



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 20, 2016 – 05:32 PM EDT

PDB ID : 5FDV
Title : Crystal structure of the Pyrrhocoricin antimicrobial peptide bound to the *Thermus thermophilus* 70S ribosome
Authors : Seefeldt, A.C.; Graf, M.; Perebaskine, N.; Nguyen, F.; Arenz, S.; Mardirossian, M.; Scocchi, M.; Wilson, D.N.; Innis, C.A.
Deposited on : 2015-12-16
Resolution : 2.80 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
A user guide is available at
<http://wwpdb.org/validation/2016/XrayValidationReportHelp>
with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467
Mogul : 1.7.1 (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 : 5.8.0122
CCP4 : 6.5.0
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : rb-20027107

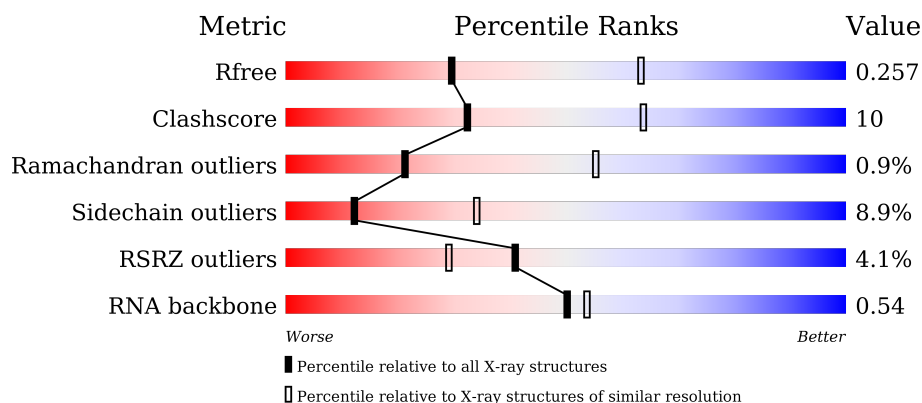
1 Overall quality at a glance

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 ≥ 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>5%</div> <div>27%</div> <div>48%</div> <div>19%</div> <div>• •</div> </div>
1	2A	2915	<div> <div>5%</div> <div>39%</div> <div>42%</div> <div>14%</div> <div>• •</div> </div>
2	1B	120	<div> <div>40%</div> <div>52%</div> <div>8%</div> <div>•</div> </div>
2	2B	120	<div> <div>49%</div> <div>40%</div> <div>11%</div> </div>


























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Mol	Chain	Length	Quality of chain
3	1D	275	
3	2D	275	
4	1E	204	
4	2E	204	
5	1F	203	
5	2F	203	
6	1G	181	
6	2G	181	
7	1H	174	
7	2H	174	
8	1I	147	
8	2I	147	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	149	
11	2P	149	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	110	
14	2S	110	
15	1T	131	











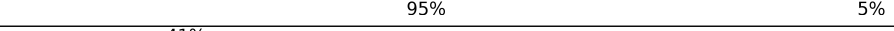
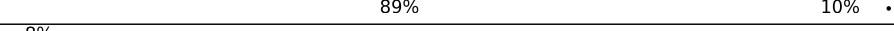


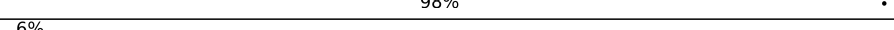



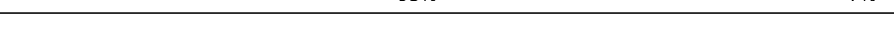
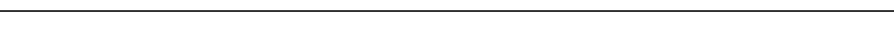

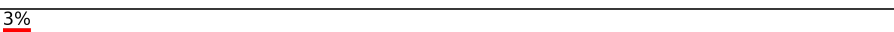
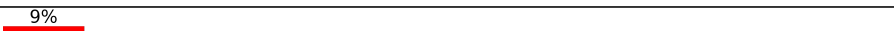


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Mol	Chain	Length	Quality of chain
15	2T	131	
16	1U	116	
16	2U	116	
17	1V	101	
17	2V	101	
18	1W	112	
18	2W	112	
19	1X	95	
19	2X	95	
20	1Y	107	
20	2Y	107	
21	1Z	203	
21	2Z	203	
22	10	77	
22	20	77	
23	11	97	
23	21	97	
24	12	70	
24	22	70	
25	13	59	
25	23	59	
26	14	69	
26	24	69	
27	15	59	
27	25	59	

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Mol	Chain	Length	Quality of chain
28	16	53	
28	26	53	
29	17	48	
29	27	48	
30	18	64	
30	28	64	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1x	97	
33	2x	97	
34	1b	231	
34	2b	231	
35	1c	206	
35	2c	206	
36	1d	208	
36	2d	208	
37	1e	148	
37	2e	148	
38	1f	100	
38	2f	100	
39	1g	155	
39	2g	155	
40	1h	137	

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Mol	Chain	Length	Quality of chain
40	2h	137	96% .
41	1i	127	6% 92% 8%
41	2i	127	24% 90% 9% .
42	1j	97	22% 91% 9%
42	2j	97	20% 92% 7% .
43	1k	114	96% .
43	2k	114	% 91% 9%
44	1l	122	2% 96% .
44	2l	122	% 91% 7% .
45	1m	116	6% 91% 9%
45	2m	116	9% 88% 10% .
46	1n	60	8% 90% 8% .
46	2n	60	15% 95% . .
47	1o	88	% 93% 7%
47	2o	88	% 93% 7%
48	1p	82	2% 89% 11%
48	2p	82	2% 87% 13%
49	1q	99	2% 96% .
49	2q	99	93% 6% .
50	1r	68	7% 91% 9%
50	2r	68	3% 94% 6%
51	1s	83	18% 88% 12%
51	2s	83	39% 90% 8% .
52	1t	98	3% 90% 7% . .
52	2t	98	89% 11%

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Mol	Chain	Length	Quality of chain
53	1u	23	
53	2u	23	
54	1y	16	
54	2y	16	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	13	101	-	-	-	X
55	MG	15	201	-	-	-	X
55	MG	15	202	-	-	-	X
55	MG	15	203	-	-	-	X
55	MG	18	3302	-	-	-	X
55	MG	1A	3019	-	-	-	X
55	MG	1A	3020	-	-	-	X
55	MG	1A	3025	-	-	-	X
55	MG	1A	3028	-	-	-	X
55	MG	1A	3031	-	-	-	X
55	MG	1A	3034	-	-	-	X
55	MG	1A	3040	-	-	-	X
55	MG	1A	3042	-	-	-	X
55	MG	1A	3053	-	-	-	X
55	MG	1A	3059	-	-	-	X
55	MG	1A	3066	-	-	-	X
55	MG	1A	3069	-	-	-	X
55	MG	1A	3071	-	-	-	X
55	MG	1A	3078	-	-	-	X
55	MG	1A	3082	-	-	-	X
55	MG	1A	3085	-	-	-	X
55	MG	1A	3087	-	-	-	X
55	MG	1A	3102	-	-	-	X
55	MG	1A	3103	-	-	-	X
55	MG	1A	3106	-	-	-	X
55	MG	1A	3109	-	-	-	X
55	MG	1A	3112	-	-	-	X
55	MG	1A	3118	-	-	-	X
55	MG	1A	3121	-	-	-	X
55	MG	1A	3122	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	1A	3123	-	-	-	X
55	MG	1A	3126	-	-	-	X
55	MG	1A	3137	-	-	-	X
55	MG	1A	3140	-	-	-	X
55	MG	1A	3141	-	-	-	X
55	MG	1A	3144	-	-	-	X
55	MG	1A	3146	-	-	-	X
55	MG	1A	3153	-	-	-	X
55	MG	1A	3154	-	-	-	X
55	MG	1A	3159	-	-	-	X
55	MG	1A	3169	-	-	-	X
55	MG	1A	3174	-	-	-	X
55	MG	1A	3176	-	-	-	X
55	MG	1A	3179	-	-	-	X
55	MG	1A	3184	-	-	-	X
55	MG	1A	3187	-	-	-	X
55	MG	1A	3192	-	-	-	X
55	MG	1A	3197	-	-	-	X
55	MG	1A	3198	-	-	-	X
55	MG	1A	3200	-	-	-	X
55	MG	1A	3201	-	-	-	X
55	MG	1A	3205	-	-	-	X
55	MG	1A	3207	-	-	-	X
55	MG	1A	3210	-	-	-	X
55	MG	1A	3227	-	-	-	X
55	MG	1A	3230	-	-	-	X
55	MG	1A	3232	-	-	-	X
55	MG	1A	3241	-	-	-	X
55	MG	1A	3242	-	-	-	X
55	MG	1A	3249	-	-	-	X
55	MG	1A	3250	-	-	-	X
55	MG	1A	3251	-	-	-	X
55	MG	1A	3252	-	-	-	X
55	MG	1A	3256	-	-	-	X
55	MG	1A	3257	-	-	-	X
55	MG	1A	3259	-	-	-	X
55	MG	1A	3271	-	-	-	X
55	MG	1A	3274	-	-	-	X
55	MG	1A	3276	-	-	-	X
55	MG	1A	3283	-	-	-	X
55	MG	1A	3297	-	-	-	X
55	MG	1A	3311	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	1A	3313	-	-	-	X
55	MG	1A	3347	-	-	-	X
55	MG	1A	3362	-	-	-	X
55	MG	1A	3370	-	-	-	X
55	MG	1A	3397	-	-	-	X
55	MG	1A	3416	-	-	-	X
55	MG	1A	3462	-	-	-	X
55	MG	1A	3470	-	-	-	X
55	MG	1A	3473	-	-	-	X
55	MG	1A	3480	-	-	-	X
55	MG	1A	3507	-	-	-	X
55	MG	1A	3514	-	-	-	X
55	MG	1A	3543	-	-	-	X
55	MG	1A	3551	-	-	-	X
55	MG	1A	3571	-	-	-	X
55	MG	1A	3579	-	-	-	X
55	MG	1A	3595	-	-	-	X
55	MG	1A	3625	-	-	-	X
55	MG	1A	3636	-	-	-	X
55	MG	1A	3638	-	-	-	X
55	MG	1A	3639	-	-	-	X
55	MG	1A	3640	-	-	-	X
55	MG	1A	3642	-	-	-	X
55	MG	1A	3645	-	-	-	X
55	MG	1A	3665	-	-	-	X
55	MG	1A	3710	-	-	-	X
55	MG	1A	3724	-	-	-	X
55	MG	1A	3725	-	-	-	X
55	MG	1A	3729	-	-	-	X
55	MG	1A	3732	-	-	-	X
55	MG	1A	3737	-	-	-	X
55	MG	1A	3761	-	-	-	X
55	MG	1A	3808	-	-	-	X
55	MG	1A	3838	-	-	-	X
55	MG	1A	3863	-	-	-	X
55	MG	1A	3867	-	-	-	X
55	MG	1A	3895	-	-	-	X
55	MG	1A	3896	-	-	-	X
55	MG	1A	3902	-	-	-	X
55	MG	1A	3904	-	-	-	X
55	MG	1A	3908	-	-	-	X
55	MG	1A	3910	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	1A	3917	-	-	-	X
55	MG	1A	3918	-	-	-	X
55	MG	1A	3919	-	-	-	X
55	MG	1A	3920	-	-	-	X
55	MG	1A	3922	-	-	-	X
55	MG	1A	3924	-	-	-	X
55	MG	1A	3926	-	-	-	X
55	MG	1A	3927	-	-	-	X
55	MG	1A	3928	-	-	-	X
55	MG	1A	3929	-	-	-	X
55	MG	1A	3931	-	-	-	X
55	MG	1A	3932	-	-	-	X
55	MG	1A	3934	-	-	-	X
55	MG	1A	3936	-	-	-	X
55	MG	1A	3937	-	-	-	X
55	MG	1A	3938	-	-	-	X
55	MG	1A	3939	-	-	-	X
55	MG	1A	3941	-	-	-	X
55	MG	1A	3942	-	-	-	X
55	MG	1A	3943	-	-	-	X
55	MG	1A	3944	-	-	-	X
55	MG	1B	201	-	-	-	X
55	MG	1B	209	-	-	-	X
55	MG	1B	224	-	-	-	X
55	MG	1D	301	-	-	-	X
55	MG	1D	303	-	-	-	X
55	MG	1D	305	-	-	-	X
55	MG	1D	306	-	-	-	X
55	MG	1D	307	-	-	-	X
55	MG	1D	313	-	-	-	X
55	MG	1E	301	-	-	-	X
55	MG	1E	304	-	-	-	X
55	MG	1F	302	-	-	-	X
55	MG	1F	303	-	-	-	X
55	MG	1F	304	-	-	-	X
55	MG	1F	307	-	-	-	X
55	MG	1F	309	-	-	-	X
55	MG	1F	310	-	-	-	X
55	MG	1N	8001	-	-	-	X
55	MG	1P	201	-	-	-	X
55	MG	1R	202	-	-	-	X
55	MG	1U	202	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	1a	3004	-	-	-	X
55	MG	1a	3012	-	-	-	X
55	MG	1a	3016	-	-	-	X
55	MG	1a	3017	-	-	-	X
55	MG	1a	3020	-	-	-	X
55	MG	1a	3021	-	-	-	X
55	MG	1a	3023	-	-	-	X
55	MG	1a	3024	-	-	-	X
55	MG	1a	3036	-	-	-	X
55	MG	1a	3042	-	-	-	X
55	MG	1a	3044	-	-	-	X
55	MG	1a	3046	-	-	-	X
55	MG	1a	3050	-	-	-	X
55	MG	1a	3052	-	-	-	X
55	MG	1a	3054	-	-	-	X
55	MG	1a	3057	-	-	-	X
55	MG	1a	3065	-	-	-	X
55	MG	1a	3071	-	-	-	X
55	MG	1a	3075	-	-	-	X
55	MG	1a	3088	-	-	-	X
55	MG	1a	3098	-	-	-	X
55	MG	1a	3107	-	-	-	X
55	MG	1a	3116	-	-	-	X
55	MG	1a	3136	-	-	-	X
55	MG	1a	3137	-	-	-	X
55	MG	1a	3144	-	-	-	X
55	MG	1a	3148	-	-	-	X
55	MG	1a	3182	-	-	-	X
55	MG	1a	3208	-	-	-	X
55	MG	1a	3211	-	-	-	X
55	MG	1a	3219	-	-	-	X
55	MG	1a	3221	-	-	-	X
55	MG	1a	3224	-	-	-	X
55	MG	1a	3226	-	-	-	X
55	MG	1k	201	-	-	-	X
55	MG	25	101	-	-	-	X
55	MG	25	102	-	-	-	X
55	MG	27	101	-	-	-	X
55	MG	28	101	-	-	-	X
55	MG	2A	3001	-	-	-	X
55	MG	2A	3005	-	-	-	X
55	MG	2A	3007	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	2A	3017	-	-	-	X
55	MG	2A	3018	-	-	-	X
55	MG	2A	3019	-	-	-	X
55	MG	2A	3023	-	-	-	X
55	MG	2A	3024	-	-	-	X
55	MG	2A	3033	-	-	-	X
55	MG	2A	3037	-	-	-	X
55	MG	2A	3054	-	-	-	X
55	MG	2A	3056	-	-	-	X
55	MG	2A	3067	-	-	-	X
55	MG	2A	3076	-	-	-	X
55	MG	2A	3079	-	-	-	X
55	MG	2A	3083	-	-	-	X
55	MG	2A	3086	-	-	-	X
55	MG	2A	3092	-	-	-	X
55	MG	2A	3094	-	-	-	X
55	MG	2A	3095	-	-	-	X
55	MG	2A	3096	-	-	-	X
55	MG	2A	3097	-	-	-	X
55	MG	2A	3099	-	-	-	X
55	MG	2A	3100	-	-	-	X
55	MG	2A	3103	-	-	-	X
55	MG	2A	3110	-	-	-	X
55	MG	2A	3111	-	-	-	X
55	MG	2A	3119	-	-	-	X
55	MG	2A	3122	-	-	-	X
55	MG	2A	3138	-	-	-	X
55	MG	2A	3146	-	-	-	X
55	MG	2A	3150	-	-	-	X
55	MG	2A	3154	-	-	-	X
55	MG	2A	3156	-	-	-	X
55	MG	2A	3159	-	-	-	X
55	MG	2A	3163	-	-	-	X
55	MG	2A	3176	-	-	-	X
55	MG	2A	3178	-	-	-	X
55	MG	2A	3188	-	-	-	X
55	MG	2A	3189	-	-	-	X
55	MG	2A	3190	-	-	-	X
55	MG	2A	3199	-	-	-	X
55	MG	2A	3201	-	-	-	X
55	MG	2A	3202	-	-	-	X
55	MG	2A	3203	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	2A	3204	-	-	-	X
55	MG	2A	3215	-	-	-	X
55	MG	2A	3218	-	-	-	X
55	MG	2A	3220	-	-	-	X
55	MG	2A	3227	-	-	-	X
55	MG	2A	3241	-	-	-	X
55	MG	2A	3257	-	-	-	X
55	MG	2A	3275	-	-	-	X
55	MG	2A	3306	-	-	-	X
55	MG	2A	3307	-	-	-	X
55	MG	2A	3343	-	-	-	X
55	MG	2A	3363	-	-	-	X
55	MG	2A	3406	-	-	-	X
55	MG	2A	3411	-	-	-	X
55	MG	2A	3416	-	-	-	X
55	MG	2A	3454	-	-	-	X
55	MG	2A	3465	-	-	-	X
55	MG	2A	3470	-	-	-	X
55	MG	2A	3481	-	-	-	X
55	MG	2A	3482	-	-	-	X
55	MG	2A	3485	-	-	-	X
55	MG	2A	3489	-	-	-	X
55	MG	2A	3504	-	-	-	X
55	MG	2A	3505	-	-	-	X
55	MG	2A	3512	-	-	-	X
55	MG	2A	3526	-	-	-	X
55	MG	2A	3527	-	-	-	X
55	MG	2A	3529	-	-	-	X
55	MG	2A	3537	-	-	-	X
55	MG	2A	3555	-	-	-	X
55	MG	2A	3565	-	-	-	X
55	MG	2A	3566	-	-	-	X
55	MG	2A	3568	-	-	-	X
55	MG	2A	3570	-	-	-	X
55	MG	2A	3585	-	-	-	X
55	MG	2A	3590	-	-	-	X
55	MG	2A	3621	-	-	-	X
55	MG	2A	3630	-	-	-	X
55	MG	2A	3643	-	-	-	X
55	MG	2A	3644	-	-	-	X
55	MG	2A	3649	-	-	-	X
55	MG	2A	3655	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	2A	3676	-	-	-	X
55	MG	2A	3720	-	-	-	X
55	MG	2A	3732	-	-	-	X
55	MG	2A	3742	-	-	-	X
55	MG	2A	3756	-	-	-	X
55	MG	2A	3777	-	-	-	X
55	MG	2A	3800	-	-	-	X
55	MG	2A	3806	-	-	-	X
55	MG	2A	3809	-	-	-	X
55	MG	2A	3812	-	-	-	X
55	MG	2A	3818	-	-	-	X
55	MG	2A	3819	-	-	-	X
55	MG	2A	3820	-	-	-	X
55	MG	2A	3821	-	-	-	X
55	MG	2A	3822	-	-	-	X
55	MG	2A	3823	-	-	-	X
55	MG	2A	3824	-	-	-	X
55	MG	2A	3825	-	-	-	X
55	MG	2A	3826	-	-	-	X
55	MG	2A	3827	-	-	-	X
55	MG	2A	3828	-	-	-	X
55	MG	2A	3829	-	-	-	X
55	MG	2A	3830	-	-	-	X
55	MG	2A	3831	-	-	-	X
55	MG	2A	3832	-	-	-	X
55	MG	2A	3834	-	-	-	X
55	MG	2A	3835	-	-	-	X
55	MG	2A	3836	-	-	-	X
55	MG	2A	3837	-	-	-	X
55	MG	2A	3838	-	-	-	X
55	MG	2B	3006	-	-	-	X
55	MG	2D	302	-	-	-	X
55	MG	2D	304	-	-	-	X
55	MG	2D	306	-	-	-	X
55	MG	2D	307	-	-	-	X
55	MG	2D	308	-	-	-	X
55	MG	2D	310	-	-	-	X
55	MG	2F	301	-	-	-	X
55	MG	2F	302	-	-	-	X
55	MG	2F	304	-	-	-	X
55	MG	2F	306	-	-	-	X
55	MG	2F	307	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	2F	308	-	-	-	X
55	MG	2H	201	-	-	-	X
55	MG	2V	201	-	-	-	X
55	MG	2X	101	-	-	-	X
55	MG	2X	102	-	-	-	X
55	MG	2a	1604	-	-	-	X
55	MG	2a	1609	-	-	-	X
55	MG	2a	1614	-	-	-	X
55	MG	2a	1622	-	-	-	X
55	MG	2a	1625	-	-	-	X
55	MG	2a	1629	-	-	-	X
55	MG	2a	1640	-	-	-	X
55	MG	2a	1647	-	-	-	X
55	MG	2a	1653	-	-	-	X
55	MG	2a	1664	-	-	-	X
55	MG	2a	1667	-	-	-	X
55	MG	2a	1686	-	-	-	X
55	MG	2a	1694	-	-	-	X
55	MG	2a	1719	-	-	-	X
55	MG	2a	1720	-	-	-	X
55	MG	2a	1752	-	-	-	X
55	MG	2a	1771	-	-	-	X
55	MG	2a	1795	-	-	-	X
55	MG	2b	3001	-	-	-	X
55	MG	2d	503	-	-	-	X
55	MG	2f	8001	-	-	-	X
55	MG	2n	502	-	-	-	X

2 Entry composition

There are 59 unique types of molecules in this entry. The entry contains 293583 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61862	27535	11569	19886	2872			
1	2A	2867	Total	C	N	O	P	0	0	0
			61751	27486	11547	19852	2866			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2575	1145	476	834	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2571	1146	476	831	118			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			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
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	1H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
7	2H	173	Total	C	N	O	S	0	0	0
			1324	842	247	234	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1076	687	186	202	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			
9	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	1W	112	Total	C	N	O	S	0	0	0
			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
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			
22	20	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			759	478	149	131	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
24	22	70	Total	C	N	O	S	0	0	0
			592	368	119	103	2			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	14	69	Total	C	N	O	S	0	0	0
			546	346	96	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			536	342	98	91	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	15	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1504	Total	C	N	O	P	0	0	0
			32331	14396	5990	10441	1504			

- Molecule 33 is a protein called Ribosome-associated inhibitor A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	2x	96	Total	C	N	O	S	0	0	0
			749	468	141	137	3			
33	1x	97	Total	C	N	O	S	0	0	0
			764	478	144	139	3			

- Molecule 34 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1b	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			
34	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

- Molecule 35 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1c	206	Total	C	N	O	S	0	0	0
			1558	979	305	273	1			
35	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

- Molecule 36 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1d	208	Total	C	N	O	S	0	0	0
			1665	1043	329	286	7			
36	2d	208	Total	C	N	O	S	0	0	0
			1668	1047	330	284	7			

- Molecule 37 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			
37	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 38 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1f	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			
38	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

- Molecule 39 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			
39	2g	155	Total	C	N	O	S	0	0	0
			1229	766	241	216	6			

- Molecule 40 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	1h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			
40	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

- Molecule 41 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1i	127	Total	C	N	O	0	0	0
			986	625	193	168			
41	2i	126	Total	C	N	O	0	0	0
			966	613	186	167			

- Molecule 42 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
42	1j	97	Total	C	N	O	0	0	0
			719	446	142	131			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
42	2j	96	Total	C	N	O			
			710	442	137	131	0	0	0

- Molecule 43 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
43	1k	114	Total	C	N	O	S		
			834	520	156	155	3	0	0
43	2k	114	Total	C	N	O	S		
			833	519	156	155	3	0	0

- Molecule 44 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
44	1l	122	Total	C	N	O	S		
			932	586	185	159	2	0	0
44	2l	122	Total	C	N	O	S		
			932	586	185	159	2	0	0

- Molecule 45 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
45	1m	116	Total	C	N	O	S		
			914	564	189	159	2	0	0
45	2m	114	Total	C	N	O	S		
			895	550	186	157	2	0	0

- Molecule 46 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
46	1n	60	Total	C	N	O	S		
			492	312	104	72	4	0	0
46	2n	60	Total	C	N	O	S		
			492	312	104	72	4	0	0

- Molecule 47 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
47	1o	88	Total	C	N	O	S		
			728	456	144	126	2	0	0
47	2o	88	Total	C	N	O	S		
			728	456	144	126	2	0	0

- Molecule 48 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
48	2p	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

- Molecule 49 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	1q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
49	2q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 50 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
50	1r	68	Total	C	N	O	0	0	0
			555	355	108	92			
50	2r	68	Total	C	N	O	0	0	0
			555	355	108	92			

- Molecule 51 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1s	83	Total	C	N	O	S	0	0	0
			648	415	120	111	2			
51	2s	83	Total	C	N	O	S	0	0	0
			645	410	118	115	2			

- Molecule 52 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	1t	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			
52	2t	98	Total	C	N	O	S	0	0	0
			733	451	154	126	2			

- Molecule 53 is a protein called 30S ribosomal protein Thx.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	1u	23	Total	C	N	O	0	0	0
			199	122	48	29			
53	2u	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 54 is a protein called Pyrrhocoricin.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
54	1y	16	Total	C	N	O	0	0	0
			120	79	20	21			
54	2y	16	Total	C	N	O	0	0	0
			120	79	20	21			

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

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

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2a	197	Total 197	Mg 197	0	0
55	1k	1	Total 1	Mg 1	0	0
55	1E	5	Total 5	Mg 5	0	0
55	1b	1	Total 1	Mg 1	0	0
55	2l	2	Total 2	Mg 2	0	0
55	2F	9	Total 9	Mg 9	0	0
55	28	2	Total 2	Mg 2	0	0
55	2e	2	Total 2	Mg 2	0	0
55	1W	2	Total 2	Mg 2	0	0
55	1A	945	Total 945	Mg 945	0	0
55	1t	1	Total 1	Mg 1	0	0
55	2P	2	Total 2	Mg 2	0	0
55	1X	1	Total 1	Mg 1	0	0
55	1y	1	Total 1	Mg 1	0	0
55	25	3	Total 3	Mg 3	0	0
55	2b	1	Total 1	Mg 1	0	0
55	1D	14	Total 14	Mg 14	0	0
55	2N	1	Total 1	Mg 1	0	0
55	1e	1	Total 1	Mg 1	0	0
55	2G	3	Total 3	Mg 3	0	0
55	2f	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1V	1	Total 1	Mg 1	0	0
55	2X	3	Total 3	Mg 3	0	0
55	1a	226	Total 226	Mg 226	0	0
55	2Q	5	Total 5	Mg 5	0	0
55	15	4	Total 4	Mg 4	0	0
55	1R	3	Total 3	Mg 3	0	0
55	2U	2	Total 2	Mg 2	0	0
55	1G	3	Total 3	Mg 3	0	0
55	11	3	Total 3	Mg 3	0	0
55	1d	5	Total 5	Mg 5	0	0
55	2n	1	Total 1	Mg 1	0	0
55	1H	2	Total 2	Mg 2	0	0
55	21	2	Total 2	Mg 2	0	0
55	2g	1	Total 1	Mg 1	0	0
55	2R	2	Total 2	Mg 2	0	0
55	2D	10	Total 10	Mg 10	0	0
55	2q	1	Total 1	Mg 1	0	0
55	1U	3	Total 3	Mg 3	0	0
55	27	2	Total 2	Mg 2	0	0
55	19	2	Total 2	Mg 2	0	0
55	1l	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2V	3	Total 3	Mg 3	0	0
55	1F	12	Total 12	Mg 12	0	0
55	2H	1	Total 1	Mg 1	0	0
55	10	7	Total 7	Mg 7	0	0
55	1g	1	Total 1	Mg 1	0	0
55	2o	1	Total 1	Mg 1	0	0
55	1Q	4	Total 4	Mg 4	0	0
55	2A	837	Total 837	Mg 837	0	0
55	1h	2	Total 2	Mg 2	0	0
55	1B	26	Total 26	Mg 26	0	0
55	2S	1	Total 1	Mg 1	0	0

- Molecule 56 is ZINC ION (three-letter code: ZN) (formula: Zn).

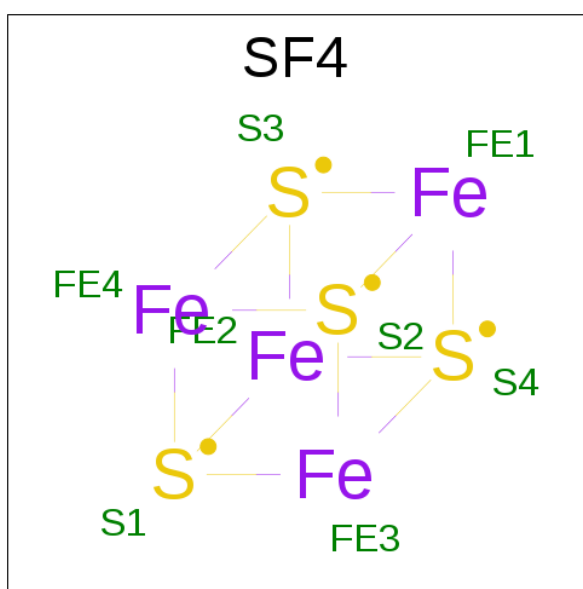
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Y	1	Total 1	Zn 1	0	0
56	14	1	Total 1	Zn 1	0	0
56	1n	1	Total 1	Zn 1	0	0
56	15	1	Total 1	Zn 1	0	0
56	29	1	Total 1	Zn 1	0	0
56	19	1	Total 1	Zn 1	0	0
56	26	1	Total 1	Zn 1	0	0
56	25	1	Total 1	Zn 1	0	0

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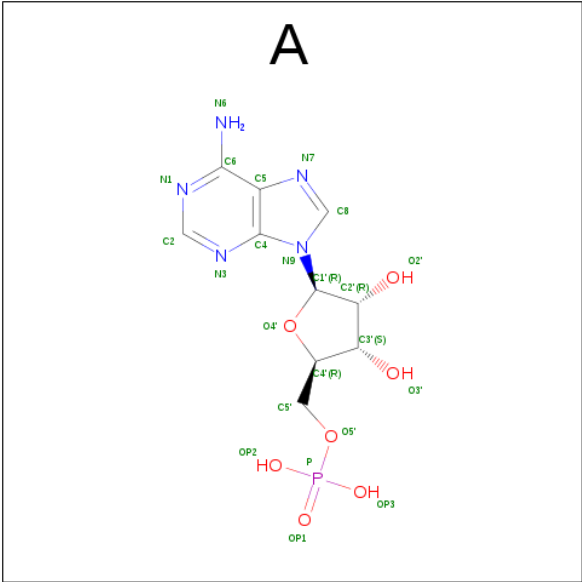
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	24	1	Total	Zn	0	0
			1	1		
56	2n	1	Total	Zn	0	0
			1	1		
56	2Y	1	Total	Zn	0	0
			1	1		
56	16	1	Total	Zn	0	0
			1	1		

- Molecule 57 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
57	1d	1	Total	Fe	S	0	0
			8	4	4		
57	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 58 is ADENOSINE-5'-MONOPHOSPHATE (three-letter code: A) (formula: $\text{C}_{10}\text{H}_{14}\text{N}_5\text{O}_7\text{P}$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	2A	1	Total P 1 1	0	0

- Molecule 59 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1A	1740	Total O 1740 1740	0	0
59	1B	43	Total O 43 43	0	0
59	1D	16	Total O 16 16	0	0
59	1E	17	Total O 17 17	0	0
59	1F	9	Total O 9 9	0	0
59	1G	2	Total O 2 2	0	0
59	1H	3	Total O 3 3	0	0
59	1N	8	Total O 8 8	0	0
59	1P	13	Total O 13 13	0	0
59	1Q	7	Total O 7 7	0	0
59	1R	4	Total O 4 4	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1T	5	Total 5	O 5	0	0
59	1U	5	Total 5	O 5	0	0
59	1V	3	Total 3	O 3	0	0
59	1W	2	Total 2	O 2	0	0
59	1X	4	Total 4	O 4	0	0
59	1Y	4	Total 4	O 4	0	0
59	10	5	Total 5	O 5	0	0
59	11	3	Total 3	O 3	0	0
59	13	1	Total 1	O 1	0	0
59	15	2	Total 2	O 2	0	0
59	16	2	Total 2	O 2	0	0
59	17	2	Total 2	O 2	0	0
59	18	9	Total 9	O 9	0	0
59	19	2	Total 2	O 2	0	0
59	1a	395	Total 395	O 395	0	0
59	1d	10	Total 10	O 10	0	0
59	1e	2	Total 2	O 2	0	0
59	1f	1	Total 1	O 1	0	0
59	1h	1	Total 1	O 1	0	0
59	1j	1	Total 1	O 1	0	0
59	1l	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1m	2	Total 2	O 2	0	0
59	1n	1	Total 1	O 1	0	0
59	1p	1	Total 1	O 1	0	0
59	1q	1	Total 1	O 1	0	0
59	1t	1	Total 1	O 1	0	0
59	1y	2	Total 2	O 2	0	0
59	2A	1667	Total 1667	O 1667	0	0
59	2B	35	Total 35	O 35	0	0
59	2D	14	Total 14	O 14	0	0
59	2E	16	Total 16	O 16	0	0
59	2F	11	Total 11	O 11	0	0
59	2G	2	Total 2	O 2	0	0
59	2H	2	Total 2	O 2	0	0
59	2N	2	Total 2	O 2	0	0
59	2P	11	Total 11	O 11	0	0
59	2Q	4	Total 4	O 4	0	0
59	2R	4	Total 4	O 4	0	0
59	2T	2	Total 2	O 2	0	0
59	2U	2	Total 2	O 2	0	0
59	2V	2	Total 2	O 2	0	0
59	2W	2	Total 2	O 2	0	0

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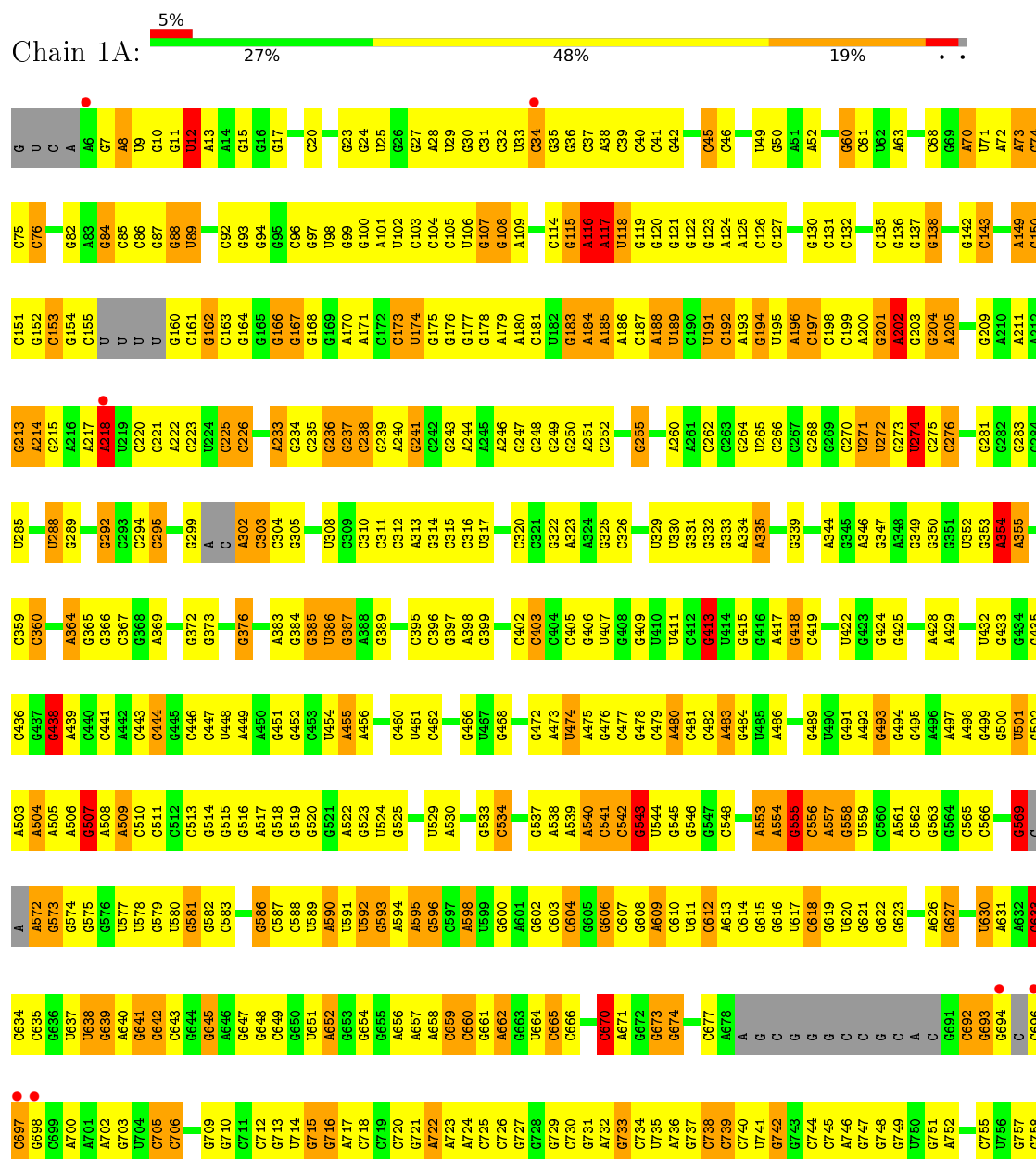
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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59	2Y	3	Total 3	O 3	0	0
59	20	7	Total 7	O 7	0	0
59	21	2	Total 2	O 2	0	0
59	23	2	Total 2	O 2	0	0
59	25	1	Total 1	O 1	0	0
59	26	2	Total 2	O 2	0	0
59	27	1	Total 1	O 1	0	0
59	28	6	Total 6	O 6	0	0
59	2a	387	Total 387	O 387	0	0
59	2c	1	Total 1	O 1	0	0
59	2d	6	Total 6	O 6	0	0
59	2e	4	Total 4	O 4	0	0
59	2f	1	Total 1	O 1	0	0
59	2h	1	Total 1	O 1	0	0
59	2j	1	Total 1	O 1	0	0
59	2l	3	Total 3	O 3	0	0
59	2m	2	Total 2	O 2	0	0
59	2o	1	Total 1	O 1	0	0
59	2t	1	Total 1	O 1	0	0
59	2y	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

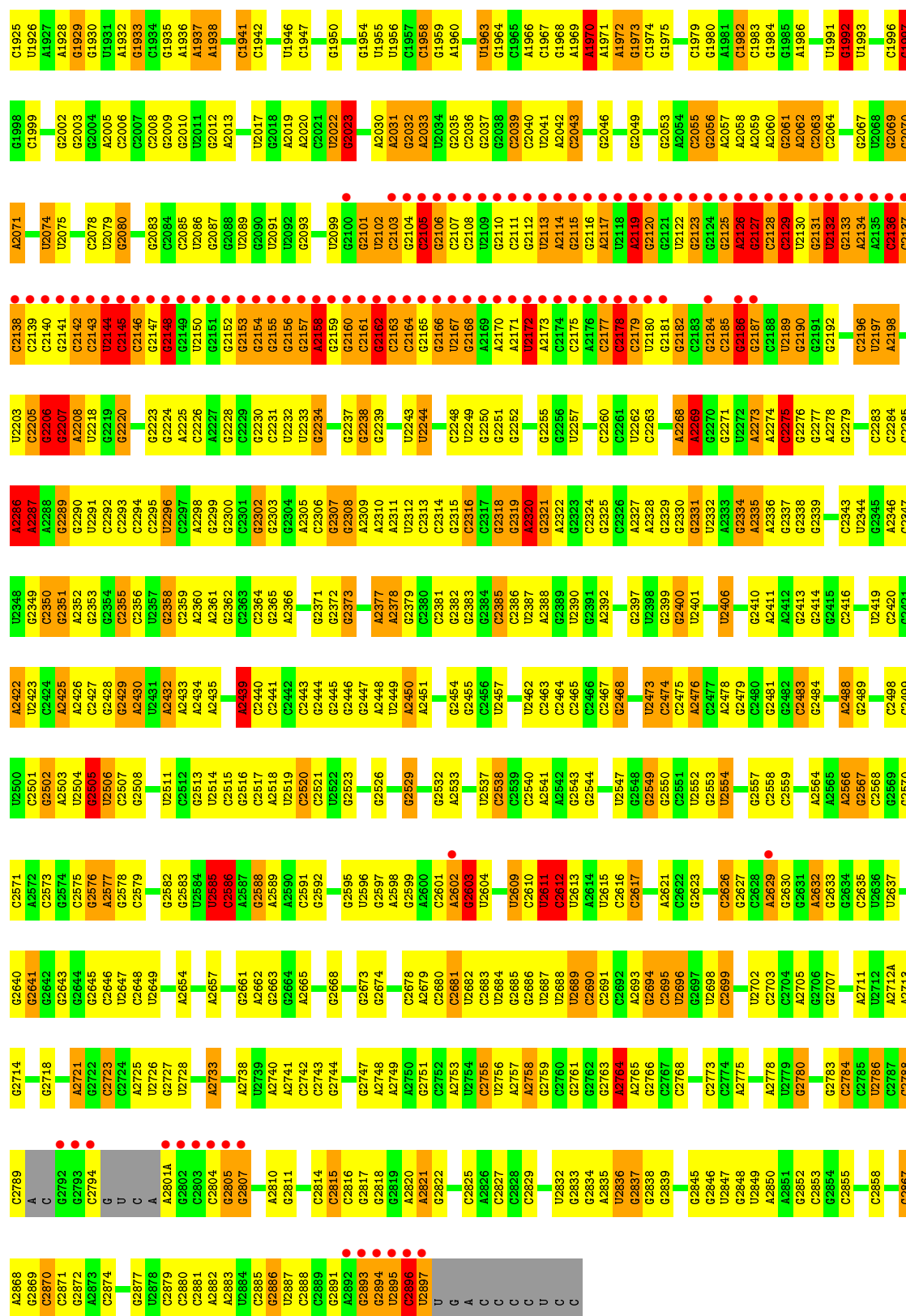


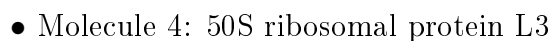
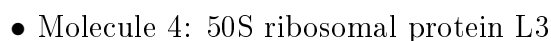
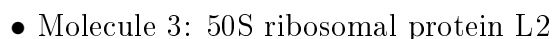
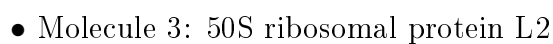


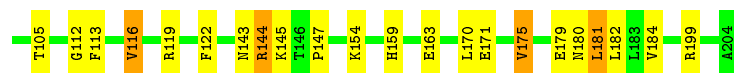
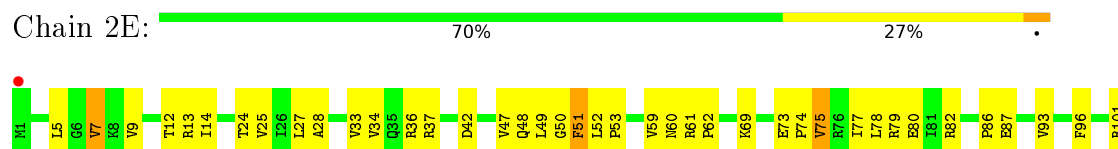




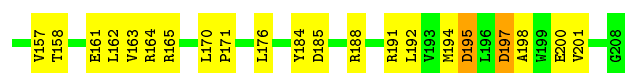
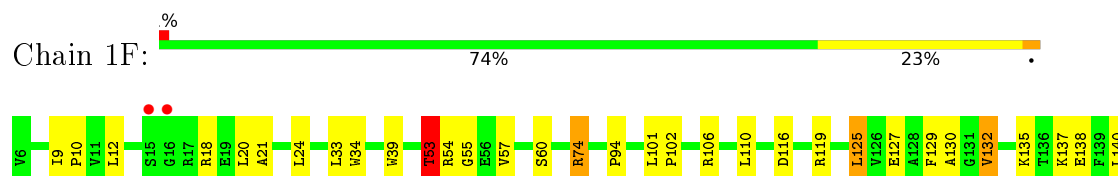
A1829	A1762	A1668	G1591	U1518	G1448	A1380	C1291	G1221	U1133	G1072	C1006	G934	A866	G792
U1834	G1763	A1669	C1592	G1519	G1449	G1361	U1292	C1221A	C1135	A1073	C1007	C935	C867	A793
G1835	G1764	A1670	G1593	G1525	G1450	C1362	G1296	C1224	G1136	G1074	C1008	C936	U868	G794
C1836	U1766	U1671	G1594	G1526	C1450A	C1363	C1297	C1224	G1137	C1075		U937	G869	C795
C1837	U1767	U1672	A1596	G1527	A1451	A1364	C1298	G1229	G1138	C1076	U1012	G938	U870	C796
C1838	G1769	U1673	G1597	A1528	A1452	A1365	C1299	G1230	G1139	A1077	C1013	G939	U871	C797
G1839	G1770	G1674		A1528A		G1369	G1299	G1231	C1140	U1078		G940	A872	C798
	G1771		U1602	A1529	G1458	G1370	U1300	G1232		U1079	G1016	A941	A873	C799
G1842	G1772	G1678		G1529	A1459	C1371	A1301	G1232	A1142A	C1080	G1017	G942	A874	
C1843	A1773	G1681	C1605	C1530	A1460	U1372	A1303	U1233	A1143	U1081		G943	C875	U803
G1844	G1774	G1682	G1606	C1531	A1461	U1373	G1303	U1234	G1144	U1082	A1020	G944	C876	A804
G1845	U1775		G1607	G1532	C1461	A1374	G1303	U1235	G1145	U1083	A1021	G945	U877	G805
G1846	G1776		A1608	U	C1462	A1375	C1306	G1236		A1084	G1022	G946	A878	C806
A1847	U1777	G1686	A1609	A			A1307		A1148	A1085	U1023	G947	G879	U807
A1848	U1778	G1687	A1610	C1536	G1466	A1379	A1308	G1239		A1086	G1024	G948	G880	
U1779	U1779	A1689	G1614	G1537	C1467	G1380	G1309	A1240	C1153	G1087	G1025	G949	G881	
G1857	A1780	A1690	G1615	G1538	A1471	G1381	G1310	A1241	G1154	U1088	U1026	G950	G882	C812
G1858	C1781	C1691	G1616	U1539	A1472	A1384	U1312	G1244		U1090	A1028	G951	G883	
A1859	G1782	U1692	A1616	U1540	G1473	G1385	U1313	G1245	G1164	G1091	A1029	C955	C885	C817
G1863	A1783	U1693	C1617	G1541	A1477	C1386	C1314	A1246	U1165	C1092	G1030	C956	C886	G818
A1784	A1784	C1694	A1618	A1542	G1478	G1387	C1315	A1247	C1166	G1093	G1031	A957	A887	A820
A1785	G1695	G1695	C1543	C1543	G1479	G1388	U1316			U1094	A1032	U958	C888	A821
U1884	A1786	G1696	G1626	A1544	G1479	U1394	A1317	G1260	G1170	A1095	U1033	A959	C889	
G1886	A1787	G1697		A1545	G1480		C1251	C1261	G1171	A1096		A960	A890	A824
A1876	G1788	A1698	G1630	C1546	U1481	U1399	G1319	G1262	G	U1097	G1036	C961	G892	G825
A1877	A1789	G1699	A1632	C1547	G1482	C1399	C1320	A1263	A	U1098	G1037		G893	U826
G1878	C1790	A1700	G1633	C1548	G1483		A1321	A1264	U		C1038	C964	C894	U827
	A1701	G1702	G1634	C1551	G1485	U1404	A1322	G1265	G	U1101	G1039		U895	U828
G1881	G1792	G1703	G1635			U1405	U1323	C1266	A	C1102	C1040	C971	A896	A829
C1882	C1793	U1794	G1636	C1557	U1489	U1406	G1324		C1178	A1103	C1041		C897	G830
G1883	G1795	U1795	A1637	C1558	A1490	A1407	G1325	C1261	C1179	G1104	G1042	G974	C898	G831
A1889	U1796	U1709	G1638	G1559	G1491	G1410	U1326	A1262	C1180	U1105	C1043	C975	A899	G832
C1797	C1710	U1639	G1639	G1560	G1492	C1411	G1327	U1263		G1106	G1044	G975A	A900	U833
U1798	C1711		C1640		A1494	C1411	G1328	G1264	G1186	G1107	A1045	C976	A901	C834
G1799				G1563	A1495	G1416	U1329	A1265	G1187	A1046			C902	
C1800	G1717	G1718	G1645	C1564	A1496	C1417	C1330	G1266	U1188	C1108	G1047	G979	C903	C837
G1801			G1646	C1565	U1497	G1418	A1331	U1267		G1110	A1048		C904	C838
A1802	G1748		G1647	A1566	U1498	A1419	G1332	A1268	U1198	A1111		C982	U905	C839
A1803			C1648	A1567	C1499	G1420	C1333	A1269	A983	G1112	G1051	A984	U907	C840
C1804	A1722	G1721	G1649	G1568	G1500	G1421	G1271	U1270	C1200	U1113	C1052	C985		
U1805	U1739	U1739	G1650	A1569	C1501	G1422	A1336	U1272	C1201	G1114	C1053	G908	G908	G845
G1806	G1740		G1651		C1502	G1423	U1340	U1273	C1202	G1115	A1054	A909	A910	C846
C1807			A1652	A1572	U1503			A1274	G1203	G1116	G1055	A888	A911	U847
			A1653	C1573	C1504	A1427	G1343	A1275	A1204	G1117	G1056	G989	C912	G848
	G1746		G1654	C1574	C1505	C1428	G1344	A1276	U1205	C1118	G1058	A990	U912	A849
A1810	G1747		A1655			G1429	C1345	G1277		C1119	U1059	C991	U913	
G1811	G1747A		G1656			G1430		A1278	G1208	G1120	G1060	G992	C914	G853
G1812	G1748		C1657	C1577	A1508	U1431	A1349	G1279	U1210	C1121	U	G994	G916	G854
G1813			U1659	U1578	C1509		C1350	G1280	U1211	G1123	G1062	C995	A917	G855
G1814			A1579	A1579	A1509A		G1351	G1281	G1212	C1124	G1063	A996	A918	C856
A1815			A1580		A1509B		U1352	U1282	A1213	G1125	C1064	G997	G919	C857
G1816					G1510		A1353	G1283	A1214	A1126	U1065		G920	U858
			A1583	A1583	C1511	G1440	A1354	G1283	G1215	U1066	G921		G921	G859
			U1512	U1512	G1441	G1441	A1354	A1286	G1216	A1128	A861			U860
			C1513	C1513	G1442	G1443	G1355	A1287	G1217	A1129	G862			A861
			U1514	U1514	G1443	G1443	G1356	A1287	C1218	U1130	G1068			G863
A1825	G1758		A1664	A1587	G1444	G1444	U1357	U1288	G1219	G1131	A1070			A864
A1826	A1759		A1665	C1588	G1445	G1445	G1358	C1289	G1219		G1003			G865
G1827	A1760		G1515	C1589	G1446	G1446	U1357	U1289	G1219		G1004			
G1828	C1761		G1517	U1590	C1445A	C1445A	A1359	C1290	A1220	A1332	G1071		A933	



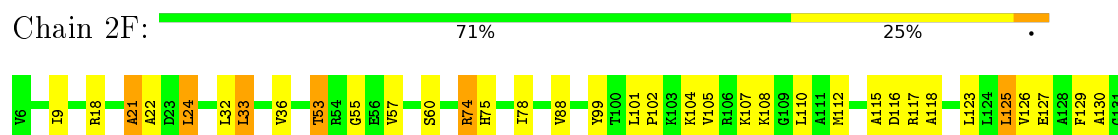




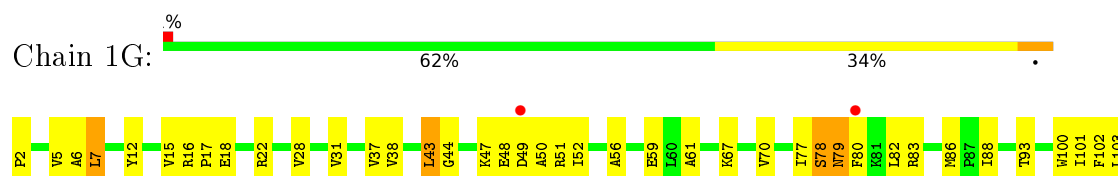
• Molecule 5: 50S ribosomal protein L4



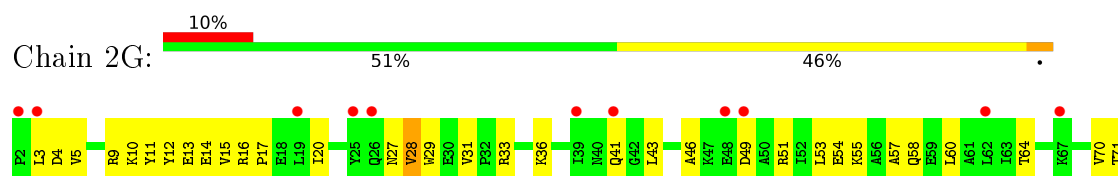
• Molecule 5: 50S ribosomal protein L4



• Molecule 6: 50S ribosomal protein L5

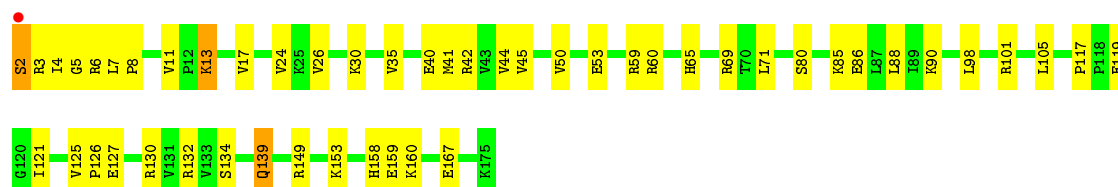


• Molecule 6: 50S ribosomal protein L5

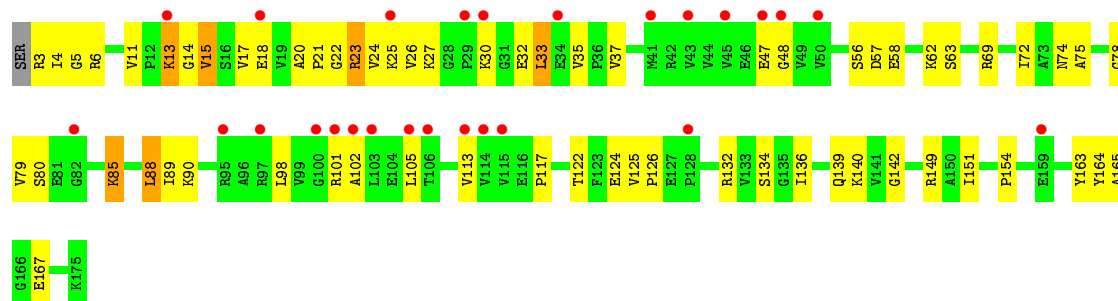




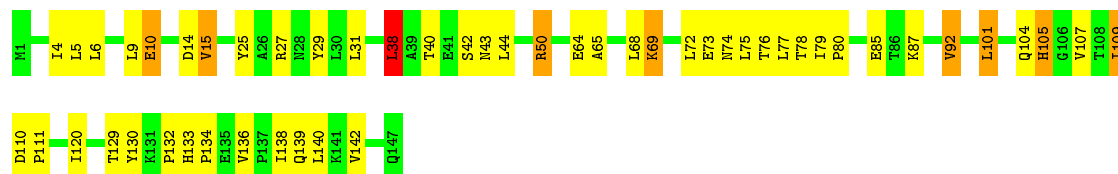
• Molecule 7: 50S ribosomal protein L6



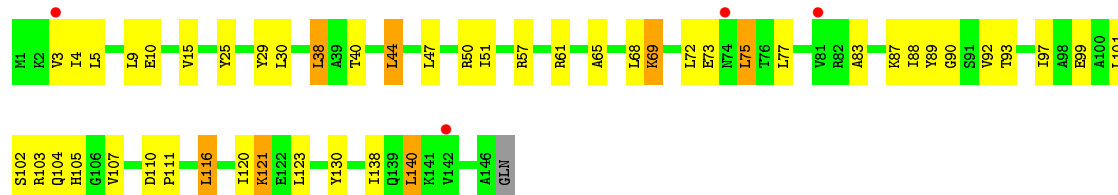
• Molecule 7: 50S ribosomal protein L6



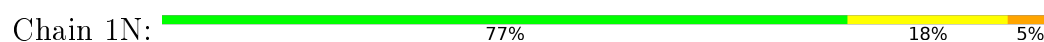
• Molecule 8: 50S ribosomal protein L9



• Molecule 8: 50S ribosomal protein L9



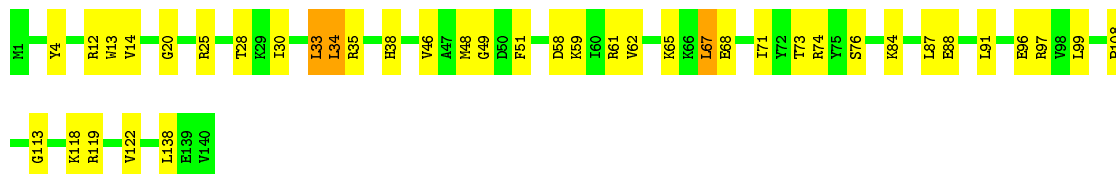
• Molecule 9: 50S ribosomal protein L13





- Molecule 9: 50S ribosomal protein L13

Chain 2N: 71% 26% .



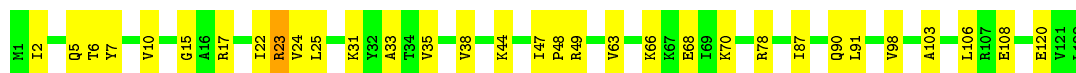
- Molecule 10: 50S ribosomal protein L14

Chain 1O: 78% 18% .



- Molecule 10: 50S ribosomal protein L14

Chain 2O: 74% 25% .



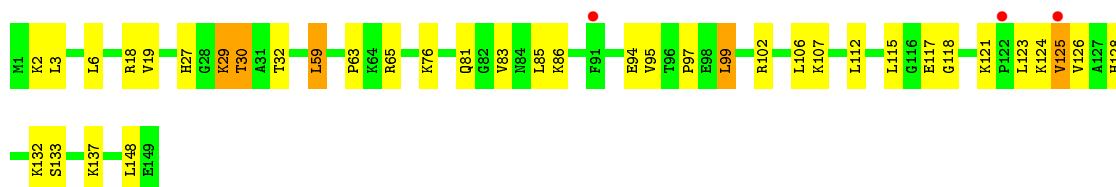
- Molecule 11: 50S ribosomal protein L15

Chain 1P: 82% 15% .



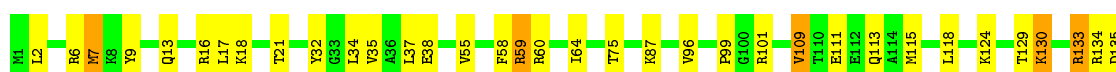
- Molecule 11: 50S ribosomal protein L15

Chain 2P: 74% 22% 2% .



- Molecule 12: 50S ribosomal protein L16

Chain 1Q: 74% 23% .





- Molecule 12: 50S ribosomal protein L16

Chain 2Q: 74% 24%



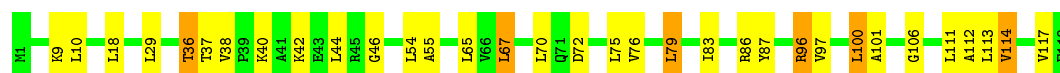
- Molecule 13: 50S ribosomal protein L17

Chain 1R: 75% 19% 5%



- Molecule 13: 50S ribosomal protein L17

Chain 2R: 72% 23% 5%



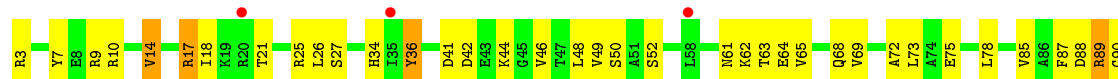
- Molecule 14: 50S ribosomal protein L18

Chain 1S: 72% 22% 5%



- Molecule 14: 50S ribosomal protein L18

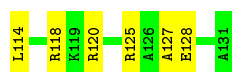
Chain 2S: 3% 59% 37%



- Molecule 15: 50S ribosomal protein L19

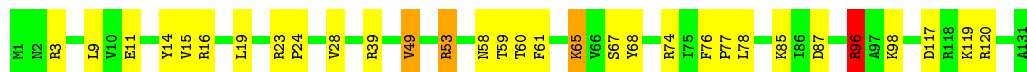
Chain 1T: 67% 30%





- Molecule 15: 50S ribosomal protein L19

Chain 2T: 76% 21% ..



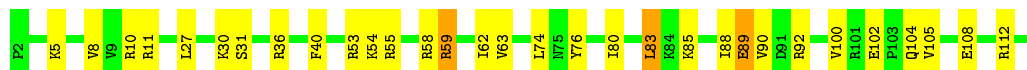
- Molecule 16: 50S ribosomal protein L20

Chain 1U: 73% 23% ..



- Molecule 16: 50S ribosomal protein L20

Chain 2U: 72% 25% .



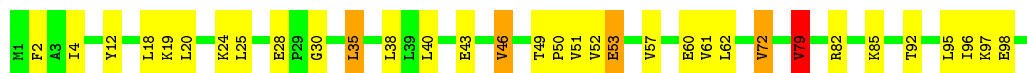
- Molecule 17: 50S ribosomal protein L21

Chain 1V: 75% 19% 5% .



- Molecule 17: 50S ribosomal protein L21

Chain 2V: 67% 28% 2% ..



- Molecule 18: 50S ribosomal protein L22

Chain 1W: 2% 79% 16% 5%

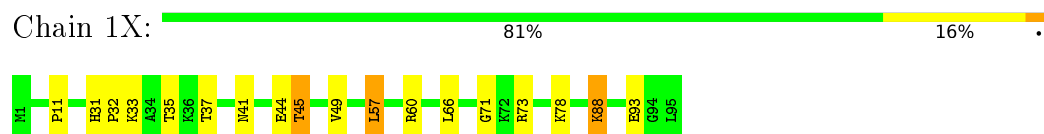


- Molecule 18: 50S ribosomal protein L22

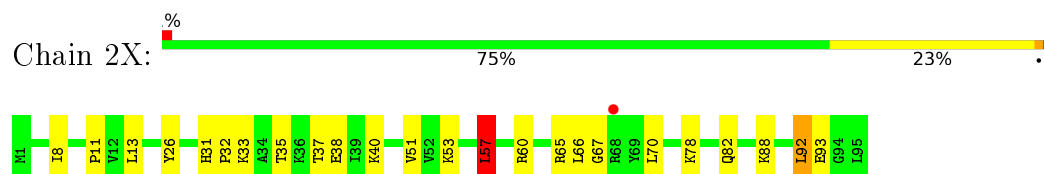
Chain 2W: 79% 17% .



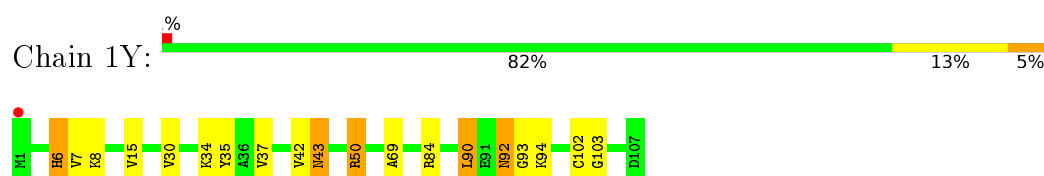
- Molecule 19: 50S ribosomal protein L23



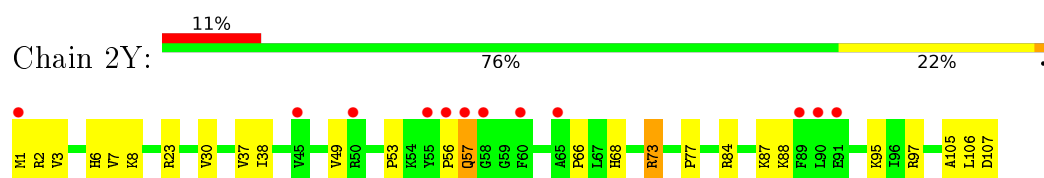
- Molecule 19: 50S ribosomal protein L23



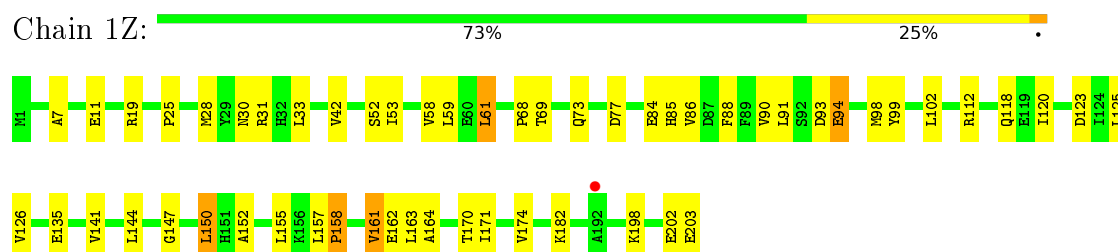
- Molecule 20: 50S ribosomal protein L24



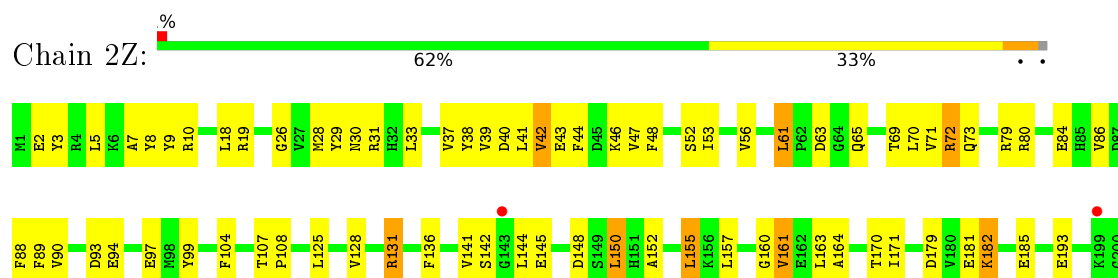
- Molecule 20: 50S ribosomal protein L24



- Molecule 21: 50S ribosomal protein L25




- Molecule 21: 50S ribosomal protein L25






- Molecule 22: 50S ribosomal protein L27

Chain 10:  82% 13% 5%




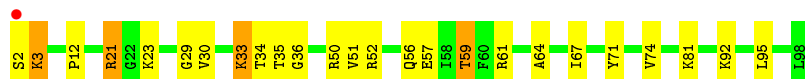
- Molecule 22: 50S ribosomal protein L27

Chain 20:  3% 79% 17% .



- Molecule 23: 50S ribosomal protein L28

Chain 11:  % 74% 22% .



- Molecule 23: 50S ribosomal protein L28

Chain 21:  % 70% 26% . .




- Molecule 24: 50S ribosomal protein L29

Chain 12:  74% 24% .




- Molecule 24: 50S ribosomal protein L29

Chain 22:  87% 13%

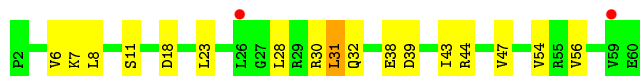
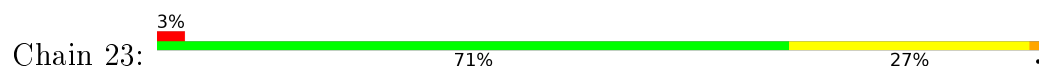


- Molecule 25: 50S ribosomal protein L30

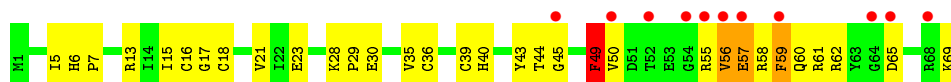
Chain 13:  80% 19% .



- Molecule 25: 50S ribosomal protein L30



- Molecule 26: 50S ribosomal protein L31



- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



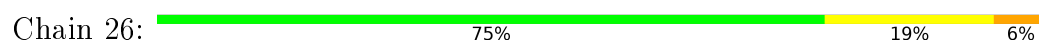
- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33



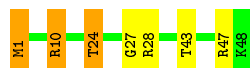
- Molecule 28: 50S ribosomal protein L33





- Molecule 29: 50S ribosomal protein L34

Chain 17: 85% 8% 6%



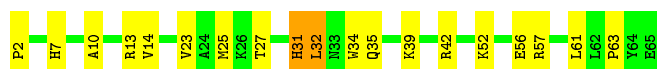
- Molecule 29: 50S ribosomal protein L34

Chain 27: 88% 13%



- Molecule 30: 50S ribosomal protein L35

Chain 18: 70% 27% .



- Molecule 30: 50S ribosomal protein L35

Chain 28: 67% 31% .



- Molecule 31: 50S ribosomal protein L36

Chain 19: 70% 27% .



- Molecule 31: 50S ribosomal protein L36

Chain 29: 3% 68% 32%

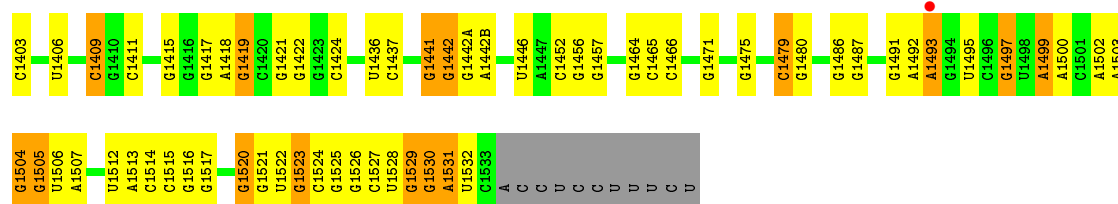


- Molecule 32: 16S ribosomal RNA

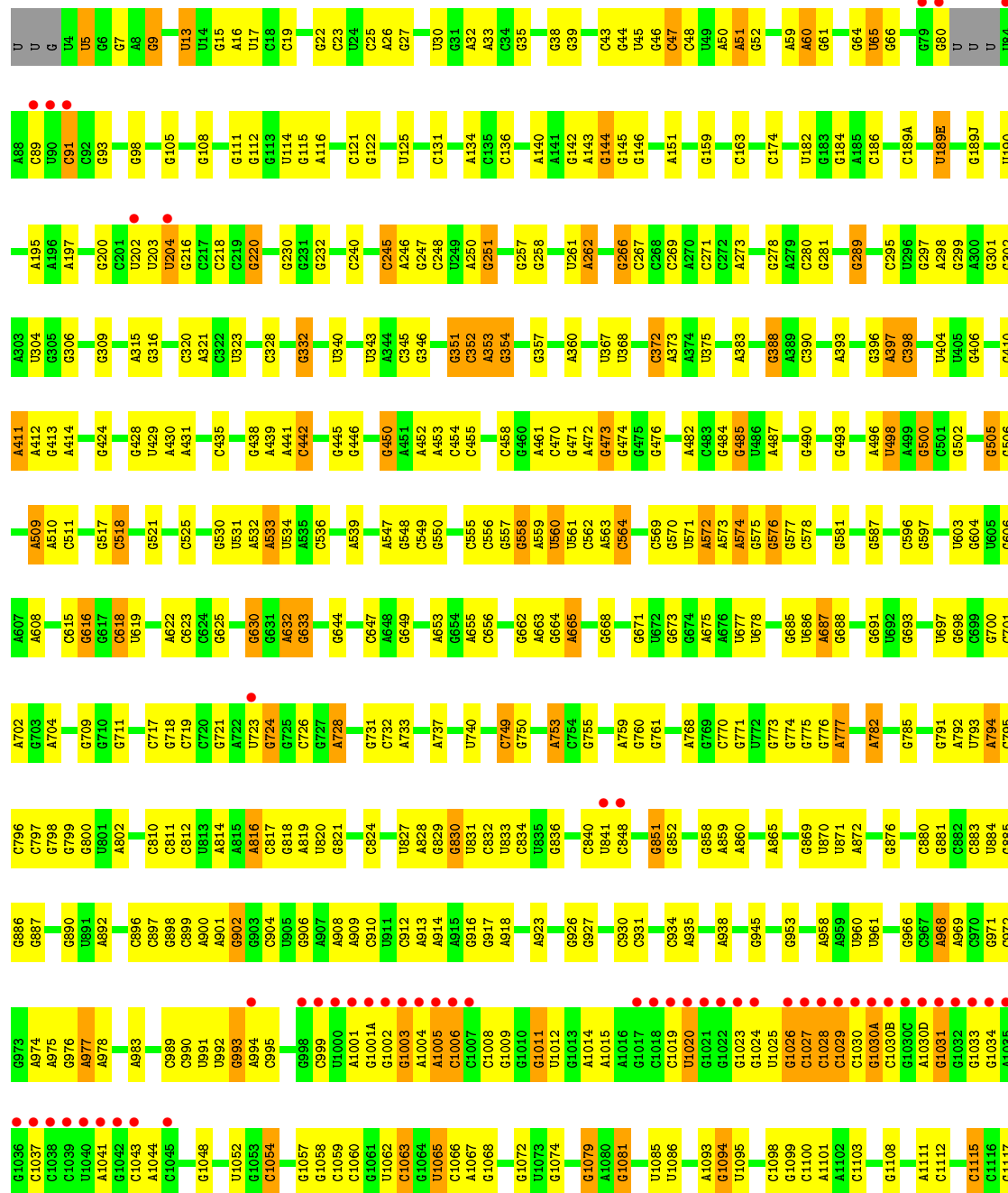
Chain 1a: 4% 53% 38% 8% .

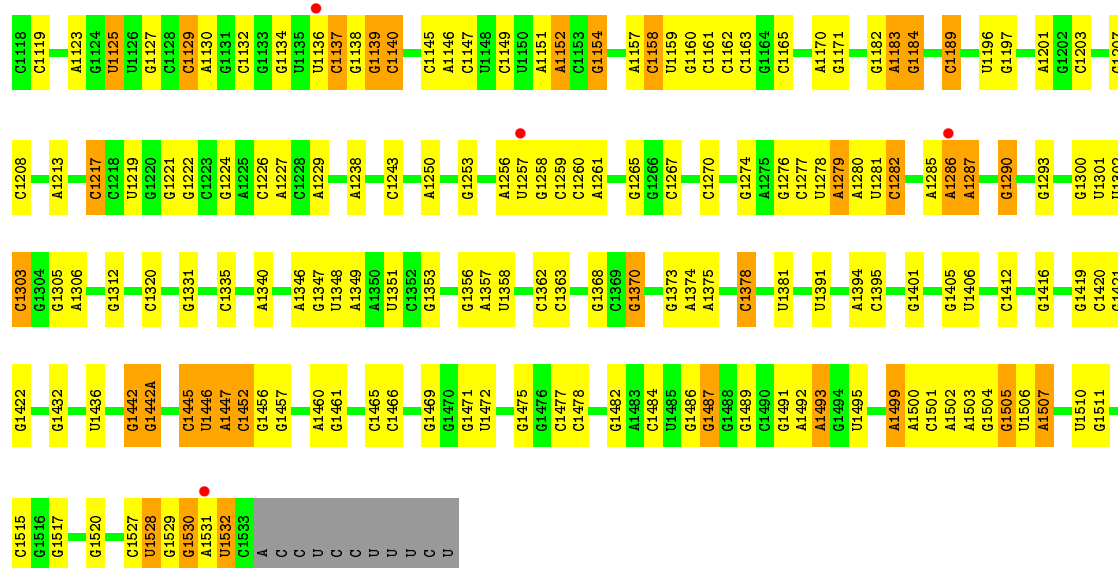


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U1292	C1200	C1113	G1030C	A872	A794	G700	C624	G542	A452	C355	A262	C176	U96
A1299	A1201	G1117	A1030D	A873	C796	G718	G625	G543	A453	A356	A263	U179	A101
G1300	G1203	G1120	G1032	C875	C797	C719	G630	G544	C455	G361	U264	U180	G104
U1301	A1204	G1123	G1034	C878	C799	A722	A632	G545	G460	G362	G266	U182	G105
U1302	C1208	G1124	A1035	C879	G800	U723	G633	A547	A461	A363	C267	G183	
C1303	C1209	U1125	G1036	C880	U801	G724	G634	G548	C470	C366	A270	G186	C110
G1305	C1210	U1126	C1037	C881	A802	G724	G635	G549	G471	U367	A279	C187	G112
G1316	U1211	A1130	G1038	U684	U804	A728	G639	U551	G474	C372	C280	G188	G114
C1317	A1212	C1131	U1040	G885	C805	G730	A640	U552	G475	A373	G284	G189	G115
C1320	A1213	C1132	A1041	G888	C806	G731	U641	G557	G479	C381	G285	C189A	A116
G1325	C1217	G1133	C1043	A889	A807	C732	A642	G558	U480	C382	G286	C189B	
C1326	U1218	U1135	A1044	G890	G809	G734	G644	U560	G481	C384	G289	C189D	A119
	C1218	U1136	C1045	U891	C810	G735	C647	U561	A482	C385	G289	C189D	A120
	C1223	C1137	A1046	A892	C811	C736	U648	C562	C483	G388	G297	G189G	C121
G1331	G1224	G1138	U1049	G895	U813	A737	A648	A563	G484	G388	G298	G189H	
G1338	G1225	C1139	U1052	C896	A814	C738	G649	G567	U486	G394	A298	G189L	U125
A1339	A1227	C1140	G1053	C897	A815	C739	A653	G568	U487	A397	A300	U190	U129
U1340	C1228	G1141	C1054	G898	A816	U740	A655	G569	G490	C398	G301	G191	
U1341	U1232	C1142	A1055	A900	G818	C744	C656	G570		C399	G308	C194	C131
C1342	G1233	C1143	U1056	A901	G819	G750	G657	U571	A495	G406	C309	U196	C132
G1343	G1233	A1146	U1057	G902	U820	U751	G658	A572	A496	U404	G310	A196	U133
A1344	U1238	U1150	C1062	G903	G821	G752	U659	A574	U498	U405	G311	A197	U134
C1345	A1239	A1151	C1063	G904	C822	A753	G660	G575	A499	G406	C312	G198	C135
U1346	U1240	A1152	G1064	U905	G823	C754	G661	G576	G500	G410	G321	G200	C136
G1347	G1241	C1153	U1065	G906	C824	G755	G662	G577	C501	A411	C322	G200	G139
U1348	C1243	G1154	C1066	A907	G825	C756	A663	G584	G502	A412	U323	U202	A140
G1353	G1243	G1155	G1067	A908	G826	U757	A665	G585	C503	G413	G324	U203	G142
C1354	U1247	A1157	A1004	U911	A828	U758	G666	G588	G504	C419	A325	U204	A143
G1355	A1252	C1158	A1005	G912	U831	A759	G667	C589	G506	U420	G326	G216	G144
		U1159	C1006	A913	G834	G762	G668	C590	C507	U421	A327	C217	
G1361	G1255	C1162	C1007	A914	C835	G763	U669	U591	C508	U422	C328	C218	G148
C1362	A1256	G1077	G1008	G919	U836	C764	G670	G592	A509	G423	A329	C219	A149
A1363A	U1257	A1168	G1009	G925	G837	G765	G671	G595	A510	G424	C330	G220	C150
G1367	G1258	A1169	U1010	G926	G838	A766	U672	G596	C511	G424	G331	C221	
G1368	A1269	A1170	G1011	G927	U839	A767	G673	C512	U512	U427	G332	U222	G155
C1369	C1270	G1174	U1012	G928	C840	G769	A674	U603	G514	G428	G333	G156	G157
G1370	G1272	A1176	G1013	G931	U841	G773	A675	G604	C518	U429	C334	G226	G158
A1377	G1273	G1181	U1014	G932	C848	G774	G681	U605	C519	U436	G338	G227	
C1378	G1276	A1182	G1015	G933	G854	G775	A687	G606	G521	U437	C339	G231	A161
C1382	C1277	A1183	G1016	G934	G855	G776	G688	A607	G525	G438	U340	G232	A162
C1383	U1278	G1184	C935	G935	C856	A777	G689	C613	C528	A439	U343	C233	C163
C1384	A1279	C1189	C936	G936	C857	G778	G690	A614	C528	A441	A344	G247	U164
G1385	A1280	C1192	A937	G937	G858	A780	G691	G615	C528	C442	C345	A250	C165
		G1193	A938	G938	A859	A781	G692	G616	U531	C443	G346	G251	G166
U1391	G1283	C1196	G942	G939	U863	A782	G693	G617	A532	G444	G347	U252	C169
C1397	A1284	G1199	G943	A939	C866	G783	A694	U618	A533	G445	G348	U253	A172
	A1286	U1196	G944	A949	C866	G784	A695	C620	C536	C449	G351	G254	U173
			G1030A			A792	A696	A621		G450	A353	C174	C175

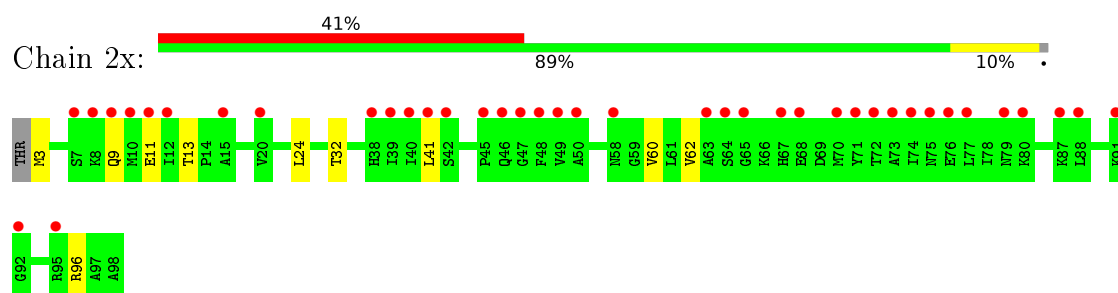


• Molecule 32: 16S ribosomal RNA

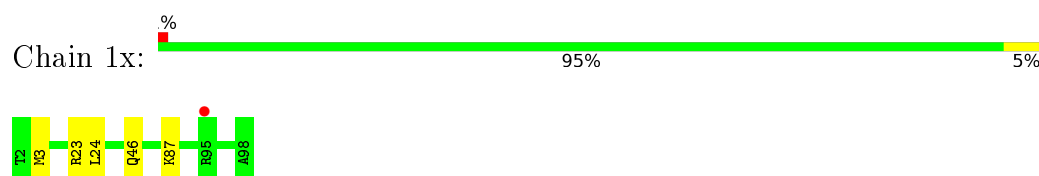




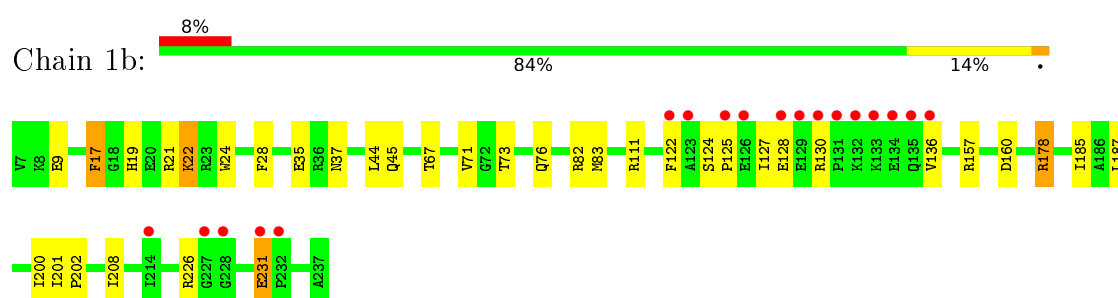
• Molecule 33: Ribosome-associated inhibitor A



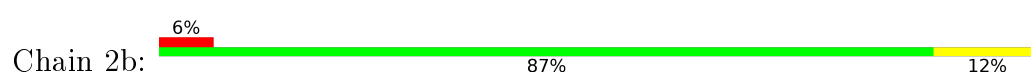
• Molecule 33: Ribosome-associated inhibitor A

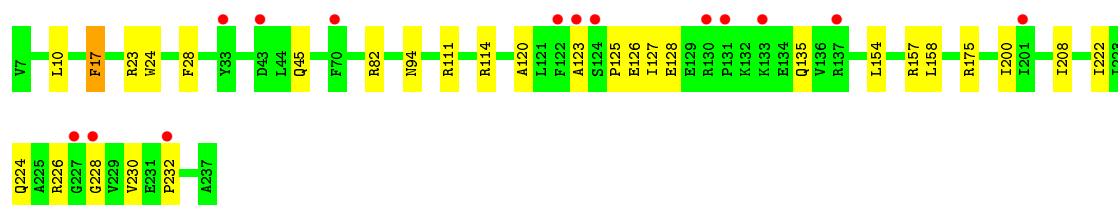


• Molecule 34: 30S ribosomal protein S2

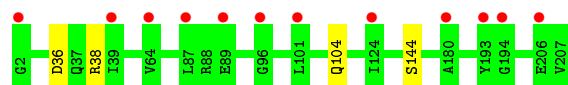


• Molecule 34: 30S ribosomal protein S2





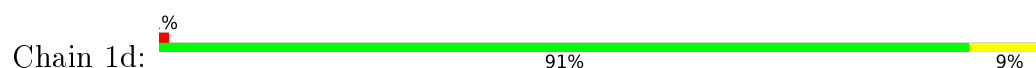
- Molecule 35: 30S ribosomal protein S3



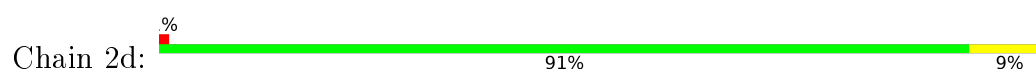
- Molecule 35: 30S ribosomal protein S3



- Molecule 36: 30S ribosomal protein S4



- Molecule 36: 30S ribosomal protein S4



- Molecule 37: 30S ribosomal protein S5



- Molecule 37: 30S ribosomal protein S5



- Molecule 38: 30S ribosomal protein S6

Chain 1f:  96% .



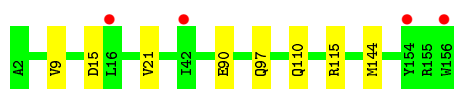
- Molecule 38: 30S ribosomal protein S6

Chain 2f:  94% 6%



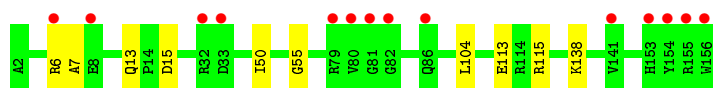
- Molecule 39: 30S ribosomal protein S7

Chain 1g:  3% 95% 5%



- Molecule 39: 30S ribosomal protein S7

Chain 2g:  9% 94% 6%



- Molecule 40: 30S ribosomal protein S8

Chain 1h:  % 94% 6%



- Molecule 40: 30S ribosomal protein S8

Chain 2h:  96% .

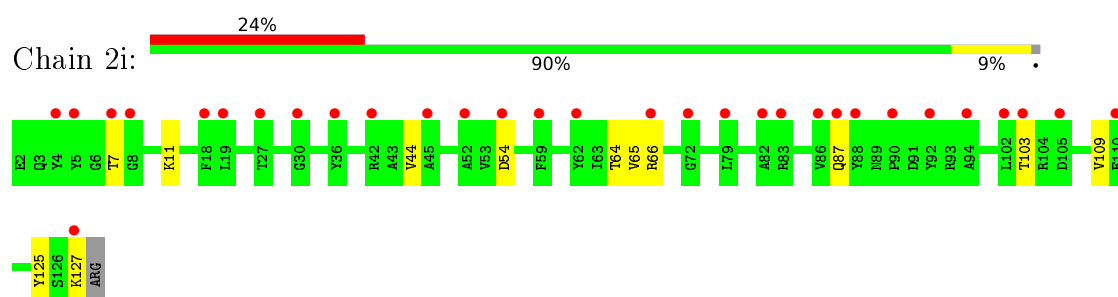


- Molecule 41: 30S ribosomal protein S9

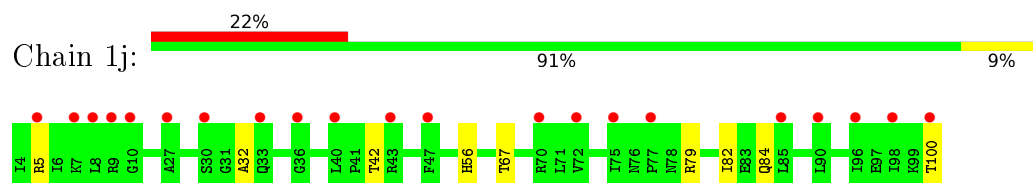
Chain 1i:  6% 92% 8%



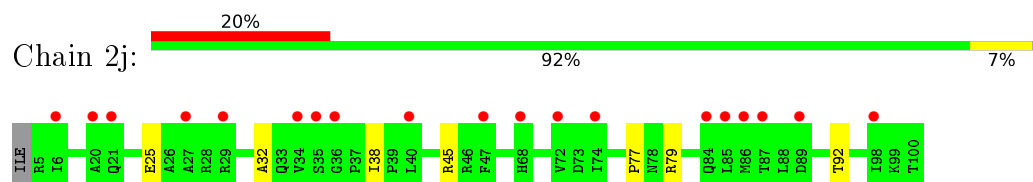
- Molecule 41: 30S ribosomal protein S9



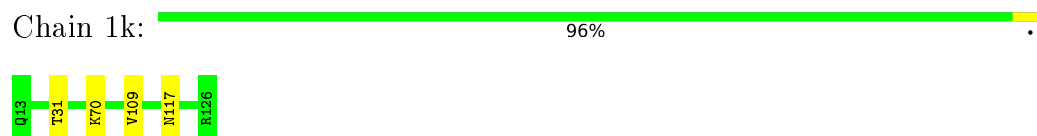
- Molecule 42: 30S ribosomal protein S10



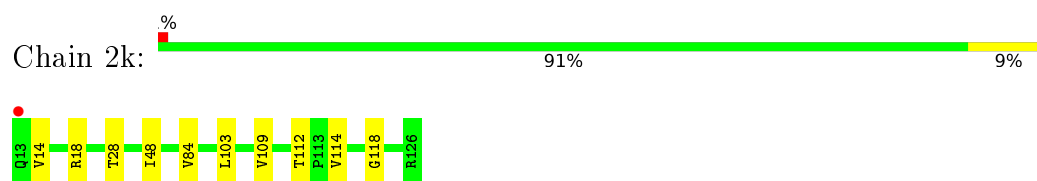
- Molecule 42: 30S ribosomal protein S10



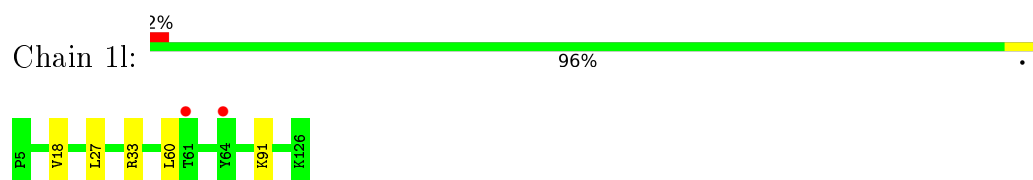
- Molecule 43: 30S ribosomal protein S11



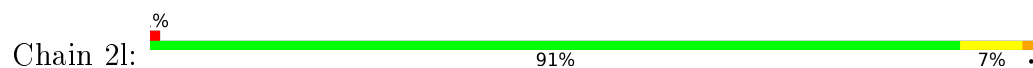
- Molecule 43: 30S ribosomal protein S11

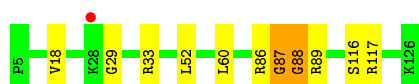


- Molecule 44: 30S ribosomal protein S12

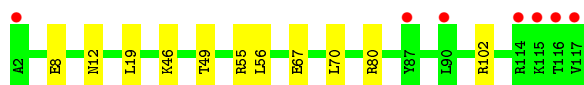
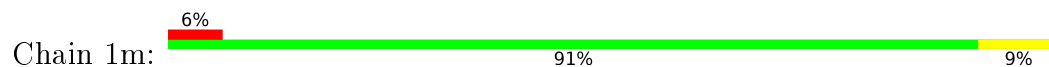


- Molecule 44: 30S ribosomal protein S12

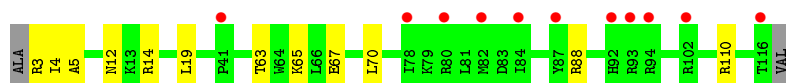
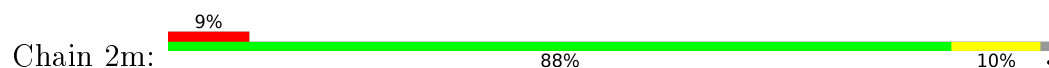




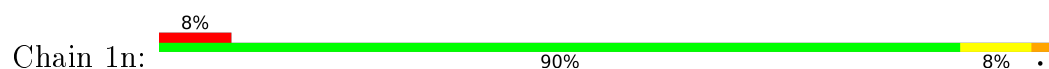
- Molecule 45: 30S ribosomal protein S13



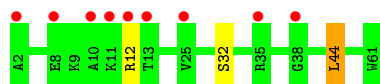
- Molecule 45: 30S ribosomal protein S13



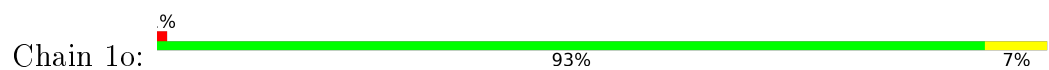
- Molecule 46: 30S ribosomal protein S14 type Z



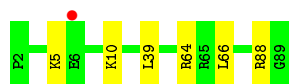
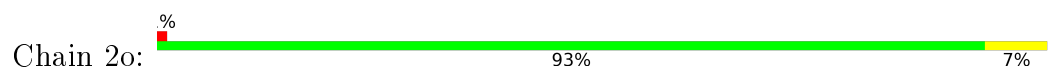
- Molecule 46: 30S ribosomal protein S14 type Z



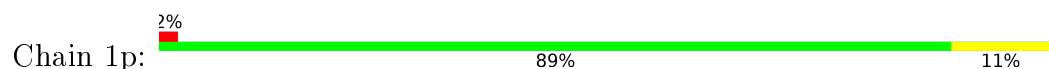
- Molecule 47: 30S ribosomal protein S15

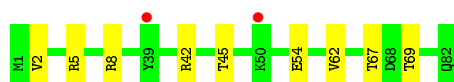


- Molecule 47: 30S ribosomal protein S15

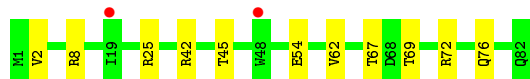
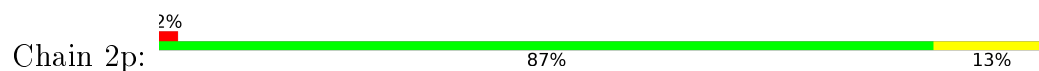


- Molecule 48: 30S ribosomal protein S16





- Molecule 48: 30S ribosomal protein S16



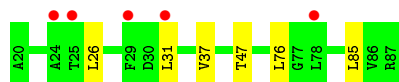
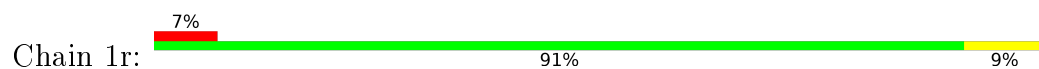
- Molecule 49: 30S ribosomal protein S17



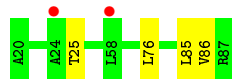
- Molecule 49: 30S ribosomal protein S17



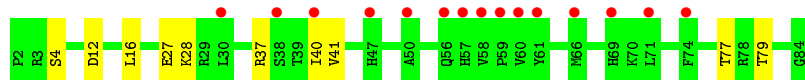
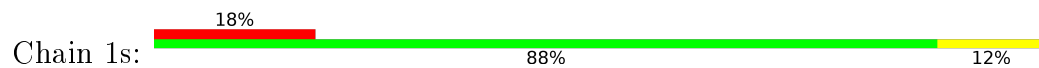
- Molecule 50: 30S ribosomal protein S18



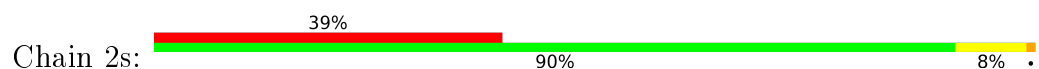
- Molecule 50: 30S ribosomal protein S18

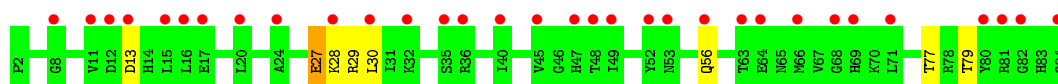


- Molecule 51: 30S ribosomal protein S19

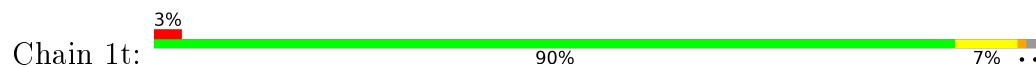


- Molecule 51: 30S ribosomal protein S19

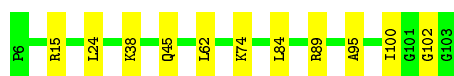
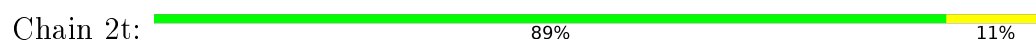




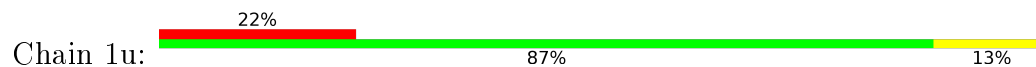
- Molecule 52: 30S ribosomal protein S20



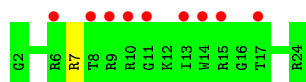
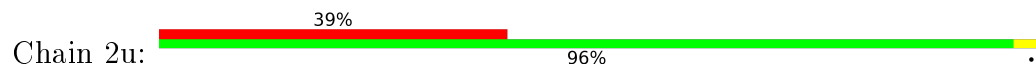
- Molecule 52: 30S ribosomal protein S20



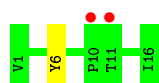
- Molecule 53: 30S ribosomal protein Thx



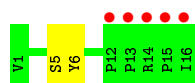
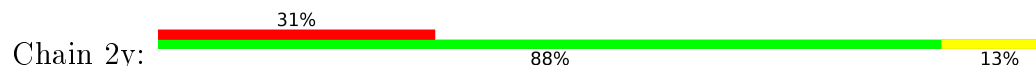
- Molecule 53: 30S ribosomal protein Thx



- Molecule 54: Pyrrhocoricin



- Molecule 54: Pyrrhocoricin



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.94Å 450.10Å 622.93Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.81 – 2.80 49.81 – 2.59	Depositor EDS
% Data completeness (in resolution range)	100.0 (49.81-2.80) 99.9 (49.81-2.59)	Depositor EDS
R_{merge}	0.17	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.97 (at 2.58Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.189 , 0.240 0.214 , 0.257	Depositor DCC
R_{free} test set	88568 reflections (5.21%)	DCC
Wilson B-factor (Å ²)	69.2	Xtriage
Anisotropy	0.044	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.28 , 27.3	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Outliers	0 of 1790092 reflections	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	293583	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.54% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.375 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, OMC, ZN, OMG, OMU, MA6, G7M, SF4, 0TD, MG, 2MA, 2MG, 5MC, UR3, 4OC, M2G, PSU

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	1A	1.57	577/69022 (0.8%)	2.06	3825/107739 (3.6%)
1	2A	1.21	119/68893 (0.2%)	1.72	1783/107533 (1.7%)
2	1B	1.15	4/2879 (0.1%)	1.89	110/4490 (2.4%)
2	2B	1.02	1/2874 (0.0%)	1.58	50/4482 (1.1%)
3	1D	0.93	0/2181	1.00	4/2940 (0.1%)
3	2D	0.78	0/2186	0.87	1/2944 (0.0%)
4	1E	0.99	0/1592	1.02	3/2149 (0.1%)
4	2E	0.79	0/1592	0.91	2/2149 (0.1%)
5	1F	0.95	0/1619	0.96	4/2193 (0.2%)
5	2F	0.73	0/1615	0.85	0/2188
6	1G	0.70	0/1451	0.86	0/1961
6	2G	0.78	1/1449 (0.1%)	0.86	0/1957
7	1H	0.80	0/1356	0.89	0/1834
7	2H	0.77	0/1350	0.85	0/1826
8	1I	0.77	2/1109 (0.2%)	0.92	2/1512 (0.1%)
8	2I	0.67	0/1091	0.87	2/1490 (0.1%)
9	1N	0.93	1/1148 (0.1%)	0.97	3/1547 (0.2%)
9	2N	0.64	0/1144	0.83	0/1543
10	1O	1.02	0/943	1.00	2/1269 (0.2%)
10	2O	0.81	0/943	0.86	1/1269 (0.1%)
11	1P	0.89	0/1152	0.96	2/1533 (0.1%)
11	2P	0.68	0/1152	0.83	0/1533
12	1Q	0.94	0/1143	0.94	0/1527
12	2Q	0.68	0/1143	0.83	0/1527
13	1R	0.94	0/982	1.08	7/1312 (0.5%)
13	2R	0.70	0/982	0.90	1/1312 (0.1%)
14	1S	0.79	1/887 (0.1%)	0.98	2/1180 (0.2%)
14	2S	0.68	0/880	0.85	0/1172
15	1T	0.88	1/1105 (0.1%)	1.06	4/1477 (0.3%)
15	2T	0.73	0/1097	0.91	2/1468 (0.1%)
16	1U	1.08	2/977 (0.2%)	1.05	7/1301 (0.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.73	0/977	0.83	0/1301
17	1V	0.94	0/786	0.98	2/1053 (0.2%)
17	2V	0.67	0/782	0.84	0/1049
18	1W	1.04	0/897	1.02	4/1205 (0.3%)
18	2W	0.83	0/897	0.84	1/1205 (0.1%)
19	1X	0.95	0/764	0.96	1/1025 (0.1%)
19	2X	0.76	0/764	0.86	2/1025 (0.2%)
20	1Y	0.86	0/823	0.96	1/1099 (0.1%)
20	2Y	0.79	0/823	0.92	0/1100
21	1Z	0.73	0/1620	0.83	1/2200 (0.0%)
21	2Z	0.70	0/1590	0.84	1/2162 (0.0%)
22	10	0.88	0/616	0.94	0/821
22	20	0.68	0/616	0.86	0/821
23	11	1.01	1/761 (0.1%)	0.96	1/1013 (0.1%)
23	21	0.79	0/766	0.92	2/1018 (0.2%)
24	12	0.87	0/590	0.94	0/781
24	22	0.77	0/594	0.81	0/785
25	13	0.92	0/474	0.94	0/635
25	23	0.62	0/469	0.80	1/630 (0.2%)
26	14	0.89	0/559	0.89	0/754
26	24	1.06	0/549	0.97	0/741
27	15	1.08	3/473 (0.6%)	1.07	6/639 (0.9%)
27	25	0.83	0/469	0.97	2/635 (0.3%)
28	16	0.98	2/460 (0.4%)	1.04	1/613 (0.2%)
28	26	0.68	0/456	0.80	0/608
29	17	1.08	0/426	1.08	1/561 (0.2%)
29	27	0.81	0/426	0.88	0/561
30	18	0.96	1/525 (0.2%)	0.95	2/691 (0.3%)
30	28	0.72	0/525	0.79	0/691
31	19	0.96	1/310 (0.3%)	1.09	2/407 (0.5%)
31	29	0.70	0/310	0.79	0/407
32	1a	1.14	55/35795 (0.2%)	1.70	881/55864 (1.6%)
32	2a	1.10	48/35890 (0.1%)	1.65	737/56012 (1.3%)
33	1x	0.66	0/776	0.79	0/1048
33	2x	0.72	0/761	0.79	0/1030
34	1b	0.77	0/1876	0.93	3/2533 (0.1%)
34	2b	0.78	0/1860	0.89	0/2518
35	1c	0.72	0/1582	0.80	0/2137
35	2c	0.81	0/1566	0.81	0/2119
36	1d	0.71	0/1695	0.84	0/2274
36	2d	0.70	0/1698	0.85	0/2277
37	1e	0.66	0/1149	0.88	0/1548
37	2e	0.68	0/1149	0.87	0/1548

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1f	0.72	0/827	0.81	0/1120
38	2f	0.70	0/829	0.84	0/1123
39	1g	0.71	1/1254 (0.1%)	0.77	0/1683
39	2g	0.73	0/1248	0.76	0/1676
40	1h	0.67	0/1118	0.83	0/1506
40	2h	0.61	0/1108	0.83	0/1494
41	1i	0.77	0/1005	0.82	0/1351
41	2i	0.84	0/985	0.88	0/1329
42	1j	0.79	0/732	0.84	0/993
42	2j	0.81	0/723	0.76	0/984
43	1k	0.73	0/849	0.85	0/1150
43	2k	0.67	0/848	0.86	1/1149 (0.1%)
44	1l	0.69	0/937	0.83	0/1260
44	2l	0.68	0/937	0.95	3/1260 (0.2%)
45	1m	0.68	0/924	0.83	0/1242
45	2m	0.76	0/905	0.82	0/1217
46	1n	0.74	0/501	0.93	2/664 (0.3%)
46	2n	0.75	0/501	0.82	1/664 (0.2%)
47	1o	0.72	0/739	0.86	0/985
47	2o	0.65	0/739	0.79	0/985
48	1p	0.69	0/697	0.85	0/939
48	2p	0.70	0/693	0.90	0/935
49	1q	0.73	0/836	0.86	0/1117
49	2q	0.67	0/836	0.85	1/1117 (0.1%)
50	1r	0.70	0/560	0.87	1/746 (0.1%)
50	2r	0.70	0/560	0.81	0/746
51	1s	0.73	0/663	0.81	0/895
51	2s	0.81	0/660	0.79	1/893 (0.1%)
52	1t	0.68	0/734	0.86	0/969
52	2t	0.64	0/736	0.85	0/976
53	1u	0.69	0/203	0.83	0/266
53	2u	0.73	0/203	0.87	0/266
54	1y	0.83	0/125	0.82	0/173
54	2y	0.69	0/125	0.74	0/173
All	All	1.17	821/310171 (0.3%)	1.62	7479/463547 (1.6%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
19	1X	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
19	2X	0	1
30	18	0	1
44	2l	0	1
All	All	0	4

The worst 5 of 821 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2026	G	N7-C5	-11.28	1.32	1.39
1	1A	2040	G	P-OP2	-11.24	1.29	1.49
1	1A	354	A	N9-C4	-10.67	1.31	1.37
1	1A	1814	A	N3-C4	-10.29	1.28	1.34
1	2A	1046	A	N9-C4	9.81	1.43	1.37

The worst 5 of 7479 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1208	C	O5'-P-OP1	-33.37	70.65	110.70
32	1a	1520	G	O5'-P-OP1	-31.38	73.04	110.70
32	1a	1520	G	O5'-P-OP2	26.23	142.18	110.70
32	1a	1520	G	OP1-P-OP2	-24.67	82.60	119.60
32	2a	1208	C	OP1-P-OP2	-24.65	82.62	119.60

There are no chirality outliers.

All (4) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
30	18	13	ARG	Peptide
19	1X	93	GLU	Peptide
19	2X	93	GLU	Peptide
44	2l	86	ARG	Peptide

5.2 Too-close contacts ⓘ

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

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61862	0	31150	639	0
1	2A	61751	0	31143	789	0
2	1B	2575	0	1304	18	0
2	2B	2571	0	1308	33	0
3	1D	2131	0	2207	58	0
3	2D	2136	0	2218	41	0
4	1E	1559	0	1618	34	0
4	2E	1559	0	1618	39	0
5	1F	1584	0	1625	27	0
5	2F	1580	0	1619	45	0
6	1G	1426	0	1445	50	0
6	2G	1424	0	1441	68	0
7	1H	1330	0	1407	31	0
7	2H	1324	0	1402	43	0
8	1I	1094	0	1127	35	0
8	2I	1076	0	1094	32	0
9	1N	1121	0	1195	17	0
9	2N	1117	0	1184	25	0
10	1O	933	0	996	16	0
10	2O	933	0	996	24	0
11	1P	1135	0	1212	21	0
11	2P	1135	0	1212	25	0
12	1Q	1122	0	1179	27	0
12	2Q	1122	0	1179	28	0
13	1R	968	0	1033	17	0
13	2R	968	0	1033	21	0
14	1S	877	0	938	28	0
14	2S	870	0	923	30	0
15	1T	1091	0	1151	24	0
15	2T	1083	0	1136	23	0
16	1U	959	0	1019	15	0
16	2U	959	0	1019	24	0
17	1V	775	0	841	15	0
17	2V	771	0	830	25	0
18	1W	886	0	940	11	0
18	2W	886	0	940	12	0
19	1X	750	0	814	22	0
19	2X	750	0	814	20	0
20	1Y	810	0	892	20	0
20	2Y	810	0	887	21	0
21	1Z	1587	0	1598	30	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
21	2Z	1557	0	1564	54	0
22	10	608	0	622	12	0
22	20	608	0	622	13	0
23	11	754	0	823	19	0
23	21	759	0	837	19	0
24	12	588	0	643	13	0
24	22	592	0	654	6	0
25	13	469	0	518	7	0
25	23	464	0	514	9	0
26	14	546	0	522	18	0
26	24	536	0	514	23	0
27	15	459	0	476	14	0
27	25	455	0	465	17	0
28	16	453	0	473	6	0
28	26	449	0	469	8	0
29	17	418	0	467	7	0
29	27	418	0	467	6	0
30	18	517	0	582	11	0
30	28	517	0	582	13	0
31	19	307	0	335	6	0
31	29	307	0	335	9	0
32	1a	32246	0	16295	0	0
32	2a	32331	0	16337	0	0
33	1x	764	0	786	0	0
33	2x	749	0	757	0	0
34	1b	1842	0	1862	0	0
34	2b	1825	0	1828	0	0
35	1c	1558	0	1557	0	0
35	2c	1542	0	1517	0	0
36	1d	1665	0	1687	0	0
36	2d	1668	0	1703	0	0
37	1e	1133	0	1191	0	0
37	2e	1133	0	1191	0	0
38	1f	814	0	808	0	0
38	2f	816	0	808	0	0
39	1g	1235	0	1249	0	0
39	2g	1229	0	1238	0	0
40	1h	1098	0	1143	0	0
40	2h	1088	0	1126	0	0
41	1i	986	0	990	0	0
41	2i	966	0	953	0	0
42	1j	719	0	672	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
42	2j	710	0	661	0	0
43	1k	834	0	838	0	0
43	2k	833	0	836	0	0
44	1l	932	0	981	0	0
44	2l	932	0	981	0	0
45	1m	914	0	954	0	0
45	2m	895	0	920	0	0
46	1n	492	0	529	0	0
46	2n	492	0	529	0	0
47	1o	728	0	760	0	0
47	2o	728	0	760	0	0
48	1p	681	0	697	0	0
48	2p	677	0	686	0	0
49	1q	823	0	891	0	0
49	2q	823	0	891	0	0
50	1r	555	0	618	0	0
50	2r	555	0	618	0	0
51	1s	648	0	658	0	0
51	2s	645	0	635	0	0
52	1t	732	0	809	0	0
52	2t	733	0	795	0	0
53	1u	199	0	208	0	0
53	2u	199	0	208	0	0
54	1y	120	0	124	0	0
54	2y	120	0	124	0	0
55	10	7	0	0	0	0
55	11	3	0	0	0	0
55	13	1	0	0	0	0
55	15	4	0	0	0	0
55	17	2	0	0	0	0
55	18	3	0	0	0	0
55	19	2	0	0	0	0
55	1A	945	0	0	0	0
55	1B	26	0	0	0	0
55	1D	14	0	0	0	0
55	1E	5	0	0	0	0
55	1F	12	0	0	0	0
55	1G	3	0	0	0	0
55	1H	2	0	0	0	0
55	1N	4	0	0	0	0
55	1P	2	0	0	0	0
55	1Q	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	1R	3	0	0	0	0
55	1U	3	0	0	0	0
55	1V	1	0	0	0	0
55	1W	2	0	0	0	0
55	1X	1	0	0	0	0
55	1Y	1	0	0	0	0
55	1a	226	0	0	0	0
55	1b	1	0	0	0	0
55	1d	5	0	0	0	0
55	1e	1	0	0	0	0
55	1f	1	0	0	0	0
55	1g	1	0	0	0	0
55	1h	2	0	0	0	0
55	1k	1	0	0	0	0
55	1l	1	0	0	0	0
55	1o	1	0	0	0	0
55	1t	1	0	0	0	0
55	1y	1	0	0	0	0
55	20	5	0	0	0	0
55	21	2	0	0	0	0
55	25	3	0	0	0	0
55	27	2	0	0	0	0
55	28	2	0	0	0	0
55	2A	837	0	0	0	0
55	2B	18	0	0	0	0
55	2D	10	0	0	0	0
55	2E	4	0	0	0	0
55	2F	9	0	0	0	0
55	2G	3	0	0	0	0
55	2H	1	0	0	0	0
55	2N	1	0	0	0	0
55	2P	2	0	0	0	0
55	2Q	5	0	0	0	0
55	2R	2	0	0	0	0
55	2S	1	0	0	0	0
55	2U	2	0	0	0	0
55	2V	3	0	0	0	0
55	2W	1	0	0	0	0
55	2X	3	0	0	0	0
55	2a	197	0	0	0	0
55	2b	1	0	0	0	0
55	2d	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	2e	2	0	0	0	0
55	2f	1	0	0	0	0
55	2g	1	0	0	0	0
55	2h	2	0	0	0	0
55	2l	2	0	0	0	0
55	2n	1	0	0	0	0
55	2o	1	0	0	0	0
55	2q	1	0	0	0	0
56	14	1	0	0	0	0
56	15	1	0	0	0	0
56	16	1	0	0	0	0
56	19	1	0	0	0	0
56	1Y	1	0	0	0	0
56	1n	1	0	0	0	0
56	24	1	0	0	0	0
56	25	1	0	0	0	0
56	26	1	0	0	0	0
56	29	1	0	0	0	0
56	2Y	1	0	0	0	0
56	2n	1	0	0	0	0
57	1d	8	0	0	0	0
57	2d	8	0	0	0	0
58	2A	1	0	0	0	0
59	10	5	0	0	0	0
59	11	3	0	0	0	0
59	13	1	0	0	0	0
59	15	2	0	0	0	0
59	16	2	0	0	0	0
59	17	2	0	0	0	0
59	18	9	0	0	0	0
59	19	2	0	0	0	0
59	1A	1740	0	0	4	0
59	1B	43	0	0	0	0
59	1D	16	0	0	0	0
59	1E	17	0	0	0	0
59	1F	9	0	0	0	0
59	1G	2	0	0	0	0
59	1H	3	0	0	0	0
59	1N	8	0	0	0	0
59	1P	13	0	0	0	0
59	1Q	7	0	0	0	0
59	1R	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	1T	5	0	0	0	0
59	1U	5	0	0	0	0
59	1V	3	0	0	0	0
59	1W	2	0	0	0	0
59	1X	4	0	0	0	0
59	1Y	4	0	0	0	0
59	1a	395	0	0	0	0
59	1d	10	0	0	0	0
59	1e	2	0	0	0	0
59	1f	1	0	0	0	0
59	1h	1	0	0	0	0
59	1j	1	0	0	0	0
59	1l	3	0	0	0	0
59	1m	2	0	0	0	0
59	1n	1	0	0	0	0
59	1p	1	0	0	0	0
59	1q	1	0	0	0	0
59	1t	1	0	0	0	0
59	1y	2	0	0	0	0
59	20	7	0	0	0	0
59	21	2	0	0	0	0
59	23	2	0	0	0	0
59	25	1	0	0	0	0
59	26	2	0	0	0	0
59	27	1	0	0	0	0
59	28	6	0	0	0	0
59	2A	1667	0	0	7	0
59	2B	35	0	0	1	0
59	2D	14	0	0	0	0
59	2E	16	0	0	0	0
59	2F	11	0	0	0	0
59	2G	2	0	0	0	0
59	2H	2	0	0	2	0
59	2N	2	0	0	0	0
59	2P	11	0	0	0	0
59	2Q	4	0	0	0	0
59	2R	4	0	0	0	0
59	2T	2	0	0	0	0
59	2U	2	0	0	1	0
59	2V	2	0	0	0	0
59	2W	2	0	0	0	0
59	2X	5	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	2Y	3	0	0	0	0
59	2a	387	0	0	0	0
59	2c	1	0	0	0	0
59	2d	6	0	0	0	0
59	2e	4	0	0	0	0
59	2f	1	0	0	0	0
59	2h	1	0	0	0	0
59	2j	1	0	0	0	0
59	2l	3	0	0	0	0
59	2m	2	0	0	0	0
59	2o	1	0	0	0	0
59	2t	1	0	0	0	0
59	2y	1	0	0	0	0
All	All	293583	0	194580	2472	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 2472 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2A:2552:OMU:C4	1:2A:2552:OMU:C5	1.76	1.57
1:1A:1405:A:N6	1:1A:1418:U:H3	1.32	1.27
1:1A:2331:G:H22	14:1S:3:ARG:HD3	1.08	1.11
1:1A:1405:A:N1	1:1A:1418:U:O4	1.89	1.04
1:2A:1064:C:H3'	1:2A:1065:U:H5''	1.42	1.02

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	273/275 (99%)	262 (96%)	11 (4%)	0	100	100
3	2D	273/275 (99%)	258 (94%)	15 (6%)	0	100	100
4	1E	202/204 (99%)	194 (96%)	7 (4%)	1 (0%)	34	69
4	2E	202/204 (99%)	192 (95%)	9 (4%)	1 (0%)	34	69
5	1F	201/203 (99%)	194 (96%)	6 (3%)	1 (0%)	34	69
5	2F	201/203 (99%)	195 (97%)	4 (2%)	2 (1%)	19	52
6	1G	179/181 (99%)	164 (92%)	12 (7%)	3 (2%)	11	36
6	2G	179/181 (99%)	163 (91%)	14 (8%)	2 (1%)	17	50
7	1H	172/174 (99%)	162 (94%)	10 (6%)	0	100	100
7	2H	171/174 (98%)	160 (94%)	11 (6%)	0	100	100
8	1I	145/147 (99%)	128 (88%)	15 (10%)	2 (1%)	14	42
8	2I	144/147 (98%)	125 (87%)	18 (12%)	1 (1%)	26	62
9	1N	138/140 (99%)	131 (95%)	7 (5%)	0	100	100
9	2N	138/140 (99%)	131 (95%)	7 (5%)	0	100	100
10	1O	120/122 (98%)	113 (94%)	6 (5%)	1 (1%)	24	58
10	2O	120/122 (98%)	112 (93%)	7 (6%)	1 (1%)	24	58
11	1P	147/149 (99%)	140 (95%)	7 (5%)	0	100	100
11	2P	147/149 (99%)	140 (95%)	6 (4%)	1 (1%)	26	62
12	1Q	139/141 (99%)	134 (96%)	4 (3%)	1 (1%)	26	62
12	2Q	139/141 (99%)	133 (96%)	5 (4%)	1 (1%)	26	62
13	1R	116/118 (98%)	109 (94%)	7 (6%)	0	100	100
13	2R	116/118 (98%)	110 (95%)	6 (5%)	0	100	100
14	1S	108/110 (98%)	102 (94%)	5 (5%)	1 (1%)	21	55
14	2S	108/110 (98%)	101 (94%)	6 (6%)	1 (1%)	21	55
15	1T	129/131 (98%)	125 (97%)	4 (3%)	0	100	100
15	2T	129/131 (98%)	126 (98%)	3 (2%)	0	100	100
16	1U	114/116 (98%)	114 (100%)	0	0	100	100
16	2U	114/116 (98%)	112 (98%)	2 (2%)	0	100	100
17	1V	99/101 (98%)	94 (95%)	4 (4%)	1 (1%)	19	52
17	2V	99/101 (98%)	96 (97%)	2 (2%)	1 (1%)	19	52
18	1W	110/112 (98%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/112 (98%)	109 (99%)	1 (1%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
19	1X	93/95 (98%)	90 (97%)	3 (3%)	0	100	100
19	2X	93/95 (98%)	89 (96%)	4 (4%)	0	100	100
20	1Y	105/107 (98%)	97 (92%)	8 (8%)	0	100	100
20	2Y	105/107 (98%)	99 (94%)	6 (6%)	0	100	100
21	1Z	201/203 (99%)	190 (94%)	10 (5%)	1 (0%)	34	69
21	2Z	199/203 (98%)	187 (94%)	12 (6%)	0	100	100
22	10	75/77 (97%)	72 (96%)	3 (4%)	0	100	100
22	20	75/77 (97%)	72 (96%)	3 (4%)	0	100	100
23	11	95/97 (98%)	94 (99%)	0	1 (1%)	17	50
23	21	95/97 (98%)	92 (97%)	2 (2%)	1 (1%)	17	50
24	12	68/70 (97%)	67 (98%)	1 (2%)	0	100	100
24	22	68/70 (97%)	66 (97%)	2 (3%)	0	100	100
25	13	57/59 (97%)	55 (96%)	2 (4%)	0	100	100
25	23	57/59 (97%)	53 (93%)	4 (7%)	0	100	100
26	14	67/69 (97%)	55 (82%)	9 (13%)	3 (4%)	3	10
26	24	67/69 (97%)	54 (81%)	6 (9%)	7 (10%)	1	1
27	15	57/59 (97%)	55 (96%)	2 (4%)	0	100	100
27	25	57/59 (97%)	56 (98%)	1 (2%)	0	100	100
28	16	51/53 (96%)	50 (98%)	1 (2%)	0	100	100
28	26	51/53 (96%)	47 (92%)	4 (8%)	0	100	100
29	17	46/48 (96%)	46 (100%)	0	0	100	100
29	27	46/48 (96%)	45 (98%)	1 (2%)	0	100	100
30	18	62/64 (97%)	61 (98%)	1 (2%)	0	100	100
30	28	62/64 (97%)	61 (98%)	1 (2%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1x	95/97 (98%)	93 (98%)	2 (2%)	0	100	100
33	2x	94/97 (97%)	92 (98%)	2 (2%)	0	100	100
34	1b	229/231 (99%)	193 (84%)	27 (12%)	9 (4%)	4	12
34	2b	229/231 (99%)	194 (85%)	28 (12%)	7 (3%)	5	17
35	1c	204/206 (99%)	177 (87%)	26 (13%)	1 (0%)	34	69

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
35	2c	204/206 (99%)	177 (87%)	23 (11%)	4 (2%)	9	30
36	1d	206/208 (99%)	187 (91%)	16 (8%)	3 (2%)	13	40
36	2d	206/208 (99%)	187 (91%)	16 (8%)	3 (2%)	13	40
37	1e	146/148 (99%)	136 (93%)	9 (6%)	1 (1%)	26	62
37	2e	146/148 (99%)	135 (92%)	11 (8%)	0	100	100
38	1f	98/100 (98%)	87 (89%)	11 (11%)	0	100	100
38	2f	98/100 (98%)	90 (92%)	8 (8%)	0	100	100
39	1g	153/155 (99%)	146 (95%)	7 (5%)	0	100	100
39	2g	153/155 (99%)	146 (95%)	4 (3%)	3 (2%)	9	30
40	1h	135/137 (98%)	127 (94%)	8 (6%)	0	100	100
40	2h	135/137 (98%)	129 (96%)	6 (4%)	0	100	100
41	1i	125/127 (98%)	109 (87%)	14 (11%)	2 (2%)	12	38
41	2i	124/127 (98%)	106 (86%)	14 (11%)	4 (3%)	5	17
42	1j	95/97 (98%)	79 (83%)	13 (14%)	3 (3%)	5	17
42	2j	94/97 (97%)	79 (84%)	12 (13%)	3 (3%)	5	17
43	1k	112/114 (98%)	103 (92%)	8 (7%)	1 (1%)	21	55
43	2k	112/114 (98%)	102 (91%)	10 (9%)	0	100	100
44	1l	119/122 (98%)	112 (94%)	6 (5%)	1 (1%)	24	58
44	2l	119/122 (98%)	108 (91%)	9 (8%)	2 (2%)	11	36
45	1m	114/116 (98%)	103 (90%)	9 (8%)	2 (2%)	11	34
45	2m	112/116 (97%)	102 (91%)	8 (7%)	2 (2%)	11	34
46	1n	58/60 (97%)	56 (97%)	2 (3%)	0	100	100
46	2n	58/60 (97%)	54 (93%)	4 (7%)	0	100	100
47	1o	86/88 (98%)	83 (96%)	3 (4%)	0	100	100
47	2o	86/88 (98%)	80 (93%)	5 (6%)	1 (1%)	16	47
48	1p	80/82 (98%)	72 (90%)	8 (10%)	0	100	100
48	2p	80/82 (98%)	72 (90%)	8 (10%)	0	100	100
49	1q	97/99 (98%)	92 (95%)	4 (4%)	1 (1%)	19	52
49	2q	97/99 (98%)	93 (96%)	4 (4%)	0	100	100
50	1r	66/68 (97%)	64 (97%)	2 (3%)	0	100	100
50	2r	66/68 (97%)	64 (97%)	2 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
51	1s	81/83 (98%)	71 (88%)	8 (10%)	2 (2%)	7	24
51	2s	81/83 (98%)	72 (89%)	6 (7%)	3 (4%)	4	14
52	1t	94/98 (96%)	88 (94%)	3 (3%)	3 (3%)	5	17
52	2t	96/98 (98%)	87 (91%)	6 (6%)	3 (3%)	5	17
53	1u	21/23 (91%)	19 (90%)	1 (5%)	1 (5%)	3	9
53	2u	21/23 (91%)	19 (90%)	1 (5%)	1 (5%)	3	9
54	1y	14/16 (88%)	14 (100%)	0	0	100	100
54	2y	14/16 (88%)	14 (100%)	0	0	100	100
All	All	11657/11874 (98%)	10874 (93%)	682 (6%)	101 (1%)	21	55

5 of 101 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
4	1E	52	LEU
6	1G	49	ASP
6	1G	51	ARG
8	1I	73	GLU
14	1S	59	LYS

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	214/217 (99%)	194 (91%)	20 (9%)	11	32
3	2D	215/217 (99%)	189 (88%)	26 (12%)	6	18
4	1E	164/165 (99%)	148 (90%)	16 (10%)	10	28
4	2E	164/165 (99%)	147 (90%)	17 (10%)	9	25
5	1F	160/161 (99%)	137 (86%)	23 (14%)	4	12
5	2F	159/161 (99%)	142 (89%)	17 (11%)	8	24
6	1G	144/155 (93%)	132 (92%)	12 (8%)	14	38
6	2G	142/155 (92%)	132 (93%)	10 (7%)	19	47

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
7	1H	144/145 (99%)	132 (92%)	12 (8%)	14	38
7	2H	143/145 (99%)	130 (91%)	13 (9%)	12	33
8	1I	111/123 (90%)	96 (86%)	15 (14%)	5	14
8	2I	108/123 (88%)	95 (88%)	13 (12%)	6	19
9	1N	119/119 (100%)	106 (89%)	13 (11%)	8	23
9	2N	118/119 (99%)	104 (88%)	14 (12%)	6	19
10	1O	100/100 (100%)	92 (92%)	8 (8%)	15	40
10	2O	100/100 (100%)	94 (94%)	6 (6%)	24	56
11	1P	115/116 (99%)	108 (94%)	7 (6%)	23	55
11	2P	115/116 (99%)	105 (91%)	10 (9%)	13	35
12	1Q	111/111 (100%)	103 (93%)	8 (7%)	18	45
12	2Q	111/111 (100%)	102 (92%)	9 (8%)	15	39
13	1R	101/101 (100%)	89 (88%)	12 (12%)	6	19
13	2R	101/101 (100%)	87 (86%)	14 (14%)	4	13
14	1S	87/87 (100%)	76 (87%)	11 (13%)	5	17
14	2S	85/87 (98%)	76 (89%)	9 (11%)	8	24
15	1T	115/115 (100%)	107 (93%)	8 (7%)	19	47
15	2T	113/115 (98%)	107 (95%)	6 (5%)	28	61
16	1U	93/93 (100%)	82 (88%)	11 (12%)	6	19
16	2U	93/93 (100%)	87 (94%)	6 (6%)	21	52
17	1V	81/82 (99%)	71 (88%)	10 (12%)	6	18
17	2V	80/82 (98%)	71 (89%)	9 (11%)	7	22
18	1W	90/91 (99%)	81 (90%)	9 (10%)	9	27
18	2W	90/91 (99%)	82 (91%)	8 (9%)	12	34
19	1X	77/77 (100%)	73 (95%)	4 (5%)	29	62
19	2X	77/77 (100%)	73 (95%)	4 (5%)	29	62
20	1Y	86/88 (98%)	81 (94%)	5 (6%)	25	57
20	2Y	86/88 (98%)	81 (94%)	5 (6%)	25	57
21	1Z	169/176 (96%)	152 (90%)	17 (10%)	9	27
21	2Z	165/176 (94%)	149 (90%)	16 (10%)	10	29
22	10	61/62 (98%)	54 (88%)	7 (12%)	7	21

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
22	20	61/62 (98%)	56 (92%)	5 (8%)	14	38
23	11	79/82 (96%)	75 (95%)	4 (5%)	29	63
23	21	81/82 (99%)	72 (89%)	9 (11%)	8	23
24	12	65/66 (98%)	61 (94%)	4 (6%)	23	54
24	22	66/66 (100%)	65 (98%)	1 (2%)	72	93
25	13	51/51 (100%)	48 (94%)	3 (6%)	24	57
25	23	50/51 (98%)	47 (94%)	3 (6%)	24	56
26	14	58/62 (94%)	49 (84%)	9 (16%)	3	10
26	24	54/62 (87%)	48 (89%)	6 (11%)	8	23
27	15	51/51 (100%)	49 (96%)	2 (4%)	39	74
27	25	50/51 (98%)	47 (94%)	3 (6%)	24	56
28	16	51/51 (100%)	44 (86%)	7 (14%)	4	13
28	26	50/51 (98%)	46 (92%)	4 (8%)	15	40
29	17	41/41 (100%)	37 (90%)	4 (10%)	10	28
29	27	41/41 (100%)	39 (95%)	2 (5%)	31	65
30	18	54/54 (100%)	48 (89%)	6 (11%)	8	23
30	28	54/54 (100%)	49 (91%)	5 (9%)	11	32
31	19	34/34 (100%)	32 (94%)	2 (6%)	24	57
31	29	34/34 (100%)	34 (100%)	0	100	100
33	1x	82/83 (99%)	77 (94%)	5 (6%)	23	55
33	2x	79/83 (95%)	69 (87%)	10 (13%)	5	16
34	1b	191/199 (96%)	162 (85%)	29 (15%)	3	10
34	2b	187/199 (94%)	164 (88%)	23 (12%)	6	18
35	1c	144/160 (90%)	141 (98%)	3 (2%)	61	90
35	2c	140/160 (88%)	126 (90%)	14 (10%)	9	27
36	1d	171/180 (95%)	155 (91%)	16 (9%)	11	31
36	2d	172/180 (96%)	157 (91%)	15 (9%)	13	35
37	1e	114/114 (100%)	104 (91%)	10 (9%)	12	35
37	2e	114/114 (100%)	105 (92%)	9 (8%)	15	40
38	1f	85/90 (94%)	81 (95%)	4 (5%)	32	67
38	2f	85/90 (94%)	79 (93%)	6 (7%)	18	46

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
39	1g	120/126 (95%)	113 (94%)	7 (6%)	25	57
39	2g	119/126 (94%)	112 (94%)	7 (6%)	24	57
40	1h	116/118 (98%)	108 (93%)	8 (7%)	19	48
40	2h	114/118 (97%)	108 (95%)	6 (5%)	28	61
41	1i	91/98 (93%)	83 (91%)	8 (9%)	12	35
41	2i	88/98 (90%)	80 (91%)	8 (9%)	12	33
42	1j	68/87 (78%)	62 (91%)	6 (9%)	12	35
42	2j	68/87 (78%)	64 (94%)	4 (6%)	24	57
43	1k	83/86 (96%)	80 (96%)	3 (4%)	42	76
43	2k	83/86 (96%)	74 (89%)	9 (11%)	8	23
44	1l	96/102 (94%)	92 (96%)	4 (4%)	36	71
44	2l	96/102 (94%)	89 (93%)	7 (7%)	17	44
45	1m	90/94 (96%)	81 (90%)	9 (10%)	9	27
45	2m	87/94 (93%)	77 (88%)	10 (12%)	7	21
46	1n	49/49 (100%)	43 (88%)	6 (12%)	6	18
46	2n	49/49 (100%)	46 (94%)	3 (6%)	23	55
47	1o	78/79 (99%)	72 (92%)	6 (8%)	16	41
47	2o	78/79 (99%)	73 (94%)	5 (6%)	22	52
48	1p	69/71 (97%)	60 (87%)	9 (13%)	5	15
48	2p	68/71 (96%)	57 (84%)	11 (16%)	3	8
49	1q	94/94 (100%)	91 (97%)	3 (3%)	46	80
49	2q	94/94 (100%)	87 (93%)	7 (7%)	17	43
50	1r	59/59 (100%)	54 (92%)	5 (8%)	13	36
50	2r	59/59 (100%)	55 (93%)	4 (7%)	20	49
51	1s	68/72 (94%)	60 (88%)	8 (12%)	6	19
51	2s	67/72 (93%)	62 (92%)	5 (8%)	17	43
52	1t	71/76 (93%)	65 (92%)	6 (8%)	13	36
52	2t	70/76 (92%)	62 (89%)	8 (11%)	7	21
53	1u	18/18 (100%)	16 (89%)	2 (11%)	8	23
53	2u	18/18 (100%)	18 (100%)	0	100	100
54	1y	14/15 (93%)	13 (93%)	1 (7%)	18	46

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
54	2y	14/15 (93%)	12 (86%)	2 (14%)	4 12
All	All	9552/9892 (97%)	8702 (91%)	850 (9%)	12 34

5 of 850 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
45	1m	80	ARG
4	2E	163	GLU
43	2k	109	VAL
47	1o	39	LEU
33	1x	3	MET

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 102 such sidechains are listed below:

Mol	Chain	Res	Type
44	1l	99	HIS
3	2D	253	GLN
42	2j	69	ASN
47	1o	28	GLN
51	1s	69	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2865/2915 (98%)	396 (13%)	51 (1%)
1	2A	2856/2915 (97%)	414 (14%)	49 (1%)
2	1B	119/120 (99%)	5 (4%)	0
2	2B	118/120 (98%)	5 (4%)	0
32	1a	1494/1521 (98%)	319 (21%)	0
32	2a	1498/1521 (98%)	305 (20%)	0
All	All	8950/9112 (98%)	1444 (16%)	100 (1%)

5 of 1444 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	34	C
1	1A	45	C
1	1A	60	G
1	1A	70	A

5 of 100 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2442	A
1	2A	266	G
1	2A	2335	A
1	1A	2451	A
1	1A	2769	U

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
1	PSU	1A	1933	1	15,21,22	2.11	3 (20%)	16,30,33	2.84	4 (25%)
1	5MU	1A	1937	1	13,22,23	1.46	2 (15%)	16,32,35	3.52	2 (12%)
1	PSU	1A	1939	1,55	15,21,22	2.06	5 (33%)	16,30,33	2.90	6 (37%)
1	OMC	1A	1942	1,55	15,22,23	1.96	5 (33%)	20,31,34	1.03	2 (10%)
1	5MU	1A	1961	1,55	13,22,23	1.40	3 (23%)	16,32,35	3.03	2 (12%)
1	5MC	1A	1964	1	14,22,23	0.84	0	17,32,35	0.79	0
1	5MC	1A	1984	1	14,22,23	1.46	2 (14%)	17,32,35	1.00	2 (11%)
1	OMG	1A	2263	1,55	18,26,27	2.27	7 (38%)	21,38,41	2.48	6 (28%)
1	2MA	1A	2515	1,55	17,25,26	2.27	7 (41%)	18,37,40	4.28	4 (22%)
1	OMU	1A	2564	1,55	14,22,23	7.47	7 (50%)	19,31,34	2.02	4 (21%)
1	PSU	1A	2617	1	15,21,22	3.30	6 (40%)	16,30,33	3.48	6 (37%)
32	2MG	1a	1207	55,32	18,26,27	2.85	5 (27%)	21,38,41	3.58	10 (47%)
32	5MC	1a	1400	32	14,22,23	1.02	1 (7%)	17,32,35	1.14	2 (11%)
32	4OC	1a	1402	32	15,23,24	1.98	6 (40%)	21,32,35	1.40	3 (14%)
32	5MC	1a	1404	32	14,22,23	1.37	2 (14%)	17,32,35	0.71	0
32	5MC	1a	1407	32	14,22,23	1.04	1 (7%)	17,32,35	1.11	2 (11%)
32	UR3	1a	1498	32	13,22,23	1.84	2 (15%)	18,32,35	0.78	0
32	MA6	1a	1518	32	18,26,27	0.97	1 (5%)	15,38,41	3.86	3 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	MA6	1a	1519	32	18,26,27	1.00	2 (11%)	15,38,41	3.29	3 (20%)
32	PSU	1a	516	32	15,21,22	1.79	4 (26%)	16,30,33	3.42	5 (31%)
32	G7M	1a	527	55,32	18,26,27	3.36	7 (38%)	21,39,42	1.84	5 (23%)
32	M2G	1a	966	32	18,27,28	2.80	6 (33%)	22,40,43	1.77	6 (27%)
32	5MC	1a	967	32	14,22,23	0.70	0	17,32,35	1.00	1 (5%)
44	0TD	1l	92	44	4,9,10	1.93	2 (50%)	4,11,13	4.85	2 (50%)
1	PSU	2A	1911	1	15,21,22	1.99	3 (20%)	16,30,33	2.89	3 (18%)
1	5MU	2A	1915	1	13,22,23	1.63	2 (15%)	16,32,35	3.86	3 (18%)
1	PSU	2A	1917	1	15,21,22	1.83	4 (26%)	16,30,33	2.86	6 (37%)
1	OMC	2A	1920	1	15,22,23	2.22	5 (33%)	20,31,34	1.73	1 (5%)
1	5MU	2A	1939	1,55	13,22,23	1.35	1 (7%)	16,32,35	3.35	2 (12%)
1	5MC	2A	1942	1	14,22,23	0.86	0	17,32,35	0.87	1 (5%)
1	5MC	2A	1962	1,55	14,22,23	1.37	3 (21%)	17,32,35	0.71	0
1	OMG	2A	2251	1,55	18,26,27	2.27	6 (33%)	21,38,41	2.66	5 (23%)
1	2MA	2A	2503	1,55	17,25,26	2.12	5 (29%)	18,37,40	3.78	1 (5%)
1	OMU	2A	2552	1,55	14,22,23	7.72	8 (57%)	19,31,34	1.38	1 (5%)
1	PSU	2A	2605	1	15,21,22	2.40	4 (26%)	16,30,33	2.88	5 (31%)
32	2MG	2a	1207	32	18,26,27	2.89	7 (38%)	21,38,41	2.87	8 (38%)
32	5MC	2a	1400	32	14,22,23	1.06	1 (7%)	17,32,35	0.96	1 (5%)
32	4OC	2a	1402	32	15,23,24	2.14	5 (33%)	21,32,35	2.52	4 (19%)
32	5MC	2a	1404	32	14,22,23	0.96	1 (7%)	17,32,35	0.96	1 (5%)
32	5MC	2a	1407	32	14,22,23	1.04	1 (7%)	17,32,35	1.00	1 (5%)
32	UR3	2a	1498	32	13,22,23	2.08	4 (30%)	18,32,35	0.81	1 (5%)
32	MA6	2a	1518	32	18,26,27	0.92	1 (5%)	15,38,41	3.42	3 (20%)
32	MA6	2a	1519	32	18,26,27	1.05	2 (11%)	15,38,41	3.53	3 (20%)
32	PSU	2a	516	32	15,21,22	2.56	6 (40%)	16,30,33	3.35	5 (31%)
32	G7M	2a	527	32	18,26,27	3.68	7 (38%)	21,39,42	2.24	7 (33%)
32	M2G	2a	966	32	18,27,28	3.04	6 (33%)	22,40,43	1.96	6 (27%)
32	5MC	2a	967	32	14,22,23	1.33	1 (7%)	17,32,35	0.98	2 (11%)
44	0TD	2l	92	44	4,9,10	1.89	2 (50%)	4,11,13	3.32	2 (50%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	0/3/25/26	0/2/2/2
1	PSU	1A	1939	1,55	-	0/7/25/26	0/2/2/2
1	OMC	1A	1942	1,55	-	0/5/27/28	0/2/2/2
1	5MU	1A	1961	1,55	-	0/3/25/26	0/2/2/2
1	5MC	1A	1964	1	-	0/3/25/26	0/2/2/2
1	5MC	1A	1984	1	-	0/3/25/26	0/2/2/2
1	OMG	1A	2263	1,55	-	0/5/27/28	0/3/3/3
1	2MA	1A	2515	1,55	-	0/3/25/26	0/3/3/3
1	OMU	1A	2564	1,55	-	0/5/27/28	0/2/2/2
1	PSU	1A	2617	1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	55,32	-	0/5/27/28	0/3/3/3
32	5MC	1a	1400	32	-	0/3/25/26	0/2/2/2
32	4OC	1a	1402	32	-	0/7/29/30	0/2/2/2
32	5MC	1a	1404	32	-	0/3/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/3/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/3/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	1a	1519	32	-	0/7/29/30	0/3/3/3
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
32	G7M	1a	527	55,32	-	0/3/25/26	0/3/3/3
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	1a	967	32	-	0/3/25/26	0/2/2/2
44	0TD	1l	92	44	-	0/2/12/14	0/0/0/0
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/3/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/5/27/28	0/2/2/2
1	5MU	2A	1939	1,55	-	0/3/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/3/25/26	0/2/2/2
1	5MC	2A	1962	1,55	-	0/3/25/26	0/2/2/2
1	OMG	2A	2251	1,55	-	0/5/27/28	0/3/3/3
1	2MA	2A	2503	1,55	-	0/3/25/26	0/3/3/3
1	OMU	2A	2552	1,55	-	0/5/27/28	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	2a	1400	32	-	0/3/25/26	0/2/2/2
32	4OC	2a	1402	32	-	0/7/29/30	0/2/2/2
32	5MC	2a	1404	32	-	0/3/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/3/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/3/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	2a	1519	32	-	0/7/29/30	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
32	G7M	2a	527	32	-	0/3/25/26	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	967	32	-	0/3/25/26	0/2/2/2
44	0TD	2l	92	44	-	0/2/12/14	0/0/0/0

The worst 5 of 171 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2564	OMU	C6-C5	-13.25	1.09	1.38
1	2A	2552	OMU	C6-C5	-12.55	1.10	1.38
1	2A	2552	OMU	C4-N3	-11.92	1.11	1.33
1	1A	2564	OMU	C4-N3	-11.79	1.11	1.33
1	1A	2617	PSU	C5-C1'	-10.27	1.43	1.52

The worst 5 of 152 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	1207	2MG	C1'-N9-C4	-11.40	114.09	126.81
32	1a	1518	MA6	N3-C2-N1	-10.56	120.57	128.87
1	2A	1915	5MU	C5-C4-N3	-10.44	116.58	125.35
32	2a	1519	MA6	N3-C2-N1	-10.42	120.68	128.87
32	1a	1519	MA6	N3-C2-N1	-9.97	121.04	128.87

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

11 monomers are involved in 13 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	1A	1939	PSU	1	0
1	1A	1942	OMC	1	0
1	1A	1961	5MU	1	0
1	1A	2515	2MA	1	0
1	2A	1915	5MU	1	0
1	2A	1917	PSU	1	0
1	2A	1920	OMC	1	0
1	2A	1942	5MC	1	0
1	2A	2251	OMG	1	0
1	2A	2503	2MA	2	0
1	2A	2552	OMU	2	0

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

Of 2435 ligands modelled in this entry, 1 is modelled with single atom and 2432 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	$\# Z > 2$
57	SF4	1d	501	36	0,12,12	0.00	-	0,24,24	0.00	-
57	SF4	2d	501	36	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
57	SF4	1d	501	36	-	0/0/48/48	0/6/5/5
57	SF4	2d	501	36	-	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

The following chains have linkage breaks:

Mol	Chain	Number of breaks
1	2A	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2A	2801(A):A	O3'	2802:G	P	3.56

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

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

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2861/2915 (98%)	0.14	151 (5%) 30 20	18, 37, 90, 99	0
1	2A	2856/2915 (97%)	0.08	155 (5%) 29 19	33, 58, 91, 100	0
2	1B	120/120 (100%)	-0.39	0 100 100	33, 56, 67, 89	0
2	2B	120/120 (100%)	-0.38	0 100 100	63, 76, 81, 86	0
3	1D	275/275 (100%)	-0.34	0 100 100	17, 38, 53, 70	0
3	2D	275/275 (100%)	-0.29	0 100 100	32, 52, 64, 74	0
4	1E	204/204 (100%)	-0.44	0 100 100	19, 41, 61, 70	0
4	2E	204/204 (100%)	-0.26	1 (0%) 91 88	34, 57, 70, 78	0
5	1F	203/203 (100%)	-0.31	2 (0%) 84 77	17, 44, 70, 86	0
5	2F	203/203 (100%)	-0.31	0 100 100	38, 64, 78, 84	0
6	1G	181/181 (100%)	-0.44	2 (1%) 82 74	52, 68, 78, 88	0
6	2G	181/181 (100%)	0.52	18 (9%) 9 4	74, 80, 86, 91	0
7	1H	174/174 (100%)	-0.50	1 (0%) 90 86	39, 55, 66, 70	0
7	2H	173/174 (99%)	0.73	26 (15%) 3 2	65, 79, 85, 87	0
8	1I	147/147 (100%)	-0.28	0 100 100	41, 70, 78, 81	0
8	2I	146/147 (99%)	0.20	4 (2%) 58 45	53, 74, 82, 87	0
9	1N	140/140 (100%)	-0.43	0 100 100	23, 39, 62, 75	0
9	2N	140/140 (100%)	-0.28	0 100 100	48, 63, 73, 82	0
10	1O	122/122 (100%)	-0.37	0 100 100	30, 43, 59, 64	0
10	2O	122/122 (100%)	-0.39	0 100 100	44, 55, 67, 73	0
11	1P	149/149 (100%)	-0.29	0 100 100	19, 46, 65, 78	0
11	2P	149/149 (100%)	0.20	3 (2%) 68 58	42, 66, 79, 82	0
12	1Q	141/141 (100%)	-0.23	0 100 100	28, 43, 56, 69	0
12	2Q	141/141 (100%)	-0.40	2 (1%) 78 69	47, 63, 74, 77	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.21	0 100 100	26, 38, 55, 63	0
13	2R	118/118 (100%)	-0.25	0 100 100	40, 54, 64, 70	0
14	1S	110/110 (100%)	-0.39	0 100 100	44, 55, 67, 71	0
14	2S	110/110 (100%)	0.19	3 (2%) 58 45	64, 72, 78, 82	0
15	1T	131/131 (100%)	-0.37	0 100 100	34, 47, 70, 79	0
15	2T	131/131 (100%)	-0.39	0 100 100	50, 60, 75, 83	0
16	1U	116/116 (100%)	-0.31	0 100 100	22, 32, 48, 64	0
16	2U	116/116 (100%)	-0.16	0 100 100	45, 60, 72, 81	0
17	1V	101/101 (100%)	-0.45	0 100 100	22, 41, 60, 71	0
17	2V	101/101 (100%)	-0.26	0 100 100	42, 68, 76, 83	0
18	1W	112/112 (100%)	-0.40	2 (1%) 71 61	22, 32, 54, 85	0
18	2W	112/112 (100%)	-0.33	0 100 100	39, 52, 66, 81	0
19	1X	95/95 (100%)	-0.35	0 100 100	28, 42, 64, 72	0
19	2X	95/95 (100%)	-0.09	1 (1%) 82 74	48, 62, 72, 76	0
20	1Y	107/107 (100%)	-0.38	1 (0%) 85 79	38, 51, 67, 75	0
20	2Y	107/107 (100%)	0.32	12 (11%) 7 3	53, 68, 79, 86	0
21	1Z	203/203 (100%)	-0.42	1 (0%) 91 88	45, 62, 74, 82	0
21	2Z	201/203 (99%)	0.08	3 (1%) 76 68	65, 75, 82, 87	0
22	10	77/77 (100%)	-0.32	0 100 100	29, 41, 58, 63	0
22	20	77/77 (100%)	0.15	2 (2%) 59 47	52, 63, 71, 75	0
23	11	97/97 (100%)	-0.13	1 (1%) 84 77	27, 45, 68, 77	0
23	21	97/97 (100%)	-0.16	1 (1%) 84 77	46, 59, 75, 79	0
24	12	70/70 (100%)	-0.31	0 100 100	40, 51, 63, 77	0
24	22	70/70 (100%)	-0.09	0 100 100	60, 69, 77, 79	0
25	13	59/59 (100%)	-0.36	0 100 100	28, 40, 62, 77	0
25	23	59/59 (100%)	0.31	2 (3%) 49 36	54, 63, 74, 79	0
26	14	69/69 (100%)	0.31	11 (15%) 3 1	64, 79, 87, 91	0
26	24	69/69 (100%)	1.29	21 (30%) 1 0	76, 85, 89, 94	0
27	15	59/59 (100%)	-0.34	0 100 100	18, 38, 57, 66	0
27	25	59/59 (100%)	-0.25	0 100 100	38, 55, 71, 75	0
28	16	53/53 (100%)	-0.47	0 100 100	38, 48, 60, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/53 (100%)	-0.24	0 100 100	56, 64, 71, 77	0
29	17	48/48 (100%)	-0.20	0 100 100	20, 27, 58, 68	0
29	27	48/48 (100%)	-0.14	0 100 100	34, 44, 67, 78	0
30	18	64/64 (100%)	-0.23	0 100 100	28, 35, 46, 59	0
30	28	64/64 (100%)	-0.00	0 100 100	46, 58, 65, 70	0
31	19	37/37 (100%)	-0.14	0 100 100	35, 46, 63, 70	0
31	29	37/37 (100%)	0.28	1 (2%) 58 45	63, 69, 75, 75	0
32	1a	1488/1521 (97%)	-0.03	57 (3%) 44 32	35, 72, 91, 100	0
32	2a	1492/1521 (98%)	-0.04	58 (3%) 43 31	44, 74, 91, 97	0
33	1x	97/97 (100%)	-0.10	1 (1%) 84 77	55, 67, 76, 80	0
33	2x	96/97 (98%)	1.73	40 (41%) 0 0	70, 78, 87, 89	0
34	1b	231/231 (100%)	0.13	18 (7%) 16 8	65, 77, 84, 90	0
34	2b	231/231 (100%)	0.21	14 (6%) 25 15	66, 79, 85, 89	0
35	1c	206/206 (100%)	0.22	12 (5%) 26 16	67, 78, 84, 90	0
35	2c	206/206 (100%)	0.49	13 (6%) 23 14	72, 81, 86, 90	0
36	1d	208/208 (100%)	-0.15	2 (0%) 84 77	59, 73, 80, 87	0
36	2d	208/208 (100%)	-0.17	2 (0%) 84 77	58, 71, 80, 84	0
37	1e	148/148 (100%)	-0.26	0 100 100	45, 68, 75, 89	0
37	2e	148/148 (100%)	-0.29	0 100 100	57, 70, 77, 82	0
38	1f	100/100 (100%)	-0.46	0 100 100	54, 72, 77, 80	0
38	2f	100/100 (100%)	-0.50	0 100 100	59, 68, 78, 80	0
39	1g	155/155 (100%)	-0.05	4 (2%) 59 47	66, 74, 82, 85	0
39	2g	155/155 (100%)	0.32	14 (9%) 12 6	69, 77, 82, 87	0
40	1h	137/137 (100%)	-0.06	1 (0%) 89 84	58, 68, 74, 82	0
40	2h	137/137 (100%)	-0.21	0 100 100	62, 69, 76, 80	0
41	1i	127/127 (100%)	0.56	7 (5%) 29 18	67, 80, 86, 89	0
41	2i	126/127 (99%)	1.13	31 (24%) 1 0	72, 81, 86, 89	0
42	1j	97/97 (100%)	1.12	21 (21%) 1 1	68, 81, 87, 90	0
42	2j	96/97 (98%)	1.03	19 (19%) 1 1	73, 82, 87, 89	0
43	1k	114/114 (100%)	-0.41	0 100 100	44, 64, 75, 81	0
43	2k	114/114 (100%)	-0.31	1 (0%) 85 79	54, 69, 80, 82	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1l	121/122 (99%)	-0.24	2 (1%) 73 63	51, 64, 72, 79	0
44	2l	121/122 (99%)	-0.19	1 (0%) 87 81	56, 66, 74, 77	0
45	1m	116/116 (100%)	0.32	7 (6%) 25 15	69, 77, 82, 83	0
45	2m	114/116 (98%)	0.47	11 (9%) 10 5	75, 81, 85, 88	0
46	1n	60/60 (100%)	0.31	5 (8%) 14 7	69, 77, 81, 83	0
46	2n	60/60 (100%)	0.81	9 (15%) 3 2	73, 81, 84, 88	0
47	1o	88/88 (100%)	-0.03	1 (1%) 82 74	52, 66, 76, 82	0
47	2o	88/88 (100%)	-0.18	1 (1%) 82 74	54, 69, 78, 81	0
48	1p	82/82 (100%)	0.13	2 (2%) 62 50	63, 74, 80, 87	0
48	2p	82/82 (100%)	0.11	2 (2%) 62 50	58, 69, 76, 84	0
49	1q	99/99 (100%)	-0.13	2 (2%) 68 58	54, 68, 77, 79	0
49	2q	99/99 (100%)	-0.28	0 100 100	57, 68, 76, 78	0
50	1r	68/68 (100%)	0.10	5 (7%) 17 9	57, 67, 75, 80	0
50	2r	68/68 (100%)	-0.09	2 (2%) 55 43	62, 69, 77, 79	0
51	1s	83/83 (100%)	0.87	15 (18%) 2 1	73, 79, 84, 85	0
51	2s	83/83 (100%)	1.70	32 (38%) 0 0	77, 83, 88, 90	0
52	1t	96/98 (97%)	0.14	3 (3%) 52 40	63, 72, 81, 83	0
52	2t	98/98 (100%)	0.08	0 100 100	59, 69, 78, 80	0
53	1u	23/23 (100%)	1.21	5 (21%) 1 1	72, 75, 78, 81	0
53	2u	23/23 (100%)	1.71	9 (39%) 0 0	76, 79, 82, 84	0
54	1y	16/16 (100%)	0.50	2 (12%) 5 2	36, 50, 60, 61	0
54	2y	16/16 (100%)	1.09	5 (31%) 1 0	53, 59, 69, 72	0
All	All	20798/20986 (99%)	0.00	863 (4%) 41 29	17, 64, 85, 100	0

The worst 5 of 863 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1133	G	17.1
1	1A	1135	G	15.3
1	1A	1137	G	13.8
1	1A	1118	C	12.6
1	1A	1136	U	11.3

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å ²)	Q<0.9
1	5MU	1A	1937	21/22	0.92	0.22	-	73,79,94,111	0
1	OMC	1A	1942	21/22	0.97	0.14	-	51,61,63,67	0
1	5MC	1A	1964	21/22	0.98	0.13	-	29,37,42,45	0
1	OMU	1A	2564	21/22	0.98	0.17	-	23,29,31,33	0
32	UR3	2a	1498	21/22	0.97	0.15	-	50,60,64,67	0
32	4OC	1a	1402	22/23	0.97	0.16	-	50,53,57,60	0
1	5MC	2A	1942	21/22	0.97	0.15	-	47,52,55,56	0
1	OMG	1A	2263	24/25	0.98	0.17	-	19,25,27,30	0
32	5MC	1a	1407	21/22	0.97	0.16	-	42,55,59,61	0
32	5MC	2a	1407	21/22	0.97	0.14	-	51,59,66,69	0
32	5MC	1a	967	21/22	0.95	0.14	-	62,67,74,77	0
1	5MU	2A	1915	21/22	0.95	0.18	-	76,82,87,102	0
1	2MA	2A	2503	23/24	0.97	0.22	-	33,38,41,42	0
32	5MC	1a	1400	21/22	0.98	0.14	-	57,61,66,67	0
32	M2G	2a	966	25/26	0.94	0.14	-	64,71,79,91	0
32	PSU	2a	516	20/21	0.94	0.16	-	70,80,85,85	0
1	5MU	1A	1961	21/22	0.98	0.16	-	24,28,32,32	0
1	PSU	2A	1917	20/21	0.94	0.13	-	67,76,84,95	0
1	PSU	1A	1939	20/21	0.91	0.22	-	60,73,87,88	0
1	OMU	2A	2552	21/22	0.99	0.15	-	32,43,45,45	0
1	5MU	2A	1939	21/22	0.98	0.15	-	36,39,45,46	0
32	UR3	1a	1498	21/22	0.97	0.17	-	48,53,58,64	0
32	MA6	2a	1518	24/25	0.97	0.17	-	54,63,68,69	0
1	2MA	1A	2515	23/24	0.98	0.21	-	16,20,24,24	0
32	2MG	1a	1207	24/25	0.95	0.11	-	71,78,82,84	0
44	0TD	2l	92	10/11	0.96	0.12	-	68,70,74,84	0
32	MA6	2a	1519	24/25	0.98	0.19	-	51,61,65,68	0
1	OMG	2A	2251	24/25	0.98	0.15	-	37,44,46,51	0
32	PSU	1a	516	20/21	0.94	0.15	-	62,72,77,77	0
32	2MG	2a	1207	24/25	0.92	0.20	-	76,85,87,93	0
1	PSU	1A	1933	20/21	0.97	0.14	-	62,68,71,72	0
1	PSU	2A	1911	20/21	0.95	0.11	-	68,72,78,81	0
1	OMC	2A	1920	21/22	0.96	0.15	-	59,65,69,74	0
32	4OC	2a	1402	22/23	0.96	0.16	-	54,61,66,70	0
1	5MC	2A	1962	21/22	0.97	0.14	-	38,46,53,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MA6	1a	1518	24/25	0.97	0.20	-	42,51,58,62	0
1	5MC	1A	1984	21/22	0.98	0.14	-	31,37,39,44	0
32	G7M	1a	527	24/25	0.97	0.15	-	50,60,66,69	0
32	MA6	1a	1519	24/25	0.98	0.18	-	46,53,58,61	0
1	PSU	2A	2605	20/21	0.97	0.17	-	34,38,44,44	0
32	5MC	2a	1400	21/22	0.97	0.18	-	61,70,74,75	0
32	M2G	1a	966	25/26	0.95	0.14	-	58,63,73,75	0
32	G7M	2a	527	24/25	0.95	0.16	-	64,71,75,80	0
32	5MC	2a	1404	21/22	0.95	0.16	-	51,55,61,66	0
1	PSU	1A	2617	20/21	0.98	0.20	-	23,27,33,34	0
32	5MC	2a	967	21/22	0.94	0.15	-	67,70,79,85	0
44	0TD	1l	92	10/11	0.97	0.13	-	64,65,70,78	0
32	5MC	1a	1404	21/22	0.98	0.15	-	45,50,54,55	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, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3621	1/1	0.82	0.75	153.89	64,64,64,64	0
55	MG	1A	3230	1/1	0.97	0.68	119.14	35,35,35,35	0
55	MG	2A	3154	1/1	0.84	0.76	107.38	53,53,53,53	0
55	MG	2A	3454	1/1	0.51	1.22	82.70	67,67,67,67	0
55	MG	1A	3242	1/1	0.96	0.67	80.69	46,46,46,46	0
55	MG	2A	3146	1/1	0.92	0.64	76.53	57,57,57,57	0
55	MG	2A	3643	1/1	0.84	0.52	74.26	56,56,56,56	0
55	MG	2A	3742	1/1	0.89	0.57	73.39	61,61,61,61	0
55	MG	1A	3944	1/1	0.89	0.76	70.88	47,47,47,47	0
55	MG	2A	3094	1/1	0.88	1.34	60.37	58,58,58,58	0
55	MG	2A	3825	1/1	0.86	1.50	59.71	60,60,60,60	0
55	MG	2D	304	1/1	0.73	0.90	56.82	58,58,58,58	0
55	MG	1A	3926	1/1	0.90	0.62	54.10	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1B	201	1/1	0.98	0.69	53.07	48,48,48,48	0
55	MG	2A	3018	1/1	0.94	0.78	51.99	48,48,48,48	0
55	MG	1F	304	1/1	0.93	0.66	51.91	41,41,41,41	0
55	MG	1A	3252	1/1	0.82	0.81	50.96	38,38,38,38	0
55	MG	1A	3087	1/1	0.90	0.48	50.22	34,34,34,34	0
55	MG	2A	3831	1/1	0.91	1.09	50.21	52,52,52,52	0
55	MG	1a	3182	1/1	0.93	0.62	49.84	76,76,76,76	0
55	MG	1A	3732	1/1	0.89	0.69	48.62	34,34,34,34	0
55	MG	2A	3176	1/1	0.98	0.60	48.17	43,43,43,43	0
55	MG	1A	3082	1/1	0.96	0.77	47.57	47,47,47,47	0
55	MG	2A	3024	1/1	0.93	0.73	46.76	60,60,60,60	0
55	MG	1A	3102	1/1	0.97	0.34	46.30	34,34,34,34	0
55	MG	1A	3210	1/1	0.96	0.53	44.08	42,42,42,42	0
55	MG	1A	3924	1/1	0.92	0.90	41.95	43,43,43,43	0
55	MG	2A	3822	1/1	0.90	0.79	41.81	65,65,65,65	0
55	MG	2A	3190	1/1	0.95	0.74	39.25	66,66,66,66	0
55	MG	2A	3823	1/1	0.92	0.76	39.14	53,53,53,53	0
55	MG	2A	3411	1/1	0.21	0.88	38.90	88,88,88,88	0
55	MG	2A	3826	1/1	0.96	1.05	38.73	56,56,56,56	0
55	MG	2A	3481	1/1	0.81	0.56	38.38	57,57,57,57	0
55	MG	1A	3159	1/1	0.88	0.84	38.11	40,40,40,40	0
55	MG	2A	3819	1/1	0.80	0.88	36.96	51,51,51,51	0
55	MG	2A	3812	1/1	0.91	0.52	36.60	68,68,68,68	0
55	MG	1A	3153	1/1	0.95	0.45	35.15	36,36,36,36	0
55	MG	1A	3724	1/1	0.77	0.42	34.60	40,40,40,40	0
55	MG	1A	3473	1/1	0.95	0.50	34.60	32,32,32,32	0
55	MG	1A	3184	1/1	0.95	0.72	34.59	38,38,38,38	0
55	MG	1A	3141	1/1	0.98	0.52	34.30	35,35,35,35	0
55	MG	2A	3832	1/1	0.90	0.88	33.93	55,55,55,55	0
55	MG	2A	3485	1/1	0.92	0.82	33.28	57,57,57,57	0
55	MG	2A	3482	1/1	0.97	0.65	33.24	56,56,56,56	0
55	MG	2A	3756	1/1	0.87	0.63	33.23	86,86,86,86	0
55	MG	1A	3937	1/1	0.90	1.54	32.98	52,52,52,52	0
55	MG	1A	3122	1/1	0.94	0.58	32.27	27,27,27,27	0
55	MG	1F	307	1/1	0.93	0.66	31.75	34,34,34,34	0
55	MG	1A	3761	1/1	0.94	0.62	30.67	43,43,43,43	0
55	MG	2A	3644	1/1	0.85	0.41	30.14	66,66,66,66	0
55	MG	1A	3896	1/1	0.95	0.48	30.03	38,38,38,38	0
55	MG	2A	3512	1/1	0.86	0.59	29.87	59,59,59,59	0
55	MG	2A	3033	1/1	0.87	0.59	29.63	66,66,66,66	0
55	MG	2A	3837	1/1	0.94	0.77	29.05	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2V	201	1/1	0.97	0.69	28.31	54,54,54,54	0
55	MG	1A	3514	1/1	0.71	0.43	27.77	38,38,38,38	0
55	MG	2F	307	1/1	0.92	0.81	27.04	58,58,58,58	0
55	MG	2D	306	1/1	0.93	1.17	26.56	64,64,64,64	0
55	MG	2A	3416	1/1	0.78	0.53	26.47	50,50,50,50	0
55	MG	2A	3537	1/1	0.87	0.74	26.12	65,65,65,65	0
55	MG	1A	3571	1/1	0.89	0.46	25.89	33,33,33,33	0
55	MG	1a	3023	1/1	0.97	0.45	25.73	53,53,53,53	0
55	MG	2A	3830	1/1	0.92	0.73	25.69	65,65,65,65	0
55	MG	2A	3555	1/1	0.56	0.68	25.63	70,70,70,70	0
55	MG	1A	3187	1/1	0.97	0.54	25.21	35,35,35,35	0
55	MG	1A	3579	1/1	0.88	0.50	25.09	41,41,41,41	0
55	MG	1D	303	1/1	0.80	0.64	25.08	48,48,48,48	0
55	MG	1A	3020	1/1	0.97	0.41	24.68	38,38,38,38	0
55	MG	1A	3174	1/1	0.78	0.66	24.49	60,60,60,60	0
55	MG	1A	3929	1/1	0.87	0.65	24.42	40,40,40,40	0
55	MG	1A	3103	1/1	0.93	0.53	23.62	41,41,41,41	0
55	MG	2A	3820	1/1	0.96	0.55	23.17	51,51,51,51	0
55	MG	1F	302	1/1	0.84	0.45	23.01	37,37,37,37	0
55	MG	1A	3019	1/1	0.93	0.45	22.99	43,43,43,43	0
55	MG	1A	3197	1/1	0.96	0.41	22.95	31,31,31,31	0
55	MG	2A	3017	1/1	0.94	0.38	22.60	65,65,65,65	0
55	MG	1A	3112	1/1	0.69	0.36	22.57	50,50,50,50	0
55	MG	1A	3919	1/1	0.83	0.46	22.52	33,33,33,33	0
55	MG	2A	3023	1/1	0.96	0.53	22.40	47,47,47,47	0
55	MG	2A	3828	1/1	0.96	0.69	22.02	65,65,65,65	0
55	MG	1A	3462	1/1	0.96	0.58	21.81	33,33,33,33	0
55	MG	1a	3052	1/1	0.89	0.29	21.63	59,59,59,59	0
55	MG	2A	3203	1/1	0.84	1.28	21.61	58,58,58,58	0
55	MG	1A	3625	1/1	0.97	0.46	21.58	44,44,44,44	0
55	MG	1A	3910	1/1	0.97	0.39	21.05	36,36,36,36	0
55	MG	1a	3144	1/1	0.79	0.39	21.02	74,74,74,74	0
55	MG	2A	3565	1/1	0.95	0.50	20.80	70,70,70,70	0
55	MG	1a	3136	1/1	0.77	0.52	20.66	82,82,82,82	0
55	MG	18	3302	1/1	0.85	0.59	20.58	43,43,43,43	0
55	MG	1A	3595	1/1	0.93	0.43	20.28	35,35,35,35	0
55	MG	2A	3111	1/1	0.94	0.57	20.26	57,57,57,57	0
55	MG	2A	3188	1/1	0.78	0.42	20.12	57,57,57,57	0
55	MG	2a	1752	1/1	0.83	0.48	19.87	69,69,69,69	0
55	MG	1A	3942	1/1	0.92	0.33	19.85	32,32,32,32	0
55	MG	1a	3057	1/1	0.79	0.45	19.74	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3053	1/1	0.92	0.38	19.66	32,32,32,32	0
55	MG	2A	3159	1/1	0.86	0.43	19.52	53,53,53,53	0
55	MG	2A	3138	1/1	0.74	0.45	19.51	53,53,53,53	0
55	MG	1A	3636	1/1	0.86	0.41	19.37	27,27,27,27	0
55	MG	2A	3827	1/1	0.93	0.65	19.21	58,58,58,58	0
55	MG	2A	3720	1/1	0.91	0.35	18.91	58,58,58,58	0
55	MG	1a	3116	1/1	0.94	0.53	18.65	80,80,80,80	0
55	MG	1A	3121	1/1	0.97	0.43	18.64	31,31,31,31	0
55	MG	1A	3939	1/1	0.96	0.62	18.14	39,39,39,39	0
55	MG	1A	3144	1/1	0.92	0.25	18.04	33,33,33,33	0
55	MG	1A	3192	1/1	0.92	0.31	17.91	51,51,51,51	0
55	MG	2A	3110	1/1	0.85	0.60	17.48	58,58,58,58	0
55	MG	2A	3092	1/1	0.93	0.53	17.44	49,49,49,49	0
55	MG	2A	3818	1/1	0.92	0.47	17.42	69,69,69,69	0
55	MG	1D	313	1/1	0.63	0.25	17.27	54,54,54,54	0
55	MG	2D	307	1/1	0.94	0.41	17.21	60,60,60,60	0
55	MG	1A	3257	1/1	0.83	0.54	17.20	44,44,44,44	0
55	MG	15	201	1/1	0.95	0.59	17.13	46,46,46,46	0
55	MG	2a	1622	1/1	0.94	0.38	16.91	61,61,61,61	0
55	MG	1A	3169	1/1	0.79	0.38	16.77	37,37,37,37	0
55	MG	1F	303	1/1	0.95	0.27	16.56	44,44,44,44	0
55	MG	1A	3867	1/1	0.96	0.37	16.40	45,45,45,45	0
55	MG	2A	3227	1/1	0.94	0.28	16.29	50,50,50,50	0
55	MG	1F	310	1/1	0.91	0.40	16.25	43,43,43,43	0
55	MG	2A	3204	1/1	0.97	0.69	15.93	58,58,58,58	0
55	MG	2A	3220	1/1	0.97	0.30	15.84	49,49,49,49	0
55	MG	1a	3071	1/1	0.84	0.27	15.74	56,56,56,56	0
55	MG	1A	3106	1/1	0.98	0.33	15.51	34,34,34,34	0
55	MG	1A	3232	1/1	0.93	0.31	15.49	68,68,68,68	0
55	MG	1A	3737	1/1	0.87	0.37	15.39	38,38,38,38	0
55	MG	1A	3179	1/1	0.78	0.35	15.29	44,44,44,44	0
55	MG	2A	3406	1/1	0.94	0.51	15.05	81,81,81,81	0
55	MG	2a	1614	1/1	0.91	0.42	14.96	61,61,61,61	0
55	MG	1A	3904	1/1	0.74	0.60	14.93	53,53,53,53	0
55	MG	2B	3006	1/1	0.95	0.42	14.89	80,80,80,80	0
55	MG	2A	3590	1/1	0.90	0.36	14.56	63,63,63,63	0
55	MG	2A	3096	1/1	0.95	0.33	14.50	48,48,48,48	0
55	MG	2A	3732	1/1	0.88	0.57	14.44	60,60,60,60	0
55	MG	1a	3020	1/1	0.86	0.33	13.97	71,71,71,71	0
55	MG	1E	301	1/1	0.95	0.34	13.61	40,40,40,40	0
55	MG	1a	3046	1/1	0.87	0.30	13.54	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3227	1/1	0.93	0.33	13.47	27,27,27,27	0
55	MG	1A	3920	1/1	0.78	0.43	13.19	45,45,45,45	0
55	MG	1A	3642	1/1	0.73	0.34	13.19	28,28,28,28	0
55	MG	1A	3543	1/1	0.93	0.31	13.14	39,39,39,39	0
55	MG	2A	3529	1/1	0.92	0.38	13.08	48,48,48,48	0
55	MG	1D	307	1/1	0.92	0.36	12.65	22,22,22,22	0
55	MG	2A	3676	1/1	0.95	0.37	12.63	76,76,76,76	0
55	MG	1D	301	1/1	0.85	0.43	12.59	54,54,54,54	0
55	MG	1a	3065	1/1	0.89	0.50	12.55	67,67,67,67	0
55	MG	1A	3126	1/1	0.96	0.24	12.51	23,23,23,23	0
55	MG	1A	3271	1/1	0.95	0.33	12.36	21,21,21,21	0
55	MG	1A	3917	1/1	0.95	0.41	12.34	38,38,38,38	0
55	MG	1A	3470	1/1	0.93	0.24	12.32	52,52,52,52	0
55	MG	2A	3086	1/1	0.93	0.41	12.09	60,60,60,60	0
55	MG	1a	3021	1/1	0.93	0.29	12.04	68,68,68,68	0
55	MG	1a	3088	1/1	0.96	0.36	12.03	61,61,61,61	0
55	MG	1A	3283	1/1	0.97	0.23	12.01	40,40,40,40	0
55	MG	2A	3241	1/1	0.96	0.32	11.73	44,44,44,44	0
55	MG	1A	3200	1/1	0.94	0.32	11.70	37,37,37,37	0
55	MG	2A	3199	1/1	0.94	0.63	11.54	54,54,54,54	0
55	MG	28	101	1/1	0.76	0.63	11.24	67,67,67,67	0
55	MG	2A	3083	1/1	0.90	0.29	11.18	60,60,60,60	0
55	MG	2A	3097	1/1	0.91	0.22	11.03	39,39,39,39	0
55	MG	2A	3037	1/1	0.87	0.44	11.00	48,48,48,48	0
55	MG	1A	3250	1/1	0.92	0.41	10.89	43,43,43,43	0
55	MG	1A	3507	1/1	0.90	0.30	10.80	32,32,32,32	0
55	MG	2A	3100	1/1	0.95	0.33	10.62	61,61,61,61	0
55	MG	2a	1625	1/1	0.96	0.28	10.42	49,49,49,49	0
55	MG	2F	306	1/1	0.95	0.39	10.27	47,47,47,47	0
55	MG	2A	3649	1/1	0.90	0.38	10.23	52,52,52,52	0
55	MG	27	101	1/1	0.84	0.31	10.15	57,57,57,57	0
55	MG	1A	3137	1/1	0.98	0.22	10.14	43,43,43,43	0
55	MG	1A	3725	1/1	0.78	0.25	10.11	33,33,33,33	0
55	MG	1A	3902	1/1	0.90	0.32	10.09	25,25,25,25	0
55	MG	1A	3069	1/1	0.95	0.32	10.08	34,34,34,34	0
55	MG	1a	3017	1/1	0.91	0.40	10.05	75,75,75,75	0
55	MG	1A	3895	1/1	0.86	0.38	10.02	45,45,45,45	0
55	MG	1A	3025	1/1	0.95	0.31	9.94	32,32,32,32	0
55	MG	1A	3028	1/1	0.97	0.30	9.92	37,37,37,37	0
55	MG	1a	3024	1/1	0.92	0.30	9.92	61,61,61,61	0
55	MG	2A	3630	1/1	0.95	0.38	9.81	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3103	1/1	0.64	0.25	9.75	64,64,64,64	0
55	MG	2A	3824	1/1	0.91	0.40	9.73	55,55,55,55	0
55	MG	1A	3276	1/1	0.91	0.22	9.52	35,35,35,35	0
55	MG	1A	3176	1/1	0.88	0.30	9.44	45,45,45,45	0
55	MG	1A	3140	1/1	0.94	0.36	9.40	38,38,38,38	0
55	MG	1A	3480	1/1	0.92	0.26	9.13	47,47,47,47	0
55	MG	1A	3042	1/1	0.93	0.22	9.07	32,32,32,32	0
55	MG	25	102	1/1	0.93	0.32	9.06	63,63,63,63	0
55	MG	2A	3568	1/1	0.88	0.32	8.90	46,46,46,46	0
55	MG	1A	3207	1/1	0.83	0.28	8.90	35,35,35,35	0
55	MG	2A	3835	1/1	0.85	1.00	8.89	65,65,65,65	0
55	MG	2A	3095	1/1	0.90	0.22	8.87	58,58,58,58	0
55	MG	2A	3067	1/1	0.95	0.41	8.79	61,61,61,61	0
55	MG	1A	3154	1/1	0.98	0.40	8.61	31,31,31,31	0
55	MG	1N	8001	1/1	0.92	0.26	8.52	49,49,49,49	0
55	MG	25	101	1/1	0.89	0.31	8.51	58,58,58,58	0
55	MG	1A	3256	1/1	0.94	0.33	8.35	47,47,47,47	0
55	MG	2A	3838	1/1	0.84	0.38	8.35	54,54,54,54	0
55	MG	2a	1795	1/1	0.97	0.34	8.33	80,80,80,80	0
55	MG	2A	3215	1/1	0.95	0.30	8.27	42,42,42,42	0
55	MG	1A	3863	1/1	0.91	0.27	8.26	68,68,68,68	0
55	MG	1A	3078	1/1	0.89	0.29	8.03	50,50,50,50	0
55	MG	2A	3076	1/1	0.81	0.33	7.95	50,50,50,50	0
55	MG	2A	3836	1/1	0.94	0.55	7.94	61,61,61,61	0
55	MG	15	203	1/1	0.92	0.32	7.94	45,45,45,45	0
55	MG	2A	3566	1/1	0.97	0.36	7.93	55,55,55,55	0
55	MG	1A	3640	1/1	0.95	0.44	7.91	37,37,37,37	0
55	MG	1A	3118	1/1	0.83	0.31	7.91	39,39,39,39	0
55	MG	1A	3251	1/1	0.94	0.31	7.82	34,34,34,34	0
55	MG	2A	3821	1/1	0.82	0.31	7.81	54,54,54,54	0
55	MG	2a	1647	1/1	0.89	0.23	7.55	60,60,60,60	0
55	MG	1U	202	1/1	0.91	0.34	7.54	34,34,34,34	0
55	MG	2A	3150	1/1	0.74	0.24	7.52	50,50,50,50	0
55	MG	1A	3311	1/1	0.75	0.28	7.38	52,52,52,52	0
55	MG	2F	304	1/1	0.97	0.34	7.37	62,62,62,62	0
55	MG	2D	302	1/1	0.65	0.34	7.34	67,67,67,67	0
55	MG	1A	3639	1/1	0.92	0.28	7.34	30,30,30,30	0
55	MG	1a	3226	1/1	0.83	0.39	7.29	74,74,74,74	0
55	MG	2A	3054	1/1	0.85	0.34	7.21	54,54,54,54	0
55	MG	2a	1664	1/1	0.97	0.33	7.07	68,68,68,68	0
55	MG	1A	3198	1/1	0.88	0.26	7.04	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3934	1/1	0.90	0.29	7.00	30,30,30,30	0
55	MG	1a	3137	1/1	0.96	0.28	6.92	63,63,63,63	0
55	MG	1A	3297	1/1	0.94	0.24	6.90	26,26,26,26	0
55	MG	2A	3343	1/1	0.81	0.28	6.87	79,79,79,79	0
55	MG	1A	3936	1/1	0.96	0.27	6.77	55,55,55,55	0
55	MG	1a	3098	1/1	0.98	0.23	6.71	59,59,59,59	0
55	MG	1D	305	1/1	0.97	0.36	6.69	42,42,42,42	0
55	MG	1a	3036	1/1	0.85	0.19	6.62	50,50,50,50	0
55	MG	1A	3931	1/1	0.91	0.33	6.59	35,35,35,35	0
55	MG	1A	3109	1/1	0.95	0.25	6.52	41,41,41,41	0
55	MG	1a	3211	1/1	0.96	0.27	6.49	65,65,65,65	0
55	MG	2A	3163	1/1	0.94	0.25	6.40	60,60,60,60	0
55	MG	1F	309	1/1	0.70	0.25	6.39	59,59,59,59	0
55	MG	1A	3943	1/1	0.96	0.30	6.28	37,37,37,37	0
55	MG	1A	3932	1/1	0.85	0.34	6.11	31,31,31,31	0
55	MG	1A	3201	1/1	0.68	0.29	6.07	61,61,61,61	0
55	MG	13	101	1/1	0.98	0.32	6.02	42,42,42,42	0
55	MG	2A	3570	1/1	0.95	0.30	6.02	54,54,54,54	0
55	MG	2A	3306	1/1	0.96	0.31	5.81	62,62,62,62	0
55	MG	1a	3208	1/1	0.85	0.28	5.79	70,70,70,70	0
55	MG	2H	201	1/1	0.90	0.74	5.74	95,95,95,95	0
55	MG	2A	3829	1/1	0.76	0.39	5.56	60,60,60,60	0
55	MG	2a	1640	1/1	0.95	0.50	5.55	50,50,50,50	0
55	MG	2A	3005	1/1	0.90	0.19	5.52	47,47,47,47	0
55	MG	2a	1771	1/1	0.78	0.39	5.48	83,83,83,83	0
55	MG	2n	502	1/1	0.62	0.48	5.46	77,77,77,77	0
55	MG	2A	3218	1/1	0.97	0.33	5.46	23,23,23,23	0
55	MG	2F	308	1/1	0.98	0.36	5.45	57,57,57,57	0
55	MG	1A	3085	1/1	0.99	0.24	5.36	38,38,38,38	0
55	MG	1A	3808	1/1	0.96	0.22	5.35	19,19,19,19	0
55	MG	1A	3638	1/1	0.87	0.24	5.34	35,35,35,35	0
55	MG	1A	3645	1/1	0.94	0.23	5.29	35,35,35,35	0
55	MG	1A	3313	1/1	0.96	0.20	5.16	39,39,39,39	0
55	MG	2a	1629	1/1	0.94	0.20	5.16	61,61,61,61	0
55	MG	2A	3119	1/1	0.92	0.21	5.09	47,47,47,47	0
55	MG	1A	3551	1/1	0.85	0.26	5.09	36,36,36,36	0
55	MG	2A	3202	1/1	0.91	0.25	5.08	59,59,59,59	0
55	MG	2A	3505	1/1	0.89	0.25	5.07	44,44,44,44	0
55	MG	1a	3221	1/1	0.96	0.42	5.06	79,79,79,79	0
55	MG	2F	301	1/1	0.83	0.28	5.05	52,52,52,52	0
55	MG	1a	3016	1/1	0.94	0.24	5.01	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3710	1/1	0.99	0.23	4.93	35,35,35,35	0
55	MG	1A	3059	1/1	0.96	0.20	4.92	58,58,58,58	0
55	MG	2F	302	1/1	0.93	0.26	4.88	58,58,58,58	0
55	MG	1a	3050	1/1	0.86	0.24	4.86	54,54,54,54	0
55	MG	1k	201	1/1	0.98	0.23	4.79	50,50,50,50	0
55	MG	1A	3665	1/1	0.76	0.21	4.71	49,49,49,49	0
55	MG	1A	3274	1/1	0.95	0.28	4.66	8,8,8,8	0
55	MG	2A	3489	1/1	0.93	0.25	4.64	38,38,38,38	0
55	MG	1A	3205	1/1	0.90	0.19	4.62	34,34,34,34	0
55	MG	2a	1667	1/1	0.87	0.23	4.61	75,75,75,75	0
55	MG	1A	3362	1/1	0.95	0.28	4.60	42,42,42,42	0
55	MG	1A	3241	1/1	0.92	0.28	4.51	32,32,32,32	0
55	MG	1A	3259	1/1	0.85	0.25	4.29	36,36,36,36	0
55	MG	1a	3107	1/1	0.93	0.21	4.28	67,67,67,67	0
55	MG	1A	3066	1/1	0.97	0.28	4.23	39,39,39,39	0
55	MG	1a	3148	1/1	0.90	0.23	4.20	88,88,88,88	0
55	MG	1A	3071	1/1	0.94	0.21	4.20	32,32,32,32	0
55	MG	2A	3504	1/1	0.96	0.24	4.06	58,58,58,58	0
55	MG	2A	3655	1/1	0.82	0.24	4.06	60,60,60,60	0
55	MG	1R	202	1/1	0.92	0.30	4.02	51,51,51,51	0
55	MG	2A	3019	1/1	0.82	0.19	3.92	43,43,43,43	0
55	MG	2A	3809	1/1	0.93	0.28	3.92	45,45,45,45	0
55	MG	2A	3122	1/1	0.97	0.27	3.87	46,46,46,46	0
55	MG	2A	3806	1/1	0.97	0.25	3.83	47,47,47,47	0
55	MG	2A	3275	1/1	0.98	0.24	3.82	35,35,35,35	0
55	MG	1a	3054	1/1	0.87	0.18	3.71	79,79,79,79	0
55	MG	2A	3156	1/1	0.96	0.27	3.71	58,58,58,58	0
55	MG	2a	1686	1/1	0.90	0.20	3.68	61,61,61,61	0
55	MG	2A	3099	1/1	0.94	0.22	3.63	52,52,52,52	0
55	MG	2a	1719	1/1	0.63	0.22	3.63	75,75,75,75	0
55	MG	1B	209	1/1	0.95	0.22	3.62	59,59,59,59	0
55	MG	2D	310	1/1	0.92	0.26	3.62	61,61,61,61	0
55	MG	1A	3040	1/1	0.97	0.18	3.62	40,40,40,40	0
55	MG	1a	3219	1/1	0.94	0.22	3.61	68,68,68,68	0
55	MG	2A	3777	1/1	0.79	0.21	3.59	83,83,83,83	0
55	MG	1B	224	1/1	0.79	0.18	3.54	55,55,55,55	0
55	MG	1A	3397	1/1	0.98	0.26	3.53	17,17,17,17	0
55	MG	15	202	1/1	0.89	0.26	3.52	39,39,39,39	0
55	MG	1A	3249	1/1	0.96	0.23	3.42	10,10,10,10	0
55	MG	2A	3189	1/1	0.89	0.32	3.42	53,53,53,53	0
55	MG	2a	1720	1/1	0.94	0.17	3.30	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3307	1/1	0.97	0.16	3.30	63,63,63,63	0
55	MG	1a	3004	1/1	0.86	0.19	3.22	67,67,67,67	0
55	MG	2A	3079	1/1	0.96	0.30	3.22	60,60,60,60	0
55	MG	2a	1694	1/1	0.92	0.23	3.22	77,77,77,77	0
55	MG	2A	3363	1/1	0.93	0.24	3.22	43,43,43,43	0
55	MG	1a	3075	1/1	0.96	0.23	3.20	57,57,57,57	0
55	MG	1A	3941	1/1	0.93	0.20	3.20	54,54,54,54	0
55	MG	2A	3470	1/1	0.90	0.17	3.20	75,75,75,75	0
55	MG	2f	8001	1/1	0.93	0.16	3.20	56,56,56,56	0
55	MG	2a	1604	1/1	0.72	0.17	3.19	61,61,61,61	0
55	MG	1a	3224	1/1	0.93	0.25	3.13	60,60,60,60	0
55	MG	1A	3927	1/1	0.95	0.29	3.11	34,34,34,34	0
55	MG	2X	101	1/1	0.96	0.27	3.11	77,77,77,77	0
55	MG	1A	3938	1/1	0.92	0.24	3.11	35,35,35,35	0
55	MG	1A	3908	1/1	0.96	0.26	3.11	40,40,40,40	0
55	MG	2D	308	1/1	0.98	0.24	3.06	28,28,28,28	0
55	MG	1a	3012	1/1	0.95	0.20	2.97	28,28,28,28	0
55	MG	2A	3585	1/1	0.84	0.19	2.96	75,75,75,75	0
55	MG	1D	306	1/1	0.87	0.22	2.93	45,45,45,45	0
55	MG	2A	3834	1/1	0.73	0.28	2.92	68,68,68,68	0
55	MG	2a	1609	1/1	0.91	0.19	2.89	46,46,46,46	0
55	MG	1E	304	1/1	0.89	0.24	2.86	35,35,35,35	0
55	MG	2A	3056	1/1	0.93	0.21	2.86	47,47,47,47	0
55	MG	2A	3527	1/1	0.96	0.19	2.79	37,37,37,37	0
55	MG	1A	3918	1/1	0.96	0.22	2.78	28,28,28,28	0
55	MG	2A	3257	1/1	0.94	0.21	2.63	49,49,49,49	0
55	MG	2A	3007	1/1	0.95	0.24	2.63	61,61,61,61	0
55	MG	1A	3922	1/1	0.89	0.22	2.60	39,39,39,39	0
55	MG	1A	3146	1/1	0.91	0.19	2.57	39,39,39,39	0
55	MG	1A	3928	1/1	0.93	0.21	2.56	32,32,32,32	0
55	MG	2A	3201	1/1	0.89	0.26	2.55	50,50,50,50	0
55	MG	1a	3042	1/1	0.94	0.20	2.50	63,63,63,63	0
55	MG	1A	3034	1/1	0.84	0.19	2.49	60,60,60,60	0
55	MG	2A	3178	1/1	0.64	0.21	2.45	73,73,73,73	0
55	MG	1A	3123	1/1	0.79	0.18	2.40	61,61,61,61	0
55	MG	2A	3465	1/1	0.99	0.18	2.34	34,34,34,34	0
55	MG	1A	3347	1/1	0.94	0.22	2.27	28,28,28,28	0
55	MG	1A	3031	1/1	0.90	0.21	2.26	27,27,27,27	0
55	MG	1A	3729	1/1	0.79	0.17	2.23	68,68,68,68	0
55	MG	2A	3001	1/1	0.91	0.17	2.22	50,50,50,50	0
55	MG	2A	3526	1/1	0.91	0.18	2.20	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1a	3044	1/1	0.92	0.17	2.15	62,62,62,62	0
55	MG	1A	3416	1/1	0.97	0.20	2.15	31,31,31,31	0
55	MG	2b	3001	1/1	0.91	0.18	2.11	79,79,79,79	0
55	MG	1A	3370	1/1	0.97	0.21	2.04	26,26,26,26	0
55	MG	2A	3800	1/1	0.99	0.26	2.04	27,27,27,27	0
55	MG	1P	201	1/1	0.94	0.24	2.03	30,30,30,30	0
55	MG	2d	503	1/1	0.66	0.25	2.03	72,72,72,72	0
55	MG	1A	3838	1/1	0.89	0.22	2.01	46,46,46,46	0
55	MG	2A	3222	1/1	0.98	0.16	1.99	56,56,56,56	0
55	MG	2A	3034	1/1	0.93	0.17	1.94	58,58,58,58	0
55	MG	1A	3255	1/1	0.87	0.23	1.94	41,41,41,41	0
55	MG	1a	3223	1/1	0.86	0.20	1.92	65,65,65,65	0
55	MG	1A	3125	1/1	0.96	0.17	1.89	30,30,30,30	0
55	MG	2A	3567	1/1	0.89	0.20	1.89	72,72,72,72	0
55	MG	10	102	1/1	0.91	0.24	1.87	69,69,69,69	0
55	MG	1A	3857	1/1	0.83	0.16	1.87	67,67,67,67	0
55	MG	2a	1630	1/1	0.89	0.16	1.84	83,83,83,83	0
55	MG	1B	206	1/1	0.54	0.16	1.84	66,66,66,66	0
55	MG	2X	102	1/1	0.77	0.44	1.82	82,82,82,82	0
55	MG	1A	3607	1/1	0.86	0.19	1.81	67,67,67,67	0
55	MG	2A	3721	1/1	0.86	0.23	1.75	50,50,50,50	0
55	MG	2a	1653	1/1	0.90	0.45	1.75	76,76,76,76	0
55	MG	2A	3342	1/1	0.93	0.18	1.70	49,49,49,49	0
55	MG	1A	3940	1/1	0.88	0.23	1.68	40,40,40,40	0
55	MG	2a	1612	1/1	0.87	0.18	1.67	54,54,54,54	0
55	MG	2A	3198	1/1	0.94	0.22	1.67	19,19,19,19	0
55	MG	1A	3527	1/1	0.91	0.21	1.65	56,56,56,56	0
55	MG	1A	3686	1/1	0.96	0.29	1.63	55,55,55,55	0
55	MG	1a	3104	1/1	0.98	0.23	1.61	80,80,80,80	0
55	MG	1A	3549	1/1	0.91	0.24	1.59	52,52,52,52	0
55	MG	1A	3365	1/1	0.97	0.22	1.55	30,30,30,30	0
55	MG	1D	312	1/1	0.84	0.28	1.49	65,65,65,65	0
55	MG	2d	504	1/1	0.58	0.24	1.44	93,93,93,93	0
55	MG	1A	3444	1/1	0.81	0.20	1.43	57,57,57,57	0
55	MG	1A	3678	1/1	0.92	0.23	1.37	40,40,40,40	0
55	MG	2A	3757	1/1	0.88	0.25	1.35	64,64,64,64	0
55	MG	2A	3419	1/1	0.92	0.17	1.34	58,58,58,58	0
55	MG	1a	3008	1/1	0.95	0.19	1.33	76,76,76,76	0
55	MG	2A	3123	1/1	0.98	0.21	1.32	52,52,52,52	0
55	MG	1A	3337	1/1	0.97	0.18	1.29	18,18,18,18	0
55	MG	2A	3078	1/1	0.87	0.22	1.28	50,50,50,50	0
55	MG	2a	1792	1/1	0.87	0.20	1.23	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3115	1/1	0.92	0.14	1.21	69,69,69,69	0
55	MG	1A	3409	1/1	0.90	0.16	1.16	48,48,48,48	0
55	MG	1A	3465	1/1	0.89	0.17	1.16	28,28,28,28	0
55	MG	1a	3014	1/1	0.95	0.16	1.14	67,67,67,67	0
55	MG	1A	3538	1/1	0.98	0.18	1.11	22,22,22,22	0
55	MG	2A	3638	1/1	0.83	0.19	1.00	85,85,85,85	0
55	MG	2A	3608	1/1	0.84	0.15	0.99	63,63,63,63	0
55	MG	2A	3366	1/1	0.97	0.20	0.98	35,35,35,35	0
55	MG	2V	202	1/1	0.80	0.17	0.96	70,70,70,70	0
55	MG	2A	3089	1/1	0.93	0.14	0.90	58,58,58,58	0
55	MG	1a	3199	1/1	0.87	0.14	0.84	71,71,71,71	0
55	MG	2A	3833	1/1	0.94	0.19	0.79	57,57,57,57	0
55	MG	1D	309	1/1	0.95	0.23	0.76	31,31,31,31	0
55	MG	1A	3930	1/1	0.93	0.22	0.76	25,25,25,25	0
55	MG	1A	3129	1/1	0.98	0.24	0.75	33,33,33,33	0
55	MG	1A	3044	1/1	0.87	0.22	0.75	26,26,26,26	0
55	MG	2A	3356	1/1	0.94	0.20	0.71	51,51,51,51	0
55	MG	2A	3250	1/1	0.81	0.14	0.69	68,68,68,68	0
55	MG	1a	3210	1/1	0.67	0.15	0.66	76,76,76,76	0
55	MG	2a	1781	1/1	0.95	0.16	0.66	51,51,51,51	0
55	MG	2B	3011	1/1	0.72	0.15	0.64	88,88,88,88	0
55	MG	2A	3405	1/1	0.91	0.24	0.64	60,60,60,60	0
55	MG	1A	3423	1/1	0.97	0.18	0.62	23,23,23,23	0
55	MG	2F	305	1/1	0.80	0.18	0.57	51,51,51,51	0
55	MG	1A	3332	1/1	0.98	0.18	0.55	23,23,23,23	0
55	MG	1A	3707	1/1	0.93	0.18	0.53	55,55,55,55	0
55	MG	2A	3431	1/1	0.84	0.15	0.52	74,74,74,74	0
55	MG	1A	3651	1/1	0.95	0.14	0.52	34,34,34,34	0
55	MG	1A	3897	1/1	0.97	0.21	0.51	11,11,11,11	0
55	MG	2a	1690	1/1	0.93	0.21	0.50	83,83,83,83	0
55	MG	2A	3579	1/1	0.84	0.17	0.46	61,61,61,61	0
55	MG	2A	3035	1/1	0.82	0.15	0.41	53,53,53,53	0
55	MG	1A	3512	1/1	0.94	0.15	0.39	37,37,37,37	0
55	MG	1a	3076	1/1	0.92	0.22	0.35	69,69,69,69	0
56	ZN	1Y	501	1/1	0.95	0.12	0.33	61,61,61,61	0
55	MG	1A	3005	1/1	0.97	0.15	0.30	22,22,22,22	0
55	MG	2A	3281	1/1	0.94	0.16	0.29	39,39,39,39	0
55	MG	1A	3845	1/1	0.75	0.18	0.28	47,47,47,47	0
55	MG	2A	3319	1/1	0.97	0.19	0.27	30,30,30,30	0
55	MG	2A	3207	1/1	0.89	0.15	0.20	65,65,65,65	0
55	MG	1F	306	1/1	0.94	0.20	0.18	25,25,25,25	0
55	MG	1A	3263	1/1	0.89	0.15	0.17	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3458	1/1	0.99	0.16	0.17	20,20,20,20	0
55	MG	1A	3128	1/1	0.94	0.17	0.12	33,33,33,33	0
55	MG	1A	3528	1/1	0.81	0.19	0.12	61,61,61,61	0
55	MG	1A	3445	1/1	0.98	0.20	0.10	24,24,24,24	0
55	MG	1a	3019	1/1	0.85	0.15	0.09	67,67,67,67	0
55	MG	2A	3518	1/1	0.93	0.18	0.09	60,60,60,60	0
55	MG	1A	3325	1/1	0.95	0.19	0.08	22,22,22,22	0
55	MG	2a	1677	1/1	0.93	0.16	0.03	61,61,61,61	0
55	MG	2A	3480	1/1	0.89	0.15	0.03	65,65,65,65	0
55	MG	2A	3012	1/1	0.96	0.18	0.02	42,42,42,42	0
55	MG	1A	3012	1/1	0.93	0.17	0.01	30,30,30,30	0
55	MG	2B	3003	1/1	0.86	0.15	0.00	71,71,71,71	0
55	MG	1A	3333	1/1	0.89	0.18	-0.08	29,29,29,29	0
55	MG	2A	3688	1/1	0.97	0.17	-0.09	73,73,73,73	0
55	MG	1a	3032	1/1	0.89	0.16	-0.09	39,39,39,39	0
55	MG	1A	3296	1/1	0.99	0.20	-0.11	31,31,31,31	0
55	MG	1a	3146	1/1	0.83	0.12	-0.15	71,71,71,71	0
55	MG	2a	1683	1/1	0.91	0.20	-0.17	79,79,79,79	0
55	MG	1d	506	1/1	0.93	0.16	-0.17	86,86,86,86	0
55	MG	1a	3131	1/1	0.83	0.17	-0.21	70,70,70,70	0
55	MG	1A	3280	1/1	0.86	0.15	-0.29	33,33,33,33	0
55	MG	2X	103	1/1	0.91	0.13	-0.29	58,58,58,58	0
55	MG	2a	1793	1/1	0.96	0.14	-0.37	56,56,56,56	0
55	MG	1a	3047	1/1	0.94	0.15	-0.37	64,64,64,64	0
55	MG	2A	3269	1/1	0.95	0.18	-0.44	38,38,38,38	0
55	MG	1A	3336	1/1	0.96	0.17	-0.46	19,19,19,19	0
55	MG	1a	3110	1/1	0.96	0.15	-0.48	54,54,54,54	0
55	MG	2D	309	1/1	0.96	0.12	-0.48	57,57,57,57	0
55	MG	2A	3263	1/1	0.79	0.16	-0.48	65,65,65,65	0
55	MG	1A	3282	1/1	0.99	0.15	-0.50	50,50,50,50	0
55	MG	1Q	204	1/1	0.93	0.15	-0.50	51,51,51,51	0
55	MG	2A	3373	1/1	0.94	0.14	-0.52	76,76,76,76	0
56	ZN	26	101	1/1	0.99	0.12	-0.52	66,66,66,66	0
55	MG	1A	3858	1/1	0.95	0.12	-0.54	60,60,60,60	0
55	MG	1A	3116	1/1	0.89	0.13	-0.55	49,49,49,49	0
55	MG	1t	3001	1/1	0.94	0.21	-0.62	64,64,64,64	0
55	MG	1a	3151	1/1	0.54	0.14	-0.64	81,81,81,81	0
55	MG	2A	3698	1/1	0.97	0.17	-0.66	40,40,40,40	0
55	MG	2a	1796	1/1	0.96	0.11	-0.70	58,58,58,58	0
55	MG	2B	3004	1/1	0.97	0.12	-0.70	78,78,78,78	0
55	MG	2a	1627	1/1	0.97	0.16	-0.73	54,54,54,54	0
56	ZN	24	501	1/1	0.91	0.14	-0.74	132,132,132,132	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3018	1/1	0.94	0.19	-0.75	30,30,30,30	0
55	MG	2A	3595	1/1	0.95	0.16	-0.76	52,52,52,52	0
55	MG	1a	3029	1/1	0.90	0.13	-0.77	55,55,55,55	0
55	MG	2a	1722	1/1	0.54	0.12	-0.80	77,77,77,77	0
55	MG	2A	3291	1/1	0.89	0.17	-0.80	40,40,40,40	0
55	MG	2A	3107	1/1	0.89	0.12	-0.81	58,58,58,58	0
57	SF4	1d	501	8/8	0.99	0.13	-0.84	65,73,78,86	0
55	MG	2G	3003	1/1	0.78	0.10	-0.84	83,83,83,83	0
55	MG	2A	3153	1/1	0.99	0.15	-0.84	51,51,51,51	0
55	MG	2A	3572	1/1	0.92	0.15	-0.90	51,51,51,51	0
55	MG	2A	3694	1/1	0.76	0.10	-0.91	61,61,61,61	0
55	MG	2A	3354	1/1	0.92	0.19	-0.92	41,41,41,41	0
55	MG	1A	3847	1/1	0.94	0.14	-0.95	61,61,61,61	0
55	MG	2A	3247	1/1	0.96	0.19	-1.02	38,38,38,38	0
55	MG	2A	3408	1/1	0.94	0.14	-1.02	48,48,48,48	0
55	MG	1D	308	1/1	0.88	0.13	-1.06	46,46,46,46	0
55	MG	2A	3452	1/1	0.90	0.10	-1.06	63,63,63,63	0
56	ZN	16	101	1/1	0.98	0.12	-1.06	62,62,62,62	0
55	MG	1A	3671	1/1	0.84	0.16	-1.08	46,46,46,46	0
55	MG	1A	3420	1/1	0.94	0.16	-1.09	37,37,37,37	0
55	MG	2A	3370	1/1	0.99	0.18	-1.09	36,36,36,36	0
55	MG	2A	3678	1/1	0.70	0.10	-1.14	91,91,91,91	0
55	MG	1A	3685	1/1	0.77	0.13	-1.15	31,31,31,31	0
55	MG	1A	3455	1/1	0.91	0.14	-1.17	21,21,21,21	0
56	ZN	14	501	1/1	0.81	0.05	-1.18	149,149,149,149	0
55	MG	1B	214	1/1	0.96	0.10	-1.19	50,50,50,50	0
55	MG	2A	3267	1/1	0.90	0.12	-1.19	50,50,50,50	0
55	MG	2A	3394	1/1	0.96	0.15	-1.19	49,49,49,49	0
55	MG	2A	3361	1/1	0.95	0.15	-1.21	53,53,53,53	0
55	MG	2E	303	1/1	0.95	0.17	-1.21	52,52,52,52	0
56	ZN	29	501	1/1	0.98	0.09	-1.21	77,77,77,77	0
55	MG	2A	3314	1/1	0.95	0.16	-1.22	40,40,40,40	0
55	MG	2Q	202	1/1	0.92	0.12	-1.22	65,65,65,65	0
55	MG	1A	3381	1/1	0.97	0.16	-1.23	23,23,23,23	0
55	MG	2A	3546	1/1	0.93	0.15	-1.26	43,43,43,43	0
55	MG	2A	3277	1/1	0.84	0.17	-1.28	54,54,54,54	0
55	MG	2A	3392	1/1	0.95	0.13	-1.29	55,55,55,55	0
57	SF4	2d	501	8/8	0.99	0.10	-1.29	67,72,87,89	0
55	MG	2a	1652	1/1	0.83	0.11	-1.29	65,65,65,65	0
55	MG	2A	3289	1/1	0.98	0.16	-1.30	40,40,40,40	0
56	ZN	1n	501	1/1	0.96	0.12	-1.34	85,85,85,85	0
55	MG	1A	3278	1/1	0.95	0.10	-1.37	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3785	1/1	0.96	0.16	-1.38	24,24,24,24	0
55	MG	1A	3525	1/1	0.98	0.13	-1.38	27,27,27,27	0
55	MG	2A	3274	1/1	0.95	0.15	-1.38	51,51,51,51	0
55	MG	2A	3384	1/1	0.94	0.18	-1.40	37,37,37,37	0
55	MG	1A	3306	1/1	0.96	0.11	-1.41	43,43,43,43	0
55	MG	2A	3763	1/1	0.94	0.16	-1.42	41,41,41,41	0
56	ZN	15	204	1/1	0.99	0.10	-1.43	53,53,53,53	0
55	MG	2a	1762	1/1	0.93	0.12	-1.46	60,60,60,60	0
55	MG	2d	502	1/1	0.98	0.11	-1.47	70,70,70,70	0
55	MG	2Q	205	1/1	0.99	0.11	-1.48	57,57,57,57	0
56	ZN	2Y	501	1/1	0.95	0.06	-1.48	91,91,91,91	0
55	MG	1A	3441	1/1	0.89	0.17	-1.49	21,21,21,21	0
55	MG	1A	3554	1/1	0.91	0.18	-1.50	15,15,15,15	0
55	MG	2A	3298	1/1	0.96	0.17	-1.53	37,37,37,37	0
55	MG	2A	3143	1/1	0.96	0.19	-1.54	59,59,59,59	0
55	MG	1a	3225	1/1	0.88	0.10	-1.55	74,74,74,74	0
55	MG	1A	3355	1/1	0.93	0.17	-1.56	22,22,22,22	0
55	MG	1A	3007	1/1	0.95	0.12	-1.56	38,38,38,38	0
55	MG	1A	3933	1/1	0.97	0.15	-1.58	28,28,28,28	0
56	ZN	19	102	1/1	0.98	0.13	-1.58	68,68,68,68	0
55	MG	1A	3563	1/1	0.96	0.14	-1.59	29,29,29,29	0
55	MG	2A	3790	1/1	0.98	0.12	-1.59	39,39,39,39	0
55	MG	2E	301	1/1	0.91	0.15	-1.59	47,47,47,47	0
55	MG	1A	3925	1/1	0.94	0.17	-1.60	42,42,42,42	0
55	MG	2A	3240	1/1	0.85	0.15	-1.63	50,50,50,50	0
55	MG	1A	3029	1/1	0.89	0.16	-1.63	39,39,39,39	0
55	MG	2A	3224	1/1	0.96	0.14	-1.66	55,55,55,55	0
55	MG	1A	3302	1/1	0.98	0.12	-1.67	51,51,51,51	0
55	MG	1A	3027	1/1	0.96	0.17	-1.68	31,31,31,31	0
55	MG	1G	3001	1/1	0.96	0.07	-1.71	74,74,74,74	0
55	MG	2A	3358	1/1	0.90	0.15	-1.71	59,59,59,59	0
55	MG	1A	3673	1/1	0.93	0.14	-1.72	29,29,29,29	0
55	MG	2A	3399	1/1	0.98	0.17	-1.74	51,51,51,51	0
55	MG	2A	3280	1/1	0.96	0.14	-1.74	35,35,35,35	0
55	MG	1Q	203	1/1	0.93	0.18	-1.78	49,49,49,49	0
55	MG	2a	1673	1/1	0.95	0.16	-1.78	59,59,59,59	0
55	MG	1A	3699	1/1	0.97	0.15	-1.80	27,27,27,27	0
55	MG	1A	3511	1/1	0.98	0.11	-1.81	25,25,25,25	0
55	MG	2A	3577	1/1	0.92	0.09	-1.82	51,51,51,51	0
56	ZN	25	103	1/1	0.97	0.08	-1.83	64,64,64,64	0
55	MG	1a	3209	1/1	0.96	0.14	-1.85	56,56,56,56	0
55	MG	2a	1797	1/1	0.97	0.09	-1.85	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3401	1/1	0.98	0.13	-1.88	40,40,40,40	0
55	MG	2A	3046	1/1	0.89	0.10	-1.88	72,72,72,72	0
55	MG	1A	3654	1/1	0.98	0.16	-1.88	40,40,40,40	0
55	MG	1A	3023	1/1	0.96	0.15	-1.90	21,21,21,21	0
55	MG	1a	3033	1/1	0.86	0.12	-1.91	56,56,56,56	0
55	MG	1G	3003	1/1	0.95	0.09	-1.92	49,49,49,49	0
55	MG	2A	3389	1/1	0.98	0.17	-1.92	51,51,51,51	0
55	MG	1A	3884	1/1	0.93	0.11	-1.92	22,22,22,22	0
56	ZN	2n	501	1/1	0.96	0.06	-1.93	94,94,94,94	0
55	MG	2A	3371	1/1	0.98	0.17	-1.96	43,43,43,43	0
55	MG	1A	3778	1/1	0.96	0.12	-1.96	25,25,25,25	0
55	MG	1a	3203	1/1	0.96	0.15	-1.96	64,64,64,64	0
55	MG	1b	3001	1/1	0.96	0.07	-1.96	71,71,71,71	0
55	MG	2A	3498	1/1	0.88	0.11	-1.97	68,68,68,68	0
55	MG	1X	8001	1/1	0.95	0.11	-1.97	27,27,27,27	0
55	MG	2A	3383	1/1	0.97	0.13	-1.98	66,66,66,66	0
55	MG	2A	3331	1/1	0.96	0.18	-1.98	45,45,45,45	0
55	MG	2A	3238	1/1	0.98	0.16	-2.04	46,46,46,46	0
55	MG	2A	3446	1/1	0.88	0.14	-2.05	78,78,78,78	0
55	MG	2A	3226	1/1	0.96	0.12	-2.07	70,70,70,70	0
55	MG	1A	3723	1/1	0.81	0.09	-2.08	77,77,77,77	0
55	MG	1A	3613	1/1	0.98	0.14	-2.09	23,23,23,23	0
55	MG	1a	3103	1/1	0.96	0.13	-2.09	77,77,77,77	0
55	MG	2A	3352	1/1	0.96	0.19	-2.19	29,29,29,29	0
55	MG	2A	3779	1/1	0.96	0.14	-2.22	36,36,36,36	0
55	MG	1B	205	1/1	0.97	0.09	-2.23	54,54,54,54	0
55	MG	2A	3750	1/1	0.93	0.14	-2.30	60,60,60,60	0
55	MG	1A	3769	1/1	0.98	0.15	-2.30	31,31,31,31	0
55	MG	2A	3775	1/1	0.97	0.12	-2.31	63,63,63,63	0
55	MG	1A	3468	1/1	0.83	0.17	-2.31	30,30,30,30	0
55	MG	2A	3302	1/1	0.75	0.14	-2.33	47,47,47,47	0
55	MG	1A	3478	1/1	0.91	0.12	-2.33	33,33,33,33	0
55	MG	1A	3281	1/1	0.91	0.14	-2.36	31,31,31,31	0
55	MG	1A	3637	1/1	0.96	0.13	-2.36	45,45,45,45	0
55	MG	2A	3271	1/1	0.88	0.10	-2.36	58,58,58,58	0
55	MG	2A	3699	1/1	0.96	0.14	-2.40	37,37,37,37	0
55	MG	1A	3630	1/1	0.96	0.10	-2.42	60,60,60,60	0
55	MG	2A	3378	1/1	0.86	0.07	-2.47	58,58,58,58	0
55	MG	1a	3194	1/1	0.79	0.11	-2.49	80,80,80,80	0
55	MG	1A	3784	1/1	0.99	0.14	-2.50	32,32,32,32	0
55	MG	1a	3018	1/1	0.85	0.11	-2.52	66,66,66,66	0
55	MG	1A	3061	1/1	0.91	0.14	-2.53	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1725	1/1	0.78	0.12	-2.53	89,89,89,89	0
55	MG	2A	3603	1/1	0.84	0.12	-2.57	70,70,70,70	0
55	MG	2A	3388	1/1	0.95	0.17	-2.59	47,47,47,47	0
55	MG	2A	3225	1/1	0.93	0.11	-2.62	52,52,52,52	0
55	MG	1A	3001	1/1	0.95	0.13	-2.68	38,38,38,38	0
55	MG	2A	3726	1/1	0.97	0.11	-2.70	38,38,38,38	0
55	MG	2A	3088	1/1	0.94	0.09	-2.73	73,73,73,73	0
55	MG	2A	3669	1/1	0.99	0.13	-2.74	45,45,45,45	0
55	MG	2A	3617	1/1	0.93	0.14	-2.75	35,35,35,35	0
55	MG	2a	1751	1/1	0.88	0.12	-2.81	77,77,77,77	0
55	MG	1A	3624	1/1	0.93	0.14	-2.83	53,53,53,53	0
55	MG	1Q	201	1/1	0.97	0.12	-2.84	51,51,51,51	0
55	MG	2A	3377	1/1	0.95	0.14	-2.85	54,54,54,54	0
55	MG	2A	3324	1/1	0.99	0.14	-2.88	37,37,37,37	0
55	MG	2A	3730	1/1	0.97	0.14	-2.90	51,51,51,51	0
55	MG	2I	101	1/1	0.96	0.11	-2.93	66,66,66,66	0
55	MG	1A	3376	1/1	0.97	0.12	-2.94	13,13,13,13	0
55	MG	1A	3660	1/1	0.99	0.12	-2.96	35,35,35,35	0
55	MG	2A	3213	1/1	0.94	0.13	-2.97	36,36,36,36	0
55	MG	1a	3191	1/1	0.97	0.12	-2.99	49,49,49,49	0
55	MG	2A	3728	1/1	0.97	0.12	-2.99	46,46,46,46	0
55	MG	1A	3556	1/1	0.98	0.12	-3.01	32,32,32,32	0
55	MG	1A	3564	1/1	0.96	0.12	-3.05	28,28,28,28	0
55	MG	1A	3303	1/1	0.98	0.19	-3.07	16,16,16,16	0
55	MG	2A	3684	1/1	0.93	0.13	-3.08	61,61,61,61	0
55	MG	2A	3693	1/1	0.86	0.06	-3.09	78,78,78,78	0
55	MG	2a	1775	1/1	0.86	0.10	-3.13	74,74,74,74	0
55	MG	1A	3923	1/1	0.97	0.13	-3.14	17,17,17,17	0
55	MG	2a	1794	1/1	0.96	0.06	-3.16	74,74,74,74	0
55	MG	2A	3620	1/1	0.97	0.12	-3.17	40,40,40,40	0
55	MG	1A	3158	1/1	0.96	0.14	-3.19	31,31,31,31	0
55	MG	1A	3435	1/1	0.97	0.09	-3.22	44,44,44,44	0
55	MG	2A	3359	1/1	0.89	0.07	-3.23	64,64,64,64	0
55	MG	2A	3048	1/1	0.93	0.13	-3.24	46,46,46,46	0
55	MG	2a	1765	1/1	0.90	0.07	-3.27	88,88,88,88	0
55	MG	1A	3772	1/1	0.91	0.12	-3.27	48,48,48,48	0
55	MG	2A	3299	1/1	0.74	0.15	-3.30	46,46,46,46	0
55	MG	1A	3421	1/1	0.98	0.16	-3.33	23,23,23,23	0
55	MG	1A	3389	1/1	0.97	0.18	-3.34	21,21,21,21	0
55	MG	1A	3414	1/1	0.97	0.14	-3.38	31,31,31,31	0
55	MG	1a	3091	1/1	0.98	0.11	-3.38	40,40,40,40	0
55	MG	1A	3338	1/1	0.96	0.13	-3.39	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3468	1/1	0.93	0.14	-3.41	64,64,64,64	0
55	MG	1A	3809	1/1	0.85	0.14	-3.42	35,35,35,35	0
55	MG	1a	3171	1/1	0.96	0.11	-3.51	54,54,54,54	0
55	MG	2A	3719	1/1	0.90	0.07	-3.55	67,67,67,67	0
55	MG	1A	3446	1/1	0.97	0.15	-3.56	24,24,24,24	0
55	MG	2A	3451	1/1	0.99	0.06	-3.58	55,55,55,55	0
55	MG	2a	1742	1/1	0.95	0.08	-3.63	61,61,61,61	0
55	MG	1a	3220	1/1	0.94	0.10	-3.63	60,60,60,60	0
55	MG	1A	3871	1/1	0.98	0.11	-3.69	16,16,16,16	0
55	MG	2A	3020	1/1	0.95	0.10	-3.70	42,42,42,42	0
55	MG	2A	3422	1/1	0.78	0.12	-3.72	71,71,71,71	0
55	MG	1A	3354	1/1	0.98	0.14	-3.79	26,26,26,26	0
55	MG	2A	3421	1/1	0.94	0.12	-3.84	52,52,52,52	0
55	MG	2A	3657	1/1	0.93	0.09	-3.94	55,55,55,55	0
55	MG	1A	3345	1/1	0.94	0.14	-3.96	24,24,24,24	0
55	MG	2A	3272	1/1	0.97	0.07	-4.02	60,60,60,60	0
55	MG	2B	3012	1/1	0.67	0.07	-4.02	80,80,80,80	0
55	MG	2a	1688	1/1	0.93	0.08	-4.07	58,58,58,58	0
55	MG	2A	3345	1/1	0.95	0.07	-4.08	78,78,78,78	0
55	MG	2A	3497	1/1	0.96	0.12	-4.09	39,39,39,39	0
55	MG	1A	3415	1/1	0.95	0.11	-4.15	26,26,26,26	0
55	MG	1A	3092	1/1	0.95	0.14	-4.21	33,33,33,33	0
55	MG	2A	3725	1/1	0.79	0.08	-4.27	58,58,58,58	0
55	MG	2A	3357	1/1	0.98	0.11	-4.31	53,53,53,53	0
55	MG	1A	3777	1/1	0.96	0.06	-4.31	73,73,73,73	0
55	MG	1A	3430	1/1	0.93	0.11	-4.32	54,54,54,54	0
55	MG	2A	3540	1/1	0.87	0.07	-4.32	70,70,70,70	0
55	MG	2A	3804	1/1	0.74	0.10	-4.33	75,75,75,75	0
55	MG	2a	1616	1/1	0.88	0.12	-4.44	55,55,55,55	0
55	MG	1A	3328	1/1	0.89	0.10	-4.44	40,40,40,40	0
55	MG	2A	3491	1/1	0.96	0.12	-4.47	49,49,49,49	0
55	MG	28	102	1/1	0.88	0.07	-4.48	73,73,73,73	0
55	MG	1A	3692	1/1	0.92	0.08	-4.57	40,40,40,40	0
55	MG	1A	3434	1/1	0.95	0.13	-4.60	46,46,46,46	0
55	MG	2A	3466	1/1	0.94	0.13	-4.62	69,69,69,69	0
55	MG	1A	3327	1/1	0.96	0.10	-4.64	43,43,43,43	0
55	MG	2a	1784	1/1	0.95	0.06	-4.64	87,87,87,87	0
55	MG	2A	3026	1/1	0.90	0.14	-4.68	37,37,37,37	0
55	MG	2A	3722	1/1	0.93	0.07	-4.73	69,69,69,69	0
55	MG	1A	3403	1/1	0.96	0.13	-4.73	48,48,48,48	0
55	MG	1A	3410	1/1	0.97	0.17	-4.76	8,8,8,8	0
55	MG	1B	217	1/1	0.82	0.08	-4.78	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3294	1/1	0.97	0.14	-4.90	45,45,45,45	0
55	MG	1A	3479	1/1	0.93	0.11	-4.96	31,31,31,31	0
55	MG	1A	3428	1/1	0.96	0.14	-4.98	18,18,18,18	0
55	MG	1A	3643	1/1	0.98	0.13	-4.98	22,22,22,22	0
55	MG	2A	3680	1/1	0.93	0.12	-5.01	63,63,63,63	0
55	MG	2A	3292	1/1	0.80	0.08	-5.01	55,55,55,55	0
55	MG	2A	3766	1/1	0.80	0.13	-5.08	78,78,78,78	0
55	MG	1A	3476	1/1	0.88	0.09	-5.16	33,33,33,33	0
55	MG	2A	3616	1/1	0.92	0.06	-5.23	57,57,57,57	0
55	MG	2A	3601	1/1	0.93	0.12	-5.31	59,59,59,59	0
55	MG	2A	3006	1/1	0.97	0.12	-5.31	40,40,40,40	0
55	MG	11	101	1/1	0.97	0.06	-5.36	57,57,57,57	0
55	MG	1A	3695	1/1	0.92	0.09	-5.45	33,33,33,33	0
55	MG	2A	3309	1/1	0.99	0.16	-5.49	44,44,44,44	0
55	MG	1A	3342	1/1	0.94	0.06	-5.50	29,29,29,29	0
55	MG	1A	3269	1/1	0.96	0.09	-5.56	26,26,26,26	0
55	MG	2A	3696	1/1	0.98	0.04	-5.57	61,61,61,61	0
55	MG	2A	3691	1/1	0.86	0.08	-5.58	75,75,75,75	0
55	MG	1A	3196	1/1	0.94	0.11	-5.61	32,32,32,32	0
55	MG	1A	3587	1/1	0.94	0.12	-5.65	35,35,35,35	0
55	MG	1A	3427	1/1	0.99	0.13	-5.77	27,27,27,27	0
55	MG	1A	3340	1/1	0.98	0.10	-5.78	25,25,25,25	0
55	MG	2A	3418	1/1	0.96	0.10	-5.79	44,44,44,44	0
55	MG	1a	3198	1/1	0.97	0.08	-5.85	57,57,57,57	0
55	MG	1A	3330	1/1	0.99	0.13	-5.91	31,31,31,31	0
55	MG	1A	3350	1/1	0.96	0.13	-5.91	26,26,26,26	0
55	MG	1A	3850	1/1	0.97	0.11	-5.92	23,23,23,23	0
55	MG	2A	3362	1/1	0.95	0.10	-5.94	56,56,56,56	0
55	MG	1A	3792	1/1	0.88	0.09	-5.96	63,63,63,63	0
55	MG	1A	3475	1/1	0.96	0.08	-6.09	25,25,25,25	0
55	MG	1A	3727	1/1	0.96	0.09	-6.10	48,48,48,48	0
55	MG	2A	3282	1/1	0.97	0.12	-6.10	42,42,42,42	0
55	MG	1A	3844	1/1	0.97	0.08	-6.12	25,25,25,25	0
55	MG	2A	3614	1/1	0.95	0.09	-6.13	56,56,56,56	0
55	MG	20	104	1/1	0.98	0.06	-6.23	68,68,68,68	0
55	MG	1A	3812	1/1	0.91	0.09	-6.25	32,32,32,32	0
55	MG	1A	3903	1/1	0.84	0.10	-6.31	34,34,34,34	0
55	MG	1A	3460	1/1	0.94	0.07	-6.31	47,47,47,47	0
55	MG	2a	1681	1/1	0.93	0.09	-6.36	53,53,53,53	0
55	MG	1A	3935	1/1	0.97	0.13	-6.41	27,27,27,27	0
55	MG	2A	3645	1/1	0.96	0.06	-6.46	64,64,64,64	0
55	MG	2A	3571	1/1	0.98	0.13	-6.54	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3311	1/1	0.98	0.12	-6.60	48,48,48,48	0
55	MG	2A	3276	1/1	0.73	0.10	-6.62	61,61,61,61	0
55	MG	1a	3094	1/1	0.96	0.06	-6.71	47,47,47,47	0
55	MG	1A	3868	1/1	0.96	0.11	-6.85	27,27,27,27	0
55	MG	2A	3364	1/1	0.94	0.07	-7.01	34,34,34,34	0
55	MG	2a	1770	1/1	0.96	0.05	-7.12	61,61,61,61	0
55	MG	1A	3452	1/1	0.97	0.07	-7.16	55,55,55,55	0
55	MG	1A	3304	1/1	0.97	0.12	-7.21	14,14,14,14	0
55	MG	2A	3713	1/1	0.98	0.04	-7.25	79,79,79,79	0
55	MG	1A	3680	1/1	0.95	0.08	-7.30	53,53,53,53	0
55	MG	18	3303	1/1	0.86	0.04	-7.36	63,63,63,63	0
55	MG	1A	3294	1/1	0.94	0.12	-7.48	25,25,25,25	0
55	MG	2A	3286	1/1	0.99	0.07	-7.61	37,37,37,37	0
55	MG	1A	3691	1/1	0.95	0.09	-7.66	42,42,42,42	0
55	MG	1A	3817	1/1	0.93	0.08	-7.84	21,21,21,21	0
55	MG	1A	3584	1/1	0.91	0.07	-7.85	48,48,48,48	0
55	MG	1A	3449	1/1	0.94	0.10	-7.88	41,41,41,41	0
55	MG	1A	3767	1/1	0.95	0.12	-7.99	52,52,52,52	0
55	MG	2A	3339	1/1	0.95	0.16	-8.14	37,37,37,37	0
55	MG	1A	3323	1/1	0.97	0.07	-8.30	29,29,29,29	0
55	MG	2a	1670	1/1	0.97	0.10	-8.32	49,49,49,49	0
55	MG	2A	3648	1/1	0.91	0.08	-8.65	39,39,39,39	0
55	MG	1A	3775	1/1	0.94	0.06	-9.00	47,47,47,47	0
55	MG	1A	3879	1/1	0.98	0.10	-9.10	47,47,47,47	0
55	MG	2A	3284	1/1	0.99	0.10	-9.31	36,36,36,36	0
55	MG	1A	3331	1/1	0.97	0.18	-9.34	23,23,23,23	0
55	MG	2a	1613	1/1	0.94	0.08	-9.57	50,50,50,50	0
55	MG	1A	3635	1/1	0.97	0.08	-9.93	29,29,29,29	0
55	MG	2a	1745	1/1	0.98	0.04	-10.07	77,77,77,77	0
55	MG	1A	3021	1/1	0.81	0.11	-10.10	50,50,50,50	0
55	MG	1A	3751	1/1	0.98	0.08	-10.12	24,24,24,24	0
55	MG	2A	3776	1/1	0.98	0.07	-10.41	44,44,44,44	0
55	MG	1A	3899	1/1	0.77	0.09	-10.44	52,52,52,52	0
55	MG	1A	3440	1/1	0.98	0.10	-11.07	54,54,54,54	0
55	MG	1A	3781	1/1	0.99	0.08	-11.16	36,36,36,36	0
55	MG	1A	3367	1/1	0.99	0.09	-11.30	14,14,14,14	0
55	MG	1A	3765	1/1	0.98	0.04	-11.36	46,46,46,46	0
55	MG	2A	3587	1/1	0.85	0.06	-11.61	63,63,63,63	0
55	MG	1A	3591	1/1	0.95	0.08	-12.14	26,26,26,26	0
55	MG	2A	3248	1/1	0.97	0.07	-12.44	28,28,28,28	0
55	MG	1A	3807	1/1	0.98	0.06	-13.50	17,17,17,17	0
55	MG	1A	3796	1/1	0.98	0.07	-15.31	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3739	1/1	0.99	0.07	-15.68	19,19,19,19	0
55	MG	1A	3662	1/1	0.98	0.08	-20.11	22,22,22,22	0
55	MG	1a	3013	1/1	0.77	0.10	-	79,79,79,79	0
55	MG	1A	3377	1/1	0.97	0.13	-	47,47,47,47	0
55	MG	1A	3705	1/1	0.91	0.13	-	53,53,53,53	0
55	MG	1A	3497	1/1	0.94	0.20	-	70,70,70,70	0
55	MG	2A	3753	1/1	0.88	0.09	-	74,74,74,74	0
55	MG	2a	1715	1/1	0.97	0.17	-	81,81,81,81	0
55	MG	1A	3489	1/1	0.91	0.17	-	46,46,46,46	0
55	MG	1A	3798	1/1	0.97	0.14	-	46,46,46,46	0
55	MG	1A	3195	1/1	0.73	0.28	-	46,46,46,46	0
55	MG	2a	1649	1/1	0.88	0.11	-	71,71,71,71	0
55	MG	2a	1782	1/1	0.94	0.15	-	75,75,75,75	0
55	MG	1A	3672	1/1	0.97	0.17	-	35,35,35,35	0
55	MG	1A	3568	1/1	0.87	0.27	-	53,53,53,53	0
55	MG	2A	3025	1/1	0.92	0.21	-	53,53,53,53	0
55	MG	1A	3004	1/1	0.89	0.17	-	50,50,50,50	0
55	MG	1A	3124	1/1	0.93	0.17	-	35,35,35,35	0
55	MG	2A	3136	1/1	0.65	0.45	-	59,59,59,59	0
55	MG	1a	3176	1/1	0.72	0.17	-	91,91,91,91	0
55	MG	2A	3149	1/1	0.93	0.23	-	58,58,58,58	0
55	MG	1A	3422	1/1	0.97	0.06	-	68,68,68,68	0
55	MG	2A	3731	1/1	0.86	0.07	-	65,65,65,65	0
55	MG	1A	3754	1/1	0.95	0.10	-	71,71,71,71	0
55	MG	1A	3491	1/1	0.97	0.15	-	42,42,42,42	0
55	MG	1A	3292	1/1	0.93	0.06	-	34,34,34,34	0
55	MG	2A	3591	1/1	0.99	0.17	-	56,56,56,56	0
55	MG	2A	3381	1/1	0.97	0.11	-	66,66,66,66	0
55	MG	1A	3065	1/1	0.96	0.33	-	33,33,33,33	0
55	MG	2A	3660	1/1	0.91	0.16	-	80,80,80,80	0
55	MG	2A	3340	1/1	0.73	0.18	-	72,72,72,72	0
55	MG	2A	3229	1/1	0.84	0.44	-	64,64,64,64	0
55	MG	2A	3152	1/1	0.85	0.22	-	66,66,66,66	0
55	MG	1A	3048	1/1	0.92	0.16	-	29,29,29,29	0
55	MG	1A	3130	1/1	0.71	0.23	-	65,65,65,65	0
55	MG	1A	3289	1/1	0.91	0.19	-	33,33,33,33	0
55	MG	2A	3814	1/1	0.72	0.20	-	76,76,76,76	0
55	MG	1A	3358	1/1	0.93	0.12	-	24,24,24,24	0
55	MG	2A	3662	1/1	0.92	0.07	-	65,65,65,65	0
55	MG	1A	3659	1/1	0.89	0.34	-	61,61,61,61	0
55	MG	2A	3807	1/1	0.97	0.39	-	57,57,57,57	0
55	MG	1A	3264	1/1	0.94	0.15	-	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1a	3027	1/1	0.92	0.86	-	75,75,75,75	0
55	MG	1A	3254	1/1	0.56	0.50	-	59,59,59,59	0
55	MG	1A	3611	1/1	0.98	0.04	-	81,81,81,81	0
55	MG	1A	3912	1/1	0.69	0.24	-	52,52,52,52	0
55	MG	2a	1621	1/1	0.89	0.12	-	80,80,80,80	0
55	MG	1A	3881	1/1	0.86	0.20	-	51,51,51,51	0
55	MG	2A	3118	1/1	0.90	0.38	-	54,54,54,54	0
55	MG	1A	3399	1/1	0.91	0.05	-	65,65,65,65	0
55	MG	1A	3361	1/1	0.98	0.10	-	28,28,28,28	0
55	MG	2A	3467	1/1	0.96	0.15	-	76,76,76,76	0
55	MG	1a	3030	1/1	0.89	1.02	-	75,75,75,75	0
55	MG	1A	3390	1/1	0.95	0.18	-	45,45,45,45	0
55	MG	1A	3247	1/1	0.93	0.25	-	47,47,47,47	0
55	MG	2B	3007	1/1	0.82	0.14	-	79,79,79,79	0
55	MG	1A	3590	1/1	0.93	0.33	-	77,77,77,77	0
55	MG	2A	3228	1/1	0.79	0.34	-	84,84,84,84	0
55	MG	1Y	502	1/1	0.93	0.07	-	68,68,68,68	0
55	MG	2a	1662	1/1	0.93	0.29	-	61,61,61,61	0
55	MG	2A	3121	1/1	0.96	0.25	-	46,46,46,46	0
55	MG	1a	3122	1/1	0.98	0.27	-	67,67,67,67	0
55	MG	2A	3562	1/1	0.56	0.45	-	81,81,81,81	0
55	MG	1A	3596	1/1	0.92	0.16	-	83,83,83,83	0
55	MG	1A	3674	1/1	0.90	0.42	-	51,51,51,51	0
55	MG	1a	3039	1/1	0.74	0.40	-	68,68,68,68	0
55	MG	2a	1709	1/1	0.89	0.15	-	87,87,87,87	0
55	MG	1A	3553	1/1	0.90	0.06	-	47,47,47,47	0
55	MG	1A	3748	1/1	0.97	0.07	-	39,39,39,39	0
55	MG	1a	3025	1/1	0.96	0.07	-	51,51,51,51	0
55	MG	1A	3829	1/1	0.96	0.32	-	67,67,67,67	0
55	MG	1A	3653	1/1	0.94	0.14	-	42,42,42,42	0
55	MG	1A	3265	1/1	0.94	0.16	-	81,81,81,81	0
55	MG	2A	3108	1/1	0.95	0.09	-	65,65,65,65	0
55	MG	2a	1705	1/1	0.96	0.19	-	75,75,75,75	0
55	MG	2a	1707	1/1	0.86	0.10	-	82,82,82,82	0
55	MG	2A	3047	1/1	0.95	0.37	-	45,45,45,45	0
55	MG	1A	3402	1/1	0.90	0.07	-	62,62,62,62	0
55	MG	1A	3813	1/1	0.98	0.11	-	22,22,22,22	0
55	MG	2a	1608	1/1	0.86	0.28	-	57,57,57,57	0
55	MG	1A	3560	1/1	0.93	0.24	-	24,24,24,24	0
55	MG	2A	3414	1/1	0.96	0.07	-	77,77,77,77	0
55	MG	1A	3100	1/1	0.94	0.32	-	31,31,31,31	0
55	MG	1a	3200	1/1	0.88	0.07	-	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1778	1/1	0.97	0.08	-	64,64,64,64	0
55	MG	2A	3104	1/1	0.75	0.35	-	57,57,57,57	0
55	MG	1A	3759	1/1	0.90	0.17	-	61,61,61,61	0
55	MG	2A	3729	1/1	0.91	0.39	-	72,72,72,72	0
55	MG	1a	3081	1/1	0.93	0.21	-	76,76,76,76	0
55	MG	1A	3186	1/1	0.92	0.10	-	58,58,58,58	0
55	MG	1a	3115	1/1	0.94	0.56	-	71,71,71,71	0
55	MG	1A	3570	1/1	0.94	0.25	-	46,46,46,46	0
55	MG	1A	3314	1/1	0.97	0.08	-	53,53,53,53	0
55	MG	2A	3545	1/1	0.82	0.07	-	84,84,84,84	0
55	MG	1A	3603	1/1	0.83	0.47	-	46,46,46,46	0
55	MG	1A	3764	1/1	0.87	0.08	-	41,41,41,41	0
55	MG	2A	3032	1/1	0.86	0.33	-	63,63,63,63	0
55	MG	1a	3185	1/1	0.92	0.20	-	69,69,69,69	0
55	MG	1a	3003	1/1	0.93	0.20	-	81,81,81,81	0
55	MG	1a	3196	1/1	0.82	0.13	-	82,82,82,82	0
55	MG	2A	3072	1/1	0.90	0.60	-	64,64,64,64	0
55	MG	2a	1728	1/1	0.93	0.18	-	81,81,81,81	0
55	MG	1A	3164	1/1	0.84	0.28	-	78,78,78,78	0
55	MG	1a	3184	1/1	0.82	0.14	-	82,82,82,82	0
55	MG	2A	3478	1/1	0.93	0.23	-	55,55,55,55	0
55	MG	1A	3852	1/1	0.95	0.22	-	22,22,22,22	0
55	MG	2A	3423	1/1	0.95	0.33	-	51,51,51,51	0
55	MG	2a	1704	1/1	0.95	0.17	-	76,76,76,76	0
55	MG	2A	3145	1/1	0.96	0.12	-	75,75,75,75	0
55	MG	2A	3050	1/1	0.82	0.20	-	63,63,63,63	0
55	MG	2a	1644	1/1	0.81	0.27	-	71,71,71,71	0
55	MG	2A	3782	1/1	0.87	0.17	-	79,79,79,79	0
55	MG	1A	3906	1/1	0.89	0.33	-	40,40,40,40	0
55	MG	2A	3385	1/1	0.82	0.23	-	86,86,86,86	0
55	MG	2A	3663	1/1	0.98	0.11	-	53,53,53,53	0
55	MG	2a	1669	1/1	0.97	0.07	-	49,49,49,49	0
55	MG	2A	3501	1/1	0.69	0.22	-	57,57,57,57	0
55	MG	2A	3351	1/1	0.95	0.06	-	69,69,69,69	0
55	MG	1A	3104	1/1	0.86	0.19	-	42,42,42,42	0
55	MG	1a	3045	1/1	0.96	0.32	-	63,63,63,63	0
55	MG	1A	3284	1/1	0.96	0.11	-	64,64,64,64	0
55	MG	2A	3044	1/1	0.97	0.35	-	38,38,38,38	0
55	MG	2A	3059	1/1	0.91	1.19	-	55,55,55,55	0
55	MG	1A	3783	1/1	0.95	0.17	-	44,44,44,44	0
55	MG	2h	3001	1/1	0.90	0.52	-	64,64,64,64	0
55	MG	2A	3313	1/1	0.96	0.18	-	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3426	1/1	0.95	0.11	-	62,62,62,62	0
55	MG	1A	3388	1/1	0.91	0.16	-	26,26,26,26	0
55	MG	1A	3655	1/1	0.80	0.19	-	72,72,72,72	0
55	MG	1A	3892	1/1	0.94	0.15	-	59,59,59,59	0
55	MG	2A	3437	1/1	0.88	0.07	-	75,75,75,75	0
55	MG	1A	3383	1/1	0.90	0.12	-	53,53,53,53	0
55	MG	1A	3843	1/1	0.83	0.21	-	47,47,47,47	0
55	MG	1A	3631	1/1	0.96	0.27	-	81,81,81,81	0
55	MG	1A	3024	1/1	0.99	0.30	-	34,34,34,34	0
55	MG	1a	3213	1/1	0.90	0.17	-	67,67,67,67	0
55	MG	2A	3642	1/1	0.88	0.07	-	80,80,80,80	0
55	MG	1A	3911	1/1	0.98	0.20	-	33,33,33,33	0
55	MG	1B	226	1/1	0.90	0.12	-	72,72,72,72	0
55	MG	2A	3296	1/1	0.91	0.15	-	60,60,60,60	0
55	MG	2A	3360	1/1	0.91	0.19	-	58,58,58,58	0
55	MG	1a	3084	1/1	0.89	0.30	-	58,58,58,58	0
55	MG	1A	3039	1/1	0.83	0.32	-	55,55,55,55	0
55	MG	1A	3771	1/1	0.95	0.21	-	38,38,38,38	0
55	MG	1a	3001	1/1	0.90	0.07	-	73,73,73,73	0
55	MG	1a	3111	1/1	0.99	0.15	-	55,55,55,55	0
55	MG	2a	1744	1/1	0.92	0.35	-	69,69,69,69	0
55	MG	1A	3293	1/1	0.98	0.14	-	19,19,19,19	0
55	MG	1A	3098	1/1	0.90	0.20	-	37,37,37,37	0
55	MG	1A	3900	1/1	0.90	0.43	-	57,57,57,57	0
55	MG	1A	3058	1/1	0.86	0.08	-	50,50,50,50	0
55	MG	2A	3611	1/1	0.90	0.31	-	79,79,79,79	0
55	MG	2a	1791	1/1	0.35	0.31	-	102,102,102,102	0
55	MG	1B	212	1/1	0.97	0.18	-	56,56,56,56	0
55	MG	1A	3698	1/1	0.93	0.12	-	48,48,48,48	0
55	MG	2A	3039	1/1	0.96	0.22	-	25,25,25,25	0
55	MG	2A	3173	1/1	0.82	0.98	-	72,72,72,72	0
55	MG	2A	3687	1/1	0.94	0.18	-	46,46,46,46	0
55	MG	2A	3718	1/1	0.95	0.10	-	78,78,78,78	0
55	MG	1A	3822	1/1	0.95	0.10	-	54,54,54,54	0
55	MG	1A	3229	1/1	0.98	0.15	-	41,41,41,41	0
55	MG	2A	3727	1/1	0.65	0.63	-	64,64,64,64	0
55	MG	1A	3231	1/1	0.95	0.62	-	25,25,25,25	0
55	MG	1a	3206	1/1	0.97	0.03	-	74,74,74,74	0
55	MG	2A	3513	1/1	0.80	0.80	-	62,62,62,62	0
55	MG	1A	3320	1/1	0.95	0.29	-	52,52,52,52	0
55	MG	1A	3804	1/1	0.83	0.10	-	71,71,71,71	0
55	MG	2A	3509	1/1	0.73	0.16	-	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3382	1/1	0.97	0.20	-	61,61,61,61	0
55	MG	2A	3022	1/1	0.95	0.13	-	72,72,72,72	0
55	MG	2A	3144	1/1	0.89	0.16	-	78,78,78,78	0
55	MG	1A	3220	1/1	0.89	0.20	-	61,61,61,61	0
55	MG	2Q	204	1/1	0.75	0.53	-	69,69,69,69	0
55	MG	1A	3081	1/1	0.94	0.38	-	41,41,41,41	0
55	MG	2a	1721	1/1	0.84	0.13	-	86,86,86,86	0
55	MG	1A	3334	1/1	0.98	0.15	-	27,27,27,27	0
55	MG	1A	3224	1/1	0.97	0.13	-	35,35,35,35	0
55	MG	1a	3143	1/1	0.87	0.09	-	82,82,82,82	0
55	MG	2A	3069	1/1	0.96	0.23	-	54,54,54,54	0
55	MG	2A	3439	1/1	0.80	0.14	-	73,73,73,73	0
55	MG	1A	3222	1/1	0.93	0.11	-	46,46,46,46	0
55	MG	2A	3636	1/1	0.91	0.06	-	67,67,67,67	0
55	MG	1a	3165	1/1	0.91	0.73	-	74,74,74,74	0
55	MG	1A	3063	1/1	0.88	0.48	-	45,45,45,45	0
55	MG	1a	3205	1/1	0.93	0.05	-	78,78,78,78	0
55	MG	2Q	203	1/1	0.94	0.32	-	55,55,55,55	0
55	MG	2a	1602	1/1	0.89	0.45	-	76,76,76,76	0
55	MG	1a	3082	1/1	0.93	0.24	-	58,58,58,58	0
55	MG	2A	3147	1/1	0.84	0.18	-	81,81,81,81	0
55	MG	2A	3087	1/1	0.97	0.16	-	61,61,61,61	0
55	MG	2A	3625	1/1	0.98	0.05	-	67,67,67,67	0
55	MG	1A	3693	1/1	0.94	0.09	-	38,38,38,38	0
55	MG	2A	3788	1/1	0.96	0.19	-	66,66,66,66	0
55	MG	1A	3111	1/1	0.91	0.21	-	55,55,55,55	0
55	MG	2A	3348	1/1	0.92	0.15	-	59,59,59,59	0
55	MG	2A	3559	1/1	0.90	0.11	-	51,51,51,51	0
55	MG	1d	504	1/1	0.85	0.21	-	77,77,77,77	0
55	MG	1G	3002	1/1	0.98	0.09	-	67,67,67,67	0
55	MG	2a	1780	1/1	0.85	0.26	-	73,73,73,73	0
55	MG	1a	3195	1/1	0.96	0.15	-	68,68,68,68	0
55	MG	2A	3762	1/1	0.88	0.64	-	57,57,57,57	0
55	MG	1A	3167	1/1	0.82	0.12	-	54,54,54,54	0
55	MG	1a	3056	1/1	0.86	0.08	-	74,74,74,74	0
55	MG	1a	3010	1/1	0.93	0.23	-	60,60,60,60	0
55	MG	2a	1679	1/1	0.94	0.41	-	64,64,64,64	0
55	MG	2A	3133	1/1	0.63	0.49	-	64,64,64,64	0
55	MG	1A	3371	1/1	0.90	0.12	-	62,62,62,62	0
55	MG	2A	3038	1/1	0.95	0.22	-	54,54,54,54	0
55	MG	1A	3461	1/1	0.95	0.10	-	27,27,27,27	0
55	MG	1A	3032	1/1	0.89	0.37	-	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3180	1/1	0.86	0.14	-	64,64,64,64	0
55	MG	1A	3629	1/1	0.87	0.15	-	63,63,63,63	0
55	MG	2A	3560	1/1	0.97	0.09	-	66,66,66,66	0
55	MG	2a	1641	1/1	0.79	0.92	-	65,65,65,65	0
55	MG	2A	3569	1/1	0.88	0.16	-	56,56,56,56	0
55	MG	2A	3223	1/1	0.86	0.15	-	68,68,68,68	0
55	MG	2A	3594	1/1	0.78	0.11	-	55,55,55,55	0
55	MG	10	104	1/1	0.95	0.10	-	73,73,73,73	0
55	MG	2A	3759	1/1	0.93	0.11	-	84,84,84,84	0
55	MG	1V	201	1/1	0.96	0.09	-	67,67,67,67	0
55	MG	1A	3814	1/1	0.92	0.26	-	46,46,46,46	0
55	MG	2a	1631	1/1	0.92	0.43	-	52,52,52,52	0
55	MG	2A	3542	1/1	0.84	0.23	-	75,75,75,75	0
55	MG	1A	3057	1/1	0.93	0.17	-	26,26,26,26	0
55	MG	2A	3803	1/1	0.80	0.20	-	47,47,47,47	0
55	MG	2A	3413	1/1	0.97	0.12	-	70,70,70,70	0
55	MG	2A	3427	1/1	0.81	0.40	-	81,81,81,81	0
55	MG	2A	3650	1/1	0.83	0.33	-	57,57,57,57	0
55	MG	1A	3757	1/1	0.73	0.40	-	59,59,59,59	0
55	MG	2A	3171	1/1	0.95	0.34	-	45,45,45,45	0
55	MG	1A	3136	1/1	0.92	0.62	-	42,42,42,42	0
55	MG	1A	3505	1/1	0.86	0.36	-	50,50,50,50	0
55	MG	1A	3576	1/1	0.89	0.15	-	77,77,77,77	0
55	MG	2A	3440	1/1	0.92	0.11	-	78,78,78,78	0
55	MG	2A	3130	1/1	0.80	0.40	-	66,66,66,66	0
55	MG	2A	3141	1/1	0.77	0.48	-	51,51,51,51	0
55	MG	1A	3443	1/1	0.88	0.25	-	59,59,59,59	0
55	MG	1a	3074	1/1	0.78	0.47	-	70,70,70,70	0
55	MG	2a	1661	1/1	0.91	0.17	-	74,74,74,74	0
55	MG	2a	1648	1/1	0.86	0.07	-	82,82,82,82	0
55	MG	1a	3178	1/1	0.96	0.07	-	70,70,70,70	0
55	MG	2a	1730	1/1	0.85	0.12	-	84,84,84,84	0
55	MG	1a	3124	1/1	0.87	0.30	-	88,88,88,88	0
55	MG	2A	3155	1/1	0.92	0.65	-	42,42,42,42	0
55	MG	1A	3750	1/1	0.93	0.20	-	55,55,55,55	0
55	MG	1a	3183	1/1	0.89	0.15	-	82,82,82,82	0
55	MG	2A	3098	1/1	0.87	0.22	-	60,60,60,60	0
55	MG	1a	3207	1/1	0.98	0.18	-	77,77,77,77	0
55	MG	2a	1618	1/1	0.88	0.56	-	66,66,66,66	0
55	MG	1A	3683	1/1	0.83	0.17	-	50,50,50,50	0
55	MG	2A	3535	1/1	0.93	0.08	-	67,67,67,67	0
55	MG	1A	3291	1/1	0.96	0.09	-	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3068	1/1	0.91	0.51	-	41,41,41,41	0
55	MG	2A	3736	1/1	0.87	0.14	-	88,88,88,88	0
55	MG	1A	3501	1/1	0.80	0.20	-	58,58,58,58	0
55	MG	1A	3206	1/1	0.89	0.27	-	42,42,42,42	0
55	MG	1A	3552	1/1	0.85	0.19	-	64,64,64,64	0
55	MG	1A	3488	1/1	0.91	0.21	-	64,64,64,64	0
55	MG	2A	3091	1/1	0.89	0.22	-	52,52,52,52	0
55	MG	1A	3236	1/1	0.83	0.26	-	53,53,53,53	0
55	MG	1A	3204	1/1	0.89	0.29	-	43,43,43,43	0
55	MG	2A	3531	1/1	0.94	0.09	-	78,78,78,78	0
55	MG	1A	3544	1/1	0.96	0.27	-	30,30,30,30	0
55	MG	1A	3308	1/1	0.90	0.29	-	38,38,38,38	0
55	MG	1A	3364	1/1	0.98	0.12	-	26,26,26,26	0
55	MG	2A	3064	1/1	0.96	0.62	-	54,54,54,54	0
55	MG	1a	3126	1/1	0.99	0.17	-	74,74,74,74	0
55	MG	1A	3907	1/1	0.83	0.41	-	58,58,58,58	0
55	MG	1A	3593	1/1	0.91	0.05	-	63,63,63,63	0
55	MG	1A	3463	1/1	0.95	0.30	-	60,60,60,60	0
55	MG	2A	3075	1/1	0.75	0.30	-	49,49,49,49	0
55	MG	1a	3080	1/1	0.95	0.16	-	67,67,67,67	0
55	MG	1A	3555	1/1	0.96	0.11	-	28,28,28,28	0
55	MG	1A	3712	1/1	0.56	0.23	-	96,96,96,96	0
55	MG	2A	3081	1/1	0.95	0.30	-	39,39,39,39	0
55	MG	1A	3469	1/1	0.94	0.15	-	62,62,62,62	0
55	MG	2a	1763	1/1	0.94	0.10	-	55,55,55,55	0
55	MG	1A	3218	1/1	0.84	0.21	-	53,53,53,53	0
55	MG	1A	3768	1/1	0.95	0.07	-	58,58,58,58	0
55	MG	1B	220	1/1	0.64	0.22	-	57,57,57,57	0
55	MG	2A	3206	1/1	0.95	0.10	-	64,64,64,64	0
55	MG	1A	3315	1/1	0.84	0.07	-	74,74,74,74	0
55	MG	2A	3598	1/1	0.93	0.13	-	70,70,70,70	0
55	MG	2a	1785	1/1	0.85	0.16	-	83,83,83,83	0
55	MG	1A	3545	1/1	0.91	0.23	-	30,30,30,30	0
55	MG	1a	3055	1/1	0.90	0.33	-	44,44,44,44	0
55	MG	1A	3913	1/1	0.91	0.40	-	64,64,64,64	0
55	MG	1A	3530	1/1	0.71	0.17	-	63,63,63,63	0
55	MG	2g	3001	1/1	0.84	0.17	-	75,75,75,75	0
55	MG	1A	3676	1/1	0.93	0.13	-	57,57,57,57	0
55	MG	2a	1678	1/1	0.93	0.19	-	75,75,75,75	0
55	MG	2A	3148	1/1	0.75	0.29	-	72,72,72,72	0
55	MG	1A	3915	1/1	0.94	0.29	-	64,64,64,64	0
55	MG	2a	1758	1/1	0.95	0.08	-	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3082	1/1	0.97	0.28	-	60,60,60,60	0
55	MG	2A	3556	1/1	0.90	0.15	-	63,63,63,63	0
55	MG	2a	1623	1/1	0.96	0.64	-	60,60,60,60	0
55	MG	2A	3764	1/1	0.92	0.12	-	80,80,80,80	0
55	MG	2A	3011	1/1	0.80	0.39	-	57,57,57,57	0
55	MG	1A	3592	1/1	0.94	0.16	-	27,27,27,27	0
55	MG	2a	1626	1/1	0.94	0.48	-	68,68,68,68	0
55	MG	1A	3317	1/1	0.98	0.26	-	38,38,38,38	0
55	MG	1A	3648	1/1	0.92	0.18	-	33,33,33,33	0
55	MG	1A	3051	1/1	0.90	0.17	-	35,35,35,35	0
55	MG	1B	213	1/1	0.89	0.08	-	54,54,54,54	0
55	MG	1A	3827	1/1	0.97	0.09	-	69,69,69,69	0
55	MG	1A	3138	1/1	0.86	0.28	-	57,57,57,57	0
55	MG	2A	3219	1/1	0.94	0.13	-	64,64,64,64	0
55	MG	2A	3677	1/1	0.95	0.18	-	48,48,48,48	0
55	MG	1A	3145	1/1	0.92	0.14	-	60,60,60,60	0
55	MG	2a	1708	1/1	0.81	0.11	-	89,89,89,89	0
55	MG	2a	1615	1/1	0.86	1.43	-	78,78,78,78	0
55	MG	2A	3488	1/1	0.86	0.17	-	75,75,75,75	0
55	MG	1A	3722	1/1	0.90	0.08	-	50,50,50,50	0
55	MG	1A	3467	1/1	0.92	0.22	-	59,59,59,59	0
55	MG	1A	3041	1/1	0.93	0.23	-	63,63,63,63	0
55	MG	2a	1789	1/1	0.90	0.51	-	82,82,82,82	0
55	MG	1A	3736	1/1	0.98	0.08	-	20,20,20,20	0
55	MG	1A	3349	1/1	0.96	0.37	-	62,62,62,62	0
55	MG	1A	3240	1/1	0.81	0.31	-	42,42,42,42	0
55	MG	1A	3086	1/1	0.98	0.09	-	55,55,55,55	0
55	MG	1A	3535	1/1	0.98	0.28	-	38,38,38,38	0
55	MG	2D	301	1/1	0.94	0.60	-	49,49,49,49	0
55	MG	1A	3101	1/1	0.81	0.50	-	55,55,55,55	0
55	MG	1a	3175	1/1	0.77	0.17	-	87,87,87,87	0
55	MG	2a	1703	1/1	0.97	0.08	-	60,60,60,60	0
55	MG	2A	3796	1/1	0.98	0.12	-	78,78,78,78	0
55	MG	1A	3657	1/1	0.91	0.33	-	45,45,45,45	0
55	MG	1a	3015	1/1	0.98	0.28	-	71,71,71,71	0
55	MG	1D	314	1/1	0.95	0.29	-	77,77,77,77	0
55	MG	2A	3685	1/1	0.99	0.37	-	55,55,55,55	0
55	MG	1A	3621	1/1	0.90	0.13	-	58,58,58,58	0
55	MG	1A	3305	1/1	0.98	0.05	-	68,68,68,68	0
55	MG	2A	3741	1/1	0.98	0.05	-	70,70,70,70	0
55	MG	1a	3067	1/1	0.93	0.06	-	66,66,66,66	0
55	MG	2A	3735	1/1	0.94	0.15	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3167	1/1	0.92	0.59	-	56,56,56,56	0
55	MG	1A	3160	1/1	0.88	0.25	-	52,52,52,52	0
55	MG	2a	1777	1/1	0.90	0.05	-	85,85,85,85	0
55	MG	2A	3734	1/1	0.94	0.04	-	67,67,67,67	0
55	MG	2a	1610	1/1	0.85	0.91	-	70,70,70,70	0
55	MG	2A	3792	1/1	0.94	0.14	-	77,77,77,77	0
55	MG	2A	3326	1/1	0.83	0.13	-	69,69,69,69	0
55	MG	1H	8002	1/1	0.92	0.17	-	58,58,58,58	0
55	MG	2P	201	1/1	0.81	0.32	-	67,67,67,67	0
55	MG	2A	3210	1/1	0.96	0.14	-	44,44,44,44	0
55	MG	2a	1659	1/1	0.78	0.12	-	76,76,76,76	0
55	MG	1A	3510	1/1	0.97	0.38	-	44,44,44,44	0
55	MG	2A	3157	1/1	0.88	0.24	-	63,63,63,63	0
55	MG	1U	203	1/1	0.90	0.16	-	51,51,51,51	0
55	MG	1A	3171	1/1	0.77	0.30	-	48,48,48,48	0
55	MG	1A	3797	1/1	0.96	0.12	-	50,50,50,50	0
55	MG	1A	3318	1/1	0.97	0.11	-	70,70,70,70	0
55	MG	1A	3425	1/1	0.92	0.10	-	46,46,46,46	0
55	MG	2a	1736	1/1	0.95	0.31	-	74,74,74,74	0
55	MG	1A	3713	1/1	0.95	0.14	-	75,75,75,75	0
55	MG	2A	3462	1/1	0.84	0.18	-	62,62,62,62	0
55	MG	1a	3212	1/1	0.96	0.05	-	56,56,56,56	0
55	MG	2A	3435	1/1	0.99	0.06	-	71,71,71,71	0
55	MG	1A	3016	1/1	0.94	0.28	-	18,18,18,18	0
55	MG	2A	3193	1/1	0.91	0.08	-	80,80,80,80	0
55	MG	2A	3543	1/1	0.96	0.04	-	85,85,85,85	0
55	MG	1A	3060	1/1	0.95	0.25	-	38,38,38,38	0
55	MG	1A	3664	1/1	0.97	0.24	-	48,48,48,48	0
55	MG	1A	3147	1/1	0.81	0.21	-	62,62,62,62	0
55	MG	2A	3380	1/1	0.82	0.10	-	83,83,83,83	0
55	MG	1A	3828	1/1	0.95	0.18	-	70,70,70,70	0
55	MG	1A	3816	1/1	0.79	0.25	-	72,72,72,72	0
55	MG	1A	3326	1/1	0.98	0.11	-	28,28,28,28	0
55	MG	1A	3557	1/1	0.98	0.22	-	29,29,29,29	0
55	MG	2A	3458	1/1	0.85	0.12	-	74,74,74,74	0
55	MG	2A	3151	1/1	0.77	0.96	-	50,50,50,50	0
55	MG	2A	3253	1/1	0.93	0.08	-	66,66,66,66	0
55	MG	1A	3703	1/1	0.95	0.10	-	42,42,42,42	0
55	MG	2A	3455	1/1	0.88	0.24	-	68,68,68,68	0
55	MG	2A	3747	1/1	0.92	0.10	-	78,78,78,78	0
55	MG	1A	3163	1/1	0.90	0.23	-	69,69,69,69	0
55	MG	2A	3236	1/1	0.88	0.09	-	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3093	1/1	0.76	0.24	-	41,41,41,41	0
55	MG	1a	3085	1/1	0.97	0.32	-	66,66,66,66	0
55	MG	2A	3552	1/1	0.89	0.55	-	57,57,57,57	0
55	MG	1a	3026	1/1	0.92	0.29	-	64,64,64,64	0
55	MG	1A	3209	1/1	0.82	0.42	-	49,49,49,49	0
55	MG	2A	3583	1/1	0.86	0.11	-	72,72,72,72	0
55	MG	1F	311	1/1	0.90	0.21	-	67,67,67,67	0
55	MG	1A	3681	1/1	0.95	0.24	-	57,57,57,57	0
55	MG	2A	3323	1/1	0.97	0.10	-	59,59,59,59	0
55	MG	1A	3339	1/1	0.96	0.11	-	23,23,23,23	0
55	MG	2A	3316	1/1	0.92	0.26	-	69,69,69,69	0
55	MG	1A	3641	1/1	0.96	0.12	-	41,41,41,41	0
55	MG	1A	3782	1/1	0.90	0.14	-	59,59,59,59	0
55	MG	2a	1680	1/1	0.95	0.08	-	63,63,63,63	0
55	MG	1A	3779	1/1	0.97	0.04	-	57,57,57,57	0
55	MG	2a	1663	1/1	0.94	0.20	-	64,64,64,64	0
55	MG	2A	3554	1/1	0.49	0.75	-	62,62,62,62	0
55	MG	10	101	1/1	0.78	0.40	-	51,51,51,51	0
55	MG	1A	3411	1/1	0.96	0.04	-	48,48,48,48	0
55	MG	1a	3177	1/1	0.99	0.05	-	75,75,75,75	0
55	MG	2A	3101	1/1	0.76	0.25	-	66,66,66,66	0
55	MG	2A	3184	1/1	0.86	0.61	-	57,57,57,57	0
55	MG	2A	3245	1/1	0.98	0.28	-	35,35,35,35	0
55	MG	1a	3202	1/1	0.95	0.06	-	53,53,53,53	0
55	MG	2a	1714	1/1	0.78	0.34	-	73,73,73,73	0
55	MG	1A	3417	1/1	0.97	0.15	-	37,37,37,37	0
55	MG	2A	3610	1/1	0.64	0.10	-	82,82,82,82	0
55	MG	2A	3524	1/1	0.89	0.10	-	47,47,47,47	0
55	MG	1a	3034	1/1	0.93	0.32	-	74,74,74,74	0
55	MG	1a	3060	1/1	0.92	0.38	-	74,74,74,74	0
55	MG	2A	3391	1/1	0.98	0.21	-	38,38,38,38	0
55	MG	1A	3450	1/1	0.94	0.34	-	71,71,71,71	0
55	MG	2A	3397	1/1	0.93	0.14	-	83,83,83,83	0
55	MG	2a	1674	1/1	0.97	0.16	-	71,71,71,71	0
55	MG	2A	3671	1/1	0.81	0.13	-	76,76,76,76	0
55	MG	1A	3533	1/1	0.96	0.16	-	41,41,41,41	0
55	MG	2A	3787	1/1	0.78	0.18	-	84,84,84,84	0
55	MG	1A	3690	1/1	0.93	0.14	-	21,21,21,21	0
55	MG	1A	3246	1/1	0.81	0.11	-	87,87,87,87	0
55	MG	2A	3738	1/1	0.95	0.06	-	62,62,62,62	0
55	MG	1A	3395	1/1	0.93	0.05	-	68,68,68,68	0
55	MG	2A	3679	1/1	0.95	0.05	-	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3477	1/1	0.83	0.16	-	40,40,40,40	0
55	MG	2A	3549	1/1	0.47	0.45	-	72,72,72,72	0
55	MG	2A	3216	1/1	0.97	0.13	-	37,37,37,37	0
55	MG	1A	3084	1/1	0.90	0.53	-	43,43,43,43	0
55	MG	1A	3335	1/1	0.99	0.13	-	42,42,42,42	0
55	MG	2A	3102	1/1	0.89	0.35	-	55,55,55,55	0
55	MG	2A	3502	1/1	0.89	0.49	-	69,69,69,69	0
55	MG	1A	3172	1/1	0.89	0.55	-	58,58,58,58	0
55	MG	1A	3780	1/1	0.95	0.55	-	34,34,34,34	0
55	MG	1A	3616	1/1	0.95	0.08	-	63,63,63,63	0
55	MG	2A	3523	1/1	0.88	0.07	-	65,65,65,65	0
55	MG	1A	3437	1/1	0.97	0.08	-	66,66,66,66	0
55	MG	2a	1684	1/1	0.96	0.18	-	64,64,64,64	0
55	MG	1a	3066	1/1	0.77	0.11	-	75,75,75,75	0
55	MG	1A	3064	1/1	0.91	0.36	-	59,59,59,59	0
55	MG	2a	1779	1/1	0.91	0.20	-	85,85,85,85	0
55	MG	1A	3272	1/1	0.96	0.19	-	23,23,23,23	0
55	MG	2A	3588	1/1	0.90	0.17	-	66,66,66,66	0
55	MG	1A	3013	1/1	0.87	0.16	-	62,62,62,62	0
55	MG	2I	102	1/1	0.82	0.18	-	66,66,66,66	0
55	MG	1A	3921	1/1	0.90	0.43	-	40,40,40,40	0
55	MG	2a	1637	1/1	0.88	0.43	-	87,87,87,87	0
55	MG	1A	3573	1/1	0.96	0.21	-	21,21,21,21	0
55	MG	1a	3070	1/1	0.85	0.31	-	60,60,60,60	0
55	MG	1A	3909	1/1	0.91	0.28	-	38,38,38,38	0
55	MG	2A	3692	1/1	0.96	0.06	-	53,53,53,53	0
55	MG	1A	3916	1/1	0.95	0.82	-	49,49,49,49	0
55	MG	2A	3624	1/1	0.91	0.37	-	55,55,55,55	0
55	MG	1A	3622	1/1	0.80	0.25	-	71,71,71,71	0
55	MG	2B	3009	1/1	0.94	0.12	-	79,79,79,79	0
55	MG	1A	3037	1/1	0.92	0.10	-	51,51,51,51	0
55	MG	1A	3490	1/1	0.94	0.20	-	50,50,50,50	0
55	MG	1A	3457	1/1	0.90	0.45	-	70,70,70,70	0
55	MG	1A	3161	1/1	0.90	0.67	-	38,38,38,38	0
55	MG	1B	222	1/1	0.67	0.10	-	78,78,78,78	0
55	MG	1A	3108	1/1	0.96	0.20	-	32,32,32,32	0
55	MG	1A	3406	1/1	0.87	0.20	-	37,37,37,37	0
55	MG	2A	3754	1/1	0.79	0.18	-	85,85,85,85	0
55	MG	1A	3239	1/1	0.87	0.44	-	50,50,50,50	0
55	MG	1A	3696	1/1	0.97	0.15	-	25,25,25,25	0
55	MG	2A	3051	1/1	0.89	0.39	-	53,53,53,53	0
55	MG	1F	301	1/1	0.79	0.19	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3124	1/1	0.91	0.96	-	53,53,53,53	0
55	MG	1A	3056	1/1	0.94	0.22	-	47,47,47,47	0
55	MG	1A	3245	1/1	0.84	0.10	-	74,74,74,74	0
55	MG	1B	223	1/1	0.96	0.29	-	61,61,61,61	0
55	MG	1A	3766	1/1	0.75	0.08	-	58,58,58,58	0
55	MG	1A	3142	1/1	0.83	0.49	-	43,43,43,43	0
55	MG	1a	3112	1/1	0.96	0.23	-	85,85,85,85	0
55	MG	1A	3652	1/1	0.93	0.08	-	67,67,67,67	0
55	MG	1A	3438	1/1	0.96	0.18	-	61,61,61,61	0
55	MG	1A	3634	1/1	0.94	0.12	-	44,44,44,44	0
55	MG	1A	3802	1/1	0.91	0.08	-	41,41,41,41	0
55	MG	2a	1740	1/1	0.89	0.05	-	73,73,73,73	0
55	MG	1A	3891	1/1	0.95	0.10	-	84,84,84,84	0
55	MG	1A	3582	1/1	0.99	0.11	-	40,40,40,40	0
55	MG	1A	3619	1/1	0.96	0.19	-	44,44,44,44	0
55	MG	2A	3635	1/1	0.63	0.23	-	97,97,97,97	0
55	MG	1A	3730	1/1	0.89	0.10	-	75,75,75,75	0
55	MG	2A	3632	1/1	0.92	0.37	-	94,94,94,94	0
55	MG	2A	3479	1/1	0.82	0.12	-	73,73,73,73	0
55	MG	1A	3131	1/1	0.79	0.19	-	44,44,44,44	0
55	MG	1A	3286	1/1	0.99	0.16	-	25,25,25,25	0
55	MG	2A	3403	1/1	0.90	0.05	-	67,67,67,67	0
55	MG	2A	3305	1/1	0.79	0.09	-	52,52,52,52	0
55	MG	1A	3849	1/1	0.81	0.23	-	86,86,86,86	0
55	MG	2F	309	1/1	0.84	0.14	-	72,72,72,72	0
55	MG	1A	3609	1/1	0.60	0.41	-	63,63,63,63	0
55	MG	1A	3043	1/1	0.94	0.31	-	13,13,13,13	0
55	MG	1A	3745	1/1	0.94	0.16	-	30,30,30,30	0
55	MG	1A	3110	1/1	0.91	0.29	-	41,41,41,41	0
55	MG	2a	1696	1/1	0.81	0.07	-	78,78,78,78	0
55	MG	1A	3865	1/1	0.88	0.11	-	82,82,82,82	0
55	MG	1A	3099	1/1	0.95	0.27	-	62,62,62,62	0
55	MG	1A	3853	1/1	0.86	0.09	-	22,22,22,22	0
55	MG	1A	3253	1/1	0.84	0.38	-	63,63,63,63	0
55	MG	1A	3372	1/1	0.91	0.12	-	68,68,68,68	0
55	MG	1a	3069	1/1	0.75	0.27	-	65,65,65,65	0
55	MG	1A	3747	1/1	0.91	0.14	-	66,66,66,66	0
55	MG	1A	3709	1/1	0.94	0.08	-	50,50,50,50	0
55	MG	2A	3773	1/1	0.60	0.10	-	81,81,81,81	0
55	MG	2A	3021	1/1	0.90	0.26	-	50,50,50,50	0
55	MG	1A	3608	1/1	0.65	0.18	-	76,76,76,76	0
55	MG	2A	3618	1/1	0.95	0.28	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1671	1/1	0.90	0.16	-	80,80,80,80	0
55	MG	1A	3647	1/1	0.79	0.05	-	85,85,85,85	0
55	MG	1A	3893	1/1	0.91	0.25	-	66,66,66,66	0
55	MG	1B	202	1/1	0.96	0.21	-	60,60,60,60	0
55	MG	2A	3810	1/1	0.58	0.14	-	68,68,68,68	0
55	MG	2A	3049	1/1	0.65	1.62	-	76,76,76,76	0
55	MG	1A	3618	1/1	0.98	0.07	-	51,51,51,51	0
55	MG	1a	3157	1/1	0.80	0.11	-	75,75,75,75	0
55	MG	2A	3443	1/1	0.94	0.16	-	33,33,33,33	0
55	MG	1a	3005	1/1	0.75	0.18	-	67,67,67,67	0
55	MG	1A	3632	1/1	0.81	0.28	-	53,53,53,53	0
55	MG	2A	3709	1/1	0.94	0.12	-	49,49,49,49	0
55	MG	2A	3628	1/1	0.97	0.21	-	57,57,57,57	0
55	MG	1A	3038	1/1	0.89	0.21	-	50,50,50,50	0
55	MG	2a	1772	1/1	0.92	0.11	-	81,81,81,81	0
55	MG	2a	1607	1/1	0.85	0.85	-	73,73,73,73	0
55	MG	1A	3663	1/1	0.94	0.21	-	68,68,68,68	0
55	MG	1A	3494	1/1	0.97	0.09	-	48,48,48,48	0
55	MG	1A	3504	1/1	0.89	0.11	-	66,66,66,66	0
55	MG	1A	3300	1/1	0.97	0.11	-	43,43,43,43	0
55	MG	1A	3208	1/1	0.93	0.12	-	70,70,70,70	0
55	MG	1a	3168	1/1	0.57	0.07	-	75,75,75,75	0
55	MG	2A	3424	1/1	0.77	0.20	-	76,76,76,76	0
55	MG	1B	210	1/1	0.94	0.21	-	60,60,60,60	0
55	MG	2A	3802	1/1	0.82	0.64	-	75,75,75,75	0
55	MG	1A	3213	1/1	0.59	0.49	-	56,56,56,56	0
55	MG	2A	3774	1/1	0.82	0.22	-	81,81,81,81	0
55	MG	2A	3287	1/1	0.99	0.20	-	57,57,57,57	0
55	MG	1A	3046	1/1	0.94	0.23	-	13,13,13,13	0
55	MG	1A	3234	1/1	0.88	0.26	-	43,43,43,43	0
55	MG	1A	3017	1/1	0.93	0.25	-	31,31,31,31	0
55	MG	1B	225	1/1	0.86	0.31	-	68,68,68,68	0
55	MG	1A	3805	1/1	0.74	0.13	-	72,72,72,72	0
55	MG	2B	3016	1/1	0.88	0.28	-	81,81,81,81	0
55	MG	1A	3721	1/1	0.64	0.24	-	71,71,71,71	0
55	MG	1A	3743	1/1	0.96	0.04	-	58,58,58,58	0
55	MG	2A	3036	1/1	0.96	0.49	-	38,38,38,38	0
55	MG	2A	3030	1/1	0.84	0.24	-	66,66,66,66	0
55	MG	2A	3255	1/1	0.73	0.39	-	67,67,67,67	0
55	MG	1A	3404	1/1	0.89	0.14	-	62,62,62,62	0
55	MG	1a	3061	1/1	0.95	0.23	-	66,66,66,66	0
55	MG	1A	3054	1/1	0.88	0.21	-	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3396	1/1	0.76	0.30	-	40,40,40,40	0
55	MG	2A	3658	1/1	0.85	0.27	-	76,76,76,76	0
55	MG	1A	3261	1/1	0.97	0.18	-	17,17,17,17	0
55	MG	1A	3168	1/1	0.91	0.25	-	56,56,56,56	0
55	MG	2A	3330	1/1	0.97	0.12	-	45,45,45,45	0
55	MG	1A	3569	1/1	0.98	0.42	-	48,48,48,48	0
55	MG	2A	3574	1/1	0.65	0.32	-	99,99,99,99	0
55	MG	2F	303	1/1	0.80	0.31	-	57,57,57,57	0
55	MG	1A	3824	1/1	0.80	0.16	-	57,57,57,57	0
55	MG	2A	3506	1/1	0.48	0.49	-	72,72,72,72	0
55	MG	1A	3008	1/1	0.95	0.24	-	48,48,48,48	0
55	MG	2A	3639	1/1	0.97	0.20	-	79,79,79,79	0
55	MG	1A	3604	1/1	0.97	0.06	-	59,59,59,59	0
55	MG	2A	3237	1/1	0.95	0.13	-	45,45,45,45	0
55	MG	1a	3139	1/1	0.88	0.27	-	67,67,67,67	0
55	MG	1A	3519	1/1	0.92	0.22	-	52,52,52,52	0
55	MG	1A	3398	1/1	0.97	0.23	-	66,66,66,66	0
55	MG	1A	3832	1/1	0.71	0.09	-	72,72,72,72	0
55	MG	1A	3870	1/1	0.87	0.34	-	54,54,54,54	0
55	MG	1A	3885	1/1	0.91	0.20	-	33,33,33,33	0
55	MG	1A	3846	1/1	0.95	0.14	-	53,53,53,53	0
55	MG	2A	3117	1/1	0.94	0.20	-	56,56,56,56	0
55	MG	1A	3165	1/1	0.95	0.36	-	41,41,41,41	0
55	MG	1E	303	1/1	0.69	0.28	-	64,64,64,64	0
55	MG	1a	3101	1/1	0.93	0.12	-	46,46,46,46	0
55	MG	1A	3872	1/1	0.94	0.11	-	32,32,32,32	0
55	MG	2A	3483	1/1	0.93	0.27	-	44,44,44,44	0
55	MG	1a	3062	1/1	0.96	0.59	-	81,81,81,81	0
55	MG	2A	3561	1/1	0.95	0.07	-	82,82,82,82	0
55	MG	2A	3040	1/1	0.93	0.17	-	53,53,53,53	0
55	MG	2A	3799	1/1	0.92	0.26	-	97,97,97,97	0
55	MG	2A	3536	1/1	0.87	0.15	-	62,62,62,62	0
55	MG	1A	3566	1/1	0.85	0.18	-	70,70,70,70	0
55	MG	1A	3711	1/1	0.91	0.14	-	63,63,63,63	0
55	MG	1A	3133	1/1	0.91	0.12	-	62,62,62,62	0
55	MG	2A	3436	1/1	0.94	0.11	-	82,82,82,82	0
55	MG	1A	3366	1/1	0.98	0.24	-	31,31,31,31	0
55	MG	2a	1635	1/1	0.90	0.58	-	81,81,81,81	0
55	MG	1A	3014	1/1	0.92	0.39	-	41,41,41,41	0
55	MG	2A	3077	1/1	0.85	0.33	-	58,58,58,58	0
55	MG	1A	3546	1/1	0.88	0.23	-	40,40,40,40	0
55	MG	2A	3142	1/1	0.86	0.79	-	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3541	1/1	0.91	0.13	-	85,85,85,85	0
55	MG	1A	3668	1/1	0.91	0.51	-	63,63,63,63	0
55	MG	1A	3585	1/1	0.99	0.09	-	49,49,49,49	0
55	MG	1A	3329	1/1	0.93	0.10	-	30,30,30,30	0
55	MG	2a	1783	1/1	0.96	0.07	-	59,59,59,59	0
55	MG	2a	1672	1/1	0.94	0.04	-	75,75,75,75	0
55	MG	1A	3401	1/1	0.94	0.11	-	43,43,43,43	0
55	MG	2A	3166	1/1	0.85	0.29	-	54,54,54,54	0
55	MG	2A	3449	1/1	0.98	0.17	-	34,34,34,34	0
55	MG	1A	3588	1/1	0.89	0.07	-	41,41,41,41	0
55	MG	2A	3580	1/1	0.96	0.12	-	71,71,71,71	0
55	MG	2A	3516	1/1	0.98	0.09	-	59,59,59,59	0
55	MG	1A	3226	1/1	0.76	0.28	-	31,31,31,31	0
55	MG	2A	3127	1/1	0.88	0.18	-	76,76,76,76	0
55	MG	2a	1676	1/1	0.88	0.14	-	65,65,65,65	0
55	MG	2A	3014	1/1	0.95	0.77	-	58,58,58,58	0
55	MG	2A	3192	1/1	0.84	0.61	-	64,64,64,64	0
55	MG	2a	1723	1/1	0.90	0.21	-	98,98,98,98	0
55	MG	11	102	1/1	0.86	0.20	-	56,56,56,56	0
55	MG	1A	3190	1/1	0.86	0.18	-	72,72,72,72	0
55	MG	2A	3666	1/1	0.90	0.07	-	63,63,63,63	0
55	MG	2a	1737	1/1	0.84	0.79	-	87,87,87,87	0
55	MG	1A	3073	1/1	0.87	0.18	-	44,44,44,44	0
55	MG	2A	3158	1/1	0.91	0.73	-	56,56,56,56	0
55	MG	2A	3593	1/1	0.89	0.22	-	72,72,72,72	0
55	MG	2A	3230	1/1	0.97	0.18	-	44,44,44,44	0
55	MG	2A	3530	1/1	0.95	0.12	-	71,71,71,71	0
55	MG	1A	3550	1/1	0.81	0.38	-	47,47,47,47	0
55	MG	2A	3162	1/1	0.83	0.72	-	79,79,79,79	0
55	MG	1Q	202	1/1	0.96	0.28	-	51,51,51,51	0
55	MG	2A	3409	1/1	0.93	0.10	-	88,88,88,88	0
55	MG	2a	1665	1/1	0.93	0.34	-	65,65,65,65	0
55	MG	1A	3612	1/1	0.93	0.11	-	77,77,77,77	0
55	MG	2A	3187	1/1	0.94	0.17	-	41,41,41,41	0
55	MG	1a	3109	1/1	0.94	0.29	-	60,60,60,60	0
55	MG	1a	3174	1/1	0.89	0.11	-	70,70,70,70	0
55	MG	2a	1605	1/1	0.98	0.08	-	53,53,53,53	0
55	MG	1A	3706	1/1	0.85	0.37	-	70,70,70,70	0
55	MG	2A	3080	1/1	0.89	0.24	-	66,66,66,66	0
55	MG	1A	3810	1/1	0.96	0.05	-	63,63,63,63	0
55	MG	1A	3067	1/1	0.91	0.73	-	47,47,47,47	0
55	MG	1A	3883	1/1	0.91	0.06	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1716	1/1	0.95	0.22	-	75,75,75,75	0
55	MG	2A	3132	1/1	0.80	0.70	-	68,68,68,68	0
55	MG	1a	3095	1/1	0.96	0.29	-	63,63,63,63	0
55	MG	1A	3492	1/1	0.95	0.21	-	68,68,68,68	0
55	MG	1A	3405	1/1	0.92	0.08	-	59,59,59,59	0
55	MG	1A	3270	1/1	0.86	0.32	-	60,60,60,60	0
55	MG	2A	3031	1/1	0.96	0.15	-	64,64,64,64	0
55	MG	1A	3148	1/1	0.85	0.47	-	48,48,48,48	0
55	MG	2e	202	1/1	0.86	0.30	-	73,73,73,73	0
55	MG	2B	3010	1/1	0.95	0.05	-	73,73,73,73	0
55	MG	2A	3519	1/1	0.74	0.17	-	68,68,68,68	0
55	MG	2A	3673	1/1	0.87	0.22	-	70,70,70,70	0
55	MG	2A	3597	1/1	0.95	0.10	-	47,47,47,47	0
55	MG	2A	3471	1/1	0.93	0.10	-	72,72,72,72	0
55	MG	2a	1650	1/1	0.90	0.09	-	84,84,84,84	0
55	MG	2A	3785	1/1	0.79	0.09	-	53,53,53,53	0
55	MG	2A	3233	1/1	0.93	0.19	-	48,48,48,48	0
55	MG	2a	1651	1/1	0.88	0.73	-	61,61,61,61	0
55	MG	1A	3248	1/1	0.98	0.12	-	21,21,21,21	0
55	MG	1A	3482	1/1	0.81	0.26	-	64,64,64,64	0
55	MG	2a	1642	1/1	0.87	0.15	-	82,82,82,82	0
55	MG	1A	3233	1/1	0.94	0.21	-	49,49,49,49	0
55	MG	2A	3445	1/1	0.87	0.39	-	61,61,61,61	0
55	MG	20	105	1/1	0.89	0.24	-	80,80,80,80	0
55	MG	2A	3321	1/1	0.97	0.05	-	65,65,65,65	0
55	MG	2A	3008	1/1	0.79	0.36	-	68,68,68,68	0
55	MG	2a	1700	1/1	0.98	0.15	-	68,68,68,68	0
55	MG	2A	3061	1/1	0.93	0.81	-	71,71,71,71	0
55	MG	1A	3089	1/1	0.87	0.18	-	48,48,48,48	0
55	MG	1A	3880	1/1	0.75	0.10	-	73,73,73,73	0
55	MG	2A	3520	1/1	0.88	0.15	-	70,70,70,70	0
55	MG	2A	3113	1/1	0.59	0.22	-	66,66,66,66	0
55	MG	2a	1624	1/1	0.73	0.13	-	78,78,78,78	0
55	MG	1A	3518	1/1	0.87	0.22	-	71,71,71,71	0
55	MG	2A	3375	1/1	0.99	0.16	-	31,31,31,31	0
55	MG	1A	3753	1/1	0.96	0.05	-	50,50,50,50	0
55	MG	1A	3378	1/1	0.97	0.17	-	47,47,47,47	0
55	MG	1A	3175	1/1	0.98	0.17	-	47,47,47,47	0
55	MG	2A	3231	1/1	0.92	0.16	-	74,74,74,74	0
55	MG	2A	3335	1/1	0.94	0.11	-	70,70,70,70	0
55	MG	1A	3689	1/1	0.90	0.16	-	62,62,62,62	0
55	MG	2A	3328	1/1	0.98	0.18	-	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1735	1/1	0.90	0.15	-	74,74,74,74	0
55	MG	1A	3083	1/1	0.98	0.06	-	50,50,50,50	0
55	MG	2a	1767	1/1	0.89	0.09	-	74,74,74,74	0
55	MG	1A	3821	1/1	0.93	0.13	-	64,64,64,64	0
55	MG	1A	3661	1/1	0.73	0.11	-	55,55,55,55	0
55	MG	2h	3002	1/1	0.86	0.24	-	77,77,77,77	0
55	MG	2A	3425	1/1	0.92	0.25	-	67,67,67,67	0
55	MG	1A	3143	1/1	0.81	0.45	-	69,69,69,69	0
55	MG	2A	3135	1/1	0.99	0.20	-	71,71,71,71	0
55	MG	2A	3599	1/1	0.87	0.10	-	78,78,78,78	0
55	MG	2A	3457	1/1	0.76	0.16	-	77,77,77,77	0
55	MG	1a	3102	1/1	0.93	0.09	-	48,48,48,48	0
55	MG	2a	1711	1/1	0.94	0.94	-	82,82,82,82	0
55	MG	2A	3659	1/1	0.96	0.08	-	73,73,73,73	0
55	MG	2A	3270	1/1	0.98	0.10	-	45,45,45,45	0
55	MG	1a	3092	1/1	0.91	0.08	-	86,86,86,86	0
55	MG	2A	3090	1/1	0.38	0.34	-	78,78,78,78	0
55	MG	19	103	1/1	0.92	0.19	-	63,63,63,63	0
55	MG	2A	3715	1/1	0.95	0.07	-	63,63,63,63	0
55	MG	1a	3043	1/1	0.92	0.59	-	66,66,66,66	0
55	MG	1A	3387	1/1	0.99	0.21	-	47,47,47,47	0
55	MG	2A	3476	1/1	0.92	0.16	-	67,67,67,67	0
55	MG	1A	3627	1/1	0.96	0.16	-	49,49,49,49	0
55	MG	1A	3117	1/1	0.96	0.09	-	61,61,61,61	0
55	MG	25	104	1/1	0.87	0.15	-	83,83,83,83	0
55	MG	2a	1617	1/1	0.94	0.21	-	67,67,67,67	0
55	MG	1A	3667	1/1	0.88	0.09	-	74,74,74,74	0
55	MG	2A	3563	1/1	0.87	0.30	-	61,61,61,61	0
55	MG	1a	3077	1/1	0.58	0.69	-	68,68,68,68	0
55	MG	2G	3002	1/1	0.81	0.18	-	79,79,79,79	0
55	MG	2a	1718	1/1	0.75	0.17	-	88,88,88,88	0
55	MG	1A	3523	1/1	0.93	0.38	-	70,70,70,70	0
55	MG	1A	3149	1/1	0.96	0.16	-	49,49,49,49	0
55	MG	2A	3070	1/1	0.95	0.60	-	52,52,52,52	0
55	MG	2A	3778	1/1	0.96	0.22	-	51,51,51,51	0
55	MG	1A	3006	1/1	0.93	0.18	-	26,26,26,26	0
55	MG	1P	202	1/1	0.83	0.19	-	85,85,85,85	0
55	MG	1A	3834	1/1	0.86	0.17	-	73,73,73,73	0
55	MG	1A	3090	1/1	0.87	0.22	-	41,41,41,41	0
55	MG	1A	3539	1/1	0.97	0.51	-	35,35,35,35	0
55	MG	2A	3197	1/1	0.85	0.28	-	53,53,53,53	0
55	MG	1A	3447	1/1	0.95	0.17	-	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3321	1/1	0.97	0.24	-	49,49,49,49	0
55	MG	2R	8001	1/1	0.79	0.32	-	77,77,77,77	0
55	MG	2A	3626	1/1	0.92	0.19	-	68,68,68,68	0
55	MG	2A	3711	1/1	0.95	0.08	-	67,67,67,67	0
55	MG	2A	3576	1/1	0.88	0.48	-	57,57,57,57	0
55	MG	2A	3674	1/1	0.83	0.12	-	75,75,75,75	0
55	MG	2A	3508	1/1	0.90	1.01	-	52,52,52,52	0
55	MG	1a	3064	1/1	0.90	0.30	-	82,82,82,82	0
55	MG	1A	3886	1/1	0.59	0.22	-	39,39,39,39	0
55	MG	2a	1693	1/1	0.97	0.31	-	60,60,60,60	0
55	MG	2A	3746	1/1	0.93	0.08	-	73,73,73,73	0
55	MG	11	103	1/1	0.86	0.19	-	50,50,50,50	0
55	MG	1A	3610	1/1	0.96	0.11	-	68,68,68,68	0
55	MG	2A	3808	1/1	0.76	0.29	-	73,73,73,73	0
55	MG	2A	3716	1/1	0.84	0.12	-	85,85,85,85	0
55	MG	2A	3310	1/1	0.99	0.20	-	46,46,46,46	0
55	MG	1A	3431	1/1	0.83	0.55	-	53,53,53,53	0
55	MG	1A	3517	1/1	0.88	0.18	-	51,51,51,51	0
55	MG	2A	3016	1/1	0.96	0.45	-	50,50,50,50	0
55	MG	1A	3860	1/1	0.92	0.20	-	56,56,56,56	0
55	MG	1A	3848	1/1	0.79	0.25	-	60,60,60,60	0
55	MG	1B	221	1/1	0.97	0.36	-	79,79,79,79	0
55	MG	2a	1619	1/1	0.90	0.57	-	76,76,76,76	0
55	MG	1a	3038	1/1	0.75	0.74	-	78,78,78,78	0
55	MG	1A	3062	1/1	0.73	0.60	-	49,49,49,49	0
55	MG	2A	3433	1/1	0.96	0.17	-	81,81,81,81	0
55	MG	1A	3790	1/1	0.89	0.08	-	38,38,38,38	0
55	MG	2A	3708	1/1	0.96	0.10	-	69,69,69,69	0
55	MG	1A	3800	1/1	0.92	0.06	-	65,65,65,65	0
55	MG	1a	3214	1/1	0.99	0.06	-	73,73,73,73	0
55	MG	1a	3147	1/1	0.97	0.12	-	73,73,73,73	0
55	MG	1A	3716	1/1	0.97	0.12	-	31,31,31,31	0
55	MG	1A	3502	1/1	0.96	0.19	-	16,16,16,16	0
55	MG	1A	3815	1/1	0.97	0.16	-	25,25,25,25	0
55	MG	10	105	1/1	0.91	0.13	-	63,63,63,63	0
55	MG	2A	3486	1/1	0.83	0.16	-	57,57,57,57	0
55	MG	1A	3194	1/1	0.94	0.14	-	54,54,54,54	0
55	MG	2e	201	1/1	0.96	0.14	-	71,71,71,71	0
55	MG	1a	3031	1/1	0.90	0.11	-	71,71,71,71	0
55	MG	1A	3670	1/1	0.82	0.26	-	51,51,51,51	0
55	MG	2A	3771	1/1	0.81	0.14	-	65,65,65,65	0
55	MG	2A	3791	1/1	0.55	0.80	-	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3818	1/1	0.96	0.10	-	52,52,52,52	0
55	MG	1D	311	1/1	0.96	0.08	-	61,61,61,61	0
55	MG	1A	3049	1/1	0.88	0.59	-	36,36,36,36	0
55	MG	1A	3628	1/1	0.80	0.20	-	66,66,66,66	0
55	MG	1a	3114	1/1	0.78	0.10	-	79,79,79,79	0
55	MG	1A	3074	1/1	0.90	0.67	-	39,39,39,39	0
55	MG	1A	3262	1/1	0.93	0.14	-	41,41,41,41	0
55	MG	1A	3107	1/1	0.97	0.22	-	25,25,25,25	0
55	MG	2A	3246	1/1	0.95	0.03	-	71,71,71,71	0
55	MG	2A	3376	1/1	0.68	0.14	-	89,89,89,89	0
55	MG	2a	1748	1/1	0.92	0.10	-	85,85,85,85	0
55	MG	2A	3256	1/1	0.87	0.14	-	61,61,61,61	0
55	MG	2A	3303	1/1	0.79	0.09	-	73,73,73,73	0
55	MG	1A	3669	1/1	0.87	0.29	-	62,62,62,62	0
55	MG	2a	1731	1/1	0.64	0.13	-	88,88,88,88	0
55	MG	2A	3116	1/1	0.96	0.19	-	56,56,56,56	0
55	MG	1A	3177	1/1	0.80	0.51	-	54,54,54,54	0
55	MG	1A	3806	1/1	0.80	0.17	-	59,59,59,59	0
55	MG	2A	3333	1/1	0.93	0.08	-	69,69,69,69	0
55	MG	2A	3417	1/1	0.91	0.13	-	52,52,52,52	0
55	MG	2l	202	1/1	0.90	0.09	-	69,69,69,69	0
55	MG	2A	3073	1/1	0.92	0.33	-	52,52,52,52	0
55	MG	2a	1601	1/1	0.78	0.31	-	59,59,59,59	0
55	MG	1A	3756	1/1	0.91	0.15	-	38,38,38,38	0
55	MG	2a	1692	1/1	0.95	0.24	-	82,82,82,82	0
55	MG	1A	3793	1/1	0.85	0.32	-	60,60,60,60	0
55	MG	1A	3075	1/1	0.97	0.47	-	33,33,33,33	0
55	MG	2a	1606	1/1	0.95	0.43	-	57,57,57,57	0
55	MG	1A	3393	1/1	0.94	0.16	-	48,48,48,48	0
55	MG	1A	3026	1/1	0.83	0.21	-	59,59,59,59	0
55	MG	1A	3889	1/1	0.87	0.09	-	55,55,55,55	0
55	MG	2A	3346	1/1	0.95	0.05	-	77,77,77,77	0
55	MG	2A	3548	1/1	0.91	0.05	-	72,72,72,72	0
55	MG	1A	3524	1/1	0.94	0.16	-	55,55,55,55	0
55	MG	1a	3083	1/1	0.96	0.23	-	66,66,66,66	0
55	MG	1A	3646	1/1	0.96	0.15	-	49,49,49,49	0
55	MG	2A	3068	1/1	0.97	0.11	-	65,65,65,65	0
55	MG	2A	3534	1/1	0.85	0.15	-	82,82,82,82	0
55	MG	2A	3407	1/1	0.92	0.20	-	70,70,70,70	0
55	MG	2A	3733	1/1	0.95	0.13	-	65,65,65,65	0
55	MG	1A	3373	1/1	0.96	0.30	-	53,53,53,53	0
55	MG	1a	3123	1/1	0.98	0.21	-	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3516	1/1	0.94	0.15	-	77,77,77,77	0
55	MG	1A	3888	1/1	0.90	0.26	-	54,54,54,54	0
55	MG	2a	1691	1/1	0.93	0.17	-	64,64,64,64	0
55	MG	2A	3259	1/1	0.97	0.12	-	89,89,89,89	0
55	MG	1A	3215	1/1	0.84	0.21	-	51,51,51,51	0
55	MG	2A	3532	1/1	0.37	0.28	-	87,87,87,87	0
55	MG	1A	3357	1/1	0.86	0.06	-	75,75,75,75	0
55	MG	2A	3573	1/1	0.93	0.06	-	73,73,73,73	0
55	MG	2A	3181	1/1	0.92	0.54	-	67,67,67,67	0
55	MG	1A	3120	1/1	0.92	0.23	-	54,54,54,54	0
55	MG	1A	3594	1/1	0.89	0.19	-	59,59,59,59	0
55	MG	2A	3613	1/1	0.99	0.10	-	57,57,57,57	0
55	MG	1a	3049	1/1	0.74	0.63	-	78,78,78,78	0
55	MG	1A	3496	1/1	0.53	0.08	-	73,73,73,73	0
55	MG	1a	3127	1/1	0.92	0.15	-	52,52,52,52	0
55	MG	1a	3087	1/1	0.92	0.09	-	63,63,63,63	0
55	MG	2A	3664	1/1	0.85	0.12	-	81,81,81,81	0
55	MG	2A	3564	1/1	0.81	0.12	-	58,58,58,58	0
55	MG	1A	3322	1/1	0.86	0.17	-	49,49,49,49	0
55	MG	2A	3701	1/1	0.93	0.09	-	59,59,59,59	0
55	MG	2A	3627	1/1	0.65	0.19	-	67,67,67,67	0
55	MG	2A	3066	1/1	0.90	0.27	-	64,64,64,64	0
55	MG	1A	3466	1/1	0.97	0.11	-	53,53,53,53	0
55	MG	1A	3599	1/1	0.94	0.54	-	46,46,46,46	0
55	MG	2A	3634	1/1	0.86	0.20	-	81,81,81,81	0
55	MG	1B	215	1/1	0.99	0.14	-	50,50,50,50	0
55	MG	1A	3097	1/1	0.95	0.36	-	42,42,42,42	0
55	MG	1A	3762	1/1	0.96	0.16	-	19,19,19,19	0
55	MG	1A	3298	1/1	0.99	0.08	-	49,49,49,49	0
55	MG	1a	3142	1/1	0.97	0.16	-	86,86,86,86	0
55	MG	1A	3309	1/1	0.95	0.14	-	37,37,37,37	0
55	MG	2A	3464	1/1	0.76	0.14	-	83,83,83,83	0
55	MG	1N	8004	1/1	0.96	0.22	-	71,71,71,71	0
55	MG	2A	3195	1/1	0.90	0.17	-	60,60,60,60	0
55	MG	1A	3788	1/1	0.95	0.14	-	28,28,28,28	0
55	MG	1A	3436	1/1	0.86	0.15	-	58,58,58,58	0
55	MG	1A	3156	1/1	0.93	0.10	-	53,53,53,53	0
55	MG	1A	3859	1/1	0.87	0.19	-	81,81,81,81	0
55	MG	2a	1717	1/1	0.87	0.06	-	71,71,71,71	0
55	MG	2A	3211	1/1	0.91	0.14	-	64,64,64,64	0
55	MG	1A	3945	1/1	0.93	0.21	-	56,56,56,56	0
55	MG	1A	3735	1/1	0.93	0.27	-	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3380	1/1	0.97	0.13	-	49,49,49,49	0
55	MG	2A	3029	1/1	0.92	0.49	-	72,72,72,72	0
55	MG	1A	3258	1/1	0.81	0.14	-	53,53,53,53	0
55	MG	2a	1768	1/1	0.97	0.20	-	74,74,74,74	0
55	MG	2A	3813	1/1	0.64	0.47	-	59,59,59,59	0
55	MG	1A	3094	1/1	0.94	0.47	-	34,34,34,34	0
55	MG	1A	3193	1/1	0.87	0.35	-	29,29,29,29	0
55	MG	1A	3650	1/1	0.93	0.21	-	45,45,45,45	0
55	MG	2A	3308	1/1	0.97	0.15	-	58,58,58,58	0
55	MG	1A	3682	1/1	0.87	0.42	-	61,61,61,61	0
55	MG	2A	3200	1/1	0.81	0.50	-	65,65,65,65	0
55	MG	1a	3002	1/1	0.94	0.20	-	44,44,44,44	0
55	MG	2A	3126	1/1	0.95	0.28	-	62,62,62,62	0
55	MG	17	102	1/1	0.96	0.14	-	55,55,55,55	0
55	MG	2a	1628	1/1	0.99	0.22	-	80,80,80,80	0
55	MG	1A	3854	1/1	0.57	0.14	-	74,74,74,74	0
55	MG	1A	3914	1/1	0.91	0.33	-	68,68,68,68	0
55	MG	2A	3604	1/1	0.86	0.30	-	77,77,77,77	0
55	MG	2A	3668	1/1	0.81	0.13	-	72,72,72,72	0
55	MG	2a	1697	1/1	0.82	0.07	-	79,79,79,79	0
55	MG	1A	3442	1/1	0.89	0.12	-	80,80,80,80	0
55	MG	2A	3661	1/1	0.87	0.11	-	88,88,88,88	0
55	MG	2A	3374	1/1	0.84	0.55	-	60,60,60,60	0
55	MG	20	102	1/1	0.84	0.32	-	63,63,63,63	0
55	MG	2A	3589	1/1	0.73	0.29	-	80,80,80,80	0
55	MG	1a	3166	1/1	0.89	0.13	-	70,70,70,70	0
55	MG	1a	3134	1/1	0.93	0.17	-	73,73,73,73	0
55	MG	1a	3120	1/1	0.89	0.08	-	65,65,65,65	0
55	MG	2a	1724	1/1	0.92	0.23	-	92,92,92,92	0
55	MG	1F	308	1/1	0.86	0.53	-	62,62,62,62	0
55	MG	2U	202	1/1	0.93	0.46	-	60,60,60,60	0
55	MG	2A	3760	1/1	0.98	0.07	-	42,42,42,42	0
55	MG	2A	3724	1/1	0.92	0.14	-	46,46,46,46	0
55	MG	2A	3402	1/1	0.93	0.10	-	80,80,80,80	0
55	MG	2a	1726	1/1	0.85	0.15	-	73,73,73,73	0
55	MG	1a	3187	1/1	0.95	0.07	-	82,82,82,82	0
55	MG	1a	3204	1/1	0.93	0.05	-	70,70,70,70	0
55	MG	2A	3106	1/1	0.95	0.35	-	67,67,67,67	0
55	MG	2A	3053	1/1	0.85	0.94	-	60,60,60,60	0
55	MG	2a	1687	1/1	0.96	0.29	-	58,58,58,58	0
55	MG	1A	3521	1/1	0.88	0.28	-	66,66,66,66	0
55	MG	2A	3475	1/1	0.56	0.52	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1753	1/1	0.65	0.21	-	84,84,84,84	0
55	MG	2A	3795	1/1	0.80	0.60	-	61,61,61,61	0
55	MG	2A	3702	1/1	0.92	0.16	-	38,38,38,38	0
55	MG	2A	3453	1/1	0.94	0.11	-	74,74,74,74	0
55	MG	2a	1786	1/1	0.87	0.13	-	72,72,72,72	0
55	MG	1A	3820	1/1	0.92	0.24	-	45,45,45,45	0
55	MG	2A	3751	1/1	0.93	0.18	-	67,67,67,67	0
55	MG	1a	3125	1/1	0.98	0.34	-	78,78,78,78	0
55	MG	2a	1611	1/1	0.97	0.36	-	76,76,76,76	0
55	MG	2A	3322	1/1	0.89	0.20	-	69,69,69,69	0
55	MG	2A	3517	1/1	0.97	0.15	-	80,80,80,80	0
55	MG	2A	3528	1/1	0.87	0.09	-	67,67,67,67	0
55	MG	1A	3826	1/1	0.91	0.07	-	65,65,65,65	0
55	MG	1a	3058	1/1	0.59	0.55	-	81,81,81,81	0
55	MG	1A	3495	1/1	0.98	0.21	-	66,66,66,66	0
55	MG	2A	3350	1/1	0.94	0.21	-	54,54,54,54	0
55	MG	2A	3355	1/1	0.91	0.14	-	58,58,58,58	0
55	MG	1A	3606	1/1	0.88	0.22	-	62,62,62,62	0
55	MG	1W	3001	1/1	0.87	0.29	-	44,44,44,44	0
55	MG	1A	3529	1/1	0.91	0.07	-	45,45,45,45	0
55	MG	1a	3193	1/1	0.93	0.39	-	75,75,75,75	0
55	MG	2A	3487	1/1	0.90	0.21	-	75,75,75,75	0
55	MG	2A	3695	1/1	0.64	0.10	-	82,82,82,82	0
55	MG	2A	3262	1/1	0.94	0.18	-	71,71,71,71	0
55	MG	1A	3114	1/1	0.93	0.08	-	59,59,59,59	0
55	MG	2A	3279	1/1	0.94	0.08	-	58,58,58,58	0
55	MG	1A	3773	1/1	0.89	0.16	-	53,53,53,53	0
55	MG	1A	3003	1/1	0.97	0.10	-	20,20,20,20	0
55	MG	2A	3469	1/1	0.89	0.09	-	62,62,62,62	0
55	MG	2A	3085	1/1	0.85	0.17	-	67,67,67,67	0
55	MG	2A	3329	1/1	0.81	0.41	-	72,72,72,72	0
55	MG	1A	3866	1/1	0.88	0.24	-	62,62,62,62	0
55	MG	2A	3592	1/1	0.96	0.10	-	80,80,80,80	0
55	MG	2a	1701	1/1	0.95	0.22	-	85,85,85,85	0
55	MG	1F	305	1/1	0.93	0.10	-	35,35,35,35	0
55	MG	1A	3244	1/1	0.90	0.28	-	49,49,49,49	0
55	MG	2A	3165	1/1	0.86	0.33	-	58,58,58,58	0
55	MG	1a	3041	1/1	0.86	0.11	-	76,76,76,76	0
55	MG	1a	3163	1/1	0.88	0.15	-	79,79,79,79	0
55	MG	2A	3550	1/1	0.91	0.10	-	75,75,75,75	0
55	MG	2a	1603	1/1	0.75	0.70	-	65,65,65,65	0
55	MG	1A	3290	1/1	0.94	0.16	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3009	1/1	0.83	0.68	-	64,64,64,64	0
55	MG	2A	3553	1/1	0.84	0.13	-	66,66,66,66	0
55	MG	1A	3132	1/1	0.91	0.59	-	34,34,34,34	0
55	MG	1A	3433	1/1	0.73	0.07	-	81,81,81,81	0
55	MG	1A	3898	1/1	0.46	0.51	-	53,53,53,53	0
55	MG	1A	3877	1/1	0.75	0.13	-	69,69,69,69	0
55	MG	2A	3682	1/1	0.80	0.20	-	68,68,68,68	0
55	MG	1A	3577	1/1	0.89	0.18	-	68,68,68,68	0
55	MG	2A	3521	1/1	0.89	0.15	-	74,74,74,74	0
55	MG	2A	3770	1/1	0.95	0.04	-	74,74,74,74	0
55	MG	1a	3086	1/1	0.97	0.43	-	64,64,64,64	0
55	MG	2A	3631	1/1	0.75	0.42	-	80,80,80,80	0
55	MG	2A	3170	1/1	0.74	0.22	-	71,71,71,71	0
55	MG	1A	3484	1/1	0.97	0.19	-	69,69,69,69	0
55	MG	1A	3285	1/1	0.89	0.21	-	49,49,49,49	0
55	MG	2A	3441	1/1	0.92	0.31	-	88,88,88,88	0
55	MG	1a	3217	1/1	0.74	0.18	-	81,81,81,81	0
55	MG	2a	1729	1/1	0.77	0.17	-	68,68,68,68	0
55	MG	1A	3316	1/1	0.86	0.38	-	69,69,69,69	0
55	MG	1A	3830	1/1	0.89	0.07	-	51,51,51,51	0
55	MG	1A	3559	1/1	0.96	0.17	-	56,56,56,56	0
55	MG	1A	3856	1/1	0.80	0.25	-	53,53,53,53	0
55	MG	1A	3375	1/1	0.94	0.11	-	69,69,69,69	0
55	MG	1a	3158	1/1	0.94	0.07	-	78,78,78,78	0
55	MG	2A	3544	1/1	0.89	0.15	-	89,89,89,89	0
55	MG	2A	3432	1/1	0.92	0.14	-	58,58,58,58	0
55	MG	1A	3382	1/1	0.82	0.52	-	58,58,58,58	0
55	MG	2A	3609	1/1	0.99	0.11	-	36,36,36,36	0
55	MG	2A	3260	1/1	0.77	0.29	-	74,74,74,74	0
55	MG	2A	3244	1/1	0.86	0.06	-	87,87,87,87	0
55	MG	1U	201	1/1	0.93	0.28	-	56,56,56,56	0
55	MG	1A	3620	1/1	0.97	0.08	-	71,71,71,71	0
55	MG	1A	3742	1/1	0.94	0.11	-	55,55,55,55	0
55	MG	2a	1638	1/1	0.84	0.79	-	70,70,70,70	0
55	MG	1B	203	1/1	0.87	0.24	-	66,66,66,66	0
55	MG	1A	3763	1/1	0.95	0.09	-	70,70,70,70	0
55	MG	2a	1646	1/1	0.83	0.36	-	62,62,62,62	0
55	MG	2A	3707	1/1	0.84	0.16	-	73,73,73,73	0
55	MG	2A	3538	1/1	0.78	0.08	-	73,73,73,73	0
55	MG	2A	3670	1/1	0.97	0.04	-	76,76,76,76	0
55	MG	1A	3702	1/1	0.96	0.20	-	31,31,31,31	0
55	MG	2A	3533	1/1	0.76	1.26	-	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3214	1/1	0.92	0.15	-	76,76,76,76	0
55	MG	1A	3418	1/1	0.98	0.11	-	34,34,34,34	0
55	MG	2A	3581	1/1	0.85	0.09	-	73,73,73,73	0
55	MG	2A	3221	1/1	0.91	0.45	-	68,68,68,68	0
55	MG	1A	3178	1/1	0.91	0.53	-	37,37,37,37	0
55	MG	1A	3839	1/1	0.63	0.18	-	68,68,68,68	0
55	MG	1a	3155	1/1	0.94	0.06	-	76,76,76,76	0
55	MG	1A	3882	1/1	0.83	0.17	-	67,67,67,67	0
55	MG	1A	3876	1/1	0.85	0.07	-	61,61,61,61	0
55	MG	1A	3589	1/1	0.96	0.10	-	28,28,28,28	0
55	MG	2A	3551	1/1	0.98	0.12	-	62,62,62,62	0
55	MG	1A	3500	1/1	0.90	0.13	-	67,67,67,67	0
55	MG	2a	1645	1/1	0.80	0.20	-	64,64,64,64	0
55	MG	1A	3509	1/1	0.96	0.21	-	31,31,31,31	0
55	MG	1A	3011	1/1	0.88	0.47	-	48,48,48,48	0
55	MG	2A	3780	1/1	0.93	0.07	-	54,54,54,54	0
55	MG	1a	3179	1/1	0.87	0.04	-	73,73,73,73	0
55	MG	1A	3348	1/1	0.89	0.10	-	42,42,42,42	0
55	MG	1A	3598	1/1	0.89	0.13	-	76,76,76,76	0
55	MG	1a	3006	1/1	0.94	0.15	-	72,72,72,72	0
55	MG	1a	3169	1/1	0.93	0.25	-	90,90,90,90	0
55	MG	2A	3714	1/1	0.96	0.10	-	52,52,52,52	0
55	MG	2A	3743	1/1	0.91	0.20	-	48,48,48,48	0
55	MG	1A	3901	1/1	0.95	0.47	-	35,35,35,35	0
55	MG	1A	3391	1/1	0.98	0.11	-	62,62,62,62	0
55	MG	2a	1759	1/1	0.85	0.04	-	86,86,86,86	0
55	MG	2A	3015	1/1	0.92	0.38	-	46,46,46,46	0
55	MG	1A	3787	1/1	0.95	0.08	-	48,48,48,48	0
55	MG	1A	3288	1/1	0.98	0.09	-	62,62,62,62	0
55	MG	2A	3013	1/1	0.75	0.22	-	65,65,65,65	0
55	MG	1A	3352	1/1	0.95	0.10	-	34,34,34,34	0
55	MG	1B	208	1/1	0.95	0.20	-	68,68,68,68	0
55	MG	2A	3242	1/1	0.89	0.07	-	75,75,75,75	0
55	MG	1A	3055	1/1	0.90	0.20	-	48,48,48,48	0
55	MG	1a	3140	1/1	0.71	0.21	-	82,82,82,82	0
55	MG	1A	3534	1/1	0.90	0.08	-	40,40,40,40	0
55	MG	1a	3097	1/1	0.87	0.09	-	58,58,58,58	0
55	MG	1R	203	1/1	0.86	0.25	-	48,48,48,48	0
55	MG	2A	3557	1/1	0.94	0.06	-	55,55,55,55	0
55	MG	1A	3360	1/1	0.96	0.18	-	25,25,25,25	0
55	MG	1a	3100	1/1	0.98	0.37	-	62,62,62,62	0
55	MG	2A	3338	1/1	0.85	0.21	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3633	1/1	0.96	0.10	-	80,80,80,80	0
55	MG	1A	3185	1/1	0.52	0.17	-	74,74,74,74	0
55	MG	2A	3288	1/1	0.91	0.31	-	67,67,67,67	0
55	MG	1A	3878	1/1	0.80	0.13	-	36,36,36,36	0
55	MG	1A	3211	1/1	0.84	0.41	-	41,41,41,41	0
58	A	2A	3816	1/23	0.70	1.02	-	85,85,85,85	0
55	MG	2B	3014	1/1	0.83	0.10	-	73,73,73,73	0
55	MG	1F	312	1/1	0.96	0.10	-	47,47,47,47	0
55	MG	1a	3028	1/1	0.88	0.28	-	63,63,63,63	0
55	MG	1A	3786	1/1	0.83	0.29	-	58,58,58,58	0
55	MG	1A	3515	1/1	0.88	0.28	-	63,63,63,63	0
55	MG	1A	3734	1/1	0.86	0.25	-	29,29,29,29	0
55	MG	2A	3172	1/1	0.84	0.37	-	64,64,64,64	0
55	MG	2A	3074	1/1	0.90	0.36	-	51,51,51,51	0
55	MG	2a	1755	1/1	0.82	0.13	-	66,66,66,66	0
55	MG	1A	3030	1/1	0.74	0.20	-	39,39,39,39	0
55	MG	2A	3477	1/1	0.95	0.11	-	81,81,81,81	0
55	MG	2A	3180	1/1	0.90	0.42	-	72,72,72,72	0
55	MG	1B	218	1/1	0.96	0.08	-	49,49,49,49	0
55	MG	19	101	1/1	0.96	0.36	-	52,52,52,52	0
55	MG	1B	216	1/1	0.77	0.17	-	74,74,74,74	0
55	MG	2A	3442	1/1	0.96	0.10	-	62,62,62,62	0
55	MG	2A	3622	1/1	0.95	0.13	-	52,52,52,52	0
55	MG	2A	3186	1/1	0.94	0.42	-	72,72,72,72	0
55	MG	2A	3752	1/1	0.68	0.40	-	77,77,77,77	0
55	MG	2A	3723	1/1	0.94	0.08	-	70,70,70,70	0
55	MG	1A	3626	1/1	0.98	0.06	-	42,42,42,42	0
55	MG	2A	3398	1/1	0.90	0.10	-	45,45,45,45	0
55	MG	1B	211	1/1	0.92	0.06	-	59,59,59,59	0
55	MG	2a	1675	1/1	0.93	0.22	-	83,83,83,83	0
55	MG	1A	3343	1/1	0.96	0.25	-	54,54,54,54	0
55	MG	2A	3114	1/1	0.87	0.38	-	62,62,62,62	0
55	MG	1a	3150	1/1	0.76	0.23	-	94,94,94,94	0
55	MG	2A	3258	1/1	0.70	0.22	-	84,84,84,84	0
55	MG	2A	3060	1/1	0.92	0.34	-	48,48,48,48	0
55	MG	1A	3050	1/1	0.90	0.24	-	37,37,37,37	0
55	MG	1A	3719	1/1	0.89	0.10	-	70,70,70,70	0
55	MG	1A	3578	1/1	0.95	0.20	-	68,68,68,68	0
55	MG	2A	3052	1/1	0.94	0.23	-	59,59,59,59	0
55	MG	1A	3135	1/1	0.70	0.16	-	71,71,71,71	0
55	MG	2A	3301	1/1	0.96	0.08	-	85,85,85,85	0
55	MG	1A	3542	1/1	0.98	0.17	-	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	27	102	1/1	0.78	0.16	-	72,72,72,72	0
55	MG	1a	3159	1/1	0.94	0.12	-	79,79,79,79	0
55	MG	2Q	201	1/1	0.94	0.05	-	77,77,77,77	0
55	MG	1A	3471	1/1	0.94	0.08	-	67,67,67,67	0
55	MG	1A	3864	1/1	0.93	0.05	-	53,53,53,53	0
55	MG	2A	3412	1/1	0.75	0.16	-	72,72,72,72	0
55	MG	1A	3749	1/1	0.88	0.10	-	50,50,50,50	0
55	MG	1A	3188	1/1	0.83	0.34	-	44,44,44,44	0
55	MG	2A	3191	1/1	0.94	0.18	-	64,64,64,64	0
55	MG	1A	3096	1/1	0.96	0.34	-	33,33,33,33	0
55	MG	2A	3367	1/1	0.98	0.08	-	46,46,46,46	0
55	MG	2A	3164	1/1	0.97	0.29	-	41,41,41,41	0
55	MG	1A	3548	1/1	0.93	0.18	-	47,47,47,47	0
55	MG	2A	3234	1/1	0.88	0.09	-	71,71,71,71	0
55	MG	1A	3214	1/1	0.89	0.24	-	33,33,33,33	0
55	MG	1A	3776	1/1	0.97	0.06	-	43,43,43,43	0
55	MG	2a	1727	1/1	0.75	0.24	-	92,92,92,92	0
55	MG	1A	3268	1/1	0.97	0.16	-	22,22,22,22	0
55	MG	2A	3490	1/1	0.98	0.11	-	56,56,56,56	0
55	MG	17	101	1/1	0.86	0.28	-	64,64,64,64	0
55	MG	1A	3279	1/1	0.96	0.12	-	55,55,55,55	0
55	MG	1A	3010	1/1	0.94	0.47	-	46,46,46,46	0
55	MG	1A	3374	1/1	0.81	0.09	-	74,74,74,74	0
55	MG	2A	3084	1/1	0.97	0.29	-	49,49,49,49	0
55	MG	1W	3002	1/1	0.91	0.25	-	51,51,51,51	0
55	MG	2A	3065	1/1	0.86	0.08	-	70,70,70,70	0
55	MG	2A	3797	1/1	0.93	0.29	-	88,88,88,88	0
55	MG	1A	3202	1/1	0.94	0.42	-	49,49,49,49	0
55	MG	2A	3444	1/1	0.73	0.28	-	57,57,57,57	0
55	MG	1a	3170	1/1	0.89	0.23	-	80,80,80,80	0
55	MG	2A	3783	1/1	0.88	0.32	-	93,93,93,93	0
55	MG	2A	3817	1/1	0.96	1.13	-	56,56,56,56	0
55	MG	1A	3887	1/1	0.73	0.19	-	58,58,58,58	0
55	MG	2A	3160	1/1	0.76	0.40	-	52,52,52,52	0
55	MG	2A	3386	1/1	0.95	0.14	-	63,63,63,63	0
55	MG	1a	3132	1/1	0.89	0.11	-	71,71,71,71	0
55	MG	2A	3798	1/1	0.80	0.15	-	81,81,81,81	0
55	MG	1A	3221	1/1	0.92	0.58	-	32,32,32,32	0
55	MG	2A	3619	1/1	0.95	0.10	-	57,57,57,57	0
55	MG	1A	3182	1/1	0.85	0.43	-	38,38,38,38	0
55	MG	2a	1756	1/1	0.88	0.15	-	76,76,76,76	0
55	MG	1A	3052	1/1	0.88	0.52	-	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3139	1/1	0.87	0.20	-	51,51,51,51	0
55	MG	2A	3125	1/1	0.94	0.17	-	66,66,66,66	0
55	MG	2a	1643	1/1	0.74	0.15	-	78,78,78,78	0
55	MG	20	103	1/1	0.81	0.20	-	77,77,77,77	0
55	MG	2A	3525	1/1	0.89	0.17	-	77,77,77,77	0
55	MG	2A	3161	1/1	0.79	0.28	-	83,83,83,83	0
55	MG	2A	3105	1/1	0.80	0.13	-	83,83,83,83	0
55	MG	1A	3456	1/1	0.95	0.15	-	49,49,49,49	0
55	MG	2D	305	1/1	0.95	0.10	-	73,73,73,73	0
55	MG	1A	3191	1/1	0.86	0.29	-	39,39,39,39	0
55	MG	2A	3434	1/1	0.92	0.15	-	78,78,78,78	0
55	MG	2B	3008	1/1	0.93	0.12	-	84,84,84,84	0
55	MG	1A	3474	1/1	0.90	0.21	-	50,50,50,50	0
55	MG	2A	3612	1/1	0.85	0.17	-	41,41,41,41	0
55	MG	2A	3758	1/1	0.97	0.06	-	78,78,78,78	0
55	MG	2A	3320	1/1	0.90	0.16	-	71,71,71,71	0
55	MG	1A	3483	1/1	0.93	0.30	-	56,56,56,56	0
55	MG	1A	3531	1/1	0.72	0.20	-	68,68,68,68	0
55	MG	1A	3728	1/1	0.76	0.17	-	53,53,53,53	0
55	MG	2A	3368	1/1	0.99	0.12	-	63,63,63,63	0
55	MG	2A	3815	1/1	0.75	0.43	-	79,79,79,79	0
55	MG	2a	1713	1/1	0.94	0.05	-	68,68,68,68	0
55	MG	1A	3744	1/1	0.91	0.04	-	55,55,55,55	0
55	MG	2A	3744	1/1	0.90	0.26	-	72,72,72,72	0
55	MG	2A	3640	1/1	0.92	0.17	-	76,76,76,76	0
55	MG	1a	3009	1/1	0.90	0.82	-	62,62,62,62	0
55	MG	1A	3223	1/1	0.97	0.08	-	72,72,72,72	0
55	MG	15	205	1/1	0.95	0.08	-	62,62,62,62	0
55	MG	1a	3192	1/1	0.96	0.15	-	64,64,64,64	0
55	MG	2a	1658	1/1	0.96	0.14	-	58,58,58,58	0
55	MG	1a	3048	1/1	0.78	0.12	-	75,75,75,75	0
55	MG	1A	3855	1/1	0.70	0.24	-	51,51,51,51	0
55	MG	2A	3700	1/1	0.90	0.14	-	79,79,79,79	0
55	MG	1A	3791	1/1	0.89	0.16	-	58,58,58,58	0
55	MG	1A	3605	1/1	0.94	0.05	-	63,63,63,63	0
55	MG	1A	3295	1/1	0.98	0.19	-	11,11,11,11	0
55	MG	2A	3261	1/1	0.95	0.28	-	52,52,52,52	0
55	MG	2A	3578	1/1	0.97	0.08	-	61,61,61,61	0
55	MG	1A	3656	1/1	0.96	0.11	-	57,57,57,57	0
55	MG	1a	3172	1/1	0.93	0.17	-	75,75,75,75	0
55	MG	1N	8002	1/1	0.95	0.20	-	61,61,61,61	0
55	MG	2a	1732	1/1	0.76	0.12	-	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3765	1/1	0.81	0.42	-	60,60,60,60	0
55	MG	1a	3164	1/1	0.86	0.20	-	68,68,68,68	0
55	MG	2A	3134	1/1	0.88	0.85	-	70,70,70,70	0
55	MG	1A	3344	1/1	0.92	0.18	-	54,54,54,54	0
55	MG	2a	1788	1/1	0.88	0.11	-	83,83,83,83	0
55	MG	2A	3295	1/1	0.94	0.11	-	78,78,78,78	0
55	MG	1a	3215	1/1	0.92	0.22	-	74,74,74,74	0
55	MG	2A	3683	1/1	0.94	0.07	-	68,68,68,68	0
55	MG	1A	3623	1/1	0.81	0.33	-	43,43,43,43	0
55	MG	1A	3803	1/1	0.83	0.10	-	78,78,78,78	0
55	MG	1A	3717	1/1	0.90	0.16	-	69,69,69,69	0
55	MG	2o	3001	1/1	0.94	0.11	-	57,57,57,57	0
55	MG	1D	310	1/1	0.87	0.14	-	68,68,68,68	0
55	MG	2A	3605	1/1	0.79	0.36	-	68,68,68,68	0
55	MG	2A	3002	1/1	0.80	0.22	-	68,68,68,68	0
55	MG	2A	3415	1/1	0.92	0.17	-	69,69,69,69	0
55	MG	2A	3372	1/1	0.95	0.14	-	54,54,54,54	0
55	MG	1A	3602	1/1	0.86	0.17	-	56,56,56,56	0
55	MG	1a	3079	1/1	0.82	0.14	-	54,54,54,54	0
55	MG	1A	3134	1/1	0.96	0.11	-	40,40,40,40	0
55	MG	2a	1657	1/1	0.82	0.33	-	64,64,64,64	0
55	MG	2A	3646	1/1	0.89	0.38	-	57,57,57,57	0
55	MG	2A	3484	1/1	0.72	0.31	-	62,62,62,62	0
55	MG	2A	3438	1/1	0.95	0.24	-	66,66,66,66	0
55	MG	1A	3346	1/1	0.95	0.20	-	69,69,69,69	0
55	MG	2A	3461	1/1	0.81	0.23	-	72,72,72,72	0
55	MG	1A	3583	1/1	0.92	0.10	-	59,59,59,59	0
55	MG	1A	3307	1/1	0.92	0.18	-	37,37,37,37	0
55	MG	2a	1747	1/1	0.80	0.15	-	84,84,84,84	0
55	MG	1A	3385	1/1	0.95	0.07	-	69,69,69,69	0
55	MG	1A	3189	1/1	0.97	0.10	-	69,69,69,69	0
55	MG	1a	3189	1/1	0.93	0.17	-	81,81,81,81	0
55	MG	2a	1733	1/1	0.77	0.48	-	66,66,66,66	0
55	MG	2a	1757	1/1	0.95	0.24	-	66,66,66,66	0
55	MG	2A	3395	1/1	0.90	0.12	-	76,76,76,76	0
55	MG	2A	3767	1/1	0.96	0.06	-	69,69,69,69	0
55	MG	2a	1634	1/1	0.90	0.31	-	73,73,73,73	0
55	MG	2A	3681	1/1	0.80	0.06	-	65,65,65,65	0
55	MG	2A	3393	1/1	0.89	0.15	-	67,67,67,67	0
55	MG	1A	3841	1/1	0.95	0.07	-	68,68,68,68	0
55	MG	2A	3318	1/1	0.88	0.06	-	77,77,77,77	0
55	MG	1a	3153	1/1	0.85	0.12	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3300	1/1	0.97	0.14	-	42,42,42,42	0
55	MG	1A	3493	1/1	0.91	0.13	-	46,46,46,46	0
55	MG	1A	3424	1/1	0.99	0.10	-	22,22,22,22	0
55	MG	1A	3835	1/1	0.94	0.06	-	51,51,51,51	0
55	MG	2A	3212	1/1	0.95	0.14	-	36,36,36,36	0
55	MG	1A	3079	1/1	0.89	0.78	-	45,45,45,45	0
55	MG	1A	3597	1/1	0.97	0.05	-	49,49,49,49	0
55	MG	1A	3688	1/1	0.92	0.16	-	76,76,76,76	0
55	MG	2A	3063	1/1	0.88	0.22	-	65,65,65,65	0
55	MG	2A	3003	1/1	0.95	0.07	-	35,35,35,35	0
55	MG	1N	8003	1/1	0.95	0.17	-	61,61,61,61	0
55	MG	1A	3561	1/1	0.80	0.16	-	55,55,55,55	0
55	MG	1A	3541	1/1	0.84	0.27	-	55,55,55,55	0
55	MG	1A	3752	1/1	0.81	0.15	-	65,65,65,65	0
55	MG	1E	302	1/1	0.96	0.18	-	26,26,26,26	0
55	MG	2A	3183	1/1	0.78	0.54	-	79,79,79,79	0
55	MG	2A	3285	1/1	0.94	0.08	-	46,46,46,46	0
55	MG	2A	3789	1/1	0.93	0.05	-	68,68,68,68	0
55	MG	2A	3410	1/1	0.98	0.11	-	59,59,59,59	0
55	MG	1A	3359	1/1	0.55	0.12	-	80,80,80,80	0
55	MG	2a	1761	1/1	0.96	0.14	-	68,68,68,68	0
55	MG	2A	3737	1/1	0.85	0.12	-	79,79,79,79	0
55	MG	1A	3152	1/1	0.85	0.17	-	46,46,46,46	0
55	MG	1A	3139	1/1	0.78	0.28	-	38,38,38,38	0
55	MG	2A	3334	1/1	0.93	0.23	-	71,71,71,71	0
55	MG	1a	3035	1/1	0.89	1.01	-	69,69,69,69	0
55	MG	1A	3679	1/1	0.92	0.07	-	46,46,46,46	0
55	MG	1A	3738	1/1	0.97	0.16	-	23,23,23,23	0
55	MG	1D	304	1/1	0.93	0.07	-	56,56,56,56	0
55	MG	2a	1769	1/1	0.84	0.22	-	83,83,83,83	0
55	MG	2A	3675	1/1	0.67	0.15	-	75,75,75,75	0
55	MG	2A	3365	1/1	0.95	0.09	-	81,81,81,81	0
55	MG	2A	3390	1/1	0.94	0.10	-	48,48,48,48	0
55	MG	2A	3712	1/1	0.81	0.13	-	69,69,69,69	0
55	MG	2A	3071	1/1	0.96	0.28	-	38,38,38,38	0
55	MG	2S	201	1/1	0.94	0.50	-	70,70,70,70	0
55	MG	2A	3510	1/1	0.93	0.11	-	82,82,82,82	0
55	MG	2B	3013	1/1	0.60	0.06	-	77,77,77,77	0
55	MG	2A	3794	1/1	0.88	0.10	-	70,70,70,70	0
55	MG	1A	3522	1/1	0.92	0.27	-	57,57,57,57	0
55	MG	2a	1774	1/1	0.92	0.07	-	65,65,65,65	0
55	MG	1A	3166	1/1	0.84	0.17	-	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3731	1/1	0.98	0.09	-	25,25,25,25	0
55	MG	1A	3715	1/1	0.97	0.06	-	51,51,51,51	0
55	MG	1A	3310	1/1	0.93	0.15	-	64,64,64,64	0
55	MG	1A	3464	1/1	0.96	0.21	-	61,61,61,61	0
55	MG	2A	3208	1/1	0.95	0.10	-	80,80,80,80	0
55	MG	1A	3009	1/1	0.95	0.28	-	32,32,32,32	0
55	MG	2A	3290	1/1	0.97	0.22	-	71,71,71,71	0
55	MG	2A	3739	1/1	0.96	0.10	-	60,60,60,60	0
55	MG	2A	3265	1/1	0.95	0.38	-	69,69,69,69	0
55	MG	2A	3327	1/1	0.80	0.21	-	88,88,88,88	0
55	MG	2A	3511	1/1	0.90	0.16	-	54,54,54,54	0
55	MG	1A	3341	1/1	0.93	0.14	-	31,31,31,31	0
55	MG	2A	3705	1/1	0.87	0.20	-	65,65,65,65	0
55	MG	1a	3106	1/1	0.88	0.06	-	56,56,56,56	0
55	MG	2A	3337	1/1	0.77	0.04	-	74,74,74,74	0
55	MG	2a	1712	1/1	0.90	0.38	-	68,68,68,68	0
55	MG	1a	3063	1/1	0.73	0.83	-	65,65,65,65	0
55	MG	1A	3273	1/1	0.89	0.11	-	35,35,35,35	0
55	MG	2A	3194	1/1	0.82	0.09	-	83,83,83,83	0
55	MG	1A	3837	1/1	0.85	0.14	-	78,78,78,78	0
55	MG	1A	3072	1/1	0.72	0.39	-	42,42,42,42	0
55	MG	2A	3115	1/1	0.83	0.26	-	65,65,65,65	0
55	MG	2A	3641	1/1	0.84	0.15	-	72,72,72,72	0
55	MG	2A	3514	1/1	0.93	0.29	-	50,50,50,50	0
55	MG	1A	3173	1/1	0.90	0.23	-	45,45,45,45	0
55	MG	1A	3183	1/1	0.92	0.21	-	44,44,44,44	0
55	MG	1a	3011	1/1	0.96	0.13	-	74,74,74,74	0
55	MG	1A	3770	1/1	0.93	0.04	-	64,64,64,64	0
55	MG	2A	3058	1/1	0.76	0.20	-	60,60,60,60	0
55	MG	2A	3140	1/1	0.88	0.34	-	56,56,56,56	0
55	MG	1a	3145	1/1	0.94	0.16	-	79,79,79,79	0
55	MG	2a	1706	1/1	0.93	0.23	-	90,90,90,90	0
55	MG	1H	8001	1/1	0.64	0.23	-	91,91,91,91	0
55	MG	1A	3760	1/1	0.73	0.12	-	60,60,60,60	0
55	MG	2A	3805	1/1	0.92	0.19	-	68,68,68,68	0
55	MG	2a	1656	1/1	0.95	0.06	-	78,78,78,78	0
55	MG	1A	3825	1/1	0.90	0.08	-	67,67,67,67	0
55	MG	2A	3239	1/1	0.94	0.18	-	38,38,38,38	0
55	MG	1A	3687	1/1	0.98	0.14	-	25,25,25,25	0
55	MG	2A	3500	1/1	0.90	0.10	-	78,78,78,78	0
55	MG	2A	3028	1/1	0.72	0.39	-	61,61,61,61	0
55	MG	2a	1689	1/1	0.96	0.16	-	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3675	1/1	0.95	0.12	-	65,65,65,65	0
55	MG	1A	3150	1/1	0.75	0.22	-	62,62,62,62	0
55	MG	1a	3218	1/1	0.74	0.22	-	82,82,82,82	0
55	MG	1A	3453	1/1	0.90	0.08	-	51,51,51,51	0
55	MG	1a	3118	1/1	0.98	0.06	-	68,68,68,68	0
55	MG	1A	3741	1/1	0.92	0.38	-	56,56,56,56	0
55	MG	1A	3520	1/1	0.95	0.12	-	33,33,33,33	0
55	MG	1A	3287	1/1	0.85	0.16	-	58,58,58,58	0
55	MG	1A	3301	1/1	0.96	0.20	-	12,12,12,12	0
55	MG	2A	3749	1/1	0.84	0.06	-	81,81,81,81	0
55	MG	1A	3617	1/1	0.93	0.39	-	47,47,47,47	0
55	MG	2a	1776	1/1	0.89	0.09	-	74,74,74,74	0
55	MG	1A	3644	1/1	0.88	0.39	-	51,51,51,51	0
55	MG	2a	1633	1/1	0.74	0.34	-	75,75,75,75	0
55	MG	2A	3496	1/1	0.93	0.15	-	85,85,85,85	0
55	MG	2a	1743	1/1	0.96	0.31	-	65,65,65,65	0
55	MG	1a	3154	1/1	0.88	0.12	-	90,90,90,90	0
55	MG	1A	3758	1/1	0.53	0.58	-	60,60,60,60	0
55	MG	1A	3572	1/1	0.84	0.22	-	67,67,67,67	0
55	MG	2B	3018	1/1	0.75	0.20	-	74,74,74,74	0
55	MG	1a	3162	1/1	0.93	0.05	-	72,72,72,72	0
55	MG	2a	1766	1/1	0.96	0.26	-	77,77,77,77	0
55	MG	1a	3117	1/1	0.78	0.31	-	71,71,71,71	0
55	MG	2A	3703	1/1	0.96	0.26	-	91,91,91,91	0
55	MG	2A	3503	1/1	0.94	0.21	-	58,58,58,58	0
55	MG	1A	3532	1/1	0.87	0.13	-	56,56,56,56	0
55	MG	2A	3317	1/1	0.96	0.05	-	79,79,79,79	0
55	MG	2A	3266	1/1	0.87	0.18	-	66,66,66,66	0
55	MG	10	106	1/1	0.91	0.07	-	73,73,73,73	0
55	MG	2A	3637	1/1	0.87	0.05	-	63,63,63,63	0
55	MG	1d	505	1/1	0.77	0.09	-	76,76,76,76	0
55	MG	1g	3001	1/1	0.83	0.25	-	79,79,79,79	0
55	MG	1a	3053	1/1	0.91	0.21	-	76,76,76,76	0
55	MG	2A	3781	1/1	0.95	0.12	-	83,83,83,83	0
55	MG	1B	219	1/1	0.94	0.12	-	47,47,47,47	0
55	MG	1A	3091	1/1	0.98	0.31	-	17,17,17,17	0
55	MG	1A	3095	1/1	0.66	0.41	-	58,58,58,58	0
55	MG	2A	3254	1/1	0.87	0.11	-	87,87,87,87	0
55	MG	2A	3315	1/1	0.89	0.12	-	68,68,68,68	0
55	MG	1A	3045	1/1	0.94	0.21	-	37,37,37,37	0
55	MG	2A	3045	1/1	0.85	0.12	-	75,75,75,75	0
55	MG	1A	3526	1/1	0.92	0.08	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3507	1/1	0.96	0.55	-	62,62,62,62	0
55	MG	1A	3157	1/1	0.97	0.19	-	33,33,33,33	0
55	MG	2a	1620	1/1	0.74	0.45	-	76,76,76,76	0
55	MG	1A	3219	1/1	0.76	0.83	-	76,76,76,76	0
55	MG	1A	3077	1/1	0.91	0.30	-	48,48,48,48	0
55	MG	1a	3160	1/1	0.95	0.28	-	67,67,67,67	0
55	MG	1A	3574	1/1	0.95	0.39	-	49,49,49,49	0
55	MG	10	103	1/1	0.80	0.11	-	51,51,51,51	0
55	MG	1A	3432	1/1	0.99	0.18	-	14,14,14,14	0
55	MG	1A	3774	1/1	0.88	0.20	-	79,79,79,79	0
55	MG	1A	3400	1/1	0.94	0.19	-	44,44,44,44	0
55	MG	2a	1655	1/1	0.75	0.35	-	70,70,70,70	0
55	MG	2A	3811	1/1	0.79	0.46	-	57,57,57,57	0
55	MG	1a	3135	1/1	0.92	0.24	-	77,77,77,77	0
55	MG	2a	1764	1/1	0.91	0.46	-	70,70,70,70	0
55	MG	2B	3005	1/1	0.80	0.13	-	71,71,71,71	0
55	MG	2a	1790	1/1	0.90	0.22	-	72,72,72,72	0
55	MG	2A	3232	1/1	0.94	0.07	-	70,70,70,70	0
55	MG	2V	203	1/1	0.96	0.17	-	73,73,73,73	0
55	MG	2A	3582	1/1	0.76	0.30	-	67,67,67,67	0
55	MG	2A	3043	1/1	0.88	0.17	-	68,68,68,68	0
55	MG	2A	3494	1/1	0.97	0.09	-	59,59,59,59	0
55	MG	2A	3129	1/1	0.83	0.17	-	64,64,64,64	0
55	MG	2A	3472	1/1	0.91	0.11	-	55,55,55,55	0
55	MG	1A	3151	1/1	0.92	0.26	-	48,48,48,48	0
55	MG	1A	3799	1/1	0.95	0.11	-	57,57,57,57	0
55	MG	1a	3190	1/1	0.95	0.07	-	73,73,73,73	0
55	MG	1A	3801	1/1	0.98	0.15	-	32,32,32,32	0
55	MG	2A	3653	1/1	0.88	0.23	-	70,70,70,70	0
55	MG	1a	3222	1/1	0.85	0.34	-	72,72,72,72	0
55	MG	1a	3108	1/1	0.95	0.04	-	75,75,75,75	0
55	MG	1A	3481	1/1	0.94	0.13	-	35,35,35,35	0
55	MG	1A	3035	1/1	0.74	0.21	-	42,42,42,42	0
55	MG	1d	503	1/1	0.92	0.26	-	72,72,72,72	0
55	MG	1A	3216	1/1	0.91	0.46	-	50,50,50,50	0
55	MG	2A	3055	1/1	0.89	0.29	-	56,56,56,56	0
55	MG	2A	3325	1/1	0.94	0.55	-	68,68,68,68	0
55	MG	1A	3047	1/1	0.91	0.36	-	45,45,45,45	0
55	MG	2A	3717	1/1	0.52	0.16	-	89,89,89,89	0
55	MG	2A	3623	1/1	0.94	0.20	-	71,71,71,71	0
55	MG	1A	3733	1/1	0.87	0.24	-	42,42,42,42	0
55	MG	2A	3547	1/1	0.88	0.05	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1a	3130	1/1	0.91	0.32	-	75,75,75,75	0
55	MG	1a	3180	1/1	0.85	0.21	-	97,97,97,97	0
55	MG	2a	1685	1/1	0.93	0.09	-	77,77,77,77	0
55	MG	1A	3356	1/1	0.97	0.14	-	23,23,23,23	0
55	MG	2A	3748	1/1	0.69	0.12	-	66,66,66,66	0
55	MG	2A	3112	1/1	0.89	0.98	-	68,68,68,68	0
55	MG	2a	1660	1/1	0.93	0.13	-	74,74,74,74	0
55	MG	1A	3407	1/1	0.97	0.11	-	58,58,58,58	0
55	MG	1A	3600	1/1	0.90	0.47	-	81,81,81,81	0
55	MG	2A	3010	1/1	0.82	0.19	-	62,62,62,62	0
55	MG	2A	3769	1/1	0.91	0.12	-	66,66,66,66	0
55	MG	1A	3700	1/1	0.74	0.45	-	47,47,47,47	0
55	MG	1A	3851	1/1	0.94	0.07	-	29,29,29,29	0
55	MG	2A	3784	1/1	0.97	0.14	-	64,64,64,64	0
55	MG	1A	3451	1/1	0.97	0.15	-	23,23,23,23	0
55	MG	2a	1739	1/1	0.96	0.12	-	81,81,81,81	0
55	MG	2A	3169	1/1	0.84	0.28	-	73,73,73,73	0
55	MG	2A	3396	1/1	0.92	0.04	-	64,64,64,64	0
55	MG	1a	3188	1/1	0.92	0.23	-	65,65,65,65	0
55	MG	1a	3152	1/1	0.78	0.14	-	90,90,90,90	0
55	MG	2a	1682	1/1	0.81	0.15	-	78,78,78,78	0
55	MG	1A	3862	1/1	0.81	0.34	-	55,55,55,55	0
55	MG	1A	3119	1/1	0.93	0.39	-	35,35,35,35	0
55	MG	2A	3596	1/1	0.88	0.16	-	63,63,63,63	0
55	MG	1A	3536	1/1	0.81	0.16	-	56,56,56,56	0
55	MG	2a	1773	1/1	0.76	0.11	-	91,91,91,91	0
55	MG	1A	3485	1/1	0.93	0.29	-	56,56,56,56	0
55	MG	2A	3689	1/1	0.89	0.20	-	66,66,66,66	0
55	MG	10	107	1/1	0.89	0.43	-	46,46,46,46	0
55	MG	2U	201	1/1	0.89	0.14	-	66,66,66,66	0
55	MG	2a	1699	1/1	0.93	0.13	-	67,67,67,67	0
55	MG	2A	3041	1/1	0.80	0.81	-	62,62,62,62	0
55	MG	2a	1741	1/1	0.56	0.47	-	91,91,91,91	0
55	MG	1A	3823	1/1	0.87	0.17	-	32,32,32,32	0
55	MG	2A	3459	1/1	0.98	0.06	-	64,64,64,64	0
55	MG	1A	3746	1/1	0.93	0.05	-	52,52,52,52	0
55	MG	1A	3113	1/1	0.87	0.24	-	26,26,26,26	0
55	MG	1A	3873	1/1	0.94	0.10	-	59,59,59,59	0
55	MG	1A	3708	1/1	0.96	0.23	-	51,51,51,51	0
55	MG	1A	3368	1/1	0.97	0.10	-	47,47,47,47	0
55	MG	2A	3495	1/1	0.96	0.15	-	51,51,51,51	0
55	MG	2A	3196	1/1	0.93	0.11	-	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1a	3197	1/1	0.82	0.12	-	78,78,78,78	0
55	MG	2A	3647	1/1	0.83	0.18	-	77,77,77,77	0
55	MG	1A	3351	1/1	0.94	0.08	-	66,66,66,66	0
55	MG	2A	3499	1/1	0.86	0.37	-	51,51,51,51	0
55	MG	1A	3439	1/1	0.96	0.14	-	51,51,51,51	0
55	MG	2a	1698	1/1	0.97	0.63	-	61,61,61,61	0
55	MG	2A	3131	1/1	0.71	0.50	-	71,71,71,71	0
55	MG	1A	3353	1/1	0.92	0.23	-	62,62,62,62	0
55	MG	2a	1710	1/1	0.82	0.16	-	84,84,84,84	0
55	MG	1A	3312	1/1	0.88	0.17	-	61,61,61,61	0
55	MG	2a	1666	1/1	0.94	0.08	-	74,74,74,74	0
55	MG	2A	3474	1/1	0.67	0.10	-	78,78,78,78	0
55	MG	1A	3726	1/1	0.94	0.25	-	39,39,39,39	0
55	MG	2A	3493	1/1	0.92	0.08	-	75,75,75,75	0
55	MG	2A	3027	1/1	0.84	0.33	-	66,66,66,66	0
55	MG	1A	3363	1/1	0.98	0.14	-	39,39,39,39	0
55	MG	1A	3540	1/1	0.93	0.08	-	80,80,80,80	0
55	MG	2a	1749	1/1	0.93	0.05	-	72,72,72,72	0
55	MG	1A	3861	1/1	0.69	0.08	-	75,75,75,75	0
55	MG	1D	302	1/1	0.93	0.31	-	44,44,44,44	0
55	MG	18	3301	1/1	0.90	0.59	-	64,64,64,64	0
55	MG	2B	3017	1/1	0.69	0.21	-	91,91,91,91	0
55	MG	2A	3558	1/1	0.80	0.20	-	67,67,67,67	0
55	MG	1A	3701	1/1	0.70	0.36	-	44,44,44,44	0
55	MG	2A	3185	1/1	0.88	0.45	-	65,65,65,65	0
55	MG	1A	3503	1/1	0.94	0.18	-	42,42,42,42	0
55	MG	1A	3794	1/1	0.94	0.27	-	46,46,46,46	0
55	MG	2A	3575	1/1	0.97	0.16	-	52,52,52,52	0
55	MG	1a	3022	1/1	0.80	0.65	-	66,66,66,66	0
55	MG	2A	3293	1/1	0.93	0.29	-	72,72,72,72	0
55	MG	1A	3836	1/1	0.87	0.14	-	54,54,54,54	0
55	MG	1A	3833	1/1	0.90	0.13	-	70,70,70,70	0
55	MG	2A	3690	1/1	0.83	0.22	-	82,82,82,82	0
55	MG	2A	3667	1/1	0.97	0.14	-	64,64,64,64	0
55	MG	2A	3341	1/1	0.93	0.04	-	75,75,75,75	0
55	MG	1y	101	1/1	0.84	0.34	-	50,50,50,50	0
55	MG	1A	3819	1/1	0.96	0.51	-	45,45,45,45	0
55	MG	1A	3386	1/1	0.95	0.25	-	49,49,49,49	0
55	MG	2A	3400	1/1	0.88	0.27	-	77,77,77,77	0
55	MG	2A	3697	1/1	0.96	0.05	-	53,53,53,53	0
55	MG	1f	8001	1/1	0.96	0.21	-	61,61,61,61	0
55	MG	2A	3456	1/1	0.89	0.24	-	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2A	3175	1/1	0.94	0.25	-	50,50,50,50	0
55	MG	1A	3740	1/1	0.94	0.09	-	63,63,63,63	0
55	MG	1a	3072	1/1	0.89	0.09	-	59,59,59,59	0
55	MG	2A	3128	1/1	0.65	0.55	-	83,83,83,83	0
55	MG	2A	3672	1/1	0.68	0.31	-	67,67,67,67	0
55	MG	1a	3128	1/1	0.96	0.17	-	75,75,75,75	0
55	MG	1a	3051	1/1	0.93	0.38	-	59,59,59,59	0
55	MG	1A	3260	1/1	0.83	0.18	-	75,75,75,75	0
55	MG	1A	3243	1/1	0.70	0.25	-	62,62,62,62	0
55	MG	1A	3413	1/1	0.97	0.09	-	28,28,28,28	0
55	MG	2a	1668	1/1	0.94	0.12	-	63,63,63,63	0
55	MG	1A	3562	1/1	0.94	0.20	-	52,52,52,52	0
55	MG	1A	3203	1/1	0.89	0.36	-	38,38,38,38	0
55	MG	1h	3002	1/1	0.95	0.11	-	73,73,73,73	0
55	MG	1A	3217	1/1	0.87	0.45	-	35,35,35,35	0
55	MG	2A	3264	1/1	0.95	0.14	-	61,61,61,61	0
55	MG	1B	207	1/1	0.68	0.23	-	60,60,60,60	0
55	MG	1A	3720	1/1	0.86	0.33	-	64,64,64,64	0
55	MG	2A	3349	1/1	0.96	0.13	-	80,80,80,80	0
55	MG	1A	3070	1/1	0.96	0.20	-	37,37,37,37	0
55	MG	2A	3654	1/1	0.95	0.05	-	34,34,34,34	0
55	MG	1a	3096	1/1	0.87	0.19	-	81,81,81,81	0
55	MG	2A	3710	1/1	0.96	0.13	-	62,62,62,62	0
55	MG	2A	3492	1/1	0.93	0.27	-	46,46,46,46	0
55	MG	1A	3894	1/1	0.92	0.04	-	87,87,87,87	0
55	MG	2A	3249	1/1	0.94	0.07	-	68,68,68,68	0
55	MG	2A	3629	1/1	0.95	0.06	-	73,73,73,73	0
55	MG	1A	3277	1/1	0.91	0.18	-	56,56,56,56	0
55	MG	2A	3174	1/1	0.89	0.38	-	47,47,47,47	0
55	MG	1A	3369	1/1	0.90	0.14	-	70,70,70,70	0
55	MG	2A	3768	1/1	0.84	0.45	-	94,94,94,94	0
55	MG	1A	3586	1/1	0.89	0.20	-	60,60,60,60	0
55	MG	2a	1738	1/1	0.95	0.05	-	77,77,77,77	0
55	MG	2B	3002	1/1	0.82	0.11	-	67,67,67,67	0
55	MG	1A	3684	1/1	0.96	0.22	-	59,59,59,59	0
55	MG	2A	3652	1/1	0.93	0.33	-	58,58,58,58	0
55	MG	1A	3547	1/1	0.81	0.23	-	29,29,29,29	0
55	MG	2A	3093	1/1	0.96	0.48	-	56,56,56,56	0
55	MG	2A	3656	1/1	0.99	0.11	-	45,45,45,45	0
55	MG	1A	3419	1/1	0.98	0.17	-	28,28,28,28	0
55	MG	1a	3105	1/1	0.96	0.10	-	54,54,54,54	0
55	MG	1E	305	1/1	0.98	0.17	-	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3567	1/1	0.79	0.17	-	51,51,51,51	0
55	MG	1A	3486	1/1	0.94	0.33	-	43,43,43,43	0
55	MG	2A	3109	1/1	0.81	0.45	-	63,63,63,63	0
55	MG	2A	3522	1/1	0.89	0.14	-	67,67,67,67	0
55	MG	1a	3129	1/1	0.79	0.11	-	83,83,83,83	0
55	MG	1A	3238	1/1	0.93	0.15	-	37,37,37,37	0
55	MG	1A	3718	1/1	0.91	0.10	-	46,46,46,46	0
55	MG	1a	3161	1/1	0.91	0.55	-	67,67,67,67	0
55	MG	2A	3772	1/1	0.92	0.10	-	68,68,68,68	0
55	MG	2A	3448	1/1	0.86	0.15	-	80,80,80,80	0
55	MG	1o	3001	1/1	0.89	0.43	-	62,62,62,62	0
55	MG	1A	3615	1/1	0.91	0.04	-	50,50,50,50	0
55	MG	1A	3015	1/1	0.97	0.30	-	30,30,30,30	0
55	MG	2A	3430	1/1	0.94	0.28	-	54,54,54,54	0
55	MG	2a	1639	1/1	0.98	0.16	-	74,74,74,74	0
55	MG	1A	3170	1/1	0.82	0.32	-	40,40,40,40	0
55	MG	1a	3078	1/1	0.53	0.70	-	84,84,84,84	0
55	MG	2A	3283	1/1	0.93	0.14	-	47,47,47,47	0
55	MG	2A	3168	1/1	0.94	0.26	-	72,72,72,72	0
55	MG	2A	3463	1/1	0.86	0.16	-	77,77,77,77	0
55	MG	2A	3347	1/1	0.84	0.05	-	72,72,72,72	0
55	MG	1l	201	1/1	0.90	0.14	-	71,71,71,71	0
55	MG	1A	3869	1/1	0.86	0.18	-	40,40,40,40	0
55	MG	1a	3149	1/1	0.71	0.24	-	97,97,97,97	0
55	MG	2R	8002	1/1	0.97	0.23	-	45,45,45,45	0
55	MG	1a	3181	1/1	0.93	0.11	-	76,76,76,76	0
55	MG	1A	3842	1/1	0.94	0.03	-	68,68,68,68	0
55	MG	1A	3513	1/1	0.96	0.16	-	53,53,53,53	0
55	MG	2A	3304	1/1	0.95	0.23	-	41,41,41,41	0
55	MG	2A	3042	1/1	0.70	0.67	-	59,59,59,59	0
55	MG	2A	3793	1/1	0.98	0.18	-	53,53,53,53	0
55	MG	2A	3235	1/1	0.95	0.08	-	77,77,77,77	0
55	MG	1h	3001	1/1	0.83	0.53	-	52,52,52,52	0
55	MG	1A	3228	1/1	0.92	0.18	-	76,76,76,76	0
55	MG	1A	3454	1/1	0.76	0.37	-	61,61,61,61	0
55	MG	2q	201	1/1	0.87	0.38	-	63,63,63,63	0
55	MG	2A	3586	1/1	0.92	0.15	-	89,89,89,89	0
55	MG	1A	3649	1/1	0.93	0.36	-	52,52,52,52	0
55	MG	2A	3450	1/1	0.99	0.30	-	62,62,62,62	0
55	MG	2B	3015	1/1	0.70	0.12	-	79,79,79,79	0
55	MG	2A	3344	1/1	0.90	0.12	-	78,78,78,78	0
55	MG	1a	3186	1/1	0.82	0.08	-	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3499	1/1	0.85	0.13	-	62,62,62,62	0
55	MG	1A	3506	1/1	0.94	0.18	-	51,51,51,51	0
55	MG	2A	3182	1/1	0.97	0.11	-	80,80,80,80	0
55	MG	2A	3651	1/1	0.92	0.24	-	56,56,56,56	0
55	MG	2A	3004	1/1	0.88	0.23	-	52,52,52,52	0
55	MG	2a	1632	1/1	0.96	0.45	-	73,73,73,73	0
55	MG	2A	3607	1/1	0.98	0.06	-	74,74,74,74	0
55	MG	2A	3704	1/1	0.93	0.09	-	57,57,57,57	0
55	MG	2a	1760	1/1	0.93	0.22	-	71,71,71,71	0
55	MG	1A	3714	1/1	0.92	0.04	-	80,80,80,80	0
55	MG	2A	3379	1/1	0.95	0.08	-	76,76,76,76	0
55	MG	2a	1754	1/1	0.96	0.64	-	78,78,78,78	0
55	MG	2G	3001	1/1	0.87	0.20	-	82,82,82,82	0
55	MG	1A	3565	1/1	0.91	0.17	-	26,26,26,26	0
55	MG	1d	502	1/1	0.85	0.27	-	71,71,71,71	0
55	MG	1A	3601	1/1	0.95	0.07	-	38,38,38,38	0
55	MG	1A	3324	1/1	0.96	0.16	-	24,24,24,24	0
55	MG	1A	3275	1/1	0.91	0.20	-	38,38,38,38	0
55	MG	1A	3225	1/1	0.90	0.20	-	32,32,32,32	0
55	MG	2A	3801	1/1	0.72	0.29	-	86,86,86,86	0
55	MG	2A	3268	1/1	0.91	0.18	-	54,54,54,54	0
55	MG	1a	3201	1/1	0.86	0.10	-	80,80,80,80	0
55	MG	1A	3677	1/1	0.93	0.23	-	38,38,38,38	0
55	MG	2A	3252	1/1	0.94	0.33	-	54,54,54,54	0
55	MG	1A	3105	1/1	0.92	0.29	-	35,35,35,35	0
55	MG	2A	3420	1/1	0.89	0.14	-	58,58,58,58	0
55	MG	1A	3384	1/1	0.88	0.10	-	70,70,70,70	0
55	MG	1a	3119	1/1	0.94	0.13	-	78,78,78,78	0
55	MG	1a	3059	1/1	0.96	0.15	-	78,78,78,78	0
55	MG	1A	3088	1/1	0.93	0.51	-	34,34,34,34	0
55	MG	1A	3392	1/1	0.85	0.34	-	57,57,57,57	0
55	MG	1A	3694	1/1	0.96	0.23	-	46,46,46,46	0
55	MG	1A	3472	1/1	0.85	0.15	-	64,64,64,64	0
55	MG	1A	3575	1/1	0.90	0.59	-	45,45,45,45	0
55	MG	1A	3448	1/1	0.95	0.17	-	19,19,19,19	0
55	MG	1A	3704	1/1	0.89	0.32	-	57,57,57,57	0
55	MG	1A	3666	1/1	0.97	0.22	-	53,53,53,53	0
55	MG	1a	3037	1/1	0.97	0.16	-	70,70,70,70	0
55	MG	2A	3062	1/1	0.92	0.29	-	56,56,56,56	0
55	MG	1a	3068	1/1	0.86	0.23	-	71,71,71,71	0
55	MG	1a	3073	1/1	0.78	0.16	-	75,75,75,75	0
55	MG	2A	3761	1/1	0.97	0.16	-	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2D	303	1/1	0.92	0.23	-	54,54,54,54	0
55	MG	1A	3508	1/1	0.90	0.13	-	72,72,72,72	0
55	MG	1A	3831	1/1	0.90	0.19	-	43,43,43,43	0
55	MG	1A	3181	1/1	0.96	0.42	-	43,43,43,43	0
55	MG	1A	3697	1/1	0.82	0.30	-	64,64,64,64	0
55	MG	1a	3133	1/1	0.88	0.44	-	77,77,77,77	0
55	MG	2A	3404	1/1	0.90	0.11	-	47,47,47,47	0
55	MG	2A	3217	1/1	0.95	0.10	-	57,57,57,57	0
55	MG	2a	1695	1/1	0.94	0.30	-	65,65,65,65	0
55	MG	2B	3001	1/1	0.99	0.20	-	64,64,64,64	0
55	MG	1A	3379	1/1	0.95	0.18	-	67,67,67,67	0
55	MG	1a	3173	1/1	0.89	0.22	-	68,68,68,68	0
55	MG	1A	3002	1/1	0.87	0.23	-	55,55,55,55	0
55	MG	1a	3113	1/1	0.91	0.25	-	65,65,65,65	0
55	MG	2A	3429	1/1	0.97	0.18	-	76,76,76,76	0
55	MG	1A	3036	1/1	0.86	0.24	-	40,40,40,40	0
55	MG	1A	3080	1/1	0.89	0.29	-	45,45,45,45	0
55	MG	1a	3093	1/1	0.95	0.06	-	68,68,68,68	0
55	MG	2A	3137	1/1	0.95	0.40	-	58,58,58,58	0
55	MG	2a	1654	1/1	0.70	0.61	-	79,79,79,79	0
55	MG	2A	3706	1/1	0.77	0.08	-	93,93,93,93	0
55	MG	2E	304	1/1	0.94	0.15	-	71,71,71,71	0
55	MG	1A	3408	1/1	0.94	0.20	-	43,43,43,43	0
55	MG	2A	3473	1/1	0.66	0.13	-	71,71,71,71	0
55	MG	1A	3235	1/1	0.88	0.41	-	72,72,72,72	0
55	MG	1a	3141	1/1	0.94	0.12	-	78,78,78,78	0
55	MG	2A	3745	1/1	0.98	0.10	-	65,65,65,65	0
55	MG	1A	3795	1/1	0.96	0.12	-	48,48,48,48	0
55	MG	2A	3786	1/1	0.92	0.14	-	66,66,66,66	0
55	MG	1A	3487	1/1	0.98	0.10	-	32,32,32,32	0
55	MG	1A	3459	1/1	0.96	0.07	-	65,65,65,65	0
55	MG	1A	3412	1/1	0.98	0.21	-	22,22,22,22	0
55	MG	1A	3394	1/1	0.91	0.63	-	75,75,75,75	0
55	MG	1A	3614	1/1	0.96	0.03	-	50,50,50,50	0
55	MG	1A	3076	1/1	0.94	0.49	-	43,43,43,43	0
55	MG	2A	3615	1/1	0.90	0.23	-	59,59,59,59	0
55	MG	2A	3057	1/1	0.73	0.39	-	48,48,48,48	0
55	MG	1A	3498	1/1	0.90	0.39	-	67,67,67,67	0
55	MG	1A	3127	1/1	0.86	0.14	-	36,36,36,36	0
55	MG	1A	3890	1/1	0.78	0.20	-	45,45,45,45	0
55	MG	1B	204	1/1	0.84	0.25	-	72,72,72,72	0
55	MG	1A	3580	1/1	0.95	0.22	-	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	2a	1636	1/1	0.78	0.28	-	67,67,67,67	0
55	MG	2a	1750	1/1	0.55	0.20	-	103,103,103,103	0
55	MG	1A	3237	1/1	0.90	0.28	-	42,42,42,42	0
55	MG	1a	3167	1/1	0.95	0.09	-	79,79,79,79	0
55	MG	2E	302	1/1	0.98	0.14	-	39,39,39,39	0
55	MG	2A	3387	1/1	0.97	0.07	-	58,58,58,58	0
55	MG	2A	3332	1/1	0.89	0.17	-	63,63,63,63	0
55	MG	2A	3600	1/1	0.95	0.37	-	53,53,53,53	0
55	MG	2A	3120	1/1	0.96	0.07	-	75,75,75,75	0
55	MG	2W	3001	1/1	0.92	0.24	-	57,57,57,57	0
55	MG	2A	3369	1/1	0.95	0.07	-	81,81,81,81	0
55	MG	2A	3755	1/1	0.94	0.19	-	63,63,63,63	0
55	MG	1A	3581	1/1	0.97	0.20	-	39,39,39,39	0
55	MG	2A	3686	1/1	0.81	0.11	-	93,93,93,93	0
55	MG	1a	3099	1/1	0.98	0.17	-	64,64,64,64	0
55	MG	1A	3155	1/1	0.96	0.70	-	60,60,60,60	0
55	MG	2A	3209	1/1	0.84	0.07	-	89,89,89,89	0
55	MG	2A	3428	1/1	0.92	0.09	-	68,68,68,68	0
55	MG	1A	3633	1/1	0.92	0.23	-	48,48,48,48	0
55	MG	2A	3243	1/1	0.83	0.45	-	55,55,55,55	0
55	MG	1a	3089	1/1	0.98	0.08	-	52,52,52,52	0
55	MG	1A	3033	1/1	0.95	0.41	-	52,52,52,52	0
55	MG	2A	3297	1/1	0.84	0.12	-	68,68,68,68	0
55	MG	2N	201	1/1	0.50	0.46	-	90,90,90,90	0
55	MG	1A	3162	1/1	0.83	0.26	-	62,62,62,62	0
55	MG	1A	3267	1/1	0.82	0.13	-	77,77,77,77	0
55	MG	1e	3001	1/1	0.95	0.25	-	61,61,61,61	0
55	MG	2A	3606	1/1	0.72	0.15	-	69,69,69,69	0
55	MG	2A	3251	1/1	0.99	0.16	-	52,52,52,52	0
55	MG	2a	1702	1/1	0.96	0.10	-	72,72,72,72	0
55	MG	2A	3584	1/1	0.92	0.18	-	65,65,65,65	0
55	MG	1A	3426	1/1	0.91	0.12	-	72,72,72,72	0
55	MG	1A	3875	1/1	0.93	0.36	-	52,52,52,52	0
55	MG	2a	1746	1/1	0.76	0.12	-	89,89,89,89	0
55	MG	2A	3602	1/1	0.72	0.13	-	73,73,73,73	0
55	MG	1A	3874	1/1	0.91	0.16	-	67,67,67,67	0
55	MG	1A	3558	1/1	0.83	0.19	-	72,72,72,72	0
55	MG	1a	3138	1/1	0.94	0.14	-	66,66,66,66	0
55	MG	1A	3199	1/1	0.86	0.67	-	41,41,41,41	0
55	MG	1R	201	1/1	0.88	0.20	-	59,59,59,59	0
55	MG	1A	3022	1/1	0.92	0.26	-	28,28,28,28	0
55	MG	1A	3755	1/1	0.90	0.18	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
55	MG	1A	3811	1/1	0.95	0.11	-	35,35,35,35	0
55	MG	1a	3007	1/1	0.86	0.27	-	71,71,71,71	0
55	MG	2A	3177	1/1	0.84	0.99	-	50,50,50,50	0
55	MG	1A	3537	1/1	0.93	0.24	-	63,63,63,63	0
55	MG	2A	3447	1/1	0.93	0.35	-	47,47,47,47	0
55	MG	2A	3278	1/1	0.92	0.12	-	53,53,53,53	0
55	MG	1a	3040	1/1	0.87	0.24	-	73,73,73,73	0
55	MG	1a	3121	1/1	0.96	0.68	-	72,72,72,72	0
55	MG	2A	3515	1/1	0.96	0.09	-	50,50,50,50	0
55	MG	2A	3273	1/1	0.98	0.13	-	44,44,44,44	0
55	MG	1A	3840	1/1	0.84	0.24	-	64,64,64,64	0
55	MG	1a	3156	1/1	0.97	0.13	-	70,70,70,70	0
55	MG	2A	3179	1/1	0.84	0.75	-	63,63,63,63	0
55	MG	1A	3212	1/1	0.96	0.47	-	39,39,39,39	0
55	MG	1A	3319	1/1	0.76	0.20	-	64,64,64,64	0
55	MG	1A	3266	1/1	0.96	0.18	-	34,34,34,34	0
55	MG	1A	3905	1/1	0.92	0.08	-	58,58,58,58	0
55	MG	2a	1734	1/1	0.87	0.05	-	73,73,73,73	0
55	MG	2A	3336	1/1	0.84	0.77	-	76,76,76,76	0
55	MG	1A	3299	1/1	0.88	0.20	-	37,37,37,37	0
55	MG	1A	3429	1/1	0.95	0.11	-	41,41,41,41	0
55	MG	2P	202	1/1	0.67	0.31	-	74,74,74,74	0
55	MG	2a	1787	1/1	0.98	0.04	-	78,78,78,78	0
55	MG	1a	3090	1/1	0.98	0.06	-	39,39,39,39	0
55	MG	20	101	1/1	0.86	0.25	-	84,84,84,84	0
55	MG	2A	3312	1/1	0.96	0.13	-	62,62,62,62	0
55	MG	2A	3740	1/1	0.89	0.24	-	78,78,78,78	0
55	MG	2l	201	1/1	0.66	0.81	-	106,106,106,106	0
55	MG	2A	3460	1/1	0.93	0.17	-	44,44,44,44	0
55	MG	2A	3205	1/1	0.97	0.14	-	44,44,44,44	0
55	MG	1A	3658	1/1	0.95	0.05	-	50,50,50,50	0
55	MG	2A	3353	1/1	0.97	0.06	-	70,70,70,70	0
55	MG	2A	3539	1/1	0.92	0.12	-	64,64,64,64	0
55	MG	2A	3665	1/1	0.92	0.09	-	54,54,54,54	0
55	MG	1a	3216	1/1	0.82	0.11	-	96,96,96,96	0
55	MG	1A	3789	1/1	0.92	0.13	-	89,89,89,89	0

6.5 Other polymers [i](#)

There are no such residues in this entry.