



# wwPDB X-ray Structure Validation Summary Report ⓘ

Feb 1, 2016 – 10:31 PM GMT

PDB ID : 4V9Q  
Title : Crystal Structure of Blasticidin S Bound to Thermus Thermophilus 70S Ribosome.  
Authors : Svidritskiy, E.; Ling, C.; Ermolenko, D.N.; Korostelev, A.A.  
Deposited on : 2013-06-12  
Resolution : 3.40 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.  
We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)  
A user guide is available at  
<http://wwpdb.org/validation/2016/XrayValidationReportHelp>  
with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467  
Mogul : 1.7 (RC4), CSD as536be (2015)  
Xtriage (Phenix) : 1.9-1692  
EDS : rb-20026688  
Percentile statistics : 20151230.v01 (using entries in the PDB archive December 30th 2015)  
Refmac : 5.8.0135  
CCP4 : 6.5.0  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : trunk26865

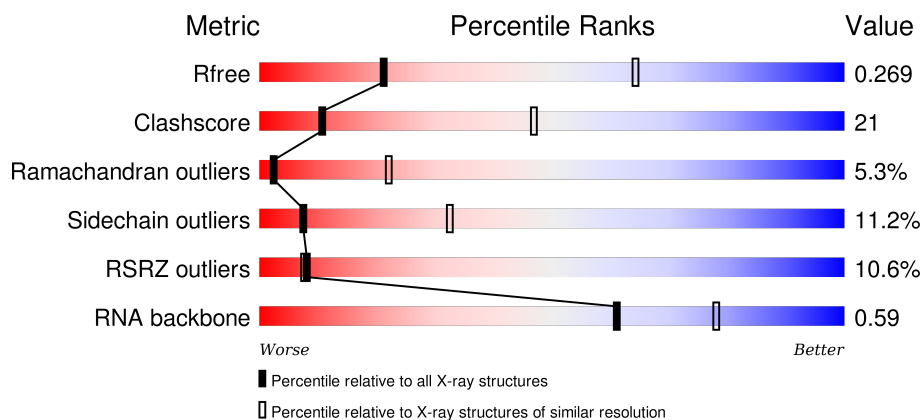
# 1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

## *X-RAY DIFFRACTION*

The reported resolution of this entry is 3.40 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	1476 (3.50-3.30)
Clashscore	102246	1611 (3.50-3.30)
Ramachandran outliers	100387	1571 (3.50-3.30)
Sidechain outliers	100360	1571 (3.50-3.30)
RSRZ outliers	91569	1485 (3.50-3.30)
RNA backbone	2183	1041 (4.00-2.80)

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

Mol	Chain	Length	Quality of chain
1	AA	2879	<div> <div>5%</div> <div> <div></div> <div>50%</div> <div>39%</div> <div>10%</div> </div> <div></div> </div>
1	CA	2879	<div> <div>4%</div> <div> <div></div> <div>50%</div> <div>39%</div> <div>10%</div> </div> <div></div> </div>
2	AB	119	<div> <div>3%</div> <div> <div></div> <div>55%</div> <div>39%</div> <div>6%</div> </div> <div></div> </div>
2	CB	119	<div> <div>%</div> <div> <div></div> <div>52%</div> <div>42%</div> <div>6%</div> </div> <div></div> </div>

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Mol	Chain	Length	Quality of chain
3	AD	271	
3	CD	271	
4	AE	204	
4	CE	204	
5	AF	202	
5	CF	202	
6	AG	181	
6	CG	181	
7	AH	159	
7	CH	159	
8	AI	145	
8	CI	145	
9	AJ	137	
9	CJ	137	
10	AK	122	
10	CK	122	
11	AL	146	
11	CL	146	
12	AM	134	
12	CM	134	
13	AN	117	
13	CN	117	
14	AO	98	
14	CO	98	
15	AP	137	

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Mol	Chain	Length	Quality of chain
15	CP	137	
16	AQ	117	
16	CQ	117	
17	AR	101	
17	CR	101	
18	AS	112	
18	CS	112	
19	AT	92	
19	CT	92	
20	AU	100	
20	CU	100	
21	AV	187	
21	CV	187	
22	AW	76	
22	CW	76	
23	AX	88	
23	CX	88	
24	AY	62	
24	CY	62	
25	AZ	59	
25	CZ	59	
26	A1	30	
26	C1	30	
27	A2	52	
27	C2	52	

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Mol	Chain	Length	Quality of chain
28	A3	44	
28	C3	44	
29	A4	48	
29	C4	48	
30	A5	63	
30	C5	63	
31	BA	1504	
31	DA	1504	
32	BB	234	
32	DB	234	
33	BC	206	
33	DC	206	
34	BD	208	
34	DD	208	
35	BE	151	
35	DE	151	
36	BF	101	
36	DF	101	
37	BG	155	
37	DG	155	
38	BH	138	
38	DH	138	
39	BI	127	
39	DI	127	
40	BJ	98	

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Mol	Chain	Length	Quality of chain
40	DJ	98	
41	BK	114	
41	DK	114	
42	BL	122	
42	DL	122	
43	BM	117	
43	DM	117	
44	BN	60	
44	DN	60	
45	BO	88	
45	DO	88	
46	BP	83	
46	DP	83	
47	BQ	99	
47	DQ	99	
48	BR	70	
48	DR	70	
49	BS	78	
49	DS	78	
50	BT	99	
50	DT	99	
51	BU	24	
51	DU	24	
52	BV	77	
52	BW	77	

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Mol	Chain	Length	Quality of chain
52	DV	77	
52	DW	77	
53	BX	5	
53	DX	5	

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
54	BLS	AA	4001	-	-	-	X
54	BLS	CA	4405	-	-	-	X
55	MG	A3	103	-	-	-	X
55	MG	A4	102	-	-	-	X
55	MG	A4	104	-	-	-	X
55	MG	A4	105	-	-	-	X
55	MG	A5	102	-	-	-	X
55	MG	AA	4010	-	-	-	X
55	MG	AA	4015	-	-	-	X
55	MG	AA	4016	-	-	-	X
55	MG	AA	4018	-	-	-	X
55	MG	AA	4020	-	-	-	X
55	MG	AA	4029	-	-	-	X
55	MG	AA	4032	-	-	-	X
55	MG	AA	4034	-	-	-	X
55	MG	AA	4042	-	-	-	X
55	MG	AA	4054	-	-	-	X
55	MG	AA	4056	-	-	-	X
55	MG	AA	4065	-	-	-	X
55	MG	AA	4066	-	-	-	X
55	MG	AA	4073	-	-	-	X
55	MG	AA	4111	-	-	-	X
55	MG	AA	4127	-	-	-	X
55	MG	AA	4145	-	-	-	X
55	MG	AA	4146	-	-	-	X
55	MG	AA	4149	-	-	-	X
55	MG	AA	4155	-	-	-	X
55	MG	AA	4170	-	-	-	X
55	MG	AA	4171	-	-	-	X
55	MG	AA	4172	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	AA	4175	-	-	-	X
55	MG	AA	4176	-	-	-	X
55	MG	AA	4177	-	-	-	X
55	MG	AA	4178	-	-	-	X
55	MG	AA	4179	-	-	-	X
55	MG	AA	4185	-	-	-	X
55	MG	AA	4188	-	-	-	X
55	MG	AA	4189	-	-	-	X
55	MG	AA	4190	-	-	-	X
55	MG	AA	4194	-	-	-	X
55	MG	AA	4196	-	-	-	X
55	MG	AA	4197	-	-	-	X
55	MG	AA	4204	-	-	-	X
55	MG	AA	4208	-	-	-	X
55	MG	AA	4214	-	-	-	X
55	MG	AA	4223	-	-	-	X
55	MG	AA	4229	-	-	-	X
55	MG	AA	4231	-	-	-	X
55	MG	AA	4234	-	-	-	X
55	MG	AA	4238	-	-	-	X
55	MG	AA	4241	-	-	-	X
55	MG	AA	4242	-	-	-	X
55	MG	AA	4245	-	-	-	X
55	MG	AA	4246	-	-	-	X
55	MG	AA	4248	-	-	-	X
55	MG	AA	4251	-	-	-	X
55	MG	AA	4257	-	-	-	X
55	MG	AA	4260	-	-	-	X
55	MG	AA	4264	-	-	-	X
55	MG	AA	4265	-	-	-	X
55	MG	AA	4266	-	-	-	X
55	MG	AA	4268	-	-	-	X
55	MG	AA	4270	-	-	-	X
55	MG	AA	4272	-	-	-	X
55	MG	AA	4276	-	-	-	X
55	MG	AA	4284	-	-	-	X
55	MG	AA	4290	-	-	-	X
55	MG	AA	4293	-	-	-	X
55	MG	AA	4294	-	-	-	X
55	MG	AA	4295	-	-	-	X
55	MG	AA	4306	-	-	-	X
55	MG	AA	4333	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	AA	4340	-	-	-	X
55	MG	AA	4350	-	-	-	X
55	MG	AA	4351	-	-	-	X
55	MG	AA	4356	-	-	-	X
55	MG	AA	4358	-	-	-	X
55	MG	AA	4360	-	-	-	X
55	MG	AA	4378	-	-	-	X
55	MG	AA	4398	-	-	-	X
55	MG	AA	4405	-	-	-	X
55	MG	AA	4415	-	-	-	X
55	MG	AA	4421	-	-	-	X
55	MG	AA	4422	-	-	-	X
55	MG	AA	4426	-	-	-	X
55	MG	AA	4441	-	-	-	X
55	MG	AA	4449	-	-	-	X
55	MG	AA	4453	-	-	-	X
55	MG	AA	4460	-	-	-	X
55	MG	AA	4461	-	-	-	X
55	MG	AA	4462	-	-	-	X
55	MG	AA	4464	-	-	-	X
55	MG	AA	4487	-	-	-	X
55	MG	AA	4490	-	-	-	X
55	MG	AA	4502	-	-	-	X
55	MG	AA	4505	-	-	-	X
55	MG	AA	4512	-	-	-	X
55	MG	AA	4530	-	-	-	X
55	MG	AA	4545	-	-	-	X
55	MG	AA	4555	-	-	-	X
55	MG	AA	4561	-	-	-	X
55	MG	AA	4563	-	-	-	X
55	MG	AA	4567	-	-	-	X
55	MG	AA	4569	-	-	-	X
55	MG	AA	4573	-	-	-	X
55	MG	AA	4574	-	-	-	X
55	MG	AA	4579	-	-	-	X
55	MG	AA	4580	-	-	-	X
55	MG	AA	4585	-	-	-	X
55	MG	AA	4588	-	-	-	X
55	MG	AA	4597	-	-	-	X
55	MG	AA	4598	-	-	-	X
55	MG	AA	4600	-	-	-	X
55	MG	AA	4605	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	AA	4631	-	-	-	X
55	MG	AA	4647	-	-	-	X
55	MG	AA	4649	-	-	-	X
55	MG	AA	4652	-	-	-	X
55	MG	AA	4663	-	-	-	X
55	MG	AA	4666	-	-	-	X
55	MG	AA	4667	-	-	-	X
55	MG	AA	4690	-	-	-	X
55	MG	AA	4704	-	-	-	X
55	MG	AA	4705	-	-	-	X
55	MG	AA	4710	-	-	-	X
55	MG	AA	4712	-	-	-	X
55	MG	AA	4720	-	-	-	X
55	MG	AA	4726	-	-	-	X
55	MG	AA	4739	-	-	-	X
55	MG	AA	4776	-	-	-	X
55	MG	AA	4787	-	-	-	X
55	MG	AA	4852	-	-	-	X
55	MG	AA	4854	-	-	-	X
55	MG	AA	4855	-	-	-	X
55	MG	AA	4859	-	-	-	X
55	MG	AA	4868	-	-	-	X
55	MG	AA	4874	-	-	-	X
55	MG	AA	4889	-	-	-	X
55	MG	AA	4908	-	-	-	X
55	MG	AA	4990	-	-	-	X
55	MG	AA	4996	-	-	-	X
55	MG	AA	5002	-	-	-	X
55	MG	AA	5008	-	-	-	X
55	MG	AA	5012	-	-	-	X
55	MG	AA	5019	-	-	-	X
55	MG	AA	5026	-	-	-	X
55	MG	AA	5038	-	-	-	X
55	MG	AA	5069	-	-	-	X
55	MG	AA	5079	-	-	-	X
55	MG	AA	5097	-	-	-	X
55	MG	AA	5111	-	-	-	X
55	MG	AA	5117	-	-	-	X
55	MG	AA	5126	-	-	-	X
55	MG	AA	5129	-	-	-	X
55	MG	AA	5135	-	-	-	X
55	MG	AA	5137	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	AA	5159	-	-	-	X
55	MG	AA	5170	-	-	-	X
55	MG	AA	5175	-	-	-	X
55	MG	AA	5176	-	-	-	X
55	MG	AA	5186	-	-	-	X
55	MG	AA	5226	-	-	-	X
55	MG	AA	5231	-	-	-	X
55	MG	AA	5245	-	-	-	X
55	MG	AA	5266	-	-	-	X
55	MG	AA	5277	-	-	-	X
55	MG	AA	5283	-	-	-	X
55	MG	AB	201	-	-	-	X
55	MG	AB	213	-	-	-	X
55	MG	AD	302	-	-	-	X
55	MG	AE	303	-	-	-	X
55	MG	AF	301	-	-	-	X
55	MG	AF	304	-	-	-	X
55	MG	AG	201	-	-	-	X
55	MG	AL	201	-	-	-	X
55	MG	AL	202	-	-	-	X
55	MG	AN	202	-	-	-	X
55	MG	AS	204	-	-	-	X
55	MG	AX	103	-	-	-	X
55	MG	AY	101	-	-	-	X
55	MG	BA	1604	-	-	-	X
55	MG	BA	1605	-	-	-	X
55	MG	BA	1615	-	-	-	X
55	MG	BA	1635	-	-	-	X
55	MG	BA	1650	-	-	-	X
55	MG	BA	1676	-	-	-	X
55	MG	BA	1684	-	-	-	X
55	MG	BA	1685	-	-	-	X
55	MG	BA	1695	-	-	-	X
55	MG	BA	1697	-	-	-	X
55	MG	BA	1701	-	-	-	X
55	MG	BA	1714	-	-	-	X
55	MG	BA	1731	-	-	-	X
55	MG	BA	1736	-	-	-	X
55	MG	BA	1744	-	-	-	X
55	MG	BA	1751	-	-	-	X
55	MG	BA	1761	-	-	-	X
55	MG	BA	1762	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	BA	1779	-	-	-	X
55	MG	BA	1783	-	-	-	X
55	MG	BA	1788	-	-	-	X
55	MG	BA	1808	-	-	-	X
55	MG	BA	1815	-	-	-	X
55	MG	BA	1838	-	-	-	X
55	MG	BA	1844	-	-	-	X
55	MG	BA	1851	-	-	-	X
55	MG	BA	1861	-	-	-	X
55	MG	BA	1867	-	-	-	X
55	MG	BA	1889	-	-	-	X
55	MG	BA	1892	-	-	-	X
55	MG	BA	1900	-	-	-	X
55	MG	BA	1904	-	-	-	X
55	MG	BA	1906	-	-	-	X
55	MG	BA	1932	-	-	-	X
55	MG	BA	1985	-	-	-	X
55	MG	BA	1995	-	-	-	X
55	MG	BA	2009	-	-	-	X
55	MG	BA	2060	-	-	-	X
55	MG	BA	2062	-	-	-	X
55	MG	BA	2063	-	-	-	X
55	MG	BA	2084	-	-	-	X
55	MG	BA	2098	-	-	-	X
55	MG	BA	2134	-	-	-	X
55	MG	BC	301	-	-	-	X
55	MG	BE	201	-	-	-	X
55	MG	BE	202	-	-	-	X
55	MG	BE	203	-	-	-	X
55	MG	BI	201	-	-	-	X
55	MG	BL	201	-	-	-	X
55	MG	BQ	201	-	-	-	X
55	MG	BT	201	-	-	-	X
55	MG	BV	123	-	-	-	X
55	MG	C4	101	-	-	-	X
55	MG	C4	102	-	-	-	X
55	MG	C4	104	-	-	-	X
55	MG	CA	2901	-	-	-	X
55	MG	CA	2903	-	-	-	X
55	MG	CA	2918	-	-	-	X
55	MG	CA	2919	-	-	-	X
55	MG	CA	2926	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	CA	2940	-	-	-	X
55	MG	CA	2943	-	-	-	X
55	MG	CA	2945	-	-	-	X
55	MG	CA	2956	-	-	-	X
55	MG	CA	2959	-	-	-	X
55	MG	CA	2965	-	-	-	X
55	MG	CA	2995	-	-	-	X
55	MG	CA	2998	-	-	-	X
55	MG	CA	3006	-	-	-	X
55	MG	CA	3007	-	-	-	X
55	MG	CA	3016	-	-	-	X
55	MG	CA	3020	-	-	-	X
55	MG	CA	3026	-	-	-	X
55	MG	CA	3028	-	-	-	X
55	MG	CA	3032	-	-	-	X
55	MG	CA	3039	-	-	-	X
55	MG	CA	3044	-	-	-	X
55	MG	CA	3075	-	-	-	X
55	MG	CA	3087	-	-	-	X
55	MG	CA	3092	-	-	-	X
55	MG	CA	3096	-	-	-	X
55	MG	CA	3098	-	-	-	X
55	MG	CA	3102	-	-	-	X
55	MG	CA	3106	-	-	-	X
55	MG	CA	3107	-	-	-	X
55	MG	CA	3109	-	-	-	X
55	MG	CA	3118	-	-	-	X
55	MG	CA	3119	-	-	-	X
55	MG	CA	3120	-	-	-	X
55	MG	CA	3122	-	-	-	X
55	MG	CA	3124	-	-	-	X
55	MG	CA	3125	-	-	-	X
55	MG	CA	3129	-	-	-	X
55	MG	CA	3138	-	-	-	X
55	MG	CA	3147	-	-	-	X
55	MG	CA	3151	-	-	-	X
55	MG	CA	3153	-	-	-	X
55	MG	CA	3155	-	-	-	X
55	MG	CA	3161	-	-	-	X
55	MG	CA	3167	-	-	-	X
55	MG	CA	3172	-	-	-	X
55	MG	CA	3181	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	CA	3182	-	-	-	X
55	MG	CA	3184	-	-	-	X
55	MG	CA	3193	-	-	-	X
55	MG	CA	3199	-	-	-	X
55	MG	CA	3202	-	-	-	X
55	MG	CA	3209	-	-	-	X
55	MG	CA	3216	-	-	-	X
55	MG	CA	3217	-	-	-	X
55	MG	CA	3223	-	-	-	X
55	MG	CA	3233	-	-	-	X
55	MG	CA	3238	-	-	-	X
55	MG	CA	3250	-	-	-	X
55	MG	CA	3287	-	-	-	X
55	MG	CA	3290	-	-	-	X
55	MG	CA	3302	-	-	-	X
55	MG	CA	3306	-	-	-	X
55	MG	CA	3308	-	-	-	X
55	MG	CA	3313	-	-	-	X
55	MG	CA	3315	-	-	-	X
55	MG	CA	3321	-	-	-	X
55	MG	CA	3323	-	-	-	X
55	MG	CA	3324	-	-	-	X
55	MG	CA	3326	-	-	-	X
55	MG	CA	3328	-	-	-	X
55	MG	CA	3332	-	-	-	X
55	MG	CA	3340	-	-	-	X
55	MG	CA	3341	-	-	-	X
55	MG	CA	3344	-	-	-	X
55	MG	CA	3345	-	-	-	X
55	MG	CA	3350	-	-	-	X
55	MG	CA	3356	-	-	-	X
55	MG	CA	3360	-	-	-	X
55	MG	CA	3367	-	-	-	X
55	MG	CA	3368	-	-	-	X
55	MG	CA	3371	-	-	-	X
55	MG	CA	3379	-	-	-	X
55	MG	CA	3391	-	-	-	X
55	MG	CA	3393	-	-	-	X
55	MG	CA	3416	-	-	-	X
55	MG	CA	3418	-	-	-	X
55	MG	CA	3427	-	-	-	X
55	MG	CA	3436	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	CA	3437	-	-	-	X
55	MG	CA	3439	-	-	-	X
55	MG	CA	3459	-	-	-	X
55	MG	CA	3465	-	-	-	X
55	MG	CA	3489	-	-	-	X
55	MG	CA	3499	-	-	-	X
55	MG	CA	3502	-	-	-	X
55	MG	CA	3505	-	-	-	X
55	MG	CA	3521	-	-	-	X
55	MG	CA	3522	-	-	-	X
55	MG	CA	3534	-	-	-	X
55	MG	CA	3549	-	-	-	X
55	MG	CA	3571	-	-	-	X
55	MG	CA	3573	-	-	-	X
55	MG	CA	3574	-	-	-	X
55	MG	CA	3577	-	-	-	X
55	MG	CA	3588	-	-	-	X
55	MG	CA	3600	-	-	-	X
55	MG	CA	3602	-	-	-	X
55	MG	CA	3609	-	-	-	X
55	MG	CA	3618	-	-	-	X
55	MG	CA	3619	-	-	-	X
55	MG	CA	3621	-	-	-	X
55	MG	CA	3624	-	-	-	X
55	MG	CA	3625	-	-	-	X
55	MG	CA	3629	-	-	-	X
55	MG	CA	3631	-	-	-	X
55	MG	CA	3633	-	-	-	X
55	MG	CA	3650	-	-	-	X
55	MG	CA	3653	-	-	-	X
55	MG	CA	3656	-	-	-	X
55	MG	CA	3666	-	-	-	X
55	MG	CA	3669	-	-	-	X
55	MG	CA	3679	-	-	-	X
55	MG	CA	3685	-	-	-	X
55	MG	CA	3686	-	-	-	X
55	MG	CA	3688	-	-	-	X
55	MG	CA	3699	-	-	-	X
55	MG	CA	3700	-	-	-	X
55	MG	CA	3704	-	-	-	X
55	MG	CA	3711	-	-	-	X
55	MG	CA	3724	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	CA	3734	-	-	-	X
55	MG	CA	3736	-	-	-	X
55	MG	CA	3750	-	-	-	X
55	MG	CA	3751	-	-	-	X
55	MG	CA	3756	-	-	-	X
55	MG	CA	3759	-	-	-	X
55	MG	CA	3769	-	-	-	X
55	MG	CA	3770	-	-	-	X
55	MG	CA	3772	-	-	-	X
55	MG	CA	3781	-	-	-	X
55	MG	CA	3785	-	-	-	X
55	MG	CA	3796	-	-	-	X
55	MG	CA	3802	-	-	-	X
55	MG	CA	3807	-	-	-	X
55	MG	CA	3808	-	-	-	X
55	MG	CA	3809	-	-	-	X
55	MG	CA	3819	-	-	-	X
55	MG	CA	3829	-	-	-	X
55	MG	CA	3832	-	-	-	X
55	MG	CA	3839	-	-	-	X
55	MG	CA	3844	-	-	-	X
55	MG	CA	3845	-	-	-	X
55	MG	CA	3896	-	-	-	X
55	MG	CA	3900	-	-	-	X
55	MG	CA	3909	-	-	-	X
55	MG	CA	3914	-	-	-	X
55	MG	CA	3917	-	-	-	X
55	MG	CA	3960	-	-	-	X
55	MG	CA	3963	-	-	-	X
55	MG	CA	3990	-	-	-	X
55	MG	CA	4001	-	-	-	X
55	MG	CA	4003	-	-	-	X
55	MG	CA	4018	-	-	-	X
55	MG	CA	4032	-	-	-	X
55	MG	CA	4046	-	-	-	X
55	MG	CA	4066	-	-	-	X
55	MG	CA	4097	-	-	-	X
55	MG	CA	4116	-	-	-	X
55	MG	CA	4118	-	-	-	X
55	MG	CA	4123	-	-	-	X
55	MG	CA	4135	-	-	-	X
55	MG	CA	4136	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	CA	4145	-	-	-	X
55	MG	CA	4156	-	-	-	X
55	MG	CA	4182	-	-	-	X
55	MG	CA	4197	-	-	-	X
55	MG	CA	4221	-	-	-	X
55	MG	CA	4229	-	-	-	X
55	MG	CA	4235	-	-	-	X
55	MG	CA	4240	-	-	-	X
55	MG	CA	4244	-	-	-	X
55	MG	CA	4249	-	-	-	X
55	MG	CA	4250	-	-	-	X
55	MG	CA	4251	-	-	-	X
55	MG	CA	4266	-	-	-	X
55	MG	CA	4284	-	-	-	X
55	MG	CA	4290	-	-	-	X
55	MG	CA	4302	-	-	-	X
55	MG	CA	4305	-	-	-	X
55	MG	CA	4342	-	-	-	X
55	MG	CA	4353	-	-	-	X
55	MG	CA	4370	-	-	-	X
55	MG	CA	4374	-	-	-	X
55	MG	CA	4376	-	-	-	X
55	MG	CB	221	-	-	-	X
55	MG	CB	228	-	-	-	X
55	MG	CB	254	-	-	-	X
55	MG	CD	302	-	-	-	X
55	MG	CD	303	-	-	-	X
55	MG	CE	303	-	-	-	X
55	MG	CE	305	-	-	-	X
55	MG	CF	301	-	-	-	X
55	MG	CF	303	-	-	-	X
55	MG	CF	304	-	-	-	X
55	MG	CF	306	-	-	-	X
55	MG	CJ	201	-	-	-	X
55	MG	CK	201	-	-	-	X
55	MG	CL	201	-	-	-	X
55	MG	CL	203	-	-	-	X
55	MG	CL	206	-	-	-	X
55	MG	CN	201	-	-	-	X
55	MG	CN	203	-	-	-	X
55	MG	CQ	202	-	-	-	X
55	MG	CQ	203	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	CQ	204	-	-	-	X
55	MG	CR	202	-	-	-	X
55	MG	CS	201	-	-	-	X
55	MG	CW	101	-	-	-	X
55	MG	CW	103	-	-	-	X
55	MG	CX	101	-	-	-	X
55	MG	DA	1606	-	-	-	X
55	MG	DA	1607	-	-	-	X
55	MG	DA	1612	-	-	-	X
55	MG	DA	1633	-	-	-	X
55	MG	DA	1637	-	-	-	X
55	MG	DA	1649	-	-	-	X
55	MG	DA	1655	-	-	-	X
55	MG	DA	1657	-	-	-	X
55	MG	DA	1689	-	-	-	X
55	MG	DA	1692	-	-	-	X
55	MG	DA	1699	-	-	-	X
55	MG	DA	1702	-	-	-	X
55	MG	DA	1704	-	-	-	X
55	MG	DA	1710	-	-	-	X
55	MG	DA	1712	-	-	-	X
55	MG	DA	1717	-	-	-	X
55	MG	DA	1727	-	-	-	X
55	MG	DA	1749	-	-	-	X
55	MG	DA	1753	-	-	-	X
55	MG	DA	1759	-	-	-	X
55	MG	DA	1800	-	-	-	X
55	MG	DA	1826	-	-	-	X
55	MG	DA	1836	-	-	-	X
55	MG	DA	1864	-	-	-	X
55	MG	DA	1865	-	-	-	X
55	MG	DA	1866	-	-	-	X
55	MG	DA	1880	-	-	-	X
55	MG	DA	1881	-	-	-	X
55	MG	DA	1891	-	-	-	X
55	MG	DA	1898	-	-	-	X
55	MG	DA	1903	-	-	-	X
55	MG	DA	1954	-	-	-	X
55	MG	DA	1966	-	-	-	X
55	MG	DA	1973	-	-	-	X
55	MG	DA	1992	-	-	-	X
55	MG	DA	2024	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	DA	2074	-	-	-	X
55	MG	DA	2076	-	-	-	X
55	MG	DA	2115	-	-	-	X
55	MG	DA	2120	-	-	-	X
55	MG	DA	2121	-	-	-	X
55	MG	DA	2142	-	-	-	X
55	MG	DA	2156	-	-	-	X
55	MG	DA	2166	-	-	-	X
55	MG	DA	2170	-	-	-	X
55	MG	DA	2192	-	-	-	X
55	MG	DE	201	-	-	-	X
55	MG	DH	202	-	-	-	X
55	MG	DH	203	-	-	-	X

## 2 Entry composition [i](#)

There are 56 unique types of molecules in this entry. The entry contains 293113 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	AA	2832	Total	C	N	O	P	0	0	0
			60991	27143	11396	19620	2832			
1	CA	2832	Total	C	N	O	P	0	0	0
			60991	27143	11396	19620	2832			

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AA	276	C	A	CONFLICT	GB AE017221.1
AA	277	A	C	CONFLICT	GB AE017221.1
AA	1142	U	C	CONFLICT	GB AE017221.1
AA	2825	U	G	CONFLICT	GB AE017221.1
CA	276	C	A	CONFLICT	GB AE017221.1
CA	277	A	C	CONFLICT	GB AE017221.1
CA	1142	U	C	CONFLICT	GB AE017221.1
CA	2825	U	G	CONFLICT	GB AE017221.1

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	AB	119	Total	C	N	O	P	0	0	0
			2555	1136	471	829	119			
2	CB	119	Total	C	N	O	P	0	0	0
			2555	1136	471	829	119			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	AD	271	Total	C	N	O	S	0	0	0
			2105	1329	416	357	3			
3	CD	271	Total	C	N	O	S	0	0	0
			2105	1329	416	357	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	AE	204	Total	C	N	O	S	0	0	0
			1564	988	299	271	6			
4	CE	204	Total	C	N	O	S	0	0	0
			1564	988	299	271	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AF	202	Total	C	N	O	S	0	0	0
			1587	1011	297	276	3			
5	CF	202	Total	C	N	O	S	0	0	0
			1587	1011	297	276	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	AG	181	Total	C	N	O	S	0	0	0
			1475	943	268	260	4			
6	CG	181	Total	C	N	O	S	0	0	0
			1475	943	268	260	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	AH	159	Total	C	N	O	S	0	0	0
			1223	773	228	221	1			
7	CH	159	Total	C	N	O	S	0	0	0
			1223	773	228	221	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AI	145	Total	C	N	O	S	0	0	0
			1133	724	200	208	1			
8	CI	145	Total	C	N	O	S	0	0	0
			1133	724	200	208	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	AJ	137	Total	C	N	O	S	0	0	0
			1097	707	205	182	3			
9	CJ	137	Total	C	N	O	S	0	0	0
			1097	707	205	182	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	AK	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			
10	CK	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	AL	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			
11	CL	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	AM	134	Total	C	N	O	S	0	0	0
			1065	680	201	179	5			
12	CM	134	Total	C	N	O	S	0	0	0
			1065	680	201	179	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	AN	117	Total	C	N	O		0	0	0
			960	599	202	159				
13	CN	117	Total	C	N	O		0	0	0
			960	599	202	159				

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	AO	98	Total	C	N	O		0	0	0
			771	486	154	131				

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	CO	98	Total	C	N	O	0	0	0
			771	486	154	131			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	AP	137	Total	C	N	O	S	0	0	0
			1144	713	234	196	1			
15	CP	137	Total	C	N	O	S	0	0	0
			1144	713	234	196	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	AQ	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
16	CQ	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	AR	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
17	CR	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	AS	112	Total	C	N	O	S	0	0	0
			891	560	175	154	2			
18	CS	112	Total	C	N	O	S	0	0	0
			891	560	175	154	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
19	AT	92	Total	C	N	O	0	0	0
			726	471	131	124			
19	CT	92	Total	C	N	O	0	0	0
			726	471	131	124			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	AU	100	Total	C	N	O	S	0	0	0
			776	500	148	124	4			
20	CU	100	Total	C	N	O	S	0	0	0
			776	500	148	124	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	AV	187	Total	C	N	O	S	0	0	0
			1483	945	264	272	2			
21	CV	187	Total	C	N	O	S	0	0	0
			1483	945	264	272	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	AW	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			
22	CW	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
23	AX	88	Total	C	N	O	0	0	0
			695	435	141	119			
23	CX	88	Total	C	N	O	0	0	0
			695	435	141	119			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	AY	62	Total	C	N	O	S	0	0	0
			521	325	102	92	2			
24	CY	62	Total	C	N	O	S	0	0	0
			521	325	102	92	2			

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



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	AZ	59	Total	C	N	O	S	0	0	0
			468	298	90	79	1			
25	CZ	59	Total	C	N	O	S	0	0	0
			468	298	90	79	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	A1	30	Total	C	N	O	S	0	0	0
			226	142	36	44	4			
26	C1	30	Total	C	N	O	S	0	0	0
			226	142	36	44	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	A2	52	Total	C	N	O	S	0	0	0
			405	255	79	66	5			
27	C2	52	Total	C	N	O	S	0	0	0
			405	255	79	66	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	A3	44	Total	C	N	O	S	0	0	0
			381	235	77	65	4			
28	C3	44	Total	C	N	O	S	0	0	0
			381	235	77	65	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	A4	48	Total	C	N	O	S	0	0	0
			419	257	104	56	2			
29	C4	48	Total	C	N	O	S	0	0	0
			419	257	104	56	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	A5	63	Total	C	N	O	S	0	0	0
			508	326	101	79	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	C5	63	Total	C	N	O	S	0	0	0
			508	326	101	79	2			

- Molecule 31 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	BA	1504	Total	C	N	O	P	0	0	0
			32336	14391	5994	10447	1504			
31	DA	1504	Total	C	N	O	P	0	0	0
			32336	14391	5994	10447	1504			

- Molecule 32 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	BB	234	Total	C	N	O	S	0	0	0
			1901	1213	341	342	5			
32	DB	234	Total	C	N	O	S	0	0	0
			1901	1213	341	342	5			

- Molecule 33 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	BC	206	Total	C	N	O	S	0	0	0
			1613	1016	314	282	1			
33	DC	206	Total	C	N	O	S	0	0	0
			1613	1016	314	282	1			

- Molecule 34 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	BD	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			
34	DD	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			

- Molecule 35 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	BE	151	Total	C	N	O	S	0	0	0
			1156	729	218	205	4			
35	DE	151	Total	C	N	O	S	0	0	0
			1156	729	218	205	4			

- Molecule 36 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	BF	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			
36	DF	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			

- Molecule 37 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	BG	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			
37	DG	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			

- Molecule 38 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	BH	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			
38	DH	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			

- Molecule 39 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	BI	127	Total	C	N	O	0	0	0
			1011	639	198	174			
39	DI	127	Total	C	N	O	0	0	0
			1011	639	198	174			

- Molecule 40 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	BJ	98	Total	C	N	O	S	0	0	0
			795	499	156	139	1			
40	DJ	98	Total	C	N	O	S	0	0	0
			795	499	156	139	1			

- Molecule 41 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	BK	114	Total	C	N	O	S	0	0	0
			843	522	159	159	3			
41	DK	114	Total	C	N	O	S	0	0	0
			843	522	159	159	3			

- Molecule 42 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	BL	122	Total	C	N	O	S	0	0	0
			957	603	193	160	1			
42	DL	122	Total	C	N	O	S	0	0	0
			957	603	193	160	1			

- Molecule 43 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	BM	117	Total	C	N	O	S	0	0	0
			934	577	192	163	2			
43	DM	117	Total	C	N	O	S	0	0	0
			934	577	192	163	2			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BM	118	ALA	-	EXPRESSION TAG	UNP P62655

- Molecule 44 is a protein called 30S ribosomal protein S14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	BN	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
44	DN	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 45 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	BO	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			
45	DO	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			

- Molecule 46 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	BP	83	Total	C	N	O	S	0	0	0
			701	443	139	118	1			
46	DP	83	Total	C	N	O	S	0	0	0
			701	443	139	118	1			

- Molecule 47 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	BQ	99	Total	C	N	O	S	0	0	0
			824	528	152	142	2			
47	DQ	99	Total	C	N	O	S	0	0	0
			824	528	152	142	2			

- Molecule 48 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	BR	70	Total	C	N	O		0	0	0
			574	367	112	95				
48	DR	70	Total	C	N	O		0	0	0
			574	367	112	95				

- Molecule 49 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	BS	78	Total	C	N	O	S	0	0	0
			630	403	114	111	2			
49	DS	78	Total	C	N	O	S	0	0	0
			630	403	114	111	2			

- Molecule 50 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	BT	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			
50	DT	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	BU	24	Total	C	N	O		0	0	0
			209	128	50	31				

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	DU	24	Total	C	N	O	0	0	0
			209	128	50	31			

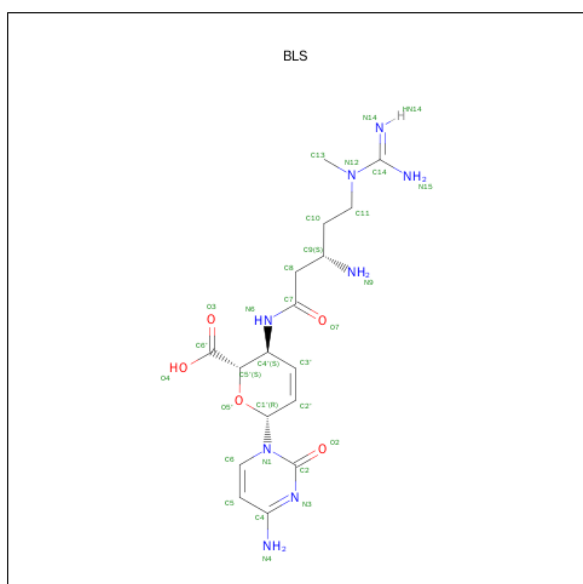
- Molecule 52 is a RNA chain called tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	BV	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
52	BW	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
52	DV	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
52	DW	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			

- Molecule 53 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	BX	5	Total	C	N	O	P	0	0	0
			109	49	22	33	5			
53	DX	5	Total	C	N	O	P	0	0	0
			109	49	22	33	5			

- Molecule 54 is BLASTICIDIN S (three-letter code: BLS) (formula: C<sub>17</sub>H<sub>26</sub>N<sub>8</sub>O<sub>5</sub>).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
54	AA	1	Total	C	N	O	0	0
			30	17	8	5		
54	CA	1	Total	C	N	O	0	0
			30	17	8	5		

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	AP	2	Total	Mg	0	0
			2	2		
55	DX	1	Total	Mg	0	0
			1	1		
55	BA	570	Total	Mg	0	0
			570	570		
55	AK	2	Total	Mg	0	0
			2	2		
55	DQ	1	Total	Mg	0	0
			1	1		
55	C5	3	Total	Mg	0	0
			3	3		
55	AB	50	Total	Mg	0	0
			50	50		
55	BL	2	Total	Mg	0	0
			2	2		
55	CV	4	Total	Mg	0	0
			4	4		
55	C3	2	Total	Mg	0	0
			2	2		
55	BE	5	Total	Mg	0	0
			5	5		
55	CR	2	Total	Mg	0	0
			2	2		
55	AN	4	Total	Mg	0	0
			4	4		
55	BP	1	Total	Mg	0	0
			1	1		
55	AX	6	Total	Mg	0	0
			6	6		
55	CN	3	Total	Mg	0	0
			3	3		
55	DR	2	Total	Mg	0	0
			2	2		
55	BI	2	Total	Mg	0	0
			2	2		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	AS	6	Total 6	Mg 6	0	0
55	CA	1504	Total 1504	Mg 1504	0	0
55	BB	2	Total 2	Mg 2	0	0
55	AJ	1	Total 1	Mg 1	0	0
55	BT	1	Total 1	Mg 1	0	0
55	C4	4	Total 4	Mg 4	0	0
55	AE	4	Total 4	Mg 4	0	0
55	DG	1	Total 1	Mg 1	0	0
55	CF	7	Total 7	Mg 7	0	0
55	DT	1	Total 1	Mg 1	0	0
55	DL	2	Total 2	Mg 2	0	0
55	AV	2	Total 2	Mg 2	0	0
55	CY	2	Total 2	Mg 2	0	0
55	AA	1296	Total 1296	Mg 1296	0	0
55	BQ	2	Total 2	Mg 2	0	0
55	CQ	5	Total 5	Mg 5	0	0
55	A5	2	Total 2	Mg 2	0	0
55	AR	5	Total 5	Mg 5	0	0
55	DV	24	Total 24	Mg 24	0	0
55	DM	1	Total 1	Mg 1	0	0
55	BC	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	AM	3	Total 3	Mg 3	0	0
55	BU	1	Total 1	Mg 1	0	0
55	DK	1	Total 1	Mg 1	0	0
55	AD	4	Total 4	Mg 4	0	0
55	DD	2	Total 2	Mg 2	0	0
55	CT	1	Total 1	Mg 1	0	0
55	DH	3	Total 3	Mg 3	0	0
55	CG	1	Total 1	Mg 1	0	0
55	BG	2	Total 2	Mg 2	0	0
55	DE	2	Total 2	Mg 2	0	0
55	CJ	2	Total 2	Mg 2	0	0
55	BR	1	Total 1	Mg 1	0	0
55	CP	1	Total 1	Mg 1	0	0
55	A4	5	Total 5	Mg 5	0	0
55	DA	604	Total 604	Mg 604	0	0
55	CE	6	Total 6	Mg 6	0	0
55	DW	22	Total 22	Mg 22	0	0
55	CK	2	Total 2	Mg 2	0	0
55	AL	2	Total 2	Mg 2	0	0
55	BV	30	Total 30	Mg 30	0	0
55	AG	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	BO	1	Total 1	Mg 1	0	0
55	CS	4	Total 4	Mg 4	0	0
55	CX	3	Total 3	Mg 3	0	0
55	DI	1	Total 1	Mg 1	0	0
55	CB	65	Total 65	Mg 65	0	0
55	DJ	1	Total 1	Mg 1	0	0
55	DO	2	Total 2	Mg 2	0	0
55	CO	1	Total 1	Mg 1	0	0
55	CI	1	Total 1	Mg 1	0	0
55	CW	4	Total 4	Mg 4	0	0
55	CD	6	Total 6	Mg 6	0	0
55	CL	7	Total 7	Mg 7	0	0
55	C2	2	Total 2	Mg 2	0	0
55	AO	1	Total 1	Mg 1	0	0
55	BW	19	Total 19	Mg 19	0	0
55	AY	1	Total 1	Mg 1	0	0
55	A3	3	Total 3	Mg 3	0	0
55	AF	6	Total 6	Mg 6	0	0
55	BH	1	Total 1	Mg 1	0	0

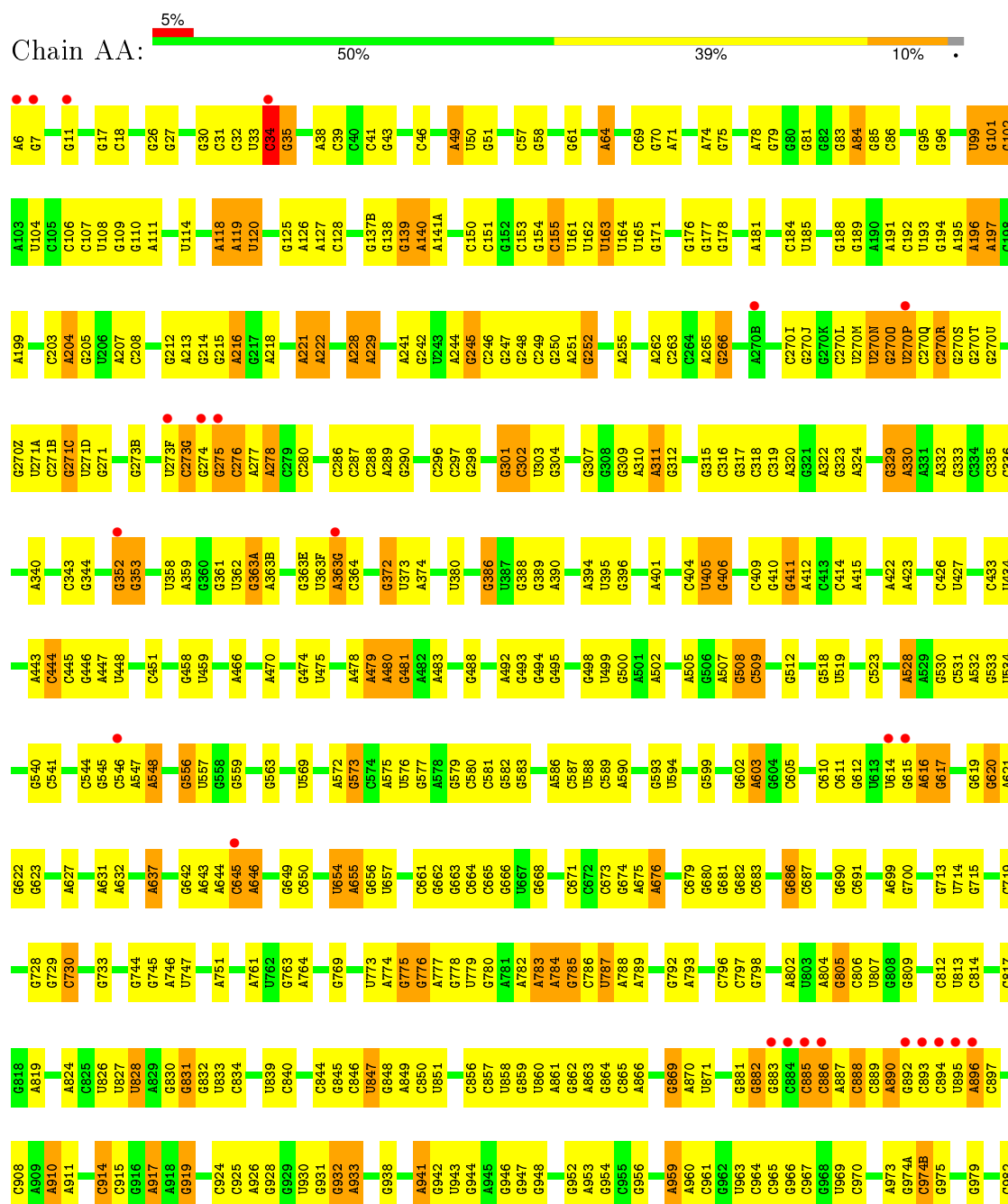
- Molecule 56 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	DN	1	Total 1	Zn 1	0	0
56	BD	1	Total 1	Zn 1	0	0
56	BN	1	Total 1	Zn 1	0	0
56	DD	1	Total 1	Zn 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



U2150	G1973	A1773	C1675	C1577	U1497	G1413	A1317	A1210	A1126	A983
G2151	C1974	G1776	A1676	U1578	C1498	G1414	C1318	U1211	A1127	C991
G2154	G1980	G1888	A1677	A1579	C1499	U1415	U1323		A1128	G992
G2155	A1981	A1889	G1678	A1580	G1500	U1416			U1130	G993
G2156	C1982	C1782	U1679	C1581	G1504	G1417	C1327	C1217	G1135	G994
G2157	G1989	A1786	G1681	A1583	C1505	G1418	C1328	G1218	G1136	C995
A2158	G1999	A1787	C1686	A1586	C1506	U1419	U1329	G1219		A996
G2159	G1992	C1788	U1687	A1587	A1508	G1419	C1330	C1220		U999
G2160	U2079	C1790	U1688	C1588	A1509	U1420	C1331	C1221A	G1139	A1000
G2161	C1994	A1791	A1689	C1589	A1510	G1421	G1332	C1222	U1141	A1001
G2162	U1995		G1703	U1590	A1511	A1427			U1142	G1002
G2163	C1996	U1794	U1693	G1591	G1512	C1428	U1335	G1227		
G2164	G1997	C1795	C1694	C1592	C1513		A1336		A1142B	
G2165	G1998	U1796		C1593	U1514	A1434	G1337	C1230	A1143	C1005
G2166	C1999	C1797	A1698	C1594	C1515			G1231	G1144	C1006
U2167	G2000	U1798	U1706	U1594	U1516	G1437	G1344	G1232	C1145	
G2168	G2001	G1799	G1703	G1595	C1517	U1438	C1345	G1233		A1009
A2169	A2001	C1800	G1704	C1598	C1518	A1439		U1234	G1149	A1010
A2170		G1801	U1705	G1521			G1348	G1235	C1150	G1011
A2171	C2006	G1801	G1706	U1522		G1443	A1349	G1236		U1012
U2172	G2012	U1805	U1706	U1523		G1444			C1153	U1013
C2097	G2012	U1805	U1706	U1524		A1444B	U1352	A1241	G1154	
U2109	A2013	G1811	U1709	G1525		C1445		A1242	A1155	U1019
G2110	A2014	A1812	C1710				G1356			A1020
G2111	A2015		U1716	A1529		A1448B	U1357	G1252	G1162	A1021
G2112	U2016	G1816	G1726	G1530	U1454		G1358	A1253	G1163	G1022
G2113	U2017	G1817	U1727	C1531	G1455		G1359	A1254	G1164	U1023
U2114	G2018	G1824	G1728	C1532			A1360	U1255	U1165	G1024
G2115	A2019	A1825	A1729	G1533	G1459		A1365	G1256	C1166	G1025
G2116	U2022	U1931	U1730	G1534	G1460		A1366		U1167	U1026
A2117	G2023	A1829	U1731	U1535	G1461		A1367	G1266	G1168	A1027
U2118		G1830	G1732	A1536					G1169	A1028
A2119	G2029	G1831	U1733	C1537	C1464		A1373	C1270	G1170	U1033
G2120	A2030	C1832	G1733	G1538	G1465		G1374	A1271	G1171	G1034
A2031	G2031	C1832	A1641	G1539	G1466			U1272	G1173	U1035
G2032	G2032	U1833	G1642	G1540	C1467			A1274	U1175	G1036
A2033		C1837	C1646	U1541	C1468			A1275	G1176	
C2036	G2036		G1647	G1542	A1469				A1177	C1040
G2037	G2037	G1840	C1648	A1543	G1470		A1384	G1278	C1178	C1041
G2038	G2038		G1746	C1544	A1471		G1385	G1279	C1179	G1042
G2039	C2039	C1843	G1748	A1545	A1472		C1386		C1180	C1043
C2040		C1844	A1749	A1546			U1287	U1288	C1181	G1044
U2041	U2041	A1847	C1754	C1546B	A1477		G1387		A1182	A1045
A2042	G2043		A1755	C1547	G1478		G1388	C1291	G1183	A1046
G2043		U1955	G1756				U1390	U1292	C1184	G1047
G2046		C1961	C1761	A1554	G1483			C1293	C1185	A1048
C2050	C2050	G1858	A1762	C1557	G1484		U1394		G1186	C1049
A2051	A2051	A1859	G1763	A1558	A1485		A1395	C1297	U1187	G1050
G2055	C2055	U1864	C1765	G1560	A1486		U1396	G1298	A1188	G1051
G2056	G2056	G1968	A1666	A1566	G1487			U1300	A1189	C1052
C2143	C2143	C1967	G1667	A1567	A1490		C1399	A1301	G1190	C
C2144	C2144	A1871	U1766	G1668					C1202	A
C2145	C2145	U1768	C1767	G1669	C1493		U1404	G1309	G1203	G
C2146	C2146	C1871	U1768	A1669	A1494		U1405		A1204	A
G2147	A2060	A1872		C1670	A1495		U1406	G1309	G1205	G
G2148	G2061	G1872	C1771	G1674	A1496		C1407	C1314	U1205	U
G2149	A2062	A1879	G1772						G1122	
									G1125	

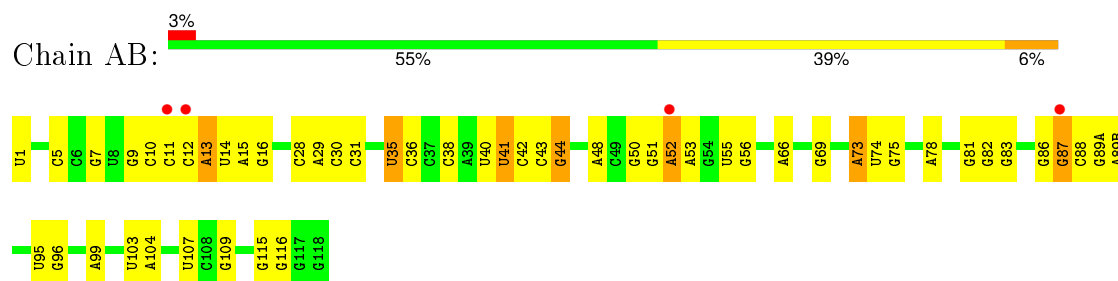


A1586	A1587	A1508	A1427	G1332	C1221	C1140	C	G916	G744	A631	C541	G446	G382
A1588	A1428	A1509	A1427	G1332	C1221A	U1141	A	A917	G745	A632	C544	A447	G383
A1589	G1429	A1510	G1428	U1335	C1222	U1142	G	A918	A746	G831	C545	U448	A449
U1590	C1430	A1511	C1429	U1336	G1227	A1143	C	G919	U747	A637	C546	C450	U358
G1591	G1513	C1512	C1430	G1337	G1227	G1144	A	G924	A751	G832	C547	C451	A359
C1592	U1514	C1513	A1434	G1344	C1230	C1145	U	C925	A761	U839	A548	G458	G380
G1593	U1515	C1514	C1434	C1345	G1231	G1149	C	A926	U762	A643	A549	U459	G361
G1594	C1437	U1516	A1438	G1346	C1232	C1150	C	G928	G763	A644	G550	U362	U362
G1595	A1439	C1517	A1439	G1348	C1233	U1012	U	G929	G763	C645	G556	G363A	A363A
		C1518	A1439	G1349	U1234	C1013	U	U930	A764	A646	G557	A466	A363B
		U1519		U1352	G1235	G1153	U	G931	G769	G649	U557	A470	G363E
		G1520	G1443	U1352	C1236	G1154	A	G932		C850	G558	A470	U363F
		G1521	G1444	U1352	G1236	A1155	A	A933	U773	U654	G559	G474	U363G
		U1522	A1444B	G1356	G1237	U1157	A	U937	A774	A655	G563	U475	C364
		U1523	C1445	U1357	A1253	G1157	G	G938	G775	G656	A572	A477	G372
		G1524		G1358	G1256	G1162	A	A941	G776	U657	A573	A478	U373
		G1525	A1448B	A1359	G1256	G1163	U	G942	G778	C661	A574	A479	A374
		A1529	G1455	A1360	G1266	G1164	G	U943	U779	G662	A575	A480	U380
					U1267	U1165	C	G944	G780	G663	A576	G481	
					A1365	C1166	U	A945	A781	G664	A577	A482	
					A1373	U1167	U	G946	A782	C665	A578	A483	
					G1374	G1168	A	G947	A783	C666	A579	G488	
					C1375	G1169	A	G948	A784	G667	A580		
					G1376	G1170	U		A785	G668	A581		
					G1377	G1171	U		C786	G669	A582		
					U1273	G1172	G		A787	G670	A583		
					A1274	G1173	C		A788	C671	A584		
					A1275	U1175	U		A789	C672	A585		
					G1380	G1176	A		G792	C673	A586		
					A1384	C1178	A		A793	C674	A587		
					G1385	G1179	U		A802	C675	A588		
					A1386	C1180	U		A803	C676	A589		
					C1387	G1181	U		A804	A675	A590		
					G1388	C1182	U		C906	A676	A591		
					G1389	G1183	U		C796	C679	A592		
					U1394	G1184	U		C797	G800	A593		
					A1395	C1185	U		A809	G801	U594		
					U1396	G1186	A		A802	G881	A505		
					C1397	G1187	U		U803	G882	G506		
					G1298	U1188	U		A804	C883	A507		
					U1299	G1189	C		G805	G602	G508		
					A1300	A1189	A		C906	A603	C509		
					A1301	G1190	G		U807	G604	C413		
					G1309	C1201	G		G808	G605	C414		
					C1314	G1202	A		A809	G610	A415		
					U1317	G1203	G		C974A	C611	G512		
					C1318	A1204	U		G975	C612	G518		
					G1413	U1205	U		A833	G700	U519		
					U1405	G1206	G			G713	C523		
					C1407	A1127	U			U714	A422		
					C1408	A1128	C			G615	A528		
					C1409	A1129	U			A616	A529		
					G1413	U1130	U			C719	G530		
					U1414	A1210	A			G729	C531		
					G1415	U1211	U			C730	A434		
					G1416	C1217	A			A621	A532		
					C1417	G1218	G			G622	G533		
					G1418	G1219	A			A627	U534		
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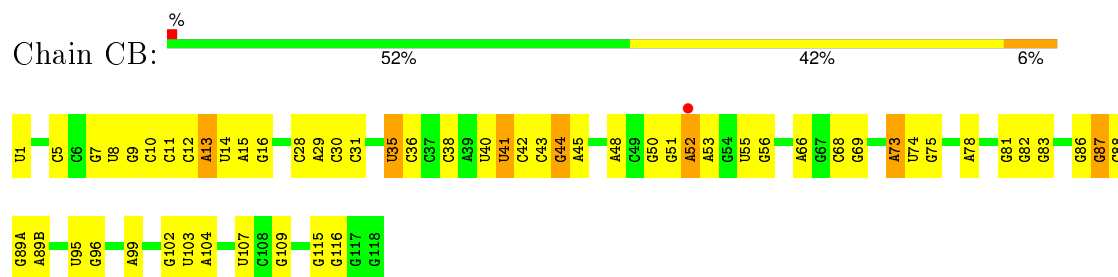




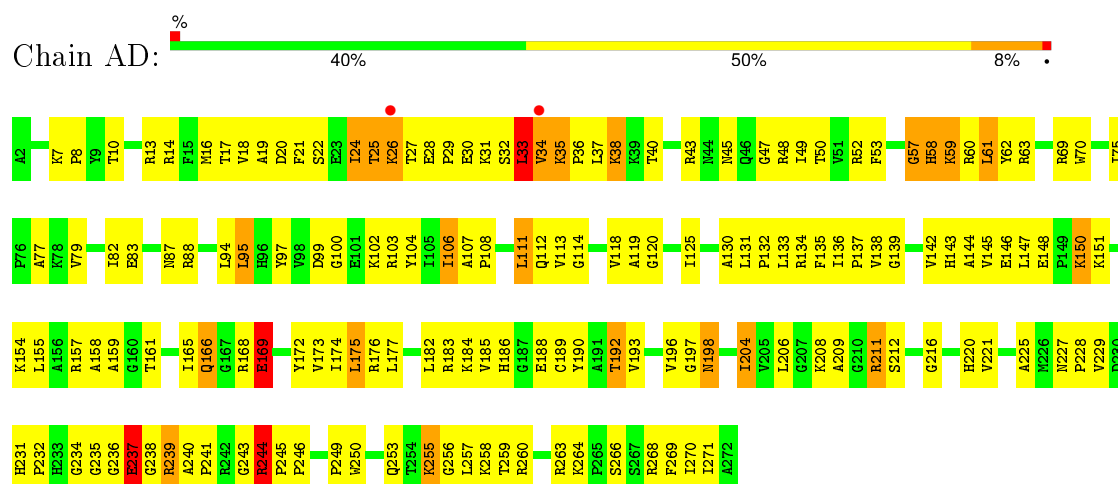
- Molecule 2: 5S ribosomal RNA



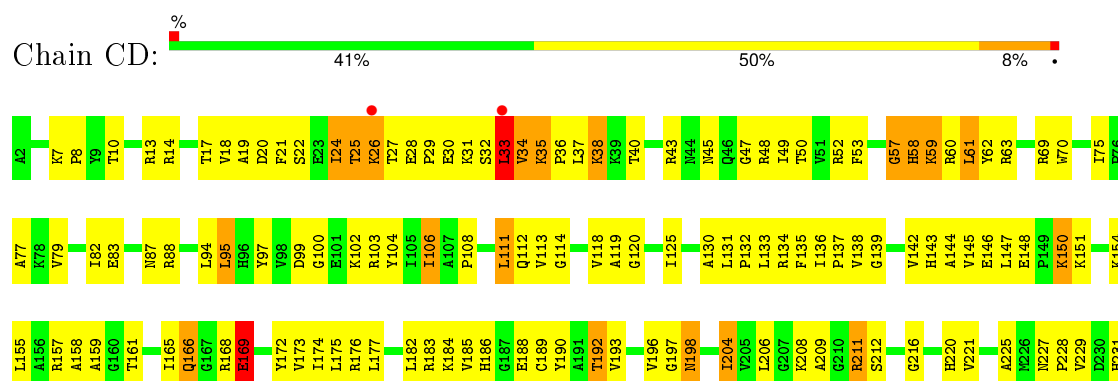
- Molecule 2: 5S ribosomal RNA

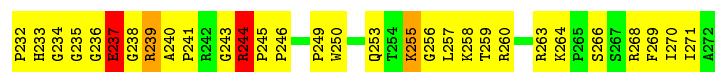


- Molecule 3: 50S ribosomal protein L2

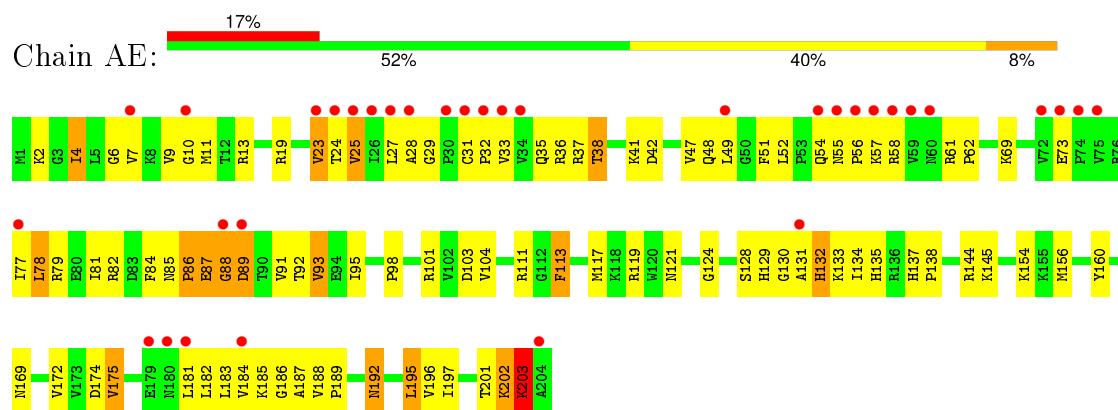


- Molecule 3: 50S ribosomal protein L2

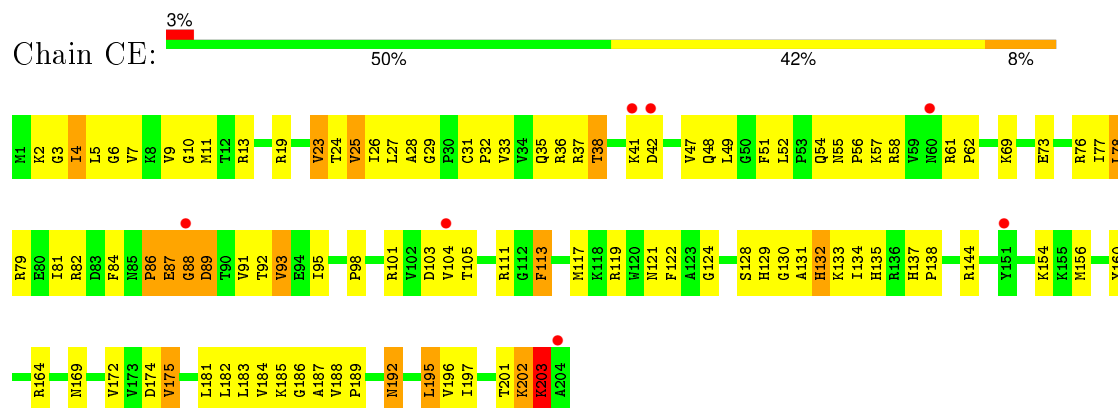




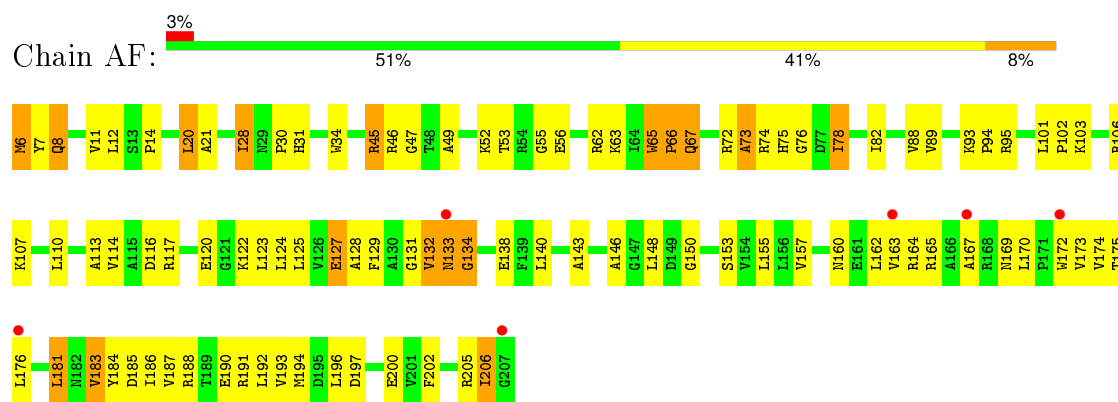
• Molecule 4: 50S ribosomal protein L3



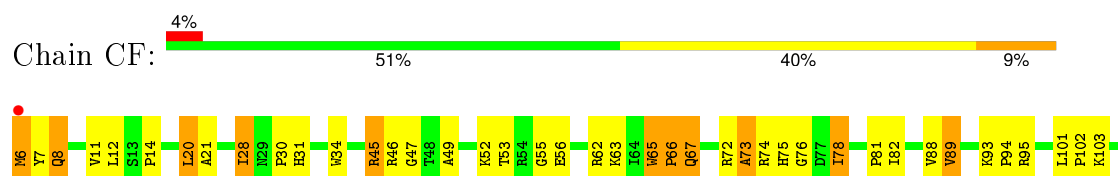
• Molecule 4: 50S ribosomal protein L3

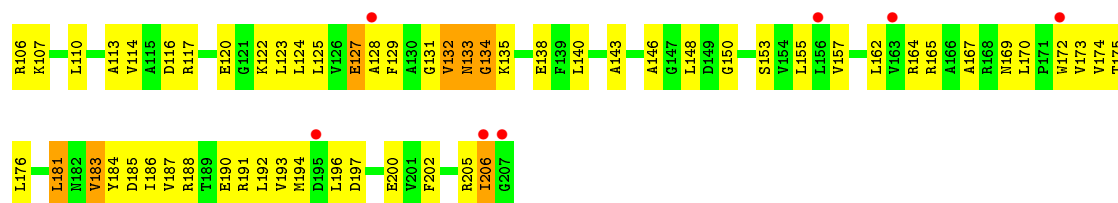


• Molecule 5: 50S ribosomal protein L4

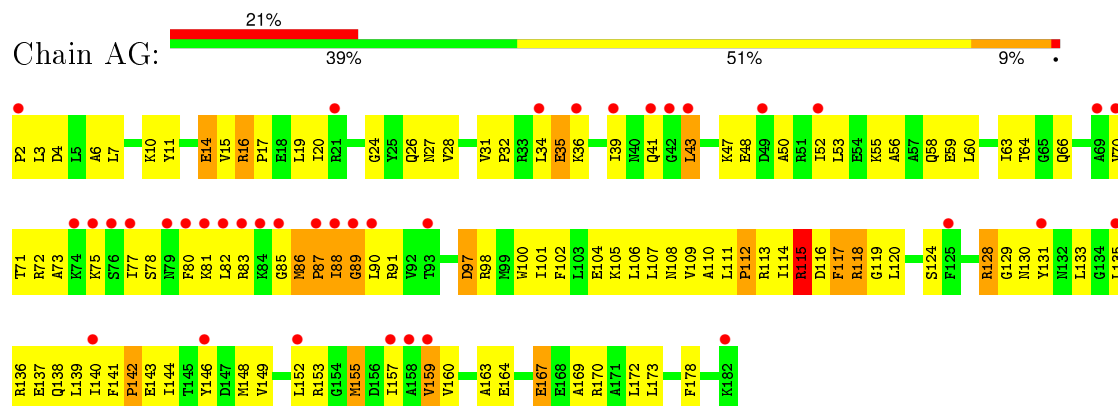


• Molecule 5: 50S ribosomal protein L4

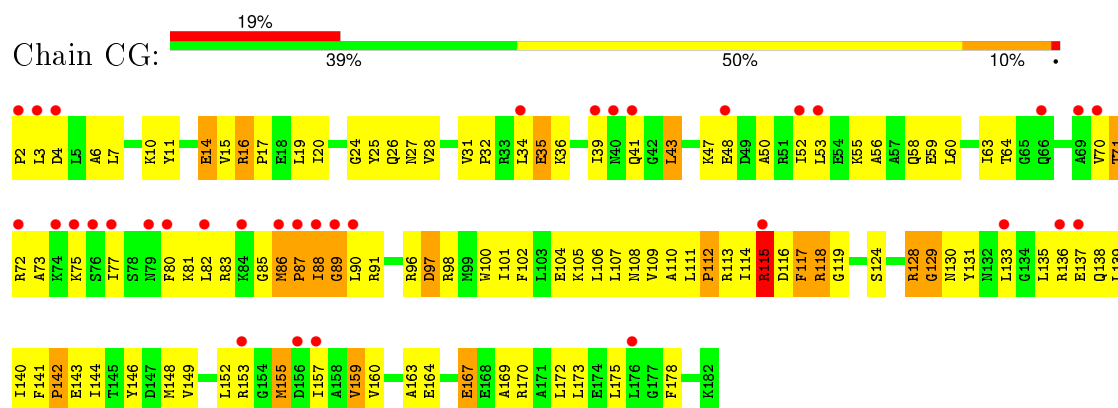




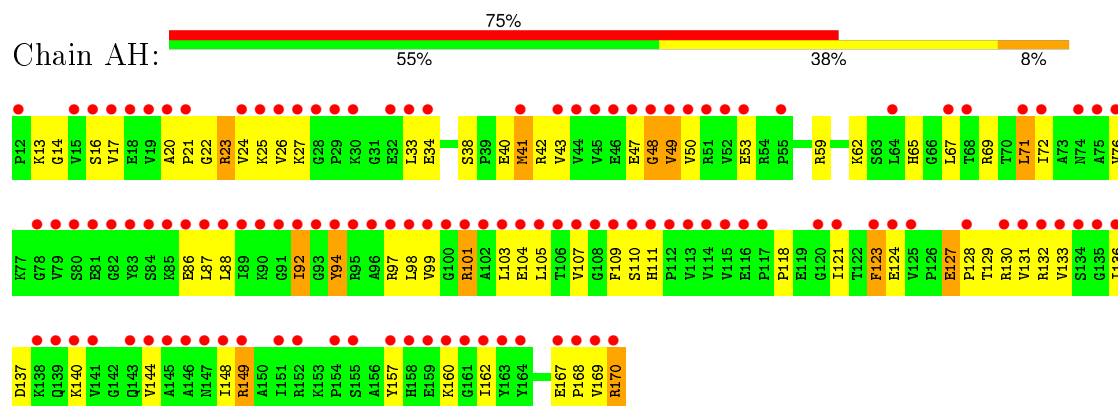
• Molecule 6: 50S ribosomal protein L5



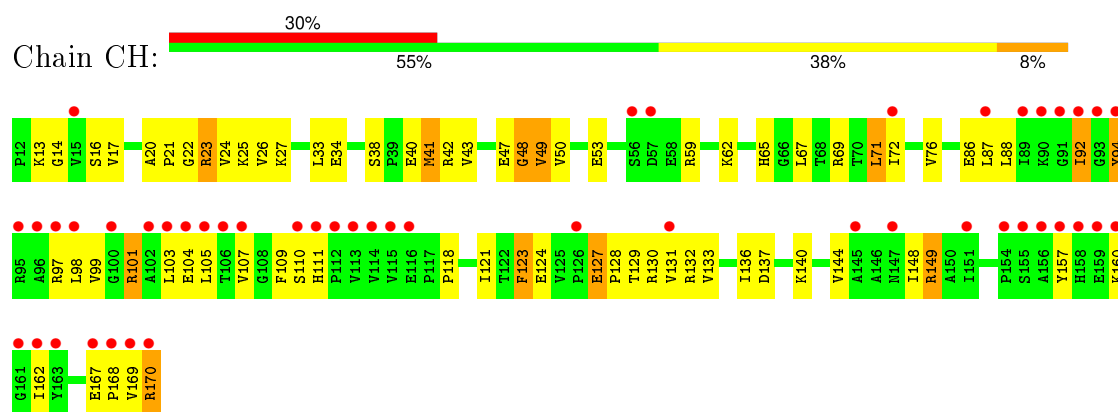
• Molecule 6: 50S ribosomal protein L5



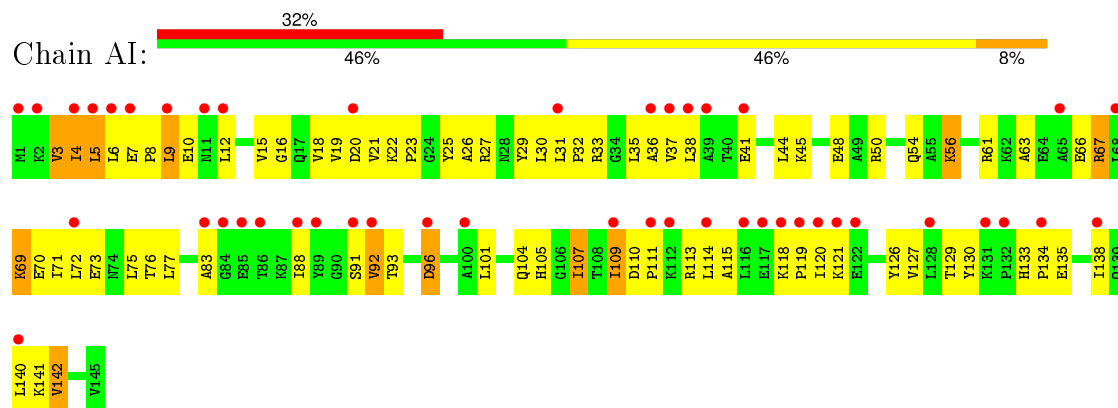
• Molecule 7: 50S ribosomal protein L6



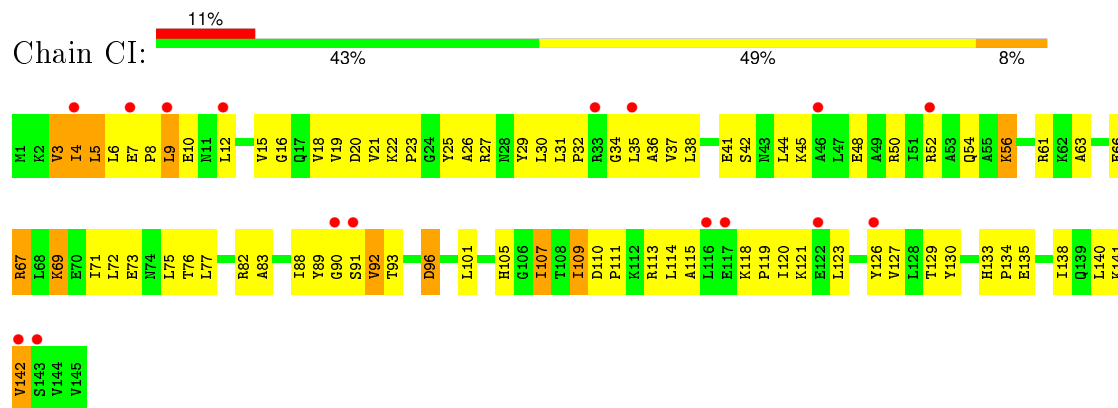
• Molecule 7: 50S ribosomal protein L6



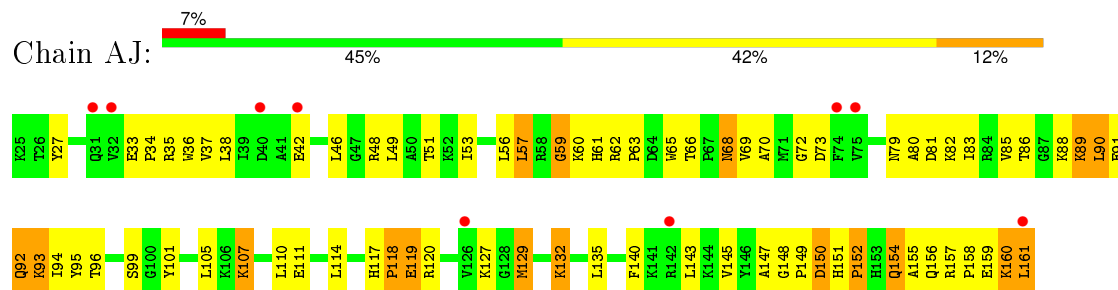
• Molecule 8: 50S ribosomal protein L9



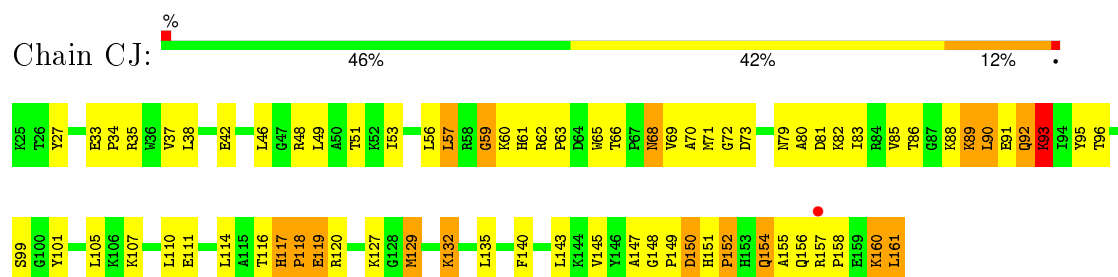
• Molecule 8: 50S ribosomal protein L9



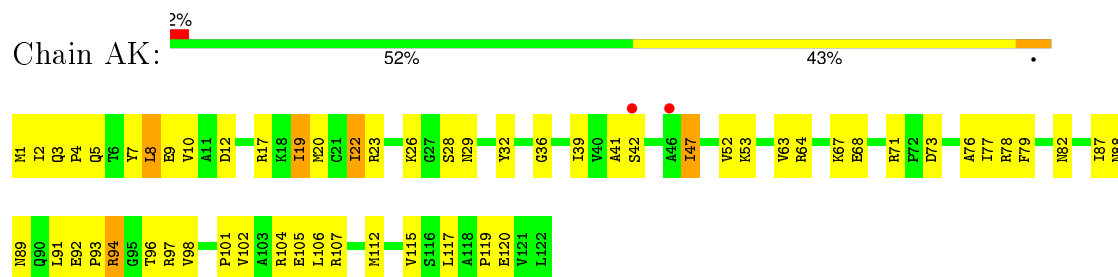
• Molecule 9: 50S ribosomal protein L13



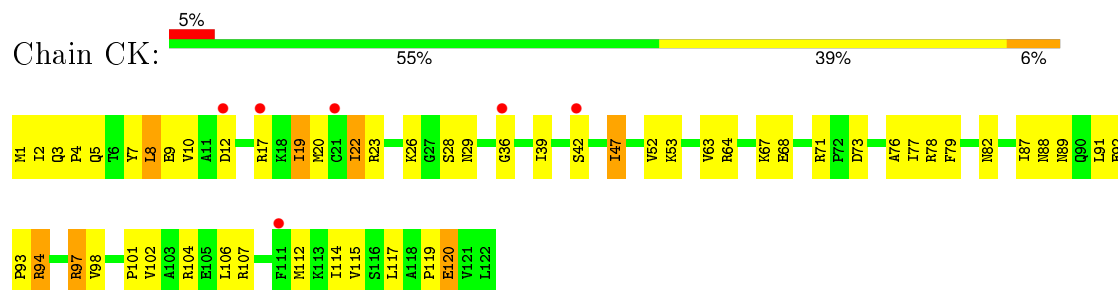
- Molecule 9: 50S ribosomal protein L13



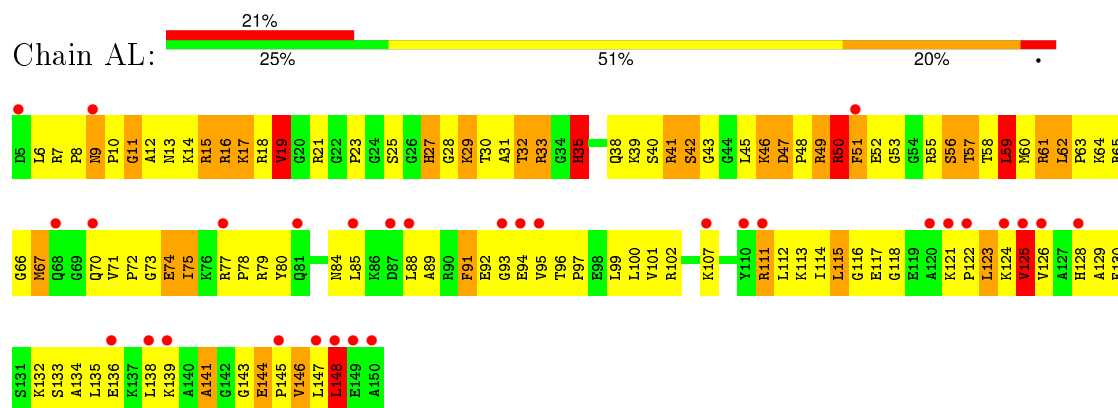
- Molecule 10: 50S ribosomal protein L14



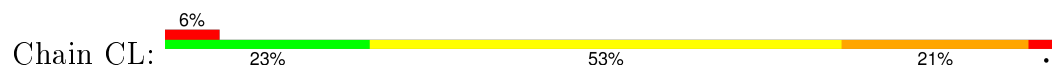
- Molecule 10: 50S ribosomal protein L14

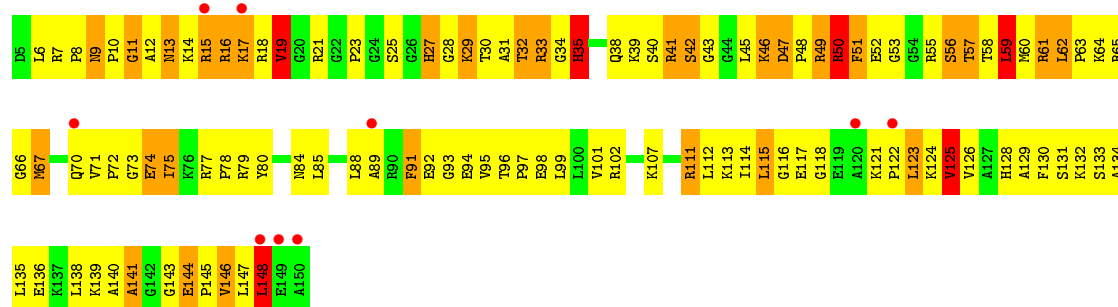


- Molecule 11: 50S ribosomal protein L15

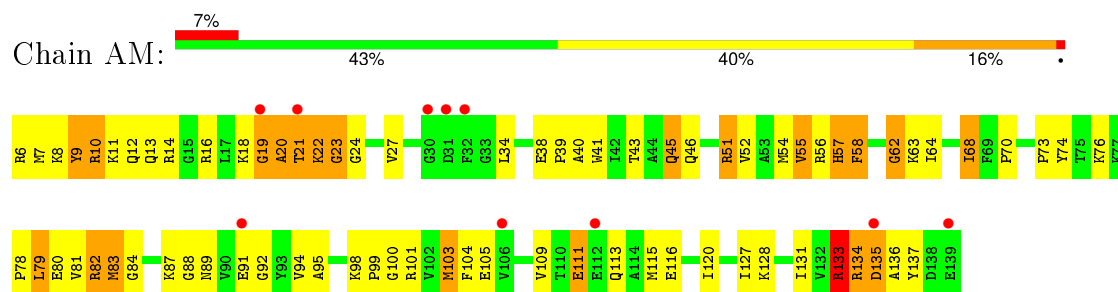


- Molecule 11: 50S ribosomal protein L15

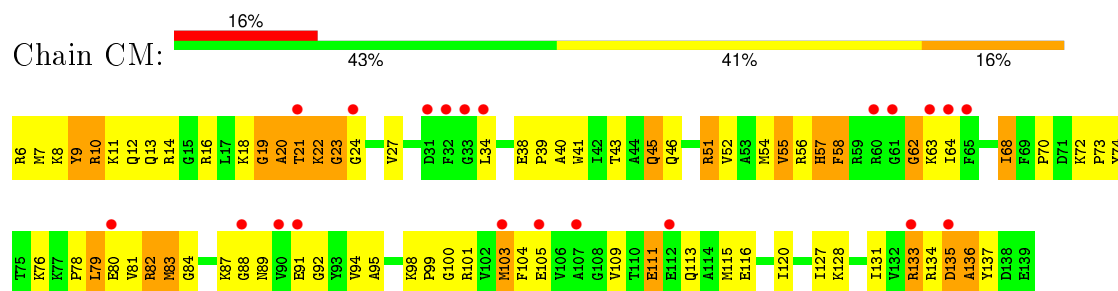




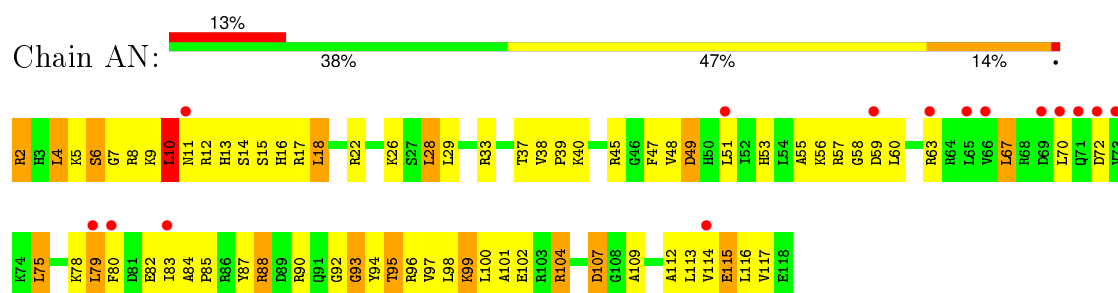
- Molecule 12: 50S ribosomal protein L16



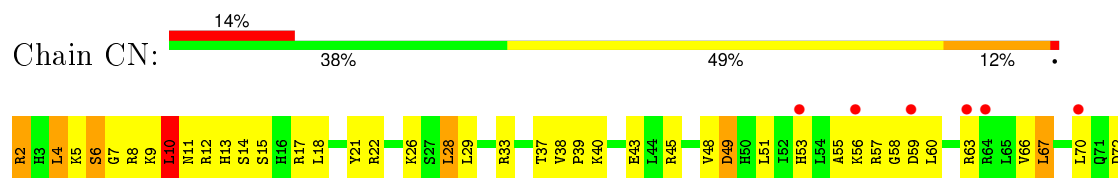
- Molecule 12: 50S ribosomal protein L16

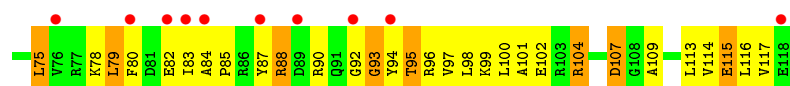


- Molecule 13: 50S ribosomal protein L17



- Molecule 13: 50S ribosomal protein L17

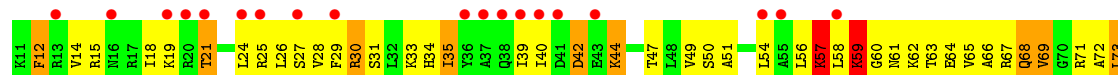




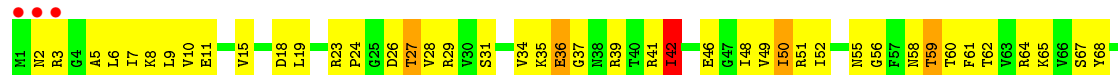
• Molecule 14: 50S ribosomal protein L18



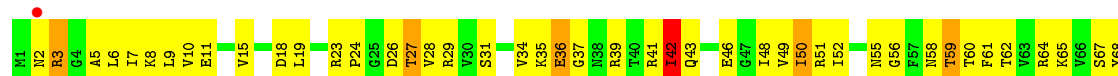
• Molecule 14: 50S ribosomal protein L18



• Molecule 15: 50S ribosomal protein L19

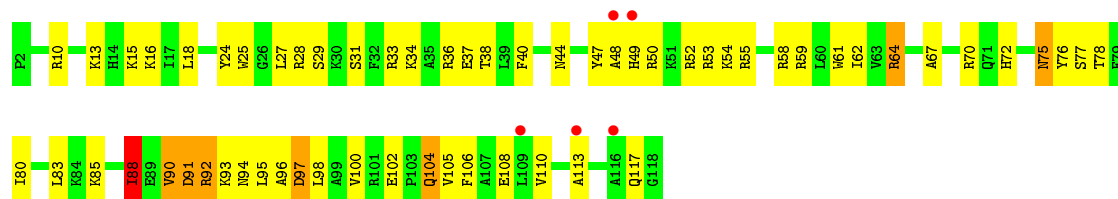


• Molecule 15: 50S ribosomal protein L19

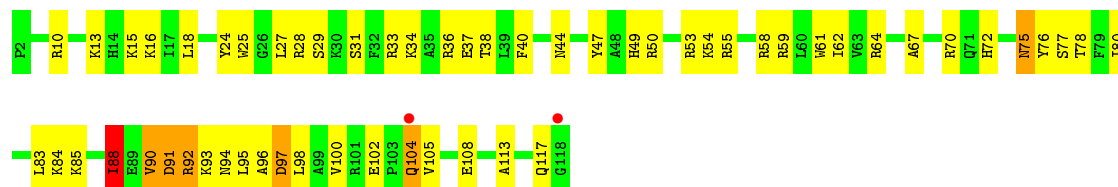


• Molecule 16: 50S ribosomal protein L20

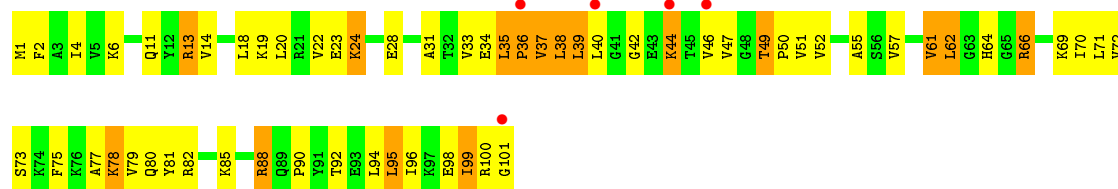
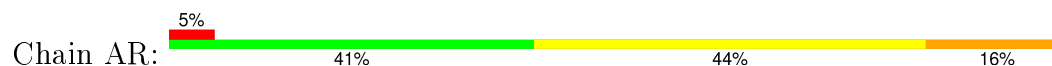




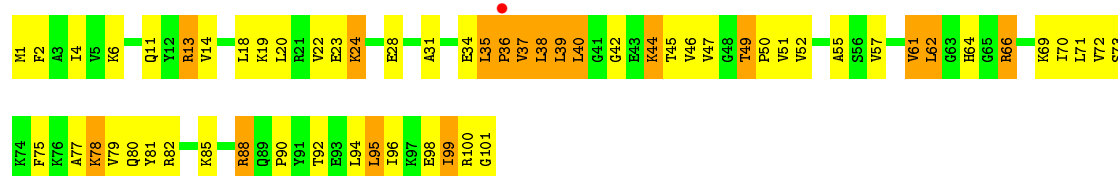
• Molecule 16: 50S ribosomal protein L20



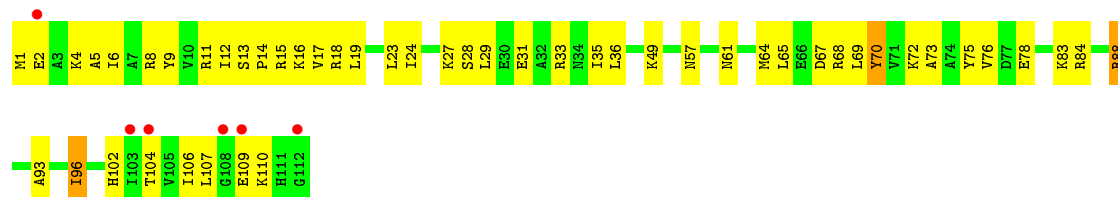
• Molecule 17: 50S ribosomal protein L21



• Molecule 17: 50S ribosomal protein L21

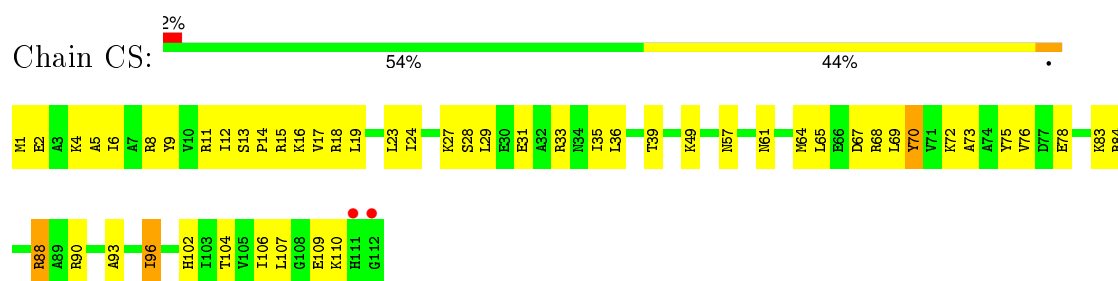


• Molecule 18: 50S ribosomal protein L22

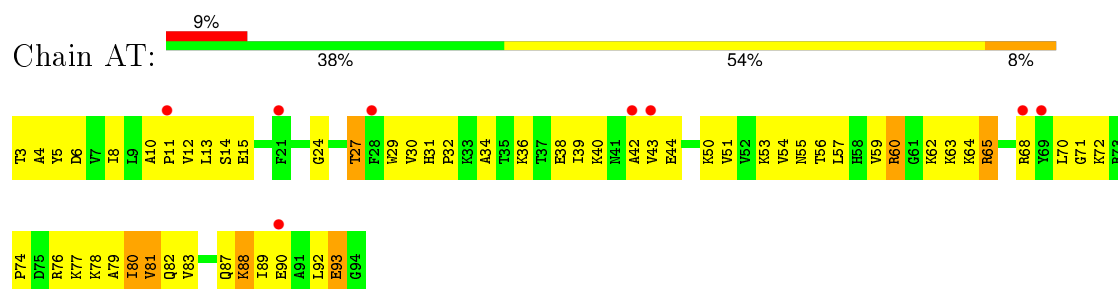


• Molecule 18: 50S ribosomal protein L22

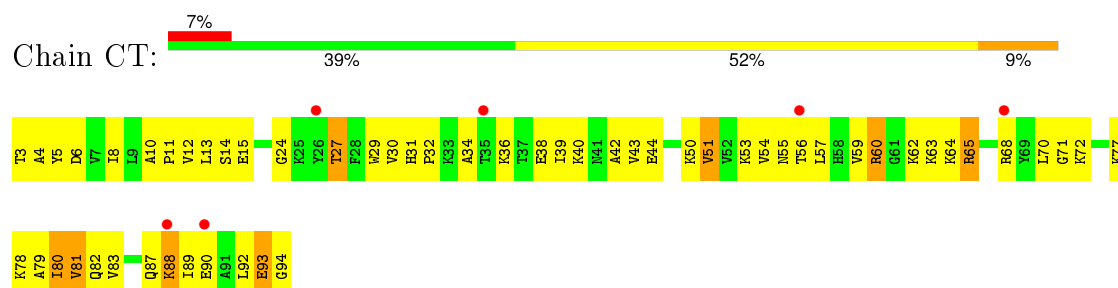




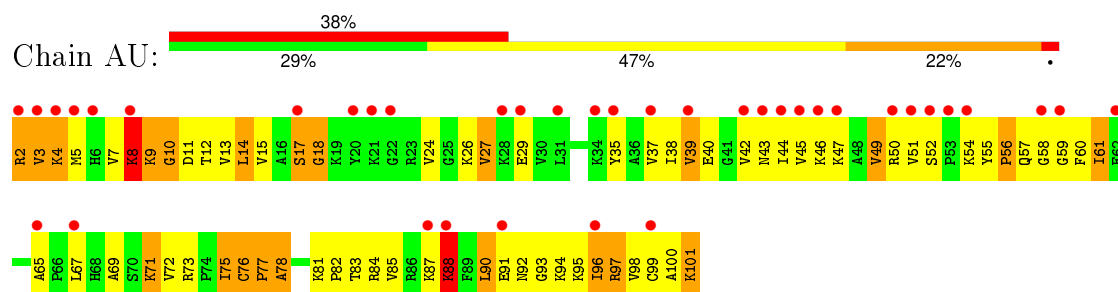
• Molecule 19: 50S ribosomal protein L23



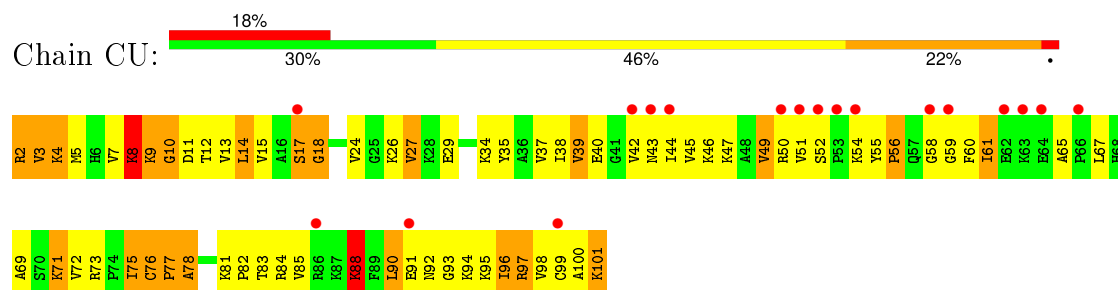
• Molecule 19: 50S ribosomal protein L23



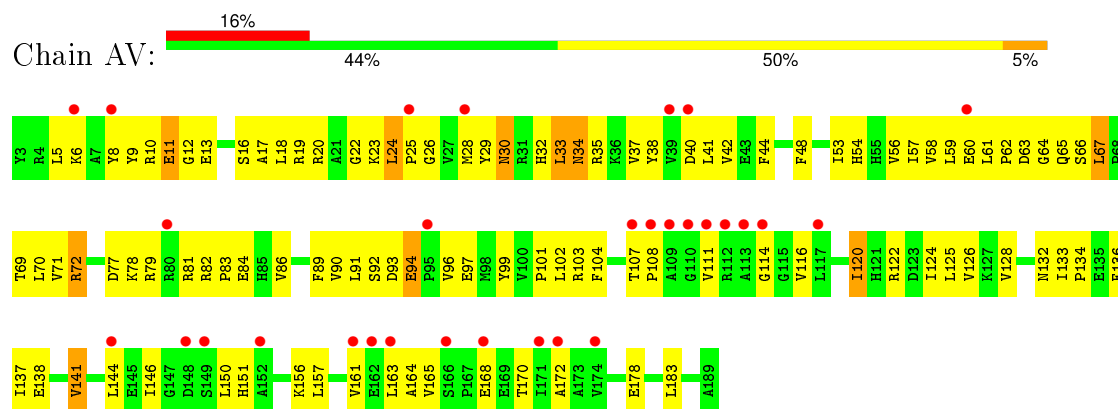
• Molecule 20: 50S ribosomal protein L24



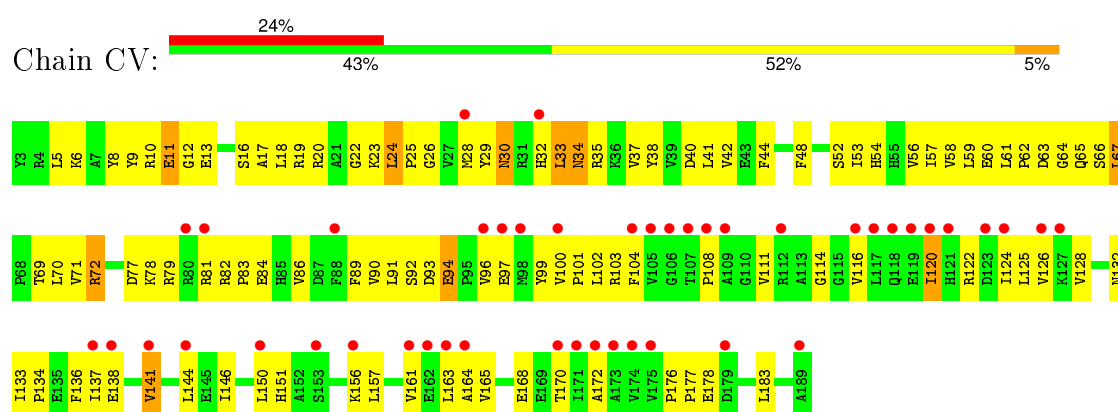
• Molecule 20: 50S ribosomal protein L24



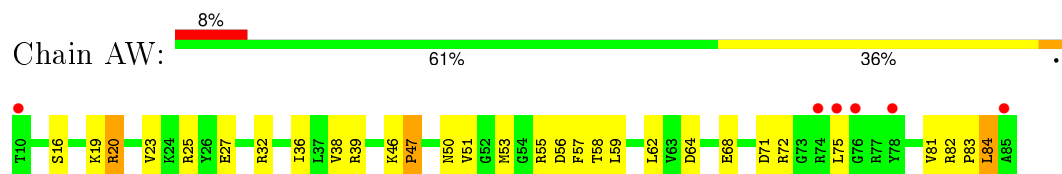
- Molecule 21: 50S ribosomal protein L25



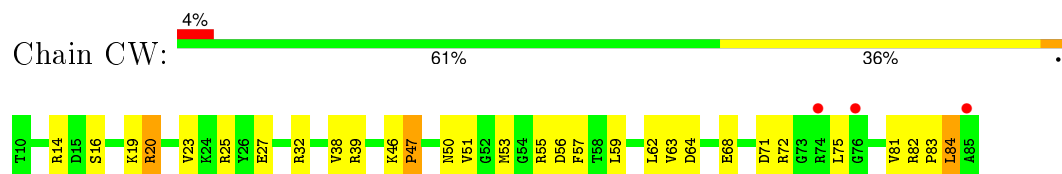
- Molecule 21: 50S ribosomal protein L25



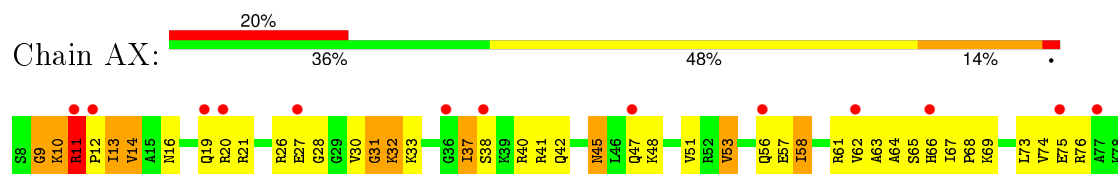
- Molecule 22: 50S ribosomal protein L27

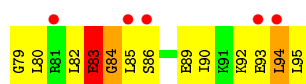


- Molecule 22: 50S ribosomal protein L27

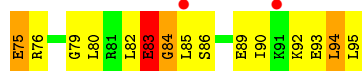
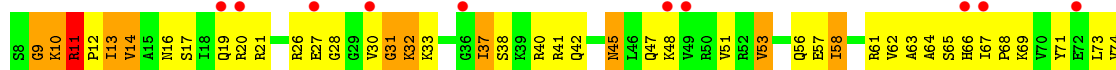


- Molecule 23: 50S ribosomal protein L28





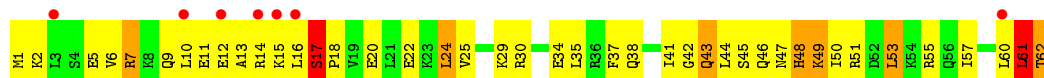
- Molecule 23: 50S ribosomal protein L28



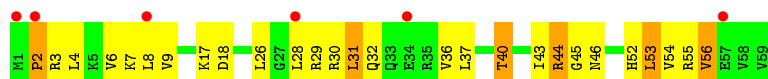
- Molecule 24: 50S ribosomal protein L29



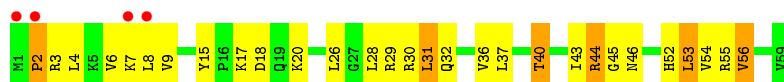
- Molecule 24: 50S ribosomal protein L29



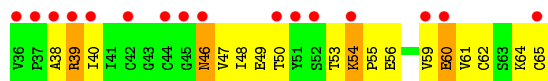
- Molecule 25: 50S ribosomal protein L30



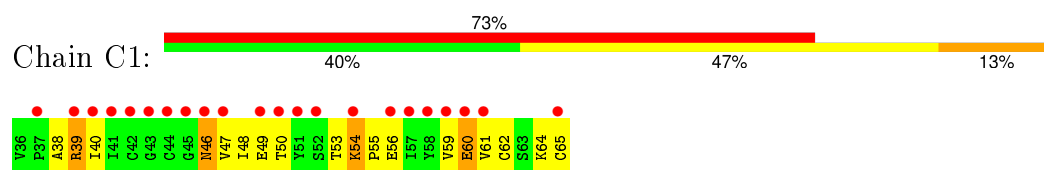
- Molecule 25: 50S ribosomal protein L30



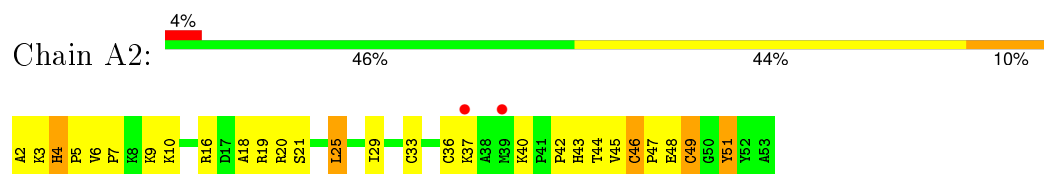
- Molecule 26: 50S ribosomal protein L31



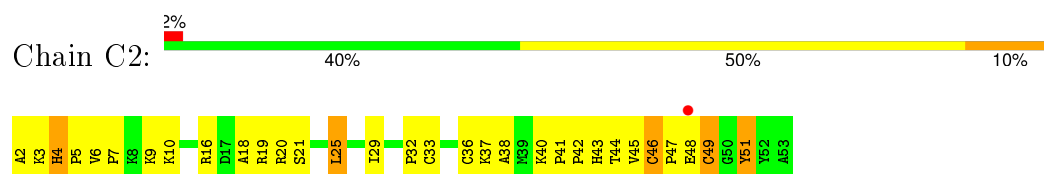
- Molecule 26: 50S ribosomal protein L31



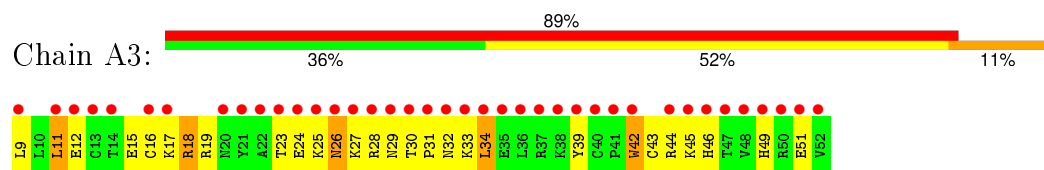
- Molecule 27: 50S ribosomal protein L32



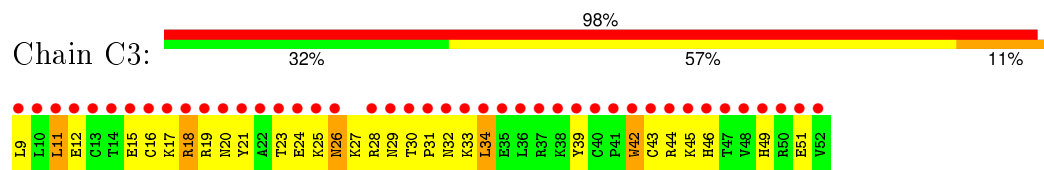
- Molecule 27: 50S ribosomal protein L32



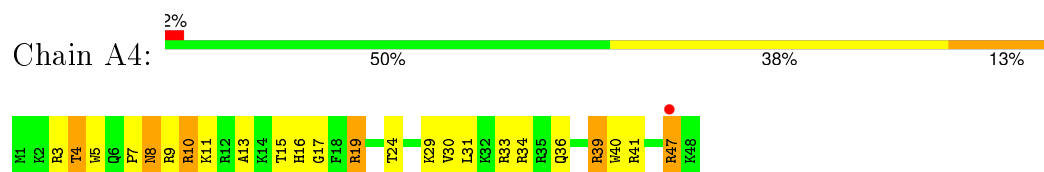
- Molecule 28: 50S ribosomal protein L33



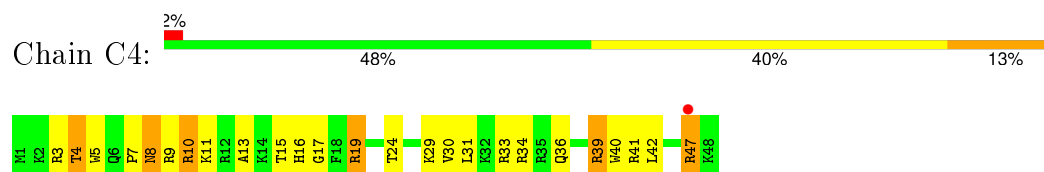
- Molecule 28: 50S ribosomal protein L33



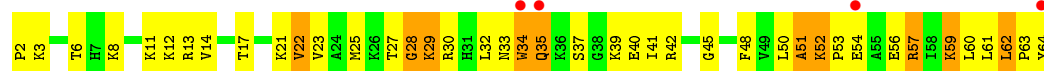
- Molecule 29: 50S ribosomal protein L34



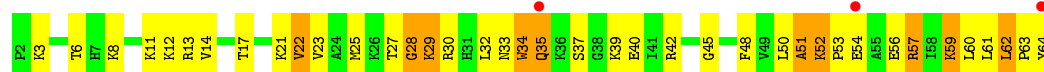
- Molecule 29: 50S ribosomal protein L34



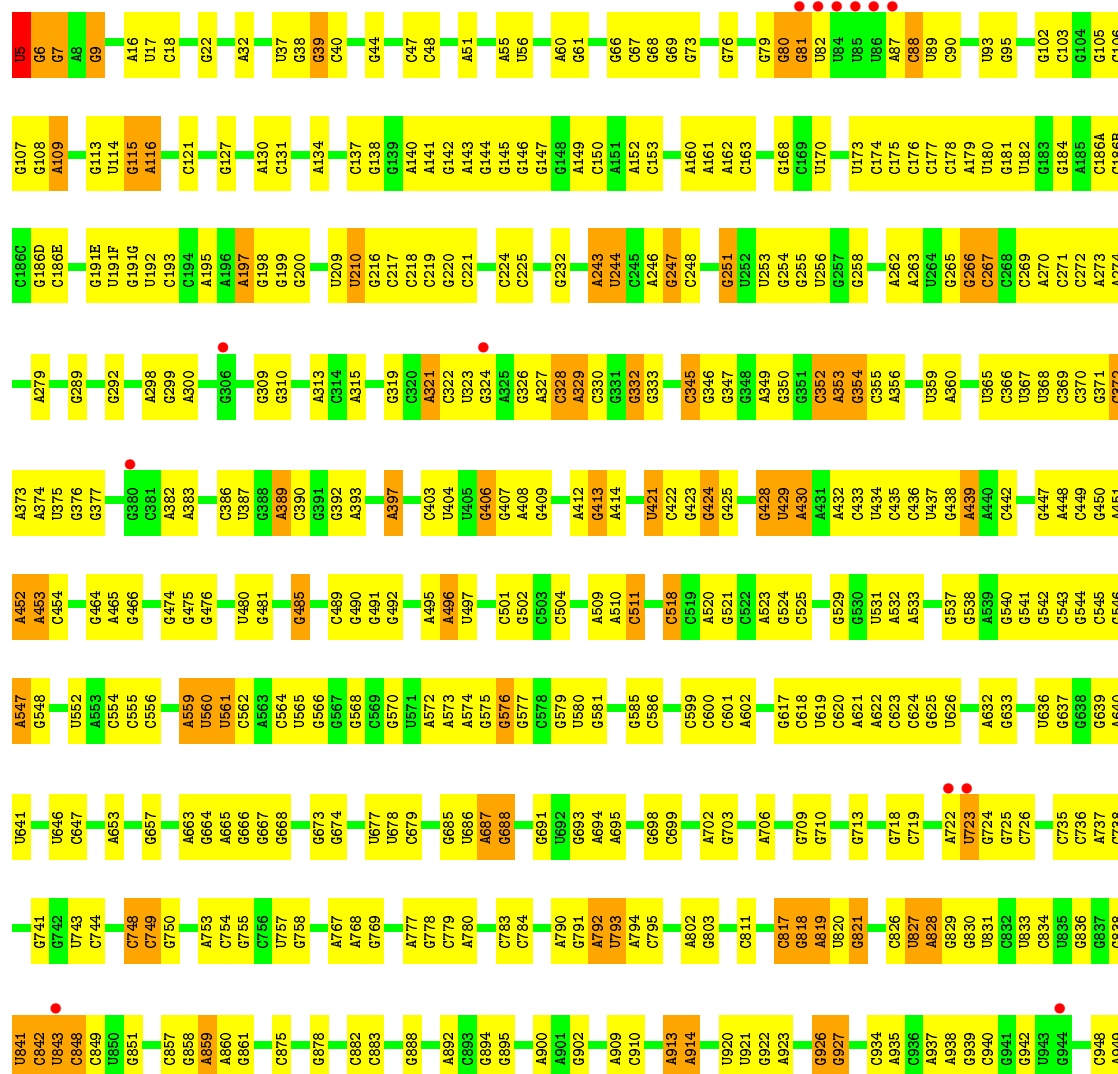
- Molecule 30: 50S ribosomal protein L35

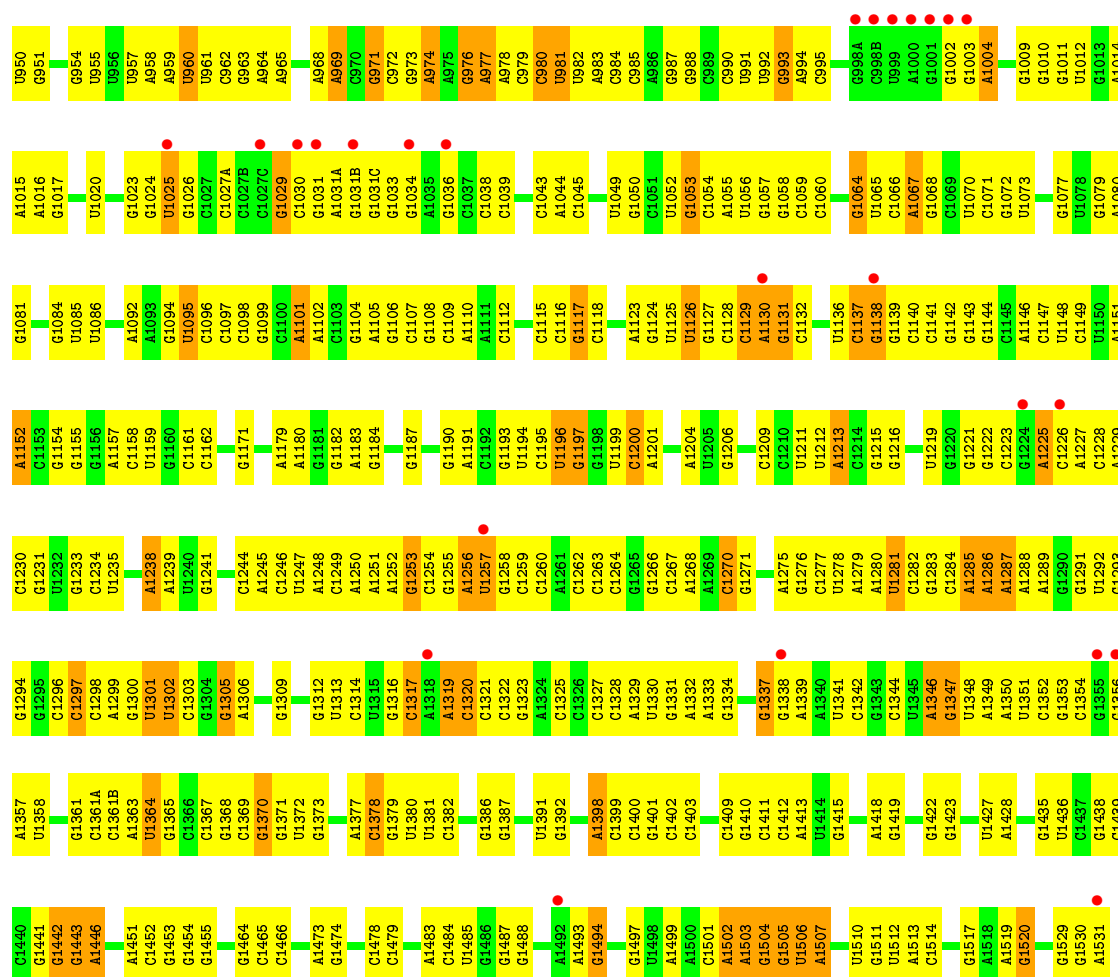


- Molecule 30: 50S ribosomal protein L35

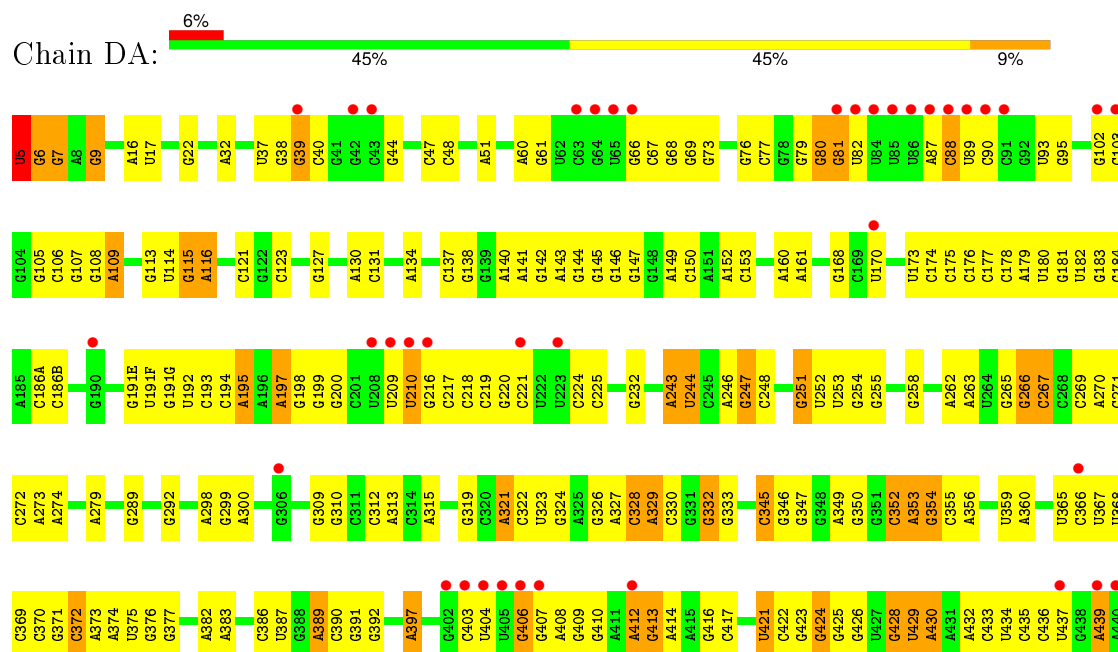


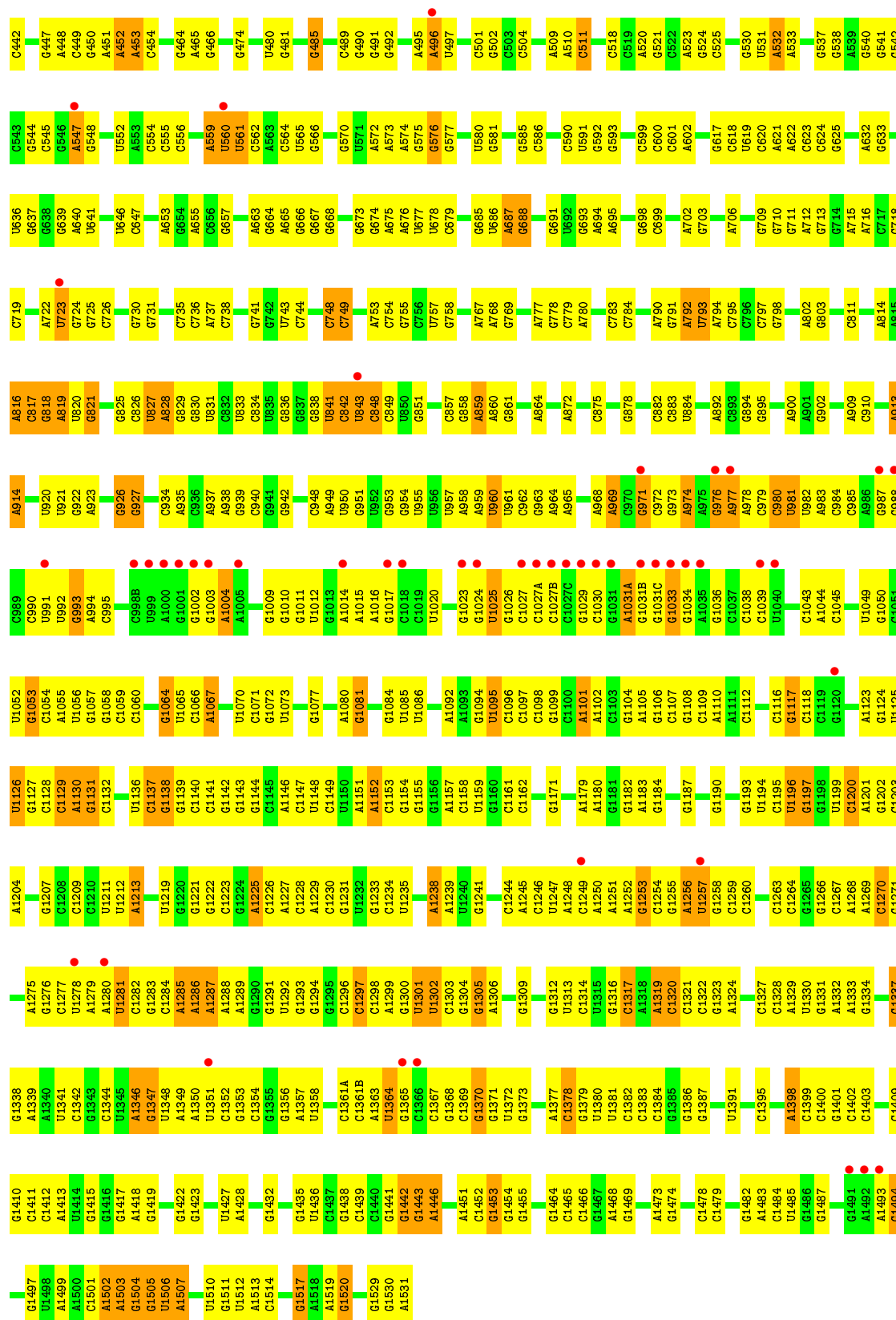
- Molecule 31: 16S ribosomal RNA





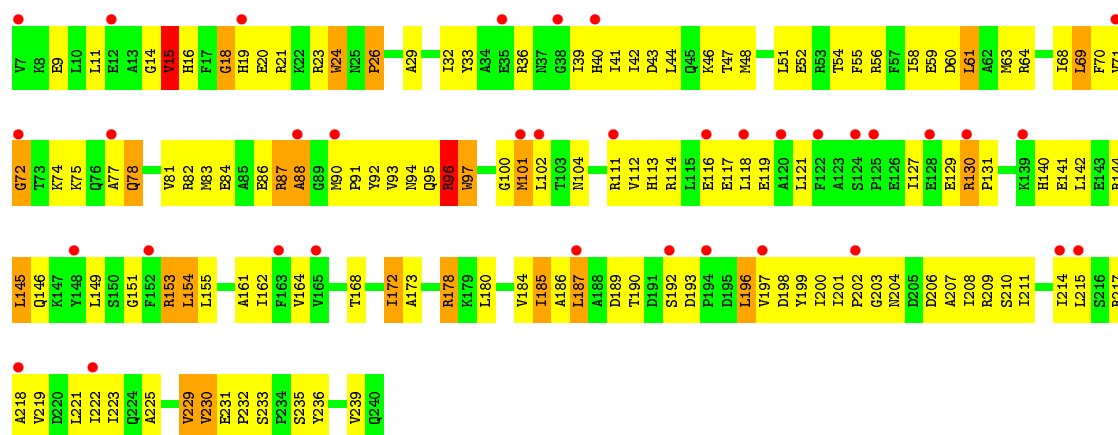
• Molecule 31: 16S ribosomal RNA



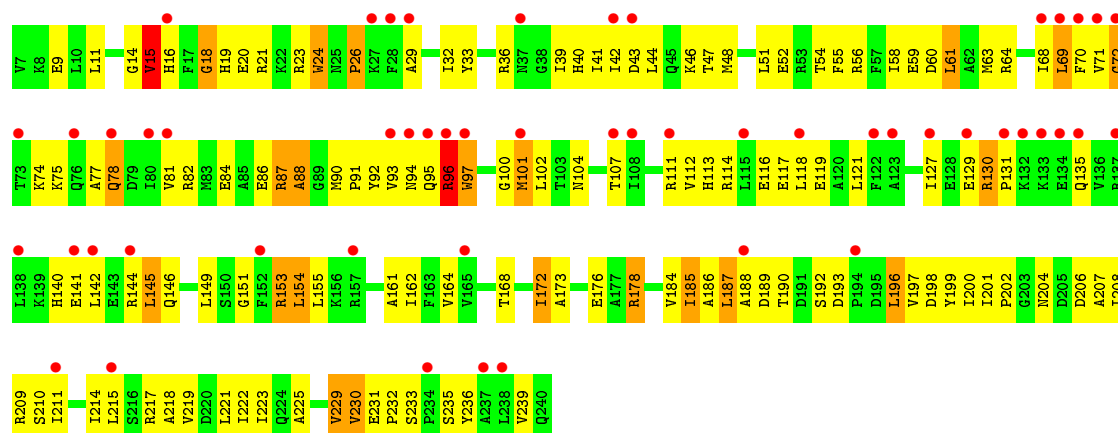
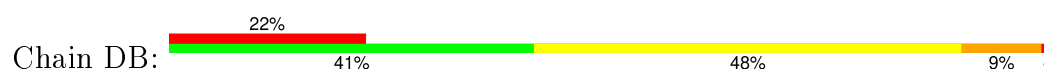


• Molecule 32: 30S ribosomal protein S2

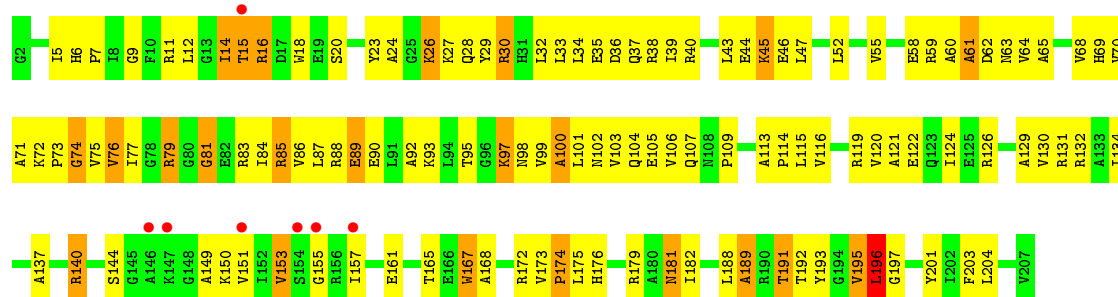




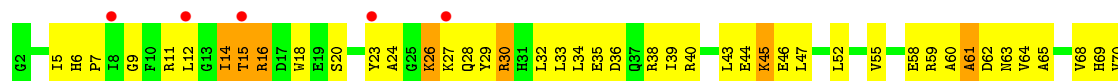
• Molecule 32: 30S ribosomal protein S2



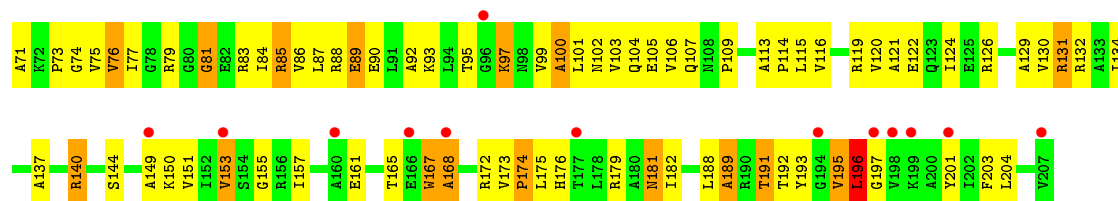
• Molecule 33: 30S ribosomal protein S3



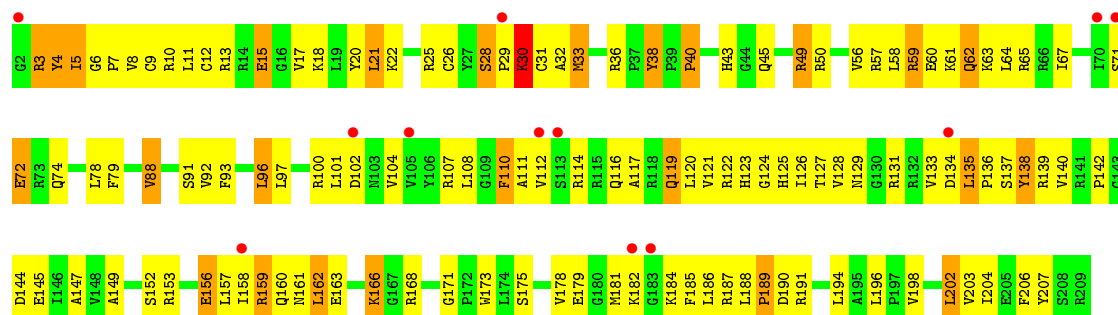
• Molecule 33: 30S ribosomal protein S3



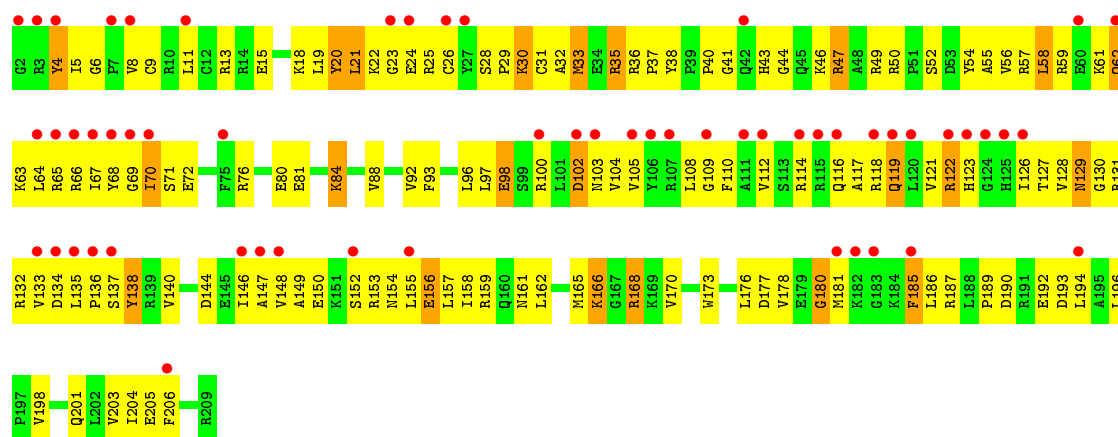




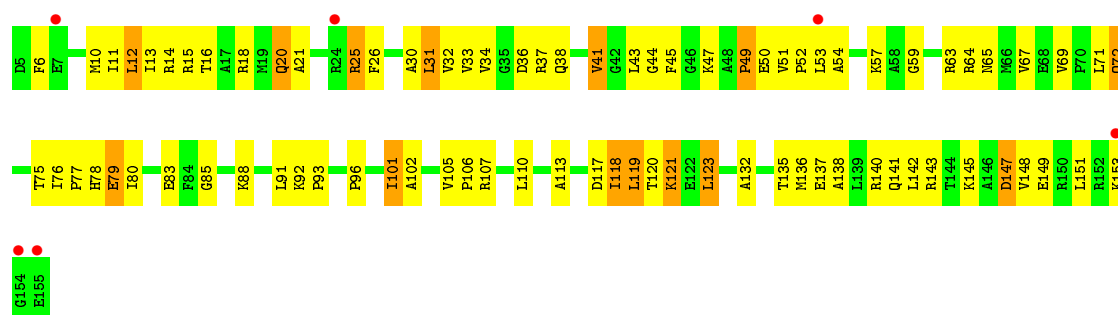
• Molecule 34: 30S ribosomal protein S4



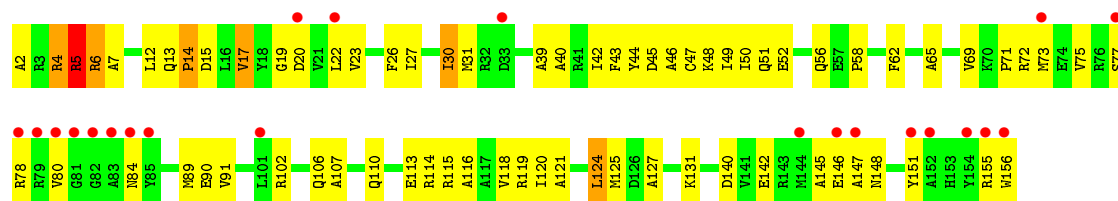
• Molecule 34: 30S ribosomal protein S4



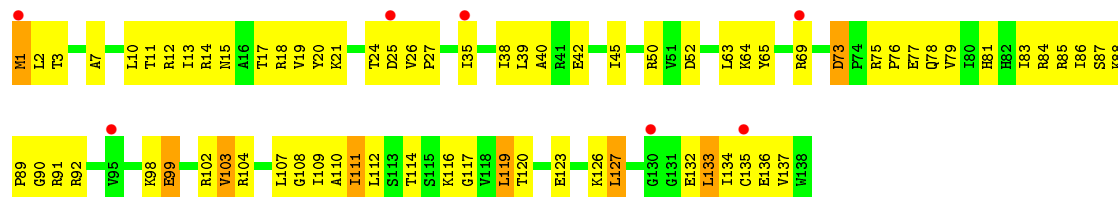
• Molecule 35: 30S ribosomal protein S5



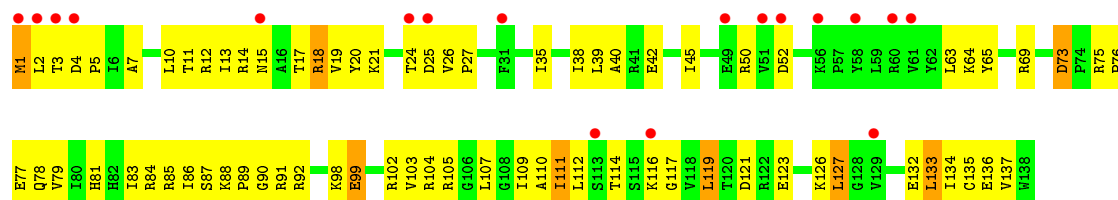




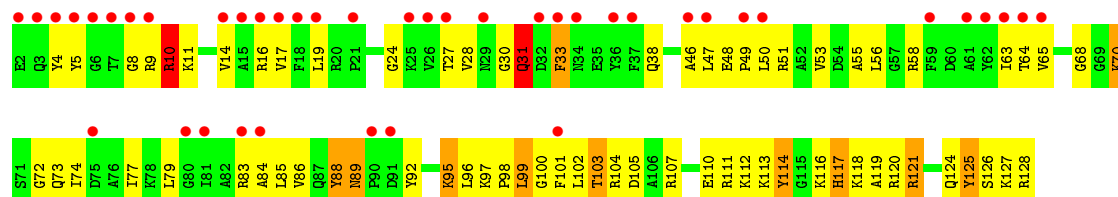
• Molecule 38: 30S ribosomal protein S8



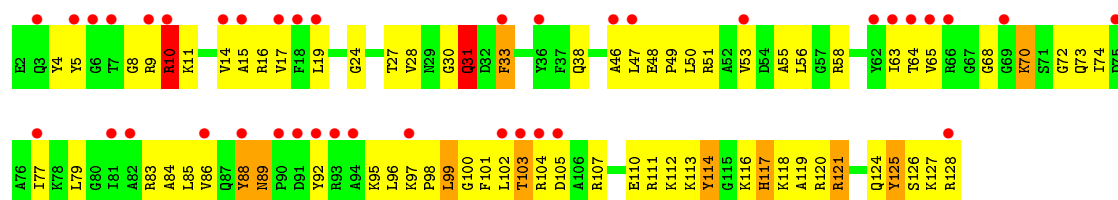
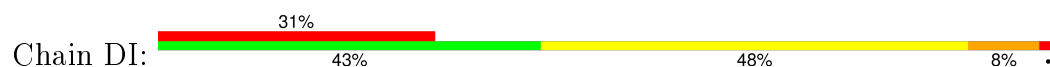
• Molecule 38: 30S ribosomal protein S8



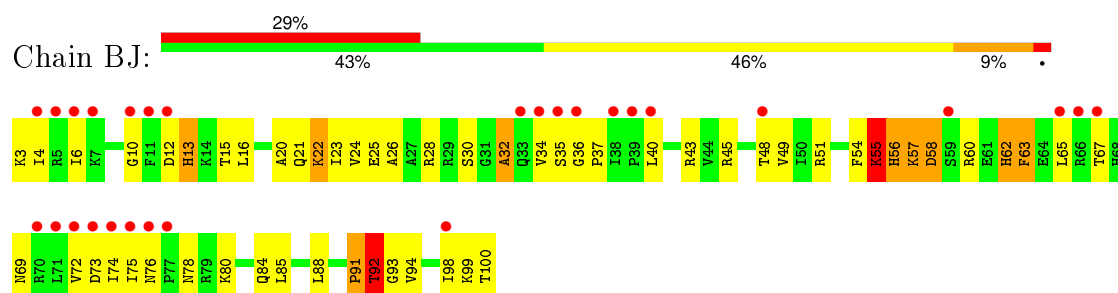
• Molecule 39: 30S ribosomal protein S9



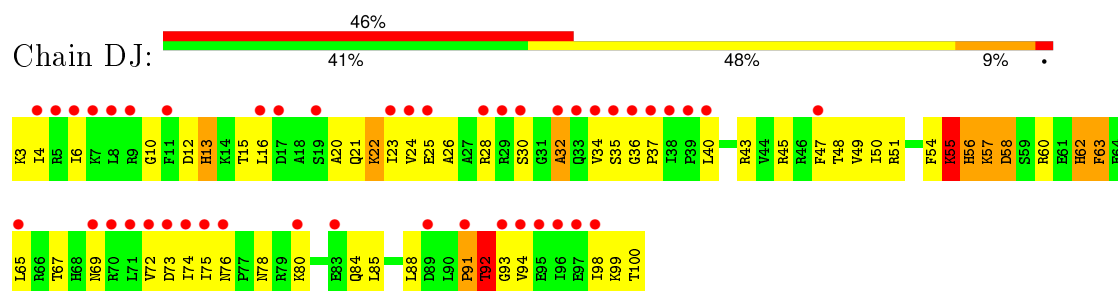
• Molecule 39: 30S ribosomal protein S9



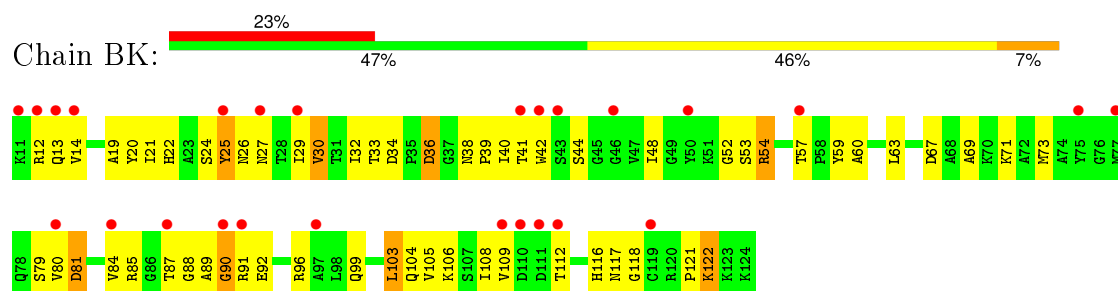
• Molecule 40: 30S ribosomal protein S10



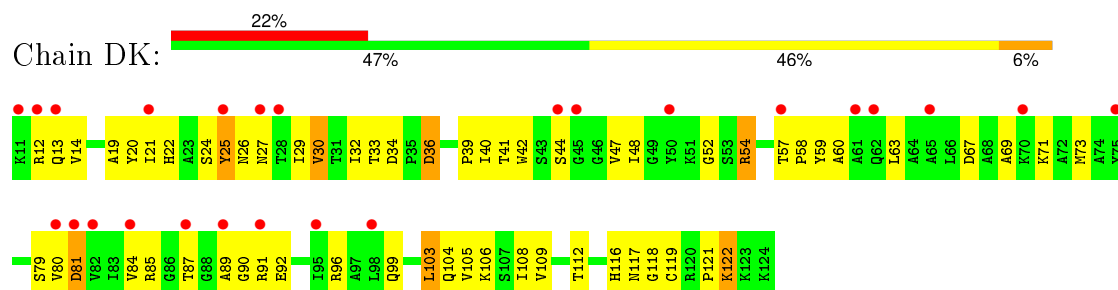
- Molecule 40: 30S ribosomal protein S10



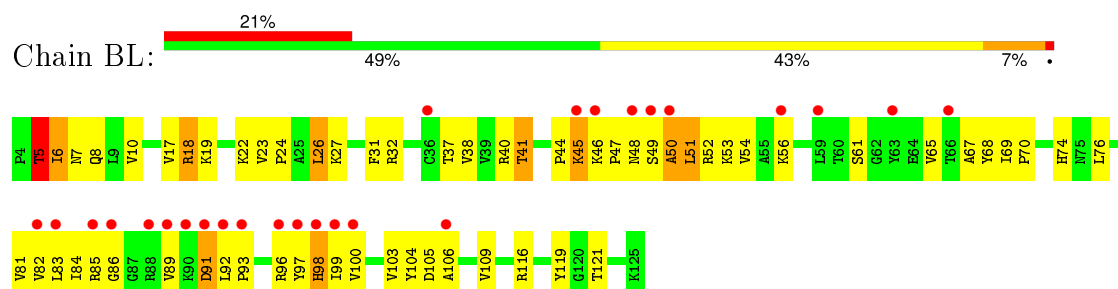
- Molecule 41: 30S ribosomal protein S11



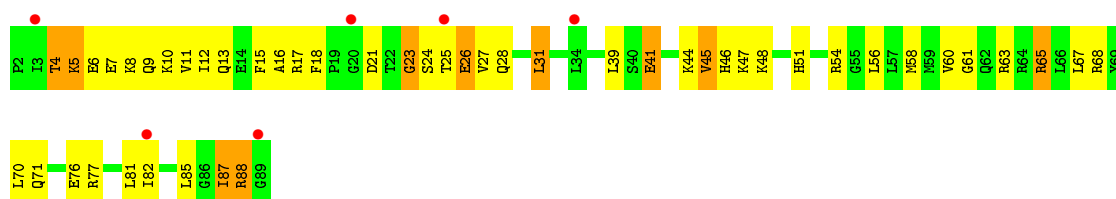
- Molecule 41: 30S ribosomal protein S11



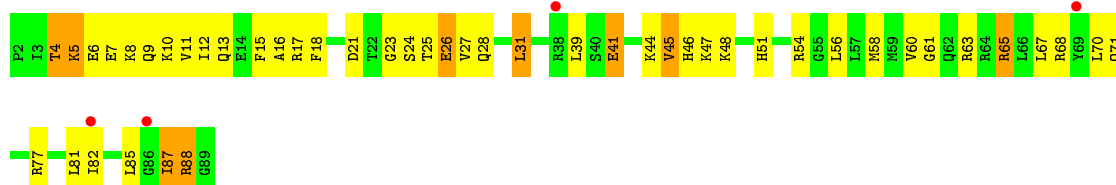
- Molecule 42: 30S ribosomal protein S12



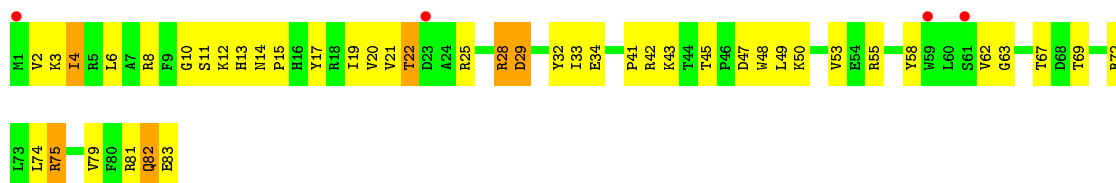




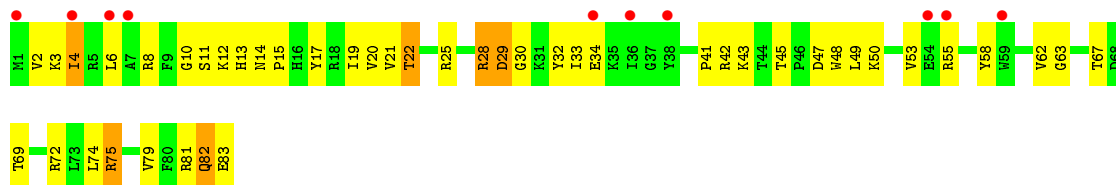
- Molecule 45: 30S ribosomal protein S15



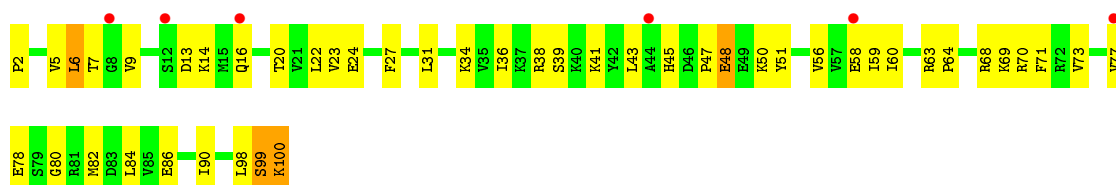
- Molecule 46: 30S ribosomal protein S16



- Molecule 46: 30S ribosomal protein S16

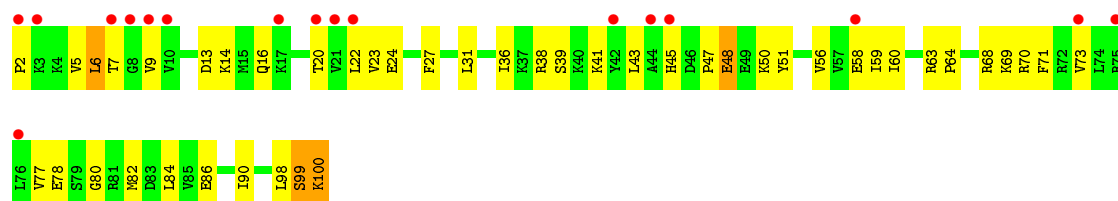


- Molecule 47: 30S ribosomal protein S17

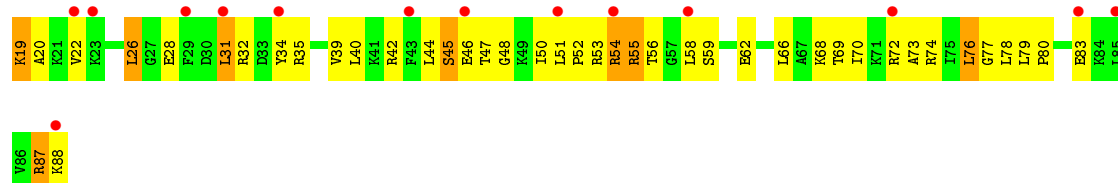


- Molecule 47: 30S ribosomal protein S17

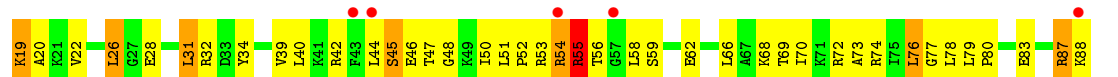




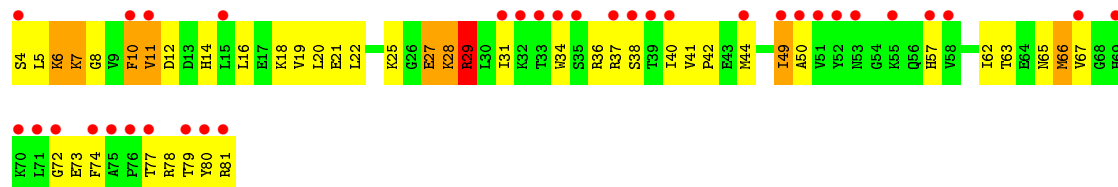
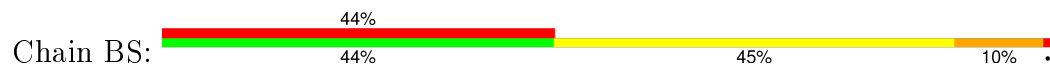
- Molecule 48: 30S ribosomal protein S18



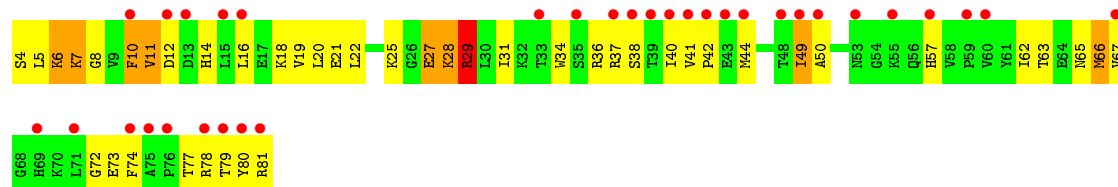
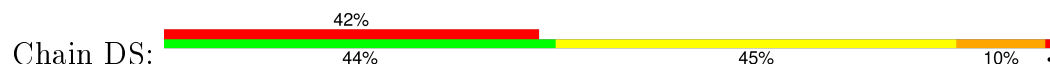
- Molecule 48: 30S ribosomal protein S18



- Molecule 49: 30S ribosomal protein S19

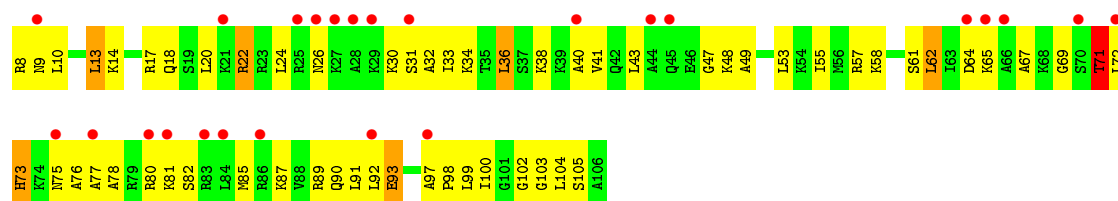


- Molecule 49: 30S ribosomal protein S19

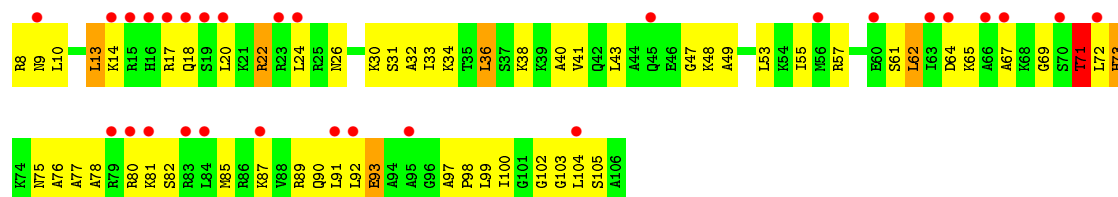


- Molecule 50: 30S ribosomal protein S20

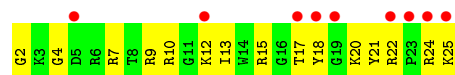




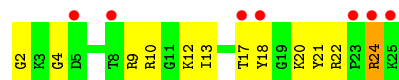
• Molecule 50: 30S ribosomal protein S20



• Molecule 51: 30S ribosomal protein Thx



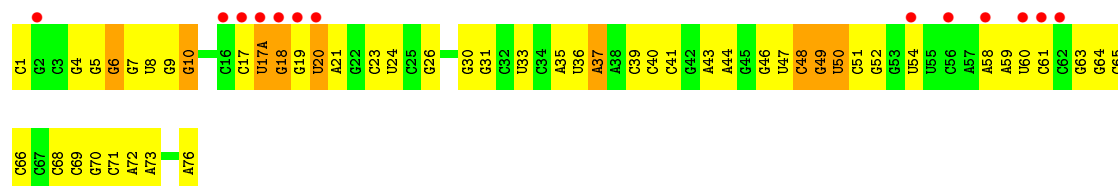
• Molecule 51: 30S ribosomal protein Thx



• Molecule 52: tRNA

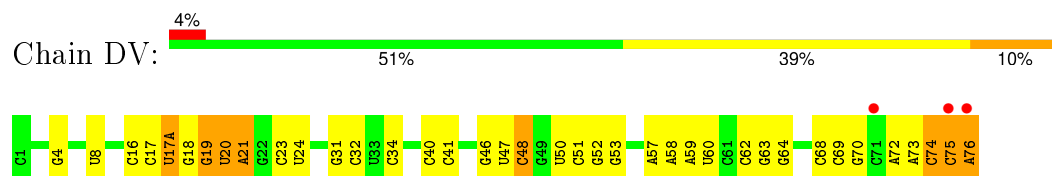


• Molecule 52: tRNA

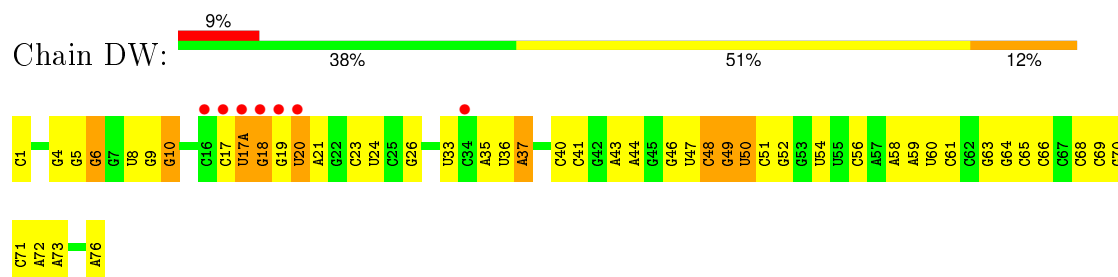


• Molecule 52: tRNA

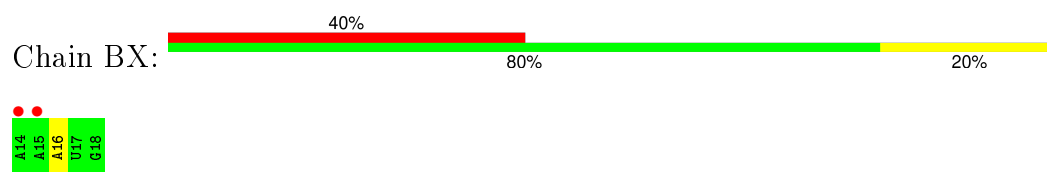




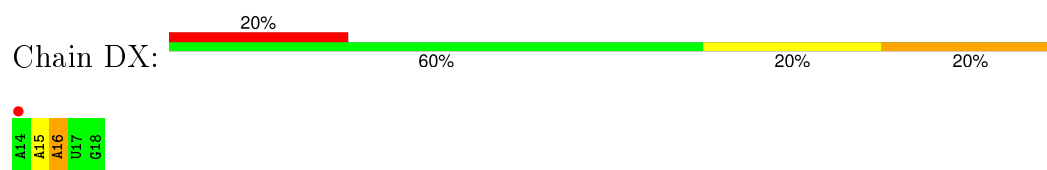
- Molecule 52: tRNA



- Molecule 53: mRNA



- Molecule 53: mRNA



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	211.53Å 454.44Å 620.87Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.98 – 3.40 69.27 – 3.39	Depositor EDS
% Data completeness (in resolution range)	99.8 (49.98-3.40) 99.6 (69.27-3.39)	Depositor EDS
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.64 (at 3.41Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.6.4_486)	Depositor
R, $R_{free}$	0.231 , 0.268 0.234 , 0.269	Depositor DCC
$R_{free}$ test set	16213 reflections (2.04%)	DCC
Wilson B-factor (Å <sup>2</sup> )	82.8	Xtriage
Anisotropy	0.105	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.27 , 86.8	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.43$ , $\langle L^2 \rangle = 0.25$	Xtriage
Outliers	3 of 812339 reflections (0.000%)	Xtriage
$F_o, F_c$ correlation	0.89	EDS
Total number of atoms	293113	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	94.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.61% of the height of the origin peak. No significant pseudotranslation is detected.*

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

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

## 5 Model quality ⓘ

### 5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: ZN, MG, BLS

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	AA	0.34	1/68308 (0.0%)	0.64	11/106635 (0.0%)
1	CA	0.38	1/68308 (0.0%)	0.67	15/106635 (0.0%)
2	AB	0.31	1/2857 (0.0%)	0.52	0/4455
2	CB	0.32	1/2857 (0.0%)	0.53	0/4455
3	AD	0.31	0/2155	0.52	0/2905
3	CD	0.33	0/2155	0.53	0/2905
4	AE	0.27	0/1597	0.49	0/2153
4	CE	0.28	0/1597	0.49	0/2153
5	AF	0.27	0/1622	0.47	0/2194
5	CF	0.28	0/1622	0.47	0/2194
6	AG	0.22	0/1500	0.41	0/2017
6	CG	0.23	0/1500	0.41	0/2017
7	AH	0.22	0/1246	0.43	0/1682
7	CH	0.24	0/1246	0.44	0/1682
8	AI	0.22	0/1148	0.42	0/1552
8	CI	0.24	0/1148	0.43	0/1552
9	AJ	0.26	0/1124	0.49	0/1515
9	CJ	0.29	0/1124	0.50	0/1515
10	AK	0.28	0/942	0.46	0/1268
10	CK	0.28	0/942	0.46	0/1268
11	AL	0.31	0/1131	0.61	0/1504
11	CL	0.33	0/1131	0.62	0/1504
12	AM	0.28	0/1085	0.49	0/1449
12	CM	0.29	0/1085	0.49	0/1449
13	AN	0.28	0/974	0.47	0/1302
13	CN	0.28	0/974	0.48	0/1302
14	AO	0.24	0/779	0.43	0/1036
14	CO	0.25	0/779	0.43	0/1036
15	AP	0.27	0/1158	0.45	0/1544
15	CP	0.27	0/1158	0.45	0/1544
16	AQ	0.28	0/982	0.44	0/1306
16	CQ	0.30	0/982	0.45	0/1306

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
17	AR	0.29	0/790	0.51	0/1057
17	CR	0.31	0/790	0.52	0/1057
18	AS	0.28	0/902	0.46	0/1209
18	CS	0.30	0/902	0.47	0/1209
19	AT	0.29	0/740	0.46	0/993
19	CT	0.32	0/740	0.46	0/993
20	AU	0.30	0/789	0.46	0/1051
20	CU	0.31	0/789	0.47	0/1051
21	AV	0.22	0/1515	0.42	0/2056
21	CV	0.22	0/1515	0.42	0/2056
22	AW	0.28	0/613	0.47	0/816
22	CW	0.27	0/613	0.47	0/816
23	AX	0.32	0/702	0.56	0/932
23	CX	0.34	0/702	0.57	0/932
24	AY	0.27	0/523	0.49	0/690
24	CY	0.30	0/523	0.51	0/690
25	AZ	0.24	0/473	0.46	0/634
25	CZ	0.26	0/473	0.47	0/634
26	A1	0.20	0/229	0.42	0/309
26	C1	0.20	0/229	0.42	0/309
27	A2	0.28	0/419	0.52	0/567
27	C2	0.30	0/419	0.53	0/567
28	A3	0.21	0/388	0.44	0/518
28	C3	0.22	0/388	0.45	0/518
29	A4	0.31	0/427	0.50	0/561
29	C4	0.34	0/427	0.50	0/561
30	A5	0.32	0/516	0.52	0/679
30	C5	0.32	0/516	0.52	0/679
31	BA	0.28	1/36198 (0.0%)	0.55	0/56497
31	DA	0.27	1/36198 (0.0%)	0.55	0/56497
32	BB	0.22	0/1936	0.40	0/2609
32	DB	0.22	0/1936	0.40	0/2609
33	BC	0.22	0/1637	0.40	0/2205
33	DC	0.21	0/1637	0.40	0/2205
34	BD	0.27	0/1733	0.45	0/2318
34	DD	0.25	0/1733	0.42	0/2318
35	BE	0.24	0/1172	0.43	0/1576
35	DE	0.24	0/1172	0.42	0/1576
36	BF	0.24	0/856	0.43	0/1154
36	DF	0.25	0/856	0.44	0/1154
37	BG	0.22	0/1276	0.36	0/1709
37	DG	0.22	0/1276	0.37	0/1709
38	BH	0.23	0/1136	0.44	0/1527

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
38	DH	0.23	0/1136	0.44	0/1527
39	BI	0.22	0/1029	0.39	0/1378
39	DI	0.22	0/1029	0.39	0/1378
40	BJ	0.21	0/808	0.41	0/1085
40	DJ	0.21	0/808	0.41	0/1085
41	BK	0.23	0/857	0.44	0/1157
41	DK	0.23	0/857	0.44	0/1157
42	BL	0.25	0/973	0.46	0/1301
42	DL	0.25	0/973	0.46	0/1301
43	BM	0.21	0/944	0.41	0/1265
43	DM	0.21	0/944	0.41	0/1265
44	BN	0.24	0/501	0.39	0/664
44	DN	0.23	0/501	0.42	0/664
45	BO	0.25	0/745	0.40	0/992
45	DO	0.25	0/745	0.40	0/992
46	BP	0.26	0/717	0.45	0/963
46	DP	0.23	0/717	0.45	0/963
47	BQ	0.25	0/837	0.42	0/1117
47	DQ	0.25	0/837	0.42	0/1117
48	BR	0.24	0/579	0.44	0/768
48	DR	0.25	0/579	0.44	0/768
49	BS	0.20	0/643	0.40	0/865
49	DS	0.20	0/643	0.40	0/865
50	BT	0.24	0/764	0.42	0/1006
50	DT	0.22	0/764	0.41	0/1006
51	BU	0.20	0/213	0.37	0/277
51	DU	0.20	0/213	0.37	0/277
52	BV	0.21	0/1832	0.48	0/2855
52	BW	0.17	0/1832	0.44	0/2855
52	DV	0.21	0/1832	0.49	0/2855
52	DW	0.17	0/1832	0.44	0/2855
53	BX	0.26	0/122	0.47	0/188
53	DX	0.29	0/122	0.48	0/188
All	All	0.31	6/313948 (0.0%)	0.58	26/469840 (0.0%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
13	AN	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
13	CN	0	1
All	All	0	2

The worst 5 of 6 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BA	5	U	OP3-P	-10.80	1.48	1.61
31	DA	5	U	OP3-P	-10.71	1.48	1.61
2	AB	1	U	OP3-P	-10.65	1.48	1.61
2	CB	1	U	OP3-P	-10.63	1.48	1.61
1	CA	6	A	OP3-P	-10.61	1.48	1.61

The worst 5 of 26 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	AA	1420	U	C2-N1-C1'	6.88	125.96	117.70
1	CA	1420	U	C2-N1-C1'	6.84	125.91	117.70
1	CA	1420	U	C6-N1-C1'	-6.61	111.95	121.20
1	AA	1420	U	C6-N1-C1'	-6.57	112.00	121.20
1	CA	2593	U	N3-C4-C5	-6.13	110.92	114.60

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
13	AN	10	LEU	Peptide
13	CN	10	LEU	Peptide

## 5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	AA	60991	0	30744	1335	0
1	CA	60991	0	30744	1337	0
2	AB	2555	0	1294	52	0
2	CB	2555	0	1294	59	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	AD	2105	0	2182	184	0
3	CD	2105	0	2182	187	0
4	AE	1564	0	1629	103	0
4	CE	1564	0	1629	115	0
5	AF	1587	0	1632	102	0
5	CF	1587	0	1632	102	0
6	AG	1475	0	1537	127	0
6	CG	1475	0	1537	127	0
7	AH	1223	0	1282	65	0
7	CH	1223	0	1282	65	0
8	AI	1133	0	1220	75	0
8	CI	1133	0	1220	87	0
9	AJ	1097	0	1168	80	0
9	CJ	1097	0	1168	82	0
10	AK	932	0	994	50	0
10	CK	932	0	994	48	0
11	AL	1114	0	1187	196	0
11	CL	1114	0	1187	203	0
12	AM	1065	0	1114	93	0
12	CM	1065	0	1114	97	0
13	AN	960	0	1021	81	0
13	CN	960	0	1021	76	0
14	AO	771	0	832	62	0
14	CO	771	0	832	66	0
15	AP	1144	0	1211	75	0
15	CP	1144	0	1211	91	0
16	AQ	964	0	1022	77	0
16	CQ	964	0	1022	79	0
17	AR	779	0	852	79	0
17	CR	779	0	852	82	0
18	AS	891	0	951	50	0
18	CS	891	0	951	58	0
19	AT	726	0	778	60	0
19	CT	726	0	778	59	0
20	AU	776	0	870	94	0
20	CU	776	0	870	93	0
21	AV	1483	0	1507	88	0
21	CV	1483	0	1507	92	0
22	AW	605	0	628	28	0
22	CW	605	0	628	27	0
23	AX	695	0	764	85	0
23	CX	695	0	764	88	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
24	AY	521	0	575	62	0
24	CY	521	0	575	67	0
25	AZ	468	0	523	23	0
25	CZ	468	0	523	25	0
26	A1	226	0	225	22	0
26	C1	226	0	225	22	0
27	A2	405	0	420	43	0
27	C2	405	0	420	44	0
28	A3	381	0	391	33	0
28	C3	381	0	391	34	0
29	A4	419	0	467	29	0
29	C4	419	0	467	29	0
30	A5	508	0	576	64	0
30	C5	508	0	576	64	0
31	BA	32336	0	16317	778	0
31	DA	32336	0	16317	795	0
32	BB	1901	0	1951	125	0
32	DB	1901	0	1951	124	0
33	BC	1613	0	1677	117	0
33	DC	1613	0	1677	112	0
34	BD	1703	0	1764	135	0
34	DD	1703	0	1764	168	0
35	BE	1156	0	1213	73	0
35	DE	1156	0	1213	78	0
36	BF	843	0	857	62	0
36	DF	843	0	857	64	0
37	BG	1257	0	1296	52	0
37	DG	1257	0	1296	53	0
38	BH	1116	0	1177	67	0
38	DH	1116	0	1177	65	0
39	BI	1011	0	1043	95	0
39	DI	1011	0	1043	93	0
40	BJ	795	0	840	62	0
40	DJ	795	0	840	65	0
41	BK	843	0	859	54	0
41	DK	843	0	859	58	0
42	BL	957	0	1046	68	0
42	DL	957	0	1046	67	0
43	BM	934	0	992	76	0
43	DM	934	0	992	79	0
44	BN	492	0	531	46	0
44	DN	492	0	531	36	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
45	BO	734	0	771	45	0
45	DO	734	0	771	42	0
46	BP	701	0	720	51	0
46	DP	701	0	720	54	0
47	BQ	824	0	893	42	0
47	DQ	824	0	893	42	0
48	BR	574	0	644	47	0
48	DR	574	0	644	47	0
49	BS	630	0	652	57	0
49	DS	630	0	652	56	0
50	BT	762	0	859	45	0
50	DT	762	0	859	46	0
51	BU	209	0	221	19	0
51	DU	209	0	221	14	0
52	BV	1640	0	837	41	0
52	BW	1640	0	837	52	0
52	DV	1640	0	837	40	0
52	DW	1640	0	837	46	0
53	BX	109	0	55	0	0
53	DX	109	0	55	1	0
54	AA	30	0	24	6	0
54	CA	30	0	24	6	0
55	A3	3	0	0	0	0
55	A4	5	0	0	0	0
55	A5	2	0	0	0	0
55	AA	1296	0	0	0	0
55	AB	50	0	0	0	0
55	AD	4	0	0	0	0
55	AE	4	0	0	0	0
55	AF	6	0	0	0	0
55	AG	2	0	0	0	0
55	AJ	1	0	0	0	0
55	AK	2	0	0	0	0
55	AL	2	0	0	0	0
55	AM	3	0	0	0	0
55	AN	4	0	0	0	0
55	AO	1	0	0	0	0
55	AP	2	0	0	0	0
55	AR	5	0	0	0	0
55	AS	6	0	0	0	0
55	AV	2	0	0	0	0
55	AX	6	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	AY	1	0	0	0	0
55	BA	570	0	0	0	0
55	BB	2	0	0	0	0
55	BC	3	0	0	0	0
55	BE	5	0	0	0	0
55	BG	2	0	0	0	0
55	BH	1	0	0	0	0
55	BI	2	0	0	0	0
55	BL	2	0	0	0	0
55	BO	1	0	0	0	0
55	BP	1	0	0	0	0
55	BQ	2	0	0	0	0
55	BR	1	0	0	0	0
55	BT	1	0	0	0	0
55	BU	1	0	0	0	0
55	BV	30	0	0	0	0
55	BW	19	0	0	0	0
55	C2	2	0	0	0	0
55	C3	2	0	0	0	0
55	C4	4	0	0	0	0
55	C5	3	0	0	0	0
55	CA	1504	0	0	0	0
55	CB	65	0	0	0	0
55	CD	6	0	0	0	0
55	CE	6	0	0	0	0
55	CF	7	0	0	0	0
55	CG	1	0	0	0	0
55	CI	1	0	0	0	0
55	CJ	2	0	0	0	0
55	CK	2	0	0	0	0
55	CL	7	0	0	0	0
55	CN	3	0	0	0	0
55	CO	1	0	0	0	0
55	CP	1	0	0	0	0
55	CQ	5	0	0	0	0
55	CR	2	0	0	0	0
55	CS	4	0	0	0	0
55	CT	1	0	0	0	0
55	CV	4	0	0	0	0
55	CW	4	0	0	0	0
55	CX	3	0	0	0	0
55	CY	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	DA	604	0	0	0	0
55	DD	2	0	0	0	0
55	DE	2	0	0	0	0
55	DG	1	0	0	0	0
55	DH	3	0	0	0	0
55	DI	1	0	0	0	0
55	DJ	1	0	0	0	0
55	DK	1	0	0	0	0
55	DL	2	0	0	0	0
55	DM	1	0	0	0	0
55	DO	2	0	0	0	0
55	DQ	1	0	0	0	0
55	DR	2	0	0	0	0
55	DT	1	0	0	0	0
55	DV	24	0	0	0	0
55	DW	22	0	0	0	0
55	DX	1	0	0	0	0
56	BD	1	0	0	0	0
56	BN	1	0	0	0	0
56	DD	1	0	0	0	0
56	DN	1	0	0	0	0
All	All	293113	0	195344	10300	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 21.

The worst 5 of 10300 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:AA:1541:U:H3'	1:AA:1542:G:H3'	1.16	1.16
1:CA:2502:G:H5'	1:CA:2503:A:H5''	1.29	1.14
1:AA:2502:G:H5'	1:AA:2503:A:H5''	1.28	1.14
1:CA:1541:U:H3'	1:CA:1542:G:H3'	1.16	1.12
1:CA:2303:G:H2'	1:CA:2304:G:H5''	1.33	1.10

There are no symmetry-related clashes.

## 5.3 Torsion angles

### 5.3.1 Protein backbone

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	AD	269/271 (99%)	220 (82%)	35 (13%)	14 (5%)	2	23
3	CD	269/271 (99%)	220 (82%)	35 (13%)	14 (5%)	2	23
4	AE	202/204 (99%)	164 (81%)	27 (13%)	11 (5%)	2	22
4	CE	202/204 (99%)	164 (81%)	27 (13%)	11 (5%)	2	22
5	AF	200/202 (99%)	168 (84%)	24 (12%)	8 (4%)	4	31
5	CF	200/202 (99%)	167 (84%)	25 (12%)	8 (4%)	4	31
6	AG	179/181 (99%)	128 (72%)	38 (21%)	13 (7%)	1	14
6	CG	179/181 (99%)	129 (72%)	36 (20%)	14 (8%)	1	12
7	AH	157/159 (99%)	122 (78%)	29 (18%)	6 (4%)	4	32
7	CH	157/159 (99%)	122 (78%)	29 (18%)	6 (4%)	4	32
8	AI	143/145 (99%)	120 (84%)	22 (15%)	1 (1%)	26	70
8	CI	143/145 (99%)	121 (85%)	21 (15%)	1 (1%)	26	70
9	AJ	135/137 (98%)	104 (77%)	21 (16%)	10 (7%)	1	14
9	CJ	135/137 (98%)	104 (77%)	21 (16%)	10 (7%)	1	14
10	AK	120/122 (98%)	107 (89%)	10 (8%)	3 (2%)	7	43
10	CK	120/122 (98%)	107 (89%)	9 (8%)	4 (3%)	5	37
11	AL	144/146 (99%)	89 (62%)	35 (24%)	20 (14%)	0	3
11	CL	144/146 (99%)	89 (62%)	34 (24%)	21 (15%)	0	3
12	AM	132/134 (98%)	96 (73%)	21 (16%)	15 (11%)	0	6
12	CM	132/134 (98%)	96 (73%)	22 (17%)	14 (11%)	0	6
13	AN	115/117 (98%)	92 (80%)	15 (13%)	8 (7%)	1	15
13	CN	115/117 (98%)	92 (80%)	15 (13%)	8 (7%)	1	15
14	AO	96/98 (98%)	65 (68%)	23 (24%)	8 (8%)	1	11
14	CO	96/98 (98%)	65 (68%)	22 (23%)	9 (9%)	1	8
15	AP	135/137 (98%)	105 (78%)	22 (16%)	8 (6%)	2	19

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
15	CP	135/137 (98%)	104 (77%)	23 (17%)	8 (6%)	2	19
16	AQ	115/117 (98%)	102 (89%)	10 (9%)	3 (3%)	7	42
16	CQ	115/117 (98%)	102 (89%)	10 (9%)	3 (3%)	7	42
17	AR	99/101 (98%)	79 (80%)	16 (16%)	4 (4%)	4	31
17	CR	99/101 (98%)	78 (79%)	17 (17%)	4 (4%)	4	31
18	AS	110/112 (98%)	102 (93%)	8 (7%)	0	100	100
18	CS	110/112 (98%)	99 (90%)	11 (10%)	0	100	100
19	AT	90/92 (98%)	76 (84%)	12 (13%)	2 (2%)	8	46
19	CT	90/92 (98%)	75 (83%)	13 (14%)	2 (2%)	8	46
20	AU	98/100 (98%)	63 (64%)	23 (24%)	12 (12%)	0	5
20	CU	98/100 (98%)	65 (66%)	21 (21%)	12 (12%)	0	5
21	AV	185/187 (99%)	159 (86%)	19 (10%)	7 (4%)	4	32
21	CV	185/187 (99%)	159 (86%)	19 (10%)	7 (4%)	4	32
22	AW	74/76 (97%)	59 (80%)	13 (18%)	2 (3%)	6	41
22	CW	74/76 (97%)	59 (80%)	13 (18%)	2 (3%)	6	41
23	AX	86/88 (98%)	56 (65%)	19 (22%)	11 (13%)	0	4
23	CX	86/88 (98%)	56 (65%)	19 (22%)	11 (13%)	0	4
24	AY	60/62 (97%)	47 (78%)	8 (13%)	5 (8%)	1	11
24	CY	60/62 (97%)	47 (78%)	8 (13%)	5 (8%)	1	11
25	AZ	57/59 (97%)	52 (91%)	4 (7%)	1 (2%)	11	50
25	CZ	57/59 (97%)	52 (91%)	4 (7%)	1 (2%)	11	50
26	A1	28/30 (93%)	13 (46%)	13 (46%)	2 (7%)	1	15
26	C1	28/30 (93%)	13 (46%)	13 (46%)	2 (7%)	1	15
27	A2	50/52 (96%)	45 (90%)	3 (6%)	2 (4%)	4	31
27	C2	50/52 (96%)	45 (90%)	3 (6%)	2 (4%)	4	31
28	A3	42/44 (96%)	26 (62%)	12 (29%)	4 (10%)	1	8
28	C3	42/44 (96%)	26 (62%)	12 (29%)	4 (10%)	1	8
29	A4	46/48 (96%)	44 (96%)	1 (2%)	1 (2%)	8	46
29	C4	46/48 (96%)	44 (96%)	1 (2%)	1 (2%)	8	46
30	A5	61/63 (97%)	46 (75%)	9 (15%)	6 (10%)	1	8
30	C5	61/63 (97%)	46 (75%)	9 (15%)	6 (10%)	1	8

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
32	BB	232/234 (99%)	183 (79%)	36 (16%)	13 (6%)	2	21
32	DB	232/234 (99%)	183 (79%)	36 (16%)	13 (6%)	2	21
33	BC	204/206 (99%)	159 (78%)	28 (14%)	17 (8%)	1	11
33	DC	204/206 (99%)	158 (78%)	28 (14%)	18 (9%)	1	10
34	BD	206/208 (99%)	161 (78%)	34 (16%)	11 (5%)	2	22
34	DD	206/208 (99%)	161 (78%)	34 (16%)	11 (5%)	2	22
35	BE	149/151 (99%)	120 (80%)	26 (17%)	3 (2%)	9	48
35	DE	149/151 (99%)	120 (80%)	25 (17%)	4 (3%)	6	41
36	BF	99/101 (98%)	88 (89%)	10 (10%)	1 (1%)	19	63
36	DF	99/101 (98%)	89 (90%)	9 (9%)	1 (1%)	19	63
37	BG	153/155 (99%)	131 (86%)	17 (11%)	5 (3%)	5	37
37	DG	153/155 (99%)	131 (86%)	15 (10%)	7 (5%)	3	26
38	BH	136/138 (99%)	114 (84%)	20 (15%)	2 (2%)	13	54
38	DH	136/138 (99%)	113 (83%)	21 (15%)	2 (2%)	13	54
39	BI	125/127 (98%)	92 (74%)	25 (20%)	8 (6%)	2	17
39	DI	125/127 (98%)	92 (74%)	25 (20%)	8 (6%)	2	17
40	BJ	96/98 (98%)	80 (83%)	11 (12%)	5 (5%)	2	23
40	DJ	96/98 (98%)	80 (83%)	11 (12%)	5 (5%)	2	23
41	BK	112/114 (98%)	93 (83%)	15 (13%)	4 (4%)	4	34
41	DK	112/114 (98%)	94 (84%)	14 (12%)	4 (4%)	4	34
42	BL	120/122 (98%)	94 (78%)	22 (18%)	4 (3%)	5	37
42	DL	120/122 (98%)	93 (78%)	23 (19%)	4 (3%)	5	37
43	BM	115/117 (98%)	97 (84%)	15 (13%)	3 (3%)	7	42
43	DM	115/117 (98%)	97 (84%)	15 (13%)	3 (3%)	7	42
44	BN	58/60 (97%)	47 (81%)	8 (14%)	3 (5%)	2	23
44	DN	58/60 (97%)	43 (74%)	12 (21%)	3 (5%)	2	23
45	BO	86/88 (98%)	75 (87%)	9 (10%)	2 (2%)	8	45
45	DO	86/88 (98%)	74 (86%)	10 (12%)	2 (2%)	8	45
46	BP	81/83 (98%)	65 (80%)	13 (16%)	3 (4%)	4	33
46	DP	81/83 (98%)	66 (82%)	12 (15%)	3 (4%)	4	33
47	BQ	97/99 (98%)	82 (84%)	12 (12%)	3 (3%)	5	39

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
47	DQ	97/99 (98%)	80 (82%)	14 (14%)	3 (3%)	5	39
48	BR	68/70 (97%)	55 (81%)	8 (12%)	5 (7%)	1	14
48	DR	68/70 (97%)	55 (81%)	8 (12%)	5 (7%)	1	14
49	BS	76/78 (97%)	57 (75%)	12 (16%)	7 (9%)	1	9
49	DS	76/78 (97%)	58 (76%)	11 (14%)	7 (9%)	1	9
50	BT	97/99 (98%)	75 (77%)	16 (16%)	6 (6%)	2	18
50	DT	97/99 (98%)	75 (77%)	16 (16%)	6 (6%)	2	18
51	BU	22/24 (92%)	16 (73%)	5 (23%)	1 (4%)	3	27
51	DU	22/24 (92%)	16 (73%)	5 (23%)	1 (4%)	3	27
All	All	11120/11312 (98%)	8857 (80%)	1670 (15%)	593 (5%)	2	22

5 of 593 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	AD	33	LEU
3	AD	40	THR
3	AD	59	LYS
3	AD	239	ARG
4	AE	86	PRO

### 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	AD	213/213 (100%)	187 (88%)	26 (12%)	6	28
3	CD	213/213 (100%)	188 (88%)	25 (12%)	7	30
4	AE	165/165 (100%)	147 (89%)	18 (11%)	8	34
4	CE	165/165 (100%)	147 (89%)	18 (11%)	8	34
5	AF	161/161 (100%)	143 (89%)	18 (11%)	7	32
5	CF	161/161 (100%)	143 (89%)	18 (11%)	7	32
6	AG	155/155 (100%)	138 (89%)	17 (11%)	8	34

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
6	CG	155/155 (100%)	137 (88%)	18 (12%)	7	31
7	AH	132/132 (100%)	119 (90%)	13 (10%)	10	40
7	CH	132/132 (100%)	119 (90%)	13 (10%)	10	40
8	AI	122/122 (100%)	107 (88%)	15 (12%)	6	28
8	CI	122/122 (100%)	107 (88%)	15 (12%)	6	28
9	AJ	116/116 (100%)	103 (89%)	13 (11%)	7	32
9	CJ	116/116 (100%)	102 (88%)	14 (12%)	6	28
10	AK	100/100 (100%)	91 (91%)	9 (9%)	12	45
10	CK	100/100 (100%)	91 (91%)	9 (9%)	12	45
11	AL	112/112 (100%)	86 (77%)	26 (23%)	1	4
11	CL	112/112 (100%)	86 (77%)	26 (23%)	1	4
12	AM	105/105 (100%)	92 (88%)	13 (12%)	6	27
12	CM	105/105 (100%)	92 (88%)	13 (12%)	6	27
13	AN	100/100 (100%)	86 (86%)	14 (14%)	4	23
13	CN	100/100 (100%)	86 (86%)	14 (14%)	4	23
14	AO	77/77 (100%)	64 (83%)	13 (17%)	2	14
14	CO	77/77 (100%)	64 (83%)	13 (17%)	2	14
15	AP	121/121 (100%)	102 (84%)	19 (16%)	3	18
15	CP	121/121 (100%)	102 (84%)	19 (16%)	3	18
16	AQ	93/93 (100%)	84 (90%)	9 (10%)	10	40
16	CQ	93/93 (100%)	85 (91%)	8 (9%)	13	48
17	AR	82/82 (100%)	67 (82%)	15 (18%)	2	10
17	CR	82/82 (100%)	66 (80%)	16 (20%)	2	8
18	AS	91/91 (100%)	82 (90%)	9 (10%)	10	39
18	CS	91/91 (100%)	81 (89%)	10 (11%)	8	34
19	AT	74/74 (100%)	66 (89%)	8 (11%)	8	35
19	CT	74/74 (100%)	66 (89%)	8 (11%)	8	35
20	AU	84/84 (100%)	70 (83%)	14 (17%)	3	14
20	CU	84/84 (100%)	70 (83%)	14 (17%)	3	14
21	AV	162/162 (100%)	152 (94%)	10 (6%)	23	63
21	CV	162/162 (100%)	152 (94%)	10 (6%)	23	63

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
22	AW	61/61 (100%)	55 (90%)	6 (10%)	10	40
22	CW	61/61 (100%)	55 (90%)	6 (10%)	10	40
23	AX	73/73 (100%)	65 (89%)	8 (11%)	8	34
23	CX	73/73 (100%)	64 (88%)	9 (12%)	6	28
24	AY	58/58 (100%)	51 (88%)	7 (12%)	6	28
24	CY	58/58 (100%)	51 (88%)	7 (12%)	6	28
25	AZ	51/51 (100%)	45 (88%)	6 (12%)	6	29
25	CZ	51/51 (100%)	45 (88%)	6 (12%)	6	29
26	A1	27/27 (100%)	24 (89%)	3 (11%)	8	33
26	C1	27/27 (100%)	24 (89%)	3 (11%)	8	33
27	A2	45/45 (100%)	40 (89%)	5 (11%)	8	33
27	C2	45/45 (100%)	40 (89%)	5 (11%)	8	33
28	A3	43/43 (100%)	40 (93%)	3 (7%)	19	58
28	C3	43/43 (100%)	40 (93%)	3 (7%)	19	58
29	A4	41/41 (100%)	33 (80%)	8 (20%)	2	8
29	C4	41/41 (100%)	33 (80%)	8 (20%)	2	8
30	A5	53/53 (100%)	49 (92%)	4 (8%)	17	54
30	C5	53/53 (100%)	49 (92%)	4 (8%)	17	54
32	BB	202/202 (100%)	184 (91%)	18 (9%)	12	45
32	DB	202/202 (100%)	184 (91%)	18 (9%)	12	45
33	BC	160/160 (100%)	144 (90%)	16 (10%)	9	38
33	DC	160/160 (100%)	144 (90%)	16 (10%)	9	38
34	BD	180/180 (100%)	156 (87%)	24 (13%)	5	24
34	DD	180/180 (100%)	159 (88%)	21 (12%)	7	30
35	BE	116/116 (100%)	103 (89%)	13 (11%)	7	32
35	DE	116/116 (100%)	104 (90%)	12 (10%)	9	37
36	BF	90/90 (100%)	78 (87%)	12 (13%)	5	24
36	DF	90/90 (100%)	78 (87%)	12 (13%)	5	24
37	BG	126/126 (100%)	120 (95%)	6 (5%)	31	71
37	DG	126/126 (100%)	120 (95%)	6 (5%)	31	71
38	BH	119/119 (100%)	105 (88%)	14 (12%)	6	29

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
38	DH	119/119 (100%)	105 (88%)	14 (12%)	6	29
39	BI	98/98 (100%)	87 (89%)	11 (11%)	7	32
39	DI	98/98 (100%)	87 (89%)	11 (11%)	7	32
40	BJ	88/88 (100%)	79 (90%)	9 (10%)	9	38
40	DJ	88/88 (100%)	79 (90%)	9 (10%)	9	38
41	BK	86/86 (100%)	77 (90%)	9 (10%)	8	36
41	DK	86/86 (100%)	77 (90%)	9 (10%)	8	36
42	BL	103/103 (100%)	93 (90%)	10 (10%)	10	40
42	DL	103/103 (100%)	93 (90%)	10 (10%)	10	40
43	BM	94/94 (100%)	83 (88%)	11 (12%)	7	30
43	DM	94/94 (100%)	83 (88%)	11 (12%)	7	30
44	BN	49/49 (100%)	46 (94%)	3 (6%)	23	63
44	DN	49/49 (100%)	46 (94%)	3 (6%)	23	63
45	BO	79/79 (100%)	69 (87%)	10 (13%)	5	26
45	DO	79/79 (100%)	69 (87%)	10 (13%)	5	26
46	BP	72/72 (100%)	65 (90%)	7 (10%)	10	40
46	DP	72/72 (100%)	65 (90%)	7 (10%)	10	40
47	BQ	94/94 (100%)	90 (96%)	4 (4%)	35	74
47	DQ	94/94 (100%)	90 (96%)	4 (4%)	35	74
48	BR	61/61 (100%)	56 (92%)	5 (8%)	14	50
48	DR	61/61 (100%)	55 (90%)	6 (10%)	10	40
49	BS	69/69 (100%)	61 (88%)	8 (12%)	7	31
49	DS	69/69 (100%)	61 (88%)	8 (12%)	7	31
50	BT	76/76 (100%)	68 (90%)	8 (10%)	8	36
50	DT	76/76 (100%)	68 (90%)	8 (10%)	8	36
51	BU	19/19 (100%)	19 (100%)	0	100	100
51	DU	19/19 (100%)	19 (100%)	0	100	100
All	All	9396/9396 (100%)	8342 (89%)	1054 (11%)	7	32

5 of 1054 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
43	BM	87	TYR

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Mol	Chain	Res	Type
6	CG	34	LEU
40	DJ	62	HIS
45	BO	41	GLU
3	CD	106	ILE

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 216 such sidechains are listed below:

Mol	Chain	Res	Type
43	BM	101	GLN
5	CF	67	GLN
41	DK	117	ASN
45	BO	37	ASN
50	BT	73	HIS

### 5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	2830/2879 (98%)	442 (15%)	15 (0%)
1	CA	2830/2879 (98%)	441 (15%)	15 (0%)
2	AB	118/119 (99%)	9 (7%)	0
2	CB	118/119 (99%)	9 (7%)	0
31	BA	1504/1504 (100%)	204 (13%)	12 (0%)
31	DA	1504/1504 (100%)	205 (13%)	12 (0%)
52	BV	76/77 (98%)	11 (14%)	0
52	BW	76/77 (98%)	12 (15%)	1 (1%)
52	DV	76/77 (98%)	11 (14%)	0
52	DW	76/77 (98%)	12 (15%)	1 (1%)
53	BX	4/5 (80%)	1 (25%)	0
53	DX	4/5 (80%)	1 (25%)	0
All	All	9216/9322 (98%)	1358 (14%)	56 (0%)

5 of 1358 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	11	G
1	AA	34	C
1	AA	35	G
1	AA	46	C
1	AA	49	A

5 of 56 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
31	BA	1285	A
1	CA	616	A
31	DA	748	C
31	BA	1504	G
1	CA	34	C

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

There are no non-standard protein/DNA/RNA residues in this entry.

## 5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 5.6 Ligand geometry [i](#)

Of 4369 ligands modelled in this entry, 4367 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$
54	BLS	AA	4001	-	18,31,31	3.32	6 (33%)	12,43,43	2.69	3 (25%)
54	BLS	CA	4405	-	18,31,31	3.35	6 (33%)	12,43,43	2.69	3 (25%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	BLS	AA	4001	-	-	0/13/38/38	0/2/2/2
54	BLS	CA	4405	-	-	0/13/38/38	0/2/2/2

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	CA	4405	BLS	C4'-N6	3.38	1.50	1.46
54	AA	4001	BLS	C4'-N6	3.49	1.50	1.46
54	AA	4001	BLS	C4-N4	4.23	1.47	1.35
54	CA	4405	BLS	C4-N4	4.25	1.47	1.35
54	AA	4001	BLS	C3'-C2'	4.46	1.47	1.33

The worst 5 of 6 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	CA	4405	BLS	C9-C8-C7	2.48	115.29	112.61
54	CA	4405	BLS	C2-N3-C4	2.55	119.20	115.61
54	AA	4001	BLS	C2-N3-C4	2.61	119.29	115.61
54	AA	4001	BLS	C9-C8-C7	2.70	115.53	112.61
54	CA	4405	BLS	C13-N12-C11	7.65	121.48	110.50

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

2 monomers are involved in 12 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	AA	4001	BLS	6	0
54	CA	4405	BLS	6	0

## 5.7 Other polymers [i](#)

There are no such residues in this entry.

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

There are no chain breaks in this entry.

## 6 Fit of model and data ⓘ

### 6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
1	AA	2832/2879 (98%)	0.52	132 (4%) 35 32	29, 68, 217, 367	0
1	CA	2832/2879 (98%)	0.47	122 (4%) 39 34	22, 55, 182, 409	0
2	AB	119/119 (100%)	0.17	4 (3%) 49 44	68, 117, 172, 246	0
2	CB	119/119 (100%)	0.15	1 (0%) 87 83	54, 97, 141, 234	0
3	AD	271/271 (100%)	0.05	2 (0%) 89 85	23, 61, 104, 243	0
3	CD	271/271 (100%)	0.15	2 (0%) 89 85	7, 46, 92, 203	0
4	AE	204/204 (100%)	0.86	34 (16%) 2 2	20, 77, 134, 263	0
4	CE	204/204 (100%)	0.28	7 (3%) 49 44	13, 60, 116, 249	0
5	AF	202/202 (100%)	0.54	6 (2%) 54 49	27, 67, 131, 220	0
5	CF	202/202 (100%)	0.53	8 (3%) 42 37	9, 58, 130, 240	0
6	AG	181/181 (100%)	1.27	38 (20%) 1 1	75, 134, 205, 230	0
6	CG	181/181 (100%)	1.07	35 (19%) 2 2	53, 117, 201, 226	0
7	AH	159/159 (100%)	3.44	119 (74%) 0 0	88, 157, 258, 279	0
7	CH	159/159 (100%)	1.40	48 (30%) 1 1	39, 83, 142, 266	0
8	AI	145/145 (100%)	1.42	46 (31%) 1 1	46, 131, 204, 288	0
8	CI	145/145 (100%)	0.82	16 (11%) 7 7	37, 103, 167, 210	0
9	AJ	137/137 (100%)	0.58	9 (6%) 22 20	49, 80, 142, 172	0
9	CJ	137/137 (100%)	0.30	1 (0%) 89 85	28, 62, 113, 213	0
10	AK	122/122 (100%)	0.09	2 (1%) 74 69	30, 68, 109, 168	0
10	CK	122/122 (100%)	0.46	6 (4%) 33 29	21, 60, 105, 134	0
11	AL	146/146 (100%)	1.29	31 (21%) 1 1	19, 91, 177, 263	0
11	CL	146/146 (100%)	0.73	9 (6%) 24 22	17, 80, 168, 236	0
12	AM	134/134 (100%)	0.72	10 (7%) 17 17	41, 82, 166, 289	0
12	CM	134/134 (100%)	1.17	21 (15%) 3 3	26, 68, 159, 293	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2		OWAB(Å <sup>2</sup> )	Q<0.9
13	AN	117/117 (100%)	0.95	15 (12%)	5 5	19, 72, 139, 184	0
13	CN	117/117 (100%)	0.91	16 (13%)	4 4	16, 60, 111, 207	0
14	AO	98/98 (100%)	1.70	35 (35%)	0 1	63, 120, 186, 243	0
14	CO	98/98 (100%)	1.14	23 (23%)	1 1	63, 97, 157, 178	0
15	AP	137/137 (100%)	0.29	4 (2%)	55 50	41, 82, 160, 246	0
15	CP	137/137 (100%)	0.46	9 (6%)	22 20	30, 74, 184, 271	0
16	AQ	117/117 (100%)	0.63	5 (4%)	39 34	27, 69, 121, 162	0
16	CQ	117/117 (100%)	0.11	2 (1%)	73 67	21, 50, 108, 206	0
17	AR	101/101 (100%)	0.54	5 (4%)	32 29	30, 93, 142, 223	0
17	CR	101/101 (100%)	0.46	1 (0%)	84 79	27, 68, 117, 256	0
18	AS	112/112 (100%)	0.66	6 (5%)	29 27	32, 61, 131, 252	0
18	CS	112/112 (100%)	0.24	2 (1%)	71 65	20, 48, 103, 203	0
19	AT	92/92 (100%)	0.65	8 (8%)	13 12	38, 81, 117, 172	0
19	CT	92/92 (100%)	0.97	6 (6%)	22 21	23, 59, 107, 160	0
20	AU	100/100 (100%)	1.99	38 (38%)	0 1	49, 97, 234, 307	0
20	CU	100/100 (100%)	1.38	18 (18%)	2 2	32, 75, 247, 286	0
21	AV	187/187 (100%)	1.02	30 (16%)	3 3	61, 121, 189, 251	0
21	CV	187/187 (100%)	1.27	45 (24%)	1 1	36, 113, 183, 227	0
22	AW	76/76 (100%)	0.83	6 (7%)	15 14	40, 74, 133, 245	0
22	CW	76/76 (100%)	0.56	3 (3%)	43 38	36, 70, 138, 207	0
23	AX	88/88 (100%)	1.37	18 (20%)	1 1	28, 69, 147, 186	0
23	CX	88/88 (100%)	1.10	12 (13%)	4 4	25, 59, 136, 242	0
24	AY	62/62 (100%)	1.72	22 (35%)	0 1	49, 98, 175, 228	0
24	CY	62/62 (100%)	1.00	7 (11%)	7 7	20, 69, 165, 252	0
25	AZ	59/59 (100%)	0.93	6 (10%)	9 9	46, 80, 146, 204	0
25	CZ	59/59 (100%)	0.42	4 (6%)	20 19	30, 65, 134, 194	0
26	A1	30/30 (100%)	2.38	16 (53%)	0 0	129, 198, 264, 286	0
26	C1	30/30 (100%)	2.81	22 (73%)	0 0	151, 200, 258, 294	0
27	A2	52/52 (100%)	0.33	2 (3%)	44 39	27, 67, 144, 206	0
27	C2	52/52 (100%)	0.04	1 (1%)	70 64	12, 57, 127, 206	0
28	A3	44/44 (100%)	4.80	39 (88%)	0 0	99, 175, 241, 280	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
28	C3	44/44 (100%)	5.13	43 (97%) 0 0	96, 147, 206, 246	0
29	A4	48/48 (100%)	0.03	1 (2%) 67 61	26, 53, 102, 159	0
29	C4	48/48 (100%)	-0.01	1 (2%) 67 61	11, 31, 82, 126	0
30	A5	63/63 (100%)	0.62	4 (6%) 23 22	38, 66, 133, 226	0
30	C5	63/63 (100%)	0.44	3 (4%) 34 31	16, 62, 135, 154	0
31	BA	1504/1504 (100%)	0.44	38 (2%) 61 55	44, 89, 187, 268	0
31	DA	1504/1504 (100%)	0.68	87 (5%) 26 24	41, 108, 215, 364	0
32	BB	234/234 (100%)	1.00	36 (15%) 3 3	65, 131, 205, 270	0
32	DB	234/234 (100%)	1.04	52 (22%) 1 1	83, 146, 214, 282	0
33	BC	206/206 (100%)	0.26	7 (3%) 49 44	68, 121, 178, 219	0
33	DC	206/206 (100%)	0.60	18 (8%) 13 12	70, 145, 214, 286	0
34	BD	208/208 (100%)	0.65	12 (5%) 26 24	25, 79, 128, 152	0
34	DD	208/208 (100%)	1.34	57 (27%) 1 1	48, 115, 180, 240	0
35	BE	151/151 (100%)	0.41	6 (3%) 42 37	44, 84, 135, 189	0
35	DE	151/151 (100%)	0.55	6 (3%) 42 37	51, 101, 161, 233	0
36	BF	101/101 (100%)	0.64	9 (8%) 12 11	56, 99, 141, 177	0
36	DF	101/101 (100%)	0.26	3 (2%) 54 49	45, 87, 140, 166	0
37	BG	155/155 (100%)	0.81	23 (14%) 3 3	69, 123, 171, 218	0
37	DG	155/155 (100%)	0.71	22 (14%) 4 3	75, 128, 179, 227	0
38	BH	138/138 (100%)	0.65	7 (5%) 32 28	56, 86, 136, 184	0
38	DH	138/138 (100%)	0.81	18 (13%) 5 4	53, 101, 149, 194	0
39	BI	127/127 (100%)	1.67	42 (33%) 0 1	67, 148, 212, 269	0
39	DI	127/127 (100%)	1.37	39 (30%) 1 1	82, 157, 214, 266	0
40	BJ	98/98 (100%)	1.45	28 (28%) 1 1	77, 145, 238, 266	0
40	DJ	98/98 (100%)	2.60	45 (45%) 0 0	89, 177, 249, 277	0
41	BK	114/114 (100%)	1.28	26 (22%) 1 1	46, 91, 139, 207	0
41	DK	114/114 (100%)	1.26	25 (21%) 1 1	50, 84, 144, 196	0
42	BL	122/122 (100%)	1.16	26 (21%) 1 1	36, 78, 126, 184	0
42	DL	122/122 (100%)	1.32	33 (27%) 1 1	47, 98, 147, 236	0
43	BM	117/117 (100%)	1.34	33 (28%) 1 1	80, 146, 214, 228	0
43	DM	117/117 (100%)	1.30	27 (23%) 1 1	84, 150, 203, 267	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
44	BN	60/60 (100%)	1.29	16 (26%) 1 1	63, 115, 155, 210	0
44	DN	60/60 (100%)	0.99	9 (15%) 3 3	60, 130, 192, 250	0
45	BO	88/88 (100%)	0.80	6 (6%) 20 19	50, 87, 143, 170	0
45	DO	88/88 (100%)	0.54	4 (4%) 37 33	46, 82, 130, 168	0
46	BP	83/83 (100%)	0.73	4 (4%) 34 31	35, 76, 124, 161	0
46	DP	83/83 (100%)	0.97	10 (12%) 6 6	67, 110, 171, 274	0
47	BQ	99/99 (100%)	0.72	6 (6%) 25 23	43, 83, 127, 186	0
47	DQ	99/99 (100%)	1.10	17 (17%) 2 2	57, 93, 134, 200	0
48	BR	70/70 (100%)	1.18	14 (20%) 1 2	45, 95, 159, 191	0
48	DR	70/70 (100%)	0.74	5 (7%) 19 18	49, 92, 161, 188	0
49	BS	78/78 (100%)	1.96	34 (43%) 0 0	103, 145, 213, 241	0
49	DS	78/78 (100%)	2.02	33 (42%) 0 0	93, 158, 216, 254	0
50	BT	99/99 (100%)	1.29	25 (25%) 1 1	42, 95, 175, 218	0
50	DT	99/99 (100%)	1.42	29 (29%) 1 1	66, 122, 199, 230	0
51	BU	24/24 (100%)	1.75	9 (37%) 0 1	107, 163, 225, 270	0
51	DU	24/24 (100%)	1.52	7 (29%) 1 1	73, 151, 199, 257	0
52	BV	77/77 (100%)	0.42	8 (10%) 8 8	80, 135, 208, 244	0
52	BW	77/77 (100%)	0.90	13 (16%) 2 2	71, 190, 252, 308	0
52	DV	77/77 (100%)	0.32	3 (3%) 43 38	77, 122, 191, 213	0
52	DW	77/77 (100%)	0.53	7 (9%) 11 11	62, 173, 228, 302	0
53	BX	5/5 (100%)	1.79	2 (40%) 0 0	72, 73, 112, 168	0
53	DX	5/5 (100%)	1.26	1 (20%) 1 2	65, 67, 128, 182	0
All	All	20540/20634 (99%)	0.75	2174 (10%) 8 7	7, 85, 195, 409	0

The worst 5 of 2174 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	CA	275	G	21.5
11	AL	150	ALA	15.6
49	BS	81	ARG	14.8
28	A3	26	ASN	14.3
28	A3	14	THR	13.6

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

There are no non-standard protein/DNA/RNA residues in this entry.

## 6.3 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
55	MG	CA	3845	1/1	0.92	1.13	117.89	81,81,81,81	0
55	MG	AA	4197	1/1	0.83	0.67	97.43	33,33,33,33	0
55	MG	CA	2956	1/1	0.93	1.06	75.45	59,59,59,59	0
55	MG	CA	3914	1/1	0.82	1.63	75.14	73,73,73,73	0
55	MG	DA	1966	1/1	0.89	0.81	67.84	50,50,50,50	0
55	MG	CA	4136	1/1	0.56	0.72	57.88	67,67,67,67	0
55	MG	AA	4015	1/1	0.91	0.39	55.16	71,71,71,71	0
55	MG	AA	4032	1/1	0.61	0.80	55.15	82,82,82,82	0
55	MG	BA	1731	1/1	0.72	0.84	52.95	37,37,37,37	0
55	MG	DA	1607	1/1	0.62	0.96	48.44	74,74,74,74	0
55	MG	DA	1657	1/1	0.87	0.74	46.88	68,68,68,68	0
55	MG	CA	3016	1/1	0.89	0.72	46.59	48,48,48,48	0
55	MG	CA	3367	1/1	0.90	0.77	45.87	50,50,50,50	0
55	MG	AA	5159	1/1	0.71	1.02	45.31	69,69,69,69	0
55	MG	C4	101	1/1	0.93	1.17	42.67	63,63,63,63	0
55	MG	AA	4712	1/1	0.93	1.20	41.84	69,69,69,69	0
55	MG	CF	303	1/1	0.63	1.16	41.50	53,53,53,53	0
55	MG	CA	3653	1/1	0.75	0.91	39.96	82,82,82,82	0
55	MG	AA	4020	1/1	0.90	0.67	39.47	50,50,50,50	0
55	MG	CA	4046	1/1	0.67	0.59	39.24	59,59,59,59	0
55	MG	AA	4290	1/1	0.79	0.82	38.90	38,38,38,38	0
55	MG	AA	4490	1/1	0.92	1.05	38.42	64,64,64,64	0
55	MG	AA	4605	1/1	0.96	0.62	37.18	55,55,55,55	0
55	MG	CA	2965	1/1	0.97	0.76	36.51	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1973	1/1	0.69	0.73	36.38	49,49,49,49	0
55	MG	DA	1864	1/1	0.89	0.92	36.07	97,97,97,97	0
55	MG	AA	5117	1/1	0.76	1.10	35.35	77,77,77,77	0
55	MG	AA	4555	1/1	0.89	0.47	34.18	66,66,66,66	0
55	MG	CA	3138	1/1	0.89	0.56	33.35	19,19,19,19	0
55	MG	AA	4056	1/1	0.96	0.61	33.26	87,87,87,87	0
55	MG	AA	4579	1/1	0.93	0.79	33.05	45,45,45,45	0
55	MG	CA	3161	1/1	0.83	0.62	32.30	30,30,30,30	0
55	MG	CA	3577	1/1	0.81	0.65	31.98	69,69,69,69	0
55	MG	CA	4376	1/1	0.90	0.73	31.20	33,33,33,33	0
55	MG	AA	4265	1/1	0.81	0.65	31.13	51,51,51,51	0
55	MG	AA	5069	1/1	0.90	0.75	29.76	80,80,80,80	0
55	MG	AA	4266	1/1	0.82	0.60	28.89	43,43,43,43	0
55	MG	CA	2945	1/1	0.92	1.09	28.72	99,99,99,99	0
55	MG	AA	4176	1/1	0.92	0.60	28.23	21,21,21,21	0
55	MG	CA	3356	1/1	0.71	0.62	27.48	34,34,34,34	0
55	MG	CA	4374	1/1	0.97	0.75	26.39	41,41,41,41	0
55	MG	BA	1867	1/1	0.30	1.11	26.38	100,100,100,100	0
55	MG	CA	3736	1/1	0.90	1.01	26.07	99,99,99,99	0
55	MG	BA	1906	1/1	0.87	1.40	26.00	90,90,90,90	0
55	MG	CA	3109	1/1	0.92	0.52	25.28	11,11,11,11	0
55	MG	CA	4249	1/1	0.89	0.79	25.23	84,84,84,84	0
55	MG	AA	4421	1/1	0.76	0.44	25.01	47,47,47,47	0
55	MG	BA	2134	1/1	0.64	0.60	24.98	63,63,63,63	0
55	MG	AA	4422	1/1	0.94	0.49	24.82	50,50,50,50	0
55	MG	AA	4257	1/1	0.87	0.82	22.94	41,41,41,41	0
55	MG	AA	4268	1/1	0.89	0.29	22.85	25,25,25,25	0
55	MG	CA	3340	1/1	0.84	0.50	22.77	33,33,33,33	0
55	MG	AA	5137	1/1	0.60	0.58	22.52	64,64,64,64	0
55	MG	CX	101	1/1	0.77	0.99	22.22	71,71,71,71	0
55	MG	AA	4241	1/1	0.91	0.56	21.62	36,36,36,36	0
55	MG	CA	3832	1/1	0.90	0.88	21.44	52,52,52,52	0
55	MG	BA	1892	1/1	0.94	0.54	21.08	83,83,83,83	0
55	MG	CA	3629	1/1	0.93	0.38	20.99	106,106,106,106	0
55	MG	AA	5231	1/1	0.82	0.40	20.94	78,78,78,78	0
55	MG	AA	4223	1/1	0.91	0.63	20.94	39,39,39,39	0
55	MG	CA	3621	1/1	0.91	0.44	20.26	87,87,87,87	0
55	MG	AA	5176	1/1	0.92	0.43	20.17	61,61,61,61	0
55	MG	AA	5002	1/1	0.51	0.81	19.99	90,90,90,90	0
55	MG	CA	3574	1/1	0.94	1.08	19.68	91,91,91,91	0
55	MG	CA	3459	1/1	0.75	0.35	19.65	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3808	1/1	0.95	0.41	19.61	88,88,88,88	0
55	MG	CA	3345	1/1	0.91	0.49	19.52	48,48,48,48	0
55	MG	CA	4250	1/1	0.95	0.63	19.35	48,48,48,48	0
55	MG	CA	3909	1/1	0.93	0.46	19.29	62,62,62,62	0
55	MG	AA	4874	1/1	0.43	0.47	19.15	41,41,41,41	0
55	MG	CA	3315	1/1	0.92	0.64	19.08	29,29,29,29	0
55	MG	DA	1865	1/1	0.80	1.19	19.00	75,75,75,75	0
55	MG	AA	4545	1/1	0.88	0.59	18.93	65,65,65,65	0
55	MG	CA	3151	1/1	0.94	0.64	18.90	42,42,42,42	0
55	MG	CA	3751	1/1	0.95	0.63	18.76	50,50,50,50	0
55	MG	CA	3344	1/1	0.91	0.52	18.74	46,46,46,46	0
55	MG	CA	3686	1/1	0.75	0.61	18.73	83,83,83,83	0
55	MG	AA	4010	1/1	0.93	0.57	18.70	64,64,64,64	0
55	MG	AA	4260	1/1	0.93	0.49	18.43	35,35,35,35	0
55	MG	DA	2192	1/1	0.63	0.54	18.09	58,58,58,58	0
55	MG	AA	4464	1/1	0.90	0.70	18.03	69,69,69,69	0
55	MG	CA	3328	1/1	0.92	0.63	17.78	49,49,49,49	0
55	MG	CA	3734	1/1	0.87	0.59	17.73	43,43,43,43	0
55	MG	CA	3102	1/1	0.98	0.54	17.66	20,20,20,20	0
55	MG	CA	3437	1/1	0.84	0.59	17.54	62,62,62,62	0
55	MG	CA	3807	1/1	0.78	0.67	17.49	66,66,66,66	0
55	MG	BA	1684	1/1	0.97	0.53	17.49	29,29,29,29	0
55	MG	DA	2074	1/1	0.85	0.66	17.47	72,72,72,72	0
55	MG	CA	3439	1/1	0.73	0.38	17.31	36,36,36,36	0
55	MG	CA	3371	1/1	0.94	0.50	17.18	51,51,51,51	0
55	MG	AA	5186	1/1	0.89	0.64	16.90	69,69,69,69	0
55	MG	AA	4776	1/1	0.89	0.72	16.89	105,105,105,105	0
55	MG	CA	4342	1/1	0.92	0.54	16.77	60,60,60,60	0
55	MG	CA	3153	1/1	0.90	0.55	16.70	27,27,27,27	0
55	MG	DA	1689	1/1	0.88	0.66	16.56	118,118,118,118	0
55	MG	AA	4272	1/1	0.86	0.82	16.45	46,46,46,46	0
55	MG	AA	4505	1/1	0.81	0.89	16.40	126,126,126,126	0
55	MG	CA	3125	1/1	0.81	0.53	16.12	13,13,13,13	0
55	MG	CA	3350	1/1	0.81	0.39	16.02	47,47,47,47	0
55	MG	AA	4073	1/1	0.84	0.79	15.81	43,43,43,43	0
55	MG	AA	4710	1/1	0.96	0.44	15.80	67,67,67,67	0
55	MG	CA	4302	1/1	0.89	0.40	15.67	26,26,26,26	0
55	MG	AA	4270	1/1	0.85	0.47	15.66	45,45,45,45	0
55	MG	DA	2121	1/1	0.58	1.03	15.58	96,96,96,96	0
55	MG	CA	3781	1/1	0.90	0.53	15.21	53,53,53,53	0
55	MG	C4	102	1/1	0.95	0.77	15.10	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	2063	1/1	0.84	0.44	15.02	37,37,37,37	0
55	MG	AA	5245	1/1	0.77	0.50	14.99	76,76,76,76	0
55	MG	BA	1685	1/1	0.96	0.60	14.99	34,34,34,34	0
55	MG	AA	4264	1/1	0.95	0.43	14.96	32,32,32,32	0
55	MG	AA	4016	1/1	0.98	0.35	14.89	99,99,99,99	0
55	MG	CA	2943	1/1	0.80	0.33	14.83	69,69,69,69	0
55	MG	BA	1604	1/1	0.54	0.52	14.82	96,96,96,96	0
55	MG	CA	3963	1/1	0.97	0.33	14.72	24,24,24,24	0
55	MG	CA	3302	1/1	0.99	0.43	14.66	50,50,50,50	0
55	MG	DA	2166	1/1	0.80	0.40	14.65	69,69,69,69	0
55	MG	AA	5170	1/1	0.92	0.42	14.54	71,71,71,71	0
55	MG	CF	304	1/1	0.80	0.55	14.54	55,55,55,55	0
55	MG	CA	3223	1/1	0.89	0.42	14.54	51,51,51,51	0
55	MG	AA	4631	1/1	0.95	0.65	14.53	104,104,104,104	0
55	MG	CA	3602	1/1	0.91	0.38	14.30	35,35,35,35	0
55	MG	CA	3522	1/1	0.66	0.45	14.28	56,56,56,56	0
55	MG	CE	305	1/1	0.90	1.18	14.21	44,44,44,44	0
55	MG	AF	301	1/1	0.76	0.68	14.06	59,59,59,59	0
55	MG	AA	4208	1/1	0.90	0.51	14.04	34,34,34,34	0
55	MG	CA	3193	1/1	0.92	0.62	14.04	38,38,38,38	0
55	MG	AA	4530	1/1	0.98	0.52	13.97	64,64,64,64	0
55	MG	CA	3119	1/1	0.99	0.58	13.90	8,8,8,8	0
55	MG	CA	3106	1/1	0.97	0.37	13.68	11,11,11,11	0
55	MG	AA	4398	1/1	0.88	0.51	13.56	52,52,52,52	0
55	MG	CA	3028	1/1	0.98	1.26	13.54	56,56,56,56	0
55	MG	CA	3669	1/1	0.83	0.63	13.51	44,44,44,44	0
55	MG	CA	3147	1/1	0.96	0.47	13.46	12,12,12,12	0
55	MG	AA	4567	1/1	0.71	0.69	13.38	83,83,83,83	0
55	MG	CA	3505	1/1	0.89	0.46	13.36	42,42,42,42	0
55	MG	AA	4204	1/1	0.95	0.58	13.31	17,17,17,17	0
55	MG	AA	4214	1/1	0.84	0.38	13.25	33,33,33,33	0
55	MG	AA	4859	1/1	0.90	0.35	13.08	48,48,48,48	0
55	MG	AA	4868	1/1	0.81	0.80	13.04	62,62,62,62	0
55	MG	CA	3844	1/1	0.60	0.46	13.00	54,54,54,54	0
55	MG	AA	4177	1/1	0.94	0.54	12.91	9,9,9,9	0
55	MG	CA	2901	1/1	0.99	0.46	12.82	20,20,20,20	0
55	MG	BA	1844	1/1	0.93	0.64	12.81	74,74,74,74	0
55	MG	A4	102	1/1	0.87	0.63	12.74	101,101,101,101	0
55	MG	CA	3772	1/1	0.96	0.77	12.68	58,58,58,58	0
55	MG	CA	3107	1/1	0.97	0.63	12.68	20,20,20,20	0
55	MG	AA	4415	1/1	0.95	0.35	12.62	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5111	1/1	0.80	0.55	12.55	53,53,53,53	0
55	MG	CA	4353	1/1	0.86	0.68	12.40	53,53,53,53	0
55	MG	AA	4667	1/1	0.77	0.86	12.38	120,120,120,120	0
55	MG	CA	3118	1/1	0.96	0.48	12.38	14,14,14,14	0
55	MG	CA	4097	1/1	0.96	0.37	12.27	57,57,57,57	0
55	MG	AA	4190	1/1	0.97	0.47	12.24	23,23,23,23	0
55	MG	AA	4351	1/1	0.90	0.46	12.22	63,63,63,63	0
55	MG	CA	3802	1/1	0.86	0.55	12.22	70,70,70,70	0
55	MG	AA	4453	1/1	0.58	0.52	12.08	48,48,48,48	0
55	MG	CA	3917	1/1	0.66	0.51	12.03	70,70,70,70	0
55	MG	AB	213	1/1	0.90	0.45	11.98	76,76,76,76	0
55	MG	AA	4172	1/1	0.95	0.47	11.94	14,14,14,14	0
55	MG	AA	4293	1/1	0.78	0.65	11.88	43,43,43,43	0
55	MG	CA	3075	1/1	0.77	1.24	11.83	68,68,68,68	0
55	MG	AA	4127	1/1	0.85	0.56	11.79	72,72,72,72	0
55	MG	CA	3829	1/1	0.91	0.42	11.45	68,68,68,68	0
55	MG	AA	4739	1/1	0.89	0.35	11.43	65,65,65,65	0
55	MG	BA	1650	1/1	0.90	0.51	11.37	80,80,80,80	0
55	MG	CA	4182	1/1	0.72	0.25	11.23	47,47,47,47	0
55	MG	DA	2156	1/1	0.81	1.23	11.19	97,97,97,97	0
55	MG	CA	3044	1/1	0.94	0.49	11.12	43,43,43,43	0
55	MG	AA	4042	1/1	0.93	0.53	11.11	91,91,91,91	0
55	MG	BA	1762	1/1	0.84	0.61	11.08	71,71,71,71	0
55	MG	BA	1808	1/1	0.70	0.46	11.07	67,67,67,67	0
55	MG	CA	3308	1/1	0.93	0.33	10.99	25,25,25,25	0
55	MG	CA	4235	1/1	0.74	0.53	10.97	51,51,51,51	0
55	MG	CA	4305	1/1	0.92	0.53	10.95	46,46,46,46	0
55	MG	CA	3900	1/1	0.94	0.60	10.93	39,39,39,39	0
55	MG	CA	3666	1/1	0.94	0.66	10.92	54,54,54,54	0
55	MG	DA	1992	1/1	0.65	0.40	10.89	53,53,53,53	0
55	MG	AA	4185	1/1	0.86	0.35	10.77	16,16,16,16	0
55	MG	CA	2998	1/1	0.77	0.38	10.75	62,62,62,62	0
55	MG	AA	4666	1/1	0.88	0.73	10.53	48,48,48,48	0
55	MG	CA	4118	1/1	0.92	0.56	10.51	58,58,58,58	0
55	MG	AA	4502	1/1	0.53	0.48	10.47	53,53,53,53	0
55	MG	CQ	202	1/1	0.92	0.59	10.44	58,58,58,58	0
55	MG	AA	4284	1/1	0.88	0.39	10.40	28,28,28,28	0
55	MG	CA	3688	1/1	0.88	0.41	10.26	70,70,70,70	0
55	MG	CQ	203	1/1	0.96	0.45	10.20	80,80,80,80	0
55	MG	CA	3124	1/1	0.95	0.29	10.19	17,17,17,17	0
55	MG	CA	3007	1/1	0.93	0.52	10.17	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4018	1/1	0.92	0.69	9.95	56,56,56,56	0
55	MG	AA	4155	1/1	0.88	0.54	9.77	75,75,75,75	0
55	MG	CA	4066	1/1	0.90	0.60	9.72	54,54,54,54	0
55	MG	AA	4231	1/1	0.90	0.39	9.70	48,48,48,48	0
55	MG	A5	102	1/1	0.85	0.59	9.70	62,62,62,62	0
55	MG	CA	3122	1/1	0.94	0.42	9.62	11,11,11,11	0
55	MG	CA	3250	1/1	0.89	0.32	9.62	32,32,32,32	0
55	MG	DA	1826	1/1	0.72	0.54	9.54	73,73,73,73	0
55	MG	CA	3960	1/1	0.97	0.44	9.51	6,6,6,6	0
55	MG	BA	1761	1/1	0.71	0.45	9.51	61,61,61,61	0
55	MG	CN	203	1/1	0.94	0.52	9.51	65,65,65,65	0
55	MG	BE	203	1/1	0.90	0.59	9.45	91,91,91,91	0
55	MG	BA	1779	1/1	0.80	0.41	9.45	54,54,54,54	0
55	MG	BA	2062	1/1	0.79	0.39	9.33	79,79,79,79	0
55	MG	AA	4246	1/1	0.87	0.47	9.30	43,43,43,43	0
55	MG	CA	4123	1/1	0.85	0.40	9.28	43,43,43,43	0
55	MG	BA	1788	1/1	0.79	0.69	9.24	58,58,58,58	0
55	MG	CW	101	1/1	0.94	0.62	9.18	107,107,107,107	0
55	MG	CA	3238	1/1	0.90	0.41	9.16	29,29,29,29	0
55	MG	DA	2115	1/1	0.91	1.29	9.13	92,92,92,92	0
55	MG	AA	5079	1/1	0.93	0.37	9.08	53,53,53,53	0
55	MG	CN	201	1/1	0.91	0.54	9.08	57,57,57,57	0
55	MG	CA	3416	1/1	0.83	0.37	9.04	54,54,54,54	0
55	MG	BA	1851	1/1	0.98	0.42	8.96	66,66,66,66	0
55	MG	CA	3202	1/1	0.96	0.31	8.95	28,28,28,28	0
55	MG	CA	2918	1/1	0.76	0.34	8.84	89,89,89,89	0
55	MG	CS	201	1/1	0.96	0.46	8.82	44,44,44,44	0
55	MG	CA	3290	1/1	0.92	0.42	8.80	28,28,28,28	0
55	MG	CA	3360	1/1	0.95	0.42	8.79	53,53,53,53	0
55	MG	AL	202	1/1	0.91	0.73	8.76	42,42,42,42	0
55	MG	CA	3313	1/1	0.92	0.26	8.75	49,49,49,49	0
55	MG	CA	3167	1/1	0.94	0.46	8.72	23,23,23,23	0
55	MG	CA	3321	1/1	0.73	0.55	8.69	45,45,45,45	0
55	MG	AA	5266	1/1	0.88	0.32	8.66	64,64,64,64	0
55	MG	CR	202	1/1	0.76	0.54	8.65	66,66,66,66	0
55	MG	A4	105	1/1	0.83	0.74	8.59	94,94,94,94	0
55	MG	BA	1904	1/1	0.44	0.73	8.57	79,79,79,79	0
55	MG	CA	4221	1/1	0.71	0.45	8.53	69,69,69,69	0
55	MG	CA	3181	1/1	0.88	0.34	8.49	39,39,39,39	0
55	MG	DA	1655	1/1	0.90	0.76	8.46	85,85,85,85	0
55	MG	DA	1704	1/1	0.94	0.35	8.39	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
55	MG	DA	1891	1/1	0.89	0.62	8.35	116,116,116,116	0
55	MG	AA	4561	1/1	0.80	0.72	8.34	67,67,67,67	0
55	MG	BA	1676	1/1	0.84	0.61	8.33	90,90,90,90	0
55	MG	CA	3704	1/1	0.77	0.29	8.33	61,61,61,61	0
55	MG	CA	4116	1/1	0.70	0.35	8.31	56,56,56,56	0
55	MG	AA	4461	1/1	0.81	0.41	8.31	53,53,53,53	0
55	MG	CA	3172	1/1	0.91	0.39	8.30	30,30,30,30	0
55	MG	AA	4333	1/1	0.92	0.33	8.29	53,53,53,53	0
55	MG	BT	201	1/1	0.89	0.92	8.27	67,67,67,67	0
55	MG	DA	1954	1/1	0.96	0.51	8.22	53,53,53,53	0
55	MG	CA	3700	1/1	0.95	0.52	8.18	79,79,79,79	0
55	MG	DH	202	1/1	0.79	1.14	8.10	87,87,87,87	0
55	MG	CA	3600	1/1	0.90	0.84	8.08	54,54,54,54	0
55	MG	AA	5038	1/1	0.80	0.92	8.04	52,52,52,52	0
55	MG	AA	4854	1/1	0.85	0.46	7.98	43,43,43,43	0
55	MG	CA	3418	1/1	0.87	0.40	7.97	49,49,49,49	0
55	MG	CA	3098	1/1	0.91	0.40	7.96	98,98,98,98	0
55	MG	CA	4156	1/1	0.85	0.59	7.91	68,68,68,68	0
55	MG	AA	4569	1/1	0.91	0.34	7.89	64,64,64,64	0
55	MG	CA	3619	1/1	0.92	0.33	7.87	56,56,56,56	0
55	MG	CA	3209	1/1	0.72	0.40	7.85	38,38,38,38	0
55	MG	CA	3120	1/1	0.98	0.37	7.83	11,11,11,11	0
55	MG	BA	1736	1/1	0.82	0.31	7.81	36,36,36,36	0
55	MG	CA	3819	1/1	0.95	0.23	7.75	68,68,68,68	0
55	MG	BA	1635	1/1	0.92	0.41	7.71	63,63,63,63	0
55	MG	CW	103	1/1	0.66	0.55	7.67	47,47,47,47	0
55	MG	DA	1717	1/1	0.71	0.65	7.65	91,91,91,91	0
55	MG	CA	3217	1/1	0.85	0.26	7.63	24,24,24,24	0
55	MG	AA	4574	1/1	0.88	0.80	7.62	71,71,71,71	0
55	MG	CA	3571	1/1	0.92	0.89	7.62	88,88,88,88	0
55	MG	CA	3573	1/1	0.90	0.76	7.61	51,51,51,51	0
55	MG	BV	123	1/1	0.83	0.46	7.59	56,56,56,56	0
55	MG	BA	1605	1/1	0.86	0.51	7.57	75,75,75,75	0
55	MG	CD	303	1/1	0.95	0.54	7.57	28,28,28,28	0
55	MG	CA	3679	1/1	0.96	0.39	7.52	90,90,90,90	0
55	MG	AF	304	1/1	0.97	0.55	7.46	73,73,73,73	0
55	MG	AA	4360	1/1	0.95	0.32	7.46	48,48,48,48	0
55	MG	DA	1880	1/1	0.93	0.52	7.42	104,104,104,104	0
55	MG	CA	3326	1/1	0.61	0.47	7.41	61,61,61,61	0
55	MG	AA	4356	1/1	0.93	0.39	7.36	33,33,33,33	0
55	MG	CA	3233	1/1	0.92	0.38	7.34	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3759	1/1	0.88	0.46	7.29	57,57,57,57	0
55	MG	BA	2084	1/1	0.90	0.42	7.26	71,71,71,71	0
55	MG	CQ	204	1/1	0.87	0.54	7.19	75,75,75,75	0
55	MG	DA	1637	1/1	0.91	0.44	7.14	71,71,71,71	0
55	MG	AE	303	1/1	0.80	0.59	7.09	53,53,53,53	0
55	MG	AA	4242	1/1	0.89	0.45	7.09	32,32,32,32	0
55	MG	AA	4238	1/1	0.85	0.30	7.05	42,42,42,42	0
55	MG	CB	221	1/1	0.95	0.29	6.98	53,53,53,53	0
55	MG	AA	4294	1/1	0.94	0.23	6.95	50,50,50,50	0
55	MG	CA	4284	1/1	0.73	0.38	6.95	63,63,63,63	0
55	MG	AA	4585	1/1	0.99	0.42	6.90	72,72,72,72	0
55	MG	AA	4276	1/1	0.95	0.40	6.87	39,39,39,39	0
55	MG	BE	202	1/1	0.86	0.95	6.83	65,65,65,65	0
55	MG	AA	4175	1/1	0.96	0.40	6.83	14,14,14,14	0
55	MG	BA	1985	1/1	0.90	0.34	6.76	44,44,44,44	0
55	MG	CA	3427	1/1	0.90	0.41	6.75	31,31,31,31	0
55	MG	DA	1649	1/1	0.54	0.76	6.71	118,118,118,118	0
55	MG	CA	2903	1/1	0.61	0.45	6.67	80,80,80,80	0
55	MG	CA	3368	1/1	0.84	0.32	6.64	41,41,41,41	0
55	MG	CA	4244	1/1	0.91	0.28	6.61	34,34,34,34	0
55	MG	DA	1710	1/1	0.95	0.37	6.60	40,40,40,40	0
55	MG	CA	3006	1/1	0.91	0.64	6.60	50,50,50,50	0
55	MG	AA	4178	1/1	0.97	0.39	6.60	9,9,9,9	0
55	MG	AA	4852	1/1	0.85	0.41	6.58	28,28,28,28	0
55	MG	AD	302	1/1	0.97	0.38	6.56	79,79,79,79	0
55	MG	DH	203	1/1	0.87	0.92	6.50	102,102,102,102	0
55	MG	CA	3182	1/1	0.96	0.33	6.45	33,33,33,33	0
55	MG	CA	3625	1/1	0.78	0.30	6.45	59,59,59,59	0
55	MG	CA	3809	1/1	0.75	0.37	6.43	62,62,62,62	0
55	MG	CA	4003	1/1	0.87	0.34	6.43	56,56,56,56	0
55	MG	CA	3199	1/1	0.92	0.32	6.40	41,41,41,41	0
55	MG	CA	3184	1/1	0.96	0.27	6.34	13,13,13,13	0
55	MG	AB	201	1/1	0.88	1.20	6.32	87,87,87,87	0
55	MG	BA	1932	1/1	0.84	0.77	6.32	99,99,99,99	0
55	MG	CF	306	1/1	0.89	0.30	6.30	26,26,26,26	0
55	MG	CA	2926	1/1	0.69	0.71	6.29	56,56,56,56	0
55	MG	BA	1615	1/1	0.33	0.57	6.27	134,134,134,134	0
55	MG	AA	4189	1/1	0.87	0.38	6.25	27,27,27,27	0
55	MG	CA	3769	1/1	0.90	0.34	6.13	50,50,50,50	0
55	MG	CA	4032	1/1	0.95	0.38	6.13	49,49,49,49	0
55	MG	CA	3785	1/1	0.99	0.32	6.12	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AN	202	1/1	0.95	0.62	6.01	48,48,48,48	0
55	MG	AA	4111	1/1	0.89	0.90	5.94	81,81,81,81	0
55	MG	BA	1815	1/1	0.81	0.41	5.94	47,47,47,47	0
55	MG	CA	3499	1/1	0.39	0.55	5.89	71,71,71,71	0
55	MG	BC	301	1/1	0.72	0.71	5.65	64,64,64,64	0
55	MG	CD	302	1/1	0.96	0.41	5.65	15,15,15,15	0
55	MG	AA	4229	1/1	0.82	0.45	5.61	34,34,34,34	0
55	MG	AA	5126	1/1	0.93	0.46	5.59	58,58,58,58	0
55	MG	AA	4234	1/1	0.95	0.30	5.55	19,19,19,19	0
55	MG	DA	2142	1/1	0.92	0.34	5.54	45,45,45,45	0
55	MG	CA	3129	1/1	0.94	0.49	5.50	14,14,14,14	0
55	MG	DA	2076	1/1	0.79	0.34	5.48	62,62,62,62	0
55	MG	AA	4306	1/1	0.93	0.31	5.45	42,42,42,42	0
55	MG	AA	4358	1/1	0.84	0.30	5.44	46,46,46,46	0
55	MG	AA	4462	1/1	0.73	0.40	5.37	48,48,48,48	0
55	MG	AA	4690	1/1	0.94	0.30	5.35	57,57,57,57	0
55	MG	BA	1861	1/1	0.77	0.38	5.29	67,67,67,67	0
55	MG	AA	4597	1/1	0.82	0.41	5.26	54,54,54,54	0
55	MG	DA	2120	1/1	0.81	0.43	5.25	95,95,95,95	0
55	MG	CA	3633	1/1	0.88	0.53	5.24	63,63,63,63	0
55	MG	CA	4135	1/1	0.95	0.51	5.24	50,50,50,50	0
55	MG	AA	4066	1/1	0.92	0.47	5.23	65,65,65,65	0
55	MG	AA	4663	1/1	0.88	0.32	5.18	49,49,49,49	0
55	MG	CA	3096	1/1	0.94	0.31	5.15	57,57,57,57	0
55	MG	AA	4580	1/1	0.93	0.45	5.12	90,90,90,90	0
55	MG	BA	1744	1/1	0.75	0.39	5.05	51,51,51,51	0
55	MG	BL	201	1/1	0.98	0.62	5.04	78,78,78,78	0
55	MG	AA	4188	1/1	0.92	0.31	5.04	44,44,44,44	0
55	MG	BA	1783	1/1	0.89	0.51	5.04	82,82,82,82	0
55	MG	AA	4889	1/1	0.87	0.27	4.99	41,41,41,41	0
55	MG	CA	3624	1/1	0.94	0.38	4.95	33,33,33,33	0
55	MG	AA	4251	1/1	0.99	0.26	4.94	27,27,27,27	0
55	MG	CA	3436	1/1	0.79	0.42	4.92	46,46,46,46	0
55	MG	BA	2098	1/1	0.65	0.60	4.90	82,82,82,82	0
55	MG	DA	1699	1/1	0.91	0.33	4.87	27,27,27,27	0
55	MG	AA	4018	1/1	0.85	0.31	4.85	125,125,125,125	0
55	MG	AA	5283	1/1	0.92	0.91	4.78	87,87,87,87	0
55	MG	AA	4340	1/1	0.94	0.30	4.75	37,37,37,37	0
55	MG	CA	3287	1/1	0.83	0.34	4.72	36,36,36,36	0
55	MG	DA	1866	1/1	0.62	0.38	4.71	74,74,74,74	0
55	MG	CA	4001	1/1	0.94	0.43	4.70	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4149	1/1	0.96	0.28	4.67	104,104,104,104	0
55	MG	CA	3521	1/1	0.79	0.30	4.62	42,42,42,42	0
55	MG	DA	1903	1/1	0.82	0.23	4.55	79,79,79,79	0
55	MG	BE	201	1/1	0.91	0.41	4.54	86,86,86,86	0
55	MG	AA	4704	1/1	0.92	0.55	4.52	78,78,78,78	0
55	MG	CA	3489	1/1	0.76	0.64	4.52	69,69,69,69	0
55	MG	AA	4065	1/1	0.74	0.40	4.51	100,100,100,100	0
55	MG	DA	1702	1/1	0.92	0.31	4.50	26,26,26,26	0
55	MG	AA	4170	1/1	0.96	0.42	4.45	22,22,22,22	0
55	MG	DA	1753	1/1	0.74	0.33	4.41	52,52,52,52	0
55	MG	CA	3332	1/1	0.95	0.30	4.40	45,45,45,45	0
55	MG	BA	2009	1/1	0.79	0.45	4.37	94,94,94,94	0
55	MG	DA	1800	1/1	0.73	0.34	4.36	63,63,63,63	0
55	MG	AA	4146	1/1	0.94	0.25	4.28	73,73,73,73	0
55	MG	CA	3306	1/1	0.83	0.33	4.26	25,25,25,25	0
55	MG	CA	3756	1/1	0.78	0.27	4.24	90,90,90,90	0
55	MG	AA	5129	1/1	0.89	0.31	4.19	66,66,66,66	0
55	MG	CA	3323	1/1	0.91	0.54	4.17	43,43,43,43	0
55	MG	DA	1727	1/1	0.90	0.27	4.16	33,33,33,33	0
55	MG	CF	301	1/1	0.90	0.46	4.16	55,55,55,55	0
55	MG	CA	3465	1/1	0.97	0.33	4.14	48,48,48,48	0
55	MG	DA	2024	1/1	0.95	0.47	4.10	63,63,63,63	0
55	MG	CA	4370	1/1	0.92	0.27	4.10	61,61,61,61	0
55	MG	CA	3092	1/1	0.93	0.47	4.06	62,62,62,62	0
55	MG	DE	201	1/1	0.84	0.39	4.05	137,137,137,137	0
55	MG	AA	4460	1/1	0.89	0.28	4.00	62,62,62,62	0
55	MG	AA	4705	1/1	0.93	0.34	3.99	109,109,109,109	0
55	MG	AA	5175	1/1	0.91	0.53	3.96	62,62,62,62	0
55	MG	CA	3026	1/1	0.93	0.67	3.95	59,59,59,59	0
55	MG	BA	1695	1/1	0.90	0.35	3.95	19,19,19,19	0
55	MG	CA	4197	1/1	0.97	0.43	3.94	64,64,64,64	0
55	MG	DA	1692	1/1	0.95	0.33	3.92	11,11,11,11	0
55	MG	AA	5012	1/1	0.88	0.49	3.88	59,59,59,59	0
55	MG	AA	4990	1/1	0.68	0.39	3.83	60,60,60,60	0
55	MG	DA	1749	1/1	0.86	0.24	3.77	39,39,39,39	0
55	MG	CA	3685	1/1	0.96	0.34	3.77	86,86,86,86	0
55	MG	DA	2170	1/1	0.87	0.55	3.75	107,107,107,107	0
55	MG	BA	2060	1/1	0.46	0.78	3.74	73,73,73,73	0
55	MG	AA	4649	1/1	0.96	0.55	3.69	58,58,58,58	0
55	MG	CK	201	1/1	0.97	0.59	3.66	105,105,105,105	0
55	MG	CA	3609	1/1	0.90	0.30	3.61	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4145	1/1	0.90	0.40	3.60	147,147,147,147	0
55	MG	AA	4145	1/1	0.86	0.37	3.58	63,63,63,63	0
55	MG	AA	4295	1/1	0.52	0.27	3.54	61,61,61,61	0
55	MG	AX	103	1/1	0.94	0.78	3.47	62,62,62,62	0
55	MG	CA	3588	1/1	0.94	0.29	3.47	57,57,57,57	0
55	MG	CB	228	1/1	0.68	0.24	3.47	67,67,67,67	0
55	MG	CA	3770	1/1	0.76	0.28	3.46	62,62,62,62	0
55	MG	BQ	201	1/1	0.94	0.40	3.45	90,90,90,90	0
55	MG	CA	3216	1/1	0.91	0.27	3.43	18,18,18,18	0
55	MG	DA	1881	1/1	0.92	0.41	3.43	92,92,92,92	0
55	MG	CA	2940	1/1	0.94	0.56	3.43	78,78,78,78	0
55	MG	CA	3896	1/1	0.91	0.46	3.41	120,120,120,120	0
55	MG	AA	4726	1/1	0.95	0.54	3.38	59,59,59,59	0
55	MG	BA	1697	1/1	0.90	0.29	3.38	40,40,40,40	0
55	MG	CA	3391	1/1	0.85	0.41	3.32	72,72,72,72	0
55	MG	DA	1759	1/1	0.93	0.32	3.30	71,71,71,71	0
55	MG	CA	3087	1/1	0.95	0.35	3.29	78,78,78,78	0
55	MG	AA	4647	1/1	0.96	0.49	3.29	59,59,59,59	0
55	MG	CA	4266	1/1	0.78	0.58	3.27	63,63,63,63	0
55	MG	CA	3724	1/1	0.96	0.26	3.24	60,60,60,60	0
55	MG	CA	3324	1/1	0.73	0.34	3.22	53,53,53,53	0
55	MG	AA	4563	1/1	0.88	0.27	3.22	54,54,54,54	0
55	MG	CJ	201	1/1	0.61	0.38	3.20	71,71,71,71	0
55	MG	BA	1701	1/1	0.88	0.29	3.18	36,36,36,36	0
55	MG	AA	5097	1/1	0.83	0.36	3.17	37,37,37,37	0
55	MG	AA	4441	1/1	0.87	0.30	3.12	43,43,43,43	0
55	MG	AY	101	1/1	0.92	0.52	3.11	72,72,72,72	0
55	MG	CA	3549	1/1	0.87	0.28	3.11	36,36,36,36	0
55	MG	DA	1898	1/1	0.20	0.65	3.10	96,96,96,96	0
55	MG	AA	4598	1/1	0.91	0.28	3.10	104,104,104,104	0
55	MG	AA	4908	1/1	0.96	0.60	3.10	97,97,97,97	0
55	MG	CA	3656	1/1	0.80	0.55	3.09	44,44,44,44	0
55	MG	CA	3796	1/1	0.86	0.43	3.09	54,54,54,54	0
55	MG	CA	3032	1/1	0.95	0.29	3.03	46,46,46,46	0
55	MG	DA	1836	1/1	0.92	0.46	3.00	80,80,80,80	0
55	MG	CB	254	1/1	0.84	0.19	2.99	71,71,71,71	0
55	MG	CA	3990	1/1	0.86	0.48	2.99	39,39,39,39	0
55	MG	AA	5026	1/1	0.94	0.30	2.97	40,40,40,40	0
55	MG	AA	4652	1/1	0.98	0.29	2.96	74,74,74,74	0
55	MG	AA	5277	1/1	0.94	0.23	2.94	72,72,72,72	0
55	MG	AA	5135	1/1	0.95	0.34	2.92	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4194	1/1	0.96	0.26	2.92	26,26,26,26	0
55	MG	CA	3393	1/1	0.99	0.24	2.88	36,36,36,36	0
55	MG	CA	3155	1/1	0.97	0.26	2.86	18,18,18,18	0
55	MG	CA	3039	1/1	0.65	0.23	2.85	81,81,81,81	0
55	MG	AA	4449	1/1	0.85	0.26	2.84	58,58,58,58	0
55	MG	CA	3711	1/1	0.92	0.31	2.79	67,67,67,67	0
55	MG	AA	4512	1/1	0.76	0.17	2.78	55,55,55,55	0
55	MG	CA	3020	1/1	0.96	0.34	2.75	139,139,139,139	0
55	MG	BA	1995	1/1	0.55	0.29	2.71	61,61,61,61	0
55	MG	AA	4350	1/1	0.65	0.28	2.69	43,43,43,43	0
55	MG	AA	4196	1/1	0.99	0.34	2.66	24,24,24,24	0
55	MG	BA	1838	1/1	0.87	0.27	2.65	90,90,90,90	0
55	MG	AA	4179	1/1	0.96	0.29	2.64	14,14,14,14	0
55	MG	BA	1900	1/1	0.70	0.41	2.63	98,98,98,98	0
55	MG	AA	4245	1/1	0.93	0.29	2.62	26,26,26,26	0
55	MG	AA	4426	1/1	0.78	0.22	2.61	64,64,64,64	0
55	MG	DA	1606	1/1	0.95	0.45	2.60	83,83,83,83	0
55	MG	AA	4720	1/1	0.87	0.33	2.60	92,92,92,92	0
55	MG	AA	4787	1/1	0.90	0.25	2.57	77,77,77,77	0
55	MG	CA	3631	1/1	0.96	0.26	2.54	42,42,42,42	0
55	MG	CA	3502	1/1	0.94	0.28	2.54	75,75,75,75	0
55	MG	C4	104	1/1	0.87	0.29	2.52	56,56,56,56	0
55	MG	CA	3618	1/1	0.92	0.25	2.51	56,56,56,56	0
55	MG	CL	203	1/1	0.86	0.41	2.40	49,49,49,49	0
55	MG	CA	3534	1/1	0.93	0.39	2.36	47,47,47,47	0
55	MG	AA	4378	1/1	0.70	0.22	2.36	54,54,54,54	0
55	MG	AA	4855	1/1	0.68	0.25	2.34	36,36,36,36	0
55	MG	DA	1612	1/1	0.65	0.41	2.34	141,141,141,141	0
55	MG	CL	201	1/1	0.74	0.39	2.34	76,76,76,76	0
55	MG	CA	3341	1/1	0.90	0.28	2.32	30,30,30,30	0
55	MG	CL	206	1/1	0.94	0.43	2.30	55,55,55,55	0
55	MG	AA	4405	1/1	0.94	0.53	2.29	24,24,24,24	0
55	MG	CA	4290	1/1	0.82	0.24	2.27	68,68,68,68	0
55	MG	CA	2959	1/1	0.84	0.25	2.26	60,60,60,60	0
55	MG	CA	3839	1/1	0.86	0.23	2.26	27,27,27,27	0
55	MG	AA	4996	1/1	0.92	0.32	2.25	65,65,65,65	0
55	MG	CA	4251	1/1	0.90	0.31	2.23	56,56,56,56	0
55	MG	AS	204	1/1	0.94	0.32	2.23	43,43,43,43	0
55	MG	AA	4573	1/1	0.70	0.25	2.21	59,59,59,59	0
54	BLS	CA	4405	30/30	0.93	0.43	2.20	53,53,54,54	0
55	MG	AA	4029	1/1	0.92	0.30	2.18	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5008	1/1	0.82	0.40	2.16	71,71,71,71	0
55	MG	CA	3699	1/1	0.85	0.25	2.15	75,75,75,75	0
55	MG	AA	4248	1/1	0.88	0.43	2.13	39,39,39,39	0
55	MG	CA	3379	1/1	0.96	0.32	2.12	37,37,37,37	0
55	MG	AA	5226	1/1	0.72	0.40	2.11	78,78,78,78	0
55	MG	AA	4487	1/1	0.86	0.38	2.10	43,43,43,43	0
55	MG	CE	303	1/1	0.95	0.33	2.09	31,31,31,31	0
55	MG	CA	4240	1/1	0.88	0.27	2.09	44,44,44,44	0
55	MG	DA	1712	1/1	0.86	0.34	2.09	48,48,48,48	0
55	MG	AA	4171	1/1	0.97	0.37	2.06	21,21,21,21	0
55	MG	DA	1633	1/1	0.96	0.32	2.05	94,94,94,94	0
55	MG	CA	2995	1/1	0.91	0.56	2.04	68,68,68,68	0
55	MG	AA	5019	1/1	0.89	0.33	2.03	67,67,67,67	0
55	MG	AA	4054	1/1	0.75	0.47	2.03	79,79,79,79	0
55	MG	A4	104	1/1	0.92	0.28	2.01	99,99,99,99	0
55	MG	BI	201	1/1	0.88	0.34	2.00	96,96,96,96	0
55	MG	AA	4588	1/1	0.84	0.48	2.00	80,80,80,80	0
55	MG	BA	1889	1/1	0.89	0.28	2.00	98,98,98,98	0
55	MG	CA	4229	1/1	0.86	0.59	1.97	42,42,42,42	0
55	MG	DA	2145	1/1	0.84	0.20	1.96	84,84,84,84	0
55	MG	DA	1643	1/1	0.38	0.32	1.96	91,91,91,91	0
55	MG	CA	3134	1/1	0.92	0.27	1.95	14,14,14,14	0
55	MG	AA	4357	1/1	0.95	0.23	1.92	56,56,56,56	0
55	MG	AA	4279	1/1	0.81	0.29	1.92	37,37,37,37	0
55	MG	CA	4075	1/1	0.83	0.38	1.92	69,69,69,69	0
55	MG	CA	3247	1/1	0.83	0.26	1.92	23,23,23,23	0
55	MG	CA	3113	1/1	0.91	0.22	1.90	9,9,9,9	0
55	MG	CD	305	1/1	0.95	0.31	1.86	57,57,57,57	0
55	MG	CY	101	1/1	0.91	0.40	1.81	58,58,58,58	0
55	MG	CA	4085	1/1	0.89	0.25	1.81	54,54,54,54	0
55	MG	CA	3519	1/1	0.87	0.27	1.79	68,68,68,68	0
55	MG	CA	3292	1/1	0.92	0.27	1.77	35,35,35,35	0
55	MG	CA	3162	1/1	0.96	0.26	1.76	11,11,11,11	0
55	MG	CA	4223	1/1	0.76	0.37	1.76	30,30,30,30	0
55	MG	CA	3232	1/1	0.97	0.21	1.74	32,32,32,32	0
55	MG	AB	223	1/1	0.49	0.25	1.74	95,95,95,95	0
55	MG	CA	4322	1/1	0.88	0.29	1.73	66,66,66,66	0
55	MG	CA	3283	1/1	0.78	0.28	1.73	47,47,47,47	0
55	MG	AA	4600	1/1	0.96	0.49	1.72	64,64,64,64	0
55	MG	BA	1714	1/1	0.88	0.52	1.66	56,56,56,56	0
55	MG	AA	4021	1/1	0.91	0.22	1.66	60,60,60,60	0
55	MG	DA	1813	1/1	0.83	0.39	1.65	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4677	1/1	0.79	0.38	1.65	95,95,95,95	0
55	MG	BA	2115	1/1	0.71	0.29	1.65	56,56,56,56	0
55	MG	AA	4557	1/1	0.90	0.37	1.64	70,70,70,70	0
55	MG	CA	3291	1/1	0.75	0.22	1.62	31,31,31,31	0
55	MG	BA	1882	1/1	0.37	0.30	1.60	92,92,92,92	0
55	MG	CA	4152	1/1	0.90	0.22	1.60	77,77,77,77	0
55	MG	DA	1706	1/1	0.84	0.27	1.60	54,54,54,54	0
55	MG	CA	2919	1/1	0.76	0.78	1.59	62,62,62,62	0
55	MG	CA	4093	1/1	0.89	0.23	1.58	56,56,56,56	0
55	MG	AA	4275	1/1	0.90	0.23	1.52	41,41,41,41	0
55	MG	AA	4316	1/1	0.86	0.31	1.51	31,31,31,31	0
55	MG	AA	4851	1/1	0.97	0.28	1.50	16,16,16,16	0
55	MG	AA	5215	1/1	0.86	0.29	1.48	68,68,68,68	0
55	MG	AL	201	1/1	0.91	0.46	1.48	61,61,61,61	0
55	MG	AA	4269	1/1	0.97	0.26	1.45	34,34,34,34	0
55	MG	CA	3180	1/1	0.94	0.18	1.41	18,18,18,18	0
55	MG	DA	1774	1/1	0.85	0.24	1.41	71,71,71,71	0
55	MG	BA	1700	1/1	0.98	0.23	1.39	41,41,41,41	0
55	MG	AA	4202	1/1	0.95	0.26	1.38	20,20,20,20	0
55	MG	AR	205	1/1	0.99	0.32	1.35	110,110,110,110	0
55	MG	DA	1640	1/1	0.92	0.35	1.34	91,91,91,91	0
55	MG	CA	3750	1/1	0.82	0.59	1.33	140,140,140,140	0
55	MG	CA	3188	1/1	0.96	0.30	1.33	23,23,23,23	0
55	MG	AD	301	1/1	0.98	0.31	1.30	28,28,28,28	0
55	MG	AA	4038	1/1	0.88	0.26	1.30	117,117,117,117	0
55	MG	CA	4016	1/1	0.96	0.25	1.30	42,42,42,42	0
55	MG	AG	201	1/1	0.94	0.77	1.26	78,78,78,78	0
55	MG	AA	4492	1/1	0.86	0.36	1.24	41,41,41,41	0
55	MG	AA	4407	1/1	0.91	0.29	1.21	58,58,58,58	0
55	MG	AA	4446	1/1	0.88	0.34	1.20	51,51,51,51	0
55	MG	CA	3170	1/1	0.96	0.25	1.20	24,24,24,24	0
55	MG	CA	4184	1/1	0.90	0.24	1.20	56,56,56,56	0
55	MG	DA	1850	1/1	0.59	0.23	1.18	101,101,101,101	0
55	MG	AA	5275	1/1	0.75	0.32	1.18	59,59,59,59	0
55	MG	CA	3133	1/1	0.90	0.30	1.17	13,13,13,13	0
55	MG	AA	4380	1/1	0.94	0.23	1.17	50,50,50,50	0
55	MG	CA	3137	1/1	0.96	0.27	1.15	16,16,16,16	0
55	MG	CA	4206	1/1	0.95	0.30	1.14	57,57,57,57	0
55	MG	AA	4903	1/1	0.83	0.26	1.12	48,48,48,48	0
55	MG	AA	4463	1/1	0.90	0.32	1.11	35,35,35,35	0
54	BLS	AA	4001	30/30	0.93	0.42	1.11	56,56,56,56	0
55	MG	CB	239	1/1	0.89	0.22	1.10	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1639	1/1	0.84	0.32	1.04	138,138,138,138	0
55	MG	CA	3475	1/1	0.93	0.26	1.03	42,42,42,42	0
55	MG	CL	205	1/1	0.94	0.35	1.01	35,35,35,35	0
55	MG	AA	4344	1/1	0.97	0.24	1.01	33,33,33,33	0
55	MG	AB	215	1/1	0.83	0.31	1.00	99,99,99,99	0
55	MG	CA	3650	1/1	0.79	0.41	0.98	122,122,122,122	0
55	MG	BA	1751	1/1	0.92	0.47	0.97	91,91,91,91	0
55	MG	CA	4202	1/1	0.89	0.24	0.96	61,61,61,61	0
55	MG	CA	3257	1/1	0.93	0.27	0.95	32,32,32,32	0
55	MG	CA	3212	1/1	0.94	0.24	0.95	26,26,26,26	0
55	MG	CA	3081	1/1	0.73	0.20	0.93	80,80,80,80	0
55	MG	AE	302	1/1	0.97	0.25	0.90	77,77,77,77	0
55	MG	BC	303	1/1	0.93	0.27	0.90	49,49,49,49	0
55	MG	DA	2194	1/1	0.71	0.30	0.89	79,79,79,79	0
55	MG	AA	4599	1/1	0.91	0.28	0.89	61,61,61,61	0
55	MG	CA	3130	1/1	0.94	0.22	0.89	11,11,11,11	0
55	MG	CA	3190	1/1	0.96	0.23	0.84	11,11,11,11	0
55	MG	CQ	201	1/1	0.97	0.30	0.79	33,33,33,33	0
55	MG	CA	3091	1/1	0.95	0.35	0.78	65,65,65,65	0
55	MG	AA	4271	1/1	0.93	0.32	0.75	28,28,28,28	0
55	MG	AA	4571	1/1	0.90	0.38	0.73	48,48,48,48	0
55	MG	AA	4034	1/1	0.81	0.44	0.71	84,84,84,84	0
55	MG	DA	1703	1/1	0.84	0.26	0.68	34,34,34,34	0
55	MG	AA	4501	1/1	0.91	0.27	0.64	73,73,73,73	0
55	MG	CA	3329	1/1	0.93	0.21	0.58	21,21,21,21	0
55	MG	CA	3278	1/1	0.94	0.23	0.57	36,36,36,36	0
55	MG	AB	222	1/1	0.93	0.23	0.55	62,62,62,62	0
55	MG	AE	304	1/1	0.87	0.27	0.55	29,29,29,29	0
55	MG	BA	1711	1/1	0.92	0.26	0.51	57,57,57,57	0
55	MG	CA	4371	1/1	0.83	0.32	0.51	76,76,76,76	0
55	MG	CA	3260	1/1	0.91	0.23	0.48	25,25,25,25	0
55	MG	BA	1884	1/1	0.93	0.18	0.43	76,76,76,76	0
55	MG	BA	1737	1/1	0.60	0.23	0.43	46,46,46,46	0
55	MG	CA	3245	1/1	0.89	0.24	0.42	31,31,31,31	0
55	MG	CA	4002	1/1	0.91	0.22	0.41	34,34,34,34	0
55	MG	BA	1678	1/1	0.93	0.16	0.39	80,80,80,80	0
55	MG	C2	101	1/1	0.95	0.24	0.34	15,15,15,15	0
55	MG	BA	2079	1/1	0.88	0.18	0.34	57,57,57,57	0
55	MG	AA	4256	1/1	0.89	0.17	0.34	59,59,59,59	0
55	MG	CA	3282	1/1	0.93	0.20	0.33	25,25,25,25	0
55	MG	DA	2176	1/1	0.86	0.32	0.32	57,57,57,57	0
55	MG	AA	4317	1/1	0.89	0.20	0.25	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3227	1/1	0.90	0.27	0.23	29,29,29,29	0
55	MG	DO	101	1/1	0.82	0.34	0.22	98,98,98,98	0
55	MG	AA	4180	1/1	0.98	0.25	0.20	22,22,22,22	0
55	MG	BV	112	1/1	0.86	0.14	0.20	89,89,89,89	0
55	MG	DA	1990	1/1	0.86	0.26	0.18	68,68,68,68	0
55	MG	AA	4210	1/1	0.91	0.23	0.18	37,37,37,37	0
55	MG	DA	1908	1/1	0.48	0.27	0.18	88,88,88,88	0
55	MG	CA	4355	1/1	0.80	0.24	0.18	47,47,47,47	0
55	MG	AA	4289	1/1	0.84	0.18	0.17	52,52,52,52	0
55	MG	BP	101	1/1	0.94	0.24	0.16	88,88,88,88	0
55	MG	DA	1982	1/1	0.88	0.22	0.15	61,61,61,61	0
55	MG	AA	5148	1/1	0.80	0.14	0.15	59,59,59,59	0
55	MG	CA	3164	1/1	0.85	0.21	0.15	9,9,9,9	0
55	MG	CA	3304	1/1	0.97	0.24	0.14	13,13,13,13	0
55	MG	AA	4192	1/1	0.91	0.22	0.13	23,23,23,23	0
55	MG	AA	4369	1/1	0.91	0.20	0.11	25,25,25,25	0
55	MG	AA	4603	1/1	0.87	0.19	0.11	68,68,68,68	0
55	MG	DA	1695	1/1	0.81	0.26	0.11	55,55,55,55	0
55	MG	BA	1968	1/1	0.84	0.20	0.11	49,49,49,49	0
55	MG	BA	1977	1/1	0.81	0.23	0.10	65,65,65,65	0
55	MG	A3	101	1/1	0.90	0.33	0.10	100,100,100,100	0
55	MG	AA	4033	1/1	0.96	0.25	0.09	47,47,47,47	0
55	MG	DA	2090	1/1	0.81	0.27	0.08	86,86,86,86	0
55	MG	A3	103	1/1	0.83	0.63	0.08	77,77,77,77	0
55	MG	CB	225	1/1	0.94	0.20	0.07	51,51,51,51	0
55	MG	CD	301	1/1	0.93	0.23	0.04	61,61,61,61	0
55	MG	AA	4379	1/1	0.90	0.24	0.03	60,60,60,60	0
55	MG	CG	201	1/1	0.72	0.31	0.03	86,86,86,86	0
55	MG	BB	301	1/1	0.79	0.24	0.02	54,54,54,54	0
55	MG	BA	1702	1/1	0.90	0.28	0.00	52,52,52,52	0
55	MG	AA	4372	1/1	0.87	0.19	-0.03	49,49,49,49	0
55	MG	AA	4738	1/1	0.97	0.23	-0.03	19,19,19,19	0
55	MG	AB	228	1/1	0.66	0.18	-0.06	75,75,75,75	0
55	MG	AA	4174	1/1	0.98	0.25	-0.08	14,14,14,14	0
55	MG	AA	4200	1/1	0.95	0.22	-0.10	8,8,8,8	0
55	MG	CA	3793	1/1	0.83	0.16	-0.11	77,77,77,77	0
55	MG	CA	3708	1/1	0.93	0.22	-0.11	77,77,77,77	0
55	MG	AA	4280	1/1	0.96	0.21	-0.14	51,51,51,51	0
55	MG	AA	4367	1/1	0.96	0.32	-0.14	35,35,35,35	0
55	MG	AK	202	1/1	0.83	0.20	-0.16	72,72,72,72	0
55	MG	AN	201	1/1	0.96	0.23	-0.19	102,102,102,102	0
55	MG	AA	4085	1/1	0.81	0.29	-0.20	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4161	1/1	0.95	0.20	-0.20	46,46,46,46	0
55	MG	AA	4925	1/1	0.94	0.23	-0.23	29,29,29,29	0
55	MG	CA	3185	1/1	0.94	0.22	-0.24	16,16,16,16	0
55	MG	CA	3234	1/1	0.94	0.23	-0.24	18,18,18,18	0
55	MG	AA	4406	1/1	0.96	0.22	-0.28	28,28,28,28	0
55	MG	BA	1811	1/1	0.91	0.17	-0.28	68,68,68,68	0
55	MG	AA	5031	1/1	0.95	0.17	-0.32	62,62,62,62	0
55	MG	AA	4432	1/1	0.86	0.25	-0.33	56,56,56,56	0
55	MG	AA	4382	1/1	0.94	0.20	-0.33	48,48,48,48	0
55	MG	CA	3123	1/1	0.98	0.23	-0.33	6,6,6,6	0
55	MG	CA	2997	1/1	0.95	0.20	-0.36	69,69,69,69	0
55	MG	CA	3989	1/1	0.87	0.22	-0.37	14,14,14,14	0
55	MG	AA	4345	1/1	0.93	0.17	-0.40	59,59,59,59	0
55	MG	AA	4991	1/1	0.90	0.27	-0.40	52,52,52,52	0
55	MG	CA	4304	1/1	0.63	0.24	-0.41	81,81,81,81	0
56	ZN	BD	301	1/1	0.99	0.28	-0.42	38,38,38,38	0
55	MG	AA	4435	1/1	0.76	0.25	-0.44	38,38,38,38	0
55	MG	DA	2177	1/1	0.74	0.27	-0.48	105,105,105,105	0
55	MG	AA	5017	1/1	0.90	0.28	-0.52	72,72,72,72	0
55	MG	DA	1729	1/1	0.91	0.24	-0.53	47,47,47,47	0
55	MG	CA	3078	1/1	0.81	0.21	-0.55	72,72,72,72	0
55	MG	BA	1692	1/1	0.91	0.15	-0.57	51,51,51,51	0
55	MG	CA	3992	1/1	0.94	0.22	-0.59	26,26,26,26	0
55	MG	CA	3559	1/1	0.94	0.20	-0.59	57,57,57,57	0
55	MG	AA	4654	1/1	0.87	0.20	-0.59	42,42,42,42	0
55	MG	CA	3299	1/1	0.96	0.22	-0.61	21,21,21,21	0
55	MG	DA	1721	1/1	0.71	0.24	-0.62	79,79,79,79	0
55	MG	DA	1861	1/1	0.92	0.26	-0.63	95,95,95,95	0
55	MG	CA	3335	1/1	0.86	0.20	-0.66	34,34,34,34	0
55	MG	CW	102	1/1	0.96	0.23	-0.68	32,32,32,32	0
55	MG	AA	4536	1/1	0.47	0.32	-0.68	126,126,126,126	0
55	MG	CA	3397	1/1	0.93	0.15	-0.69	37,37,37,37	0
55	MG	DA	2006	1/1	0.90	0.20	-0.72	54,54,54,54	0
55	MG	AX	102	1/1	0.93	0.24	-0.72	25,25,25,25	0
55	MG	AR	203	1/1	0.94	0.21	-0.75	19,19,19,19	0
55	MG	BA	1713	1/1	0.95	0.24	-0.77	53,53,53,53	0
55	MG	AA	4444	1/1	0.96	0.20	-0.77	23,23,23,23	0
55	MG	DV	106	1/1	0.85	0.13	-0.78	93,93,93,93	0
55	MG	AA	5091	1/1	0.86	0.17	-0.82	52,52,52,52	0
55	MG	AA	4027	1/1	0.89	0.28	-0.83	48,48,48,48	0
55	MG	CA	3364	1/1	0.92	0.19	-0.84	20,20,20,20	0
55	MG	CB	232	1/1	0.88	0.15	-0.87	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3258	1/1	0.78	0.17	-0.88	41,41,41,41	0
55	MG	BG	201	1/1	0.92	0.29	-0.89	46,46,46,46	0
55	MG	CA	3452	1/1	0.87	0.19	-0.90	50,50,50,50	0
55	MG	BA	1848	1/1	0.82	0.23	-0.91	79,79,79,79	0
55	MG	BA	1734	1/1	0.92	0.20	-0.93	56,56,56,56	0
55	MG	DA	2201	1/1	0.94	0.27	-0.96	75,75,75,75	0
55	MG	AA	4881	1/1	0.94	0.14	-1.01	45,45,45,45	0
55	MG	CA	3252	1/1	0.67	0.19	-1.03	61,61,61,61	0
55	MG	AA	4262	1/1	0.88	0.19	-1.03	34,34,34,34	0
55	MG	BA	1896	1/1	0.74	0.16	-1.04	66,66,66,66	0
55	MG	AA	4244	1/1	0.88	0.19	-1.06	31,31,31,31	0
55	MG	BA	1776	1/1	0.94	0.14	-1.07	66,66,66,66	0
55	MG	DA	1714	1/1	0.82	0.18	-1.07	46,46,46,46	0
55	MG	AA	4207	1/1	0.92	0.17	-1.10	25,25,25,25	0
56	ZN	DN	101	1/1	0.96	0.13	-1.15	94,94,94,94	0
55	MG	DA	1957	1/1	0.72	0.18	-1.16	43,43,43,43	0
55	MG	CA	3198	1/1	0.95	0.16	-1.19	31,31,31,31	0
55	MG	CA	3246	1/1	0.97	0.23	-1.19	46,46,46,46	0
55	MG	CA	3417	1/1	0.71	0.15	-1.23	45,45,45,45	0
55	MG	DA	1799	1/1	0.59	0.17	-1.25	80,80,80,80	0
55	MG	DA	1766	1/1	0.67	0.16	-1.26	91,91,91,91	0
55	MG	DA	1867	1/1	0.92	0.17	-1.28	63,63,63,63	0
55	MG	CL	202	1/1	0.91	0.14	-1.29	93,93,93,93	0
55	MG	CA	3230	1/1	0.90	0.12	-1.30	21,21,21,21	0
55	MG	CA	3239	1/1	0.96	0.20	-1.30	29,29,29,29	0
55	MG	BA	1698	1/1	0.93	0.13	-1.32	51,51,51,51	0
55	MG	AA	4526	1/1	0.90	0.16	-1.39	49,49,49,49	0
55	MG	AA	4591	1/1	0.91	0.13	-1.39	52,52,52,52	0
55	MG	CF	302	1/1	0.92	0.20	-1.40	43,43,43,43	0
55	MG	DA	1823	1/1	0.84	0.14	-1.41	88,88,88,88	0
55	MG	BA	1719	1/1	0.77	0.13	-1.44	50,50,50,50	0
55	MG	AA	4891	1/1	0.96	0.20	-1.45	25,25,25,25	0
56	ZN	BN	101	1/1	0.99	0.14	-1.46	76,76,76,76	0
55	MG	CA	3156	1/1	0.99	0.21	-1.46	17,17,17,17	0
55	MG	AA	4437	1/1	0.91	0.21	-1.46	33,33,33,33	0
55	MG	BA	1712	1/1	0.88	0.16	-1.48	41,41,41,41	0
56	ZN	DD	303	1/1	0.98	0.24	-1.48	80,80,80,80	0
55	MG	BA	2031	1/1	0.93	0.19	-1.54	55,55,55,55	0
55	MG	AA	4220	1/1	0.96	0.11	-1.56	36,36,36,36	0
55	MG	BA	1747	1/1	0.91	0.12	-1.58	56,56,56,56	0
55	MG	DA	1985	1/1	0.97	0.21	-1.60	58,58,58,58	0
55	MG	CA	3903	1/1	-0.38	0.29	-1.61	135,135,135,135	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1711	1/1	0.94	0.13	-1.62	50,50,50,50	0
55	MG	AA	4224	1/1	0.98	0.20	-1.62	14,14,14,14	0
55	MG	AA	4227	1/1	0.94	0.15	-1.63	36,36,36,36	0
55	MG	BA	1999	1/1	0.59	0.20	-1.66	85,85,85,85	0
55	MG	AA	5024	1/1	0.89	0.14	-1.69	52,52,52,52	0
55	MG	AB	239	1/1	0.95	0.13	-1.72	49,49,49,49	0
55	MG	AA	4420	1/1	0.87	0.17	-1.73	52,52,52,52	0
55	MG	DV	120	1/1	0.87	0.13	-1.73	54,54,54,54	0
55	MG	AF	302	1/1	0.92	0.22	-1.77	49,49,49,49	0
55	MG	AA	4209	1/1	0.96	0.17	-1.79	47,47,47,47	0
55	MG	BA	1963	1/1	0.86	0.18	-1.82	51,51,51,51	0
55	MG	AA	4846	1/1	0.94	0.18	-1.82	13,13,13,13	0
55	MG	AA	4429	1/1	0.71	0.19	-1.83	36,36,36,36	0
55	MG	CA	3977	1/1	0.88	0.17	-1.84	26,26,26,26	0
55	MG	AA	4893	1/1	0.95	0.18	-1.87	54,54,54,54	0
55	MG	DA	1950	1/1	0.89	0.21	-1.89	155,155,155,155	0
55	MG	BA	1703	1/1	0.88	0.14	-1.92	32,32,32,32	0
55	MG	DA	1915	1/1	0.89	0.11	-1.95	113,113,113,113	0
55	MG	DA	1713	1/1	0.94	0.10	-1.97	30,30,30,30	0
55	MG	BA	1686	1/1	0.92	0.17	-2.02	40,40,40,40	0
55	MG	DA	2065	1/1	0.84	0.20	-2.06	59,59,59,59	0
55	MG	BA	1756	1/1	0.94	0.10	-2.11	59,59,59,59	0
55	MG	AA	4581	1/1	0.79	0.13	-2.18	59,59,59,59	0
55	MG	DA	1900	1/1	0.76	0.11	-2.19	87,87,87,87	0
55	MG	DA	1610	1/1	0.96	0.18	-2.19	59,59,59,59	0
55	MG	DA	2133	1/1	0.91	0.09	-2.21	66,66,66,66	0
55	MG	AA	4283	1/1	0.87	0.18	-2.29	39,39,39,39	0
55	MG	AA	4376	1/1	0.83	0.14	-2.30	53,53,53,53	0
55	MG	BV	106	1/1	0.94	0.06	-2.33	113,113,113,113	0
55	MG	CA	3179	1/1	0.88	0.13	-2.36	41,41,41,41	0
55	MG	CA	3255	1/1	0.87	0.14	-2.46	33,33,33,33	0
55	MG	BA	2143	1/1	0.94	0.08	-2.46	83,83,83,83	0
55	MG	CA	3224	1/1	0.93	0.15	-2.60	36,36,36,36	0
55	MG	DA	1847	1/1	0.95	0.05	-2.64	119,119,119,119	0
55	MG	DA	1792	1/1	0.94	0.10	-2.64	66,66,66,66	0
55	MG	BA	1773	1/1	0.86	0.14	-2.65	74,74,74,74	0
55	MG	CA	3311	1/1	0.95	0.15	-2.67	20,20,20,20	0
55	MG	DA	1691	1/1	0.94	0.16	-2.74	16,16,16,16	0
55	MG	BA	1951	1/1	0.93	0.15	-2.91	29,29,29,29	0
55	MG	AA	4393	1/1	0.81	0.11	-3.02	57,57,57,57	0
55	MG	CA	3387	1/1	0.80	0.20	-3.04	29,29,29,29	0
55	MG	BA	1654	1/1	0.89	0.09	-3.09	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3270	1/1	0.92	0.17	-3.10	26,26,26,26	0
55	MG	AA	4263	1/1	0.97	0.15	-3.16	38,38,38,38	0
55	MG	BA	1705	1/1	0.87	0.12	-3.28	55,55,55,55	0
55	MG	DW	110	1/1	0.92	0.06	-3.28	58,58,58,58	0
55	MG	DA	1735	1/1	0.79	0.21	-3.33	57,57,57,57	0
55	MG	DA	1781	1/1	0.83	0.09	-3.34	107,107,107,107	0
55	MG	BA	1706	1/1	0.88	0.14	-3.38	35,35,35,35	0
55	MG	CA	4014	1/1	0.91	0.17	-3.38	37,37,37,37	0
55	MG	AA	4285	1/1	0.98	0.12	-3.48	23,23,23,23	0
55	MG	CA	3128	1/1	0.96	0.14	-3.48	8,8,8,8	0
55	MG	BA	1725	1/1	0.93	0.11	-3.52	27,27,27,27	0
55	MG	DA	1739	1/1	0.93	0.14	-3.54	35,35,35,35	0
55	MG	AA	4856	1/1	0.88	0.21	-3.59	42,42,42,42	0
55	MG	AA	4434	1/1	0.98	0.17	-3.66	54,54,54,54	0
55	MG	CA	3331	1/1	0.87	0.14	-3.71	27,27,27,27	0
55	MG	CA	3531	1/1	0.93	0.09	-3.78	52,52,52,52	0
55	MG	CA	3241	1/1	0.93	0.17	-3.80	26,26,26,26	0
55	MG	CA	3136	1/1	0.96	0.17	-3.82	14,14,14,14	0
55	MG	BV	128	1/1	0.92	0.06	-4.09	63,63,63,63	0
55	MG	DA	1769	1/1	0.95	0.09	-4.54	57,57,57,57	0
55	MG	AA	4872	1/1	0.98	0.14	-4.55	32,32,32,32	0
55	MG	DA	2018	1/1	0.91	0.13	-4.73	45,45,45,45	0
55	MG	BA	1765	1/1	0.65	0.18	-4.75	93,93,93,93	0
55	MG	CA	3961	1/1	0.93	0.17	-4.87	28,28,28,28	0
55	MG	CA	3135	1/1	0.94	0.12	-4.94	17,17,17,17	0
55	MG	DA	1700	1/1	0.87	0.10	-4.98	48,48,48,48	0
55	MG	CA	3208	1/1	0.93	0.09	-5.29	46,46,46,46	0
55	MG	CA	3265	1/1	0.98	0.07	-5.39	35,35,35,35	0
55	MG	CA	4024	1/1	0.96	0.17	-5.88	48,48,48,48	0
55	MG	CA	3189	1/1	0.94	0.09	-5.92	25,25,25,25	0
55	MG	CA	3141	1/1	0.93	0.16	-5.97	9,9,9,9	0
55	MG	AA	4388	1/1	0.92	0.15	-5.98	66,66,66,66	0
55	MG	CA	3195	1/1	0.97	0.15	-6.03	20,20,20,20	0
55	MG	AB	212	1/1	0.89	0.10	-6.12	45,45,45,45	0
55	MG	AA	4216	1/1	0.95	0.14	-6.35	18,18,18,18	0
55	MG	AA	4201	1/1	0.96	0.13	-7.50	15,15,15,15	0
55	MG	DA	1870	1/1	0.87	0.11	-7.88	76,76,76,76	0
55	MG	CA	3377	1/1	0.92	0.10	-9.73	44,44,44,44	0
55	MG	DA	1603	1/1	0.87	0.67	-	60,60,60,60	0
55	MG	CA	4195	1/1	0.57	0.85	-	64,64,64,64	0
55	MG	CA	4040	1/1	0.90	0.35	-	36,36,36,36	0
55	MG	CA	4310	1/1	0.89	0.33	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BV	127	1/1	0.92	0.19	-	53,53,53,53	0
55	MG	AA	4800	1/1	0.89	0.29	-	121,121,121,121	0
55	MG	CA	3854	1/1	0.86	0.41	-	66,66,66,66	0
55	MG	AA	4053	1/1	0.96	0.22	-	107,107,107,107	0
55	MG	CA	3399	1/1	0.74	0.44	-	37,37,37,37	0
55	MG	CA	3786	1/1	0.59	0.68	-	64,64,64,64	0
55	MG	BA	1656	1/1	0.77	0.45	-	70,70,70,70	0
55	MG	CB	231	1/1	0.59	0.27	-	76,76,76,76	0
55	MG	AA	5187	1/1	0.89	0.17	-	69,69,69,69	0
55	MG	CA	4191	1/1	0.77	0.12	-	55,55,55,55	0
55	MG	DW	102	1/1	0.86	0.31	-	76,76,76,76	0
55	MG	BA	1835	1/1	0.76	0.32	-	106,106,106,106	0
55	MG	CA	3464	1/1	0.90	0.20	-	64,64,64,64	0
55	MG	DA	1652	1/1	0.91	0.34	-	107,107,107,107	0
55	MG	CA	3787	1/1	0.97	0.16	-	52,52,52,52	0
55	MG	AA	4481	1/1	0.74	0.51	-	58,58,58,58	0
55	MG	DA	1888	1/1	0.86	0.16	-	98,98,98,98	0
55	MG	CA	3698	1/1	0.88	0.19	-	65,65,65,65	0
55	MG	AA	4764	1/1	0.96	0.22	-	112,112,112,112	0
55	MG	DA	2153	1/1	0.40	0.74	-	87,87,87,87	0
55	MG	AA	4131	1/1	0.88	0.19	-	48,48,48,48	0
55	MG	CA	3768	1/1	0.95	0.34	-	84,84,84,84	0
55	MG	DA	2069	1/1	0.61	0.57	-	76,76,76,76	0
55	MG	AA	4769	1/1	0.59	0.66	-	69,69,69,69	0
55	MG	CA	3444	1/1	0.96	0.24	-	48,48,48,48	0
55	MG	AA	5020	1/1	0.69	0.45	-	57,57,57,57	0
55	MG	DA	2134	1/1	0.80	0.25	-	74,74,74,74	0
55	MG	AA	5081	1/1	0.84	0.12	-	92,92,92,92	0
55	MG	DA	1942	1/1	0.74	0.37	-	58,58,58,58	0
55	MG	DA	1788	1/1	0.96	0.12	-	70,70,70,70	0
55	MG	AA	4187	1/1	0.97	0.85	-	30,30,30,30	0
55	MG	AA	5073	1/1	0.94	0.20	-	36,36,36,36	0
55	MG	CA	3589	1/1	0.91	0.38	-	58,58,58,58	0
55	MG	AA	4072	1/1	0.88	0.34	-	57,57,57,57	0
55	MG	AA	5281	1/1	0.76	0.28	-	56,56,56,56	0
55	MG	AA	4692	1/1	0.94	0.26	-	57,57,57,57	0
55	MG	CA	3495	1/1	0.75	0.33	-	58,58,58,58	0
55	MG	AA	5241	1/1	0.90	0.30	-	91,91,91,91	0
55	MG	AA	4670	1/1	0.78	0.32	-	66,66,66,66	0
55	MG	CA	4384	1/1	0.81	0.55	-	65,65,65,65	0
55	MG	C3	102	1/1	0.77	0.13	-	46,46,46,46	0
55	MG	DV	121	1/1	0.96	0.14	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3766	1/1	0.74	0.33	-	89,89,89,89	0
55	MG	CA	4400	1/1	0.80	0.28	-	45,45,45,45	0
55	MG	CA	3441	1/1	0.87	0.28	-	63,63,63,63	0
55	MG	BA	2161	1/1	0.89	0.26	-	69,69,69,69	0
55	MG	AA	4615	1/1	0.84	0.37	-	79,79,79,79	0
55	MG	CA	3063	1/1	0.83	0.23	-	82,82,82,82	0
55	MG	CA	3580	1/1	0.83	0.33	-	59,59,59,59	0
55	MG	CA	4323	1/1	0.77	0.42	-	49,49,49,49	0
55	MG	BA	1617	1/1	0.94	0.20	-	99,99,99,99	0
55	MG	BA	1878	1/1	0.61	0.26	-	77,77,77,77	0
55	MG	AA	4552	1/1	0.79	0.23	-	71,71,71,71	0
55	MG	AA	4564	1/1	0.88	0.12	-	66,66,66,66	0
55	MG	AA	4154	1/1	0.91	0.44	-	55,55,55,55	0
55	MG	CA	3011	1/1	0.92	0.27	-	59,59,59,59	0
55	MG	CA	3146	1/1	0.95	0.58	-	24,24,24,24	0
55	MG	DA	1824	1/1	0.96	0.50	-	63,63,63,63	0
55	MG	CA	3885	1/1	0.46	0.44	-	77,77,77,77	0
55	MG	BA	1778	1/1	0.90	0.28	-	64,64,64,64	0
55	MG	AA	5065	1/1	0.85	0.32	-	44,44,44,44	0
55	MG	BA	1953	1/1	0.94	0.43	-	24,24,24,24	0
55	MG	CA	4084	1/1	0.88	0.22	-	67,67,67,67	0
55	MG	DA	1858	1/1	0.84	0.59	-	68,68,68,68	0
55	MG	CA	4321	1/1	0.81	0.61	-	63,63,63,63	0
55	MG	AE	301	1/1	0.90	0.44	-	74,74,74,74	0
55	MG	AA	4681	1/1	0.85	0.61	-	69,69,69,69	0
55	MG	DA	2005	1/1	0.89	0.54	-	61,61,61,61	0
55	MG	CA	3477	1/1	0.88	0.15	-	45,45,45,45	0
55	MG	AA	4402	1/1	0.91	0.36	-	48,48,48,48	0
55	MG	AA	5208	1/1	0.92	0.35	-	45,45,45,45	0
55	MG	AA	4676	1/1	0.75	0.23	-	74,74,74,74	0
55	MG	BI	202	1/1	0.87	0.80	-	94,94,94,94	0
55	MG	CA	3420	1/1	0.87	0.30	-	43,43,43,43	0
55	MG	AA	4937	1/1	0.94	0.13	-	38,38,38,38	0
55	MG	DA	1896	1/1	0.73	0.46	-	74,74,74,74	0
55	MG	AA	5238	1/1	0.84	0.43	-	59,59,59,59	0
55	MG	CA	3884	1/1	0.79	0.82	-	86,86,86,86	0
55	MG	CA	4079	1/1	0.80	0.38	-	51,51,51,51	0
55	MG	CA	3174	1/1	0.94	0.23	-	23,23,23,23	0
55	MG	AA	5105	1/1	0.88	0.28	-	47,47,47,47	0
55	MG	AA	5240	1/1	0.73	0.55	-	93,93,93,93	0
55	MG	DA	1760	1/1	0.89	0.34	-	62,62,62,62	0
55	MG	AA	4443	1/1	0.86	0.29	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3297	1/1	0.95	0.59	-	37,37,37,37	0
55	MG	AA	4348	1/1	0.93	0.39	-	36,36,36,36	0
55	MG	CA	4188	1/1	0.84	0.35	-	45,45,45,45	0
55	MG	BA	1842	1/1	0.85	0.60	-	63,63,63,63	0
55	MG	AA	4894	1/1	0.95	0.17	-	93,93,93,93	0
55	MG	DA	2186	1/1	0.88	0.19	-	71,71,71,71	0
55	MG	DK	201	1/1	0.83	0.27	-	49,49,49,49	0
55	MG	AA	4013	1/1	0.83	0.27	-	55,55,55,55	0
55	MG	AA	4680	1/1	0.71	0.44	-	68,68,68,68	0
55	MG	AA	5119	1/1	0.79	0.48	-	80,80,80,80	0
55	MG	DA	1948	1/1	0.85	0.27	-	58,58,58,58	0
55	MG	BA	1745	1/1	0.70	0.30	-	70,70,70,70	0
55	MG	AA	4902	1/1	0.95	0.21	-	35,35,35,35	0
55	MG	CA	3394	1/1	0.85	0.28	-	54,54,54,54	0
55	MG	AA	4451	1/1	0.85	0.43	-	60,60,60,60	0
55	MG	CA	3201	1/1	0.93	0.46	-	24,24,24,24	0
55	MG	DA	2154	1/1	0.86	0.32	-	68,68,68,68	0
55	MG	CA	3675	1/1	0.82	0.18	-	72,72,72,72	0
55	MG	DA	2189	1/1	0.82	0.29	-	58,58,58,58	0
55	MG	AA	4606	1/1	0.73	0.56	-	109,109,109,109	0
55	MG	AA	4240	1/1	0.92	0.32	-	32,32,32,32	0
55	MG	DA	1844	1/1	0.95	0.30	-	164,164,164,164	0
55	MG	CA	3999	1/1	0.81	0.41	-	37,37,37,37	0
55	MG	AA	4700	1/1	0.82	0.59	-	107,107,107,107	0
55	MG	AA	4543	1/1	0.86	0.29	-	77,77,77,77	0
55	MG	AG	202	1/1	0.74	0.41	-	76,76,76,76	0
55	MG	CA	4283	1/1	0.73	0.25	-	55,55,55,55	0
55	MG	AA	4780	1/1	0.61	0.85	-	68,68,68,68	0
55	MG	CA	4238	1/1	0.79	0.13	-	91,91,91,91	0
55	MG	AA	4635	1/1	0.78	0.61	-	79,79,79,79	0
55	MG	AA	4102	1/1	0.89	0.77	-	58,58,58,58	0
55	MG	BV	124	1/1	0.86	0.22	-	62,62,62,62	0
55	MG	BA	2028	1/1	0.61	0.28	-	64,64,64,64	0
55	MG	CA	4179	1/1	0.57	0.40	-	105,105,105,105	0
55	MG	AA	4469	1/1	0.77	0.17	-	66,66,66,66	0
55	MG	AA	4121	1/1	0.63	0.87	-	82,82,82,82	0
55	MG	CA	4109	1/1	0.68	0.53	-	45,45,45,45	0
55	MG	DA	1972	1/1	0.93	0.12	-	48,48,48,48	0
55	MG	AA	4396	1/1	0.63	0.31	-	66,66,66,66	0
55	MG	BA	1881	1/1	0.80	0.29	-	68,68,68,68	0
55	MG	AB	243	1/1	0.45	0.73	-	164,164,164,164	0
55	MG	AA	5013	1/1	0.60	0.16	-	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DW	105	1/1	0.72	0.11	-	92,92,92,92	0
55	MG	CA	3947	1/1	0.83	0.12	-	41,41,41,41	0
55	MG	AA	4215	1/1	0.99	0.30	-	19,19,19,19	0
55	MG	CA	3949	1/1	0.17	0.83	-	110,110,110,110	0
55	MG	CA	4307	1/1	0.77	0.37	-	58,58,58,58	0
55	MG	AA	4122	1/1	0.92	0.30	-	65,65,65,65	0
55	MG	AA	4361	1/1	0.71	0.37	-	47,47,47,47	0
55	MG	CA	3868	1/1	0.90	0.38	-	46,46,46,46	0
55	MG	CA	3374	1/1	0.77	0.20	-	56,56,56,56	0
55	MG	AA	4070	1/1	0.92	0.38	-	60,60,60,60	0
55	MG	CA	3891	1/1	0.69	0.44	-	50,50,50,50	0
55	MG	CA	3771	1/1	0.84	0.61	-	111,111,111,111	0
55	MG	AA	5027	1/1	0.83	0.09	-	68,68,68,68	0
55	MG	CA	3590	1/1	0.94	0.30	-	42,42,42,42	0
55	MG	BA	1743	1/1	0.81	0.13	-	76,76,76,76	0
55	MG	BA	1630	1/1	0.83	0.54	-	47,47,47,47	0
55	MG	CA	3072	1/1	0.59	0.64	-	87,87,87,87	0
55	MG	CA	3957	1/1	0.88	0.71	-	55,55,55,55	0
55	MG	AA	5278	1/1	0.93	0.34	-	56,56,56,56	0
55	MG	DA	2183	1/1	0.74	0.36	-	96,96,96,96	0
55	MG	AA	4167	1/1	0.90	0.30	-	68,68,68,68	0
55	MG	CB	209	1/1	0.83	0.85	-	66,66,66,66	0
55	MG	AA	4793	1/1	0.92	0.81	-	62,62,62,62	0
55	MG	CA	3117	1/1	0.91	0.22	-	17,17,17,17	0
55	MG	CA	3196	1/1	0.92	0.21	-	23,23,23,23	0
55	MG	BA	1753	1/1	0.88	0.43	-	39,39,39,39	0
55	MG	AA	5120	1/1	0.83	0.38	-	80,80,80,80	0
55	MG	CA	4058	1/1	0.69	0.45	-	48,48,48,48	0
55	MG	DA	1916	1/1	0.23	0.82	-	87,87,87,87	0
55	MG	BA	1820	1/1	0.87	0.38	-	66,66,66,66	0
55	MG	CA	4025	1/1	0.71	0.39	-	76,76,76,76	0
55	MG	CA	3547	1/1	0.88	0.29	-	32,32,32,32	0
55	MG	CA	4072	1/1	0.89	0.33	-	61,61,61,61	0
55	MG	CA	3336	1/1	0.96	0.20	-	36,36,36,36	0
55	MG	DA	2040	1/1	0.91	0.70	-	53,53,53,53	0
55	MG	AA	4404	1/1	0.82	0.62	-	41,41,41,41	0
55	MG	DA	2190	1/1	0.91	0.23	-	59,59,59,59	0
55	MG	CA	3163	1/1	0.87	0.50	-	16,16,16,16	0
55	MG	DA	1777	1/1	0.89	0.28	-	124,124,124,124	0
55	MG	BA	1784	1/1	0.76	0.41	-	47,47,47,47	0
55	MG	CA	3047	1/1	0.92	0.69	-	48,48,48,48	0
55	MG	AA	4865	1/1	0.76	0.80	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1716	1/1	0.95	0.16	-	51,51,51,51	0
55	MG	AB	210	1/1	0.56	0.38	-	68,68,68,68	0
55	MG	CA	3801	1/1	0.94	0.18	-	45,45,45,45	0
55	MG	CA	3242	1/1	0.84	0.26	-	33,33,33,33	0
55	MG	CA	4185	1/1	0.85	0.57	-	53,53,53,53	0
55	MG	CA	4154	1/1	0.82	0.88	-	61,61,61,61	0
55	MG	DT	201	1/1	0.85	0.24	-	57,57,57,57	0
55	MG	DA	2196	1/1	0.94	0.56	-	90,90,90,90	0
55	MG	CA	3847	1/1	0.93	0.37	-	71,71,71,71	0
55	MG	AA	4480	1/1	0.84	0.35	-	48,48,48,48	0
55	MG	CA	3604	1/1	0.96	0.33	-	57,57,57,57	0
55	MG	CA	3985	1/1	0.94	0.32	-	22,22,22,22	0
55	MG	AA	4030	1/1	0.89	0.75	-	62,62,62,62	0
55	MG	AA	5255	1/1	0.82	0.37	-	61,61,61,61	0
55	MG	AA	4604	1/1	0.82	0.31	-	54,54,54,54	0
55	MG	DA	1991	1/1	0.56	0.57	-	56,56,56,56	0
55	MG	CA	3215	1/1	0.95	0.18	-	26,26,26,26	0
55	MG	AA	4927	1/1	0.84	0.28	-	50,50,50,50	0
55	MG	BA	1625	1/1	0.78	0.46	-	91,91,91,91	0
55	MG	CA	3038	1/1	0.92	0.53	-	52,52,52,52	0
55	MG	AA	5118	1/1	0.79	0.66	-	54,54,54,54	0
55	MG	BA	1845	1/1	0.84	0.14	-	103,103,103,103	0
55	MG	DA	1941	1/1	0.87	0.31	-	38,38,38,38	0
55	MG	CA	3849	1/1	0.71	0.47	-	119,119,119,119	0
55	MG	DA	1741	1/1	0.91	0.27	-	60,60,60,60	0
55	MG	AA	4871	1/1	0.95	0.49	-	34,34,34,34	0
55	MG	AA	5205	1/1	0.52	0.22	-	83,83,83,83	0
55	MG	DA	1667	1/1	0.90	0.18	-	67,67,67,67	0
55	MG	AA	4389	1/1	0.84	0.21	-	61,61,61,61	0
55	MG	CA	4159	1/1	0.91	0.19	-	36,36,36,36	0
55	MG	CA	3721	1/1	0.66	0.38	-	56,56,56,56	0
55	MG	AA	5068	1/1	0.94	0.27	-	51,51,51,51	0
55	MG	CA	3823	1/1	0.92	0.26	-	81,81,81,81	0
55	MG	DA	1807	1/1	0.82	0.19	-	53,53,53,53	0
55	MG	CA	3853	1/1	0.87	0.25	-	21,21,21,21	0
55	MG	DA	1890	1/1	0.89	0.14	-	97,97,97,97	0
55	MG	DA	1705	1/1	0.79	0.81	-	34,34,34,34	0
55	MG	AA	4448	1/1	0.73	0.14	-	59,59,59,59	0
55	MG	CA	4332	1/1	0.60	0.38	-	74,74,74,74	0
55	MG	CA	3924	1/1	0.90	0.30	-	44,44,44,44	0
55	MG	C5	103	1/1	0.93	0.15	-	44,44,44,44	0
55	MG	CA	3470	1/1	0.87	0.42	-	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1818	1/1	0.70	0.44	-	68,68,68,68	0
55	MG	BA	1810	1/1	0.73	0.48	-	75,75,75,75	0
55	MG	CA	4073	1/1	0.85	0.45	-	45,45,45,45	0
55	MG	BA	1871	1/1	0.96	0.13	-	71,71,71,71	0
55	MG	DA	1949	1/1	0.18	0.45	-	88,88,88,88	0
55	MG	CA	3603	1/1	0.83	0.15	-	57,57,57,57	0
55	MG	C5	101	1/1	0.82	0.44	-	63,63,63,63	0
55	MG	CA	3780	1/1	0.92	0.20	-	78,78,78,78	0
55	MG	AA	4560	1/1	0.91	0.27	-	64,64,64,64	0
55	MG	CA	2963	1/1	0.91	0.31	-	90,90,90,90	0
55	MG	BA	1973	1/1	0.78	0.16	-	58,58,58,58	0
55	MG	DA	1920	1/1	0.82	0.40	-	72,72,72,72	0
55	MG	BA	1648	1/1	0.78	0.43	-	61,61,61,61	0
55	MG	BA	1862	1/1	0.75	0.38	-	65,65,65,65	0
55	MG	DA	1831	1/1	0.47	0.28	-	99,99,99,99	0
55	MG	CA	3264	1/1	0.87	0.26	-	34,34,34,34	0
55	MG	BA	2075	1/1	0.84	0.21	-	60,60,60,60	0
55	MG	CA	3050	1/1	0.69	0.39	-	80,80,80,80	0
55	MG	CA	4069	1/1	0.87	0.32	-	41,41,41,41	0
55	MG	AA	4897	1/1	0.89	0.11	-	51,51,51,51	0
55	MG	CA	4360	1/1	0.83	0.28	-	52,52,52,52	0
55	MG	CA	4282	1/1	0.82	0.44	-	56,56,56,56	0
55	MG	BA	1708	1/1	0.80	0.19	-	36,36,36,36	0
55	MG	CA	3789	1/1	0.72	0.48	-	94,94,94,94	0
55	MG	AA	4617	1/1	0.93	0.23	-	51,51,51,51	0
55	MG	BA	1893	1/1	0.95	0.36	-	102,102,102,102	0
55	MG	AA	4097	1/1	0.55	0.58	-	78,78,78,78	0
55	MG	CA	4318	1/1	0.80	0.28	-	71,71,71,71	0
55	MG	AA	4517	1/1	0.81	0.47	-	48,48,48,48	0
55	MG	AA	4090	1/1	0.86	0.48	-	87,87,87,87	0
55	MG	CA	2951	1/1	0.89	0.37	-	125,125,125,125	0
55	MG	AA	4327	1/1	0.91	0.10	-	53,53,53,53	0
55	MG	BA	1750	1/1	0.86	0.49	-	55,55,55,55	0
55	MG	CA	3510	1/1	0.88	0.24	-	58,58,58,58	0
55	MG	BA	1612	1/1	0.84	0.27	-	98,98,98,98	0
55	MG	AA	4134	1/1	0.89	0.33	-	52,52,52,52	0
55	MG	AA	4789	1/1	0.92	0.18	-	81,81,81,81	0
55	MG	CA	4166	1/1	0.94	0.51	-	59,59,59,59	0
55	MG	CA	3579	1/1	0.96	0.05	-	53,53,53,53	0
55	MG	CA	2915	1/1	0.77	0.27	-	64,64,64,64	0
55	MG	CA	3288	1/1	0.85	0.95	-	53,53,53,53	0
55	MG	CA	3815	1/1	0.77	0.31	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4594	1/1	0.64	1.37	-	75,75,75,75	0
55	MG	BA	1975	1/1	0.42	0.46	-	75,75,75,75	0
55	MG	CA	3093	1/1	0.98	0.42	-	69,69,69,69	0
55	MG	AA	4059	1/1	0.88	0.37	-	73,73,73,73	0
55	MG	BA	1668	1/1	0.91	0.35	-	57,57,57,57	0
55	MG	A5	101	1/1	0.82	0.33	-	30,30,30,30	0
55	MG	AA	4123	1/1	0.52	0.54	-	74,74,74,74	0
55	MG	CB	203	1/1	0.80	0.34	-	100,100,100,100	0
55	MG	CA	3240	1/1	0.81	0.60	-	33,33,33,33	0
55	MG	BA	1760	1/1	0.96	0.17	-	53,53,53,53	0
55	MG	AA	4113	1/1	0.66	0.51	-	84,84,84,84	0
55	MG	BA	2076	1/1	0.68	0.37	-	66,66,66,66	0
55	MG	CA	4264	1/1	0.89	0.10	-	68,68,68,68	0
55	MG	CA	4088	1/1	0.85	0.26	-	66,66,66,66	0
55	MG	AA	4523	1/1	0.83	0.41	-	66,66,66,66	0
55	MG	AA	4913	1/1	0.76	0.27	-	36,36,36,36	0
55	MG	AA	5134	1/1	0.88	0.75	-	77,77,77,77	0
55	MG	AA	4741	1/1	0.53	0.46	-	71,71,71,71	0
55	MG	DA	2085	1/1	0.81	0.39	-	68,68,68,68	0
55	MG	CA	4054	1/1	0.94	0.89	-	33,33,33,33	0
55	MG	CB	219	1/1	0.94	0.26	-	52,52,52,52	0
55	MG	CA	3425	1/1	0.81	0.10	-	57,57,57,57	0
55	MG	AA	4168	1/1	0.82	0.52	-	65,65,65,65	0
55	MG	CB	242	1/1	0.57	0.34	-	77,77,77,77	0
55	MG	BA	1775	1/1	0.75	0.52	-	64,64,64,64	0
55	MG	BA	2142	1/1	0.68	0.30	-	78,78,78,78	0
55	MG	AA	5063	1/1	0.69	0.50	-	59,59,59,59	0
55	MG	AA	4452	1/1	0.97	0.06	-	42,42,42,42	0
55	MG	AA	4314	1/1	0.69	0.38	-	36,36,36,36	0
55	MG	CA	3897	1/1	0.92	0.28	-	86,86,86,86	0
55	MG	CA	3466	1/1	0.67	0.28	-	56,56,56,56	0
55	MG	CA	3463	1/1	0.92	0.69	-	70,70,70,70	0
55	MG	AS	201	1/1	0.82	0.40	-	62,62,62,62	0
55	MG	AA	4119	1/1	0.85	0.80	-	67,67,67,67	0
55	MG	DA	1665	1/1	0.92	0.41	-	61,61,61,61	0
55	MG	BA	1610	1/1	-0.00	0.65	-	93,93,93,93	0
55	MG	AA	5043	1/1	0.88	0.30	-	79,79,79,79	0
55	MG	CA	4031	1/1	0.88	0.11	-	40,40,40,40	0
55	MG	AA	4570	1/1	0.78	0.29	-	76,76,76,76	0
55	MG	AA	4832	1/1	0.83	0.30	-	75,75,75,75	0
55	MG	BA	1824	1/1	0.71	0.40	-	76,76,76,76	0
55	MG	CA	3523	1/1	0.99	0.40	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4932	1/1	0.88	0.25	-	45,45,45,45	0
55	MG	CA	4327	1/1	0.83	0.23	-	58,58,58,58	0
55	MG	AA	4075	1/1	0.94	0.26	-	88,88,88,88	0
55	MG	AA	5197	1/1	0.91	0.24	-	73,73,73,73	0
55	MG	BA	2022	1/1	0.96	0.19	-	73,73,73,73	0
55	MG	AA	5059	1/1	0.67	0.49	-	48,48,48,48	0
55	MG	CA	3908	1/1	0.89	0.33	-	55,55,55,55	0
55	MG	BA	2040	1/1	0.93	0.20	-	68,68,68,68	0
55	MG	AA	4028	1/1	0.97	0.39	-	88,88,88,88	0
55	MG	CA	4126	1/1	0.86	0.17	-	48,48,48,48	0
55	MG	AA	4386	1/1	0.90	0.49	-	36,36,36,36	0
55	MG	CA	3682	1/1	0.96	0.06	-	93,93,93,93	0
55	MG	DA	1608	1/1	0.89	0.20	-	71,71,71,71	0
55	MG	AA	5046	1/1	0.81	0.38	-	37,37,37,37	0
55	MG	CA	4051	1/1	0.90	0.19	-	54,54,54,54	0
55	MG	DA	2002	1/1	0.90	0.13	-	59,59,59,59	0
55	MG	BA	1993	1/1	0.73	0.24	-	28,28,28,28	0
55	MG	CA	4083	1/1	0.98	0.08	-	37,37,37,37	0
55	MG	CA	4385	1/1	0.86	0.12	-	61,61,61,61	0
55	MG	DA	2132	1/1	0.96	0.09	-	60,60,60,60	0
55	MG	CB	230	1/1	0.85	0.53	-	77,77,77,77	0
55	MG	AA	4610	1/1	0.95	0.14	-	74,74,74,74	0
55	MG	BO	101	1/1	0.75	0.42	-	91,91,91,91	0
55	MG	BA	2100	1/1	0.37	0.30	-	112,112,112,112	0
55	MG	DA	1979	1/1	0.78	0.18	-	48,48,48,48	0
55	MG	AA	5087	1/1	0.77	0.38	-	43,43,43,43	0
55	MG	CA	3727	1/1	0.72	0.41	-	89,89,89,89	0
55	MG	DA	1731	1/1	0.70	0.31	-	47,47,47,47	0
55	MG	DA	2001	1/1	0.90	0.17	-	70,70,70,70	0
55	MG	BA	1622	1/1	0.93	0.45	-	122,122,122,122	0
55	MG	BA	1809	1/1	0.90	0.24	-	62,62,62,62	0
55	MG	CA	3687	1/1	0.94	0.67	-	67,67,67,67	0
55	MG	AA	4081	1/1	0.78	0.26	-	78,78,78,78	0
55	MG	CA	3843	1/1	0.99	0.36	-	68,68,68,68	0
55	MG	BA	2030	1/1	0.80	0.68	-	55,55,55,55	0
55	MG	DA	1886	1/1	0.90	0.26	-	83,83,83,83	0
55	MG	DA	1940	1/1	0.97	0.07	-	94,94,94,94	0
55	MG	AA	4624	1/1	0.95	0.09	-	75,75,75,75	0
55	MG	DA	1765	1/1	0.95	0.56	-	50,50,50,50	0
55	MG	CA	3567	1/1	0.89	0.46	-	71,71,71,71	0
55	MG	DA	1805	1/1	0.87	0.31	-	85,85,85,85	0
55	MG	DA	2193	1/1	0.91	0.28	-	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1626	1/1	0.42	1.24	-	123,123,123,123	0
55	MG	CA	3591	1/1	0.86	0.54	-	58,58,58,58	0
55	MG	CA	3948	1/1	0.74	0.64	-	66,66,66,66	0
55	MG	BA	1923	1/1	0.72	0.45	-	54,54,54,54	0
55	MG	CA	3856	1/1	0.64	0.30	-	67,67,67,67	0
55	MG	DA	2061	1/1	0.81	0.20	-	57,57,57,57	0
55	MG	AA	4708	1/1	0.72	0.44	-	72,72,72,72	0
55	MG	BA	1660	1/1	0.76	0.25	-	73,73,73,73	0
55	MG	AA	4791	1/1	0.87	0.42	-	57,57,57,57	0
55	MG	DV	104	1/1	0.91	0.34	-	92,92,92,92	0
55	MG	AA	4516	1/1	0.85	0.41	-	69,69,69,69	0
55	MG	DA	1925	1/1	0.91	0.51	-	89,89,89,89	0
55	MG	AA	4714	1/1	0.83	0.22	-	73,73,73,73	0
55	MG	BA	1777	1/1	0.89	0.29	-	63,63,63,63	0
55	MG	CA	3473	1/1	0.74	0.21	-	80,80,80,80	0
55	MG	CA	4344	1/1	0.80	0.23	-	41,41,41,41	0
55	MG	AA	4233	1/1	0.90	0.40	-	29,29,29,29	0
55	MG	CA	3261	1/1	0.96	0.46	-	48,48,48,48	0
55	MG	AA	4711	1/1	0.91	0.12	-	75,75,75,75	0
55	MG	DA	1835	1/1	0.89	0.20	-	85,85,85,85	0
55	MG	DA	2075	1/1	0.65	0.24	-	72,72,72,72	0
55	MG	AA	4532	1/1	0.82	0.66	-	46,46,46,46	0
55	MG	CA	3873	1/1	0.60	0.16	-	77,77,77,77	0
55	MG	AA	4898	1/1	0.90	0.25	-	67,67,67,67	0
55	MG	AA	4716	1/1	0.62	0.48	-	76,76,76,76	0
55	MG	CA	3894	1/1	0.89	0.22	-	55,55,55,55	0
55	MG	DA	2130	1/1	0.95	0.36	-	84,84,84,84	0
55	MG	DA	2147	1/1	0.90	0.55	-	40,40,40,40	0
55	MG	CA	4380	1/1	0.79	0.37	-	63,63,63,63	0
55	MG	CA	3677	1/1	0.63	0.46	-	67,67,67,67	0
55	MG	CA	4167	1/1	0.88	0.18	-	45,45,45,45	0
55	MG	AA	4023	1/1	0.69	0.46	-	71,71,71,71	0
55	MG	AA	4472	1/1	0.92	0.21	-	57,57,57,57	0
55	MG	DA	1943	1/1	0.82	0.37	-	64,64,64,64	0
55	MG	AA	4885	1/1	0.67	0.23	-	88,88,88,88	0
55	MG	BA	1853	1/1	0.92	0.21	-	102,102,102,102	0
55	MG	CA	3405	1/1	0.86	0.41	-	32,32,32,32	0
55	MG	BA	2092	1/1	0.90	0.55	-	52,52,52,52	0
55	MG	AA	5165	1/1	0.86	0.58	-	62,62,62,62	0
55	MG	AX	105	1/1	0.81	0.32	-	58,58,58,58	0
55	MG	CA	3143	1/1	0.91	0.48	-	24,24,24,24	0
55	MG	AA	4589	1/1	0.89	0.34	-	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1837	1/1	0.84	0.47	-	88,88,88,88	0
55	MG	AA	5051	1/1	0.76	0.30	-	69,69,69,69	0
55	MG	AA	4880	1/1	0.94	0.20	-	34,34,34,34	0
55	MG	BA	2094	1/1	0.79	0.42	-	41,41,41,41	0
55	MG	CA	3745	1/1	0.87	0.31	-	60,60,60,60	0
55	MG	CA	3036	1/1	0.88	0.65	-	77,77,77,77	0
55	MG	DW	120	1/1	0.62	0.17	-	73,73,73,73	0
55	MG	CA	3831	1/1	0.93	0.24	-	90,90,90,90	0
55	MG	DA	2071	1/1	0.89	0.27	-	58,58,58,58	0
55	MG	CA	3826	1/1	0.90	0.24	-	61,61,61,61	0
55	MG	AA	4025	1/1	0.61	0.55	-	59,59,59,59	0
55	MG	AA	5033	1/1	0.67	0.30	-	88,88,88,88	0
55	MG	CA	4337	1/1	0.79	0.54	-	69,69,69,69	0
55	MG	AA	4475	1/1	0.96	0.06	-	53,53,53,53	0
55	MG	CA	2923	1/1	0.84	0.27	-	65,65,65,65	0
55	MG	CA	4164	1/1	0.91	0.28	-	44,44,44,44	0
55	MG	DA	1682	1/1	0.55	0.62	-	68,68,68,68	0
55	MG	AA	4331	1/1	0.97	0.31	-	34,34,34,34	0
55	MG	DA	1873	1/1	0.86	0.30	-	90,90,90,90	0
55	MG	DA	1905	1/1	0.95	0.20	-	113,113,113,113	0
55	MG	CA	2950	1/1	0.66	0.68	-	84,84,84,84	0
55	MG	AA	4087	1/1	0.81	0.37	-	86,86,86,86	0
55	MG	CA	4398	1/1	0.81	0.49	-	68,68,68,68	0
55	MG	DA	1981	1/1	0.89	0.25	-	68,68,68,68	0
55	MG	BA	1949	1/1	0.37	0.65	-	102,102,102,102	0
55	MG	CA	3317	1/1	0.94	0.09	-	60,60,60,60	0
55	MG	CA	3211	1/1	0.86	0.29	-	28,28,28,28	0
55	MG	CA	3057	1/1	0.89	0.24	-	51,51,51,51	0
55	MG	BA	1786	1/1	0.97	0.36	-	60,60,60,60	0
55	MG	CA	3069	1/1	0.90	1.03	-	98,98,98,98	0
55	MG	AA	4162	1/1	0.64	0.50	-	67,67,67,67	0
55	MG	BA	1947	1/1	0.73	0.63	-	69,69,69,69	0
55	MG	DA	2034	1/1	0.86	0.13	-	43,43,43,43	0
55	MG	AA	4900	1/1	0.94	0.34	-	47,47,47,47	0
55	MG	AA	4890	1/1	0.82	0.43	-	37,37,37,37	0
55	MG	DA	1614	1/1	0.92	0.32	-	91,91,91,91	0
55	MG	BA	1981	1/1	0.92	0.11	-	74,74,74,74	0
55	MG	CA	4293	1/1	0.81	0.32	-	60,60,60,60	0
55	MG	CA	3419	1/1	0.94	0.21	-	41,41,41,41	0
55	MG	DA	1841	1/1	0.57	1.10	-	75,75,75,75	0
55	MG	CA	2927	1/1	0.81	0.36	-	57,57,57,57	0
55	MG	BA	1974	1/1	0.61	0.34	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4141	1/1	0.92	0.41	-	65,65,65,65	0
55	MG	DA	2110	1/1	0.91	0.19	-	84,84,84,84	0
55	MG	AA	4459	1/1	0.89	0.24	-	58,58,58,58	0
55	MG	AN	203	1/1	0.86	0.15	-	64,64,64,64	0
55	MG	CA	3285	1/1	0.88	0.35	-	45,45,45,45	0
55	MG	CA	3545	1/1	0.94	0.24	-	75,75,75,75	0
55	MG	AA	4808	1/1	0.89	1.03	-	73,73,73,73	0
55	MG	CA	2906	1/1	0.92	0.42	-	66,66,66,66	0
55	MG	AA	5284	1/1	0.78	0.29	-	52,52,52,52	0
55	MG	AA	5202	1/1	0.37	0.43	-	72,72,72,72	0
55	MG	AA	4133	1/1	0.84	0.78	-	82,82,82,82	0
55	MG	CA	3428	1/1	0.88	0.17	-	35,35,35,35	0
55	MG	BA	1901	1/1	0.72	1.01	-	48,48,48,48	0
55	MG	CA	3460	1/1	0.76	0.44	-	45,45,45,45	0
55	MG	AA	4642	1/1	0.89	0.65	-	73,73,73,73	0
55	MG	CA	3655	1/1	0.82	0.62	-	63,63,63,63	0
55	MG	AA	4064	1/1	0.84	0.53	-	66,66,66,66	0
55	MG	CA	4120	1/1	0.89	0.33	-	42,42,42,42	0
55	MG	CA	3585	1/1	0.92	0.34	-	43,43,43,43	0
55	MG	CA	4311	1/1	0.93	0.27	-	65,65,65,65	0
55	MG	AA	4939	1/1	0.81	0.57	-	56,56,56,56	0
55	MG	CA	4028	1/1	0.85	0.25	-	47,47,47,47	0
55	MG	CA	4171	1/1	0.97	0.18	-	26,26,26,26	0
55	MG	AA	4746	1/1	0.69	0.25	-	71,71,71,71	0
55	MG	CA	3645	1/1	0.91	0.44	-	58,58,58,58	0
55	MG	CA	4022	1/1	0.89	0.29	-	55,55,55,55	0
55	MG	DW	117	1/1	0.83	0.19	-	74,74,74,74	0
55	MG	CA	3511	1/1	0.93	0.41	-	46,46,46,46	0
55	MG	BA	2152	1/1	0.29	0.70	-	83,83,83,83	0
55	MG	BA	2108	1/1	0.92	0.34	-	56,56,56,56	0
55	MG	AA	4978	1/1	0.61	0.14	-	99,99,99,99	0
55	MG	BA	1874	1/1	0.80	0.32	-	82,82,82,82	0
55	MG	DA	1660	1/1	0.74	0.29	-	126,126,126,126	0
55	MG	DA	2091	1/1	0.88	0.44	-	50,50,50,50	0
55	MG	BA	1958	1/1	0.92	0.27	-	45,45,45,45	0
55	MG	CV	203	1/1	0.54	0.21	-	85,85,85,85	0
55	MG	CA	4303	1/1	0.95	0.19	-	50,50,50,50	0
55	MG	BA	1616	1/1	0.89	0.40	-	65,65,65,65	0
55	MG	CA	4149	1/1	0.94	0.11	-	39,39,39,39	0
55	MG	CS	203	1/1	0.92	0.40	-	53,53,53,53	0
55	MG	CA	3696	1/1	0.90	0.20	-	47,47,47,47	0
55	MG	AA	4368	1/1	0.90	0.20	-	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3348	1/1	0.88	0.48	-	43,43,43,43	0
55	MG	BA	1986	1/1	0.86	0.20	-	56,56,56,56	0
55	MG	CA	3911	1/1	0.86	0.22	-	63,63,63,63	0
55	MG	DA	2035	1/1	0.89	0.74	-	59,59,59,59	0
55	MG	DM	201	1/1	0.81	0.25	-	69,69,69,69	0
55	MG	BA	1864	1/1	0.95	0.12	-	92,92,92,92	0
55	MG	CA	4393	1/1	0.86	0.26	-	69,69,69,69	0
55	MG	DE	202	1/1	0.81	0.30	-	73,73,73,73	0
55	MG	CA	3592	1/1	0.86	0.19	-	49,49,49,49	0
55	MG	BA	1606	1/1	0.91	0.47	-	82,82,82,82	0
55	MG	AA	4307	1/1	0.94	0.69	-	34,34,34,34	0
55	MG	CA	4162	1/1	0.84	0.27	-	62,62,62,62	0
55	MG	BA	1611	1/1	0.81	0.30	-	67,67,67,67	0
55	MG	BA	1860	1/1	0.92	0.28	-	73,73,73,73	0
55	MG	AA	5092	1/1	0.68	0.19	-	55,55,55,55	0
55	MG	CA	3762	1/1	0.92	0.27	-	78,78,78,78	0
55	MG	BA	1796	1/1	0.91	0.32	-	56,56,56,56	0
55	MG	AA	4744	1/1	0.90	0.51	-	61,61,61,61	0
55	MG	AA	4301	1/1	0.91	0.41	-	44,44,44,44	0
55	MG	BA	2130	1/1	0.80	0.66	-	33,33,33,33	0
55	MG	BA	2007	1/1	0.75	0.24	-	82,82,82,82	0
55	MG	CR	201	1/1	0.93	0.14	-	17,17,17,17	0
55	MG	AA	4735	1/1	0.92	0.18	-	43,43,43,43	0
55	MG	CA	3614	1/1	0.86	0.53	-	84,84,84,84	0
55	MG	AA	4707	1/1	0.89	0.42	-	73,73,73,73	0
55	MG	AA	5014	1/1	0.87	0.21	-	45,45,45,45	0
55	MG	CA	4379	1/1	0.78	0.35	-	59,59,59,59	0
55	MG	DA	1726	1/1	0.88	0.15	-	28,28,28,28	0
55	MG	DA	2036	1/1	0.90	0.31	-	54,54,54,54	0
55	MG	AA	4442	1/1	0.77	0.58	-	55,55,55,55	0
55	MG	CA	3042	1/1	0.79	0.35	-	67,67,67,67	0
55	MG	AA	4401	1/1	0.87	0.42	-	42,42,42,42	0
55	MG	DV	117	1/1	0.66	0.20	-	81,81,81,81	0
55	MG	AA	4816	1/1	0.87	0.28	-	82,82,82,82	0
55	MG	AA	4619	1/1	0.95	0.26	-	56,56,56,56	0
55	MG	DA	1743	1/1	0.94	0.11	-	50,50,50,50	0
55	MG	CA	3627	1/1	0.83	0.13	-	88,88,88,88	0
55	MG	BA	1926	1/1	0.92	0.14	-	82,82,82,82	0
55	MG	CA	3378	1/1	0.80	0.13	-	44,44,44,44	0
55	MG	AA	4750	1/1	0.65	0.96	-	62,62,62,62	0
55	MG	AA	5163	1/1	0.91	0.45	-	63,63,63,63	0
55	MG	CA	3881	1/1	0.65	0.57	-	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AB	225	1/1	0.89	0.19	-	89,89,89,89	0
55	MG	DV	111	1/1	0.69	0.28	-	75,75,75,75	0
55	MG	CA	3173	1/1	0.94	0.27	-	14,14,14,14	0
55	MG	AA	5218	1/1	0.90	0.30	-	51,51,51,51	0
55	MG	CA	2932	1/1	0.91	0.21	-	58,58,58,58	0
55	MG	DA	2028	1/1	0.74	0.69	-	82,82,82,82	0
55	MG	CA	4144	1/1	0.65	0.47	-	55,55,55,55	0
55	MG	DA	2199	1/1	0.69	0.31	-	59,59,59,59	0
55	MG	DA	1701	1/1	0.90	0.36	-	43,43,43,43	0
55	MG	DA	2049	1/1	0.97	0.17	-	56,56,56,56	0
55	MG	CA	3570	1/1	0.78	0.29	-	57,57,57,57	0
55	MG	CA	3432	1/1	0.80	0.33	-	32,32,32,32	0
55	MG	DA	1988	1/1	0.94	0.05	-	69,69,69,69	0
55	MG	CA	2947	1/1	0.94	0.26	-	38,38,38,38	0
55	MG	CB	249	1/1	0.90	0.27	-	50,50,50,50	0
55	MG	AA	5021	1/1	0.97	0.30	-	61,61,61,61	0
55	MG	AA	4748	1/1	0.70	0.40	-	104,104,104,104	0
55	MG	BA	2166	1/1	0.93	0.28	-	59,59,59,59	0
55	MG	AA	4621	1/1	0.95	0.29	-	68,68,68,68	0
55	MG	AA	4879	1/1	0.90	0.40	-	56,56,56,56	0
55	MG	DA	1617	1/1	0.91	0.29	-	78,78,78,78	0
55	MG	CE	306	1/1	0.82	0.30	-	64,64,64,64	0
55	MG	AA	4693	1/1	0.91	0.42	-	80,80,80,80	0
55	MG	DA	2141	1/1	0.80	0.24	-	85,85,85,85	0
55	MG	CA	3968	1/1	0.86	0.31	-	33,33,33,33	0
55	MG	BA	1609	1/1	0.86	0.56	-	88,88,88,88	0
55	MG	AA	4261	1/1	0.81	0.43	-	34,34,34,34	0
55	MG	DA	1986	1/1	0.83	0.67	-	60,60,60,60	0
55	MG	AA	4928	1/1	0.85	0.53	-	54,54,54,54	0
55	MG	CA	3975	1/1	0.90	0.47	-	34,34,34,34	0
55	MG	CA	3921	1/1	0.79	0.29	-	59,59,59,59	0
55	MG	DA	1646	1/1	0.69	0.36	-	72,72,72,72	0
55	MG	AA	5250	1/1	0.60	1.11	-	70,70,70,70	0
55	MG	CA	3471	1/1	0.95	0.35	-	71,71,71,71	0
55	MG	CA	3864	1/1	0.74	0.48	-	55,55,55,55	0
55	MG	AA	5289	1/1	0.81	0.13	-	73,73,73,73	0
55	MG	AA	5194	1/1	0.84	0.83	-	70,70,70,70	0
55	MG	DA	1631	1/1	0.84	0.51	-	71,71,71,71	0
55	MG	BV	125	1/1	0.83	0.32	-	81,81,81,81	0
55	MG	BA	1952	1/1	0.88	0.32	-	22,22,22,22	0
55	MG	AA	4493	1/1	0.92	0.16	-	53,53,53,53	0
55	MG	AA	5140	1/1	0.71	0.38	-	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4373	1/1	0.88	0.51	-	40,40,40,40	0
55	MG	CA	3111	1/1	0.97	0.32	-	12,12,12,12	0
55	MG	CA	4343	1/1	0.82	0.40	-	73,73,73,73	0
55	MG	AA	4050	1/1	0.94	0.18	-	84,84,84,84	0
55	MG	DA	1778	1/1	0.90	0.25	-	73,73,73,73	0
55	MG	CA	3097	1/1	0.88	0.26	-	60,60,60,60	0
55	MG	AA	4044	1/1	0.85	0.43	-	66,66,66,66	0
55	MG	AA	4892	1/1	0.96	0.07	-	45,45,45,45	0
55	MG	AA	4218	1/1	0.83	0.18	-	34,34,34,34	0
55	MG	AA	4623	1/1	0.87	0.43	-	69,69,69,69	0
55	MG	CA	3791	1/1	0.89	0.38	-	61,61,61,61	0
55	MG	DA	2022	1/1	0.91	0.23	-	39,39,39,39	0
55	MG	AA	4899	1/1	0.95	0.06	-	51,51,51,51	0
55	MG	AA	4375	1/1	0.61	0.47	-	61,61,61,61	0
55	MG	CA	3848	1/1	0.95	0.32	-	70,70,70,70	0
55	MG	AA	4683	1/1	0.93	0.16	-	53,53,53,53	0
55	MG	BW	115	1/1	0.83	0.18	-	70,70,70,70	0
55	MG	AA	4723	1/1	0.54	0.46	-	83,83,83,83	0
55	MG	CA	3286	1/1	0.85	0.36	-	27,27,27,27	0
55	MG	CA	3403	1/1	0.92	0.46	-	45,45,45,45	0
55	MG	BA	1984	1/1	0.87	0.09	-	69,69,69,69	0
55	MG	CA	3214	1/1	0.91	0.44	-	32,32,32,32	0
55	MG	BA	1726	1/1	0.91	0.32	-	57,57,57,57	0
55	MG	DA	2044	1/1	0.89	0.26	-	65,65,65,65	0
55	MG	AA	4222	1/1	0.91	0.33	-	23,23,23,23	0
55	MG	AA	4151	1/1	0.75	0.41	-	83,83,83,83	0
55	MG	CA	3760	1/1	0.78	0.94	-	74,74,74,74	0
55	MG	AA	4672	1/1	0.96	0.25	-	57,57,57,57	0
55	MG	BA	1640	1/1	0.69	0.34	-	75,75,75,75	0
55	MG	AA	4982	1/1	0.72	0.59	-	60,60,60,60	0
55	MG	AA	4338	1/1	0.52	0.22	-	58,58,58,58	0
55	MG	DA	1756	1/1	0.90	0.09	-	106,106,106,106	0
55	MG	DA	1859	1/1	0.67	0.22	-	91,91,91,91	0
55	MG	AA	5132	1/1	0.87	0.66	-	62,62,62,62	0
55	MG	DA	2104	1/1	0.73	0.18	-	124,124,124,124	0
55	MG	AA	4164	1/1	0.96	0.34	-	83,83,83,83	0
55	MG	BA	1922	1/1	0.80	0.35	-	54,54,54,54	0
55	MG	DA	1928	1/1	0.73	0.71	-	68,68,68,68	0
55	MG	CA	2929	1/1	0.96	0.15	-	81,81,81,81	0
55	MG	AA	5267	1/1	0.13	0.74	-	96,96,96,96	0
55	MG	DA	1693	1/1	0.84	0.57	-	18,18,18,18	0
55	MG	AA	4729	1/1	0.92	0.19	-	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	2989	1/1	0.72	0.33	-	83,83,83,83	0
55	MG	DA	1963	1/1	0.87	0.14	-	46,46,46,46	0
55	MG	CA	4213	1/1	0.34	0.61	-	70,70,70,70	0
55	MG	BA	1966	1/1	0.74	0.33	-	69,69,69,69	0
55	MG	AA	4975	1/1	0.83	0.15	-	57,57,57,57	0
55	MG	BA	2170	1/1	0.61	0.17	-	105,105,105,105	0
55	MG	DA	1899	1/1	0.83	0.17	-	71,71,71,71	0
55	MG	AA	4743	1/1	0.86	0.34	-	59,59,59,59	0
55	MG	AA	5252	1/1	0.92	0.31	-	70,70,70,70	0
55	MG	CA	4296	1/1	0.90	0.25	-	78,78,78,78	0
55	MG	DA	1747	1/1	0.83	0.60	-	56,56,56,56	0
55	MG	AA	5039	1/1	0.48	0.65	-	51,51,51,51	0
55	MG	DA	1803	1/1	0.94	0.11	-	56,56,56,56	0
55	MG	AA	4582	1/1	0.97	0.12	-	62,62,62,62	0
55	MG	CA	2979	1/1	0.88	0.60	-	74,74,74,74	0
55	MG	AA	5086	1/1	0.57	0.42	-	65,65,65,65	0
55	MG	BA	2054	1/1	0.94	0.29	-	72,72,72,72	0
55	MG	CA	4401	1/1	0.84	0.21	-	77,77,77,77	0
55	MG	BA	2103	1/1	0.80	0.42	-	38,38,38,38	0
55	MG	AA	4467	1/1	0.96	0.10	-	36,36,36,36	0
55	MG	CT	101	1/1	0.87	0.30	-	51,51,51,51	0
55	MG	AA	4817	1/1	0.72	0.09	-	98,98,98,98	0
55	MG	AA	4088	1/1	0.99	0.49	-	120,120,120,120	0
55	MG	C3	101	1/1	0.87	0.33	-	57,57,57,57	0
55	MG	AA	5005	1/1	0.79	0.29	-	61,61,61,61	0
55	MG	CA	4278	1/1	0.46	0.71	-	58,58,58,58	0
55	MG	DA	1931	1/1	0.85	0.54	-	50,50,50,50	0
55	MG	CA	2910	1/1	0.95	0.19	-	145,145,145,145	0
55	MG	AA	4945	1/1	0.67	0.46	-	58,58,58,58	0
55	MG	AA	4353	1/1	0.83	0.15	-	36,36,36,36	0
55	MG	CL	207	1/1	0.85	0.53	-	41,41,41,41	0
55	MG	CA	3582	1/1	0.90	0.29	-	49,49,49,49	0
55	MG	AA	4601	1/1	0.84	0.18	-	68,68,68,68	0
55	MG	DA	1783	1/1	0.79	0.15	-	72,72,72,72	0
55	MG	CA	3497	1/1	0.79	0.67	-	107,107,107,107	0
55	MG	CA	3165	1/1	0.66	0.61	-	26,26,26,26	0
55	MG	CA	3536	1/1	0.97	0.12	-	72,72,72,72	0
55	MG	BA	1827	1/1	0.70	0.51	-	73,73,73,73	0
55	MG	CA	4387	1/1	0.95	0.47	-	50,50,50,50	0
55	MG	CF	305	1/1	0.77	0.31	-	89,89,89,89	0
55	MG	DA	2039	1/1	0.95	0.16	-	43,43,43,43	0
55	MG	AA	4583	1/1	0.90	0.26	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	1996	1/1	0.92	0.12	-	61,61,61,61	0
55	MG	BA	1970	1/1	0.66	0.28	-	61,61,61,61	0
55	MG	AA	4150	1/1	0.74	0.40	-	86,86,86,86	0
55	MG	CA	3821	1/1	0.81	0.07	-	94,94,94,94	0
55	MG	CA	3710	1/1	0.90	0.55	-	89,89,89,89	0
55	MG	CA	3411	1/1	0.87	0.51	-	53,53,53,53	0
55	MG	CL	204	1/1	0.83	0.47	-	41,41,41,41	0
55	MG	DA	1827	1/1	0.86	0.28	-	98,98,98,98	0
55	MG	AA	4550	1/1	0.80	0.24	-	62,62,62,62	0
55	MG	AA	5244	1/1	0.75	0.39	-	68,68,68,68	0
55	MG	DA	1742	1/1	0.87	0.29	-	53,53,53,53	0
55	MG	CA	4298	1/1	0.83	0.34	-	62,62,62,62	0
55	MG	CA	3018	1/1	0.82	0.45	-	70,70,70,70	0
55	MG	CA	4271	1/1	0.87	0.33	-	29,29,29,29	0
55	MG	CA	4391	1/1	0.95	0.25	-	57,57,57,57	0
55	MG	AA	5049	1/1	0.86	0.20	-	69,69,69,69	0
55	MG	BA	2026	1/1	0.89	0.33	-	59,59,59,59	0
55	MG	BV	104	1/1	0.33	0.16	-	84,84,84,84	0
55	MG	AA	5188	1/1	0.76	0.29	-	77,77,77,77	0
55	MG	BA	1652	1/1	0.63	0.65	-	84,84,84,84	0
55	MG	DV	109	1/1	0.95	0.12	-	65,65,65,65	0
55	MG	DA	1613	1/1	0.77	0.34	-	60,60,60,60	0
55	MG	BA	1655	1/1	0.77	0.36	-	77,77,77,77	0
55	MG	CA	3662	1/1	0.99	0.68	-	76,76,76,76	0
55	MG	AA	4336	1/1	0.97	0.49	-	51,51,51,51	0
55	MG	BA	1964	1/1	0.46	0.16	-	70,70,70,70	0
55	MG	CA	3365	1/1	0.91	0.27	-	25,25,25,25	0
55	MG	CA	3543	1/1	0.97	0.17	-	47,47,47,47	0
55	MG	CA	3996	1/1	0.71	0.28	-	49,49,49,49	0
55	MG	CV	204	1/1	0.72	0.14	-	86,86,86,86	0
55	MG	AA	4057	1/1	0.60	0.77	-	71,71,71,71	0
55	MG	CA	4346	1/1	0.73	0.18	-	60,60,60,60	0
55	MG	BA	1623	1/1	0.97	0.16	-	47,47,47,47	0
55	MG	DA	1789	1/1	0.72	0.14	-	90,90,90,90	0
55	MG	BA	1852	1/1	0.53	0.77	-	121,121,121,121	0
55	MG	BV	130	1/1	0.88	0.13	-	43,43,43,43	0
55	MG	BA	2055	1/1	0.76	0.31	-	95,95,95,95	0
55	MG	CA	3000	1/1	0.88	0.57	-	37,37,37,37	0
55	MG	AA	4921	1/1	0.98	0.48	-	74,74,74,74	0
55	MG	CA	3381	1/1	0.95	0.39	-	32,32,32,32	0
55	MG	AB	250	1/1	0.83	0.23	-	68,68,68,68	0
55	MG	AA	4249	1/1	0.98	0.47	-	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CB	238	1/1	0.87	0.25	-	52,52,52,52	0
55	MG	CA	3765	1/1	0.93	0.26	-	77,77,77,77	0
55	MG	CA	4062	1/1	0.77	0.28	-	50,50,50,50	0
55	MG	CI	201	1/1	0.82	0.68	-	62,62,62,62	0
55	MG	AA	4354	1/1	0.71	0.42	-	55,55,55,55	0
55	MG	BA	2081	1/1	0.86	0.16	-	92,92,92,92	0
55	MG	AA	4733	1/1	0.93	0.12	-	20,20,20,20	0
55	MG	DA	2058	1/1	0.67	0.15	-	86,86,86,86	0
55	MG	BA	1885	1/1	0.83	0.15	-	60,60,60,60	0
55	MG	CB	257	1/1	0.73	0.76	-	81,81,81,81	0
55	MG	CA	2975	1/1	0.97	0.31	-	59,59,59,59	0
55	MG	BA	1687	1/1	0.85	0.38	-	25,25,25,25	0
55	MG	DA	2087	1/1	0.73	0.58	-	64,64,64,64	0
55	MG	CB	256	1/1	0.94	0.34	-	59,59,59,59	0
55	MG	BA	2162	1/1	0.91	0.08	-	38,38,38,38	0
55	MG	CA	3617	1/1	0.94	0.35	-	88,88,88,88	0
55	MG	DA	1995	1/1	0.59	0.50	-	71,71,71,71	0
55	MG	AA	4456	1/1	0.97	0.16	-	61,61,61,61	0
55	MG	DA	1734	1/1	0.84	0.81	-	61,61,61,61	0
55	MG	CA	4399	1/1	0.92	0.31	-	70,70,70,70	0
55	MG	DA	1625	1/1	0.89	0.41	-	81,81,81,81	0
55	MG	CA	4013	1/1	0.89	0.22	-	46,46,46,46	0
55	MG	DA	1746	1/1	0.81	0.24	-	67,67,67,67	0
55	MG	AA	4989	1/1	0.74	0.12	-	72,72,72,72	0
55	MG	CA	3517	1/1	0.60	0.61	-	71,71,71,71	0
55	MG	DA	1669	1/1	0.91	0.32	-	98,98,98,98	0
55	MG	AA	5074	1/1	0.91	0.33	-	58,58,58,58	0
55	MG	CA	4334	1/1	0.71	0.35	-	102,102,102,102	0
55	MG	DA	2135	1/1	0.82	0.17	-	93,93,93,93	0
55	MG	AA	4169	1/1	0.47	0.73	-	67,67,67,67	0
55	MG	CA	3935	1/1	0.50	0.71	-	61,61,61,61	0
55	MG	CA	3892	1/1	0.61	0.71	-	63,63,63,63	0
55	MG	AA	4695	1/1	0.81	0.13	-	65,65,65,65	0
55	MG	CA	3667	1/1	0.81	0.35	-	64,64,64,64	0
55	MG	BW	107	1/1	0.91	0.08	-	78,78,78,78	0
55	MG	AA	5149	1/1	0.80	0.26	-	36,36,36,36	0
55	MG	DA	1926	1/1	0.83	0.10	-	54,54,54,54	0
55	MG	BA	2091	1/1	0.91	0.18	-	70,70,70,70	0
55	MG	CA	3880	1/1	0.91	0.27	-	46,46,46,46	0
55	MG	DA	1644	1/1	0.90	0.12	-	92,92,92,92	0
55	MG	CA	3361	1/1	0.97	0.38	-	42,42,42,42	0
55	MG	DD	301	1/1	0.85	0.28	-	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	1771	1/1	0.91	0.12	-	29,29,29,29	0
55	MG	BA	2027	1/1	0.91	0.34	-	63,63,63,63	0
55	MG	BA	2048	1/1	0.84	0.32	-	47,47,47,47	0
55	MG	CB	215	1/1	0.92	0.26	-	28,28,28,28	0
55	MG	DA	2188	1/1	0.87	0.51	-	91,91,91,91	0
55	MG	AA	4418	1/1	0.93	0.28	-	53,53,53,53	0
55	MG	CA	3514	1/1	0.88	0.63	-	74,74,74,74	0
55	MG	DV	123	1/1	0.54	0.25	-	104,104,104,104	0
55	MG	AA	4163	1/1	0.91	0.43	-	72,72,72,72	0
55	MG	AA	4551	1/1	0.81	0.23	-	72,72,72,72	0
55	MG	AB	226	1/1	0.86	0.22	-	59,59,59,59	0
55	MG	BA	1608	1/1	0.72	0.49	-	69,69,69,69	0
55	MG	DA	2080	1/1	0.79	0.33	-	71,71,71,71	0
55	MG	CA	2994	1/1	0.60	0.56	-	49,49,49,49	0
55	MG	AA	4836	1/1	0.92	0.36	-	52,52,52,52	0
55	MG	CA	4095	1/1	0.93	0.77	-	51,51,51,51	0
55	MG	DA	1785	1/1	0.91	0.11	-	76,76,76,76	0
55	MG	AA	4644	1/1	0.87	0.52	-	75,75,75,75	0
55	MG	CA	3797	1/1	0.65	0.51	-	83,83,83,83	0
55	MG	AA	5276	1/1	0.86	0.21	-	41,41,41,41	0
55	MG	AA	4489	1/1	0.91	0.14	-	94,94,94,94	0
55	MG	CB	222	1/1	0.97	0.16	-	29,29,29,29	0
55	MG	AA	4496	1/1	0.96	0.51	-	95,95,95,95	0
55	MG	AA	4304	1/1	0.80	0.41	-	38,38,38,38	0
55	MG	CA	4138	1/1	0.97	0.24	-	49,49,49,49	0
55	MG	CA	2935	1/1	0.58	0.22	-	65,65,65,65	0
55	MG	CB	233	1/1	0.95	0.13	-	83,83,83,83	0
55	MG	BA	2102	1/1	0.50	0.57	-	80,80,80,80	0
55	MG	AA	4955	1/1	0.88	0.43	-	54,54,54,54	0
55	MG	BA	1837	1/1	0.85	0.34	-	61,61,61,61	0
55	MG	CA	3838	1/1	0.93	1.21	-	131,131,131,131	0
55	MG	BA	1626	1/1	0.59	0.50	-	81,81,81,81	0
55	MG	BA	1659	1/1	0.62	0.48	-	85,85,85,85	0
55	MG	BA	1631	1/1	0.88	0.17	-	94,94,94,94	0
55	MG	BA	1957	1/1	0.93	0.14	-	33,33,33,33	0
55	MG	AA	5151	1/1	0.82	0.33	-	58,58,58,58	0
55	MG	CA	3498	1/1	0.81	0.31	-	44,44,44,44	0
55	MG	DA	1723	1/1	0.88	0.38	-	65,65,65,65	0
55	MG	CA	3563	1/1	0.87	0.28	-	62,62,62,62	0
55	MG	CB	247	1/1	0.86	0.14	-	55,55,55,55	0
55	MG	AA	4732	1/1	0.73	1.04	-	112,112,112,112	0
55	MG	CA	4348	1/1	0.72	0.75	-	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3556	1/1	0.80	0.11	-	55,55,55,55	0
55	MG	CA	3346	1/1	0.82	0.37	-	39,39,39,39	0
55	MG	AA	5028	1/1	0.68	0.27	-	68,68,68,68	0
55	MG	DA	2163	1/1	0.90	0.28	-	66,66,66,66	0
55	MG	BA	1849	1/1	0.89	0.39	-	135,135,135,135	0
55	MG	AA	5216	1/1	0.78	0.30	-	58,58,58,58	0
55	MG	AA	4296	1/1	0.93	0.16	-	25,25,25,25	0
55	MG	CA	3919	1/1	0.88	0.25	-	51,51,51,51	0
55	MG	DA	2017	1/1	0.83	0.27	-	76,76,76,76	0
55	MG	CA	3200	1/1	0.85	0.27	-	27,27,27,27	0
55	MG	CA	4115	1/1	0.85	0.22	-	46,46,46,46	0
55	MG	AA	4199	1/1	0.95	0.42	-	10,10,10,10	0
55	MG	CA	3695	1/1	0.96	0.14	-	21,21,21,21	0
55	MG	AA	4364	1/1	0.89	0.66	-	77,77,77,77	0
55	MG	AA	4012	1/1	0.84	0.46	-	65,65,65,65	0
55	MG	CA	4204	1/1	0.82	0.48	-	49,49,49,49	0
55	MG	CA	3530	1/1	0.97	0.05	-	57,57,57,57	0
55	MG	DA	1770	1/1	0.93	0.56	-	46,46,46,46	0
55	MG	AA	4005	1/1	0.92	0.61	-	64,64,64,64	0
55	MG	CA	3488	1/1	0.88	0.26	-	55,55,55,55	0
55	MG	AA	5050	1/1	0.74	0.30	-	63,63,63,63	0
55	MG	AA	4640	1/1	0.83	0.32	-	73,73,73,73	0
55	MG	AA	5282	1/1	0.77	0.18	-	87,87,87,87	0
55	MG	AA	4768	1/1	0.91	0.37	-	83,83,83,83	0
55	MG	CA	4169	1/1	0.92	0.35	-	46,46,46,46	0
55	MG	AA	4757	1/1	0.70	0.39	-	78,78,78,78	0
55	MG	AA	4553	1/1	0.88	0.30	-	39,39,39,39	0
55	MG	CA	3414	1/1	0.95	0.13	-	42,42,42,42	0
55	MG	BW	102	1/1	0.93	0.36	-	57,57,57,57	0
55	MG	AA	4086	1/1	0.79	0.84	-	57,57,57,57	0
55	MG	DA	1686	1/1	0.76	0.11	-	97,97,97,97	0
55	MG	BA	1940	1/1	0.82	0.11	-	65,65,65,65	0
55	MG	CA	3382	1/1	0.74	0.67	-	38,38,38,38	0
55	MG	AA	5280	1/1	0.93	0.17	-	85,85,85,85	0
55	MG	AA	4703	1/1	0.61	0.28	-	92,92,92,92	0
55	MG	AA	5130	1/1	0.79	0.22	-	83,83,83,83	0
55	MG	CA	3430	1/1	0.90	0.35	-	52,52,52,52	0
55	MG	CA	3077	1/1	0.91	0.36	-	91,91,91,91	0
55	MG	CA	2939	1/1	0.87	0.41	-	47,47,47,47	0
55	MG	CA	3338	1/1	0.85	0.70	-	43,43,43,43	0
55	MG	AA	4343	1/1	0.89	0.28	-	43,43,43,43	0
55	MG	CA	4368	1/1	0.95	0.33	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3928	1/1	0.94	0.14	-	71,71,71,71	0
55	MG	AB	247	1/1	0.87	0.12	-	49,49,49,49	0
55	MG	AA	5009	1/1	0.82	0.50	-	65,65,65,65	0
55	MG	CA	3235	1/1	0.83	0.44	-	35,35,35,35	0
55	MG	CA	3268	1/1	0.91	0.52	-	35,35,35,35	0
55	MG	AA	4529	1/1	0.65	0.49	-	88,88,88,88	0
55	MG	CA	2993	1/1	0.83	0.52	-	64,64,64,64	0
55	MG	BA	2008	1/1	0.73	0.67	-	45,45,45,45	0
55	MG	AA	4310	1/1	0.72	0.48	-	37,37,37,37	0
55	MG	CA	3905	1/1	0.75	0.11	-	64,64,64,64	0
55	MG	AA	4988	1/1	0.91	0.25	-	52,52,52,52	0
55	MG	BA	1688	1/1	0.97	0.12	-	11,11,11,11	0
55	MG	DA	2195	1/1	0.70	0.84	-	78,78,78,78	0
55	MG	DA	2052	1/1	0.34	0.32	-	66,66,66,66	0
55	MG	CB	235	1/1	0.83	0.15	-	58,58,58,58	0
55	MG	BA	1920	1/1	0.79	0.17	-	92,92,92,92	0
55	MG	AA	5210	1/1	0.91	0.50	-	83,83,83,83	0
55	MG	AA	4968	1/1	0.89	0.22	-	65,65,65,65	0
55	MG	BA	1770	1/1	0.85	0.14	-	58,58,58,58	0
55	MG	CA	3318	1/1	0.88	0.32	-	29,29,29,29	0
55	MG	DA	1997	1/1	0.95	0.30	-	50,50,50,50	0
55	MG	DA	1937	1/1	0.59	0.54	-	85,85,85,85	0
55	MG	CA	3712	1/1	0.91	0.21	-	32,32,32,32	0
55	MG	AA	5036	1/1	0.91	0.29	-	45,45,45,45	0
55	MG	BA	2113	1/1	0.69	0.27	-	58,58,58,58	0
55	MG	DA	1877	1/1	0.89	0.39	-	88,88,88,88	0
55	MG	CA	3729	1/1	0.70	0.31	-	101,101,101,101	0
55	MG	CA	3451	1/1	0.99	0.07	-	35,35,35,35	0
55	MG	CA	3424	1/1	0.59	0.31	-	48,48,48,48	0
55	MG	CA	3390	1/1	0.90	0.27	-	37,37,37,37	0
55	MG	DV	114	1/1	0.64	0.26	-	68,68,68,68	0
55	MG	AA	4586	1/1	0.91	0.12	-	84,84,84,84	0
55	MG	BA	2138	1/1	0.67	0.28	-	51,51,51,51	0
55	MG	CA	3126	1/1	0.87	0.38	-	14,14,14,14	0
55	MG	AA	4092	1/1	0.90	0.19	-	50,50,50,50	0
55	MG	BA	1603	1/1	0.95	0.21	-	65,65,65,65	0
55	MG	AA	4183	1/1	0.97	0.64	-	13,13,13,13	0
55	MG	AA	4076	1/1	0.88	0.55	-	90,90,90,90	0
55	MG	AA	4125	1/1	0.71	0.40	-	66,66,66,66	0
55	MG	DA	2098	1/1	0.88	0.39	-	57,57,57,57	0
55	MG	CA	4330	1/1	0.84	0.53	-	61,61,61,61	0
55	MG	DA	2081	1/1	0.88	0.50	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BW	103	1/1	0.88	0.35	-	60,60,60,60	0
55	MG	BA	2116	1/1	0.82	0.44	-	93,93,93,93	0
55	MG	BA	2069	1/1	0.84	0.52	-	52,52,52,52	0
55	MG	BA	2017	1/1	0.95	0.13	-	48,48,48,48	0
55	MG	CA	2931	1/1	0.92	0.26	-	105,105,105,105	0
55	MG	CA	3664	1/1	0.89	0.14	-	48,48,48,48	0
55	MG	BA	1872	1/1	0.78	0.35	-	64,64,64,64	0
55	MG	CA	3160	1/1	0.91	0.66	-	44,44,44,44	0
55	MG	AA	4611	1/1	0.97	0.23	-	98,98,98,98	0
55	MG	AA	4840	1/1	0.95	0.20	-	52,52,52,52	0
55	MG	AA	5247	1/1	0.77	1.41	-	91,91,91,91	0
55	MG	DV	119	1/1	0.79	0.20	-	72,72,72,72	0
55	MG	BA	1817	1/1	0.88	0.06	-	77,77,77,77	0
55	MG	DA	1887	1/1	0.97	0.84	-	113,113,113,113	0
55	MG	CA	4224	1/1	0.77	0.19	-	58,58,58,58	0
55	MG	CA	4339	1/1	0.59	0.64	-	67,67,67,67	0
55	MG	CA	3142	1/1	0.94	0.77	-	22,22,22,22	0
55	MG	CA	3741	1/1	0.97	0.20	-	59,59,59,59	0
55	MG	DA	2182	1/1	0.91	0.26	-	75,75,75,75	0
55	MG	BA	1637	1/1	0.79	0.40	-	70,70,70,70	0
55	MG	CA	3558	1/1	0.77	0.26	-	50,50,50,50	0
55	MG	CA	3284	1/1	0.92	0.22	-	42,42,42,42	0
55	MG	AR	204	1/1	0.78	0.29	-	40,40,40,40	0
55	MG	DA	2086	1/1	0.82	0.14	-	57,57,57,57	0
55	MG	CA	3581	1/1	0.97	0.09	-	49,49,49,49	0
55	MG	BA	1787	1/1	0.73	0.22	-	98,98,98,98	0
55	MG	CA	3059	1/1	0.60	0.83	-	92,92,92,92	0
55	MG	CA	3503	1/1	0.87	0.33	-	53,53,53,53	0
55	MG	CA	3663	1/1	0.94	0.13	-	44,44,44,44	0
55	MG	BA	1911	1/1	0.65	0.44	-	73,73,73,73	0
55	MG	BA	1665	1/1	0.86	0.51	-	83,83,83,83	0
55	MG	DW	104	1/1	0.80	0.29	-	95,95,95,95	0
55	MG	AA	4947	1/1	0.75	0.48	-	61,61,61,61	0
55	MG	BW	109	1/1	0.83	0.30	-	57,57,57,57	0
55	MG	AA	4593	1/1	0.54	0.45	-	82,82,82,82	0
55	MG	DW	108	1/1	0.94	0.12	-	141,141,141,141	0
55	MG	CA	4174	1/1	0.63	0.39	-	53,53,53,53	0
55	MG	DA	2041	1/1	0.64	0.37	-	112,112,112,112	0
55	MG	AA	4860	1/1	0.88	0.08	-	66,66,66,66	0
55	MG	AA	5122	1/1	0.96	0.16	-	52,52,52,52	0
55	MG	AA	4326	1/1	0.85	0.60	-	29,29,29,29	0
55	MG	CA	3551	1/1	0.72	0.53	-	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4231	1/1	0.88	0.45	-	48,48,48,48	0
55	MG	BA	2034	1/1	0.85	0.17	-	47,47,47,47	0
55	MG	BA	1624	1/1	0.54	1.06	-	79,79,79,79	0
55	MG	BA	2148	1/1	0.81	0.15	-	88,88,88,88	0
55	MG	CA	3733	1/1	0.92	0.98	-	156,156,156,156	0
55	MG	AA	4004	1/1	0.88	0.36	-	52,52,52,52	0
55	MG	CA	3855	1/1	0.85	0.34	-	42,42,42,42	0
55	MG	CA	3206	1/1	0.93	0.35	-	24,24,24,24	0
55	MG	AA	4507	1/1	0.96	0.24	-	72,72,72,72	0
55	MG	AA	4779	1/1	0.52	0.49	-	71,71,71,71	0
55	MG	CA	3683	1/1	0.86	0.11	-	62,62,62,62	0
55	MG	CB	244	1/1	0.71	0.30	-	76,76,76,76	0
55	MG	DA	1930	1/1	0.93	0.12	-	95,95,95,95	0
55	MG	CA	4127	1/1	0.94	0.33	-	49,49,49,49	0
55	MG	AA	4106	1/1	0.69	0.25	-	54,54,54,54	0
55	MG	AA	4399	1/1	0.89	0.23	-	35,35,35,35	0
55	MG	BA	1928	1/1	0.85	0.20	-	53,53,53,53	0
55	MG	AA	4745	1/1	0.84	0.48	-	64,64,64,64	0
55	MG	BA	2000	1/1	0.88	0.22	-	76,76,76,76	0
55	MG	BA	2039	1/1	0.87	0.30	-	62,62,62,62	0
55	MG	BA	1934	1/1	0.81	0.30	-	87,87,87,87	0
55	MG	CA	3995	1/1	0.70	0.86	-	36,36,36,36	0
55	MG	DA	1854	1/1	0.81	0.47	-	47,47,47,47	0
55	MG	BA	2122	1/1	0.91	0.47	-	44,44,44,44	0
55	MG	CA	3178	1/1	0.77	0.17	-	25,25,25,25	0
55	MG	CA	2941	1/1	0.44	0.81	-	71,71,71,71	0
55	MG	AA	4126	1/1	0.90	0.45	-	95,95,95,95	0
55	MG	CA	3824	1/1	0.61	1.00	-	78,78,78,78	0
55	MG	BV	121	1/1	0.70	0.35	-	65,65,65,65	0
55	MG	CA	3347	1/1	0.78	0.37	-	60,60,60,60	0
55	MG	AA	5254	1/1	0.81	0.44	-	54,54,54,54	0
55	MG	DA	1790	1/1	0.88	0.38	-	91,91,91,91	0
55	MG	CA	4269	1/1	0.81	0.58	-	49,49,49,49	0
55	MG	CA	3375	1/1	0.85	0.08	-	59,59,59,59	0
55	MG	CA	3035	1/1	0.87	0.20	-	70,70,70,70	0
55	MG	DA	1848	1/1	0.89	0.27	-	67,67,67,67	0
55	MG	DA	1809	1/1	0.85	0.24	-	86,86,86,86	0
55	MG	AA	4520	1/1	0.91	0.19	-	67,67,67,67	0
55	MG	BA	1619	1/1	0.86	0.18	-	81,81,81,81	0
55	MG	AA	5296	1/1	0.46	0.27	-	74,74,74,74	0
55	MG	DA	1684	1/1	0.69	0.43	-	72,72,72,72	0
55	MG	CA	4036	1/1	0.75	0.13	-	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1921	1/1	0.70	0.40	-	53,53,53,53	0
55	MG	CA	3934	1/1	0.94	0.14	-	55,55,55,55	0
55	MG	AB	231	1/1	0.79	0.20	-	78,78,78,78	0
55	MG	DA	1853	1/1	0.91	0.10	-	87,87,87,87	0
55	MG	AA	4805	1/1	0.76	0.38	-	61,61,61,61	0
55	MG	AA	4198	1/1	0.90	0.28	-	46,46,46,46	0
55	MG	DA	1843	1/1	0.84	0.59	-	60,60,60,60	0
55	MG	BV	109	1/1	0.94	0.23	-	88,88,88,88	0
55	MG	CA	4349	1/1	0.67	0.42	-	84,84,84,84	0
55	MG	AA	4965	1/1	0.72	0.51	-	51,51,51,51	0
55	MG	AA	4639	1/1	0.93	0.38	-	56,56,56,56	0
55	MG	CA	4352	1/1	0.67	0.67	-	80,80,80,80	0
55	MG	CA	4099	1/1	0.86	0.33	-	47,47,47,47	0
55	MG	CA	4367	1/1	0.72	0.63	-	46,46,46,46	0
55	MG	DA	1885	1/1	0.92	0.10	-	71,71,71,71	0
55	MG	CA	3966	1/1	0.91	0.56	-	49,49,49,49	0
55	MG	CA	4106	1/1	0.69	0.16	-	49,49,49,49	0
55	MG	DA	1895	1/1	0.79	0.26	-	80,80,80,80	0
55	MG	CE	302	1/1	0.89	0.64	-	31,31,31,31	0
55	MG	BH	201	1/1	0.74	0.27	-	64,64,64,64	0
55	MG	AA	4082	1/1	0.98	0.53	-	77,77,77,77	0
55	MG	DA	1724	1/1	0.79	0.37	-	41,41,41,41	0
55	MG	CA	4378	1/1	0.86	0.30	-	42,42,42,42	0
55	MG	DA	1773	1/1	0.67	0.27	-	83,83,83,83	0
55	MG	CA	3468	1/1	0.86	0.56	-	59,59,59,59	0
55	MG	AA	4682	1/1	0.91	0.30	-	71,71,71,71	0
55	MG	DA	2116	1/1	0.87	0.39	-	89,89,89,89	0
55	MG	BA	2154	1/1	0.90	0.32	-	39,39,39,39	0
55	MG	CB	255	1/1	0.70	0.23	-	62,62,62,62	0
55	MG	AA	4506	1/1	0.87	0.23	-	65,65,65,65	0
55	MG	BA	1724	1/1	0.71	0.47	-	55,55,55,55	0
55	MG	DA	1619	1/1	0.69	0.53	-	77,77,77,77	0
55	MG	CA	3767	1/1	0.91	0.25	-	66,66,66,66	0
55	MG	AA	4675	1/1	0.89	0.28	-	52,52,52,52	0
55	MG	CA	3149	1/1	0.93	0.21	-	18,18,18,18	0
55	MG	BA	2114	1/1	0.77	0.45	-	60,60,60,60	0
55	MG	BA	1886	1/1	0.85	0.16	-	63,63,63,63	0
55	MG	BA	2025	1/1	0.81	0.31	-	62,62,62,62	0
55	MG	BA	2044	1/1	0.68	0.31	-	56,56,56,56	0
55	MG	CA	3557	1/1	0.84	0.23	-	59,59,59,59	0
55	MG	BA	2163	1/1	0.88	0.26	-	38,38,38,38	0
55	MG	DA	1779	1/1	0.83	0.08	-	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3652	1/1	0.84	0.31	-	51,51,51,51	0
55	MG	AA	5078	1/1	0.57	0.65	-	64,64,64,64	0
55	MG	CA	3659	1/1	0.94	0.05	-	52,52,52,52	0
55	MG	CA	3366	1/1	0.87	0.27	-	42,42,42,42	0
55	MG	AA	4278	1/1	0.85	0.51	-	44,44,44,44	0
55	MG	CA	2958	1/1	0.80	0.25	-	71,71,71,71	0
55	MG	AA	4108	1/1	0.80	0.31	-	61,61,61,61	0
55	MG	BA	1607	1/1	0.80	0.29	-	90,90,90,90	0
55	MG	AA	5067	1/1	0.90	0.35	-	53,53,53,53	0
55	MG	DA	1987	1/1	0.87	0.33	-	42,42,42,42	0
55	MG	CA	3486	1/1	0.97	0.07	-	61,61,61,61	0
55	MG	CA	3139	1/1	0.97	0.25	-	19,19,19,19	0
55	MG	CA	3752	1/1	0.80	0.25	-	68,68,68,68	0
55	MG	CA	3922	1/1	0.82	0.37	-	72,72,72,72	0
55	MG	DA	1996	1/1	0.89	0.67	-	51,51,51,51	0
55	MG	AR	201	1/1	0.94	0.28	-	61,61,61,61	0
55	MG	BA	1898	1/1	0.75	0.45	-	54,54,54,54	0
55	MG	CA	3835	1/1	0.71	0.27	-	69,69,69,69	0
55	MG	CA	3595	1/1	0.87	0.39	-	54,54,54,54	0
55	MG	CA	3586	1/1	-0.07	1.25	-	105,105,105,105	0
55	MG	AA	5158	1/1	0.88	0.31	-	50,50,50,50	0
55	MG	BE	204	1/1	0.84	0.19	-	46,46,46,46	0
55	MG	CA	2924	1/1	0.88	0.65	-	91,91,91,91	0
55	MG	DA	1846	1/1	0.94	0.34	-	133,133,133,133	0
55	MG	AA	4665	1/1	0.48	0.31	-	78,78,78,78	0
55	MG	AA	5269	1/1	0.83	0.74	-	109,109,109,109	0
55	MG	AA	4211	1/1	0.93	0.21	-	21,21,21,21	0
55	MG	CB	245	1/1	0.75	0.28	-	51,51,51,51	0
55	MG	CA	3455	1/1	0.43	0.72	-	60,60,60,60	0
55	MG	CA	3408	1/1	0.92	0.33	-	41,41,41,41	0
55	MG	DA	1680	1/1	0.65	0.37	-	83,83,83,83	0
55	MG	CA	3715	1/1	0.92	0.19	-	59,59,59,59	0
55	MG	BA	2101	1/1	0.69	0.33	-	59,59,59,59	0
55	MG	CA	4186	1/1	0.82	0.37	-	47,47,47,47	0
55	MG	CA	4177	1/1	0.76	0.36	-	54,54,54,54	0
55	MG	CA	2907	1/1	0.77	0.74	-	70,70,70,70	0
55	MG	BA	1727	1/1	0.91	0.55	-	48,48,48,48	0
55	MG	CV	202	1/1	0.81	0.12	-	78,78,78,78	0
55	MG	BA	2139	1/1	0.65	0.98	-	96,96,96,96	0
55	MG	CA	2967	1/1	0.96	0.32	-	73,73,73,73	0
55	MG	AA	4488	1/1	0.80	0.36	-	50,50,50,50	0
55	MG	DA	1728	1/1	0.79	0.31	-	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CX	103	1/1	0.88	0.19	-	31,31,31,31	0
55	MG	AA	5000	1/1	0.71	0.39	-	50,50,50,50	0
55	MG	BA	2132	1/1	0.71	0.47	-	82,82,82,82	0
55	MG	CA	4294	1/1	0.61	0.49	-	94,94,94,94	0
55	MG	AA	5121	1/1	0.61	0.14	-	78,78,78,78	0
55	MG	CA	3121	1/1	0.98	0.29	-	11,11,11,11	0
55	MG	CA	3482	1/1	0.85	0.24	-	47,47,47,47	0
55	MG	AA	5094	1/1	0.77	0.17	-	55,55,55,55	0
55	MG	AA	4785	1/1	0.93	0.20	-	68,68,68,68	0
55	MG	DA	1927	1/1	0.66	0.42	-	92,92,92,92	0
55	MG	BA	1748	1/1	0.94	0.56	-	57,57,57,57	0
55	MG	AA	5263	1/1	0.92	0.28	-	58,58,58,58	0
55	MG	CA	3596	1/1	0.81	0.18	-	79,79,79,79	0
55	MG	CA	4404	1/1	0.69	0.74	-	66,66,66,66	0
55	MG	CA	3169	1/1	0.89	0.54	-	21,21,21,21	0
55	MG	CA	3546	1/1	0.78	0.44	-	55,55,55,55	0
55	MG	CA	4004	1/1	0.73	0.74	-	48,48,48,48	0
55	MG	DA	1796	1/1	0.96	0.10	-	62,62,62,62	0
55	MG	CA	3303	1/1	0.93	0.48	-	28,28,28,28	0
55	MG	BA	2005	1/1	0.84	0.20	-	63,63,63,63	0
55	MG	AA	4052	1/1	0.88	0.33	-	72,72,72,72	0
55	MG	CA	4194	1/1	0.70	0.43	-	78,78,78,78	0
55	MG	CA	3438	1/1	0.69	0.22	-	54,54,54,54	0
55	MG	AA	4907	1/1	0.82	0.30	-	42,42,42,42	0
55	MG	BA	2105	1/1	0.76	0.28	-	96,96,96,96	0
55	MG	AA	4811	1/1	0.93	0.23	-	60,60,60,60	0
55	MG	DA	1862	1/1	0.86	0.51	-	75,75,75,75	0
55	MG	BA	2003	1/1	0.61	0.34	-	49,49,49,49	0
55	MG	BA	1755	1/1	0.92	0.24	-	40,40,40,40	0
55	MG	AA	4104	1/1	0.93	0.30	-	91,91,91,91	0
55	MG	CA	2911	1/1	0.98	0.44	-	64,64,64,64	0
55	MG	CA	3661	1/1	0.80	0.14	-	63,63,63,63	0
55	MG	AA	4391	1/1	0.78	0.63	-	63,63,63,63	0
55	MG	BA	2072	1/1	0.93	0.73	-	64,64,64,64	0
55	MG	BA	1933	1/1	0.88	0.15	-	64,64,64,64	0
55	MG	DA	2101	1/1	0.59	0.27	-	155,155,155,155	0
55	MG	CA	4369	1/1	0.41	0.51	-	111,111,111,111	0
55	MG	DA	1675	1/1	0.94	0.67	-	49,49,49,49	0
55	MG	CA	3642	1/1	0.88	0.32	-	46,46,46,46	0
55	MG	DW	111	1/1	-0.47	0.14	-	136,136,136,136	0
55	MG	AA	5006	1/1	0.89	0.46	-	47,47,47,47	0
55	MG	CA	3955	1/1	0.83	0.37	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3277	1/1	0.84	0.31	-	49,49,49,49	0
55	MG	AA	4895	1/1	0.81	0.21	-	70,70,70,70	0
55	MG	CA	3879	1/1	0.80	0.33	-	43,43,43,43	0
55	MG	AA	5084	1/1	0.92	0.13	-	57,57,57,57	0
55	MG	AA	4217	1/1	0.88	0.84	-	43,43,43,43	0
55	MG	CB	240	1/1	0.83	0.51	-	54,54,54,54	0
55	MG	BA	2151	1/1	0.74	0.41	-	76,76,76,76	0
55	MG	CB	206	1/1	0.83	0.14	-	61,61,61,61	0
55	MG	BV	111	1/1	0.62	0.24	-	65,65,65,65	0
55	MG	BA	1877	1/1	0.85	0.21	-	84,84,84,84	0
55	MG	AA	4425	1/1	0.79	0.39	-	66,66,66,66	0
55	MG	AA	4796	1/1	0.80	0.35	-	64,64,64,64	0
55	MG	AA	4751	1/1	0.58	0.31	-	96,96,96,96	0
55	MG	CA	3737	1/1	0.98	0.44	-	91,91,91,91	0
55	MG	CA	4147	1/1	0.62	0.57	-	64,64,64,64	0
55	MG	BA	2064	1/1	0.96	0.41	-	79,79,79,79	0
55	MG	CA	3048	1/1	0.85	0.33	-	88,88,88,88	0
55	MG	AA	5144	1/1	0.89	0.38	-	59,59,59,59	0
55	MG	AA	4926	1/1	0.84	0.30	-	53,53,53,53	0
55	MG	DA	2126	1/1	0.68	0.41	-	59,59,59,59	0
55	MG	AA	4802	1/1	0.85	0.30	-	82,82,82,82	0
55	MG	CA	2977	1/1	0.05	0.88	-	88,88,88,88	0
55	MG	CA	3508	1/1	0.98	0.12	-	89,89,89,89	0
55	MG	AA	5214	1/1	0.46	0.33	-	54,54,54,54	0
55	MG	BA	1960	1/1	0.88	0.35	-	35,35,35,35	0
55	MG	BA	1633	1/1	0.91	0.11	-	101,101,101,101	0
55	MG	AA	4513	1/1	0.87	0.26	-	42,42,42,42	0
55	MG	DA	1965	1/1	0.90	0.27	-	39,39,39,39	0
55	MG	CA	4170	1/1	0.92	0.44	-	53,53,53,53	0
55	MG	CA	3997	1/1	0.49	0.27	-	51,51,51,51	0
55	MG	DA	1857	1/1	0.79	0.30	-	79,79,79,79	0
55	MG	CA	4297	1/1	0.88	0.38	-	49,49,49,49	0
55	MG	CA	4015	1/1	0.83	0.18	-	53,53,53,53	0
55	MG	AA	5107	1/1	0.93	0.26	-	38,38,38,38	0
55	MG	CV	201	1/1	0.54	0.45	-	78,78,78,78	0
55	MG	CB	264	1/1	0.89	0.18	-	62,62,62,62	0
55	MG	CA	3422	1/1	0.81	0.75	-	44,44,44,44	0
55	MG	AA	5099	1/1	0.37	0.25	-	111,111,111,111	0
55	MG	AA	4115	1/1	0.68	0.25	-	86,86,86,86	0
55	MG	AA	4311	1/1	0.86	0.55	-	60,60,60,60	0
55	MG	AA	4790	1/1	0.87	0.26	-	43,43,43,43	0
55	MG	CA	3101	1/1	0.91	0.61	-	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4077	1/1	0.86	0.30	-	62,62,62,62	0
55	MG	CA	4209	1/1	0.79	0.55	-	55,55,55,55	0
55	MG	AA	4637	1/1	0.96	0.16	-	79,79,79,79	0
55	MG	DA	1685	1/1	0.77	0.25	-	59,59,59,59	0
55	MG	AA	5207	1/1	0.84	0.29	-	65,65,65,65	0
55	MG	BA	2090	1/1	0.81	0.82	-	55,55,55,55	0
55	MG	BA	1912	1/1	0.91	0.31	-	57,57,57,57	0
55	MG	CA	4090	1/1	0.94	0.37	-	58,58,58,58	0
55	MG	DA	1869	1/1	0.94	0.16	-	59,59,59,59	0
55	MG	DA	1616	1/1	0.83	0.19	-	113,113,113,113	0
55	MG	AA	5213	1/1	0.91	0.33	-	60,60,60,60	0
55	MG	CA	3706	1/1	0.76	0.41	-	48,48,48,48	0
55	MG	CA	3904	1/1	0.82	0.23	-	98,98,98,98	0
55	MG	CB	213	1/1	0.88	0.24	-	65,65,65,65	0
55	MG	CA	3071	1/1	0.81	0.67	-	66,66,66,66	0
55	MG	AA	4476	1/1	0.80	0.31	-	61,61,61,61	0
55	MG	BA	1919	1/1	0.90	0.31	-	59,59,59,59	0
55	MG	BA	1994	1/1	0.81	0.34	-	52,52,52,52	0
55	MG	BA	1839	1/1	0.95	0.31	-	105,105,105,105	0
55	MG	AA	4706	1/1	0.90	0.45	-	58,58,58,58	0
55	MG	BA	1987	1/1	0.90	0.28	-	47,47,47,47	0
55	MG	CA	3516	1/1	0.87	0.16	-	46,46,46,46	0
55	MG	AA	4297	1/1	0.83	0.75	-	53,53,53,53	0
55	MG	CA	4029	1/1	0.97	0.08	-	58,58,58,58	0
55	MG	AA	5030	1/1	0.91	0.18	-	45,45,45,45	0
55	MG	AA	4225	1/1	0.97	0.15	-	44,44,44,44	0
55	MG	CA	3654	1/1	0.82	0.13	-	56,56,56,56	0
55	MG	CA	2996	1/1	0.75	0.70	-	55,55,55,55	0
55	MG	AR	202	1/1	0.90	0.68	-	78,78,78,78	0
55	MG	CA	4308	1/1	0.67	0.16	-	83,83,83,83	0
55	MG	CA	4189	1/1	0.86	0.48	-	49,49,49,49	0
55	MG	CA	3159	1/1	0.85	0.33	-	24,24,24,24	0
55	MG	AA	4875	1/1	0.95	0.23	-	57,57,57,57	0
55	MG	AA	4630	1/1	0.78	0.34	-	72,72,72,72	0
55	MG	CA	3916	1/1	0.39	0.24	-	73,73,73,73	0
55	MG	DV	110	1/1	0.95	0.14	-	55,55,55,55	0
55	MG	CA	4280	1/1	0.73	0.50	-	84,84,84,84	0
55	MG	CA	3889	1/1	0.84	0.13	-	59,59,59,59	0
55	MG	CA	2914	1/1	0.64	0.72	-	66,66,66,66	0
55	MG	CA	3221	1/1	0.93	0.42	-	37,37,37,37	0
55	MG	AA	5201	1/1	0.60	0.46	-	49,49,49,49	0
55	MG	AA	4521	1/1	0.74	0.15	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5206	1/1	0.76	0.39	-	78,78,78,78	0
55	MG	CA	3865	1/1	0.86	0.33	-	55,55,55,55	0
55	MG	BA	2153	1/1	0.94	0.14	-	38,38,38,38	0
55	MG	CA	3550	1/1	0.85	0.47	-	41,41,41,41	0
55	MG	DA	2096	1/1	0.82	0.19	-	38,38,38,38	0
55	MG	DA	2123	1/1	0.61	0.55	-	94,94,94,94	0
55	MG	DA	1605	1/1	0.80	0.35	-	80,80,80,80	0
55	MG	DA	2089	1/1	0.75	0.36	-	58,58,58,58	0
55	MG	AA	5203	1/1	0.87	0.26	-	80,80,80,80	0
55	MG	AA	4715	1/1	0.78	0.98	-	80,80,80,80	0
55	MG	DA	1754	1/1	0.78	0.18	-	69,69,69,69	0
55	MG	BV	108	1/1	0.96	0.10	-	54,54,54,54	0
55	MG	CA	3535	1/1	0.72	0.45	-	53,53,53,53	0
55	MG	AA	4820	1/1	0.91	0.25	-	44,44,44,44	0
55	MG	CA	4260	1/1	0.91	0.35	-	46,46,46,46	0
55	MG	CA	4237	1/1	0.71	0.36	-	55,55,55,55	0
55	MG	CA	3757	1/1	0.89	0.27	-	92,92,92,92	0
55	MG	AA	5142	1/1	0.74	0.61	-	69,69,69,69	0
55	MG	CA	3539	1/1	0.78	0.12	-	78,78,78,78	0
55	MG	AA	4478	1/1	0.92	0.27	-	44,44,44,44	0
55	MG	DA	1762	1/1	0.92	0.17	-	79,79,79,79	0
55	MG	AA	4062	1/1	0.85	0.53	-	126,126,126,126	0
55	MG	CA	3203	1/1	0.93	0.38	-	35,35,35,35	0
55	MG	CA	3330	1/1	0.94	0.72	-	69,69,69,69	0
55	MG	BA	1948	1/1	0.84	0.87	-	85,85,85,85	0
55	MG	CB	227	1/1	0.73	0.26	-	76,76,76,76	0
55	MG	BA	1850	1/1	0.91	0.10	-	48,48,48,48	0
55	MG	AA	4797	1/1	0.74	0.53	-	50,50,50,50	0
55	MG	DA	2037	1/1	0.58	0.69	-	95,95,95,95	0
55	MG	AA	4374	1/1	0.75	0.28	-	46,46,46,46	0
55	MG	AA	4669	1/1	0.95	0.55	-	116,116,116,116	0
55	MG	AA	4159	1/1	0.67	0.96	-	77,77,77,77	0
55	MG	BA	1956	1/1	0.85	0.26	-	50,50,50,50	0
55	MG	AA	4096	1/1	0.57	0.44	-	70,70,70,70	0
55	MG	AA	4765	1/1	0.86	1.00	-	59,59,59,59	0
55	MG	AA	4973	1/1	0.69	0.48	-	65,65,65,65	0
55	MG	AA	4934	1/1	0.95	0.23	-	41,41,41,41	0
55	MG	CA	3493	1/1	0.63	0.59	-	57,57,57,57	0
55	MG	DA	2113	1/1	0.79	0.23	-	46,46,46,46	0
55	MG	CA	4268	1/1	0.93	0.70	-	53,53,53,53	0
55	MG	CA	4181	1/1	0.56	0.25	-	57,57,57,57	0
55	MG	CA	4314	1/1	0.90	0.18	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3778	1/1	0.91	0.29	-	106,106,106,106	0
55	MG	AA	4522	1/1	0.97	0.18	-	76,76,76,76	0
55	MG	BA	1721	1/1	0.87	0.09	-	46,46,46,46	0
55	MG	DA	1761	1/1	0.70	0.74	-	76,76,76,76	0
55	MG	AA	4471	1/1	0.70	0.36	-	53,53,53,53	0
55	MG	DA	2008	1/1	0.90	0.38	-	70,70,70,70	0
55	MG	CA	3074	1/1	0.93	0.27	-	39,39,39,39	0
55	MG	CA	4172	1/1	0.85	0.32	-	43,43,43,43	0
55	MG	BA	2073	1/1	0.87	0.10	-	68,68,68,68	0
55	MG	CA	4288	1/1	0.91	0.58	-	53,53,53,53	0
55	MG	BA	1759	1/1	0.90	0.15	-	46,46,46,46	0
55	MG	DA	1939	1/1	0.08	1.20	-	214,214,214,214	0
55	MG	CA	3388	1/1	0.60	0.51	-	61,61,61,61	0
55	MG	DA	2021	1/1	0.91	0.43	-	49,49,49,49	0
55	MG	BA	1917	1/1	0.79	0.41	-	73,73,73,73	0
55	MG	CA	4048	1/1	0.75	0.24	-	65,65,65,65	0
55	MG	AA	5273	1/1	0.80	0.33	-	75,75,75,75	0
55	MG	CA	4365	1/1	0.85	0.29	-	84,84,84,84	0
55	MG	CA	3389	1/1	0.82	0.14	-	46,46,46,46	0
55	MG	AB	245	1/1	0.81	0.41	-	63,63,63,63	0
55	MG	DA	2161	1/1	0.80	0.35	-	61,61,61,61	0
55	MG	BA	2033	1/1	0.53	0.55	-	56,56,56,56	0
55	MG	CA	3406	1/1	0.89	0.31	-	49,49,49,49	0
55	MG	DA	1815	1/1	0.87	0.30	-	75,75,75,75	0
55	MG	AA	4491	1/1	0.98	0.09	-	74,74,74,74	0
55	MG	CA	3945	1/1	0.65	0.87	-	65,65,65,65	0
55	MG	CA	3983	1/1	0.90	0.28	-	18,18,18,18	0
55	MG	CA	4096	1/1	0.81	0.33	-	72,72,72,72	0
55	MG	AA	4887	1/1	0.83	0.28	-	40,40,40,40	0
55	MG	AA	4699	1/1	0.93	0.26	-	60,60,60,60	0
55	MG	AA	4873	1/1	0.88	0.41	-	34,34,34,34	0
55	MG	CA	3003	1/1	0.74	0.10	-	69,69,69,69	0
55	MG	CA	3544	1/1	0.76	0.35	-	53,53,53,53	0
55	MG	AA	4500	1/1	0.84	0.55	-	63,63,63,63	0
55	MG	AA	4778	1/1	0.91	0.24	-	69,69,69,69	0
55	MG	CA	4158	1/1	0.80	0.32	-	83,83,83,83	0
55	MG	CA	3369	1/1	0.97	0.24	-	67,67,67,67	0
55	MG	AA	4322	1/1	0.86	0.10	-	43,43,43,43	0
55	MG	AA	4853	1/1	0.79	0.14	-	52,52,52,52	0
55	MG	BA	1866	1/1	0.74	0.34	-	57,57,57,57	0
55	MG	BV	122	1/1	0.50	0.39	-	97,97,97,97	0
55	MG	DA	1999	1/1	0.54	0.54	-	108,108,108,108	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1688	1/1	0.83	0.34	-	58,58,58,58	0
55	MG	CA	4263	1/1	0.70	0.42	-	61,61,61,61	0
55	MG	CA	4059	1/1	0.91	0.12	-	42,42,42,42	0
55	MG	AA	4722	1/1	0.91	0.27	-	56,56,56,56	0
55	MG	AA	4232	1/1	0.94	0.04	-	40,40,40,40	0
55	MG	CA	4217	1/1	0.90	0.27	-	41,41,41,41	0
55	MG	AM	201	1/1	0.74	0.39	-	62,62,62,62	0
55	MG	AA	5056	1/1	0.90	0.46	-	63,63,63,63	0
55	MG	AS	202	1/1	0.85	0.28	-	56,56,56,56	0
55	MG	CA	3150	1/1	0.92	0.47	-	23,23,23,23	0
55	MG	CA	3776	1/1	0.30	0.26	-	95,95,95,95	0
55	MG	CA	3887	1/1	0.88	0.42	-	48,48,48,48	0
55	MG	AA	4596	1/1	0.82	0.39	-	103,103,103,103	0
55	MG	CA	2933	1/1	0.92	0.29	-	50,50,50,50	0
55	MG	CA	3526	1/1	0.92	0.22	-	64,64,64,64	0
55	MG	AA	4916	1/1	0.69	0.39	-	58,58,58,58	0
55	MG	CA	3937	1/1	0.86	0.20	-	52,52,52,52	0
55	MG	CA	3269	1/1	0.71	0.35	-	40,40,40,40	0
55	MG	DA	1907	1/1	0.79	0.69	-	71,71,71,71	0
55	MG	CA	3841	1/1	0.64	0.17	-	71,71,71,71	0
55	MG	CA	3538	1/1	0.92	0.35	-	50,50,50,50	0
55	MG	AA	4730	1/1	0.81	0.24	-	73,73,73,73	0
55	MG	DA	1968	1/1	0.93	0.17	-	56,56,56,56	0
55	MG	CA	3953	1/1	0.91	0.30	-	36,36,36,36	0
55	MG	DA	1998	1/1	0.80	0.39	-	59,59,59,59	0
55	MG	BA	2127	1/1	0.61	0.76	-	69,69,69,69	0
55	MG	CA	3939	1/1	0.85	0.51	-	65,65,65,65	0
55	MG	BV	115	1/1	0.56	0.33	-	107,107,107,107	0
55	MG	CA	3804	1/1	0.23	0.41	-	97,97,97,97	0
55	MG	AA	4572	1/1	0.83	0.44	-	61,61,61,61	0
55	MG	DA	1674	1/1	0.91	0.23	-	85,85,85,85	0
55	MG	BA	1802	1/1	0.78	0.34	-	66,66,66,66	0
55	MG	CA	4131	1/1	0.78	0.26	-	70,70,70,70	0
55	MG	AA	5239	1/1	0.65	0.76	-	69,69,69,69	0
55	MG	CA	3542	1/1	0.84	0.29	-	63,63,63,63	0
55	MG	DA	1971	1/1	0.88	0.19	-	45,45,45,45	0
55	MG	AA	4346	1/1	0.93	0.53	-	49,49,49,49	0
55	MG	AA	4645	1/1	0.88	0.17	-	57,57,57,57	0
55	MG	AA	5077	1/1	0.93	0.84	-	57,57,57,57	0
55	MG	CA	2922	1/1	0.78	0.27	-	56,56,56,56	0
55	MG	AA	4043	1/1	0.92	0.27	-	52,52,52,52	0
55	MG	CJ	202	1/1	0.90	0.20	-	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4686	1/1	0.81	0.42	-	81,81,81,81	0
55	MG	DA	1671	1/1	0.62	0.76	-	78,78,78,78	0
55	MG	CA	4315	1/1	0.92	0.19	-	58,58,58,58	0
55	MG	DX	101	1/1	0.84	0.33	-	62,62,62,62	0
55	MG	DA	2112	1/1	0.79	0.33	-	55,55,55,55	0
55	MG	AA	4762	1/1	0.86	0.62	-	113,113,113,113	0
55	MG	CB	248	1/1	0.88	0.57	-	63,63,63,63	0
55	MG	BA	1733	1/1	0.80	0.69	-	54,54,54,54	0
55	MG	CA	3276	1/1	0.88	0.56	-	58,58,58,58	0
55	MG	AA	4940	1/1	0.91	0.97	-	48,48,48,48	0
55	MG	AA	4549	1/1	0.69	0.42	-	39,39,39,39	0
55	MG	AA	4740	1/1	0.88	1.35	-	103,103,103,103	0
55	MG	AA	4136	1/1	0.88	0.20	-	91,91,91,91	0
55	MG	DW	101	1/1	0.93	0.13	-	70,70,70,70	0
55	MG	BA	2169	1/1	0.84	0.33	-	72,72,72,72	0
55	MG	AA	4901	1/1	0.78	0.18	-	42,42,42,42	0
55	MG	AA	4668	1/1	0.90	0.30	-	74,74,74,74	0
55	MG	DA	2063	1/1	0.80	0.13	-	77,77,77,77	0
55	MG	BA	1961	1/1	0.94	0.22	-	51,51,51,51	0
55	MG	AA	5029	1/1	0.84	0.09	-	111,111,111,111	0
55	MG	BA	1636	1/1	0.92	0.20	-	56,56,56,56	0
55	MG	AA	5162	1/1	0.67	0.17	-	47,47,47,47	0
55	MG	BA	2049	1/1	0.69	0.26	-	59,59,59,59	0
55	MG	AA	5177	1/1	0.67	0.47	-	63,63,63,63	0
55	MG	AA	4995	1/1	0.88	0.12	-	71,71,71,71	0
55	MG	AA	4349	1/1	0.93	0.48	-	56,56,56,56	0
55	MG	AA	4812	1/1	0.94	0.17	-	62,62,62,62	0
55	MG	CA	3454	1/1	0.68	0.26	-	55,55,55,55	0
55	MG	AA	4986	1/1	0.68	0.50	-	65,65,65,65	0
55	MG	CA	4199	1/1	0.68	0.17	-	70,70,70,70	0
55	MG	AA	4182	1/1	0.96	0.33	-	17,17,17,17	0
55	MG	BA	2078	1/1	0.85	0.08	-	79,79,79,79	0
55	MG	BA	1978	1/1	0.91	0.32	-	48,48,48,48	0
55	MG	DV	103	1/1	0.83	0.22	-	79,79,79,79	0
55	MG	AA	5171	1/1	0.91	0.27	-	53,53,53,53	0
55	MG	CA	4087	1/1	0.86	0.20	-	49,49,49,49	0
55	MG	AA	5228	1/1	0.54	0.86	-	73,73,73,73	0
55	MG	BA	1651	1/1	0.96	0.26	-	64,64,64,64	0
55	MG	AA	4632	1/1	0.58	0.38	-	81,81,81,81	0
55	MG	CA	4363	1/1	0.88	0.14	-	58,58,58,58	0
55	MG	CA	3080	1/1	0.73	0.45	-	65,65,65,65	0
55	MG	AA	5070	1/1	0.95	0.16	-	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4984	1/1	0.91	0.30	-	39,39,39,39	0
55	MG	AA	4909	1/1	0.84	0.30	-	57,57,57,57	0
55	MG	CA	2999	1/1	0.86	0.14	-	85,85,85,85	0
55	MG	CA	3525	1/1	0.78	0.81	-	61,61,61,61	0
55	MG	BA	2053	1/1	0.79	0.47	-	64,64,64,64	0
55	MG	BA	2158	1/1	0.87	0.23	-	59,59,59,59	0
55	MG	DA	1602	1/1	0.28	1.36	-	94,94,94,94	0
55	MG	CA	2969	1/1	0.93	0.29	-	73,73,73,73	0
55	MG	CA	3355	1/1	0.78	0.28	-	54,54,54,54	0
55	MG	AA	4298	1/1	0.95	0.57	-	47,47,47,47	0
55	MG	DA	1938	1/1	0.85	0.09	-	128,128,128,128	0
55	MG	AM	203	1/1	0.90	0.19	-	55,55,55,55	0
55	MG	CA	4113	1/1	0.96	0.24	-	32,32,32,32	0
55	MG	BV	105	1/1	0.87	0.14	-	56,56,56,56	0
55	MG	DA	1884	1/1	0.97	0.15	-	71,71,71,71	0
55	MG	CA	3353	1/1	0.83	0.73	-	50,50,50,50	0
55	MG	BA	1816	1/1	0.59	0.14	-	86,86,86,86	0
55	MG	AB	244	1/1	0.89	0.27	-	100,100,100,100	0
55	MG	CA	4331	1/1	0.85	0.22	-	51,51,51,51	0
55	MG	CA	3483	1/1	0.93	0.24	-	52,52,52,52	0
55	MG	AA	5164	1/1	0.60	0.08	-	125,125,125,125	0
55	MG	AA	4498	1/1	0.96	0.28	-	77,77,77,77	0
55	MG	AA	4109	1/1	0.80	0.79	-	59,59,59,59	0
55	MG	CA	3501	1/1	0.79	0.34	-	65,65,65,65	0
55	MG	DA	2169	1/1	0.73	0.43	-	54,54,54,54	0
55	MG	AA	5193	1/1	0.93	0.69	-	66,66,66,66	0
55	MG	BA	1909	1/1	0.75	0.27	-	67,67,67,67	0
55	MG	CA	3730	1/1	0.73	0.20	-	74,74,74,74	0
55	MG	BA	1682	1/1	0.57	0.10	-	105,105,105,105	0
55	MG	BA	1962	1/1	0.82	0.57	-	49,49,49,49	0
55	MG	BA	1807	1/1	0.85	0.91	-	77,77,77,77	0
55	MG	CA	3322	1/1	0.72	1.40	-	66,66,66,66	0
55	MG	DA	1849	1/1	0.69	0.28	-	65,65,65,65	0
55	MG	CA	3404	1/1	0.94	0.18	-	36,36,36,36	0
55	MG	CA	3860	1/1	0.87	0.34	-	46,46,46,46	0
55	MG	CA	3043	1/1	0.83	0.12	-	95,95,95,95	0
55	MG	DA	2203	1/1	0.78	0.33	-	53,53,53,53	0
55	MG	CA	4286	1/1	0.94	0.27	-	58,58,58,58	0
55	MG	DA	1947	1/1	0.85	0.25	-	84,84,84,84	0
55	MG	CA	3342	1/1	0.89	0.21	-	48,48,48,48	0
55	MG	CA	4234	1/1	0.85	0.28	-	46,46,46,46	0
55	MG	CB	229	1/1	0.86	0.18	-	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3494	1/1	0.83	0.29	-	40,40,40,40	0
55	MG	CA	3850	1/1	0.89	0.26	-	89,89,89,89	0
55	MG	CA	3385	1/1	0.95	0.39	-	69,69,69,69	0
55	MG	CA	4261	1/1	0.72	0.37	-	48,48,48,48	0
55	MG	CA	3984	1/1	0.77	0.21	-	65,65,65,65	0
55	MG	AA	5090	1/1	0.78	0.80	-	73,73,73,73	0
55	MG	AA	4366	1/1	0.91	0.29	-	57,57,57,57	0
55	MG	CA	4133	1/1	0.78	0.41	-	51,51,51,51	0
55	MG	AA	4542	1/1	0.91	0.31	-	63,63,63,63	0
55	MG	DA	2157	1/1	0.72	0.34	-	31,31,31,31	0
55	MG	AA	4524	1/1	0.70	0.46	-	87,87,87,87	0
55	MG	AA	5108	1/1	0.73	0.29	-	66,66,66,66	0
55	MG	AA	4135	1/1	0.47	0.67	-	127,127,127,127	0
55	MG	AA	4455	1/1	0.97	0.29	-	72,72,72,72	0
55	MG	AA	4956	1/1	0.84	0.25	-	55,55,55,55	0
55	MG	CA	3426	1/1	0.82	0.44	-	39,39,39,39	0
55	MG	AA	5232	1/1	0.75	0.33	-	76,76,76,76	0
55	MG	BA	2165	1/1	0.78	0.30	-	66,66,66,66	0
55	MG	DA	2114	1/1	0.89	0.29	-	74,74,74,74	0
55	MG	BA	1913	1/1	0.58	0.75	-	84,84,84,84	0
55	MG	CA	4396	1/1	0.77	0.18	-	90,90,90,90	0
55	MG	BA	1722	1/1	0.76	0.29	-	43,43,43,43	0
55	MG	AA	4822	1/1	0.32	0.84	-	87,87,87,87	0
55	MG	CA	3520	1/1	0.85	0.63	-	57,57,57,57	0
55	MG	CA	3986	1/1	0.74	0.66	-	38,38,38,38	0
55	MG	AA	4684	1/1	0.08	0.62	-	73,73,73,73	0
55	MG	AA	4299	1/1	0.90	0.69	-	45,45,45,45	0
55	MG	CA	3901	1/1	0.84	0.38	-	58,58,58,58	0
55	MG	CA	3249	1/1	0.93	0.21	-	40,40,40,40	0
55	MG	CA	3862	1/1	0.72	0.42	-	44,44,44,44	0
55	MG	CA	4201	1/1	0.91	0.39	-	35,35,35,35	0
55	MG	CA	2905	1/1	0.86	0.72	-	89,89,89,89	0
55	MG	BA	2140	1/1	0.76	0.42	-	88,88,88,88	0
55	MG	CA	3933	1/1	0.84	0.30	-	52,52,52,52	0
55	MG	CA	4108	1/1	0.91	1.02	-	57,57,57,57	0
55	MG	BA	1879	1/1	0.32	0.88	-	94,94,94,94	0
55	MG	CA	3030	1/1	0.85	0.25	-	61,61,61,61	0
55	MG	AA	5032	1/1	0.58	0.50	-	65,65,65,65	0
55	MG	AA	4274	1/1	0.96	0.13	-	50,50,50,50	0
55	MG	CA	4356	1/1	0.80	0.68	-	60,60,60,60	0
55	MG	DA	2053	1/1	0.92	0.20	-	92,92,92,92	0
55	MG	CA	2970	1/1	0.84	0.29	-	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4277	1/1	0.92	0.22	-	72,72,72,72	0
55	MG	AA	5061	1/1	0.84	0.50	-	49,49,49,49	0
55	MG	CA	3628	1/1	0.83	0.83	-	69,69,69,69	0
55	MG	DA	2030	1/1	0.94	0.11	-	26,26,26,26	0
55	MG	DA	1733	1/1	0.91	0.13	-	68,68,68,68	0
55	MG	AA	4819	1/1	0.76	0.34	-	77,77,77,77	0
55	MG	CA	3004	1/1	0.75	1.07	-	89,89,89,89	0
55	MG	CA	3337	1/1	0.98	0.14	-	58,58,58,58	0
55	MG	AA	4470	1/1	0.81	0.32	-	62,62,62,62	0
55	MG	AA	4341	1/1	0.92	0.21	-	38,38,38,38	0
55	MG	AA	4993	1/1	0.86	1.05	-	59,59,59,59	0
55	MG	CA	3833	1/1	0.73	0.23	-	75,75,75,75	0
55	MG	AA	4318	1/1	0.87	1.08	-	56,56,56,56	0
55	MG	AA	4291	1/1	0.89	0.55	-	46,46,46,46	0
55	MG	BA	2056	1/1	0.86	0.17	-	72,72,72,72	0
55	MG	CA	3108	1/1	0.99	0.29	-	8,8,8,8	0
55	MG	CA	3456	1/1	0.88	0.25	-	51,51,51,51	0
55	MG	AA	5147	1/1	0.61	0.43	-	61,61,61,61	0
55	MG	AA	4616	1/1	0.55	0.43	-	140,140,140,140	0
55	MG	AA	5114	1/1	0.94	0.12	-	53,53,53,53	0
55	MG	DA	1955	1/1	0.80	0.20	-	24,24,24,24	0
55	MG	CA	3448	1/1	0.92	0.32	-	40,40,40,40	0
55	MG	DV	108	1/1	0.83	0.36	-	111,111,111,111	0
55	MG	DA	1673	1/1	0.61	0.59	-	90,90,90,90	0
55	MG	CA	2909	1/1	0.98	0.26	-	67,67,67,67	0
55	MG	CA	3899	1/1	0.86	0.32	-	71,71,71,71	0
55	MG	BA	2096	1/1	0.89	0.38	-	76,76,76,76	0
55	MG	DA	1924	1/1	0.65	0.51	-	90,90,90,90	0
55	MG	DA	2103	1/1	0.87	0.22	-	80,80,80,80	0
55	MG	AA	4749	1/1	0.73	0.54	-	51,51,51,51	0
55	MG	CA	3915	1/1	0.47	0.76	-	80,80,80,80	0
55	MG	BA	1742	1/1	0.79	0.24	-	60,60,60,60	0
55	MG	AA	5285	1/1	0.91	0.23	-	55,55,55,55	0
55	MG	CA	4232	1/1	0.92	0.14	-	73,73,73,73	0
55	MG	DA	2168	1/1	0.83	0.28	-	54,54,54,54	0
55	MG	AA	4773	1/1	0.73	0.55	-	69,69,69,69	0
55	MG	BA	1620	1/1	0.95	0.43	-	62,62,62,62	0
55	MG	CA	3923	1/1	0.81	0.34	-	63,63,63,63	0
55	MG	AA	4547	1/1	0.93	0.30	-	83,83,83,83	0
55	MG	CA	3965	1/1	0.79	0.20	-	42,42,42,42	0
55	MG	CA	3383	1/1	0.89	0.20	-	38,38,38,38	0
55	MG	CA	4262	1/1	0.86	0.55	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1708	1/1	0.91	0.29	-	46,46,46,46	0
55	MG	CA	2925	1/1	0.54	0.18	-	128,128,128,128	0
55	MG	AA	4944	1/1	0.70	0.32	-	53,53,53,53	0
55	MG	AA	4981	1/1	0.95	0.17	-	34,34,34,34	0
55	MG	DA	2077	1/1	0.81	0.31	-	109,109,109,109	0
55	MG	AK	201	1/1	0.94	0.34	-	56,56,56,56	0
55	MG	CA	4402	1/1	0.64	0.24	-	94,94,94,94	0
55	MG	BA	1863	1/1	0.75	0.42	-	56,56,56,56	0
55	MG	CA	3774	1/1	0.91	0.18	-	55,55,55,55	0
55	MG	CA	3263	1/1	0.92	0.20	-	36,36,36,36	0
55	MG	BV	103	1/1	0.82	1.06	-	66,66,66,66	0
55	MG	DA	1860	1/1	0.85	0.28	-	74,74,74,74	0
55	MG	DA	1751	1/1	0.87	0.71	-	58,58,58,58	0
55	MG	CA	4259	1/1	0.85	0.48	-	35,35,35,35	0
55	MG	AA	4184	1/1	0.90	0.51	-	19,19,19,19	0
55	MG	BA	1738	1/1	0.93	0.16	-	25,25,25,25	0
55	MG	CA	3480	1/1	0.87	0.69	-	49,49,49,49	0
55	MG	CA	3476	1/1	0.89	0.74	-	74,74,74,74	0
55	MG	AA	4863	1/1	0.81	0.69	-	51,51,51,51	0
55	MG	CA	4190	1/1	0.64	0.39	-	51,51,51,51	0
55	MG	BV	117	1/1	0.93	0.23	-	43,43,43,43	0
55	MG	CB	252	1/1	0.89	0.23	-	64,64,64,64	0
55	MG	BA	2071	1/1	0.80	0.16	-	71,71,71,71	0
55	MG	CA	4052	1/1	0.81	0.69	-	60,60,60,60	0
55	MG	CA	2936	1/1	0.88	0.29	-	61,61,61,61	0
55	MG	AA	4884	1/1	0.85	0.20	-	47,47,47,47	0
55	MG	CA	4012	1/1	0.91	0.20	-	40,40,40,40	0
55	MG	DA	1615	1/1	0.94	0.20	-	104,104,104,104	0
55	MG	AA	5253	1/1	0.74	0.13	-	90,90,90,90	0
55	MG	CA	3301	1/1	0.78	0.34	-	35,35,35,35	0
55	MG	CA	3062	1/1	0.74	0.66	-	68,68,68,68	0
55	MG	BA	1829	1/1	0.93	0.25	-	87,87,87,87	0
55	MG	CA	4212	1/1	0.84	0.23	-	44,44,44,44	0
55	MG	CA	4326	1/1	0.52	0.58	-	57,57,57,57	0
55	MG	CA	3943	1/1	0.86	0.29	-	114,114,114,114	0
55	MG	BA	2131	1/1	0.86	0.42	-	70,70,70,70	0
55	MG	A4	103	1/1	0.84	0.51	-	76,76,76,76	0
55	MG	CA	3532	1/1	0.70	0.56	-	64,64,64,64	0
55	MG	CA	3606	1/1	0.78	0.36	-	55,55,55,55	0
55	MG	CA	3575	1/1	0.91	0.22	-	36,36,36,36	0
55	MG	CA	3648	1/1	0.86	0.30	-	41,41,41,41	0
55	MG	AA	4137	1/1	0.82	0.93	-	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5172	1/1	0.88	0.17	-	65,65,65,65	0
55	MG	DA	1718	1/1	0.87	0.59	-	43,43,43,43	0
55	MG	CB	265	1/1	0.86	0.31	-	55,55,55,55	0
55	MG	AA	4728	1/1	0.90	0.34	-	60,60,60,60	0
55	MG	DA	1642	1/1	0.90	0.28	-	87,87,87,87	0
55	MG	AA	4281	1/1	0.91	0.39	-	44,44,44,44	0
55	MG	DA	2159	1/1	0.84	0.29	-	63,63,63,63	0
55	MG	DA	2165	1/1	0.81	0.56	-	61,61,61,61	0
55	MG	AA	4562	1/1	0.88	0.13	-	73,73,73,73	0
55	MG	DA	1748	1/1	0.78	0.44	-	73,73,73,73	0
55	MG	AA	5100	1/1	0.58	0.47	-	91,91,91,91	0
55	MG	AA	5112	1/1	0.81	0.56	-	47,47,47,47	0
55	MG	CA	3782	1/1	0.72	0.71	-	76,76,76,76	0
55	MG	BA	1752	1/1	0.69	0.58	-	69,69,69,69	0
55	MG	CA	2961	1/1	0.91	0.31	-	78,78,78,78	0
55	MG	AA	4416	1/1	0.84	0.90	-	56,56,56,56	0
55	MG	AF	303	1/1	0.73	0.38	-	62,62,62,62	0
55	MG	AA	4979	1/1	0.17	0.68	-	83,83,83,83	0
55	MG	AA	4533	1/1	0.92	0.73	-	64,64,64,64	0
55	MG	CA	3906	1/1	0.83	0.30	-	47,47,47,47	0
55	MG	AA	4834	1/1	0.89	0.21	-	50,50,50,50	0
55	MG	AA	4653	1/1	0.68	0.46	-	90,90,90,90	0
55	MG	AA	4671	1/1	0.91	0.19	-	122,122,122,122	0
55	MG	AB	242	1/1	0.92	0.20	-	62,62,62,62	0
55	MG	AA	4924	1/1	0.64	0.28	-	78,78,78,78	0
55	MG	AA	4147	1/1	0.75	0.37	-	75,75,75,75	0
55	MG	CA	3705	1/1	0.82	0.40	-	84,84,84,84	0
55	MG	CA	3354	1/1	0.91	1.11	-	52,52,52,52	0
55	MG	CA	3469	1/1	0.93	0.20	-	50,50,50,50	0
55	MG	AA	4124	1/1	0.87	0.39	-	75,75,75,75	0
55	MG	AF	305	1/1	0.89	0.28	-	45,45,45,45	0
55	MG	CA	3594	1/1	0.83	0.27	-	55,55,55,55	0
55	MG	BA	1749	1/1	0.90	0.18	-	50,50,50,50	0
55	MG	CA	3402	1/1	0.89	0.19	-	63,63,63,63	0
55	MG	BA	1729	1/1	0.91	0.34	-	53,53,53,53	0
55	MG	DA	1634	1/1	0.91	0.77	-	79,79,79,79	0
55	MG	DA	1871	1/1	0.74	0.10	-	69,69,69,69	0
55	MG	AA	5199	1/1	0.96	0.18	-	49,49,49,49	0
55	MG	AA	4428	1/1	0.90	0.16	-	36,36,36,36	0
55	MG	BA	1856	1/1	0.94	0.24	-	85,85,85,85	0
55	MG	CA	3218	1/1	0.82	0.47	-	23,23,23,23	0
55	MG	CA	2944	1/1	0.35	0.73	-	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4086	1/1	0.95	0.20	-	43,43,43,43	0
55	MG	BA	1841	1/1	0.70	0.34	-	60,60,60,60	0
55	MG	BA	2023	1/1	0.89	0.24	-	45,45,45,45	0
55	MG	AA	4409	1/1	0.78	0.12	-	83,83,83,83	0
55	MG	CA	3513	1/1	0.83	0.15	-	52,52,52,52	0
55	MG	DA	1757	1/1	0.96	0.56	-	73,73,73,73	0
55	MG	CA	3982	1/1	0.97	0.12	-	57,57,57,57	0
55	MG	CA	3576	1/1	0.95	0.33	-	37,37,37,37	0
55	MG	CB	210	1/1	0.91	0.24	-	81,81,81,81	0
55	MG	BA	2082	1/1	0.74	0.47	-	54,54,54,54	0
55	MG	BA	2160	1/1	0.68	0.37	-	91,91,91,91	0
55	MG	AA	5131	1/1	0.68	0.17	-	86,86,86,86	0
55	MG	C2	102	1/1	0.94	0.56	-	49,49,49,49	0
55	MG	AA	4277	1/1	0.93	0.19	-	41,41,41,41	0
55	MG	DA	1670	1/1	0.93	0.16	-	136,136,136,136	0
55	MG	CA	3870	1/1	0.88	0.35	-	51,51,51,51	0
55	MG	AA	5235	1/1	0.73	0.53	-	67,67,67,67	0
55	MG	DA	1945	1/1	0.88	0.21	-	78,78,78,78	0
55	MG	CA	3784	1/1	0.91	0.21	-	82,82,82,82	0
55	MG	DA	2068	1/1	0.50	0.20	-	105,105,105,105	0
55	MG	AA	4158	1/1	0.83	0.31	-	100,100,100,100	0
55	MG	CA	3293	1/1	0.83	0.37	-	45,45,45,45	0
55	MG	AB	224	1/1	0.41	0.18	-	94,94,94,94	0
55	MG	DA	1720	1/1	0.89	0.61	-	66,66,66,66	0
55	MG	CA	2913	1/1	0.94	0.48	-	77,77,77,77	0
55	MG	CA	3515	1/1	0.79	0.28	-	42,42,42,42	0
55	MG	AA	5268	1/1	0.71	0.55	-	62,62,62,62	0
55	MG	BA	2117	1/1	0.86	0.20	-	56,56,56,56	0
55	MG	AA	4474	1/1	0.94	0.13	-	42,42,42,42	0
55	MG	AA	5251	1/1	0.75	0.49	-	55,55,55,55	0
55	MG	BA	1720	1/1	0.71	0.33	-	54,54,54,54	0
55	MG	BA	1991	1/1	0.73	0.29	-	62,62,62,62	0
55	MG	CA	3453	1/1	0.73	0.46	-	49,49,49,49	0
55	MG	CA	3553	1/1	0.89	0.62	-	48,48,48,48	0
55	MG	BA	1790	1/1	0.72	0.16	-	109,109,109,109	0
55	MG	AA	4205	1/1	0.95	0.47	-	18,18,18,18	0
55	MG	AA	4486	1/1	0.94	0.14	-	60,60,60,60	0
55	MG	CA	3814	1/1	0.76	0.37	-	76,76,76,76	0
55	MG	AA	4659	1/1	0.86	0.47	-	69,69,69,69	0
55	MG	CA	3701	1/1	0.95	0.09	-	66,66,66,66	0
55	MG	DA	2106	1/1	0.41	0.31	-	94,94,94,94	0
55	MG	AB	218	1/1	0.73	0.85	-	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	1924	1/1	0.83	0.35	-	53,53,53,53	0
55	MG	CA	3694	1/1	0.90	0.18	-	76,76,76,76	0
55	MG	DA	2027	1/1	0.80	0.53	-	57,57,57,57	0
55	MG	CA	3754	1/1	0.78	0.29	-	67,67,67,67	0
55	MG	CA	4328	1/1	0.88	0.68	-	76,76,76,76	0
55	MG	AA	4815	1/1	0.92	0.13	-	102,102,102,102	0
55	MG	AB	236	1/1	0.91	0.22	-	64,64,64,64	0
55	MG	AA	5174	1/1	0.77	0.38	-	63,63,63,63	0
55	MG	DA	1647	1/1	0.99	0.09	-	57,57,57,57	0
55	MG	CA	4226	1/1	0.81	0.23	-	50,50,50,50	0
55	MG	AA	4568	1/1	0.78	0.34	-	41,41,41,41	0
55	MG	CA	3140	1/1	0.90	0.26	-	8,8,8,8	0
55	MG	DA	1683	1/1	0.76	0.36	-	98,98,98,98	0
55	MG	CA	3863	1/1	0.95	0.13	-	50,50,50,50	0
55	MG	AA	4661	1/1	0.96	0.68	-	97,97,97,97	0
55	MG	CA	4070	1/1	0.66	0.56	-	46,46,46,46	0
55	MG	AA	4288	1/1	0.96	0.43	-	35,35,35,35	0
55	MG	CA	4230	1/1	0.94	0.31	-	53,53,53,53	0
55	MG	CA	2992	1/1	0.91	0.32	-	60,60,60,60	0
55	MG	AA	4067	1/1	0.67	0.72	-	82,82,82,82	0
55	MG	AA	5287	1/1	0.80	0.38	-	58,58,58,58	0
55	MG	AA	4355	1/1	0.77	1.35	-	69,69,69,69	0
55	MG	CA	3443	1/1	0.92	0.56	-	55,55,55,55	0
55	MG	AA	5237	1/1	0.93	0.44	-	37,37,37,37	0
55	MG	AA	4544	1/1	0.96	0.38	-	69,69,69,69	0
55	MG	DA	1707	1/1	0.90	0.26	-	41,41,41,41	0
55	MG	CA	3946	1/1	0.83	0.32	-	51,51,51,51	0
55	MG	BA	1821	1/1	0.88	0.65	-	81,81,81,81	0
55	MG	AA	5260	1/1	0.90	0.15	-	58,58,58,58	0
55	MG	CA	3993	1/1	0.93	0.38	-	37,37,37,37	0
55	MG	AA	4923	1/1	0.57	0.73	-	64,64,64,64	0
55	MG	AA	5274	1/1	0.94	0.22	-	66,66,66,66	0
55	MG	BA	2020	1/1	0.90	0.20	-	61,61,61,61	0
55	MG	AA	4408	1/1	0.89	0.25	-	50,50,50,50	0
55	MG	AA	5143	1/1	0.59	0.42	-	71,71,71,71	0
55	MG	DA	1917	1/1	0.21	0.09	-	143,143,143,143	0
55	MG	DG	201	1/1	0.81	0.38	-	73,73,73,73	0
55	MG	BA	1774	1/1	0.85	0.18	-	57,57,57,57	0
55	MG	CA	3022	1/1	0.79	0.68	-	56,56,56,56	0
55	MG	AA	4323	1/1	0.95	0.31	-	31,31,31,31	0
55	MG	DA	1893	1/1	0.70	0.37	-	65,65,65,65	0
55	MG	BA	1694	1/1	0.97	0.59	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4753	1/1	0.86	0.19	-	51,51,51,51	0
55	MG	AA	4143	1/1	0.91	0.15	-	128,128,128,128	0
55	MG	CA	3610	1/1	0.93	0.32	-	67,67,67,67	0
55	MG	BA	1976	1/1	0.95	0.21	-	29,29,29,29	0
55	MG	CA	4359	1/1	0.75	0.45	-	56,56,56,56	0
55	MG	AA	4055	1/1	0.72	0.38	-	92,92,92,92	0
55	MG	CA	4045	1/1	0.83	0.22	-	49,49,49,49	0
55	MG	AA	4041	1/1	0.82	0.17	-	57,57,57,57	0
55	MG	CA	3307	1/1	0.93	0.23	-	46,46,46,46	0
55	MG	BA	2149	1/1	0.81	0.19	-	70,70,70,70	0
55	MG	AA	4325	1/1	0.88	0.26	-	44,44,44,44	0
55	MG	CA	3788	1/1	0.77	0.50	-	57,57,57,57	0
55	MG	AA	4960	1/1	0.95	0.07	-	55,55,55,55	0
55	MG	AA	4347	1/1	0.74	0.35	-	54,54,54,54	0
55	MG	AA	4922	1/1	0.87	0.12	-	67,67,67,67	0
55	MG	AA	4031	1/1	0.81	0.21	-	109,109,109,109	0
55	MG	BL	202	1/1	0.93	0.43	-	47,47,47,47	0
55	MG	BA	2036	1/1	0.89	0.18	-	74,74,74,74	0
55	MG	CA	4245	1/1	0.86	0.32	-	43,43,43,43	0
55	MG	CA	3746	1/1	0.90	0.63	-	62,62,62,62	0
55	MG	CA	3827	1/1	0.81	0.33	-	70,70,70,70	0
55	MG	BA	1746	1/1	0.94	0.19	-	48,48,48,48	0
55	MG	AA	4951	1/1	0.74	0.34	-	64,64,64,64	0
55	MG	CA	3034	1/1	0.80	0.54	-	43,43,43,43	0
55	MG	CA	3938	1/1	0.70	0.43	-	64,64,64,64	0
55	MG	BA	2024	1/1	0.77	0.09	-	68,68,68,68	0
55	MG	AA	5133	1/1	0.86	0.43	-	74,74,74,74	0
55	MG	BA	1614	1/1	0.87	0.56	-	83,83,83,83	0
55	MG	DA	1978	1/1	0.88	0.43	-	51,51,51,51	0
55	MG	DA	1902	1/1	0.85	0.51	-	70,70,70,70	0
55	MG	CA	3070	1/1	0.71	0.39	-	39,39,39,39	0
55	MG	BA	1638	1/1	0.89	0.22	-	65,65,65,65	0
55	MG	AA	4046	1/1	0.90	0.28	-	108,108,108,108	0
55	MG	AA	4417	1/1	0.86	0.30	-	55,55,55,55	0
55	MG	CA	3310	1/1	0.76	0.52	-	48,48,48,48	0
55	MG	CA	3410	1/1	0.84	0.17	-	44,44,44,44	0
55	MG	AA	4093	1/1	0.69	0.32	-	104,104,104,104	0
55	MG	BA	1818	1/1	0.57	0.99	-	75,75,75,75	0
55	MG	BA	2052	1/1	0.63	0.35	-	81,81,81,81	0
55	MG	DA	1994	1/1	0.81	0.24	-	63,63,63,63	0
55	MG	CA	3798	1/1	0.82	0.38	-	98,98,98,98	0
55	MG	AA	4878	1/1	0.85	0.47	-	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	2159	1/1	0.90	0.20	-	63,63,63,63	0
55	MG	CA	3611	1/1	0.96	0.43	-	49,49,49,49	0
55	MG	AA	5110	1/1	0.62	0.45	-	60,60,60,60	0
55	MG	DA	1806	1/1	0.54	0.21	-	69,69,69,69	0
55	MG	CA	3152	1/1	0.97	0.50	-	22,22,22,22	0
55	MG	CA	3298	1/1	0.89	0.45	-	56,56,56,56	0
55	MG	AA	4537	1/1	0.86	0.38	-	58,58,58,58	0
55	MG	CA	4219	1/1	0.91	0.82	-	78,78,78,78	0
55	MG	BA	1931	1/1	0.68	0.74	-	61,61,61,61	0
55	MG	BA	1998	1/1	0.95	0.33	-	52,52,52,52	0
55	MG	AA	4719	1/1	0.89	0.25	-	74,74,74,74	0
55	MG	AA	4759	1/1	0.68	0.52	-	55,55,55,55	0
55	MG	CA	3888	1/1	0.59	0.42	-	73,73,73,73	0
55	MG	AA	4618	1/1	0.81	0.25	-	64,64,64,64	0
55	MG	AB	211	1/1	0.81	0.66	-	62,62,62,62	0
55	MG	AA	4554	1/1	0.83	0.39	-	73,73,73,73	0
55	MG	CA	3222	1/1	0.93	0.35	-	38,38,38,38	0
55	MG	AA	4847	1/1	0.94	0.47	-	37,37,37,37	0
55	MG	AA	4842	1/1	0.64	0.50	-	111,111,111,111	0
55	MG	AA	4414	1/1	0.93	0.18	-	35,35,35,35	0
55	MG	BA	1667	1/1	0.85	0.59	-	50,50,50,50	0
55	MG	CA	3500	1/1	0.72	0.70	-	69,69,69,69	0
55	MG	CA	4247	1/1	0.95	0.19	-	46,46,46,46	0
55	MG	CA	3671	1/1	0.91	0.33	-	87,87,87,87	0
55	MG	CA	4254	1/1	0.82	0.37	-	61,61,61,61	0
55	MG	CA	3401	1/1	0.78	0.43	-	55,55,55,55	0
55	MG	CA	3872	1/1	0.91	0.68	-	55,55,55,55	0
55	MG	DA	1883	1/1	0.73	0.38	-	75,75,75,75	0
55	MG	BA	2141	1/1	0.56	0.37	-	85,85,85,85	0
55	MG	AA	4105	1/1	0.94	0.41	-	52,52,52,52	0
55	MG	DA	2073	1/1	0.85	0.19	-	60,60,60,60	0
55	MG	DA	1658	1/1	0.89	0.31	-	87,87,87,87	0
55	MG	AA	4662	1/1	0.81	0.39	-	77,77,77,77	0
55	MG	BA	1767	1/1	0.87	0.33	-	39,39,39,39	0
55	MG	AA	5057	1/1	0.90	0.35	-	53,53,53,53	0
55	MG	AA	4643	1/1	0.74	0.21	-	65,65,65,65	0
55	MG	AA	4629	1/1	0.73	0.25	-	112,112,112,112	0
55	MG	BA	2015	1/1	0.88	0.42	-	53,53,53,53	0
55	MG	CA	4035	1/1	0.53	0.47	-	50,50,50,50	0
55	MG	CA	3079	1/1	0.53	0.33	-	103,103,103,103	0
55	MG	DA	1975	1/1	0.92	0.16	-	43,43,43,43	0
55	MG	AA	4689	1/1	0.84	0.28	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3639	1/1	0.93	0.16	-	78,78,78,78	0
55	MG	CA	4208	1/1	0.84	0.18	-	68,68,68,68	0
55	MG	CA	4256	1/1	0.95	0.12	-	70,70,70,70	0
55	MG	CA	3357	1/1	0.92	0.48	-	25,25,25,25	0
55	MG	CA	3929	1/1	0.80	0.24	-	53,53,53,53	0
55	MG	AA	4685	1/1	0.91	0.23	-	63,63,63,63	0
55	MG	DA	1648	1/1	0.72	0.48	-	68,68,68,68	0
55	MG	CA	3259	1/1	0.81	0.44	-	39,39,39,39	0
55	MG	BV	119	1/1	0.95	0.85	-	142,142,142,142	0
55	MG	CA	3647	1/1	0.77	0.42	-	69,69,69,69	0
55	MG	AA	5256	1/1	0.81	0.38	-	55,55,55,55	0
55	MG	AA	5219	1/1	0.76	0.44	-	79,79,79,79	0
55	MG	BA	2002	1/1	0.69	0.65	-	71,71,71,71	0
55	MG	C5	102	1/1	0.89	0.35	-	55,55,55,55	0
55	MG	CA	3764	1/1	0.56	0.61	-	75,75,75,75	0
55	MG	DA	1609	1/1	0.92	0.34	-	88,88,88,88	0
55	MG	AA	4702	1/1	0.72	0.47	-	89,89,89,89	0
55	MG	CA	3518	1/1	0.88	0.11	-	75,75,75,75	0
55	MG	CA	3630	1/1	0.98	0.12	-	47,47,47,47	0
55	MG	AA	5230	1/1	0.84	0.15	-	102,102,102,102	0
55	MG	AA	4694	1/1	0.75	0.34	-	92,92,92,92	0
55	MG	AA	4918	1/1	0.67	0.59	-	54,54,54,54	0
55	MG	BA	2070	1/1	0.85	0.64	-	66,66,66,66	0
55	MG	AA	4267	1/1	0.76	0.40	-	50,50,50,50	0
55	MG	BA	1942	1/1	0.78	0.28	-	77,77,77,77	0
55	MG	BA	2135	1/1	0.83	0.27	-	76,76,76,76	0
55	MG	BA	1865	1/1	0.90	0.20	-	86,86,86,86	0
55	MG	AA	4100	1/1	0.86	0.50	-	58,58,58,58	0
55	MG	BA	1628	1/1	0.64	0.92	-	99,99,99,99	0
55	MG	AA	4048	1/1	0.92	0.18	-	62,62,62,62	0
55	MG	CA	4077	1/1	0.83	0.39	-	47,47,47,47	0
55	MG	AA	5178	1/1	0.63	0.44	-	74,74,74,74	0
55	MG	CA	3067	1/1	0.86	0.24	-	73,73,73,73	0
55	MG	CA	3231	1/1	0.96	0.23	-	19,19,19,19	0
55	MG	AA	5042	1/1	0.88	0.38	-	57,57,57,57	0
55	MG	AA	4876	1/1	0.85	0.40	-	57,57,57,57	0
55	MG	AA	4213	1/1	0.94	0.21	-	18,18,18,18	0
55	MG	AA	5185	1/1	0.73	0.37	-	102,102,102,102	0
55	MG	AA	4861	1/1	0.74	0.11	-	79,79,79,79	0
55	MG	CA	3878	1/1	0.85	0.42	-	67,67,67,67	0
55	MG	CA	3858	1/1	0.60	0.44	-	53,53,53,53	0
55	MG	CA	3445	1/1	0.84	0.49	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4055	1/1	0.83	0.25	-	49,49,49,49	0
55	MG	BA	1914	1/1	0.61	0.28	-	82,82,82,82	0
55	MG	CA	3930	1/1	0.79	0.36	-	74,74,74,74	0
55	MG	AA	5294	1/1	0.71	0.25	-	61,61,61,61	0
55	MG	AA	4157	1/1	0.81	0.41	-	64,64,64,64	0
55	MG	CA	3623	1/1	0.66	0.51	-	69,69,69,69	0
55	MG	BA	1927	1/1	0.89	0.14	-	59,59,59,59	0
55	MG	AA	4664	1/1	0.73	0.44	-	74,74,74,74	0
55	MG	BA	1883	1/1	0.84	0.22	-	77,77,77,77	0
55	MG	AA	4094	1/1	0.85	0.44	-	62,62,62,62	0
55	MG	AA	4950	1/1	0.93	0.17	-	51,51,51,51	0
55	MG	CA	3692	1/1	0.59	0.83	-	65,65,65,65	0
55	MG	DA	2088	1/1	0.78	0.28	-	94,94,94,94	0
55	MG	CA	3913	1/1	0.79	0.26	-	77,77,77,77	0
55	MG	CA	3462	1/1	0.68	0.49	-	64,64,64,64	0
55	MG	BU	101	1/1	0.81	0.34	-	109,109,109,109	0
55	MG	CA	3054	1/1	0.51	1.37	-	68,68,68,68	0
55	MG	AA	4967	1/1	0.81	0.14	-	60,60,60,60	0
55	MG	AB	234	1/1	0.91	0.10	-	44,44,44,44	0
55	MG	DA	1622	1/1	0.66	0.56	-	77,77,77,77	0
55	MG	CA	3053	1/1	0.80	0.95	-	81,81,81,81	0
55	MG	AA	4315	1/1	0.82	0.95	-	55,55,55,55	0
55	MG	DA	1663	1/1	0.88	0.23	-	64,64,64,64	0
55	MG	AA	4761	1/1	0.85	0.18	-	64,64,64,64	0
55	MG	BA	2125	1/1	0.31	0.81	-	84,84,84,84	0
55	MG	CA	4125	1/1	0.90	0.37	-	76,76,76,76	0
55	MG	AA	4312	1/1	0.90	0.39	-	41,41,41,41	0
55	MG	BA	1645	1/1	0.67	0.45	-	86,86,86,86	0
55	MG	DA	2162	1/1	0.60	0.34	-	72,72,72,72	0
55	MG	CA	3023	1/1	0.72	0.29	-	64,64,64,64	0
55	MG	AA	5227	1/1	0.83	0.24	-	75,75,75,75	0
55	MG	AA	5080	1/1	0.76	0.29	-	56,56,56,56	0
55	MG	CA	4124	1/1	0.93	0.22	-	48,48,48,48	0
55	MG	AA	4385	1/1	0.91	0.23	-	54,54,54,54	0
55	MG	AV	201	1/1	0.86	0.16	-	62,62,62,62	0
55	MG	CA	3334	1/1	0.84	0.51	-	32,32,32,32	0
55	MG	CA	3548	1/1	0.87	0.35	-	55,55,55,55	0
55	MG	BA	1740	1/1	0.92	0.20	-	51,51,51,51	0
55	MG	DA	1868	1/1	0.95	0.51	-	58,58,58,58	0
55	MG	AA	4953	1/1	0.39	0.13	-	85,85,85,85	0
55	MG	DA	2122	1/1	0.20	0.31	-	150,150,150,150	0
55	MG	CA	4049	1/1	0.80	0.27	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1863	1/1	0.79	0.65	-	86,86,86,86	0
55	MG	AA	4734	1/1	0.87	0.31	-	21,21,21,21	0
55	MG	CA	3446	1/1	0.87	0.48	-	53,53,53,53	0
55	MG	DA	1882	1/1	0.92	0.53	-	77,77,77,77	0
55	MG	CB	207	1/1	0.80	0.38	-	75,75,75,75	0
55	MG	AA	4799	1/1	0.86	0.34	-	37,37,37,37	0
55	MG	AA	5089	1/1	0.67	0.35	-	57,57,57,57	0
55	MG	CB	251	1/1	0.90	0.26	-	61,61,61,61	0
55	MG	DA	1956	1/1	0.94	0.18	-	40,40,40,40	0
55	MG	CA	3998	1/1	0.87	0.23	-	35,35,35,35	0
55	MG	BA	1969	1/1	0.79	0.32	-	60,60,60,60	0
55	MG	CA	4382	1/1	0.85	0.27	-	65,65,65,65	0
55	MG	CA	3973	1/1	0.93	0.18	-	23,23,23,23	0
55	MG	AA	5015	1/1	0.92	0.19	-	46,46,46,46	0
55	MG	CA	4011	1/1	0.92	0.14	-	30,30,30,30	0
55	MG	CA	3932	1/1	0.72	0.42	-	54,54,54,54	0
55	MG	BV	114	1/1	0.80	0.19	-	70,70,70,70	0
55	MG	BW	108	1/1	0.82	0.15	-	93,93,93,93	0
55	MG	CA	3045	1/1	0.96	0.40	-	53,53,53,53	0
55	MG	AA	4387	1/1	0.92	0.41	-	35,35,35,35	0
55	MG	BA	1683	1/1	0.89	0.34	-	29,29,29,29	0
55	MG	AA	4613	1/1	0.96	0.16	-	41,41,41,41	0
55	MG	AS	203	1/1	0.93	0.74	-	75,75,75,75	0
55	MG	AA	4691	1/1	0.88	0.16	-	76,76,76,76	0
55	MG	CA	3783	1/1	0.88	1.21	-	96,96,96,96	0
55	MG	AA	4961	1/1	0.95	0.27	-	44,44,44,44	0
55	MG	AA	4303	1/1	0.95	0.24	-	41,41,41,41	0
55	MG	DA	2180	1/1	0.46	0.47	-	123,123,123,123	0
55	MG	CA	3225	1/1	0.94	0.27	-	23,23,23,23	0
55	MG	CA	3271	1/1	0.83	0.60	-	52,52,52,52	0
55	MG	DA	2108	1/1	0.83	0.25	-	92,92,92,92	0
55	MG	CA	4248	1/1	0.27	0.61	-	88,88,88,88	0
55	MG	CA	4218	1/1	0.68	0.22	-	75,75,75,75	0
55	MG	AA	5179	1/1	0.80	0.63	-	61,61,61,61	0
55	MG	BA	1925	1/1	0.52	1.16	-	75,75,75,75	0
55	MG	CA	3541	1/1	0.67	0.39	-	63,63,63,63	0
55	MG	CD	306	1/1	0.54	0.45	-	65,65,65,65	0
55	MG	AA	4228	1/1	0.92	0.24	-	23,23,23,23	0
55	MG	AA	4657	1/1	0.88	0.76	-	69,69,69,69	0
55	MG	DW	122	1/1	0.86	0.18	-	72,72,72,72	0
55	MG	CA	3289	1/1	0.92	0.22	-	20,20,20,20	0
55	MG	BA	1971	1/1	0.87	0.28	-	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1830	1/1	0.86	0.20	-	56,56,56,56	0
55	MG	AA	4080	1/1	0.85	0.70	-	71,71,71,71	0
55	MG	CA	3064	1/1	0.84	1.08	-	75,75,75,75	0
55	MG	DA	2046	1/1	0.80	0.24	-	47,47,47,47	0
55	MG	AA	4024	1/1	0.62	0.30	-	82,82,82,82	0
55	MG	DA	1810	1/1	0.92	0.09	-	67,67,67,67	0
55	MG	BA	1795	1/1	0.83	0.33	-	75,75,75,75	0
55	MG	BA	1915	1/1	0.71	0.19	-	58,58,58,58	0
55	MG	BA	1782	1/1	0.82	0.44	-	69,69,69,69	0
55	MG	AA	4392	1/1	0.82	0.22	-	39,39,39,39	0
55	MG	DA	1794	1/1	0.79	0.63	-	64,64,64,64	0
55	MG	DA	2014	1/1	0.81	0.15	-	78,78,78,78	0
55	MG	AA	4128	1/1	0.88	0.17	-	69,69,69,69	0
55	MG	CA	3958	1/1	0.73	0.45	-	51,51,51,51	0
55	MG	A3	102	1/1	0.56	0.39	-	77,77,77,77	0
55	MG	AB	221	1/1	0.69	0.16	-	74,74,74,74	0
55	MG	DA	1798	1/1	0.89	0.20	-	117,117,117,117	0
55	MG	CA	3799	1/1	0.48	0.56	-	111,111,111,111	0
55	MG	CA	3415	1/1	0.82	0.21	-	44,44,44,44	0
55	MG	CA	3912	1/1	0.86	0.30	-	56,56,56,56	0
55	MG	AX	106	1/1	0.97	0.15	-	50,50,50,50	0
55	MG	CA	3635	1/1	0.81	0.49	-	63,63,63,63	0
55	MG	DA	2029	1/1	0.82	0.21	-	53,53,53,53	0
55	MG	AA	4116	1/1	0.95	0.39	-	53,53,53,53	0
55	MG	AA	4911	1/1	0.94	0.57	-	45,45,45,45	0
55	MG	CA	4168	1/1	0.85	0.23	-	64,64,64,64	0
55	MG	DA	2060	1/1	0.85	0.57	-	72,72,72,72	0
55	MG	CA	4065	1/1	0.90	0.25	-	39,39,39,39	0
55	MG	BA	2066	1/1	0.85	0.16	-	58,58,58,58	0
55	MG	CA	3114	1/1	0.95	0.39	-	17,17,17,17	0
55	MG	DA	1664	1/1	0.90	0.45	-	73,73,73,73	0
55	MG	CA	3562	1/1	0.87	0.35	-	48,48,48,48	0
55	MG	DW	109	1/1	0.81	0.28	-	85,85,85,85	0
55	MG	BA	2010	1/1	0.51	0.54	-	78,78,78,78	0
55	MG	BA	2057	1/1	0.54	0.55	-	46,46,46,46	0
55	MG	AA	4792	1/1	0.93	0.18	-	74,74,74,74	0
55	MG	DA	1983	1/1	0.96	0.15	-	43,43,43,43	0
55	MG	AA	4622	1/1	0.80	0.29	-	79,79,79,79	0
55	MG	CA	4301	1/1	0.94	0.18	-	56,56,56,56	0
55	MG	BA	1826	1/1	0.85	0.22	-	48,48,48,48	0
55	MG	CB	261	1/1	0.86	0.22	-	61,61,61,61	0
55	MG	CF	307	1/1	0.94	0.39	-	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3777	1/1	0.85	0.59	-	59,59,59,59	0
55	MG	CA	4338	1/1	0.95	0.52	-	96,96,96,96	0
55	MG	DV	122	1/1	0.89	0.45	-	63,63,63,63	0
55	MG	DA	1745	1/1	0.85	0.30	-	54,54,54,54	0
55	MG	AA	4540	1/1	0.86	0.28	-	87,87,87,87	0
55	MG	DA	1922	1/1	0.65	0.32	-	94,94,94,94	0
55	MG	CA	2978	1/1	0.86	0.72	-	56,56,56,56	0
55	MG	DA	2025	1/1	0.92	0.12	-	40,40,40,40	0
55	MG	AA	4721	1/1	0.69	0.31	-	76,76,76,76	0
55	MG	DA	2031	1/1	0.91	0.17	-	58,58,58,58	0
55	MG	CA	3073	1/1	0.93	0.35	-	94,94,94,94	0
55	MG	CA	3083	1/1	0.92	0.35	-	57,57,57,57	0
55	MG	AA	4230	1/1	0.93	0.24	-	19,19,19,19	0
55	MG	CA	2920	1/1	0.46	0.57	-	63,63,63,63	0
55	MG	DA	1874	1/1	0.88	0.58	-	92,92,92,92	0
55	MG	CA	3970	1/1	0.86	0.47	-	29,29,29,29	0
55	MG	AA	4651	1/1	0.96	0.24	-	74,74,74,74	0
55	MG	AA	4827	1/1	0.85	0.31	-	64,64,64,64	0
55	MG	CA	3979	1/1	0.86	0.17	-	29,29,29,29	0
55	MG	CA	4173	1/1	0.83	0.41	-	49,49,49,49	0
55	MG	AA	5083	1/1	0.82	0.24	-	56,56,56,56	0
55	MG	AA	4424	1/1	0.83	0.52	-	48,48,48,48	0
55	MG	AA	5004	1/1	0.89	0.15	-	49,49,49,49	0
55	MG	CA	3386	1/1	0.98	0.20	-	43,43,43,43	0
55	MG	CA	3991	1/1	0.92	0.15	-	21,21,21,21	0
55	MG	CK	202	1/1	0.63	0.36	-	57,57,57,57	0
55	MG	AA	5052	1/1	0.92	0.25	-	46,46,46,46	0
55	MG	CA	3228	1/1	0.87	0.33	-	34,34,34,34	0
55	MG	AA	5190	1/1	0.69	0.70	-	73,73,73,73	0
55	MG	CA	3013	1/1	0.15	0.91	-	128,128,128,128	0
55	MG	CA	4281	1/1	0.91	0.31	-	68,68,68,68	0
55	MG	AA	4098	1/1	0.81	0.56	-	87,87,87,87	0
55	MG	BA	2001	1/1	0.78	0.36	-	68,68,68,68	0
55	MG	BA	2042	1/1	0.87	0.40	-	73,73,73,73	0
55	MG	AA	5242	1/1	0.94	0.20	-	70,70,70,70	0
55	MG	CA	3910	1/1	0.86	0.27	-	77,77,77,77	0
55	MG	BA	1639	1/1	0.74	0.45	-	62,62,62,62	0
55	MG	AA	5113	1/1	0.94	0.24	-	52,52,52,52	0
55	MG	AA	4646	1/1	0.84	0.20	-	91,91,91,91	0
55	MG	AA	4829	1/1	0.63	0.29	-	82,82,82,82	0
55	MG	BA	2156	1/1	0.84	0.24	-	95,95,95,95	0
55	MG	AA	4152	1/1	0.71	0.34	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5270	1/1	0.94	0.17	-	47,47,47,47	0
55	MG	CA	3758	1/1	0.92	0.10	-	71,71,71,71	0
55	MG	CA	3587	1/1	0.96	0.28	-	44,44,44,44	0
55	MG	AA	4439	1/1	0.92	1.05	-	66,66,66,66	0
55	MG	AA	4627	1/1	0.83	0.39	-	42,42,42,42	0
55	MG	CA	4103	1/1	0.89	0.35	-	43,43,43,43	0
55	MG	DA	1953	1/1	0.02	0.11	-	140,140,140,140	0
55	MG	CA	4128	1/1	0.77	0.29	-	64,64,64,64	0
55	MG	BA	1730	1/1	0.86	0.22	-	48,48,48,48	0
55	MG	CA	4160	1/1	0.88	0.24	-	67,67,67,67	0
55	MG	AS	206	1/1	0.61	0.24	-	77,77,77,77	0
55	MG	BA	2155	1/1	0.85	0.18	-	40,40,40,40	0
55	MG	CA	3707	1/1	0.94	0.14	-	49,49,49,49	0
55	MG	CA	4057	1/1	0.94	0.43	-	42,42,42,42	0
55	MG	AA	4625	1/1	0.79	0.67	-	68,68,68,68	0
55	MG	BA	1937	1/1	0.89	0.27	-	48,48,48,48	0
55	MG	DA	2124	1/1	0.85	0.84	-	88,88,88,88	0
55	MG	AA	4794	1/1	0.71	0.27	-	106,106,106,106	0
55	MG	CA	3512	1/1	0.81	0.11	-	60,60,60,60	0
55	MG	AA	4687	1/1	0.95	0.11	-	58,58,58,58	0
55	MG	AA	4824	1/1	0.77	0.33	-	51,51,51,51	0
55	MG	CB	205	1/1	0.91	0.22	-	75,75,75,75	0
55	MG	AA	4607	1/1	0.84	0.61	-	91,91,91,91	0
55	MG	DA	1624	1/1	0.92	0.29	-	127,127,127,127	0
55	MG	CA	3281	1/1	0.94	0.25	-	35,35,35,35	0
55	MG	DA	2000	1/1	0.88	0.47	-	87,87,87,87	0
55	MG	BA	1797	1/1	0.90	0.21	-	53,53,53,53	0
55	MG	BA	1657	1/1	0.82	0.16	-	52,52,52,52	0
55	MG	BA	1847	1/1	0.72	0.13	-	52,52,52,52	0
55	MG	AA	4747	1/1	0.87	0.35	-	37,37,37,37	0
55	MG	CA	4397	1/1	0.89	0.21	-	69,69,69,69	0
55	MG	AA	5098	1/1	0.88	0.37	-	80,80,80,80	0
55	MG	BA	1890	1/1	0.86	0.18	-	64,64,64,64	0
55	MG	AA	4320	1/1	0.98	0.54	-	46,46,46,46	0
55	MG	DA	1825	1/1	0.92	0.23	-	66,66,66,66	0
55	MG	DA	2062	1/1	0.88	0.35	-	65,65,65,65	0
55	MG	CA	3637	1/1	0.85	0.16	-	47,47,47,47	0
55	MG	AA	5161	1/1	0.80	0.26	-	48,48,48,48	0
55	MG	AA	5034	1/1	0.92	0.75	-	48,48,48,48	0
55	MG	AA	5189	1/1	0.86	0.59	-	65,65,65,65	0
55	MG	AA	5096	1/1	0.83	1.08	-	63,63,63,63	0
55	MG	DA	1817	1/1	0.93	0.14	-	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5180	1/1	0.89	0.49	-	82,82,82,82	0
55	MG	BA	1812	1/1	0.93	1.06	-	78,78,78,78	0
55	MG	AA	4938	1/1	0.89	0.31	-	45,45,45,45	0
55	MG	BA	1764	1/1	0.90	0.26	-	51,51,51,51	0
55	MG	CA	4037	1/1	0.87	0.16	-	45,45,45,45	0
55	MG	DA	1632	1/1	0.76	0.36	-	81,81,81,81	0
55	MG	BA	1643	1/1	0.96	0.10	-	81,81,81,81	0
55	MG	DA	1677	1/1	0.50	0.45	-	124,124,124,124	0
55	MG	DA	1989	1/1	0.85	0.10	-	85,85,85,85	0
55	MG	CW	104	1/1	0.81	1.40	-	64,64,64,64	0
55	MG	AA	4767	1/1	0.58	0.50	-	89,89,89,89	0
55	MG	CA	3219	1/1	0.94	0.51	-	35,35,35,35	0
55	MG	CA	3046	1/1	0.89	0.87	-	80,80,80,80	0
55	MG	AA	4883	1/1	0.91	0.39	-	47,47,47,47	0
55	MG	DA	1856	1/1	0.91	0.19	-	83,83,83,83	0
55	MG	AA	4838	1/1	0.74	0.20	-	73,73,73,73	0
55	MG	BA	2097	1/1	0.23	0.67	-	95,95,95,95	0
55	MG	DA	1932	1/1	0.59	1.51	-	66,66,66,66	0
55	MG	AA	4342	1/1	0.69	0.49	-	40,40,40,40	0
55	MG	CA	3954	1/1	0.78	0.18	-	92,92,92,92	0
55	MG	AA	4235	1/1	0.95	0.24	-	59,59,59,59	0
55	MG	AA	4138	1/1	0.61	0.33	-	69,69,69,69	0
55	MG	CB	253	1/1	0.78	0.10	-	76,76,76,76	0
55	MG	AA	4896	1/1	0.82	0.28	-	42,42,42,42	0
55	MG	AA	4656	1/1	0.75	0.95	-	69,69,69,69	0
55	MG	CA	4071	1/1	0.93	0.22	-	43,43,43,43	0
55	MG	CA	3312	1/1	0.92	0.45	-	38,38,38,38	0
55	MG	BA	1644	1/1	0.85	0.30	-	91,91,91,91	0
55	MG	BA	1758	1/1	0.93	0.17	-	49,49,49,49	0
55	MG	DA	2164	1/1	0.87	0.24	-	54,54,54,54	0
55	MG	AA	5128	1/1	0.94	0.29	-	50,50,50,50	0
55	MG	AA	4933	1/1	0.77	0.23	-	62,62,62,62	0
55	MG	AA	4515	1/1	0.74	0.27	-	62,62,62,62	0
55	MG	BA	1950	1/1	0.89	0.28	-	84,84,84,84	0
55	MG	BA	1887	1/1	0.96	0.11	-	51,51,51,51	0
55	MG	BA	1992	1/1	0.68	0.81	-	67,67,67,67	0
55	MG	CA	3714	1/1	0.82	0.51	-	80,80,80,80	0
55	MG	AA	4118	1/1	0.96	0.19	-	81,81,81,81	0
55	MG	AA	4144	1/1	0.61	0.34	-	63,63,63,63	0
55	MG	BA	1666	1/1	0.83	0.64	-	45,45,45,45	0
55	MG	CA	4287	1/1	0.87	0.41	-	77,77,77,77	0
55	MG	AA	4959	1/1	0.83	0.30	-	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1897	1/1	0.93	0.20	-	79,79,79,79	0
55	MG	AA	4929	1/1	0.83	0.43	-	35,35,35,35	0
55	MG	BA	2043	1/1	0.82	0.38	-	62,62,62,62	0
55	MG	AA	4181	1/1	0.89	0.56	-	25,25,25,25	0
55	MG	CA	3009	1/1	0.76	0.38	-	56,56,56,56	0
55	MG	AA	4508	1/1	0.69	0.19	-	89,89,89,89	0
55	MG	AA	5217	1/1	0.91	0.47	-	66,66,66,66	0
55	MG	CA	3084	1/1	0.79	0.19	-	95,95,95,95	0
55	MG	CA	3492	1/1	0.89	0.58	-	124,124,124,124	0
55	MG	AA	5191	1/1	0.96	0.13	-	41,41,41,41	0
55	MG	CA	4175	1/1	0.69	0.40	-	64,64,64,64	0
55	MG	AA	5037	1/1	0.51	1.02	-	95,95,95,95	0
55	MG	CA	4139	1/1	0.85	0.15	-	51,51,51,51	0
55	MG	CA	3327	1/1	0.87	0.29	-	36,36,36,36	0
55	MG	AA	5109	1/1	0.76	0.35	-	88,88,88,88	0
55	MG	DA	2009	1/1	0.83	0.26	-	55,55,55,55	0
55	MG	CA	3616	1/1	0.87	0.18	-	53,53,53,53	0
55	MG	AA	4655	1/1	0.90	0.71	-	60,60,60,60	0
55	MG	AA	5236	1/1	0.79	0.51	-	66,66,66,66	0
55	MG	DA	1678	1/1	0.73	0.56	-	74,74,74,74	0
55	MG	AA	4806	1/1	0.74	0.38	-	48,48,48,48	0
55	MG	DR	102	1/1	0.81	0.37	-	70,70,70,70	0
55	MG	AA	4575	1/1	0.78	0.11	-	87,87,87,87	0
55	MG	CA	4272	1/1	0.75	0.39	-	65,65,65,65	0
55	MG	CA	3972	1/1	0.61	0.41	-	46,46,46,46	0
55	MG	AA	4843	1/1	0.79	0.41	-	51,51,51,51	0
55	MG	CA	4196	1/1	0.88	0.25	-	37,37,37,37	0
55	MG	AA	5095	1/1	0.85	0.68	-	57,57,57,57	0
55	MG	AA	4494	1/1	0.85	0.20	-	50,50,50,50	0
55	MG	AA	4468	1/1	0.81	0.44	-	66,66,66,66	0
55	MG	AA	4801	1/1	0.91	0.12	-	61,61,61,61	0
55	MG	AA	4866	1/1	0.87	0.44	-	24,24,24,24	0
55	MG	DA	2118	1/1	0.77	0.26	-	54,54,54,54	0
55	MG	BA	1627	1/1	0.87	0.28	-	61,61,61,61	0
55	MG	CA	4358	1/1	0.19	1.53	-	78,78,78,78	0
55	MG	BA	1803	1/1	0.65	0.42	-	61,61,61,61	0
55	MG	AA	4546	1/1	0.62	0.57	-	76,76,76,76	0
55	MG	DA	1967	1/1	0.79	0.42	-	36,36,36,36	0
55	MG	CA	4143	1/1	0.93	0.20	-	57,57,57,57	0
55	MG	AA	4590	1/1	0.78	0.50	-	66,66,66,66	0
55	MG	CA	2976	1/1	0.83	0.52	-	61,61,61,61	0
55	MG	AA	5200	1/1	0.60	0.58	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4080	1/1	0.83	0.45	-	59,59,59,59	0
55	MG	DA	1687	1/1	0.78	0.35	-	86,86,86,86	0
55	MG	DA	2007	1/1	0.89	0.11	-	75,75,75,75	0
55	MG	AA	4941	1/1	0.88	0.22	-	48,48,48,48	0
55	MG	BA	2147	1/1	0.92	0.20	-	121,121,121,121	0
55	MG	CA	4101	1/1	0.94	0.23	-	46,46,46,46	0
55	MG	CA	4275	1/1	0.87	0.32	-	74,74,74,74	0
55	MG	DA	1814	1/1	0.79	0.32	-	59,59,59,59	0
55	MG	CA	3049	1/1	0.92	0.46	-	62,62,62,62	0
55	MG	BA	1696	1/1	0.85	0.41	-	50,50,50,50	0
55	MG	AA	4772	1/1	0.86	0.33	-	51,51,51,51	0
55	MG	BA	1936	1/1	0.83	0.14	-	74,74,74,74	0
55	MG	DA	2150	1/1	0.74	0.48	-	57,57,57,57	0
55	MG	CA	3680	1/1	0.92	0.21	-	54,54,54,54	0
55	MG	CA	3314	1/1	0.92	0.20	-	26,26,26,26	0
55	MG	DA	1787	1/1	0.71	0.27	-	81,81,81,81	0
55	MG	AA	5044	1/1	0.76	0.45	-	72,72,72,72	0
55	MG	DA	2198	1/1	0.72	0.48	-	87,87,87,87	0
55	MG	AA	4724	1/1	0.93	0.09	-	59,59,59,59	0
55	MG	BV	118	1/1	0.85	0.26	-	94,94,94,94	0
55	MG	AA	5288	1/1	0.85	0.41	-	68,68,68,68	0
55	MG	BW	113	1/1	0.84	0.18	-	56,56,56,56	0
55	MG	AA	4628	1/1	0.73	0.70	-	68,68,68,68	0
55	MG	DV	124	1/1	0.84	0.65	-	61,61,61,61	0
55	MG	DA	1833	1/1	0.59	0.21	-	103,103,103,103	0
55	MG	AA	4139	1/1	0.94	0.35	-	61,61,61,61	0
55	MG	CA	3380	1/1	0.91	0.28	-	56,56,56,56	0
55	MG	CA	3017	1/1	0.84	0.39	-	68,68,68,68	0
55	MG	BA	1689	1/1	0.94	0.36	-	19,19,19,19	0
55	MG	CA	3421	1/1	0.87	0.51	-	55,55,55,55	0
55	MG	BA	1634	1/1	0.54	0.89	-	104,104,104,104	0
55	MG	CA	3735	1/1	0.78	0.18	-	64,64,64,64	0
55	MG	CA	4279	1/1	0.91	0.34	-	62,62,62,62	0
55	MG	BA	2021	1/1	0.91	0.16	-	75,75,75,75	0
55	MG	AA	5220	1/1	0.83	0.30	-	51,51,51,51	0
55	MG	BA	1709	1/1	0.90	0.21	-	42,42,42,42	0
55	MG	BA	2041	1/1	0.92	0.07	-	66,66,66,66	0
55	MG	CD	304	1/1	0.92	0.25	-	55,55,55,55	0
55	MG	CA	3540	1/1	0.67	0.74	-	49,49,49,49	0
55	MG	AA	5297	1/1	0.40	1.45	-	71,71,71,71	0
55	MG	CA	3423	1/1	0.77	0.14	-	56,56,56,56	0
55	MG	CA	3205	1/1	0.89	0.32	-	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3668	1/1	0.97	0.32	-	84,84,84,84	0
55	MG	AA	4737	1/1	0.64	0.54	-	71,71,71,71	0
55	MG	CB	214	1/1	0.92	0.12	-	74,74,74,74	0
55	MG	AA	4641	1/1	0.93	0.32	-	66,66,66,66	0
55	MG	AA	5229	1/1	0.73	0.45	-	54,54,54,54	0
55	MG	CA	3085	1/1	0.66	0.49	-	81,81,81,81	0
55	MG	CA	3358	1/1	0.83	0.71	-	41,41,41,41	0
55	MG	AA	4828	1/1	0.54	0.28	-	53,53,53,53	0
55	MG	DA	1819	1/1	0.84	0.30	-	101,101,101,101	0
55	MG	AA	4339	1/1	0.92	0.22	-	33,33,33,33	0
55	MG	CA	3626	1/1	0.68	0.51	-	103,103,103,103	0
55	MG	AA	4527	1/1	0.97	0.11	-	43,43,43,43	0
55	MG	AA	5222	1/1	0.90	0.12	-	84,84,84,84	0
55	MG	CB	260	1/1	0.89	0.19	-	54,54,54,54	0
55	MG	AA	4531	1/1	0.78	0.23	-	57,57,57,57	0
55	MG	BA	2124	1/1	0.85	0.66	-	64,64,64,64	0
55	MG	CA	3644	1/1	0.90	0.16	-	83,83,83,83	0
55	MG	CA	4386	1/1	0.96	0.72	-	59,59,59,59	0
55	MG	BA	1990	1/1	0.83	0.46	-	59,59,59,59	0
55	MG	AA	4403	1/1	0.89	0.19	-	55,55,55,55	0
55	MG	DA	1852	1/1	0.92	0.22	-	73,73,73,73	0
55	MG	DA	2067	1/1	0.50	0.55	-	55,55,55,55	0
55	MG	AA	4803	1/1	0.52	0.57	-	85,85,85,85	0
55	MG	BA	1664	1/1	0.85	0.35	-	86,86,86,86	0
55	MG	CA	3851	1/1	0.76	0.40	-	74,74,74,74	0
55	MG	CA	3813	1/1	0.76	0.27	-	58,58,58,58	0
55	MG	AA	4370	1/1	0.97	0.11	-	51,51,51,51	0
55	MG	BA	2150	1/1	0.81	0.28	-	82,82,82,82	0
55	MG	BA	2088	1/1	0.87	0.37	-	55,55,55,55	0
55	MG	AA	5272	1/1	0.91	0.34	-	58,58,58,58	0
55	MG	CA	3266	1/1	0.89	0.50	-	25,25,25,25	0
55	MG	AA	4952	1/1	0.78	0.20	-	89,89,89,89	0
55	MG	CA	2937	1/1	0.82	0.29	-	86,86,86,86	0
55	MG	CA	2971	1/1	0.94	0.28	-	60,60,60,60	0
55	MG	CA	4316	1/1	0.84	0.32	-	60,60,60,60	0
55	MG	DA	1645	1/1	0.95	0.21	-	131,131,131,131	0
55	MG	AA	4099	1/1	0.76	0.46	-	88,88,88,88	0
55	MG	AA	4971	1/1	0.94	0.69	-	68,68,68,68	0
55	MG	BA	1897	1/1	0.71	0.12	-	53,53,53,53	0
55	MG	DA	2003	1/1	0.71	0.23	-	53,53,53,53	0
55	MG	CA	3537	1/1	0.88	0.22	-	60,60,60,60	0
55	MG	CA	3779	1/1	0.96	0.18	-	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1722	1/1	0.93	0.10	-	73,73,73,73	0
55	MG	CA	3722	1/1	0.61	0.24	-	82,82,82,82	0
55	MG	CA	3636	1/1	0.94	0.29	-	53,53,53,53	0
55	MG	CB	224	1/1	0.93	0.11	-	88,88,88,88	0
55	MG	AA	4837	1/1	0.62	0.32	-	107,107,107,107	0
55	MG	CA	4064	1/1	0.89	0.24	-	49,49,49,49	0
55	MG	CA	2912	1/1	0.92	0.27	-	85,85,85,85	0
55	MG	CA	4132	1/1	0.89	0.41	-	57,57,57,57	0
55	MG	DA	2102	1/1	0.82	1.14	-	87,87,87,87	0
55	MG	AA	4985	1/1	0.84	0.37	-	61,61,61,61	0
55	MG	CA	3398	1/1	0.81	0.16	-	53,53,53,53	0
55	MG	BA	1814	1/1	0.94	0.46	-	53,53,53,53	0
55	MG	DV	115	1/1	0.90	0.06	-	59,59,59,59	0
55	MG	BA	1967	1/1	0.68	0.89	-	56,56,56,56	0
55	MG	BA	1621	1/1	0.76	0.39	-	67,67,67,67	0
55	MG	CA	3952	1/1	0.83	0.40	-	70,70,70,70	0
55	MG	DA	1654	1/1	0.75	0.35	-	131,131,131,131	0
55	MG	CA	4265	1/1	0.78	0.31	-	64,64,64,64	0
55	MG	CA	4019	1/1	0.88	0.43	-	43,43,43,43	0
55	MG	BA	1988	1/1	0.78	0.19	-	66,66,66,66	0
55	MG	CA	3713	1/1	0.71	0.42	-	54,54,54,54	0
55	MG	CA	3248	1/1	0.80	0.69	-	40,40,40,40	0
55	MG	BA	2128	1/1	0.81	0.42	-	83,83,83,83	0
55	MG	AX	104	1/1	0.78	0.39	-	65,65,65,65	0
55	MG	AA	4976	1/1	0.88	0.33	-	78,78,78,78	0
55	MG	DA	1977	1/1	0.86	0.16	-	61,61,61,61	0
55	MG	CA	4044	1/1	0.89	0.35	-	25,25,25,25	0
55	MG	BA	1646	1/1	0.88	0.20	-	59,59,59,59	0
55	MG	DA	1791	1/1	0.93	0.16	-	65,65,65,65	0
55	MG	CA	3817	1/1	0.87	0.94	-	59,59,59,59	0
55	MG	AB	238	1/1	0.82	0.11	-	55,55,55,55	0
55	MG	DA	1828	1/1	0.89	0.41	-	100,100,100,100	0
55	MG	DW	106	1/1	0.85	0.29	-	113,113,113,113	0
55	MG	AA	4626	1/1	0.81	0.28	-	55,55,55,55	0
55	MG	AA	4009	1/1	0.72	0.16	-	56,56,56,56	0
55	MG	DA	2146	1/1	0.49	0.36	-	69,69,69,69	0
55	MG	AA	4252	1/1	0.92	0.17	-	37,37,37,37	0
55	MG	CA	3351	1/1	0.78	0.27	-	39,39,39,39	0
55	MG	AA	4292	1/1	0.79	0.18	-	65,65,65,65	0
55	MG	BA	2121	1/1	0.57	0.29	-	81,81,81,81	0
55	MG	AA	4946	1/1	0.93	0.28	-	49,49,49,49	0
55	MG	AA	4363	1/1	0.56	0.44	-	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3773	1/1	0.95	0.17	-	67,67,67,67	0
55	MG	BA	1728	1/1	0.84	0.28	-	69,69,69,69	0
55	MG	AA	4477	1/1	0.70	0.39	-	59,59,59,59	0
55	MG	AA	4998	1/1	0.85	0.12	-	86,86,86,86	0
55	MG	AA	4319	1/1	0.87	0.21	-	50,50,50,50	0
55	MG	DJ	201	1/1	0.82	0.29	-	83,83,83,83	0
55	MG	BA	2111	1/1	0.92	0.20	-	96,96,96,96	0
55	MG	CA	3104	1/1	0.93	0.61	-	19,19,19,19	0
55	MG	AA	4103	1/1	0.93	0.78	-	71,71,71,71	0
55	MG	DA	2200	1/1	0.76	0.46	-	61,61,61,61	0
55	MG	CA	3951	1/1	0.81	0.34	-	94,94,94,94	0
55	MG	DD	302	1/1	0.77	0.25	-	48,48,48,48	0
55	MG	DA	1736	1/1	0.93	0.26	-	60,60,60,60	0
55	MG	CA	4187	1/1	0.82	0.25	-	69,69,69,69	0
55	MG	CA	4074	1/1	0.80	0.38	-	59,59,59,59	0
55	MG	DQ	201	1/1	0.63	0.35	-	57,57,57,57	0
55	MG	AA	4725	1/1	0.92	0.42	-	78,78,78,78	0
55	MG	AA	4083	1/1	0.84	0.25	-	78,78,78,78	0
55	MG	AA	4608	1/1	0.95	0.09	-	81,81,81,81	0
55	MG	DA	2131	1/1	0.86	0.31	-	56,56,56,56	0
55	MG	BQ	202	1/1	0.83	0.35	-	78,78,78,78	0
55	MG	AA	4483	1/1	0.83	0.22	-	51,51,51,51	0
55	MG	AA	4774	1/1	0.82	0.39	-	63,63,63,63	0
55	MG	BA	1876	1/1	0.79	0.24	-	91,91,91,91	0
55	MG	CA	3144	1/1	0.94	0.29	-	29,29,29,29	0
55	MG	DA	1889	1/1	0.86	0.55	-	107,107,107,107	0
55	MG	AA	4752	1/1	0.88	0.33	-	78,78,78,78	0
55	MG	AA	4942	1/1	0.76	0.18	-	56,56,56,56	0
55	MG	CA	3316	1/1	0.98	0.07	-	61,61,61,61	0
55	MG	CA	3001	1/1	0.95	0.18	-	40,40,40,40	0
55	MG	BA	1836	1/1	0.68	0.33	-	79,79,79,79	0
55	MG	AA	5145	1/1	0.76	0.34	-	58,58,58,58	0
55	MG	CA	3105	1/1	0.97	0.42	-	18,18,18,18	0
55	MG	AA	4786	1/1	0.85	0.23	-	55,55,55,55	0
55	MG	CA	4007	1/1	0.92	0.17	-	29,29,29,29	0
55	MG	DA	2057	1/1	0.93	0.13	-	49,49,49,49	0
55	MG	BA	1954	1/1	0.68	0.30	-	56,56,56,56	0
55	MG	AA	4814	1/1	0.85	0.32	-	75,75,75,75	0
55	MG	BA	1800	1/1	0.95	0.16	-	73,73,73,73	0
55	MG	CA	3110	1/1	0.93	0.40	-	15,15,15,15	0
55	MG	DA	1834	1/1	0.73	0.33	-	123,123,123,123	0
55	MG	BA	1895	1/1	0.94	0.12	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3012	1/1	0.89	0.26	-	75,75,75,75	0
55	MG	CA	2948	1/1	0.87	0.43	-	85,85,85,85	0
55	MG	CA	3775	1/1	0.78	0.21	-	66,66,66,66	0
55	MG	DA	1775	1/1	0.86	0.19	-	68,68,68,68	0
55	MG	CA	3333	1/1	0.97	0.17	-	49,49,49,49	0
55	MG	CB	262	1/1	0.67	0.42	-	67,67,67,67	0
55	MG	AA	4411	1/1	0.87	0.18	-	63,63,63,63	0
55	MG	CA	3967	1/1	0.85	0.19	-	39,39,39,39	0
55	MG	BW	111	1/1	0.79	0.23	-	53,53,53,53	0
55	MG	BA	1868	1/1	0.90	0.23	-	55,55,55,55	0
55	MG	CA	2953	1/1	0.80	0.33	-	71,71,71,71	0
55	MG	DA	2083	1/1	0.71	0.70	-	53,53,53,53	0
55	MG	CA	4239	1/1	0.73	0.54	-	56,56,56,56	0
55	MG	AA	5104	1/1	0.89	0.30	-	54,54,54,54	0
55	MG	AA	4612	1/1	0.90	0.32	-	59,59,59,59	0
55	MG	CA	3678	1/1	0.84	0.28	-	77,77,77,77	0
55	MG	DA	2202	1/1	0.53	0.25	-	80,80,80,80	0
55	MG	CA	3481	1/1	0.86	0.37	-	38,38,38,38	0
55	MG	DA	2127	1/1	0.75	0.46	-	68,68,68,68	0
55	MG	DA	1894	1/1	0.92	0.31	-	67,67,67,67	0
55	MG	CA	3971	1/1	0.92	0.38	-	36,36,36,36	0
55	MG	BA	1780	1/1	0.77	0.30	-	72,72,72,72	0
55	MG	BA	1903	1/1	0.56	0.41	-	62,62,62,62	0
55	MG	AA	4335	1/1	0.85	0.47	-	52,52,52,52	0
55	MG	CA	3256	1/1	0.89	0.15	-	31,31,31,31	0
55	MG	CA	2917	1/1	0.86	0.36	-	41,41,41,41	0
55	MG	AA	5168	1/1	0.82	0.29	-	71,71,71,71	0
55	MG	AA	4519	1/1	0.88	0.34	-	50,50,50,50	0
55	MG	CA	2957	1/1	0.92	0.21	-	73,73,73,73	0
55	MG	AA	4777	1/1	0.85	0.45	-	48,48,48,48	0
55	MG	BA	1939	1/1	0.74	0.31	-	69,69,69,69	0
55	MG	CA	3593	1/1	0.73	0.49	-	62,62,62,62	0
55	MG	CA	4063	1/1	0.78	0.85	-	58,58,58,58	0
55	MG	CA	3210	1/1	0.87	0.39	-	35,35,35,35	0
55	MG	AA	4804	1/1	0.76	0.62	-	57,57,57,57	0
55	MG	CA	3660	1/1	0.91	0.15	-	60,60,60,60	0
55	MG	CA	4383	1/1	0.93	0.16	-	58,58,58,58	0
55	MG	AA	4324	1/1	0.97	0.48	-	46,46,46,46	0
55	MG	AB	246	1/1	0.81	0.23	-	94,94,94,94	0
55	MG	AA	4809	1/1	0.70	0.53	-	65,65,65,65	0
55	MG	DH	201	1/1	0.79	0.20	-	100,100,100,100	0
55	MG	DA	2197	1/1	0.91	0.46	-	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	1855	1/1	0.89	0.20	-	75,75,75,75	0
55	MG	AA	4286	1/1	0.96	0.11	-	35,35,35,35	0
55	MG	BA	1658	1/1	0.87	0.21	-	73,73,73,73	0
55	MG	AA	4826	1/1	0.79	0.43	-	73,73,73,73	0
55	MG	CA	4210	1/1	0.79	0.30	-	63,63,63,63	0
55	MG	DA	1918	1/1	0.77	0.12	-	88,88,88,88	0
55	MG	DA	1696	1/1	0.85	0.31	-	25,25,25,25	0
55	MG	AA	5101	1/1	0.82	0.55	-	77,77,77,77	0
55	MG	AA	4352	1/1	0.88	0.32	-	66,66,66,66	0
55	MG	BA	1857	1/1	0.72	0.16	-	72,72,72,72	0
55	MG	CB	259	1/1	0.58	0.26	-	78,78,78,78	0
55	MG	CA	3846	1/1	0.80	0.18	-	126,126,126,126	0
55	MG	AB	204	1/1	0.60	0.47	-	56,56,56,56	0
55	MG	CA	3681	1/1	0.91	0.19	-	58,58,58,58	0
55	MG	CB	234	1/1	0.91	0.36	-	74,74,74,74	0
55	MG	AA	4906	1/1	0.70	0.76	-	63,63,63,63	0
55	MG	CA	3409	1/1	0.88	0.15	-	38,38,38,38	0
55	MG	BR	101	1/1	0.71	0.54	-	77,77,77,77	0
55	MG	AA	4731	1/1	0.75	0.29	-	119,119,119,119	0
55	MG	DA	1715	1/1	0.90	0.17	-	30,30,30,30	0
55	MG	CA	3094	1/1	0.91	0.36	-	41,41,41,41	0
55	MG	AA	4528	1/1	0.84	0.35	-	63,63,63,63	0
55	MG	CA	4403	1/1	0.20	0.35	-	175,175,175,175	0
55	MG	AO	201	1/1	0.77	0.17	-	67,67,67,67	0
55	MG	AA	4079	1/1	0.91	0.35	-	76,76,76,76	0
55	MG	CA	2960	1/1	0.78	0.41	-	77,77,77,77	0
55	MG	AA	4983	1/1	0.88	0.20	-	51,51,51,51	0
55	MG	AA	4844	1/1	0.64	1.15	-	59,59,59,59	0
55	MG	CA	3484	1/1	0.93	0.36	-	49,49,49,49	0
55	MG	CA	3319	1/1	0.93	0.27	-	25,25,25,25	0
55	MG	AA	5212	1/1	0.72	0.30	-	74,74,74,74	0
55	MG	AA	5156	1/1	0.91	0.08	-	52,52,52,52	0
55	MG	CA	3565	1/1	0.96	0.15	-	65,65,65,65	0
55	MG	CA	2946	1/1	0.96	0.86	-	63,63,63,63	0
55	MG	CA	3980	1/1	0.95	0.28	-	39,39,39,39	0
55	MG	AA	5292	1/1	0.41	0.55	-	76,76,76,76	0
55	MG	CA	4207	1/1	0.55	0.29	-	62,62,62,62	0
55	MG	CA	3877	1/1	0.72	0.46	-	65,65,65,65	0
55	MG	AA	5154	1/1	0.70	0.66	-	45,45,45,45	0
55	MG	CA	3187	1/1	0.86	0.26	-	36,36,36,36	0
55	MG	AA	4412	1/1	0.81	0.78	-	60,60,60,60	0
55	MG	CA	4021	1/1	0.88	0.10	-	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4005	1/1	0.79	0.24	-	49,49,49,49	0
55	MG	BA	1979	1/1	0.68	0.11	-	64,64,64,64	0
55	MG	CA	3157	1/1	0.97	0.32	-	8,8,8,8	0
55	MG	AA	4397	1/1	0.53	3.31	-	82,82,82,82	0
55	MG	CA	3672	1/1	0.86	0.46	-	72,72,72,72	0
55	MG	BA	2046	1/1	0.68	0.79	-	82,82,82,82	0
55	MG	DW	115	1/1	0.83	0.13	-	127,127,127,127	0
55	MG	AA	4835	1/1	0.77	0.41	-	131,131,131,131	0
55	MG	DA	1820	1/1	0.93	0.60	-	102,102,102,102	0
55	MG	AA	4813	1/1	0.94	0.44	-	76,76,76,76	0
55	MG	AA	5064	1/1	0.83	0.17	-	46,46,46,46	0
55	MG	AA	4954	1/1	0.71	0.22	-	42,42,42,42	0
55	MG	BA	1691	1/1	0.94	0.27	-	20,20,20,20	0
55	MG	AA	4994	1/1	0.68	0.50	-	63,63,63,63	0
55	MG	CA	3450	1/1	0.77	0.51	-	49,49,49,49	0
55	MG	AA	5018	1/1	0.79	0.16	-	44,44,44,44	0
55	MG	CA	3605	1/1	0.80	0.29	-	66,66,66,66	0
55	MG	CB	226	1/1	0.82	0.19	-	40,40,40,40	0
55	MG	DA	1767	1/1	0.89	0.20	-	118,118,118,118	0
55	MG	CA	3726	1/1	0.97	0.67	-	160,160,160,160	0
55	MG	AA	4120	1/1	0.28	0.74	-	92,92,92,92	0
55	MG	CA	3349	1/1	0.86	0.15	-	48,48,48,48	0
55	MG	BA	1943	1/1	0.56	0.85	-	79,79,79,79	0
55	MG	DA	1901	1/1	0.72	0.61	-	68,68,68,68	0
55	MG	AA	4980	1/1	0.89	0.16	-	55,55,55,55	0
55	MG	BA	2119	1/1	0.82	0.28	-	88,88,88,88	0
55	MG	CA	3828	1/1	0.94	0.37	-	52,52,52,52	0
55	MG	CA	3806	1/1	0.96	0.40	-	86,86,86,86	0
55	MG	AP	201	1/1	0.93	0.23	-	55,55,55,55	0
55	MG	CA	3725	1/1	0.96	0.20	-	67,67,67,67	0
55	MG	DA	1993	1/1	0.85	0.61	-	55,55,55,55	0
55	MG	BA	2133	1/1	0.68	0.53	-	77,77,77,77	0
55	MG	BA	1602	1/1	0.88	0.26	-	101,101,101,101	0
55	MG	CA	3207	1/1	0.89	0.21	-	14,14,14,14	0
55	MG	AA	4771	1/1	0.97	0.21	-	25,25,25,25	0
55	MG	AA	4497	1/1	0.54	0.33	-	66,66,66,66	0
55	MG	DA	1935	1/1	0.71	0.49	-	69,69,69,69	0
55	MG	CA	3192	1/1	0.85	0.27	-	24,24,24,24	0
55	MG	BA	1739	1/1	0.72	0.54	-	73,73,73,73	0
55	MG	CA	4220	1/1	0.75	0.14	-	95,95,95,95	0
55	MG	BA	2086	1/1	0.70	0.52	-	71,71,71,71	0
55	MG	AA	4919	1/1	0.88	0.69	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4215	1/1	0.90	0.18	-	55,55,55,55	0
55	MG	AA	4008	1/1	0.90	0.30	-	79,79,79,79	0
55	MG	AA	4931	1/1	0.87	0.28	-	41,41,41,41	0
55	MG	CB	217	1/1	0.87	0.28	-	35,35,35,35	0
55	MG	AA	4156	1/1	0.92	0.50	-	72,72,72,72	0
55	MG	BV	120	1/1	0.91	0.17	-	50,50,50,50	0
55	MG	BA	1834	1/1	0.86	1.12	-	67,67,67,67	0
55	MG	DA	1709	1/1	0.96	0.12	-	36,36,36,36	0
55	MG	CA	3902	1/1	0.88	0.19	-	68,68,68,68	0
55	MG	DA	1630	1/1	0.34	1.61	-	133,133,133,133	0
55	MG	DA	1811	1/1	0.27	0.64	-	73,73,73,73	0
55	MG	AA	4514	1/1	0.62	0.56	-	81,81,81,81	0
55	MG	BA	1989	1/1	0.83	0.29	-	74,74,74,74	0
55	MG	AA	5265	1/1	0.60	0.55	-	68,68,68,68	0
55	MG	CA	4050	1/1	0.67	0.50	-	54,54,54,54	0
55	MG	CA	3076	1/1	0.82	0.37	-	101,101,101,101	0
55	MG	CA	3008	1/1	0.74	0.44	-	57,57,57,57	0
55	MG	CA	3918	1/1	0.88	0.20	-	58,58,58,58	0
55	MG	CA	3253	1/1	0.95	0.18	-	27,27,27,27	0
55	MG	AA	4427	1/1	0.92	0.11	-	68,68,68,68	0
55	MG	CA	3154	1/1	0.90	0.31	-	29,29,29,29	0
55	MG	AA	4565	1/1	0.85	0.28	-	61,61,61,61	0
55	MG	AA	4063	1/1	0.87	0.68	-	80,80,80,80	0
55	MG	AA	4484	1/1	0.96	0.57	-	75,75,75,75	0
55	MG	DA	2084	1/1	0.92	0.48	-	67,67,67,67	0
55	MG	CA	3810	1/1	0.91	0.35	-	43,43,43,43	0
55	MG	DA	2055	1/1	0.72	0.55	-	59,59,59,59	0
55	MG	CA	4347	1/1	0.67	0.81	-	81,81,81,81	0
55	MG	AA	4221	1/1	0.94	0.31	-	43,43,43,43	0
55	MG	AA	4039	1/1	0.82	0.19	-	85,85,85,85	0
55	MG	CA	3031	1/1	0.89	0.54	-	62,62,62,62	0
55	MG	DA	1758	1/1	0.91	0.14	-	106,106,106,106	0
55	MG	CA	3431	1/1	0.89	0.19	-	40,40,40,40	0
55	MG	AA	5293	1/1	0.88	0.33	-	49,49,49,49	0
55	MG	AA	4910	1/1	0.90	0.13	-	49,49,49,49	0
55	MG	BA	1789	1/1	0.82	1.17	-	79,79,79,79	0
55	MG	BA	1766	1/1	0.79	0.40	-	50,50,50,50	0
55	MG	AA	4206	1/1	0.92	0.19	-	19,19,19,19	0
55	MG	AA	4253	1/1	0.92	1.01	-	28,28,28,28	0
55	MG	DA	2038	1/1	0.68	0.19	-	114,114,114,114	0
55	MG	AA	5233	1/1	0.80	0.17	-	74,74,74,74	0
55	MG	BA	1791	1/1	0.94	0.09	-	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	2035	1/1	0.94	0.34	-	61,61,61,61	0
55	MG	CA	4010	1/1	0.86	0.52	-	42,42,42,42	0
55	MG	DA	2137	1/1	0.78	0.23	-	98,98,98,98	0
55	MG	DA	1960	1/1	0.93	0.17	-	20,20,20,20	0
55	MG	BA	2059	1/1	0.85	0.44	-	48,48,48,48	0
55	MG	AA	4273	1/1	0.89	0.43	-	43,43,43,43	0
55	MG	AA	4510	1/1	0.36	0.93	-	167,167,167,167	0
55	MG	CA	3723	1/1	0.91	0.42	-	53,53,53,53	0
55	MG	AA	4114	1/1	0.68	0.52	-	64,64,64,64	0
55	MG	AA	4395	1/1	0.89	0.10	-	53,53,53,53	0
55	MG	CA	3920	1/1	0.36	0.69	-	85,85,85,85	0
55	MG	AA	4433	1/1	0.90	0.09	-	63,63,63,63	0
55	MG	AA	4970	1/1	0.59	0.23	-	60,60,60,60	0
55	MG	AA	4727	1/1	0.97	0.06	-	75,75,75,75	0
55	MG	DA	1694	1/1	0.96	0.22	-	22,22,22,22	0
55	MG	AA	5035	1/1	0.94	0.36	-	65,65,65,65	0
55	MG	AA	4308	1/1	0.94	0.38	-	44,44,44,44	0
55	MG	DA	1936	1/1	0.93	0.14	-	60,60,60,60	0
55	MG	CA	4039	1/1	0.72	0.24	-	60,60,60,60	0
55	MG	DA	1618	1/1	0.94	0.18	-	85,85,85,85	0
55	MG	AA	4226	1/1	0.94	0.13	-	25,25,25,25	0
55	MG	DA	1914	1/1	0.84	0.18	-	77,77,77,77	0
55	MG	BA	1907	1/1	0.90	0.40	-	58,58,58,58	0
55	MG	BA	1794	1/1	0.86	0.12	-	53,53,53,53	0
55	MG	CA	3429	1/1	0.83	0.37	-	44,44,44,44	0
55	MG	CA	4180	1/1	0.75	0.18	-	63,63,63,63	0
55	MG	CA	3434	1/1	0.80	0.53	-	56,56,56,56	0
55	MG	AA	5106	1/1	0.81	0.33	-	56,56,56,56	0
55	MG	AA	4577	1/1	0.82	0.57	-	110,110,110,110	0
55	MG	AA	5153	1/1	0.95	0.32	-	44,44,44,44	0
55	MG	BA	1723	1/1	0.82	0.28	-	38,38,38,38	0
55	MG	DA	1672	1/1	0.77	0.43	-	62,62,62,62	0
55	MG	AA	4833	1/1	0.71	0.49	-	69,69,69,69	0
55	MG	CA	4257	1/1	0.42	0.41	-	74,74,74,74	0
55	MG	DA	2020	1/1	0.81	0.22	-	66,66,66,66	0
55	MG	AA	5155	1/1	0.88	0.88	-	69,69,69,69	0
55	MG	CA	2942	1/1	0.95	0.28	-	56,56,56,56	0
55	MG	DA	1816	1/1	0.77	0.31	-	79,79,79,79	0
55	MG	AA	5124	1/1	0.88	0.27	-	46,46,46,46	0
55	MG	AA	4917	1/1	0.88	0.19	-	41,41,41,41	0
55	MG	CA	3300	1/1	0.88	0.37	-	60,60,60,60	0
55	MG	DA	2064	1/1	0.85	0.39	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3251	1/1	0.89	0.27	-	27,27,27,27	0
55	MG	CA	3065	1/1	0.35	0.52	-	88,88,88,88	0
55	MG	CA	3738	1/1	0.94	0.36	-	105,105,105,105	0
55	MG	DA	2043	1/1	0.91	0.54	-	70,70,70,70	0
55	MG	CA	3640	1/1	0.88	0.26	-	73,73,73,73	0
55	MG	DA	1944	1/1	0.88	0.26	-	64,64,64,64	0
55	MG	AA	4558	1/1	0.97	0.24	-	48,48,48,48	0
55	MG	CA	3747	1/1	0.90	0.42	-	46,46,46,46	0
55	MG	AB	205	1/1	0.70	0.56	-	88,88,88,88	0
55	MG	BA	1699	1/1	0.91	0.14	-	37,37,37,37	0
55	MG	BE	205	1/1	0.92	0.50	-	56,56,56,56	0
55	MG	DA	2047	1/1	0.88	0.60	-	52,52,52,52	0
55	MG	DW	112	1/1	0.94	0.41	-	71,71,71,71	0
55	MG	CA	4041	1/1	0.80	0.67	-	61,61,61,61	0
55	MG	AA	5045	1/1	0.56	0.28	-	80,80,80,80	0
55	MG	CA	4009	1/1	0.91	0.26	-	34,34,34,34	0
55	MG	AB	240	1/1	0.92	0.11	-	65,65,65,65	0
55	MG	CA	3148	1/1	0.94	0.33	-	17,17,17,17	0
55	MG	CA	3834	1/1	0.80	0.23	-	69,69,69,69	0
55	MG	CA	3555	1/1	0.85	0.64	-	73,73,73,73	0
55	MG	CA	4137	1/1	0.80	0.66	-	64,64,64,64	0
55	MG	DV	112	1/1	0.88	0.17	-	35,35,35,35	0
55	MG	AA	4334	1/1	0.91	0.34	-	53,53,53,53	0
55	MG	CA	4309	1/1	0.95	0.19	-	36,36,36,36	0
55	MG	BA	1935	1/1	0.95	0.19	-	73,73,73,73	0
55	MG	AA	4756	1/1	0.71	1.26	-	69,69,69,69	0
55	MG	BA	2058	1/1	0.84	0.18	-	63,63,63,63	0
55	MG	CA	3086	1/1	0.97	0.36	-	57,57,57,57	0
55	MG	DA	1659	1/1	0.84	0.26	-	83,83,83,83	0
55	MG	AA	5184	1/1	0.73	0.41	-	73,73,73,73	0
55	MG	CA	3569	1/1	0.83	0.38	-	74,74,74,74	0
55	MG	CA	4306	1/1	0.83	0.35	-	53,53,53,53	0
55	MG	AB	248	1/1	0.92	0.26	-	50,50,50,50	0
55	MG	BA	2050	1/1	0.92	0.22	-	62,62,62,62	0
55	MG	DA	2023	1/1	0.80	0.19	-	65,65,65,65	0
55	MG	CA	4364	1/1	0.87	0.13	-	74,74,74,74	0
55	MG	DA	1842	1/1	0.93	0.22	-	70,70,70,70	0
55	MG	AA	5138	1/1	0.84	0.25	-	72,72,72,72	0
55	MG	CA	3886	1/1	0.81	0.09	-	58,58,58,58	0
55	MG	CA	3552	1/1	0.85	0.95	-	56,56,56,56	0
55	MG	BA	1945	1/1	0.79	0.59	-	82,82,82,82	0
55	MG	CA	3825	1/1	0.68	0.26	-	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4193	1/1	0.73	0.26	-	58,58,58,58	0
55	MG	CA	4395	1/1	0.67	0.89	-	85,85,85,85	0
55	MG	AA	4068	1/1	0.87	0.22	-	66,66,66,66	0
55	MG	AA	5295	1/1	0.66	0.35	-	103,103,103,103	0
55	MG	CA	3792	1/1	0.91	0.62	-	122,122,122,122	0
55	MG	AB	233	1/1	0.65	0.17	-	64,64,64,64	0
55	MG	AA	4007	1/1	0.32	0.20	-	88,88,88,88	0
55	MG	DA	2151	1/1	0.65	0.14	-	124,124,124,124	0
55	MG	CA	3487	1/1	0.93	0.21	-	50,50,50,50	0
55	MG	DA	1750	1/1	0.86	0.17	-	27,27,27,27	0
55	MG	AA	4419	1/1	0.94	0.33	-	64,64,64,64	0
55	MG	CA	4110	1/1	0.94	0.15	-	45,45,45,45	0
55	MG	DA	1878	1/1	0.76	0.38	-	111,111,111,111	0
55	MG	BA	1632	1/1	0.91	0.49	-	79,79,79,79	0
55	MG	CA	3509	1/1	0.91	0.35	-	49,49,49,49	0
55	MG	CA	3709	1/1	0.77	1.13	-	82,82,82,82	0
55	MG	CA	3339	1/1	0.68	0.15	-	50,50,50,50	0
55	MG	BA	2037	1/1	0.91	0.33	-	55,55,55,55	0
55	MG	CA	3254	1/1	0.90	0.41	-	46,46,46,46	0
55	MG	AA	4831	1/1	0.90	0.87	-	78,78,78,78	0
55	MG	AA	4479	1/1	0.88	0.33	-	80,80,80,80	0
55	MG	BA	2109	1/1	0.68	0.74	-	63,63,63,63	0
55	MG	AA	4962	1/1	0.88	0.32	-	49,49,49,49	0
55	MG	AA	5066	1/1	0.90	0.21	-	37,37,37,37	0
55	MG	CA	4076	1/1	0.95	0.16	-	34,34,34,34	0
55	MG	CA	3433	1/1	0.74	0.37	-	67,67,67,67	0
55	MG	CA	3649	1/1	0.74	0.41	-	54,54,54,54	0
55	MG	AA	5082	1/1	0.81	0.30	-	72,72,72,72	0
55	MG	AA	5010	1/1	0.77	0.60	-	81,81,81,81	0
55	MG	AA	4781	1/1	0.93	0.18	-	46,46,46,46	0
55	MG	DA	2054	1/1	0.66	0.15	-	77,77,77,77	0
55	MG	BA	1799	1/1	0.82	0.37	-	64,64,64,64	0
55	MG	AA	5072	1/1	0.74	0.28	-	78,78,78,78	0
55	MG	AA	5054	1/1	0.87	0.17	-	48,48,48,48	0
55	MG	BA	1941	1/1	0.81	0.15	-	81,81,81,81	0
55	MG	DA	2167	1/1	0.88	0.27	-	41,41,41,41	0
55	MG	AA	4503	1/1	0.87	0.21	-	48,48,48,48	0
55	MG	CA	4381	1/1	0.83	0.59	-	74,74,74,74	0
55	MG	CA	3578	1/1	0.65	0.30	-	58,58,58,58	0
55	MG	CA	4098	1/1	0.88	0.44	-	76,76,76,76	0
55	MG	CA	3041	1/1	0.74	0.37	-	72,72,72,72	0
55	MG	CA	3274	1/1	0.90	0.48	-	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1984	1/1	0.92	0.54	-	50,50,50,50	0
55	MG	BA	1946	1/1	0.83	0.19	-	69,69,69,69	0
55	MG	CA	4082	1/1	0.79	0.32	-	43,43,43,43	0
55	MG	AA	4696	1/1	0.68	0.60	-	50,50,50,50	0
55	MG	DO	102	1/1	0.80	1.15	-	113,113,113,113	0
55	MG	AA	4972	1/1	0.22	0.94	-	171,171,171,171	0
55	MG	BV	113	1/1	0.86	0.18	-	82,82,82,82	0
55	MG	DA	1638	1/1	-0.01	1.00	-	126,126,126,126	0
55	MG	CA	3816	1/1	0.88	0.10	-	68,68,68,68	0
55	MG	CA	4319	1/1	0.91	0.21	-	55,55,55,55	0
55	MG	CA	4357	1/1	0.96	0.16	-	49,49,49,49	0
55	MG	BA	2047	1/1	0.75	0.27	-	58,58,58,58	0
55	MG	DA	1662	1/1	0.73	0.21	-	64,64,64,64	0
55	MG	CA	3969	1/1	0.92	0.61	-	31,31,31,31	0
55	MG	CA	4026	1/1	0.64	0.36	-	66,66,66,66	0
55	MG	AA	4300	1/1	0.93	0.33	-	25,25,25,25	0
55	MG	BV	102	1/1	0.61	0.44	-	56,56,56,56	0
55	MG	AA	4371	1/1	0.97	0.28	-	44,44,44,44	0
55	MG	CA	4361	1/1	0.84	0.52	-	65,65,65,65	0
55	MG	CA	4205	1/1	0.77	0.59	-	82,82,82,82	0
55	MG	BA	2061	1/1	0.87	0.41	-	65,65,65,65	0
55	MG	AA	4755	1/1	0.62	0.75	-	68,68,68,68	0
55	MG	CA	3343	1/1	0.76	0.15	-	54,54,54,54	0
55	MG	AA	4153	1/1	0.82	0.47	-	62,62,62,62	0
55	MG	CA	3852	1/1	0.93	0.16	-	30,30,30,30	0
55	MG	AA	4002	1/1	0.81	0.68	-	130,130,130,130	0
55	MG	AA	4195	1/1	0.95	0.17	-	21,21,21,21	0
55	MG	CA	4313	1/1	0.93	0.12	-	41,41,41,41	0
55	MG	AM	202	1/1	0.81	0.38	-	52,52,52,52	0
55	MG	AA	4014	1/1	0.84	0.25	-	80,80,80,80	0
55	MG	BA	1858	1/1	0.97	0.14	-	88,88,88,88	0
55	MG	BA	2168	1/1	0.88	0.36	-	59,59,59,59	0
55	MG	CA	3412	1/1	0.65	0.17	-	57,57,57,57	0
55	MG	BW	119	1/1	0.89	0.17	-	73,73,73,73	0
55	MG	BA	1707	1/1	0.95	0.60	-	38,38,38,38	0
55	MG	BA	1793	1/1	0.75	0.19	-	73,73,73,73	0
55	MG	BW	101	1/1	0.90	0.23	-	106,106,106,106	0
55	MG	CA	3449	1/1	0.76	0.15	-	49,49,49,49	0
55	MG	CA	3359	1/1	0.82	0.39	-	43,43,43,43	0
55	MG	CA	3927	1/1	0.82	0.40	-	64,64,64,64	0
55	MG	AA	4674	1/1	0.94	0.32	-	50,50,50,50	0
55	MG	DA	2125	1/1	0.53	0.67	-	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	2987	1/1	0.87	0.40	-	67,67,67,67	0
55	MG	C4	103	1/1	0.79	0.42	-	74,74,74,74	0
55	MG	AA	4634	1/1	0.82	0.47	-	86,86,86,86	0
55	MG	CA	4253	1/1	0.86	0.23	-	53,53,53,53	0
55	MG	DA	1958	1/1	0.96	0.27	-	18,18,18,18	0
55	MG	AA	5058	1/1	0.88	0.26	-	49,49,49,49	0
55	MG	BA	1768	1/1	0.95	0.15	-	89,89,89,89	0
55	MG	DA	2174	1/1	0.89	0.23	-	65,65,65,65	0
55	MG	AA	4390	1/1	0.86	0.37	-	59,59,59,59	0
55	MG	CA	3898	1/1	0.71	0.46	-	65,65,65,65	0
55	MG	DA	2094	1/1	0.90	0.56	-	44,44,44,44	0
55	MG	CA	4008	1/1	0.71	0.31	-	61,61,61,61	0
55	MG	DA	2140	1/1	0.57	0.19	-	107,107,107,107	0
55	MG	CA	4163	1/1	0.78	0.44	-	64,64,64,64	0
55	MG	AA	5007	1/1	0.84	0.28	-	60,60,60,60	0
55	MG	CA	4100	1/1	0.80	0.41	-	65,65,65,65	0
55	MG	DA	1635	1/1	0.91	0.50	-	93,93,93,93	0
55	MG	CA	3060	1/1	0.77	0.30	-	100,100,100,100	0
55	MG	CA	4325	1/1	0.76	0.42	-	72,72,72,72	0
55	MG	AA	4045	1/1	0.86	0.27	-	72,72,72,72	0
55	MG	CA	3883	1/1	0.68	0.94	-	77,77,77,77	0
55	MG	CA	3435	1/1	0.78	0.66	-	45,45,45,45	0
55	MG	BW	114	1/1	0.85	0.18	-	58,58,58,58	0
55	MG	AA	4538	1/1	0.94	0.09	-	65,65,65,65	0
55	MG	AA	4992	1/1	0.69	0.36	-	48,48,48,48	0
55	MG	AA	4091	1/1	0.89	0.15	-	41,41,41,41	0
55	MG	AA	5146	1/1	0.52	0.36	-	110,110,110,110	0
55	MG	AA	4504	1/1	0.91	0.36	-	67,67,67,67	0
55	MG	BW	112	1/1	0.92	0.24	-	97,97,97,97	0
55	MG	AA	5075	1/1	0.75	0.48	-	49,49,49,49	0
55	MG	CA	3132	1/1	0.93	0.25	-	16,16,16,16	0
55	MG	DA	2011	1/1	0.77	0.27	-	79,79,79,79	0
55	MG	AA	4436	1/1	0.55	0.27	-	76,76,76,76	0
55	MG	AA	4969	1/1	0.96	0.16	-	68,68,68,68	0
55	MG	CA	2983	1/1	0.85	0.23	-	64,64,64,64	0
55	MG	AV	202	1/1	0.97	0.25	-	56,56,56,56	0
55	MG	CA	3875	1/1	0.90	0.42	-	56,56,56,56	0
55	MG	AA	5257	1/1	0.84	0.33	-	69,69,69,69	0
55	MG	DA	1838	1/1	0.74	0.25	-	73,73,73,73	0
55	MG	DA	2004	1/1	0.87	0.41	-	40,40,40,40	0
55	MG	BA	2068	1/1	0.69	0.33	-	69,69,69,69	0
55	MG	CA	4351	1/1	0.87	0.19	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	2934	1/1	0.81	0.34	-	59,59,59,59	0
55	MG	DA	1976	1/1	0.96	0.15	-	47,47,47,47	0
55	MG	CA	4060	1/1	0.83	0.25	-	49,49,49,49	0
55	MG	DA	1969	1/1	0.92	0.38	-	46,46,46,46	0
55	MG	BA	1823	1/1	0.59	0.38	-	103,103,103,103	0
55	MG	CA	4394	1/1	0.79	0.67	-	81,81,81,81	0
55	MG	AA	5152	1/1	0.84	0.83	-	71,71,71,71	0
55	MG	CA	4228	1/1	0.64	1.47	-	74,74,74,74	0
55	MG	CA	3613	1/1	0.89	0.22	-	72,72,72,72	0
55	MG	DA	1623	1/1	0.84	0.22	-	85,85,85,85	0
55	MG	DW	116	1/1	0.93	0.20	-	129,129,129,129	0
55	MG	CA	4267	1/1	0.93	0.45	-	56,56,56,56	0
55	MG	CA	3320	1/1	0.93	0.38	-	42,42,42,42	0
55	MG	CA	4142	1/1	0.74	0.14	-	103,103,103,103	0
55	MG	BA	2016	1/1	0.76	0.28	-	47,47,47,47	0
55	MG	CA	4252	1/1	0.76	0.18	-	66,66,66,66	0
55	MG	BA	1918	1/1	0.87	0.15	-	65,65,65,65	0
55	MG	CA	3665	1/1	0.89	0.19	-	50,50,50,50	0
55	MG	DA	1872	1/1	0.74	0.87	-	96,96,96,96	0
55	MG	DW	103	1/1	0.62	0.10	-	93,93,93,93	0
55	MG	AA	4766	1/1	0.81	0.33	-	63,63,63,63	0
55	MG	BA	1899	1/1	0.83	0.49	-	79,79,79,79	0
55	MG	AA	4101	1/1	0.93	0.34	-	49,49,49,49	0
55	MG	BA	1908	1/1	0.95	0.36	-	75,75,75,75	0
55	MG	CA	3599	1/1	0.80	0.38	-	46,46,46,46	0
55	MG	AA	4022	1/1	0.94	0.24	-	66,66,66,66	0
55	MG	CA	4034	1/1	0.93	0.32	-	38,38,38,38	0
55	MG	BA	2013	1/1	0.80	1.23	-	88,88,88,88	0
55	MG	CA	4289	1/1	0.64	0.33	-	65,65,65,65	0
55	MG	CA	3950	1/1	0.76	0.32	-	75,75,75,75	0
55	MG	BA	1801	1/1	0.45	0.68	-	88,88,88,88	0
55	MG	AA	4830	1/1	0.90	0.24	-	65,65,65,65	0
55	MG	BA	1675	1/1	0.76	0.36	-	60,60,60,60	0
55	MG	CA	4078	1/1	0.95	0.47	-	44,44,44,44	0
55	MG	CA	3994	1/1	0.88	0.16	-	66,66,66,66	0
55	MG	CA	3755	1/1	0.63	0.33	-	52,52,52,52	0
55	MG	DV	105	1/1	0.91	0.10	-	55,55,55,55	0
55	MG	AA	5060	1/1	0.80	0.35	-	54,54,54,54	0
55	MG	CA	3458	1/1	0.86	0.41	-	68,68,68,68	0
55	MG	DA	2048	1/1	0.91	0.38	-	52,52,52,52	0
55	MG	CA	3506	1/1	0.93	0.31	-	25,25,25,25	0
55	MG	AB	220	1/1	0.85	0.32	-	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3166	1/1	0.80	0.74	-	44,44,44,44	0
55	MG	DA	1719	1/1	0.96	0.25	-	42,42,42,42	0
55	MG	BA	2032	1/1	0.84	0.54	-	59,59,59,59	0
55	MG	AA	4047	1/1	0.59	0.46	-	65,65,65,65	0
55	MG	DA	1697	1/1	0.88	0.47	-	57,57,57,57	0
55	MG	BA	1735	1/1	0.92	0.07	-	47,47,47,47	0
55	MG	AA	4394	1/1	0.91	0.23	-	47,47,47,47	0
55	MG	AA	4810	1/1	0.71	0.42	-	74,74,74,74	0
55	MG	AA	4977	1/1	0.96	0.22	-	33,33,33,33	0
55	MG	DA	1764	1/1	0.84	0.56	-	71,71,71,71	0
55	MG	DA	1786	1/1	0.79	0.14	-	93,93,93,93	0
55	MG	AA	4243	1/1	0.80	0.37	-	45,45,45,45	0
55	MG	DA	1851	1/1	0.96	0.28	-	102,102,102,102	0
55	MG	BA	2045	1/1	0.94	0.32	-	56,56,56,56	0
55	MG	CA	3490	1/1	0.96	0.45	-	146,146,146,146	0
55	MG	CA	3634	1/1	0.86	0.59	-	118,118,118,118	0
55	MG	CA	4388	1/1	0.77	0.46	-	59,59,59,59	0
55	MG	DA	1620	1/1	0.87	0.20	-	101,101,101,101	0
55	MG	AA	4191	1/1	0.93	0.54	-	14,14,14,14	0
55	MG	AA	4920	1/1	0.90	0.15	-	75,75,75,75	0
55	MG	CA	2949	1/1	0.93	0.15	-	81,81,81,81	0
55	MG	CA	3697	1/1	0.82	0.54	-	71,71,71,71	0
55	MG	DA	2093	1/1	0.90	0.19	-	89,89,89,89	0
55	MG	CB	246	1/1	0.94	0.15	-	53,53,53,53	0
55	MG	CA	4122	1/1	0.76	0.77	-	49,49,49,49	0
55	MG	CA	4150	1/1	0.83	0.57	-	75,75,75,75	0
55	MG	CA	3090	1/1	0.57	0.41	-	82,82,82,82	0
55	MG	CA	4146	1/1	0.79	0.43	-	47,47,47,47	0
55	MG	DA	2019	1/1	0.85	0.58	-	62,62,62,62	0
55	MG	CA	4362	1/1	0.68	0.42	-	58,58,58,58	0
55	MG	DA	2012	1/1	0.81	0.33	-	65,65,65,65	0
55	MG	BA	1905	1/1	0.76	0.39	-	64,64,64,64	0
55	MG	CA	3936	1/1	0.58	0.54	-	82,82,82,82	0
55	MG	AA	4473	1/1	0.62	0.51	-	91,91,91,91	0
55	MG	BA	1798	1/1	0.88	0.23	-	60,60,60,60	0
55	MG	CO	201	1/1	0.89	0.17	-	43,43,43,43	0
55	MG	AA	4332	1/1	0.86	0.34	-	53,53,53,53	0
55	MG	CA	3100	1/1	0.72	0.30	-	86,86,86,86	0
55	MG	CA	3479	1/1	0.80	0.14	-	45,45,45,45	0
55	MG	CA	4067	1/1	0.87	0.31	-	50,50,50,50	0
55	MG	CA	3818	1/1	0.94	0.57	-	72,72,72,72	0
55	MG	AA	5246	1/1	0.82	0.29	-	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5291	1/1	0.96	0.26	-	78,78,78,78	0
55	MG	AA	4867	1/1	0.98	0.31	-	44,44,44,44	0
55	MG	BA	1680	1/1	0.74	0.44	-	72,72,72,72	0
55	MG	DA	1959	1/1	0.93	0.22	-	45,45,45,45	0
55	MG	AA	4636	1/1	0.96	0.29	-	102,102,102,102	0
55	MG	AA	5173	1/1	0.74	0.27	-	68,68,68,68	0
55	MG	DA	1668	1/1	0.86	0.87	-	93,93,93,93	0
55	MG	BA	1653	1/1	0.04	0.77	-	76,76,76,76	0
55	MG	DA	1801	1/1	0.95	0.10	-	79,79,79,79	0
55	MG	DA	2100	1/1	0.88	0.17	-	48,48,48,48	0
55	MG	AA	4110	1/1	0.61	0.59	-	89,89,89,89	0
55	MG	DA	2128	1/1	0.90	0.19	-	40,40,40,40	0
55	MG	AB	249	1/1	0.84	0.15	-	73,73,73,73	0
55	MG	DA	1737	1/1	0.92	0.32	-	51,51,51,51	0
55	MG	CA	3805	1/1	0.59	0.24	-	72,72,72,72	0
55	MG	BA	1679	1/1	0.83	0.34	-	46,46,46,46	0
55	MG	AA	4061	1/1	0.60	0.34	-	52,52,52,52	0
55	MG	AA	4548	1/1	0.88	0.19	-	78,78,78,78	0
55	MG	AA	4400	1/1	0.94	0.32	-	40,40,40,40	0
55	MG	BW	106	1/1	0.70	0.18	-	91,91,91,91	0
55	MG	AA	4713	1/1	0.82	0.22	-	87,87,87,87	0
55	MG	BA	1642	1/1	0.80	0.68	-	67,67,67,67	0
55	MG	CA	4329	1/1	0.95	0.36	-	48,48,48,48	0
55	MG	CA	4000	1/1	0.87	0.23	-	47,47,47,47	0
55	MG	CA	4389	1/1	0.67	0.19	-	93,93,93,93	0
55	MG	BA	2095	1/1	0.97	0.19	-	68,68,68,68	0
55	MG	CA	3866	1/1	0.79	0.30	-	65,65,65,65	0
55	MG	CA	3005	1/1	0.87	0.53	-	91,91,91,91	0
55	MG	AA	5198	1/1	0.80	0.17	-	62,62,62,62	0
55	MG	CA	3719	1/1	0.84	0.13	-	46,46,46,46	0
55	MG	AA	4511	1/1	0.78	1.17	-	71,71,71,71	0
55	MG	AA	5085	1/1	0.88	0.32	-	77,77,77,77	0
55	MG	CA	4047	1/1	0.91	0.32	-	38,38,38,38	0
55	MG	AA	4035	1/1	0.79	0.44	-	65,65,65,65	0
55	MG	CA	3413	1/1	0.95	0.76	-	48,48,48,48	0
55	MG	CA	3641	1/1	0.65	0.34	-	57,57,57,57	0
55	MG	AA	4541	1/1	0.85	0.36	-	78,78,78,78	0
55	MG	AA	4359	1/1	0.97	0.11	-	50,50,50,50	0
55	MG	AA	5160	1/1	0.74	0.44	-	55,55,55,55	0
55	MG	CA	2974	1/1	0.81	0.13	-	59,59,59,59	0
55	MG	BA	1870	1/1	0.82	0.10	-	92,92,92,92	0
55	MG	CA	4255	1/1	0.85	0.14	-	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AB	207	1/1	0.85	0.20	-	59,59,59,59	0
55	MG	DA	1738	1/1	0.85	0.57	-	40,40,40,40	0
55	MG	CA	3112	1/1	0.93	0.46	-	14,14,14,14	0
55	MG	BA	1902	1/1	0.63	0.45	-	63,63,63,63	0
55	MG	CA	3010	1/1	0.78	0.67	-	65,65,65,65	0
55	MG	CA	3029	1/1	0.95	0.13	-	79,79,79,79	0
55	MG	AA	4886	1/1	0.97	0.11	-	42,42,42,42	0
55	MG	DA	1876	1/1	0.89	0.34	-	56,56,56,56	0
55	MG	BV	126	1/1	0.85	0.39	-	75,75,75,75	0
55	MG	CA	2972	1/1	0.59	0.92	-	64,64,64,64	0
55	MG	CX	102	1/1	0.96	0.16	-	18,18,18,18	0
55	MG	DA	1636	1/1	0.91	0.32	-	50,50,50,50	0
55	MG	DA	1970	1/1	0.81	0.34	-	30,30,30,30	0
55	MG	CA	3015	1/1	0.83	0.20	-	71,71,71,71	0
55	MG	DA	2092	1/1	0.84	0.12	-	70,70,70,70	0
55	MG	DA	2185	1/1	0.97	0.34	-	62,62,62,62	0
55	MG	AA	5150	1/1	0.92	0.21	-	82,82,82,82	0
55	MG	CA	4295	1/1	0.90	0.45	-	42,42,42,42	0
55	MG	AA	4193	1/1	0.98	0.28	-	11,11,11,11	0
55	MG	BA	2077	1/1	0.67	0.38	-	72,72,72,72	0
55	MG	AA	4509	1/1	0.91	0.40	-	55,55,55,55	0
55	MG	CA	3859	1/1	0.79	0.49	-	96,96,96,96	0
55	MG	BA	2093	1/1	0.58	0.63	-	75,75,75,75	0
55	MG	CA	3019	1/1	0.97	0.20	-	130,130,130,130	0
55	MG	CA	4225	1/1	0.82	0.48	-	48,48,48,48	0
55	MG	CA	4155	1/1	0.86	0.42	-	54,54,54,54	0
55	MG	CA	3372	1/1	0.83	0.18	-	38,38,38,38	0
55	MG	DA	2079	1/1	0.89	0.29	-	57,57,57,57	0
55	MG	AA	4679	1/1	0.93	0.33	-	40,40,40,40	0
55	MG	CA	3718	1/1	0.76	0.42	-	71,71,71,71	0
55	MG	AB	237	1/1	0.52	0.64	-	72,72,72,72	0
55	MG	AA	4329	1/1	0.81	0.47	-	76,76,76,76	0
55	MG	CA	4214	1/1	0.80	0.29	-	63,63,63,63	0
55	MG	CA	3607	1/1	0.82	0.37	-	47,47,47,47	0
55	MG	CA	4341	1/1	0.83	0.35	-	51,51,51,51	0
55	MG	DA	1656	1/1	0.89	0.13	-	96,96,96,96	0
55	MG	BA	1822	1/1	0.93	0.14	-	61,61,61,61	0
55	MG	CA	3197	1/1	0.81	0.45	-	28,28,28,28	0
55	MG	AA	4869	1/1	0.97	0.10	-	61,61,61,61	0
55	MG	DA	1961	1/1	0.93	0.35	-	43,43,43,43	0
55	MG	CA	3461	1/1	0.95	0.62	-	45,45,45,45	0
55	MG	CA	3014	1/1	0.88	0.37	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BW	110	1/1	0.95	0.07	-	47,47,47,47	0
55	MG	BA	2144	1/1	0.94	0.15	-	92,92,92,92	0
55	MG	BA	1673	1/1	0.64	0.41	-	66,66,66,66	0
55	MG	DA	1892	1/1	0.95	0.10	-	77,77,77,77	0
55	MG	CA	3720	1/1	0.70	0.71	-	60,60,60,60	0
55	MG	DV	118	1/1	0.79	0.21	-	78,78,78,78	0
55	MG	DA	2155	1/1	0.73	0.14	-	83,83,83,83	0
55	MG	BA	1663	1/1	0.85	0.44	-	95,95,95,95	0
55	MG	AA	4337	1/1	0.87	0.38	-	24,24,24,24	0
55	MG	AA	4040	1/1	0.78	0.38	-	60,60,60,60	0
55	MG	DV	101	1/1	0.84	0.22	-	103,103,103,103	0
55	MG	CA	3384	1/1	0.90	0.38	-	49,49,49,49	0
55	MG	CA	4153	1/1	0.85	0.24	-	57,57,57,57	0
55	MG	AA	4987	1/1	0.73	0.15	-	78,78,78,78	0
55	MG	CB	201	1/1	0.97	0.12	-	61,61,61,61	0
55	MG	CA	4198	1/1	0.87	0.64	-	93,93,93,93	0
55	MG	BA	1677	1/1	0.95	0.28	-	71,71,71,71	0
55	MG	AA	5271	1/1	0.68	0.24	-	82,82,82,82	0
55	MG	CA	3942	1/1	0.75	0.43	-	60,60,60,60	0
55	MG	AA	4499	1/1	0.71	0.43	-	74,74,74,74	0
55	MG	AA	5225	1/1	0.86	0.11	-	56,56,56,56	0
55	MG	AA	4905	1/1	0.79	0.07	-	71,71,71,71	0
55	MG	CA	4292	1/1	0.89	0.27	-	64,64,64,64	0
55	MG	AA	4255	1/1	0.92	0.21	-	23,23,23,23	0
55	MG	CA	3229	1/1	0.82	0.18	-	45,45,45,45	0
55	MG	AB	235	1/1	0.93	0.36	-	53,53,53,53	0
55	MG	CA	3472	1/1	0.79	0.34	-	50,50,50,50	0
55	MG	CA	3941	1/1	0.56	0.53	-	58,58,58,58	0
55	MG	AA	4999	1/1	0.41	0.19	-	100,100,100,100	0
55	MG	CA	3940	1/1	0.91	0.79	-	44,44,44,44	0
55	MG	CA	3976	1/1	0.97	0.09	-	14,14,14,14	0
55	MG	CA	3612	1/1	0.95	0.18	-	50,50,50,50	0
55	MG	CA	3529	1/1	0.43	0.18	-	78,78,78,78	0
55	MG	AA	4584	1/1	0.60	0.53	-	67,67,67,67	0
55	MG	BA	1792	1/1	0.33	1.81	-	76,76,76,76	0
55	MG	AA	4142	1/1	0.66	0.35	-	65,65,65,65	0
55	MG	CA	2904	1/1	0.94	0.28	-	49,49,49,49	0
55	MG	DA	2117	1/1	0.58	0.50	-	68,68,68,68	0
55	MG	AA	4173	1/1	0.92	0.31	-	34,34,34,34	0
55	MG	BA	1880	1/1	0.92	0.42	-	135,135,135,135	0
55	MG	DA	2129	1/1	0.64	0.21	-	72,72,72,72	0
55	MG	AA	4775	1/1	0.88	0.14	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1840	1/1	0.95	0.13	-	68,68,68,68	0
55	MG	BA	1929	1/1	0.74	0.47	-	72,72,72,72	0
55	MG	AA	4915	1/1	0.87	0.33	-	64,64,64,64	0
55	MG	CA	3204	1/1	0.95	0.11	-	38,38,38,38	0
55	MG	AA	4457	1/1	0.97	0.25	-	71,71,71,71	0
55	MG	AA	4019	1/1	0.88	0.12	-	85,85,85,85	0
55	MG	DW	118	1/1	0.90	0.40	-	157,157,157,157	0
55	MG	AA	5167	1/1	0.87	0.36	-	58,58,58,58	0
55	MG	CA	3638	1/1	0.89	0.49	-	44,44,44,44	0
55	MG	CA	3731	1/1	0.80	0.32	-	53,53,53,53	0
55	MG	AA	4763	1/1	0.68	0.62	-	137,137,137,137	0
55	MG	AA	4049	1/1	0.90	0.14	-	60,60,60,60	0
55	MG	AA	5221	1/1	0.85	0.49	-	55,55,55,55	0
55	MG	CA	3279	1/1	0.93	0.24	-	36,36,36,36	0
55	MG	CA	2981	1/1	0.71	0.46	-	48,48,48,48	0
55	MG	CA	3763	1/1	0.92	0.79	-	62,62,62,62	0
55	MG	CA	4112	1/1	0.70	0.16	-	49,49,49,49	0
55	MG	AA	4454	1/1	0.80	0.30	-	49,49,49,49	0
55	MG	CA	3749	1/1	0.80	0.41	-	105,105,105,105	0
55	MG	AA	4309	1/1	0.80	0.29	-	57,57,57,57	0
55	MG	CA	3478	1/1	0.93	0.35	-	48,48,48,48	0
55	MG	AA	4071	1/1	0.87	0.24	-	54,54,54,54	0
55	MG	BA	1813	1/1	0.87	0.69	-	60,60,60,60	0
55	MG	CA	3572	1/1	0.91	0.18	-	59,59,59,59	0
55	MG	AA	4758	1/1	0.80	0.31	-	71,71,71,71	0
55	MG	DA	2066	1/1	0.78	0.52	-	55,55,55,55	0
55	MG	BW	105	1/1	0.63	0.12	-	69,69,69,69	0
55	MG	CA	4017	1/1	0.80	0.32	-	48,48,48,48	0
55	MG	AA	4302	1/1	0.95	0.07	-	28,28,28,28	0
55	MG	CA	4324	1/1	0.90	0.32	-	79,79,79,79	0
55	MG	AA	4287	1/1	0.91	0.41	-	40,40,40,40	0
55	MG	AA	4518	1/1	0.88	0.56	-	98,98,98,98	0
55	MG	AA	4633	1/1	0.83	0.54	-	59,59,59,59	0
55	MG	AA	5195	1/1	0.85	0.34	-	80,80,80,80	0
55	MG	AA	5261	1/1	0.95	0.17	-	73,73,73,73	0
55	MG	AA	4362	1/1	0.84	0.53	-	49,49,49,49	0
55	MG	CB	220	1/1	0.74	0.18	-	31,31,31,31	0
55	MG	AA	5204	1/1	0.84	0.40	-	71,71,71,71	0
55	MG	CB	236	1/1	0.85	0.35	-	93,93,93,93	0
55	MG	CA	3926	1/1	0.83	0.59	-	45,45,45,45	0
55	MG	BA	2164	1/1	0.96	0.15	-	40,40,40,40	0
55	MG	CA	3457	1/1	0.90	0.42	-	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	1912	1/1	0.56	0.18	-	88,88,88,88	0
55	MG	CA	3869	1/1	0.86	0.23	-	43,43,43,43	0
55	MG	CA	3794	1/1	0.96	0.54	-	106,106,106,106	0
55	MG	AA	4595	1/1	0.82	0.45	-	62,62,62,62	0
55	MG	AA	4381	1/1	0.88	0.35	-	79,79,79,79	0
55	MG	AA	4966	1/1	0.95	0.12	-	58,58,58,58	0
55	MG	DV	116	1/1	0.66	0.13	-	77,77,77,77	0
55	MG	BA	2157	1/1	0.85	0.39	-	49,49,49,49	0
55	MG	AA	4410	1/1	0.96	0.46	-	65,65,65,65	0
55	MG	BA	2051	1/1	0.78	0.21	-	71,71,71,71	0
55	MG	CA	3363	1/1	0.90	0.36	-	22,22,22,22	0
55	MG	AA	5040	1/1	0.83	0.50	-	64,64,64,64	0
55	MG	CA	3622	1/1	0.85	0.49	-	53,53,53,53	0
55	MG	DA	1919	1/1	0.81	0.27	-	66,66,66,66	0
55	MG	AA	4930	1/1	0.90	0.28	-	39,39,39,39	0
55	MG	DA	1909	1/1	0.80	0.33	-	73,73,73,73	0
55	MG	CA	3925	1/1	0.89	0.29	-	69,69,69,69	0
55	MG	CA	3262	1/1	0.90	0.10	-	44,44,44,44	0
55	MG	CA	3822	1/1	0.92	0.51	-	57,57,57,57	0
55	MG	AA	4254	1/1	0.87	0.53	-	33,33,33,33	0
55	MG	AA	4862	1/1	0.94	0.18	-	30,30,30,30	0
55	MG	DA	1627	1/1	0.94	0.26	-	89,89,89,89	0
55	MG	CA	3309	1/1	0.80	0.64	-	61,61,61,61	0
55	MG	CA	3082	1/1	0.48	0.76	-	113,113,113,113	0
55	MG	AA	4648	1/1	0.85	0.26	-	70,70,70,70	0
55	MG	AA	4006	1/1	0.75	0.37	-	59,59,59,59	0
55	MG	BA	1672	1/1	0.88	0.22	-	60,60,60,60	0
55	MG	AA	4877	1/1	0.87	0.25	-	48,48,48,48	0
55	MG	AA	4841	1/1	0.77	0.45	-	67,67,67,67	0
55	MG	BA	1873	1/1	0.94	0.64	-	80,80,80,80	0
55	MG	CA	3040	1/1	0.76	0.28	-	60,60,60,60	0
55	MG	AD	304	1/1	0.84	0.34	-	84,84,84,84	0
55	MG	CA	3037	1/1	0.76	0.18	-	66,66,66,66	0
55	MG	AA	5062	1/1	0.85	0.35	-	56,56,56,56	0
55	MG	DA	1808	1/1	0.93	0.30	-	61,61,61,61	0
55	MG	AA	5115	1/1	0.79	0.27	-	65,65,65,65	0
55	MG	DA	1946	1/1	0.89	0.20	-	86,86,86,86	0
55	MG	BW	117	1/1	0.74	0.44	-	77,77,77,77	0
55	MG	CA	4222	1/1	0.71	1.08	-	62,62,62,62	0
55	MG	BA	1955	1/1	0.90	0.23	-	24,24,24,24	0
55	MG	AA	4556	1/1	0.61	0.27	-	80,80,80,80	0
55	MG	CA	2991	1/1	0.87	0.34	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4037	1/1	0.80	0.36	-	62,62,62,62	0
55	MG	CA	4105	1/1	0.66	0.17	-	60,60,60,60	0
55	MG	CA	4340	1/1	0.77	0.32	-	40,40,40,40	0
55	MG	AA	4943	1/1	0.82	0.36	-	45,45,45,45	0
55	MG	DA	2072	1/1	0.74	0.30	-	49,49,49,49	0
55	MG	CA	3837	1/1	0.74	0.38	-	71,71,71,71	0
55	MG	DA	2204	1/1	0.84	0.20	-	66,66,66,66	0
55	MG	CA	3533	1/1	0.93	0.26	-	52,52,52,52	0
55	MG	CA	4233	1/1	0.66	1.39	-	76,76,76,76	0
55	MG	CA	3598	1/1	0.89	0.30	-	81,81,81,81	0
55	MG	AA	4660	1/1	0.87	1.25	-	140,140,140,140	0
55	MG	AA	4807	1/1	0.26	0.92	-	88,88,88,88	0
55	MG	DA	1604	1/1	0.81	0.43	-	101,101,101,101	0
55	MG	AA	5182	1/1	0.85	0.50	-	52,52,52,52	0
55	MG	CA	2980	1/1	0.89	0.18	-	67,67,67,67	0
55	MG	CA	3056	1/1	0.84	0.49	-	47,47,47,47	0
55	MG	DW	119	1/1	0.75	0.37	-	49,49,49,49	0
55	MG	CA	4165	1/1	0.87	0.13	-	37,37,37,37	0
55	MG	AA	4450	1/1	0.96	0.19	-	62,62,62,62	0
55	MG	DA	2152	1/1	0.69	0.15	-	69,69,69,69	0
55	MG	BA	2120	1/1	0.98	0.33	-	65,65,65,65	0
55	MG	CA	3800	1/1	0.66	0.51	-	92,92,92,92	0
55	MG	CA	3442	1/1	0.83	0.11	-	45,45,45,45	0
55	MG	AA	4825	1/1	0.65	0.25	-	84,84,84,84	0
55	MG	CA	3089	1/1	0.64	0.13	-	81,81,81,81	0
55	MG	CA	3213	1/1	0.94	0.12	-	14,14,14,14	0
55	MG	CA	3693	1/1	0.98	0.34	-	59,59,59,59	0
55	MG	CA	4038	1/1	0.93	0.55	-	45,45,45,45	0
55	MG	DA	1980	1/1	0.91	0.45	-	49,49,49,49	0
55	MG	BV	107	1/1	0.75	0.16	-	68,68,68,68	0
55	MG	AA	4535	1/1	0.79	0.59	-	70,70,70,70	0
55	MG	CA	3528	1/1	0.73	0.43	-	43,43,43,43	0
55	MG	CA	3840	1/1	0.97	0.33	-	63,63,63,63	0
55	MG	CA	4246	1/1	0.93	0.17	-	51,51,51,51	0
55	MG	CA	3717	1/1	0.92	0.46	-	71,71,71,71	0
55	MG	CA	3931	1/1	0.92	0.37	-	75,75,75,75	0
55	MG	CA	3440	1/1	0.79	0.28	-	52,52,52,52	0
55	MG	CA	4030	1/1	0.78	0.27	-	37,37,37,37	0
55	MG	CA	3272	1/1	0.93	0.72	-	36,36,36,36	0
55	MG	CA	4366	1/1	0.78	0.34	-	70,70,70,70	0
55	MG	BA	2104	1/1	0.87	0.25	-	62,62,62,62	0
55	MG	BA	2136	1/1	0.92	0.20	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4948	1/1	0.73	0.34	-	56,56,56,56	0
55	MG	CA	3676	1/1	0.95	0.22	-	61,61,61,61	0
55	MG	BA	1718	1/1	0.97	0.24	-	30,30,30,30	0
55	MG	CA	3191	1/1	0.90	0.11	-	36,36,36,36	0
55	MG	DI	201	1/1	0.65	0.54	-	72,72,72,72	0
55	MG	CA	4091	1/1	0.91	0.18	-	48,48,48,48	0
55	MG	DA	1676	1/1	0.30	0.42	-	71,71,71,71	0
55	MG	CA	3243	1/1	0.87	0.54	-	54,54,54,54	0
55	MG	DA	1641	1/1	0.97	0.51	-	86,86,86,86	0
55	MG	BA	1670	1/1	0.92	0.09	-	78,78,78,78	0
55	MG	AA	4602	1/1	0.36	0.19	-	134,134,134,134	0
55	MG	AA	4788	1/1	0.49	0.67	-	55,55,55,55	0
55	MG	CA	3811	1/1	0.92	0.28	-	72,72,72,72	0
55	MG	BA	1732	1/1	0.94	0.13	-	42,42,42,42	0
55	MG	BA	1846	1/1	0.72	0.33	-	87,87,87,87	0
55	MG	CA	3689	1/1	0.85	0.19	-	47,47,47,47	0
55	MG	DA	1776	1/1	0.95	0.10	-	48,48,48,48	0
55	MG	AA	5022	1/1	0.91	0.48	-	55,55,55,55	0
55	MG	DA	1962	1/1	0.91	0.45	-	39,39,39,39	0
55	MG	AA	5136	1/1	0.79	0.39	-	62,62,62,62	0
55	MG	AA	4313	1/1	0.67	0.38	-	39,39,39,39	0
55	MG	BA	1938	1/1	0.96	0.75	-	78,78,78,78	0
55	MG	BV	116	1/1	0.72	0.43	-	74,74,74,74	0
55	MG	AA	4212	1/1	0.86	0.61	-	39,39,39,39	0
55	MG	BA	1825	1/1	0.92	0.15	-	62,62,62,62	0
55	MG	BA	1741	1/1	0.91	0.23	-	56,56,56,56	0
55	MG	CA	3362	1/1	0.90	0.41	-	64,64,64,64	0
55	MG	CA	4211	1/1	0.80	0.30	-	67,67,67,67	0
55	MG	DA	2042	1/1	0.81	0.38	-	87,87,87,87	0
55	MG	CA	4157	1/1	0.37	0.84	-	63,63,63,63	0
55	MG	CA	3739	1/1	0.83	0.43	-	45,45,45,45	0
55	MG	CA	3294	1/1	0.93	0.14	-	31,31,31,31	0
55	MG	CA	3867	1/1	0.91	0.21	-	53,53,53,53	0
55	MG	DA	2111	1/1	0.88	0.23	-	52,52,52,52	0
55	MG	DV	107	1/1	0.96	0.19	-	69,69,69,69	0
55	MG	CA	4006	1/1	0.87	0.17	-	33,33,33,33	0
55	MG	AA	4058	1/1	0.92	0.20	-	76,76,76,76	0
55	MG	BA	2038	1/1	0.74	0.27	-	51,51,51,51	0
55	MG	AA	4658	1/1	0.97	0.28	-	56,56,56,56	0
55	MG	CA	4350	1/1	0.78	0.40	-	77,77,77,77	0
55	MG	DA	1911	1/1	0.76	0.24	-	58,58,58,58	0
55	MG	DA	2179	1/1	0.71	0.35	-	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4782	1/1	0.95	0.30	-	73,73,73,73	0
55	MG	AA	4848	1/1	0.87	0.17	-	30,30,30,30	0
55	MG	AA	5169	1/1	0.73	0.92	-	71,71,71,71	0
55	MG	BA	1980	1/1	0.76	0.38	-	53,53,53,53	0
55	MG	AA	4958	1/1	0.69	0.42	-	78,78,78,78	0
55	MG	BA	1693	1/1	0.91	0.19	-	43,43,43,43	0
55	MG	CA	4320	1/1	0.91	0.08	-	59,59,59,59	0
55	MG	AA	4718	1/1	0.46	0.20	-	89,89,89,89	0
55	MG	BA	1710	1/1	0.97	0.18	-	43,43,43,43	0
55	MG	BA	2019	1/1	0.54	0.28	-	83,83,83,83	0
55	MG	CA	4243	1/1	0.68	0.29	-	68,68,68,68	0
55	MG	AA	4440	1/1	0.93	0.07	-	60,60,60,60	0
55	MG	CA	3842	1/1	0.77	0.32	-	71,71,71,71	0
55	MG	DA	1875	1/1	0.86	0.20	-	77,77,77,77	0
55	MG	AA	4129	1/1	0.78	0.41	-	66,66,66,66	0
55	MG	CA	2952	1/1	0.60	0.19	-	130,130,130,130	0
55	MG	AA	4935	1/1	0.82	0.59	-	46,46,46,46	0
55	MG	AA	4936	1/1	0.93	0.12	-	46,46,46,46	0
55	MG	CA	3052	1/1	0.78	0.39	-	86,86,86,86	0
55	MG	CA	4241	1/1	0.84	0.26	-	86,86,86,86	0
55	MG	AA	4259	1/1	0.81	0.64	-	42,42,42,42	0
55	MG	AA	5127	1/1	0.88	0.09	-	83,83,83,83	0
55	MG	CA	4130	1/1	0.89	0.31	-	49,49,49,49	0
55	MG	BA	1763	1/1	0.88	0.28	-	54,54,54,54	0
55	MG	AA	5209	1/1	0.97	0.32	-	51,51,51,51	0
55	MG	AB	227	1/1	0.72	0.28	-	95,95,95,95	0
55	MG	BA	1840	1/1	0.45	0.44	-	96,96,96,96	0
55	MG	BA	2123	1/1	0.75	0.86	-	82,82,82,82	0
55	MG	CA	2938	1/1	0.75	0.79	-	107,107,107,107	0
55	MG	DL	201	1/1	0.88	0.46	-	58,58,58,58	0
55	MG	CA	3392	1/1	0.96	0.25	-	25,25,25,25	0
55	MG	AA	4330	1/1	0.94	0.12	-	72,72,72,72	0
55	MG	DA	1929	1/1	0.46	0.20	-	93,93,93,93	0
55	MG	DA	1906	1/1	0.89	0.10	-	79,79,79,79	0
55	MG	DA	1679	1/1	0.76	0.38	-	41,41,41,41	0
55	MG	BA	1832	1/1	0.94	0.45	-	83,83,83,83	0
55	MG	BA	1806	1/1	0.92	0.17	-	56,56,56,56	0
55	MG	CA	3033	1/1	0.86	0.27	-	61,61,61,61	0
55	MG	AA	4760	1/1	0.66	0.37	-	89,89,89,89	0
55	MG	AA	5234	1/1	0.91	0.31	-	61,61,61,61	0
55	MG	BA	2126	1/1	0.76	0.61	-	106,106,106,106	0
55	MG	AB	232	1/1	0.88	0.13	-	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4282	1/1	0.79	0.27	-	23,23,23,23	0
55	MG	CA	3395	1/1	0.94	0.11	-	39,39,39,39	0
55	MG	AA	4036	1/1	0.93	0.31	-	64,64,64,64	0
55	MG	DA	1933	1/1	0.68	0.58	-	61,61,61,61	0
55	MG	DA	1829	1/1	0.85	0.32	-	123,123,123,123	0
55	MG	DA	1782	1/1	0.91	0.25	-	54,54,54,54	0
55	MG	CA	3305	1/1	0.94	0.68	-	50,50,50,50	0
55	MG	BA	1819	1/1	0.64	0.23	-	67,67,67,67	0
55	MG	AA	4026	1/1	0.82	0.41	-	55,55,55,55	0
55	MG	BA	1888	1/1	0.96	0.12	-	75,75,75,75	0
55	MG	AA	4431	1/1	0.88	0.32	-	59,59,59,59	0
55	MG	CA	3861	1/1	0.82	0.24	-	56,56,56,56	0
55	MG	AA	4701	1/1	0.90	0.43	-	71,71,71,71	0
55	MG	AA	4482	1/1	0.88	0.30	-	67,67,67,67	0
55	MG	BA	2146	1/1	0.87	0.30	-	53,53,53,53	0
55	MG	CA	3651	1/1	0.67	0.16	-	70,70,70,70	0
55	MG	BA	1875	1/1	0.73	0.69	-	78,78,78,78	0
55	MG	AA	4458	1/1	0.83	0.56	-	65,65,65,65	0
55	MG	CA	3027	1/1	0.84	0.31	-	48,48,48,48	0
55	MG	BA	1669	1/1	0.83	0.21	-	60,60,60,60	0
55	MG	AA	5279	1/1	0.59	1.09	-	59,59,59,59	0
55	MG	DA	1795	1/1	0.76	0.70	-	70,70,70,70	0
55	MG	DA	1755	1/1	0.83	0.60	-	93,93,93,93	0
55	MG	AB	209	1/1	0.93	0.35	-	30,30,30,30	0
55	MG	BC	302	1/1	0.83	0.33	-	60,60,60,60	0
55	MG	CA	3907	1/1	0.90	0.50	-	79,79,79,79	0
55	MG	CA	4270	1/1	0.75	0.34	-	52,52,52,52	0
55	MG	AA	4438	1/1	0.89	0.20	-	76,76,76,76	0
55	MG	AB	229	1/1	0.94	0.08	-	45,45,45,45	0
55	MG	CA	3175	1/1	0.92	0.26	-	28,28,28,28	0
55	MG	AA	4160	1/1	0.80	0.26	-	94,94,94,94	0
55	MG	AA	4383	1/1	0.97	0.16	-	54,54,54,54	0
55	MG	CA	2954	1/1	0.61	0.35	-	76,76,76,76	0
55	MG	AA	5053	1/1	0.83	0.31	-	75,75,75,75	0
55	MG	CA	3658	1/1	0.88	0.21	-	51,51,51,51	0
55	MG	CA	3352	1/1	0.71	0.21	-	61,61,61,61	0
55	MG	AA	4857	1/1	0.88	0.36	-	28,28,28,28	0
55	MG	DA	1771	1/1	0.85	0.25	-	77,77,77,77	0
55	MG	AF	306	1/1	0.65	0.27	-	53,53,53,53	0
55	MG	CA	3748	1/1	0.84	0.09	-	56,56,56,56	0
55	MG	AA	4447	1/1	0.67	0.50	-	63,63,63,63	0
55	MG	AA	4148	1/1	0.92	0.29	-	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4112	1/1	0.65	0.28	-	92,92,92,92	0
55	MG	AA	5286	1/1	0.79	0.37	-	65,65,65,65	0
55	MG	CA	4373	1/1	0.36	0.60	-	92,92,92,92	0
55	MG	CA	4236	1/1	0.86	0.50	-	45,45,45,45	0
55	MG	AA	4445	1/1	0.78	0.16	-	61,61,61,61	0
55	MG	AA	4051	1/1	0.88	0.17	-	54,54,54,54	0
55	MG	AB	241	1/1	0.88	0.42	-	98,98,98,98	0
55	MG	CA	3183	1/1	0.96	0.29	-	19,19,19,19	0
55	MG	BA	1715	1/1	0.93	0.20	-	63,63,63,63	0
55	MG	AA	4904	1/1	0.74	0.37	-	49,49,49,49	0
55	MG	AA	4576	1/1	0.67	0.27	-	60,60,60,60	0
55	MG	DA	1910	1/1	0.76	0.46	-	104,104,104,104	0
55	MG	DA	2191	1/1	0.49	0.66	-	92,92,92,92	0
55	MG	DA	1780	1/1	0.93	1.00	-	83,83,83,83	0
55	MG	CA	4375	1/1	0.85	0.89	-	85,85,85,85	0
55	MG	CA	3447	1/1	0.74	0.21	-	57,57,57,57	0
55	MG	DA	1666	1/1	0.93	0.55	-	46,46,46,46	0
55	MG	AA	4384	1/1	0.85	0.35	-	35,35,35,35	0
55	MG	BA	2067	1/1	0.91	0.13	-	66,66,66,66	0
55	MG	CA	3820	1/1	0.93	0.33	-	100,100,100,100	0
55	MG	CB	208	1/1	0.94	0.13	-	59,59,59,59	0
55	MG	CA	3370	1/1	0.89	0.26	-	52,52,52,52	0
55	MG	BA	1754	1/1	0.91	0.22	-	68,68,68,68	0
55	MG	DL	202	1/1	0.76	0.49	-	60,60,60,60	0
55	MG	CB	218	1/1	0.88	0.54	-	46,46,46,46	0
55	MG	CA	3244	1/1	0.87	1.16	-	47,47,47,47	0
55	MG	AA	4864	1/1	0.87	0.25	-	30,30,30,30	0
55	MG	DW	121	1/1	0.90	0.25	-	62,62,62,62	0
55	MG	BA	1830	1/1	0.84	0.23	-	61,61,61,61	0
55	MG	CA	4061	1/1	0.65	0.30	-	73,73,73,73	0
55	MG	BA	1944	1/1	0.92	0.26	-	77,77,77,77	0
55	MG	CB	216	1/1	0.94	0.27	-	21,21,21,21	0
55	MG	AA	5041	1/1	0.65	0.38	-	84,84,84,84	0
55	MG	DA	2078	1/1	0.89	0.30	-	63,63,63,63	0
55	MG	DA	1879	1/1	0.97	0.21	-	80,80,80,80	0
55	MG	DA	1772	1/1	0.94	0.22	-	74,74,74,74	0
55	MG	DA	1804	1/1	0.83	0.46	-	69,69,69,69	0
55	MG	CA	2930	1/1	0.96	0.35	-	92,92,92,92	0
55	MG	DA	2015	1/1	0.91	0.16	-	50,50,50,50	0
55	MG	AA	5211	1/1	0.83	1.13	-	74,74,74,74	0
55	MG	CA	3267	1/1	0.96	0.05	-	56,56,56,56	0
55	MG	AA	4784	1/1	0.87	0.34	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	2089	1/1	0.78	0.39	-	66,66,66,66	0
55	MG	CA	2990	1/1	0.83	0.09	-	68,68,68,68	0
55	MG	AA	4060	1/1	0.91	0.42	-	84,84,84,84	0
55	MG	CA	3601	1/1	0.89	0.30	-	58,58,58,58	0
55	MG	CA	3116	1/1	0.98	0.27	-	14,14,14,14	0
55	MG	CA	3944	1/1	0.62	0.30	-	39,39,39,39	0
55	MG	DW	113	1/1	0.61	0.25	-	68,68,68,68	0
55	MG	DA	2109	1/1	0.54	0.17	-	93,93,93,93	0
55	MG	AA	5290	1/1	0.81	0.38	-	69,69,69,69	0
55	MG	CA	2982	1/1	0.82	0.47	-	69,69,69,69	0
55	MG	AA	4107	1/1	0.86	0.33	-	61,61,61,61	0
55	MG	AA	4614	1/1	0.86	0.11	-	79,79,79,79	0
55	MG	DA	1621	1/1	0.95	0.23	-	97,97,97,97	0
55	MG	AA	5016	1/1	0.86	0.52	-	68,68,68,68	0
55	MG	BA	1854	1/1	0.79	0.23	-	71,71,71,71	0
55	MG	AA	4678	1/1	0.74	0.42	-	62,62,62,62	0
55	MG	CA	3657	1/1	0.89	0.37	-	53,53,53,53	0
55	MG	CA	3236	1/1	0.92	0.45	-	31,31,31,31	0
55	MG	DA	1974	1/1	0.94	0.21	-	62,62,62,62	0
55	MG	AJ	201	1/1	0.92	0.30	-	60,60,60,60	0
55	MG	AA	4870	1/1	0.75	0.88	-	63,63,63,63	0
55	MG	BA	2107	1/1	0.92	0.19	-	57,57,57,57	0
55	MG	AA	4783	1/1	0.75	0.15	-	70,70,70,70	0
55	MG	AA	5048	1/1	0.82	0.39	-	69,69,69,69	0
55	MG	AA	4821	1/1	0.76	0.30	-	70,70,70,70	0
55	MG	CA	4183	1/1	0.58	0.84	-	71,71,71,71	0
55	MG	AA	5259	1/1	0.90	0.40	-	55,55,55,55	0
55	MG	CA	4102	1/1	0.77	0.64	-	69,69,69,69	0
55	MG	CA	4043	1/1	0.86	0.25	-	47,47,47,47	0
55	MG	CA	3703	1/1	0.89	0.20	-	57,57,57,57	0
55	MG	DA	2173	1/1	0.93	0.24	-	72,72,72,72	0
55	MG	CA	3744	1/1	0.78	0.16	-	90,90,90,90	0
55	MG	DV	102	1/1	0.93	0.11	-	54,54,54,54	0
55	MG	CA	2902	1/1	0.61	0.45	-	65,65,65,65	0
55	MG	CA	3194	1/1	0.94	0.20	-	9,9,9,9	0
55	MG	AA	4084	1/1	0.73	0.47	-	61,61,61,61	0
55	MG	BA	1921	1/1	0.78	0.23	-	42,42,42,42	0
55	MG	AB	206	1/1	0.88	0.24	-	112,112,112,112	0
55	MG	CQ	205	1/1	0.48	0.56	-	81,81,81,81	0
55	MG	CE	301	1/1	0.91	0.38	-	47,47,47,47	0
55	MG	BA	1965	1/1	0.96	0.07	-	61,61,61,61	0
55	MG	DA	1822	1/1	0.83	0.51	-	111,111,111,111	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	4392	1/1	0.91	0.29	-	67,67,67,67	0
55	MG	AA	4236	1/1	0.94	0.40	-	23,23,23,23	0
55	MG	CA	3237	1/1	0.94	0.20	-	31,31,31,31	0
55	MG	CA	4354	1/1	0.97	0.23	-	60,60,60,60	0
55	MG	CB	250	1/1	0.76	0.32	-	74,74,74,74	0
55	MG	CA	3507	1/1	0.86	0.59	-	55,55,55,55	0
55	MG	BV	129	1/1	0.71	0.16	-	92,92,92,92	0
55	MG	AA	4089	1/1	0.73	0.44	-	96,96,96,96	0
55	MG	CA	4390	1/1	0.88	0.15	-	54,54,54,54	0
55	MG	CA	4104	1/1	0.93	0.15	-	42,42,42,42	0
55	MG	CA	4176	1/1	0.83	0.28	-	68,68,68,68	0
55	MG	A4	101	1/1	0.96	0.27	-	117,117,117,117	0
55	MG	AA	5166	1/1	0.86	0.15	-	93,93,93,93	0
55	MG	BA	2137	1/1	0.78	0.60	-	75,75,75,75	0
55	MG	AA	5262	1/1	0.93	0.49	-	64,64,64,64	0
55	MG	BA	1930	1/1	0.64	0.19	-	75,75,75,75	0
55	MG	BA	2145	1/1	0.54	0.21	-	97,97,97,97	0
55	MG	AA	4186	1/1	0.92	0.25	-	10,10,10,10	0
55	MG	CA	3396	1/1	0.88	0.34	-	39,39,39,39	0
55	MG	AA	4130	1/1	0.68	0.45	-	78,78,78,78	0
55	MG	CA	3051	1/1	0.92	0.07	-	95,95,95,95	0
55	MG	DA	2070	1/1	0.87	0.18	-	90,90,90,90	0
55	MG	CA	3273	1/1	0.89	0.36	-	43,43,43,43	0
55	MG	CA	4273	1/1	0.67	0.41	-	82,82,82,82	0
55	MG	BA	1601	1/1	0.90	0.22	-	78,78,78,78	0
55	MG	AA	4365	1/1	0.84	0.24	-	39,39,39,39	0
55	MG	CA	3608	1/1	0.80	0.51	-	82,82,82,82	0
55	MG	AA	4423	1/1	0.87	0.25	-	45,45,45,45	0
55	MG	AA	4074	1/1	0.72	0.42	-	54,54,54,54	0
55	MG	BA	2014	1/1	0.87	0.26	-	58,58,58,58	0
55	MG	AA	4239	1/1	0.85	1.32	-	47,47,47,47	0
55	MG	CA	3684	1/1	0.51	0.32	-	90,90,90,90	0
55	MG	AA	4963	1/1	0.77	0.38	-	62,62,62,62	0
55	MG	CA	3790	1/1	0.98	0.48	-	111,111,111,111	0
55	MG	AA	4914	1/1	0.90	0.33	-	43,43,43,43	0
55	MG	BA	2110	1/1	0.84	0.41	-	88,88,88,88	0
55	MG	BA	1982	1/1	0.91	0.29	-	49,49,49,49	0
55	MG	CA	3474	1/1	0.88	0.41	-	55,55,55,55	0
55	MG	CA	3620	1/1	0.74	0.30	-	89,89,89,89	0
55	MG	CA	4274	1/1	0.94	0.34	-	42,42,42,42	0
55	MG	AA	4736	1/1	0.93	0.20	-	50,50,50,50	0
55	MG	CA	3373	1/1	0.92	0.13	-	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	1772	1/1	0.88	0.14	-	43,43,43,43	0
55	MG	DA	1784	1/1	0.79	0.11	-	133,133,133,133	0
55	MG	CA	4111	1/1	0.94	0.30	-	37,37,37,37	0
55	MG	CA	3728	1/1	0.92	0.32	-	77,77,77,77	0
55	MG	CA	3584	1/1	0.81	0.17	-	55,55,55,55	0
55	MG	BA	2118	1/1	0.74	0.41	-	64,64,64,64	0
55	MG	AA	5011	1/1	0.84	0.22	-	87,87,87,87	0
55	MG	CA	2968	1/1	0.85	0.54	-	74,74,74,74	0
55	MG	CA	3761	1/1	0.93	0.15	-	57,57,57,57	0
55	MG	BW	104	1/1	0.85	0.24	-	96,96,96,96	0
55	MG	BA	1613	1/1	0.96	0.39	-	69,69,69,69	0
55	MG	AB	216	1/1	0.64	0.59	-	63,63,63,63	0
55	MG	DA	1951	1/1	0.59	0.59	-	68,68,68,68	0
55	MG	BA	1916	1/1	0.82	0.72	-	65,65,65,65	0
55	MG	BA	1869	1/1	0.90	0.23	-	66,66,66,66	0
55	MG	AA	4219	1/1	0.86	0.17	-	16,16,16,16	0
55	MG	AA	4566	1/1	0.90	0.35	-	72,72,72,72	0
55	MG	CA	3021	1/1	0.83	0.42	-	68,68,68,68	0
55	MG	CA	2928	1/1	0.85	0.49	-	55,55,55,55	0
55	MG	AB	214	1/1	0.87	0.24	-	84,84,84,84	0
55	MG	AA	4673	1/1	0.92	0.28	-	49,49,49,49	0
55	MG	AA	5102	1/1	0.95	0.42	-	50,50,50,50	0
55	MG	DA	1952	1/1	0.53	0.50	-	66,66,66,66	0
55	MG	AA	5139	1/1	0.84	0.38	-	66,66,66,66	0
55	MG	CA	3025	1/1	0.92	0.21	-	46,46,46,46	0
55	MG	DA	2139	1/1	0.79	0.28	-	83,83,83,83	0
55	MG	CA	3568	1/1	0.98	0.09	-	75,75,75,75	0
55	MG	CA	3400	1/1	0.86	0.48	-	32,32,32,32	0
55	MG	CA	4107	1/1	0.89	0.19	-	52,52,52,52	0
55	MG	CA	3812	1/1	0.90	0.28	-	78,78,78,78	0
55	MG	CA	4372	1/1	0.87	0.35	-	55,55,55,55	0
55	MG	AA	4697	1/1	0.45	0.81	-	82,82,82,82	0
55	MG	AA	4321	1/1	0.91	0.51	-	53,53,53,53	0
55	MG	AA	4095	1/1	0.85	0.27	-	57,57,57,57	0
55	MG	DA	1812	1/1	0.80	0.64	-	116,116,116,116	0
55	MG	DA	1651	1/1	0.72	0.50	-	69,69,69,69	0
55	MG	CA	3145	1/1	0.77	0.17	-	22,22,22,22	0
55	MG	DA	1855	1/1	0.84	0.29	-	69,69,69,69	0
55	MG	CA	3566	1/1	0.70	0.28	-	63,63,63,63	0
55	MG	CA	3002	1/1	0.75	0.48	-	58,58,58,58	0
55	MG	CA	4227	1/1	0.92	0.21	-	53,53,53,53	0
55	MG	BA	1629	1/1	0.89	0.09	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	DA	2010	1/1	0.72	0.09	-	61,61,61,61	0
55	MG	BA	1894	1/1	0.94	0.14	-	86,86,86,86	0
55	MG	DA	2056	1/1	0.81	0.69	-	105,105,105,105	0
55	MG	AA	4818	1/1	0.77	0.41	-	79,79,79,79	0
55	MG	CA	3962	1/1	0.94	0.13	-	28,28,28,28	0
55	MG	AP	202	1/1	0.88	0.33	-	79,79,79,79	0
55	MG	AB	208	1/1	0.95	0.21	-	77,77,77,77	0
55	MG	CA	3882	1/1	0.71	0.12	-	60,60,60,60	0
55	MG	CA	3186	1/1	0.88	0.25	-	29,29,29,29	0
55	MG	BA	1833	1/1	0.69	0.59	-	55,55,55,55	0
55	MG	DA	2138	1/1	0.74	0.19	-	58,58,58,58	0
55	MG	DA	2016	1/1	0.84	0.47	-	49,49,49,49	0
55	MG	CA	3732	1/1	0.77	0.39	-	74,74,74,74	0
55	MG	CA	2964	1/1	0.80	0.30	-	56,56,56,56	0
55	MG	DA	2107	1/1	0.90	0.23	-	49,49,49,49	0
55	MG	CA	3095	1/1	0.89	0.13	-	82,82,82,82	0
55	MG	CA	3836	1/1	0.89	0.31	-	77,77,77,77	0
55	MG	CA	4242	1/1	0.72	0.40	-	47,47,47,47	0
55	MG	DV	113	1/1	0.81	0.19	-	72,72,72,72	0
55	MG	CA	3564	1/1	0.93	0.44	-	70,70,70,70	0
55	MG	CA	2986	1/1	0.78	0.30	-	51,51,51,51	0
55	MG	AA	5157	1/1	0.89	0.30	-	58,58,58,58	0
55	MG	AA	5055	1/1	0.86	0.27	-	48,48,48,48	0
55	MG	CA	3974	1/1	0.91	0.44	-	41,41,41,41	0
55	MG	AA	5248	1/1	0.70	0.46	-	59,59,59,59	0
55	MG	BA	2018	1/1	0.97	0.13	-	46,46,46,46	0
55	MG	CA	3524	1/1	0.86	0.12	-	39,39,39,39	0
55	MG	AA	4117	1/1	0.88	0.95	-	71,71,71,71	0
55	MG	BA	2129	1/1	0.60	0.79	-	36,36,36,36	0
55	MG	CA	3275	1/1	0.82	0.96	-	40,40,40,40	0
55	MG	BA	1910	1/1	0.93	0.32	-	51,51,51,51	0
55	MG	CA	4114	1/1	0.86	0.35	-	50,50,50,50	0
55	MG	CA	3561	1/1	0.72	0.53	-	68,68,68,68	0
55	MG	CA	3504	1/1	0.84	0.29	-	43,43,43,43	0
55	MG	DA	1690	1/1	0.57	0.71	-	79,79,79,79	0
55	MG	CA	2916	1/1	0.84	0.37	-	66,66,66,66	0
55	MG	CA	3743	1/1	0.85	0.37	-	58,58,58,58	0
55	MG	AA	4882	1/1	0.79	0.32	-	42,42,42,42	0
55	MG	AA	4003	1/1	0.81	0.31	-	57,57,57,57	0
55	MG	BA	2083	1/1	0.85	0.21	-	92,92,92,92	0
55	MG	CA	3325	1/1	0.92	0.56	-	54,54,54,54	0
55	MG	BG	202	1/1	0.89	0.19	-	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5116	1/1	0.86	0.19	-	50,50,50,50	0
55	MG	AA	4850	1/1	0.83	0.32	-	50,50,50,50	0
55	MG	CA	3467	1/1	0.85	0.37	-	41,41,41,41	0
55	MG	DA	2045	1/1	0.85	0.17	-	98,98,98,98	0
55	MG	BA	1618	1/1	0.90	0.28	-	62,62,62,62	0
55	MG	CA	2955	1/1	0.80	0.54	-	52,52,52,52	0
55	MG	AA	4698	1/1	0.92	0.22	-	68,68,68,68	0
55	MG	AB	202	1/1	0.71	0.45	-	95,95,95,95	0
55	MG	DA	2143	1/1	0.95	0.31	-	48,48,48,48	0
55	MG	AA	5047	1/1	0.80	0.43	-	60,60,60,60	0
55	MG	CA	4203	1/1	0.85	0.53	-	32,32,32,32	0
55	MG	BA	2099	1/1	0.66	0.62	-	54,54,54,54	0
55	MG	CA	4161	1/1	0.74	0.30	-	65,65,65,65	0
55	MG	BV	110	1/1	0.93	0.12	-	71,71,71,71	0
55	MG	DW	107	1/1	0.76	0.20	-	155,155,155,155	0
55	MG	DA	1934	1/1	0.88	0.14	-	75,75,75,75	0
55	MG	CA	4140	1/1	0.85	0.31	-	57,57,57,57	0
55	MG	CA	4300	1/1	0.68	0.41	-	46,46,46,46	0
55	MG	AA	4912	1/1	0.75	0.38	-	49,49,49,49	0
55	MG	CA	2962	1/1	0.89	0.30	-	71,71,71,71	0
55	MG	DA	2099	1/1	0.68	0.42	-	55,55,55,55	0
55	MG	DA	2187	1/1	0.84	0.40	-	55,55,55,55	0
55	MG	CB	211	1/1	0.81	0.09	-	90,90,90,90	0
55	MG	DA	2033	1/1	0.88	0.34	-	45,45,45,45	0
55	MG	DA	2178	1/1	0.93	0.10	-	69,69,69,69	0
55	MG	BA	2106	1/1	-0.26	0.78	-	124,124,124,124	0
55	MG	AA	4638	1/1	0.89	0.43	-	139,139,139,139	0
55	MG	CA	4056	1/1	0.90	0.18	-	61,61,61,61	0
55	MG	CA	4053	1/1	0.93	0.56	-	45,45,45,45	0
55	MG	AA	5249	1/1	0.76	0.47	-	69,69,69,69	0
55	MG	DA	1797	1/1	0.92	0.10	-	82,82,82,82	0
55	MG	CE	304	1/1	0.82	0.70	-	59,59,59,59	0
55	MG	CA	3674	1/1	0.92	0.29	-	48,48,48,48	0
55	MG	AA	4258	1/1	0.86	0.42	-	42,42,42,42	0
55	MG	BA	1859	1/1	0.63	0.47	-	53,53,53,53	0
55	MG	AA	4559	1/1	0.93	0.15	-	87,87,87,87	0
55	MG	AA	4078	1/1	0.66	0.36	-	60,60,60,60	0
55	MG	DA	2105	1/1	0.82	0.27	-	52,52,52,52	0
55	MG	AA	4534	1/1	0.92	0.30	-	63,63,63,63	0
55	MG	BW	116	1/1	0.78	0.16	-	82,82,82,82	0
55	MG	CA	3280	1/1	0.90	0.16	-	42,42,42,42	0
55	MG	CA	3407	1/1	0.94	0.29	-	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	BA	1843	1/1	0.77	0.70	-	87,87,87,87	0
55	MG	CA	3024	1/1	0.65	0.57	-	75,75,75,75	0
55	MG	CA	4336	1/1	0.86	0.38	-	62,62,62,62	0
55	MG	AA	4140	1/1	0.92	0.28	-	73,73,73,73	0
55	MG	CA	3959	1/1	0.95	0.69	-	37,37,37,37	0
55	MG	AA	4770	1/1	0.55	0.48	-	83,83,83,83	0
55	MG	CA	3690	1/1	0.90	0.60	-	89,89,89,89	0
55	MG	BA	1674	1/1	0.93	0.38	-	118,118,118,118	0
55	MG	BA	1785	1/1	0.71	0.18	-	73,73,73,73	0
55	MG	BA	1717	1/1	0.78	0.52	-	75,75,75,75	0
55	MG	CA	3131	1/1	0.92	0.22	-	31,31,31,31	0
55	MG	CA	3491	1/1	0.85	0.33	-	59,59,59,59	0
55	MG	BA	1781	1/1	0.54	0.63	-	64,64,64,64	0
55	MG	AA	5224	1/1	0.95	0.27	-	47,47,47,47	0
55	MG	BA	2012	1/1	0.88	0.77	-	64,64,64,64	0
55	MG	CB	241	1/1	0.82	0.19	-	82,82,82,82	0
55	MG	AA	4305	1/1	0.65	0.79	-	55,55,55,55	0
55	MG	AA	4754	1/1	0.79	0.69	-	42,42,42,42	0
55	MG	BA	2085	1/1	0.92	0.17	-	55,55,55,55	0
55	MG	CA	3890	1/1	0.85	0.39	-	56,56,56,56	0
55	MG	BA	1647	1/1	0.54	0.61	-	93,93,93,93	0
55	MG	CA	3795	1/1	0.49	0.55	-	51,51,51,51	0
55	MG	BA	1681	1/1	0.85	0.62	-	162,162,162,162	0
55	MG	CA	4129	1/1	0.81	0.38	-	79,79,79,79	0
55	MG	DA	1629	1/1	0.81	0.47	-	89,89,89,89	0
55	MG	DA	2059	1/1	0.84	0.46	-	52,52,52,52	0
55	MG	DA	1732	1/1	0.88	0.44	-	64,64,64,64	0
55	MG	AA	4609	1/1	0.84	0.37	-	76,76,76,76	0
55	MG	CA	3691	1/1	0.96	0.60	-	49,49,49,49	0
55	MG	CA	3857	1/1	0.76	0.44	-	44,44,44,44	0
55	MG	AA	4688	1/1	0.37	0.59	-	65,65,65,65	0
55	MG	BA	1828	1/1	0.78	0.31	-	68,68,68,68	0
55	MG	DA	1744	1/1	0.86	0.43	-	69,69,69,69	0
55	MG	AA	4166	1/1	0.82	0.23	-	75,75,75,75	0
55	MG	BA	1997	1/1	0.96	0.35	-	58,58,58,58	0
55	MG	CA	3296	1/1	0.90	0.21	-	41,41,41,41	0
55	MG	DA	1740	1/1	0.90	0.41	-	46,46,46,46	0
55	MG	DA	1964	1/1	0.87	0.44	-	38,38,38,38	0
55	MG	AA	4237	1/1	0.93	0.32	-	17,17,17,17	0
55	MG	AA	4823	1/1	0.86	0.27	-	51,51,51,51	0
55	MG	CA	3874	1/1	0.93	0.39	-	60,60,60,60	0
55	MG	DA	1802	1/1	0.91	0.42	-	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
55	MG	DA	2051	1/1	0.74	0.53	-	65,65,65,65	0
55	MG	CA	3176	1/1	0.95	0.24	-	15,15,15,15	0
55	MG	CA	3527	1/1	0.89	0.34	-	27,27,27,27	0
55	MG	AA	4795	1/1	0.84	0.37	-	105,105,105,105	0
55	MG	CA	4216	1/1	0.77	0.35	-	60,60,60,60	0
55	MG	AA	5264	1/1	0.15	1.00	-	87,87,87,87	0
55	MG	AA	5001	1/1	0.88	0.69	-	53,53,53,53	0
55	MG	CA	4023	1/1	0.94	0.21	-	26,26,26,26	0
55	MG	CA	4094	1/1	0.93	0.37	-	39,39,39,39	0
55	MG	CA	4345	1/1	0.81	0.53	-	86,86,86,86	0
55	MG	DA	1601	1/1	0.93	0.19	-	92,92,92,92	0
55	MG	CA	4148	1/1	0.82	0.57	-	43,43,43,43	0
55	MG	CB	237	1/1	0.78	0.47	-	72,72,72,72	0
55	MG	AD	303	1/1	0.93	0.71	-	38,38,38,38	0
55	MG	DA	1725	1/1	0.71	0.30	-	59,59,59,59	0
55	MG	CA	4333	1/1	0.77	0.24	-	76,76,76,76	0
55	MG	AX	101	1/1	0.28	0.28	-	99,99,99,99	0
55	MG	DA	2181	1/1	0.78	0.48	-	68,68,68,68	0
55	MG	BA	2087	1/1	0.98	0.24	-	94,94,94,94	0
55	MG	AA	4888	1/1	0.95	0.37	-	36,36,36,36	0
55	MG	BV	101	1/1	0.82	0.11	-	105,105,105,105	0
55	MG	AS	205	1/1	0.75	0.46	-	70,70,70,70	0
55	MG	DA	2082	1/1	0.89	0.13	-	81,81,81,81	0
55	MG	CY	102	1/1	0.76	0.29	-	100,100,100,100	0
55	MG	BA	2065	1/1	0.89	0.14	-	39,39,39,39	0
55	MG	AA	5071	1/1	0.81	0.58	-	49,49,49,49	0
55	MG	BA	1804	1/1	0.93	0.59	-	39,39,39,39	0
55	MG	AB	203	1/1	0.79	0.34	-	65,65,65,65	0
55	MG	CA	4027	1/1	0.86	0.23	-	67,67,67,67	0
55	MG	CA	4020	1/1	0.89	0.51	-	21,21,21,21	0
55	MG	AA	4578	1/1	0.92	0.15	-	60,60,60,60	0
55	MG	CA	3987	1/1	0.92	0.35	-	36,36,36,36	0
55	MG	AA	4525	1/1	0.78	0.35	-	43,43,43,43	0
55	MG	DA	2026	1/1	0.91	0.12	-	63,63,63,63	0
55	MG	CA	4121	1/1	0.78	0.30	-	39,39,39,39	0
55	MG	BA	1690	1/1	0.96	0.50	-	38,38,38,38	0
55	MG	AA	4203	1/1	0.94	0.22	-	25,25,25,25	0
55	MG	CA	2985	1/1	0.88	0.28	-	43,43,43,43	0
55	MG	CB	258	1/1	0.91	0.16	-	65,65,65,65	0
55	MG	BA	2074	1/1	0.95	0.27	-	46,46,46,46	0
55	MG	CA	3803	1/1	0.74	0.85	-	121,121,121,121	0
55	MG	CA	2908	1/1	0.81	0.62	-	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	2984	1/1	0.74	0.48	-	103,103,103,103	0
55	MG	DA	1661	1/1	0.91	0.54	-	64,64,64,64	0
55	MG	AB	219	1/1	0.80	0.14	-	107,107,107,107	0
55	MG	CA	4276	1/1	0.70	0.34	-	61,61,61,61	0
55	MG	CA	3068	1/1	0.95	0.30	-	84,84,84,84	0
55	MG	AA	4974	1/1	0.86	0.52	-	73,73,73,73	0
55	MG	CS	204	1/1	0.83	0.31	-	76,76,76,76	0
55	MG	CA	4335	1/1	0.56	0.14	-	110,110,110,110	0
55	MG	AA	5076	1/1	0.91	0.37	-	69,69,69,69	0
55	MG	AA	5023	1/1	0.32	1.00	-	57,57,57,57	0
55	MG	DA	2148	1/1	0.94	0.42	-	54,54,54,54	0
55	MG	CA	3753	1/1	0.80	0.35	-	69,69,69,69	0
55	MG	AA	5093	1/1	0.90	0.24	-	48,48,48,48	0
55	MG	AA	4250	1/1	0.97	0.11	-	24,24,24,24	0
55	MG	AA	5141	1/1	0.78	0.21	-	58,58,58,58	0
55	MG	AA	4165	1/1	0.84	0.60	-	104,104,104,104	0
55	MG	CA	4285	1/1	0.81	0.17	-	46,46,46,46	0
55	MG	BA	1959	1/1	0.90	0.27	-	49,49,49,49	0
55	MG	CA	2973	1/1	0.80	0.51	-	99,99,99,99	0
55	MG	DA	1650	1/1	0.21	0.94	-	116,116,116,116	0
55	MG	CA	3643	1/1	0.93	0.28	-	48,48,48,48	0
55	MG	CA	3168	1/1	0.82	0.42	-	27,27,27,27	0
55	MG	BA	2167	1/1	0.91	0.12	-	52,52,52,52	0
55	MG	BA	1972	1/1	0.73	0.76	-	55,55,55,55	0
55	MG	AA	5003	1/1	0.96	0.14	-	69,69,69,69	0
55	MG	AA	4465	1/1	0.89	0.41	-	57,57,57,57	0
55	MG	BA	1831	1/1	0.98	0.21	-	124,124,124,124	0
55	MG	CB	204	1/1	0.86	0.21	-	92,92,92,92	0
55	MG	CA	4291	1/1	0.79	0.21	-	46,46,46,46	0
55	MG	CA	2921	1/1	0.87	0.14	-	63,63,63,63	0
55	MG	CA	3956	1/1	0.70	0.40	-	64,64,64,64	0
55	MG	CA	4042	1/1	0.84	0.24	-	46,46,46,46	0
55	MG	CA	3981	1/1	0.80	0.24	-	35,35,35,35	0
55	MG	BA	1716	1/1	0.83	0.53	-	56,56,56,56	0
55	MG	CA	3115	1/1	0.90	0.49	-	16,16,16,16	0
55	MG	BA	2004	1/1	0.94	0.10	-	74,74,74,74	0
55	MG	DA	1763	1/1	0.65	0.92	-	68,68,68,68	0
55	MG	DA	1845	1/1	0.41	1.21	-	117,117,117,117	0
55	MG	DA	1611	1/1	0.61	0.61	-	99,99,99,99	0
55	MG	CB	202	1/1	0.92	0.30	-	78,78,78,78	0
55	MG	CA	3740	1/1	0.81	0.70	-	77,77,77,77	0
55	MG	AA	5088	1/1	0.88	0.52	-	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3583	1/1	0.67	0.45	-	111,111,111,111	0
55	MG	CA	3742	1/1	0.98	0.57	-	112,112,112,112	0
55	MG	AA	4849	1/1	0.91	0.35	-	16,16,16,16	0
55	MG	AA	4964	1/1	0.94	0.21	-	40,40,40,40	0
55	MG	AA	4247	1/1	0.93	0.46	-	33,33,33,33	0
55	MG	DA	2175	1/1	0.93	0.24	-	35,35,35,35	0
55	MG	AA	4495	1/1	0.86	0.32	-	53,53,53,53	0
55	MG	CA	4178	1/1	0.93	0.23	-	50,50,50,50	0
55	MG	AA	5196	1/1	0.97	0.33	-	48,48,48,48	0
55	MG	CA	4151	1/1	0.62	0.48	-	57,57,57,57	0
55	MG	CA	3876	1/1	0.85	0.29	-	76,76,76,76	0
55	MG	CA	4119	1/1	0.76	0.59	-	51,51,51,51	0
55	MG	AA	4997	1/1	0.78	0.58	-	68,68,68,68	0
55	MG	BA	2112	1/1	0.64	0.29	-	84,84,84,84	0
55	MG	AA	4650	1/1	0.78	0.62	-	70,70,70,70	0
55	MG	DW	114	1/1	0.85	0.26	-	97,97,97,97	0
55	MG	CA	4092	1/1	0.90	0.38	-	53,53,53,53	0
55	MG	CA	3830	1/1	0.77	0.42	-	66,66,66,66	0
55	MG	CA	4312	1/1	0.84	0.28	-	57,57,57,57	0
55	MG	CA	3127	1/1	0.94	0.51	-	14,14,14,14	0
55	MG	DA	2050	1/1	0.86	0.40	-	77,77,77,77	0
55	MG	CB	212	1/1	0.65	0.53	-	104,104,104,104	0
55	MG	CA	4068	1/1	0.79	0.50	-	66,66,66,66	0
55	MG	CA	2966	1/1	0.84	0.28	-	75,75,75,75	0
55	MG	DA	1653	1/1	0.94	0.13	-	47,47,47,47	0
55	MG	BA	1704	1/1	0.94	0.30	-	41,41,41,41	0
55	MG	CA	3088	1/1	0.28	0.37	-	76,76,76,76	0
55	MG	CA	3061	1/1	0.79	0.28	-	82,82,82,82	0
55	MG	BB	302	1/1	0.87	0.16	-	61,61,61,61	0
55	MG	AA	4017	1/1	0.75	1.22	-	155,155,155,155	0
55	MG	DA	2095	1/1	0.78	0.23	-	79,79,79,79	0
55	MG	BA	1662	1/1	0.93	0.17	-	89,89,89,89	0
55	MG	AA	4839	1/1	0.90	0.22	-	98,98,98,98	0
55	MG	CA	3055	1/1	0.88	0.19	-	59,59,59,59	0
55	MG	CN	202	1/1	0.84	0.38	-	57,57,57,57	0
55	MG	BA	1805	1/1	0.86	0.15	-	64,64,64,64	0
55	MG	DA	1839	1/1	0.92	0.19	-	88,88,88,88	0
55	MG	DA	2158	1/1	0.77	0.12	-	76,76,76,76	0
55	MG	CA	4134	1/1	0.92	0.13	-	49,49,49,49	0
55	MG	AA	4328	1/1	0.77	1.08	-	40,40,40,40	0
55	MG	CB	223	1/1	0.87	0.57	-	36,36,36,36	0
55	MG	DA	1698	1/1	0.89	0.47	-	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	4539	1/1	0.23	0.53	-	90,90,90,90	0
55	MG	AA	4620	1/1	0.82	0.20	-	70,70,70,70	0
55	MG	AA	4069	1/1	0.55	0.60	-	68,68,68,68	0
55	MG	CA	3554	1/1	0.65	0.39	-	62,62,62,62	0
55	MG	AA	4798	1/1	0.61	0.79	-	76,76,76,76	0
55	MG	AA	4957	1/1	0.83	0.25	-	47,47,47,47	0
55	MG	DA	2144	1/1	0.73	1.00	-	63,63,63,63	0
55	MG	CA	3964	1/1	0.80	0.59	-	48,48,48,48	0
55	MG	BA	1661	1/1	0.47	0.20	-	90,90,90,90	0
55	MG	CA	3226	1/1	0.74	0.17	-	25,25,25,25	0
55	MG	CA	3895	1/1	0.77	0.36	-	58,58,58,58	0
55	MG	CA	4377	1/1	0.81	0.14	-	84,84,84,84	0
55	MG	BA	1671	1/1	0.77	0.29	-	112,112,112,112	0
55	MG	AA	4742	1/1	0.81	0.28	-	69,69,69,69	0
55	MG	CA	3177	1/1	0.81	0.94	-	42,42,42,42	0
55	MG	BW	118	1/1	0.73	0.45	-	61,61,61,61	0
55	MG	DA	2119	1/1	0.63	0.31	-	75,75,75,75	0
55	MG	CA	3485	1/1	0.96	0.26	-	63,63,63,63	0
55	MG	DR	101	1/1	0.87	0.82	-	62,62,62,62	0
55	MG	AA	5258	1/1	0.87	0.07	-	76,76,76,76	0
55	MG	AA	5125	1/1	0.91	0.30	-	45,45,45,45	0
55	MG	CA	3171	1/1	0.97	0.31	-	30,30,30,30	0
55	MG	AA	4011	1/1	0.79	0.65	-	59,59,59,59	0
55	MG	AA	5181	1/1	0.84	0.19	-	67,67,67,67	0
55	MG	AA	4413	1/1	0.98	0.24	-	40,40,40,40	0
55	MG	CA	3066	1/1	0.76	0.38	-	92,92,92,92	0
55	MG	CB	243	1/1	0.92	0.41	-	34,34,34,34	0
55	MG	CA	3615	1/1	0.95	0.10	-	50,50,50,50	0
55	MG	AN	204	1/1	0.79	0.48	-	48,48,48,48	0
55	MG	BA	2011	1/1	0.87	0.12	-	73,73,73,73	0
55	MG	DA	1681	1/1	0.60	0.42	-	83,83,83,83	0
55	MG	BA	2006	1/1	0.93	0.25	-	144,144,144,144	0
55	MG	AA	4709	1/1	0.89	0.23	-	67,67,67,67	0
55	MG	CA	3673	1/1	0.93	0.52	-	81,81,81,81	0
55	MG	AA	4485	1/1	0.95	0.59	-	36,36,36,36	0
55	MG	CA	3058	1/1	0.71	0.60	-	66,66,66,66	0
55	MG	AA	4430	1/1	0.64	0.33	-	59,59,59,59	0
55	MG	BA	2029	1/1	0.85	0.15	-	64,64,64,64	0
55	MG	CB	263	1/1	0.77	0.11	-	73,73,73,73	0
55	MG	DA	1730	1/1	0.89	0.34	-	44,44,44,44	0
55	MG	DA	1904	1/1	0.71	0.29	-	57,57,57,57	0
55	MG	DA	1832	1/1	0.90	0.08	-	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	CA	3632	1/1	0.94	0.19	-	61,61,61,61	0
55	MG	CA	3099	1/1	0.87	0.26	-	41,41,41,41	0
55	MG	CA	3978	1/1	0.86	0.17	-	32,32,32,32	0
55	MG	AA	4858	1/1	0.80	0.37	-	50,50,50,50	0
55	MG	AA	4132	1/1	0.93	0.18	-	63,63,63,63	0
55	MG	BA	1757	1/1	0.87	0.48	-	66,66,66,66	0
55	MG	CA	4200	1/1	0.92	0.23	-	55,55,55,55	0
55	MG	CA	4081	1/1	0.94	0.29	-	49,49,49,49	0
55	MG	BA	1769	1/1	0.97	0.16	-	50,50,50,50	0
55	MG	BA	1641	1/1	0.72	0.43	-	63,63,63,63	0
55	MG	CA	4089	1/1	0.89	0.07	-	53,53,53,53	0
55	MG	CA	4317	1/1	0.91	0.40	-	70,70,70,70	0
55	MG	CP	201	1/1	0.88	0.20	-	57,57,57,57	0
55	MG	CA	4141	1/1	0.64	0.49	-	54,54,54,54	0
55	MG	DA	2172	1/1	0.15	0.57	-	96,96,96,96	0
55	MG	CA	3376	1/1	0.79	0.24	-	44,44,44,44	0
55	MG	CA	3103	1/1	0.97	0.76	-	18,18,18,18	0
55	MG	DA	2184	1/1	0.73	0.68	-	79,79,79,79	0
55	MG	CA	3496	1/1	0.86	0.13	-	45,45,45,45	0
55	MG	DA	1923	1/1	0.89	0.10	-	69,69,69,69	0
55	MG	DA	1768	1/1	0.86	0.55	-	138,138,138,138	0
55	MG	DA	1628	1/1	0.84	0.21	-	135,135,135,135	0
55	MG	CA	3871	1/1	0.69	0.58	-	64,64,64,64	0
55	MG	AA	4587	1/1	0.76	0.10	-	107,107,107,107	0
55	MG	DA	2160	1/1	0.87	0.81	-	63,63,63,63	0
55	MG	CA	4258	1/1	0.88	0.49	-	48,48,48,48	0
55	MG	CA	4192	1/1	0.68	0.34	-	43,43,43,43	0
55	MG	AA	5243	1/1	0.66	0.23	-	107,107,107,107	0
55	MG	CA	2988	1/1	0.91	0.26	-	87,87,87,87	0
55	MG	CS	202	1/1	0.92	0.23	-	28,28,28,28	0
55	MG	DA	2171	1/1	0.88	0.21	-	96,96,96,96	0
55	MG	DA	2097	1/1	0.97	0.38	-	61,61,61,61	0
55	MG	CA	3220	1/1	0.98	0.16	-	12,12,12,12	0
55	MG	AA	5025	1/1	0.84	0.39	-	92,92,92,92	0
55	MG	AB	217	1/1	0.97	0.17	-	84,84,84,84	0
55	MG	BA	1983	1/1	0.88	0.28	-	58,58,58,58	0
55	MG	CA	3670	1/1	0.87	0.92	-	78,78,78,78	0
55	MG	DA	1821	1/1	0.96	0.33	-	82,82,82,82	0
55	MG	CA	3597	1/1	0.86	0.29	-	89,89,89,89	0
55	MG	AA	4466	1/1	0.94	0.21	-	57,57,57,57	0
55	MG	DA	1913	1/1	0.19	0.45	-	93,93,93,93	0
55	MG	CA	3646	1/1	0.91	0.24	-	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
55	MG	AA	5183	1/1	0.93	0.19	-	58,58,58,58	0
55	MG	AB	230	1/1	0.89	0.17	-	74,74,74,74	0
55	MG	CA	3158	1/1	0.93	0.20	-	9,9,9,9	0
55	MG	AA	4592	1/1	0.62	0.41	-	61,61,61,61	0
55	MG	AA	5103	1/1	0.94	0.17	-	47,47,47,47	0
55	MG	DA	1793	1/1	0.82	0.14	-	84,84,84,84	0
55	MG	AA	5192	1/1	0.81	0.35	-	46,46,46,46	0
55	MG	CA	3702	1/1	0.86	0.98	-	90,90,90,90	0
55	MG	AA	4377	1/1	0.76	0.63	-	52,52,52,52	0
55	MG	CA	4033	1/1	0.90	0.40	-	45,45,45,45	0
55	MG	AA	4717	1/1	0.57	0.14	-	68,68,68,68	0
55	MG	CA	4117	1/1	0.72	1.29	-	76,76,76,76	0
55	MG	BA	1649	1/1	0.74	0.69	-	96,96,96,96	0
55	MG	AA	4949	1/1	0.93	0.19	-	38,38,38,38	0
55	MG	DA	2136	1/1	0.95	0.15	-	52,52,52,52	0
55	MG	BA	1891	1/1	0.91	0.37	-	56,56,56,56	0
55	MG	CA	4299	1/1	0.81	0.58	-	73,73,73,73	0
55	MG	DA	2013	1/1	0.91	0.19	-	49,49,49,49	0
55	MG	AA	5123	1/1	0.87	0.13	-	60,60,60,60	0
55	MG	CA	3560	1/1	0.84	0.11	-	69,69,69,69	0
55	MG	CA	3716	1/1	0.70	0.53	-	105,105,105,105	0
55	MG	BA	2080	1/1	0.84	0.26	-	56,56,56,56	0
55	MG	DA	1752	1/1	0.64	0.44	-	89,89,89,89	0
55	MG	CA	3893	1/1	0.87	0.36	-	54,54,54,54	0
55	MG	DA	2149	1/1	0.92	0.36	-	74,74,74,74	0
55	MG	CA	3988	1/1	0.94	0.28	-	24,24,24,24	0
55	MG	AA	4845	1/1	0.97	0.43	-	35,35,35,35	0
55	MG	CA	3295	1/1	0.89	0.27	-	29,29,29,29	0
55	MG	AA	5223	1/1	0.74	0.44	-	70,70,70,70	0
55	MG	DA	2032	1/1	0.58	0.22	-	60,60,60,60	0

## 6.5 Other polymers ⓘ

There are no such residues in this entry.