A	3647	1/1	0.86	0.16	-	41,41,41,41	0
56	MG	2A	3013	1/1	0.93	0.12	-	52,52,52,52	0
56	MG	1A	3320	1/1	0.91	0.10	-	52,52,52,52	0
56	MG	1a	1826	1/1	0.97	0.24	-	47,47,47,47	0
56	MG	1A	3551	1/1	0.89	0.16	-	85,85,85,85	0
56	MG	1A	3826	1/1	0.94	0.22	-	42,42,42,42	0
56	MG	1Q	3003	1/1	0.96	0.33	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3834	1/1	0.96	0.14	-	51,51,51,51	0
56	MG	1A	3021	1/1	0.93	0.19	-	43,43,43,43	0
56	MG	1A	3581	1/1	0.95	0.20	-	51,51,51,51	0
56	MG	1A	3928	1/1	0.94	0.10	-	57,57,57,57	0
56	MG	1A	3291	1/1	0.90	0.22	-	33,33,33,33	0
56	MG	1A	3107	1/1	0.87	0.20	-	53,53,53,53	0
56	MG	1a	1745	1/1	0.92	0.21	-	50,50,50,50	0
56	MG	1A	3543	1/1	0.93	0.10	-	41,41,41,41	0
56	MG	2A	3104	1/1	0.85	0.13	-	52,52,52,52	0
56	MG	2A	3117	1/1	0.93	0.14	-	41,41,41,41	0
56	MG	1A	3738	1/1	0.96	0.13	-	46,46,46,46	0
56	MG	2A	3124	1/1	0.93	0.23	-	48,48,48,48	0
56	MG	2a	1798	1/1	0.96	0.14	-	69,69,69,69	0
56	MG	1A	4051	1/1	0.90	0.13	-	45,45,45,45	0
56	MG	2A	3448	1/1	0.94	0.27	-	53,53,53,53	0
56	MG	1T	204	1/1	0.87	0.20	-	68,68,68,68	0
56	MG	1a	1699	1/1	0.90	0.27	-	68,68,68,68	0
56	MG	1A	3715	1/1	0.89	0.25	-	57,57,57,57	0
56	MG	2A	3367	1/1	0.84	0.24	-	41,41,41,41	0
56	MG	1A	3720	1/1	0.95	0.22	-	67,67,67,67	0
56	MG	1A	3643	1/1	0.91	0.23	-	34,34,34,34	0
56	MG	1A	3962	1/1	0.96	0.09	-	42,42,42,42	0
56	MG	1A	3680	1/1	0.92	0.09	-	45,45,45,45	0
56	MG	2A	3454	1/1	0.96	0.08	-	61,61,61,61	0
56	MG	2A	3234	1/1	0.97	0.27	-	55,55,55,55	0
56	MG	1A	3975	1/1	0.92	0.20	-	50,50,50,50	0
56	MG	10	104	1/1	0.97	0.06	-	46,46,46,46	0
56	MG	2a	1815	1/1	0.92	0.13	-	56,56,56,56	0
56	MG	1A	3679	1/1	0.93	0.15	-	41,41,41,41	0
56	MG	1A	4072	1/1	0.94	0.15	-	70,70,70,70	0
56	MG	2A	3035	1/1	0.95	0.11	-	57,57,57,57	0
56	MG	1A	3699	1/1	0.90	0.18	-	49,49,49,49	0
56	MG	2a	1810	1/1	0.88	0.20	-	84,84,84,84	0
56	MG	1A	3298	1/1	0.94	0.11	-	46,46,46,46	0
56	MG	2A	3023	1/1	0.93	0.18	-	49,49,49,49	0
56	MG	1a	1634	1/1	0.85	0.21	-	41,41,41,41	0
56	MG	1A	3049	1/1	0.86	0.14	-	60,60,60,60	0
56	MG	2A	3086	1/1	0.94	0.12	-	36,36,36,36	0
56	MG	1A	3537	1/1	0.96	0.07	-	43,43,43,43	0
56	MG	1A	3673	1/1	0.97	0.26	-	32,32,32,32	0
56	MG	2A	3435	1/1	0.95	0.25	-	59,59,59,59	0
56	MG	1A	3717	1/1	0.96	0.04	-	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	3264	1/1	0.94	0.12	-	51,51,51,51	0
56	MG	2a	1751	1/1	0.95	0.36	-	55,55,55,55	0
56	MG	2A	3444	1/1	0.91	0.07	-	58,58,58,58	0
56	MG	2a	1666	1/1	0.67	0.21	-	65,65,65,65	0
56	MG	2A	3024	1/1	0.94	0.16	-	46,46,46,46	0
56	MG	2A	3193	1/1	0.90	0.20	-	50,50,50,50	0
56	MG	1A	3164	1/1	0.97	0.40	-	20,20,20,20	0
56	MG	1A	3330	1/1	0.94	0.07	-	56,56,56,56	0
56	MG	1A	3381	1/1	0.89	0.25	-	38,38,38,38	0
56	MG	1A	3366	1/1	0.88	0.12	-	48,48,48,48	0
56	MG	1A	3608	1/1	0.94	0.18	-	32,32,32,32	0
56	MG	2A	3321	1/1	0.93	0.15	-	32,32,32,32	0
56	MG	1A	3907	1/1	0.95	0.23	-	15,15,15,15	0
56	MG	2A	3514	1/1	0.92	0.20	-	53,53,53,53	0
56	MG	1A	3388	1/1	0.96	0.20	-	60,60,60,60	0
56	MG	2A	3534	1/1	0.95	0.31	-	45,45,45,45	0
56	MG	1a	1629	1/1	0.98	0.14	-	33,33,33,33	0
56	MG	1A	3420	1/1	0.86	0.14	-	72,72,72,72	0
56	MG	1A	3463	1/1	0.89	0.22	-	54,54,54,54	0
56	MG	1A	3518	1/1	0.94	0.12	-	57,57,57,57	0
56	MG	1k	201	1/1	0.93	0.11	-	68,68,68,68	0
56	MG	2A	3495	1/1	0.85	0.13	-	44,44,44,44	0
56	MG	2a	1782	1/1	0.99	0.27	-	46,46,46,46	0
56	MG	2x	3002	1/1	0.93	0.06	-	57,57,57,57	0
56	MG	2a	1630	1/1	0.78	0.12	-	60,60,60,60	0
56	MG	1A	3005	1/1	0.93	0.19	-	57,57,57,57	0
56	MG	2A	3191	1/1	0.87	0.30	-	51,51,51,51	0
56	MG	2A	3075	1/1	0.95	0.20	-	26,26,26,26	0
56	MG	1A	4004	1/1	0.94	0.16	-	53,53,53,53	0
56	MG	1a	1776	1/1	0.92	0.08	-	54,54,54,54	0
56	MG	1Q	3001	1/1	0.97	0.25	-	31,31,31,31	0
56	MG	1A	3614	1/1	0.82	0.12	-	58,58,58,58	0
56	MG	1A	3410	1/1	0.95	0.22	-	47,47,47,47	0
56	MG	1B	214	1/1	0.82	0.18	-	69,69,69,69	0
56	MG	2a	1716	1/1	0.92	0.14	-	53,53,53,53	0
56	MG	1A	3102	1/1	0.87	0.21	-	51,51,51,51	0
56	MG	2A	3484	1/1	0.93	0.14	-	53,53,53,53	0
56	MG	1A	3523	1/1	0.90	0.54	-	77,77,77,77	0
56	MG	1A	3104	1/1	0.85	0.15	-	52,52,52,52	0
56	MG	1A	3547	1/1	0.91	0.11	-	56,56,56,56	0
56	MG	1a	1698	1/1	0.54	0.30	-	64,64,64,64	0
56	MG	2A	3508	1/1	0.94	0.07	-	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	3467	1/1	0.98	0.11	-	50,50,50,50	0
56	MG	2A	3482	1/1	0.93	0.37	-	59,59,59,59	0
56	MG	2A	3175	1/1	0.93	0.35	-	30,30,30,30	0
56	MG	1A	3681	1/1	0.89	0.15	-	43,43,43,43	0
56	MG	1A	3247	1/1	0.93	0.17	-	62,62,62,62	0
56	MG	1A	3499	1/1	0.94	0.12	-	42,42,42,42	0
56	MG	1A	3384	1/1	0.88	0.55	-	48,48,48,48	0
56	MG	1a	1892	1/1	0.95	0.16	-	49,49,49,49	0
56	MG	1A	3354	1/1	0.98	0.06	-	56,56,56,56	0
56	MG	2A	3031	1/1	0.93	0.21	-	49,49,49,49	0
56	MG	2A	3128	1/1	0.97	0.12	-	46,46,46,46	0
56	MG	2A	3219	1/1	0.81	0.13	-	61,61,61,61	0
56	MG	2A	3370	1/1	0.88	0.10	-	49,49,49,49	0
56	MG	1A	3552	1/1	0.96	0.13	-	53,53,53,53	0
56	MG	2A	3490	1/1	0.90	0.15	-	48,48,48,48	0
56	MG	2A	3275	1/1	0.95	0.20	-	45,45,45,45	0
56	MG	1A	3889	1/1	0.97	0.14	-	46,46,46,46	0
56	MG	1A	3761	1/1	0.97	0.12	-	47,47,47,47	0
56	MG	1a	1749	1/1	0.81	0.23	-	72,72,72,72	0
56	MG	1A	3441	1/1	0.90	0.24	-	59,59,59,59	0
56	MG	1A	3871	1/1	0.76	0.27	-	45,45,45,45	0
56	MG	2A	3089	1/1	0.87	0.10	-	47,47,47,47	0
56	MG	1a	1724	1/1	0.94	0.09	-	47,47,47,47	0
56	MG	1A	3749	1/1	0.96	0.05	-	48,48,48,48	0
56	MG	2A	3201	1/1	0.94	0.09	-	62,62,62,62	0
56	MG	1a	1707	1/1	0.86	0.15	-	65,65,65,65	0
56	MG	2A	3135	1/1	0.92	0.15	-	46,46,46,46	0
56	MG	2a	1636	1/1	0.96	0.08	-	92,92,92,92	0
56	MG	1A	3348	1/1	0.98	0.21	-	20,20,20,20	0
56	MG	1A	3422	1/1	0.86	0.20	-	63,63,63,63	0
56	MG	1A	3045	1/1	0.98	0.33	-	42,42,42,42	0
56	MG	1A	3394	1/1	0.97	0.06	-	60,60,60,60	0
56	MG	2A	3469	1/1	0.89	0.20	-	60,60,60,60	0
56	MG	1a	1841	1/1	0.96	0.10	-	37,37,37,37	0
56	MG	1A	3865	1/1	0.88	0.24	-	60,60,60,60	0
56	MG	1A	4069	1/1	0.97	0.15	-	38,38,38,38	0
56	MG	2A	3339	1/1	0.83	0.09	-	78,78,78,78	0
56	MG	1A	3795	1/1	0.94	0.12	-	37,37,37,37	0
56	MG	2A	3116	1/1	0.94	0.16	-	33,33,33,33	0
56	MG	1a	1750	1/1	0.79	0.34	-	73,73,73,73	0
56	MG	2A	3192	1/1	0.86	0.11	-	49,49,49,49	0
56	MG	2A	3351	1/1	0.96	0.11	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3062	1/1	0.82	0.25	-	50,50,50,50	0
56	MG	1A	3533	1/1	0.93	0.16	-	57,57,57,57	0
56	MG	1A	3135	1/1	0.96	0.30	-	36,36,36,36	0
56	MG	1A	3936	1/1	0.97	0.10	-	37,37,37,37	0
56	MG	2a	1651	1/1	0.88	0.60	-	56,56,56,56	0
56	MG	1R	203	1/1	0.97	0.19	-	24,24,24,24	0
56	MG	2A	3316	1/1	0.97	0.20	-	33,33,33,33	0
56	MG	1a	1804	1/1	0.92	0.15	-	66,66,66,66	0
56	MG	1A	3332	1/1	0.92	0.12	-	54,54,54,54	0
56	MG	1a	1771	1/1	0.96	0.21	-	52,52,52,52	0
56	MG	13	102	1/1	0.77	0.25	-	72,72,72,72	0
56	MG	2a	1706	1/1	0.96	0.36	-	58,58,58,58	0
56	MG	1A	3457	1/1	0.92	0.16	-	52,52,52,52	0
56	MG	2E	303	1/1	0.94	0.40	-	42,42,42,42	0
56	MG	1A	3471	1/1	0.86	0.28	-	58,58,58,58	0
56	MG	1A	3756	1/1	0.73	0.18	-	43,43,43,43	0
56	MG	2A	3183	1/1	0.92	0.19	-	44,44,44,44	0
56	MG	1E	307	1/1	0.93	0.14	-	64,64,64,64	0
56	MG	1a	1811	1/1	0.88	0.15	-	90,90,90,90	0
56	MG	1A	3492	1/1	0.88	0.23	-	59,59,59,59	0
56	MG	1A	3810	1/1	0.96	0.06	-	43,43,43,43	0
56	MG	2A	3293	1/1	0.99	0.17	-	36,36,36,36	0
56	MG	1A	3500	1/1	0.91	0.23	-	60,60,60,60	0
56	MG	1A	3554	1/1	0.95	0.15	-	61,61,61,61	0
56	MG	1a	1661	1/1	0.91	0.28	-	58,58,58,58	0
56	MG	1A	3754	1/1	0.84	0.08	-	61,61,61,61	0
56	MG	1A	3864	1/1	0.96	0.11	-	53,53,53,53	0
56	MG	1A	3898	1/1	0.95	0.06	-	50,50,50,50	0
56	MG	2A	3223	1/1	0.84	0.11	-	82,82,82,82	0
56	MG	2a	1775	1/1	0.97	0.33	-	42,42,42,42	0
56	MG	1a	1876	1/1	0.91	0.18	-	47,47,47,47	0
56	MG	2A	3081	1/1	0.81	0.31	-	60,60,60,60	0
56	MG	1A	3748	1/1	0.94	0.12	-	64,64,64,64	0
56	MG	2A	3340	1/1	0.89	0.05	-	58,58,58,58	0
56	MG	1A	3417	1/1	0.92	0.30	-	44,44,44,44	0
56	MG	1a	1627	1/1	0.97	0.07	-	36,36,36,36	0
56	MG	2A	3018	1/1	0.78	0.15	-	50,50,50,50	0
56	MG	1A	3168	1/1	0.95	0.29	-	38,38,38,38	0
56	MG	1a	1862	1/1	0.95	0.15	-	58,58,58,58	0
56	MG	2A	3480	1/1	0.95	0.13	-	74,74,74,74	0
56	MG	2A	3137	1/1	0.96	0.25	-	63,63,63,63	0
56	MG	1A	3341	1/1	0.90	0.13	-	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2n	502	1/1	0.92	0.47	-	56,56,56,56	0
56	MG	2a	1656	1/1	0.92	0.20	-	50,50,50,50	0
56	MG	2A	3401	1/1	0.92	0.25	-	60,60,60,60	0
56	MG	2A	3129	1/1	0.96	0.11	-	43,43,43,43	0
56	MG	1a	1842	1/1	0.97	0.29	-	39,39,39,39	0
56	MG	1A	3277	1/1	0.96	0.11	-	33,33,33,33	0
56	MG	2A	3241	1/1	0.88	0.20	-	35,35,35,35	0
56	MG	2A	3162	1/1	0.94	0.31	-	42,42,42,42	0
56	MG	1A	3157	1/1	0.95	0.13	-	40,40,40,40	0
56	MG	1A	4014	1/1	0.85	0.31	-	47,47,47,47	0
56	MG	1A	3308	1/1	0.95	0.14	-	40,40,40,40	0
56	MG	2a	1677	1/1	0.98	0.09	-	55,55,55,55	0
56	MG	1A	3879	1/1	0.89	0.13	-	48,48,48,48	0
56	MG	2a	1780	1/1	0.86	0.15	-	64,64,64,64	0
56	MG	2Y	203	1/1	0.97	0.10	-	41,41,41,41	0
56	MG	1A	3982	1/1	0.92	0.19	-	40,40,40,40	0
56	MG	1A	3260	1/1	0.96	0.17	-	50,50,50,50	0
56	MG	1A	3086	1/1	0.96	0.23	-	39,39,39,39	0
56	MG	1a	1759	1/1	0.89	0.15	-	58,58,58,58	0
56	MG	2a	1698	1/1	0.94	0.29	-	57,57,57,57	0
56	MG	2a	1617	1/1	0.86	0.17	-	67,67,67,67	0
56	MG	1A	3866	1/1	0.96	0.16	-	53,53,53,53	0
56	MG	1a	1783	1/1	0.58	0.15	-	78,78,78,78	0
56	MG	1A	3601	1/1	0.92	0.14	-	24,24,24,24	0
56	MG	1B	215	1/1	0.97	0.09	-	36,36,36,36	0
56	MG	1A	3477	1/1	0.83	0.12	-	56,56,56,56	0
56	MG	1A	3386	1/1	0.97	0.11	-	34,34,34,34	0
56	MG	1A	3641	1/1	0.97	0.10	-	36,36,36,36	0
56	MG	2A	3106	1/1	0.84	0.14	-	58,58,58,58	0
56	MG	1A	3606	1/1	0.96	0.10	-	58,58,58,58	0
56	MG	1a	1769	1/1	0.95	0.21	-	58,58,58,58	0
56	MG	2a	1657	1/1	0.97	0.17	-	61,61,61,61	0
56	MG	1A	3103	1/1	0.89	0.10	-	53,53,53,53	0
56	MG	2A	3524	1/1	0.94	0.16	-	46,46,46,46	0
56	MG	1A	3860	1/1	0.97	0.15	-	59,59,59,59	0
56	MG	1A	3380	1/1	0.85	0.28	-	49,49,49,49	0
56	MG	1A	3188	1/1	0.95	0.21	-	50,50,50,50	0
56	MG	2A	3481	1/1	0.86	0.07	-	83,83,83,83	0
56	MG	2O	3002	1/1	0.96	0.09	-	36,36,36,36	0
56	MG	2A	3227	1/1	0.86	0.17	-	59,59,59,59	0
56	MG	1a	1610	1/1	0.97	0.04	-	48,48,48,48	0
56	MG	1A	3884	1/1	0.91	0.14	-	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	3739	1/1	0.98	0.16	-	16,16,16,16	0
56	MG	1a	1726	1/1	0.97	0.16	-	53,53,53,53	0
56	MG	1O	202	1/1	0.98	0.10	-	52,52,52,52	0
56	MG	1A	3524	1/1	0.94	0.60	-	63,63,63,63	0
56	MG	1A	3379	1/1	0.95	0.19	-	41,41,41,41	0
56	MG	2A	3443	1/1	0.94	0.09	-	53,53,53,53	0
56	MG	1a	1795	1/1	0.91	0.21	-	56,56,56,56	0
56	MG	19	103	1/1	0.94	0.11	-	40,40,40,40	0
56	MG	1A	3364	1/1	0.96	0.21	-	41,41,41,41	0
56	MG	1A	3886	1/1	0.91	0.27	-	65,65,65,65	0
56	MG	1A	4017	1/1	0.96	0.11	-	42,42,42,42	0
56	MG	1T	201	1/1	0.82	0.23	-	57,57,57,57	0
56	MG	1A	3165	1/1	0.93	0.12	-	35,35,35,35	0
56	MG	1A	3639	1/1	0.95	0.15	-	57,57,57,57	0
56	MG	1A	3957	1/1	0.95	0.13	-	20,20,20,20	0
56	MG	1a	1807	1/1	0.81	0.28	-	74,74,74,74	0
56	MG	2A	3074	1/1	0.90	0.16	-	50,50,50,50	0
56	MG	1A	3427	1/1	0.95	0.12	-	44,44,44,44	0
56	MG	2a	1649	1/1	0.86	0.24	-	51,51,51,51	0
56	MG	2A	3430	1/1	0.95	0.15	-	59,59,59,59	0
56	MG	1A	3527	1/1	0.97	0.18	-	68,68,68,68	0
56	MG	1A	3764	1/1	0.96	0.08	-	41,41,41,41	0
56	MG	1A	3459	1/1	0.92	0.12	-	44,44,44,44	0
56	MG	1A	3773	1/1	0.98	0.06	-	49,49,49,49	0
56	MG	1A	3931	1/1	0.94	0.10	-	42,42,42,42	0
56	MG	1A	4024	1/1	0.96	0.25	-	61,61,61,61	0
56	MG	1a	1730	1/1	0.94	0.18	-	49,49,49,49	0
56	MG	1E	302	1/1	0.98	0.18	-	55,55,55,55	0
56	MG	1A	3988	1/1	0.97	0.39	-	37,37,37,37	0
56	MG	1m	201	1/1	0.93	0.25	-	73,73,73,73	0
56	MG	2a	1612	1/1	0.80	0.20	-	67,67,67,67	0
56	MG	1A	3589	1/1	0.99	0.14	-	31,31,31,31	0
56	MG	1A	3612	1/1	0.99	0.15	-	37,37,37,37	0
56	MG	1a	1716	1/1	0.92	0.16	-	77,77,77,77	0
56	MG	2A	3471	1/1	0.96	0.15	-	40,40,40,40	0
56	MG	2A	3083	1/1	0.95	0.12	-	51,51,51,51	0
56	MG	1a	1675	1/1	0.86	0.25	-	59,59,59,59	0
56	MG	1A	3755	1/1	0.95	0.05	-	51,51,51,51	0
56	MG	1A	3502	1/1	0.96	0.34	-	61,61,61,61	0
56	MG	1A	3393	1/1	0.92	0.08	-	54,54,54,54	0
56	MG	2a	1736	1/1	0.95	0.08	-	74,74,74,74	0
56	MG	2A	3504	1/1	0.84	0.15	-	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	3429	1/1	0.96	0.10	-	58,58,58,58	0
56	MG	2A	3118	1/1	0.94	0.11	-	37,37,37,37	0
56	MG	1a	1796	1/1	0.94	0.14	-	54,54,54,54	0
56	MG	2a	1809	1/1	0.94	0.19	-	64,64,64,64	0
56	MG	1A	3807	1/1	0.99	0.15	-	47,47,47,47	0
56	MG	2A	3159	1/1	0.92	0.23	-	71,71,71,71	0
56	MG	1A	3911	1/1	0.96	0.11	-	46,46,46,46	0
56	MG	2A	3164	1/1	0.97	0.14	-	37,37,37,37	0
56	MG	2A	3301	1/1	0.91	0.12	-	43,43,43,43	0
56	MG	1a	1860	1/1	0.93	0.08	-	49,49,49,49	0
56	MG	2a	1763	1/1	0.85	0.13	-	57,57,57,57	0
56	MG	1Z	302	1/1	0.95	0.11	-	56,56,56,56	0
56	MG	1A	3451	1/1	0.86	0.07	-	52,52,52,52	0
56	MG	1A	3698	1/1	0.91	0.14	-	26,26,26,26	0
56	MG	1A	3266	1/1	0.78	0.19	-	57,57,57,57	0
56	MG	1A	3622	1/1	0.97	0.08	-	61,61,61,61	0
56	MG	1a	1620	1/1	0.96	0.12	-	72,72,72,72	0
56	MG	2A	3149	1/1	0.94	0.14	-	39,39,39,39	0
56	MG	1A	3159	1/1	0.93	0.15	-	69,69,69,69	0
56	MG	2A	3121	1/1	0.91	0.20	-	35,35,35,35	0
56	MG	1a	1792	1/1	0.89	0.27	-	63,63,63,63	0
56	MG	2p	101	1/1	0.96	0.26	-	62,62,62,62	0
56	MG	1a	1852	1/1	0.91	0.12	-	51,51,51,51	0
56	MG	1A	3902	1/1	0.93	0.16	-	70,70,70,70	0
56	MG	2a	1665	1/1	0.97	0.27	-	41,41,41,41	0
56	MG	1A	4023	1/1	0.95	0.14	-	39,39,39,39	0
56	MG	1A	3034	1/1	0.94	0.17	-	57,57,57,57	0
56	MG	1B	226	1/1	0.96	0.12	-	47,47,47,47	0
56	MG	2a	1739	1/1	0.82	0.25	-	73,73,73,73	0
56	MG	2a	1741	1/1	0.50	0.24	-	89,89,89,89	0
56	MG	1A	3521	1/1	0.80	0.31	-	51,51,51,51	0
56	MG	1A	3600	1/1	0.96	0.12	-	50,50,50,50	0
56	MG	1A	3419	1/1	0.94	0.13	-	47,47,47,47	0
56	MG	1A	3531	1/1	0.93	0.06	-	68,68,68,68	0
56	MG	1A	3943	1/1	0.93	0.12	-	54,54,54,54	0
56	MG	2a	1747	1/1	0.78	0.14	-	45,45,45,45	0
56	MG	1A	3350	1/1	0.93	0.27	-	67,67,67,67	0
56	MG	2a	1708	1/1	0.94	0.15	-	59,59,59,59	0
56	MG	1A	3496	1/1	0.72	0.15	-	57,57,57,57	0
56	MG	1A	3281	1/1	0.93	0.16	-	53,53,53,53	0
56	MG	1A	3279	1/1	0.92	0.40	-	53,53,53,53	0
56	MG	1A	3101	1/1	0.96	0.19	-	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3449	1/1	0.95	0.12	-	52,52,52,52	0
56	MG	2A	3437	1/1	0.77	0.19	-	56,56,56,56	0
56	MG	2A	3455	1/1	0.97	0.09	-	45,45,45,45	0
56	MG	2A	3111	1/1	0.93	0.13	-	36,36,36,36	0
56	MG	1A	3486	1/1	0.81	0.34	-	70,70,70,70	0
56	MG	1A	3856	1/1	0.83	0.12	-	48,48,48,48	0
56	MG	1A	3849	1/1	0.92	0.08	-	55,55,55,55	0
56	MG	2A	3364	1/1	0.92	0.18	-	42,42,42,42	0
56	MG	1A	3306	1/1	0.88	0.19	-	47,47,47,47	0
56	MG	2A	3300	1/1	0.98	0.15	-	50,50,50,50	0
56	MG	2a	1607	1/1	0.88	0.22	-	54,54,54,54	0
56	MG	2l	203	1/1	0.82	0.09	-	55,55,55,55	0
56	MG	2a	1807	1/1	0.96	0.18	-	46,46,46,46	0
56	MG	1A	3450	1/1	0.95	0.16	-	54,54,54,54	0
56	MG	1F	306	1/1	0.91	0.26	-	49,49,49,49	0
56	MG	2A	3276	1/1	0.82	0.09	-	58,58,58,58	0
56	MG	10	105	1/1	0.77	0.15	-	61,61,61,61	0
56	MG	2A	3131	1/1	0.97	0.10	-	46,46,46,46	0
56	MG	2a	1695	1/1	0.80	0.16	-	58,58,58,58	0
56	MG	2A	3236	1/1	0.98	0.14	-	55,55,55,55	0
56	MG	1A	3213	1/1	0.92	0.09	-	63,63,63,63	0
56	MG	1A	3295	1/1	0.97	0.28	-	50,50,50,50	0
56	MG	1a	1684	1/1	0.96	0.08	-	52,52,52,52	0
56	MG	1a	1751	1/1	0.90	0.22	-	60,60,60,60	0
56	MG	1A	3986	1/1	0.90	0.18	-	38,38,38,38	0
56	MG	1A	3258	1/1	0.93	0.22	-	43,43,43,43	0
56	MG	1N	204	1/1	0.97	0.19	-	36,36,36,36	0
56	MG	1a	1885	1/1	0.97	0.21	-	49,49,49,49	0
56	MG	1A	3829	1/1	0.91	0.19	-	49,49,49,49	0
56	MG	1A	3508	1/1	0.90	0.23	-	52,52,52,52	0
56	MG	1A	4011	1/1	0.94	0.12	-	48,48,48,48	0
56	MG	1A	3416	1/1	0.86	0.22	-	56,56,56,56	0
56	MG	1A	3478	1/1	0.95	0.32	-	50,50,50,50	0
56	MG	1A	3087	1/1	0.94	0.29	-	52,52,52,52	0
56	MG	1x	102	1/1	0.98	0.14	-	42,42,42,42	0
56	MG	2a	1787	1/1	0.96	0.20	-	67,67,67,67	0
56	MG	2a	1757	1/1	0.94	0.17	-	60,60,60,60	0
56	MG	1A	3573	1/1	0.97	0.11	-	38,38,38,38	0
56	MG	1a	1815	1/1	0.96	0.12	-	72,72,72,72	0
56	MG	1a	1686	1/1	0.91	0.15	-	48,48,48,48	0
56	MG	2A	3467	1/1	0.97	0.18	-	39,39,39,39	0
56	MG	1Q	3007	1/1	0.84	0.22	-	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	3336	1/1	0.53	0.25	-	62,62,62,62	0
56	MG	2A	3026	1/1	0.94	0.44	-	54,54,54,54	0
56	MG	1W	3004	1/1	0.96	0.23	-	34,34,34,34	0
56	MG	1A	3356	1/1	0.87	0.35	-	56,56,56,56	0
56	MG	1a	1615	1/1	0.91	0.13	-	66,66,66,66	0
56	MG	2A	3022	1/1	0.93	0.12	-	42,42,42,42	0
56	MG	1a	1784	1/1	0.70	0.23	-	95,95,95,95	0
56	MG	1A	3880	1/1	0.95	0.08	-	76,76,76,76	0
56	MG	1a	1623	1/1	0.89	0.29	-	71,71,71,71	0
56	MG	1A	3822	1/1	0.92	0.07	-	48,48,48,48	0
56	MG	1A	3123	1/1	0.88	0.20	-	43,43,43,43	0
56	MG	2A	3238	1/1	0.96	0.10	-	45,45,45,45	0
56	MG	2A	3269	1/1	0.88	0.21	-	52,52,52,52	0
56	MG	1x	105	1/1	0.77	0.15	-	65,65,65,65	0
56	MG	1A	4076	1/1	0.97	0.16	-	36,36,36,36	0
56	MG	1A	3310	1/1	0.96	0.16	-	51,51,51,51	0
56	MG	1A	3683	1/1	0.98	0.21	-	48,48,48,48	0
56	MG	1B	209	1/1	0.89	0.19	-	66,66,66,66	0
56	MG	2A	3040	1/1	0.89	0.18	-	60,60,60,60	0
56	MG	2a	1616	1/1	0.86	0.17	-	61,61,61,61	0
56	MG	1a	1788	1/1	0.97	0.12	-	71,71,71,71	0
56	MG	1A	3727	1/1	0.96	0.20	-	43,43,43,43	0
56	MG	1A	3657	1/1	0.94	0.17	-	48,48,48,48	0
56	MG	1A	3973	1/1	0.94	0.14	-	29,29,29,29	0
56	MG	1E	303	1/1	0.98	0.20	-	14,14,14,14	0
56	MG	2A	3242	1/1	0.91	0.27	-	53,53,53,53	0
56	MG	1A	3345	1/1	0.90	0.13	-	51,51,51,51	0
56	MG	1A	3750	1/1	0.90	0.26	-	41,41,41,41	0
56	MG	17	105	1/1	0.87	0.20	-	44,44,44,44	0
56	MG	1A	3560	1/1	0.96	0.18	-	37,37,37,37	0
56	MG	2a	1703	1/1	0.87	0.17	-	57,57,57,57	0
56	MG	2a	1797	1/1	0.97	0.14	-	57,57,57,57	0
56	MG	1A	3712	1/1	0.95	0.24	-	29,29,29,29	0
56	MG	1A	3596	1/1	0.89	0.18	-	45,45,45,45	0
56	MG	1P	203	1/1	0.96	0.28	-	52,52,52,52	0
56	MG	1a	1786	1/1	0.78	0.16	-	71,71,71,71	0
56	MG	1A	3920	1/1	0.93	0.32	-	87,87,87,87	0
56	MG	1A	3772	1/1	0.95	0.24	-	51,51,51,51	0
56	MG	2A	3079	1/1	0.86	0.08	-	45,45,45,45	0
56	MG	2A	3039	1/1	0.93	0.43	-	45,45,45,45	0
56	MG	1A	3402	1/1	0.93	0.20	-	51,51,51,51	0
56	MG	1A	3955	1/1	0.92	0.17	-	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	2A	3214	1/1	0.94	0.11	-	42,42,42,42	0
56	MG	1A	3057	1/1	0.94	0.20	-	49,49,49,49	0
56	MG	2A	3225	1/1	0.85	0.23	-	50,50,50,50	0
56	MG	1A	4087	1/1	0.96	0.10	-	37,37,37,37	0
56	MG	2k	3001	1/1	0.97	0.07	-	60,60,60,60	0
56	MG	1A	3031	1/1	0.91	0.14	-	60,60,60,60	0
56	MG	1A	3979	1/1	0.98	0.22	-	32,32,32,32	0
56	MG	1A	3965	1/1	0.88	0.14	-	39,39,39,39	0
56	MG	1A	4059	1/1	0.78	0.24	-	52,52,52,52	0
56	MG	1A	3349	1/1	0.86	0.13	-	46,46,46,46	0
56	MG	2A	3492	1/1	0.71	0.18	-	43,43,43,43	0
56	MG	2A	3521	1/1	0.96	0.20	-	38,38,38,38	0
56	MG	1A	3747	1/1	0.95	0.14	-	64,64,64,64	0
56	MG	25	502	1/1	0.96	0.52	-	52,52,52,52	0
56	MG	1A	3912	1/1	0.79	0.17	-	55,55,55,55	0
56	MG	1A	3702	1/1	0.93	0.22	-	48,48,48,48	0
56	MG	1A	3272	1/1	0.94	0.16	-	60,60,60,60	0
56	MG	1A	4064	1/1	0.81	0.21	-	69,69,69,69	0
56	MG	2A	3072	1/1	0.97	0.35	-	40,40,40,40	0
56	MG	1A	3447	1/1	0.90	0.23	-	47,47,47,47	0
56	MG	1A	3809	1/1	0.92	0.12	-	43,43,43,43	0
56	MG	1a	1689	1/1	0.97	0.05	-	61,61,61,61	0
56	MG	1a	1775	1/1	0.98	0.16	-	55,55,55,55	0
56	MG	1A	3301	1/1	0.83	0.17	-	85,85,85,85	0
56	MG	2A	3226	1/1	0.89	0.15	-	72,72,72,72	0
56	MG	1A	3376	1/1	0.67	0.31	-	55,55,55,55	0
56	MG	1A	3733	1/1	0.94	0.14	-	44,44,44,44	0
56	MG	1A	3304	1/1	0.89	0.20	-	72,72,72,72	0
56	MG	1F	307	1/1	0.97	0.18	-	41,41,41,41	0
56	MG	2A	3498	1/1	0.93	0.12	-	63,63,63,63	0
56	MG	1A	3403	1/1	0.96	0.07	-	38,38,38,38	0
56	MG	1A	3368	1/1	0.93	0.12	-	53,53,53,53	0
56	MG	2a	1628	1/1	0.92	0.54	-	66,66,66,66	0
56	MG	2a	1644	1/1	0.93	0.12	-	47,47,47,47	0
56	MG	2B	3002	1/1	0.91	0.09	-	65,65,65,65	0
56	MG	1A	3351	1/1	0.93	0.29	-	47,47,47,47	0
56	MG	2A	3007	1/1	0.93	0.26	-	57,57,57,57	0
56	MG	2A	3132	1/1	0.90	0.09	-	52,52,52,52	0
56	MG	2A	3127	1/1	0.96	0.57	-	45,45,45,45	0
56	MG	2A	3530	1/1	0.96	0.14	-	46,46,46,46	0
56	MG	1A	3925	1/1	0.97	0.15	-	50,50,50,50	0
56	MG	1A	3476	1/1	0.88	0.14	-	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
56	MG	1a	1810	1/1	0.87	0.11	-	69,69,69,69	0
56	MG	1A	3313	1/1	0.96	0.08	-	50,50,50,50	0
56	MG	2A	3005	1/1	0.92	0.18	-	59,59,59,59	0
56	MG	1a	1894	1/1	0.81	0.39	-	72,72,72,72	0
56	MG	1A	3835	1/1	0.91	0.13	-	57,57,57,57	0
56	MG	1B	213	1/1	0.73	0.10	-	68,68,68,68	0
56	MG	1a	1608	1/1	0.97	0.12	-	73,73,73,73	0
56	MG	1A	3198	1/1	0.98	0.12	-	46,46,46,46	0
56	MG	1T	203	1/1	0.87	0.30	-	50,50,50,50	0
56	MG	16	104	1/1	0.95	0.28	-	43,43,43,43	0
56	MG	2a	1792	1/1	0.91	0.16	-	44,44,44,44	0
56	MG	1A	3389	1/1	0.77	0.34	-	50,50,50,50	0
56	MG	1A	3108	1/1	0.86	0.20	-	51,51,51,51	0
56	MG	1A	3815	1/1	0.92	0.10	-	52,52,52,52	0
56	MG	2A	3096	1/1	0.94	0.14	-	43,43,43,43	0
56	MG	2a	1697	1/1	0.89	0.09	-	60,60,60,60	0
56	MG	1A	3766	1/1	0.94	0.13	-	43,43,43,43	0
56	MG	1A	3462	1/1	0.92	0.15	-	62,62,62,62	0
56	MG	1A	3793	1/1	0.96	0.22	-	50,50,50,50	0
56	MG	2A	3188	1/1	0.89	0.14	-	54,54,54,54	0
56	MG	2A	3010	1/1	0.90	0.12	-	46,46,46,46	0
56	MG	1A	3672	1/1	0.98	0.11	-	17,17,17,17	0
56	MG	1A	3073	1/1	0.89	0.27	-	49,49,49,49	0
56	MG	2l	201	1/1	0.96	0.10	-	66,66,66,66	0
56	MG	1A	3722	1/1	0.84	0.14	-	62,62,62,62	0
56	MG	1A	3236	1/1	0.96	0.06	-	50,50,50,50	0
56	MG	2Q	3004	1/1	0.92	0.22	-	38,38,38,38	0
56	MG	1a	1747	1/1	0.97	0.13	-	43,43,43,43	0
56	MG	1A	3131	1/1	0.98	0.27	-	50,50,50,50	0
56	MG	2A	3502	1/1	0.93	0.09	-	47,47,47,47	0
56	MG	1a	1828	1/1	0.97	0.16	-	45,45,45,45	0
56	MG	1A	3525	1/1	0.95	0.24	-	54,54,54,54	0
56	MG	1A	3919	1/1	0.94	0.18	-	48,48,48,48	0
56	MG	1A	3563	1/1	0.81	0.18	-	62,62,62,62	0
56	MG	2A	3343	1/1	0.92	0.16	-	53,53,53,53	0
56	MG	1A	3684	1/1	0.95	0.15	-	21,21,21,21	0
56	MG	1A	3252	1/1	0.95	0.18	-	29,29,29,29	0
56	MG	1A	3897	1/1	0.95	0.16	-	46,46,46,46	0
56	MG	1A	3208	1/1	0.94	0.20	-	51,51,51,51	0
56	MG	2A	3182	1/1	0.95	0.14	-	47,47,47,47	0
56	MG	1A	4060	1/1	0.94	0.18	-	56,56,56,56	0
56	MG	1a	1850	1/1	0.94	0.17	-	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	3333	1/1	0.94	0.11	-	53,53,53,53	0
56	MG	1A	3607	1/1	0.98	0.09	-	27,27,27,27	0
56	MG	2A	3107	1/1	0.75	0.26	-	54,54,54,54	0
56	MG	2A	3468	1/1	0.87	0.19	-	57,57,57,57	0
56	MG	2a	1667	1/1	0.83	0.36	-	69,69,69,69	0
56	MG	1A	3802	1/1	0.95	0.16	-	36,36,36,36	0
56	MG	1a	1799	1/1	0.96	0.15	-	39,39,39,39	0
56	MG	2A	3168	1/1	0.95	0.12	-	43,43,43,43	0
56	MG	1A	4038	1/1	0.84	0.26	-	63,63,63,63	0
56	MG	2A	3377	1/1	0.96	0.18	-	39,39,39,39	0
56	MG	1A	3160	1/1	0.90	0.22	-	53,53,53,53	0
56	MG	2A	3359	1/1	0.91	0.13	-	49,49,49,49	0
56	MG	1A	3686	1/1	0.94	0.08	-	36,36,36,36	0
56	MG	1A	3585	1/1	0.95	0.14	-	20,20,20,20	0
56	MG	1A	3363	1/1	0.89	0.19	-	65,65,65,65	0
56	MG	2A	3337	1/1	0.94	0.32	-	59,59,59,59	0
56	MG	1A	3598	1/1	0.92	0.16	-	48,48,48,48	0
56	MG	1a	1772	1/1	0.76	0.09	-	83,83,83,83	0
56	MG	1A	3088	1/1	0.94	0.09	-	47,47,47,47	0
56	MG	2A	3483	1/1	0.93	0.09	-	43,43,43,43	0
56	MG	2A	3015	1/1	0.92	0.12	-	57,57,57,57	0
56	MG	1a	1676	1/1	0.96	0.23	-	49,49,49,49	0
56	MG	1A	3489	1/1	0.88	0.12	-	41,41,41,41	0
56	MG	1A	3242	1/1	0.86	0.23	-	30,30,30,30	0
56	MG	1A	3425	1/1	0.97	0.22	-	62,62,62,62	0
56	MG	1A	3448	1/1	0.94	0.10	-	58,58,58,58	0
56	MG	1B	204	1/1	0.82	0.17	-	59,59,59,59	0
56	MG	1A	3904	1/1	0.95	0.08	-	64,64,64,64	0
56	MG	1A	4037	1/1	0.87	0.35	-	54,54,54,54	0
56	MG	1A	3719	1/1	0.97	0.12	-	34,34,34,34	0
56	MG	10	106	1/1	0.93	0.52	-	72,72,72,72	0
56	MG	1A	3553	1/1	0.94	0.21	-	50,50,50,50	0
56	MG	2a	1793	1/1	0.96	0.11	-	58,58,58,58	0
56	MG	1A	3444	1/1	0.96	0.15	-	63,63,63,63	0
56	MG	2A	3542	1/1	0.89	0.09	-	41,41,41,41	0
56	MG	1A	3933	1/1	0.96	0.07	-	42,42,42,42	0
56	MG	1A	3265	1/1	0.93	0.19	-	52,52,52,52	0
56	MG	2A	3212	1/1	0.77	0.27	-	64,64,64,64	0
56	MG	2A	3237	1/1	0.90	0.14	-	46,46,46,46	0
56	MG	1a	1886	1/1	0.94	0.13	-	60,60,60,60	0
56	MG	2a	1779	1/1	0.96	0.10	-	39,39,39,39	0
56	MG	1A	3935	1/1	0.83	0.23	-	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	1F	303	1/1	0.98	0.08	-	35,35,35,35	0
56	MG	2a	1671	1/1	0.93	0.35	-	53,53,53,53	0
56	MG	1a	1794	1/1	0.95	0.12	-	60,60,60,60	0
56	MG	1A	4026	1/1	0.97	0.22	-	45,45,45,45	0
56	MG	2B	3001	1/1	0.93	0.20	-	57,57,57,57	0
56	MG	1A	3926	1/1	0.97	0.06	-	52,52,52,52	0
56	MG	2A	3060	1/1	0.87	0.14	-	50,50,50,50	0
56	MG	1A	3358	1/1	0.94	0.14	-	55,55,55,55	0
56	MG	1A	3096	1/1	0.98	0.07	-	46,46,46,46	0
56	MG	1a	1734	1/1	0.94	0.33	-	54,54,54,54	0
56	MG	1A	3944	1/1	0.94	0.50	-	50,50,50,50	0
56	MG	1a	1830	1/1	0.90	0.14	-	59,59,59,59	0
56	MG	1A	3377	1/1	0.95	0.39	-	43,43,43,43	0
56	MG	1A	3721	1/1	0.96	0.10	-	51,51,51,51	0
56	MG	2B	3007	1/1	0.97	0.14	-	48,48,48,48	0
56	MG	1a	1625	1/1	0.96	0.15	-	51,51,51,51	0
56	MG	2A	3313	1/1	0.90	0.06	-	57,57,57,57	0
56	MG	2B	3004	1/1	0.88	0.23	-	45,45,45,45	0
56	MG	1a	1823	1/1	0.94	0.19	-	54,54,54,54	0
56	MG	1A	3568	1/1	0.94	0.30	-	53,53,53,53	0
56	MG	1A	3472	1/1	0.95	0.09	-	46,46,46,46	0
56	MG	1a	1797	1/1	0.91	0.17	-	54,54,54,54	0
56	MG	2A	3346	1/1	0.93	0.12	-	44,44,44,44	0
56	MG	1A	4079	1/1	0.96	0.41	-	49,49,49,49	0
56	MG	1A	3811	1/1	0.95	0.15	-	34,34,34,34	0
56	MG	1A	3570	1/1	0.71	0.13	-	32,32,32,32	0
56	MG	1A	3013	1/1	0.96	0.06	-	50,50,50,50	0
56	MG	1A	3009	1/1	0.86	0.10	-	47,47,47,47	0
56	MG	1A	3362	1/1	0.95	0.31	-	41,41,41,41	0
56	MG	1A	3732	1/1	0.84	0.12	-	67,67,67,67	0
56	MG	1a	1773	1/1	0.91	0.12	-	65,65,65,65	0
56	MG	1A	3513	1/1	0.92	0.20	-	58,58,58,58	0
56	MG	2a	1621	1/1	0.87	0.30	-	53,53,53,53	0
56	MG	1A	3297	1/1	0.94	0.15	-	41,41,41,41	0
56	MG	2a	1749	1/1	0.73	0.23	-	66,66,66,66	0
56	MG	2A	3047	1/1	0.92	0.22	-	48,48,48,48	0
56	MG	2a	1686	1/1	0.94	0.08	-	49,49,49,49	0
56	MG	1A	3893	1/1	0.84	0.17	-	53,53,53,53	0
56	MG	1A	3746	1/1	0.87	0.12	-	38,38,38,38	0
56	MG	2A	3478	1/1	0.89	0.05	-	42,42,42,42	0
56	MG	1A	3939	1/1	0.96	0.35	-	30,30,30,30	0
56	MG	1a	1609	1/1	0.84	0.32	-	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	1a	1871	1/1	0.94	0.13	-	50,50,50,50	0
56	MG	1a	1875	1/1	0.93	0.19	-	61,61,61,61	0
56	MG	2A	3006	1/1	0.90	0.13	-	54,54,54,54	0
56	MG	1a	1622	1/1	0.94	0.18	-	59,59,59,59	0
56	MG	2A	3326	1/1	0.94	0.28	-	50,50,50,50	0
56	MG	2A	3317	1/1	0.94	0.11	-	37,37,37,37	0
56	MG	1A	3064	1/1	0.96	0.07	-	57,57,57,57	0
56	MG	2a	1653	1/1	0.94	0.08	-	60,60,60,60	0
56	MG	2a	1772	1/1	0.94	0.32	-	63,63,63,63	0
56	MG	2A	3352	1/1	0.76	0.14	-	62,62,62,62	0
56	MG	1F	302	1/1	0.96	0.07	-	42,42,42,42	0
56	MG	1a	1748	1/1	0.88	0.24	-	56,56,56,56	0
56	MG	1A	3558	1/1	0.83	0.25	-	65,65,65,65	0
56	MG	1E	306	1/1	0.96	0.12	-	51,51,51,51	0
56	MG	2A	3001	1/1	0.85	0.20	-	39,39,39,39	0
56	MG	2a	1673	1/1	0.97	0.45	-	52,52,52,52	0
56	MG	1A	3487	1/1	0.97	0.12	-	41,41,41,41	0
56	MG	1A	4029	1/1	0.83	0.20	-	61,61,61,61	0
56	MG	2A	3009	1/1	0.93	0.42	-	45,45,45,45	0
56	MG	2A	3512	1/1	0.94	0.36	-	32,32,32,32	0
56	MG	1A	3044	1/1	0.90	0.54	-	38,38,38,38	0
56	MG	1A	3094	1/1	0.96	0.11	-	42,42,42,42	0
56	MG	2A	3082	1/1	0.91	0.20	-	55,55,55,55	0
56	MG	1a	1744	1/1	0.97	0.09	-	53,53,53,53	0
56	MG	1A	3106	1/1	0.96	0.17	-	57,57,57,57	0
56	MG	2A	3255	1/1	0.95	0.15	-	42,42,42,42	0
56	MG	1a	1877	1/1	0.95	0.05	-	65,65,65,65	0
56	MG	2A	3496	1/1	0.59	0.42	-	66,66,66,66	0
56	MG	2a	1668	1/1	0.91	0.31	-	42,42,42,42	0
56	MG	2A	3307	1/1	0.96	0.07	-	63,63,63,63	0
56	MG	1A	3058	1/1	0.98	0.37	-	63,63,63,63	0
56	MG	1A	3365	1/1	0.95	0.13	-	57,57,57,57	0
56	MG	2a	1623	1/1	0.81	0.50	-	63,63,63,63	0
56	MG	2a	1693	1/1	0.97	0.19	-	67,67,67,67	0
56	MG	1A	3461	1/1	0.80	0.24	-	57,57,57,57	0
56	MG	2A	3066	1/1	0.95	0.26	-	59,59,59,59	0
56	MG	1A	3300	1/1	0.83	0.27	-	28,28,28,28	0
56	MG	2q	3001	1/1	0.87	0.23	-	54,54,54,54	0
56	MG	2a	1813	1/1	0.92	0.33	-	72,72,72,72	0
56	MG	1a	1890	1/1	0.94	0.34	-	66,66,66,66	0
56	MG	2a	1694	1/1	0.89	0.07	-	61,61,61,61	0
56	MG	1A	4025	1/1	0.98	0.18	-	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	1a	1685	1/1	0.88	0.12	-	37,37,37,37	0
56	MG	1a	1903	1/1	0.96	0.16	-	72,72,72,72	0
56	MG	19	104	1/1	0.93	0.13	-	46,46,46,46	0
56	MG	1A	3848	1/1	0.97	0.11	-	69,69,69,69	0
56	MG	1A	3126	1/1	0.92	0.26	-	44,44,44,44	0
56	MG	1A	3675	1/1	0.96	0.20	-	21,21,21,21	0
56	MG	1A	3670	1/1	0.92	0.17	-	19,19,19,19	0
56	MG	2A	3333	1/1	0.97	0.16	-	45,45,45,45	0
56	MG	1a	1739	1/1	0.86	0.13	-	54,54,54,54	0
56	MG	1A	3124	1/1	0.89	0.35	-	49,49,49,49	0
56	MG	1A	3637	1/1	0.99	0.31	-	31,31,31,31	0
56	MG	1a	1607	1/1	0.96	0.20	-	62,62,62,62	0
56	MG	2a	1723	1/1	0.94	0.39	-	67,67,67,67	0
56	MG	1A	3367	1/1	0.96	0.24	-	53,53,53,53	0
56	MG	1A	3832	1/1	0.94	0.12	-	36,36,36,36	0
56	MG	2A	3038	1/1	0.97	0.20	-	46,46,46,46	0
56	MG	1A	3882	1/1	0.93	0.06	-	49,49,49,49	0
56	MG	1A	3561	1/1	0.83	0.29	-	55,55,55,55	0
56	MG	1A	3177	1/1	0.87	0.11	-	52,52,52,52	0
56	MG	2a	1702	1/1	0.96	0.14	-	64,64,64,64	0
56	MG	1B	222	1/1	0.92	0.13	-	62,62,62,62	0
56	MG	2a	1683	1/1	0.99	0.12	-	43,43,43,43	0
56	MG	1A	3227	1/1	0.98	0.14	-	27,27,27,27	0
56	MG	1A	3806	1/1	0.93	0.07	-	65,65,65,65	0
56	MG	2A	3028	1/1	0.93	0.21	-	45,45,45,45	0
56	MG	1B	210	1/1	0.93	0.11	-	50,50,50,50	0
56	MG	1A	3649	1/1	0.96	0.13	-	54,54,54,54	0
56	MG	2A	3154	1/1	0.95	0.31	-	39,39,39,39	0
56	MG	2e	201	1/1	0.84	0.24	-	71,71,71,71	0
56	MG	1a	1670	1/1	0.89	0.38	-	60,60,60,60	0
56	MG	1B	223	1/1	0.98	0.18	-	48,48,48,48	0
56	MG	1A	3713	1/1	0.91	0.17	-	48,48,48,48	0
56	MG	1a	1606	1/1	0.77	0.09	-	62,62,62,62	0
56	MG	1o	3002	1/1	0.93	0.13	-	57,57,57,57	0
56	MG	2a	1808	1/1	0.90	0.08	-	73,73,73,73	0
56	MG	2A	3425	1/1	0.95	0.10	-	46,46,46,46	0
56	MG	1G	3002	1/1	0.83	0.12	-	48,48,48,48	0
56	MG	1A	3115	1/1	0.96	0.19	-	48,48,48,48	0
56	MG	2A	3220	1/1	0.92	0.15	-	43,43,43,43	0
56	MG	1h	3001	1/1	0.70	0.12	-	70,70,70,70	0
56	MG	1a	1601	1/1	0.86	0.28	-	62,62,62,62	0
56	MG	1A	3991	1/1	0.87	0.28	-	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1l	201	1/1	0.52	0.13	-	74,74,74,74	0
56	MG	2A	3396	1/1	0.90	0.18	-	64,64,64,64	0
56	MG	1B	227	1/1	0.71	0.52	-	70,70,70,70	0
56	MG	1A	3867	1/1	0.97	0.25	-	48,48,48,48	0
56	MG	1A	3032	1/1	0.94	0.21	-	66,66,66,66	0
56	MG	1A	3905	1/1	0.87	0.21	-	43,43,43,43	0
56	MG	2A	3407	1/1	0.94	0.20	-	68,68,68,68	0
56	MG	1A	3586	1/1	0.94	0.18	-	55,55,55,55	0
56	MG	1A	3329	1/1	0.86	0.13	-	52,52,52,52	0
56	MG	1a	1818	1/1	0.90	0.33	-	69,69,69,69	0
56	MG	2A	3178	1/1	0.90	0.06	-	52,52,52,52	0
56	MG	1A	3575	1/1	0.96	0.09	-	62,62,62,62	0
56	MG	1A	3392	1/1	0.88	0.14	-	44,44,44,44	0
56	MG	1x	110	1/1	0.90	0.09	-	53,53,53,53	0
56	MG	1A	3082	1/1	0.97	0.37	-	65,65,65,65	0
56	MG	2A	3065	1/1	0.93	0.22	-	56,56,56,56	0
56	MG	1T	202	1/1	0.95	0.08	-	38,38,38,38	0
56	MG	1a	1692	1/1	0.92	0.05	-	61,61,61,61	0
56	MG	1A	3319	1/1	0.84	0.15	-	50,50,50,50	0
56	MG	1A	3950	1/1	0.93	0.41	-	68,68,68,68	0
56	MG	1A	3318	1/1	0.93	0.23	-	53,53,53,53	0
56	MG	1A	3891	1/1	0.76	0.28	-	65,65,65,65	0
56	MG	2a	1783	1/1	0.95	0.20	-	59,59,59,59	0
56	MG	1A	3251	1/1	0.96	0.15	-	58,58,58,58	0
56	MG	1A	3998	1/1	0.81	0.11	-	47,47,47,47	0
56	MG	2A	3500	1/1	0.97	0.35	-	53,53,53,53	0
56	MG	1a	1721	1/1	0.95	0.34	-	36,36,36,36	0
56	MG	2a	1646	1/1	0.99	0.14	-	70,70,70,70	0
56	MG	1A	3934	1/1	0.98	0.06	-	52,52,52,52	0
56	MG	2a	1738	1/1	0.94	0.10	-	58,58,58,58	0
56	MG	2A	3141	1/1	0.97	0.23	-	37,37,37,37	0
56	MG	2a	1746	1/1	0.96	0.14	-	46,46,46,46	0
56	MG	2A	3073	1/1	0.89	0.40	-	43,43,43,43	0
56	MG	1a	1757	1/1	0.96	0.07	-	50,50,50,50	0
56	MG	1a	1682	1/1	0.95	0.21	-	48,48,48,48	0
56	MG	1a	1648	1/1	0.92	0.23	-	60,60,60,60	0
56	MG	1A	3439	1/1	0.96	0.12	-	64,64,64,64	0
56	MG	1A	3901	1/1	0.97	0.07	-	40,40,40,40	0
56	MG	2A	3369	1/1	0.97	0.34	-	45,45,45,45	0
56	MG	1A	3143	1/1	0.95	0.22	-	41,41,41,41	0
56	MG	1A	3437	1/1	0.87	0.15	-	51,51,51,51	0
56	MG	1A	3694	1/1	0.69	0.16	-	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
56	MG	1A	3008	1/1	0.93	0.22	-	53,53,53,53	0
56	MG	2A	3417	1/1	0.95	0.09	-	42,42,42,42	0
56	MG	1A	3029	1/1	0.97	0.28	-	40,40,40,40	0
56	MG	1A	4003	1/1	0.83	0.19	-	53,53,53,53	0
56	MG	1a	1814	1/1	0.98	0.11	-	61,61,61,61	0
56	MG	2A	3037	1/1	0.93	0.13	-	44,44,44,44	0
56	MG	2d	502	1/1	0.96	0.30	-	48,48,48,48	0
56	MG	2a	1635	1/1	0.90	0.14	-	88,88,88,88	0
56	MG	1A	3149	1/1	0.97	0.13	-	35,35,35,35	0
56	MG	2A	3069	1/1	0.97	0.36	-	52,52,52,52	0
56	MG	1a	1647	1/1	0.94	0.10	-	45,45,45,45	0
56	MG	1A	3382	1/1	0.95	0.56	-	59,59,59,59	0
56	MG	1A	3823	1/1	0.94	0.13	-	62,62,62,62	0
56	MG	2a	1602	1/1	0.92	0.17	-	41,41,41,41	0
56	MG	2A	3523	1/1	0.95	0.18	-	57,57,57,57	0
56	MG	1A	3327	1/1	0.90	0.07	-	64,64,64,64	0
56	MG	1B	217	1/1	0.99	0.14	-	55,55,55,55	0
56	MG	2A	3266	1/1	0.90	0.19	-	76,76,76,76	0
56	MG	1A	3526	1/1	0.97	0.40	-	41,41,41,41	0
56	MG	1A	3548	1/1	0.97	0.13	-	44,44,44,44	0
56	MG	1A	3022	1/1	0.92	0.15	-	46,46,46,46	0
56	MG	2A	3424	1/1	0.92	0.14	-	44,44,44,44	0
56	MG	1A	3280	1/1	0.74	0.11	-	76,76,76,76	0
56	MG	2A	3389	1/1	0.92	0.11	-	52,52,52,52	0
56	MG	1A	3574	1/1	0.93	0.23	-	29,29,29,29	0
56	MG	1A	3052	1/1	0.93	0.18	-	49,49,49,49	0
56	MG	2B	3008	1/1	0.94	0.20	-	69,69,69,69	0
56	MG	2A	3328	1/1	0.99	0.05	-	47,47,47,47	0
56	MG	2A	3243	1/1	0.92	0.14	-	27,27,27,27	0
56	MG	1A	3418	1/1	0.96	0.10	-	53,53,53,53	0
56	MG	1a	1731	1/1	0.98	0.44	-	42,42,42,42	0
56	MG	1A	3098	1/1	0.94	0.19	-	44,44,44,44	0
56	MG	2a	1795	1/1	0.89	0.15	-	53,53,53,53	0
56	MG	1A	3952	1/1	0.94	0.07	-	66,66,66,66	0
56	MG	1A	4022	1/1	0.92	0.06	-	64,64,64,64	0
56	MG	1A	3792	1/1	0.88	0.20	-	26,26,26,26	0
56	MG	2A	3505	1/1	0.92	0.09	-	42,42,42,42	0
56	MG	2A	3332	1/1	0.93	0.21	-	48,48,48,48	0
56	MG	2a	1726	1/1	0.81	0.39	-	59,59,59,59	0
56	MG	1N	208	1/1	0.98	0.08	-	47,47,47,47	0
56	MG	1A	3708	1/1	0.95	0.14	-	46,46,46,46	0
56	MG	2a	1696	1/1	0.98	0.15	-	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	3402	1/1	0.95	0.15	-	44,44,44,44	0
56	MG	2x	3005	1/1	0.84	0.08	-	80,80,80,80	0
56	MG	1a	1715	1/1	0.94	0.20	-	47,47,47,47	0
56	MG	1A	4050	1/1	0.80	0.37	-	55,55,55,55	0
56	MG	2A	3143	1/1	0.97	0.32	-	49,49,49,49	0
56	MG	2A	3404	1/1	0.93	0.25	-	55,55,55,55	0
56	MG	1A	4018	1/1	0.93	0.18	-	49,49,49,49	0
56	MG	1A	3456	1/1	0.87	0.15	-	52,52,52,52	0
56	MG	2A	3163	1/1	0.92	0.17	-	52,52,52,52	0
56	MG	1A	3307	1/1	0.62	0.49	-	61,61,61,61	0
56	MG	1A	3309	1/1	0.95	0.10	-	48,48,48,48	0
56	MG	2F	302	1/1	0.90	0.06	-	36,36,36,36	0
56	MG	2A	3545	1/1	0.91	0.14	-	69,69,69,69	0
56	MG	1a	1693	1/1	0.93	0.19	-	55,55,55,55	0
56	MG	1A	3340	1/1	0.97	0.07	-	43,43,43,43	0
56	MG	1A	3762	1/1	0.79	0.08	-	60,60,60,60	0
56	MG	1A	3593	1/1	0.99	0.13	-	38,38,38,38	0
56	MG	2a	1643	1/1	0.93	0.33	-	69,69,69,69	0
56	MG	1A	3927	1/1	0.94	0.16	-	61,61,61,61	0
56	MG	1A	3947	1/1	0.97	0.15	-	32,32,32,32	0
56	MG	1A	3314	1/1	0.95	0.14	-	52,52,52,52	0
56	MG	1a	1649	1/1	0.94	0.14	-	49,49,49,49	0
56	MG	1A	3325	1/1	0.92	0.29	-	59,59,59,59	0
56	MG	1A	3278	1/1	0.97	0.10	-	28,28,28,28	0
56	MG	1A	3196	1/1	0.97	0.10	-	54,54,54,54	0
56	MG	2A	3344	1/1	0.98	0.12	-	43,43,43,43	0
56	MG	1A	4068	1/1	0.96	0.16	-	36,36,36,36	0
56	MG	1A	3572	1/1	0.95	0.14	-	56,56,56,56	0
56	MG	2a	1713	1/1	0.94	0.10	-	60,60,60,60	0
56	MG	2a	1645	1/1	0.86	0.26	-	57,57,57,57	0
56	MG	1a	1765	1/1	0.89	0.29	-	69,69,69,69	0
56	MG	1a	1760	1/1	0.88	0.08	-	48,48,48,48	0
56	MG	1A	3464	1/1	0.93	0.28	-	25,25,25,25	0
56	MG	1a	1870	1/1	0.86	0.24	-	58,58,58,58	0
56	MG	2A	3383	1/1	0.99	0.17	-	49,49,49,49	0
56	MG	2A	3440	1/1	0.98	0.33	-	56,56,56,56	0
56	MG	2a	1805	1/1	0.96	0.09	-	52,52,52,52	0
56	MG	2a	1770	1/1	0.78	0.11	-	63,63,63,63	0
56	MG	1A	3634	1/1	0.98	0.05	-	32,32,32,32	0

## 6.5 Other polymers [i](#)

There are no such residues in this entry.