



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 4, 2026 – 03:43 AM EDT

PDB ID : 5CZP / pdb_00005czp
Title : 70S termination complex containing E. coli RF2
Authors : Hoffer, E.D.; Dunham, C.M.
Deposited on : 2015-07-31
Resolution : 3.30 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

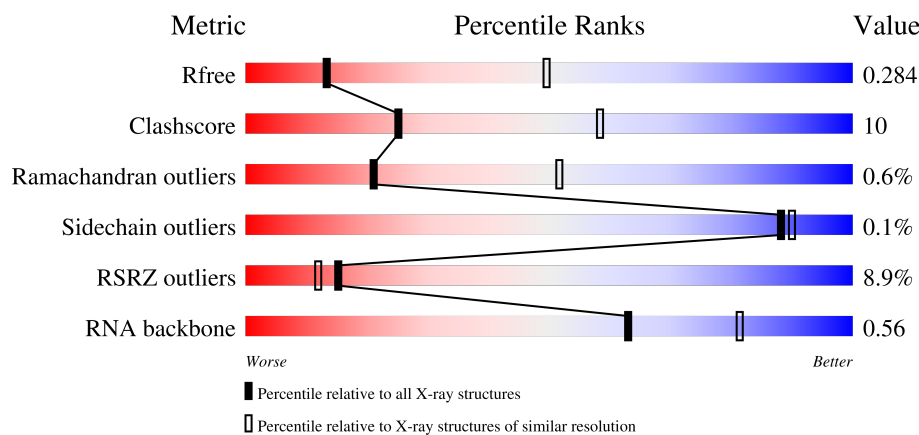
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.30 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}	180053	1169 (3.32-3.28)
Clashscore	190562	1209 (3.32-3.28)
Ramachandran outliers	187476	1188 (3.32-3.28)
Sidechain outliers	187428	1187 (3.32-3.28)
RSRZ outliers	180081	1169 (3.32-3.28)
RNA backbone	3983	1048 (3.60-3.00)

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

Mol	Chain	Length	Quality of chain
1	RA	2915	5% 61% 32% 6%
1	YA	2915	7% 62% 31% 5%
2	RB	122	2% 78% 19%
2	YB	122	2% 65% 31%

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Mol	Chain	Length	Quality of chain
3	RD	276	
3	YD	276	
4	RE	206	
4	YE	206	
5	RF	210	
5	YF	210	
6	RG	182	
6	YG	182	
7	RH	180	
7	YH	180	
8	RI	148	
8	YI	148	
9	RN	140	
9	YN	140	
10	RO	122	
10	YO	122	
11	RP	150	
11	YP	150	
12	RQ	141	
12	YQ	141	
13	RR	118	
13	YR	118	
14	RS	112	
14	YS	112	
15	RT	146	

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Mol	Chain	Length	Quality of chain
15	YT	146	
16	RU	118	
16	YU	118	
17	RV	101	
17	YV	101	
18	RW	113	
18	YW	113	
19	RX	96	
19	YX	96	
20	RY	110	
20	YY	110	
21	RZ	206	
21	YZ	206	
22	R0	85	
22	Y0	85	
23	R1	98	
23	Y1	98	
24	R2	72	
24	Y2	72	
25	R3	60	
25	Y3	60	
26	R4	71	
26	Y4	71	
27	R5	60	
27	Y5	60	

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Mol	Chain	Length	Quality of chain
28	R6	54	
28	Y6	54	
29	R7	49	
29	Y7	49	
30	R8	65	
30	Y8	65	
31	R9	37	
31	Y9	37	
32	QA	1521	
32	XA	1521	
33	QB	256	
33	XB	256	
34	QC	239	
34	XC	239	
35	QD	209	
35	XD	209	
36	QE	162	
36	XE	162	
37	QF	101	
37	XF	101	
38	QG	156	
38	XG	156	
39	QH	138	
39	XH	138	
40	QI	128	

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Mol	Chain	Length	Quality of chain
40	XI	128	
41	QJ	105	
41	XJ	105	
42	QK	129	
42	XK	129	
43	QL	132	
43	XL	132	
44	QM	126	
44	XM	126	
45	QN	61	
45	XN	61	
46	QO	89	
46	XO	89	
47	QP	88	
47	XP	88	
48	QQ	105	
48	XQ	105	
49	QR	88	
49	XR	88	
50	QS	93	
50	XS	93	
51	QT	106	
51	XT	106	
52	QU	27	
52	XU	27	

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Mol	Chain	Length	Quality of chain
53	QV	77	
53	XV	77	
54	QY	380	
54	XY	380	
55	QX	25	
55	XX	25	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	QA	1611	-	-	-	X
56	MG	QA	1629	-	-	-	X
56	MG	QA	1630	-	-	-	X
56	MG	QA	1661	-	-	-	X
56	MG	QA	1669	-	-	-	X
56	MG	QA	1672	-	-	-	X
56	MG	QA	1687	-	-	-	X
56	MG	QA	1692	-	-	-	X
56	MG	QA	1705	-	-	-	X
56	MG	QA	1710	-	-	-	X
56	MG	QA	1719	-	-	-	X
56	MG	QA	1722	-	-	-	X
56	MG	QA	1724	-	-	-	X
56	MG	QA	1727	-	-	-	X
56	MG	QA	1731	-	-	-	X
56	MG	QA	1740	-	-	-	X
56	MG	QA	1747	-	-	-	X
56	MG	QA	1751	-	-	-	X
56	MG	QA	1763	-	-	-	X
56	MG	QA	1764	-	-	-	X
56	MG	QA	1780	-	-	-	X
56	MG	QA	1791	-	-	-	X
56	MG	QA	1810	-	-	-	X
56	MG	QA	1818	-	-	-	X
56	MG	QA	1826	-	-	-	X
56	MG	QA	1833	-	-	-	X
56	MG	QA	1835	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	QA	1842	-	-	-	X
56	MG	QA	1849	-	-	-	X
56	MG	QA	1852	-	-	-	X
56	MG	QA	1856	-	-	-	X
56	MG	QA	1859	-	-	-	X
56	MG	QA	1868	-	-	-	X
56	MG	QA	1870	-	-	-	X
56	MG	QM	201	-	-	-	X
56	MG	QN	103	-	-	-	X
56	MG	QT	201	-	-	-	X
56	MG	R3	101	-	-	-	X
56	MG	R3	102	-	-	-	X
56	MG	R5	101	-	-	-	X
56	MG	R5	102	-	-	-	X
56	MG	R9	101	-	-	-	X
56	MG	RA	3019	-	-	-	X
56	MG	RA	3024	-	-	-	X
56	MG	RA	3027	-	-	-	X
56	MG	RA	3029	-	-	-	X
56	MG	RA	3050	-	-	-	X
56	MG	RA	3051	-	-	-	X
56	MG	RA	3055	-	-	-	X
56	MG	RA	3058	-	-	-	X
56	MG	RA	3072	-	-	-	X
56	MG	RA	3076	-	-	-	X
56	MG	RA	3079	-	-	-	X
56	MG	RA	3103	-	-	-	X
56	MG	RA	3106	-	-	-	X
56	MG	RA	3111	-	-	-	X
56	MG	RA	3113	-	-	-	X
56	MG	RA	3114	-	-	-	X
56	MG	RA	3119	-	-	-	X
56	MG	RA	3121	-	-	-	X
56	MG	RA	3137	-	-	-	X
56	MG	RA	3140	-	-	-	X
56	MG	RA	3141	-	-	-	X
56	MG	RA	3159	-	-	-	X
56	MG	RA	3172	-	-	-	X
56	MG	RA	3179	-	-	-	X
56	MG	RA	3189	-	-	-	X
56	MG	RA	3194	-	-	-	X
56	MG	RA	3207	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	RA	3213	-	-	-	X
56	MG	RA	3216	-	-	-	X
56	MG	RA	3219	-	-	-	X
56	MG	RA	3225	-	-	-	X
56	MG	RA	3226	-	-	-	X
56	MG	RA	3227	-	-	-	X
56	MG	RA	3229	-	-	-	X
56	MG	RA	3233	-	-	-	X
56	MG	RA	3237	-	-	-	X
56	MG	RA	3238	-	-	-	X
56	MG	RA	3242	-	-	-	X
56	MG	RA	3244	-	-	-	X
56	MG	RA	3251	-	-	-	X
56	MG	RA	3255	-	-	-	X
56	MG	RA	3257	-	-	-	X
56	MG	RA	3285	-	-	-	X
56	MG	RA	3300	-	-	-	X
56	MG	RA	3307	-	-	-	X
56	MG	RA	3320	-	-	-	X
56	MG	RA	3324	-	-	-	X
56	MG	RA	3333	-	-	-	X
56	MG	RA	3338	-	-	-	X
56	MG	RA	3341	-	-	-	X
56	MG	RA	3356	-	-	-	X
56	MG	RA	3361	-	-	-	X
56	MG	RA	3369	-	-	-	X
56	MG	RA	3375	-	-	-	X
56	MG	RA	3380	-	-	-	X
56	MG	RA	3384	-	-	-	X
56	MG	RA	3385	-	-	-	X
56	MG	RA	3386	-	-	-	X
56	MG	RA	3391	-	-	-	X
56	MG	RA	3392	-	-	-	X
56	MG	RA	3394	-	-	-	X
56	MG	RA	3399	-	-	-	X
56	MG	RA	3401	-	-	-	X
56	MG	RA	3408	-	-	-	X
56	MG	RA	3419	-	-	-	X
56	MG	RA	3420	-	-	-	X
56	MG	RA	3443	-	-	-	X
56	MG	RA	3444	-	-	-	X
56	MG	RA	3445	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	RA	3451	-	-	-	X
56	MG	RA	3461	-	-	-	X
56	MG	RA	3462	-	-	-	X
56	MG	RA	3467	-	-	-	X
56	MG	RA	3476	-	-	-	X
56	MG	RA	3481	-	-	-	X
56	MG	RA	3484	-	-	-	X
56	MG	RA	3485	-	-	-	X
56	MG	RA	3486	-	-	-	X
56	MG	RA	3487	-	-	-	X
56	MG	RA	3490	-	-	-	X
56	MG	RA	3495	-	-	-	X
56	MG	RA	3497	-	-	-	X
56	MG	RA	3501	-	-	-	X
56	MG	RA	3513	-	-	-	X
56	MG	RA	3518	-	-	-	X
56	MG	RA	3528	-	-	-	X
56	MG	RA	3555	-	-	-	X
56	MG	RA	3556	-	-	-	X
56	MG	RA	3561	-	-	-	X
56	MG	RA	3574	-	-	-	X
56	MG	RA	3599	-	-	-	X
56	MG	RA	3602	-	-	-	X
56	MG	RA	3603	-	-	-	X
56	MG	RA	3604	-	-	-	X
56	MG	RA	3615	-	-	-	X
56	MG	RA	3619	-	-	-	X
56	MG	RA	3630	-	-	-	X
56	MG	RA	3631	-	-	-	X
56	MG	RA	3632	-	-	-	X
56	MG	RA	3634	-	-	-	X
56	MG	RA	3637	-	-	-	X
56	MG	RA	3640	-	-	-	X
56	MG	RA	3647	-	-	-	X
56	MG	RA	3648	-	-	-	X
56	MG	RA	3690	-	-	-	X
56	MG	RA	3691	-	-	-	X
56	MG	RA	3711	-	-	-	X
56	MG	RA	3718	-	-	-	X
56	MG	RA	3729	-	-	-	X
56	MG	RA	3745	-	-	-	X
56	MG	RA	3751	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	RA	3754	-	-	-	X
56	MG	RA	3755	-	-	-	X
56	MG	RA	3778	-	-	-	X
56	MG	RA	3779	-	-	-	X
56	MG	RA	3782	-	-	-	X
56	MG	RA	3783	-	-	-	X
56	MG	RA	3797	-	-	-	X
56	MG	RA	3803	-	-	-	X
56	MG	RA	3808	-	-	-	X
56	MG	RA	3830	-	-	-	X
56	MG	RA	3847	-	-	-	X
56	MG	RA	3849	-	-	-	X
56	MG	RA	3854	-	-	-	X
56	MG	RA	3856	-	-	-	X
56	MG	RA	3859	-	-	-	X
56	MG	RA	3861	-	-	-	X
56	MG	RA	3875	-	-	-	X
56	MG	RA	3877	-	-	-	X
56	MG	RA	3879	-	-	-	X
56	MG	RA	3885	-	-	-	X
56	MG	RA	3886	-	-	-	X
56	MG	RA	3888	-	-	-	X
56	MG	RA	3890	-	-	-	X
56	MG	RA	3900	-	-	-	X
56	MG	RA	3918	-	-	-	X
56	MG	RA	3919	-	-	-	X
56	MG	RA	3920	-	-	-	X
56	MG	RA	3921	-	-	-	X
56	MG	RA	3929	-	-	-	X
56	MG	RA	3940	-	-	-	X
56	MG	RA	3955	-	-	-	X
56	MG	RA	3968	-	-	-	X
56	MG	RA	3969	-	-	-	X
56	MG	RA	3971	-	-	-	X
56	MG	RA	3974	-	-	-	X
56	MG	RA	3975	-	-	-	X
56	MG	RA	3997	-	-	-	X
56	MG	RA	4019	-	-	-	X
56	MG	RA	4022	-	-	-	X
56	MG	RA	4025	-	-	-	X
56	MG	RA	4031	-	-	-	X
56	MG	RA	4037	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	RA	4054	-	-	-	X
56	MG	RA	4058	-	-	-	X
56	MG	RA	4060	-	-	-	X
56	MG	RA	4061	-	-	-	X
56	MG	RA	4062	-	-	-	X
56	MG	RA	4063	-	-	-	X
56	MG	RB	213	-	-	-	X
56	MG	RB	220	-	-	-	X
56	MG	RD	312	-	-	-	X
56	MG	RE	303	-	-	-	X
56	MG	RE	304	-	-	-	X
56	MG	RF	301	-	-	-	X
56	MG	RF	307	-	-	-	X
56	MG	RF	308	-	-	-	X
56	MG	RP	201	-	-	-	X
56	MG	RQ	203	-	-	-	X
56	MG	RQ	204	-	-	-	X
56	MG	RR	201	-	-	-	X
56	MG	RR	202	-	-	-	X
56	MG	RW	202	-	-	-	X
56	MG	XA	1601	-	-	-	X
56	MG	XA	1610	-	-	-	X
56	MG	XA	1619	-	-	-	X
56	MG	XA	1654	-	-	-	X
56	MG	XA	1693	-	-	-	X
56	MG	XA	1695	-	-	-	X
56	MG	XA	1696	-	-	-	X
56	MG	XA	1726	-	-	-	X
56	MG	XA	1740	-	-	-	X
56	MG	XA	1756	-	-	-	X
56	MG	XA	1765	-	-	-	X
56	MG	XA	1766	-	-	-	X
56	MG	XA	1767	-	-	-	X
56	MG	XA	1768	-	-	-	X
56	MG	XA	1769	-	-	-	X
56	MG	XA	1773	-	-	-	X
56	MG	XA	1774	-	-	-	X
56	MG	XA	1775	-	-	-	X
56	MG	XA	1779	-	-	-	X
56	MG	XA	1780	-	-	-	X
56	MG	XA	1781	-	-	-	X
56	MG	XA	1782	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	XA	1786	-	-	-	X
56	MG	XA	1790	-	-	-	X
56	MG	XF	203	-	-	-	X
56	MG	YA	3019	-	-	-	X
56	MG	YA	3022	-	-	-	X
56	MG	YA	3033	-	-	-	X
56	MG	YA	3066	-	-	-	X
56	MG	YA	3070	-	-	-	X
56	MG	YA	3074	-	-	-	X
56	MG	YA	3075	-	-	-	X
56	MG	YA	3078	-	-	-	X
56	MG	YA	3084	-	-	-	X
56	MG	YA	3112	-	-	-	X
56	MG	YA	3143	-	-	-	X
56	MG	YA	3155	-	-	-	X
56	MG	YA	3162	-	-	-	X
56	MG	YA	3166	-	-	-	X
56	MG	YA	3168	-	-	-	X
56	MG	YA	3169	-	-	-	X
56	MG	YA	3185	-	-	-	X
56	MG	YA	3186	-	-	-	X
56	MG	YA	3197	-	-	-	X
56	MG	YA	3204	-	-	-	X
56	MG	YA	3205	-	-	-	X
56	MG	YA	3227	-	-	-	X
56	MG	YA	3233	-	-	-	X
56	MG	YA	3239	-	-	-	X
56	MG	YA	3254	-	-	-	X
56	MG	YA	3259	-	-	-	X
56	MG	YA	3278	-	-	-	X
56	MG	YA	3279	-	-	-	X
56	MG	YA	3284	-	-	-	X
56	MG	YA	3289	-	-	-	X
56	MG	YA	3308	-	-	-	X
56	MG	YA	3310	-	-	-	X
56	MG	YA	3312	-	-	-	X
56	MG	YA	3320	-	-	-	X
56	MG	YA	3321	-	-	-	X
56	MG	YA	3323	-	-	-	X
56	MG	YA	3324	-	-	-	X
56	MG	YA	3328	-	-	-	X
56	MG	YA	3331	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	YA	3335	-	-	-	X
56	MG	YA	3336	-	-	-	X
56	MG	YA	3343	-	-	-	X
56	MG	YA	3348	-	-	-	X
56	MG	YA	3350	-	-	-	X
56	MG	YA	3355	-	-	-	X
56	MG	YA	3365	-	-	-	X
56	MG	YA	3371	-	-	-	X
56	MG	YA	3372	-	-	-	X
56	MG	YA	3374	-	-	-	X
56	MG	YA	3378	-	-	-	X
56	MG	YA	3382	-	-	-	X
56	MG	YA	3387	-	-	-	X
56	MG	YA	3398	-	-	-	X
56	MG	YA	3399	-	-	-	X
56	MG	YA	3401	-	-	-	X
56	MG	YA	3409	-	-	-	X
56	MG	YA	3412	-	-	-	X
56	MG	YA	3414	-	-	-	X
56	MG	YA	3418	-	-	-	X
56	MG	YA	3419	-	-	-	X
56	MG	YA	3427	-	-	-	X
56	MG	YA	3431	-	-	-	X
56	MG	YA	3440	-	-	-	X
56	MG	YA	3450	-	-	-	X
56	MG	YA	3451	-	-	-	X
56	MG	YA	3456	-	-	-	X
56	MG	YA	3457	-	-	-	X
56	MG	YA	3464	-	-	-	X
56	MG	YA	3465	-	-	-	X
56	MG	YA	3468	-	-	-	X
56	MG	YA	3472	-	-	-	X
56	MG	YA	3481	-	-	-	X
56	MG	YA	3496	-	-	-	X
56	MG	YA	3509	-	-	-	X
56	MG	YA	3510	-	-	-	X
56	MG	YA	3515	-	-	-	X
56	MG	YA	3516	-	-	-	X
56	MG	YA	3526	-	-	-	X
56	MG	YA	3531	-	-	-	X
56	MG	YA	3548	-	-	-	X
56	MG	YA	3549	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	YA	3556	-	-	-	X
56	MG	YA	3558	-	-	-	X
56	MG	YA	3559	-	-	-	X
56	MG	YA	3570	-	-	-	X
56	MG	YA	3573	-	-	-	X
56	MG	YA	3582	-	-	-	X
56	MG	YA	3588	-	-	-	X
56	MG	YA	3599	-	-	-	X
56	MG	YA	3600	-	-	-	X
56	MG	YA	3602	-	-	-	X
56	MG	YA	3618	-	-	-	X
56	MG	YA	3620	-	-	-	X
56	MG	YA	3636	-	-	-	X
56	MG	YA	3637	-	-	-	X
56	MG	YA	3638	-	-	-	X
56	MG	YA	3639	-	-	-	X
56	MG	YA	3649	-	-	-	X
56	MG	YA	3658	-	-	-	X
56	MG	YA	3668	-	-	-	X
56	MG	YA	3672	-	-	-	X
56	MG	YA	3676	-	-	-	X
56	MG	YA	3677	-	-	-	X
56	MG	YA	3681	-	-	-	X
56	MG	YA	3685	-	-	-	X
56	MG	YA	3694	-	-	-	X
56	MG	YA	3695	-	-	-	X
56	MG	YA	3698	-	-	-	X
56	MG	YA	3701	-	-	-	X
56	MG	YA	3708	-	-	-	X
56	MG	YA	3710	-	-	-	X
56	MG	YA	3728	-	-	-	X
56	MG	YA	3737	-	-	-	X
56	MG	YA	3741	-	-	-	X
56	MG	YA	3752	-	-	-	X
56	MG	YE	302	-	-	-	X
56	MG	YE	303	-	-	-	X
56	MG	YE	306	-	-	-	X
56	MG	YF	301	-	-	-	X
56	MG	YW	201	-	-	-	X

2 Entry composition

There are 58 unique types of molecules in this entry. The entry contains 296497 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 rRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	YA	2867	Total	C	N	O	P	0	0	0
			61758	27491	11552	19850	2865			
1	RA	2867	Total	C	N	O	P	0	0	0
			61758	27491	11552	19850	2865			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	YB	120	Total	C	N	O	P	0	0	0
			2573	1146	476	832	119			
2	RB	120	Total	C	N	O	P	0	0	0
			2572	1145	476	832	119			

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	YG	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	4			
6	RG	181	Total	C	N	O	S	0	0	0
			1426	916	253	253	4			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	YY	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			
20	RY	107	Total	C	N	O	S	0	0	0
			810	520	153	131	6			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	Y0	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			
22	R0	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	Y1	97	Total	C	N	O	S	0	0	0
			759	478	149	131	1			
23	R1	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	Y2	70	Total	C	N	O	S	0	0	0
			592	368	119	103	2			
24	R2	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	Y3	59	Total	C	N	O	0	0	0
			464	296	90	78			
25	R3	59	Total	C	N	O	0	0	0
			469	298	90	81			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	Y4	69	Total	C	N	O	S	0	0	0
			536	342	98	91	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	R4	69	Total	C	N	O	S	0	0	0
			546	346	96	99	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	Y5	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			
27	R5	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	Y6	53	Total	C	N	O	S	0	0	0
			449	279	91	75	4			
28	R6	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	Y7	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
29	R7	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	Y8	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
30	R8	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	Y9	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
31	R9	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	XB	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			
33	QB	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	XC	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			
34	QC	206	Total	C	N	O	S	0	0	0
			1558	979	305	273	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	XD	208	Total	C	N	O	S	0	0	0
			1668	1047	330	284	7			
35	QD	208	Total	C	N	O	S	0	0	0
			1665	1043	329	286	7			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	XE	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			
36	QE	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	XF	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			
37	QF	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	XG	155	Total	C	N	O	S	0	0	0
			1229	766	241	216	6			
38	QG	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	XH	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			
39	QH	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	XI	126	Total	C	N	O	0	0	0
			966	613	186	167			
40	QI	127	Total	C	N	O	0	0	0
			986	625	193	168			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	XJ	96	Total	C	N	O	0	0	0
			710	442	137	131			
41	QJ	97	Total	C	N	O	0	0	0
			719	446	142	131			

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

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

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	QK	114	Total	C	N	O	S	0	0	0
			834	520	156	155	3			

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
49	XR	68	Total	C	N	O	0	0	0
			555	355	108	92			
49	QR	68	Total	C	N	O	0	0	0
			555	355	108	92			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	XS	83	Total	C	N	O	S	0	0	0
			645	410	118	115	2			
50	QS	83	Total	C	N	O	S	0	0	0
			648	415	120	111	2			

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
52	XU	23	Total	C	N	O	0	0	0
			199	122	48	29			
52	QU	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 53 is a RNA chain called P-site tRNA fMet.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	QV	77	Total	C	N	O	P	0	0	0
			1644	732	297	538	77			
53	XV	77	Total	C	N	O	P	0	0	0
			1644	732	297	538	77			

- Molecule 54 is a protein called Peptide chain release factor 2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	QY	357	Total	C	N	O	S	0	0	0
			2833	1742	498	583	10			
54	XY	357	Total	C	N	O	S	0	0	0
			2833	1742	498	583	10			

There are 32 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
QY	-14	MET	-	initiating methionine	UNP P07012
QY	-13	GLY	-	expression tag	UNP P07012
QY	-12	SER	-	expression tag	UNP P07012
QY	-11	SER	-	expression tag	UNP P07012
QY	-10	HIS	-	expression tag	UNP P07012
QY	-9	HIS	-	expression tag	UNP P07012
QY	-8	HIS	-	expression tag	UNP P07012
QY	-7	HIS	-	expression tag	UNP P07012
QY	-6	HIS	-	expression tag	UNP P07012
QY	-5	HIS	-	expression tag	UNP P07012
QY	-4	SER	-	expression tag	UNP P07012
QY	-3	GLU	-	expression tag	UNP P07012
QY	-2	ASP	-	expression tag	UNP P07012
QY	-1	PRO	-	expression tag	UNP P07012
QY	0	ALA	-	expression tag	UNP P07012
QY	298	VAL	LEU	conflict	UNP P07012
XY	-14	MET	-	initiating methionine	UNP P07012
XY	-13	GLY	-	expression tag	UNP P07012
XY	-12	SER	-	expression tag	UNP P07012
XY	-11	SER	-	expression tag	UNP P07012
XY	-10	HIS	-	expression tag	UNP P07012
XY	-9	HIS	-	expression tag	UNP P07012
XY	-8	HIS	-	expression tag	UNP P07012
XY	-7	HIS	-	expression tag	UNP P07012
XY	-6	HIS	-	expression tag	UNP P07012
XY	-5	HIS	-	expression tag	UNP P07012
XY	-4	SER	-	expression tag	UNP P07012

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Chain	Residue	Modelled	Actual	Comment	Reference
XY	-3	GLU	-	expression tag	UNP P07012
XY	-2	ASP	-	expression tag	UNP P07012
XY	-1	PRO	-	expression tag	UNP P07012
XY	0	ALA	-	expression tag	UNP P07012
XY	298	VAL	LEU	conflict	UNP P07012

- Molecule 55 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	XX	6	Total	C	N	O	P	0	0	0
			129	58	24	41	6			
55	QX	6	Total	C	N	O	P	0	0	0
			129	58	24	41	6			

- Molecule 56 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	YA	756	Total	Mg	0	0
			756	756		
56	YB	19	Total	Mg	0	0
			19	19		
56	YD	9	Total	Mg	0	0
			9	9		
56	YE	7	Total	Mg	0	0
			7	7		
56	YF	3	Total	Mg	0	0
			3	3		
56	YG	3	Total	Mg	0	0
			3	3		
56	YI	1	Total	Mg	0	0
			1	1		
56	YN	1	Total	Mg	0	0
			1	1		
56	YO	2	Total	Mg	0	0
			2	2		
56	YP	1	Total	Mg	0	0
			1	1		
56	YQ	2	Total	Mg	0	0
			2	2		
56	YR	1	Total	Mg	0	0
			1	1		
56	YT	3	Total	Mg	0	0
			3	3		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	YV	1	Total 1	Mg 1	0	0
56	YW	2	Total 2	Mg 2	0	0
56	YX	1	Total 1	Mg 1	0	0
56	Y0	1	Total 1	Mg 1	0	0
56	Y1	2	Total 2	Mg 2	0	0
56	Y5	1	Total 1	Mg 1	0	0
56	Y6	1	Total 1	Mg 1	0	0
56	Y7	1	Total 1	Mg 1	0	0
56	Y8	2	Total 2	Mg 2	0	0
56	XA	193	Total 193	Mg 193	0	0
56	XE	2	Total 2	Mg 2	0	0
56	XF	3	Total 3	Mg 3	0	0
56	XH	1	Total 1	Mg 1	0	0
56	XJ	1	Total 1	Mg 1	0	0
56	XK	1	Total 1	Mg 1	0	0
56	XL	1	Total 1	Mg 1	0	0
56	XT	1	Total 1	Mg 1	0	0
56	QA	280	Total 280	Mg 280	0	0
56	QB	1	Total 1	Mg 1	0	0
56	QD	4	Total 4	Mg 4	0	0
56	QE	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	QF	1	Total 1	Mg 1	0	0
56	QG	3	Total 3	Mg 3	0	0
56	QH	2	Total 2	Mg 2	0	0
56	QI	1	Total 1	Mg 1	0	0
56	QL	2	Total 2	Mg 2	0	0
56	QM	1	Total 1	Mg 1	0	0
56	QN	2	Total 2	Mg 2	0	0
56	QO	1	Total 1	Mg 1	0	0
56	QQ	2	Total 2	Mg 2	0	0
56	QR	1	Total 1	Mg 1	0	0
56	QT	1	Total 1	Mg 1	0	0
56	RA	1069	Total 1069	Mg 1069	0	0
56	RB	28	Total 28	Mg 28	0	0
56	RD	14	Total 14	Mg 14	0	0
56	RE	7	Total 7	Mg 7	0	0
56	RF	11	Total 11	Mg 11	0	0
56	RG	4	Total 4	Mg 4	0	0
56	RH	2	Total 2	Mg 2	0	0
56	RN	3	Total 3	Mg 3	0	0
56	RO	1	Total 1	Mg 1	0	0
56	RP	2	Total 2	Mg 2	0	0

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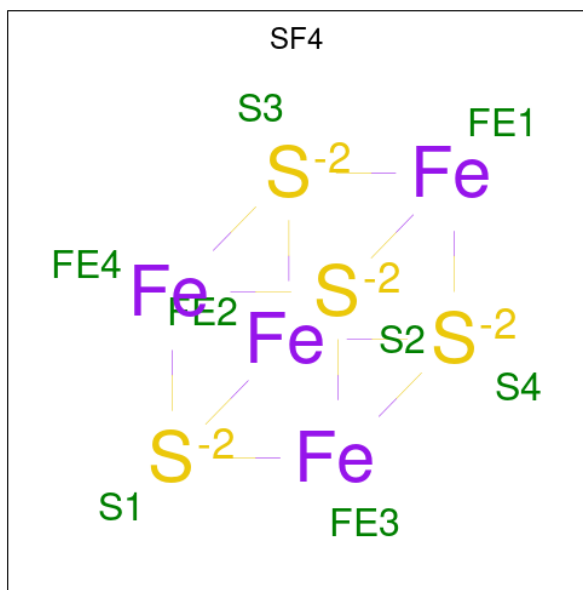
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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56	RR	4	Total 4	Mg 4	0	0
56	RT	3	Total 3	Mg 3	0	0
56	RU	3	Total 3	Mg 3	0	0
56	RV	4	Total 4	Mg 4	0	0
56	RW	2	Total 2	Mg 2	0	0
56	RX	1	Total 1	Mg 1	0	0
56	RZ	1	Total 1	Mg 1	0	0
56	R0	4	Total 4	Mg 4	0	0
56	R1	4	Total 4	Mg 4	0	0
56	R3	2	Total 2	Mg 2	0	0
56	R4	1	Total 1	Mg 1	0	0
56	R5	4	Total 4	Mg 4	0	0
56	R7	2	Total 2	Mg 2	0	0
56	R8	1	Total 1	Mg 1	0	0
56	R9	2	Total 2	Mg 2	0	0
56	QV	4	Total 4	Mg 4	0	0
56	QY	2	Total 2	Mg 2	0	0
56	XV	3	Total 3	Mg 3	0	0
56	XY	1	Total 1	Mg 1	0	0

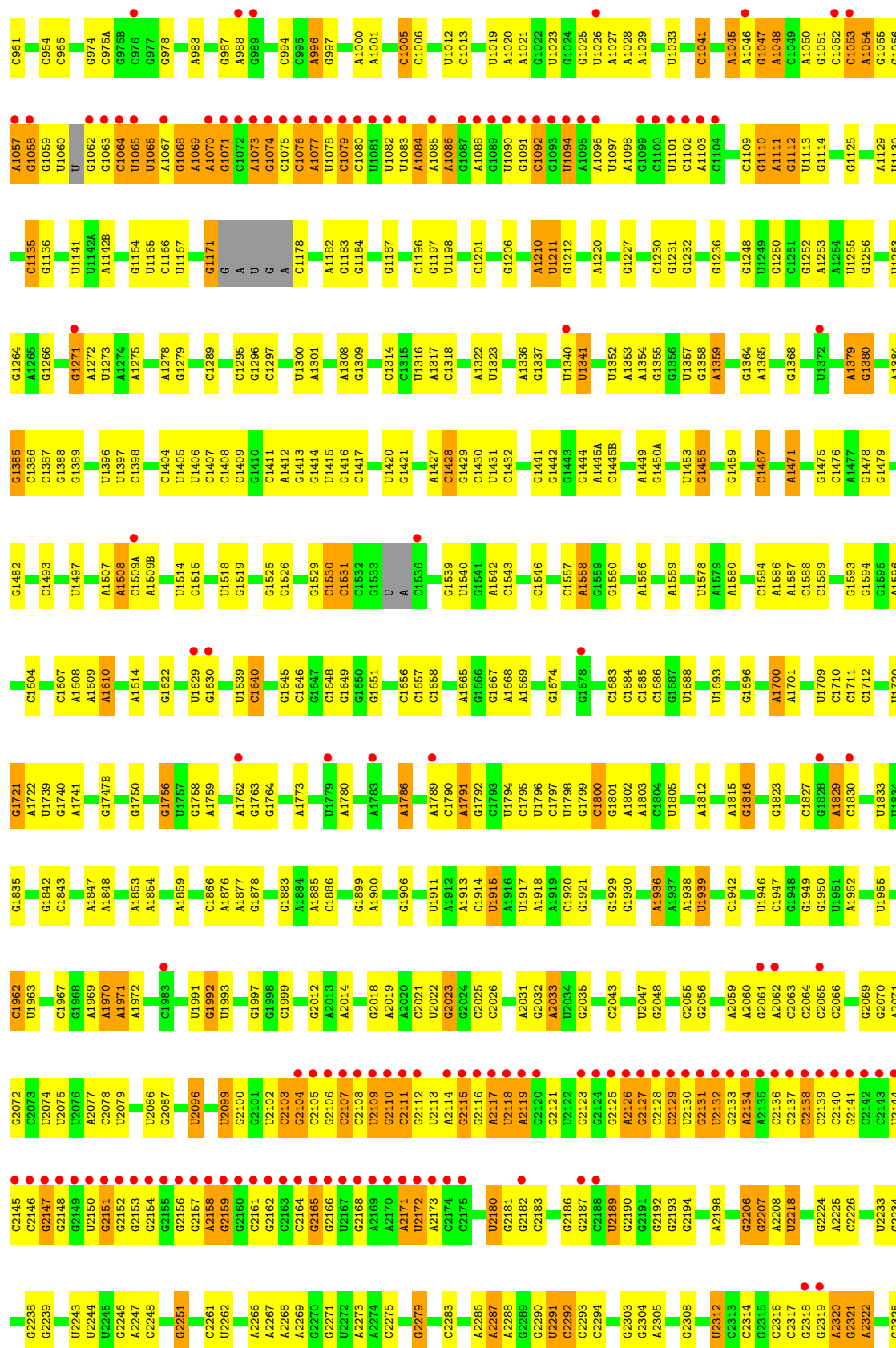
- Molecule 57 is ZINC ION (CCD ID: ZN) (formula: Zn).

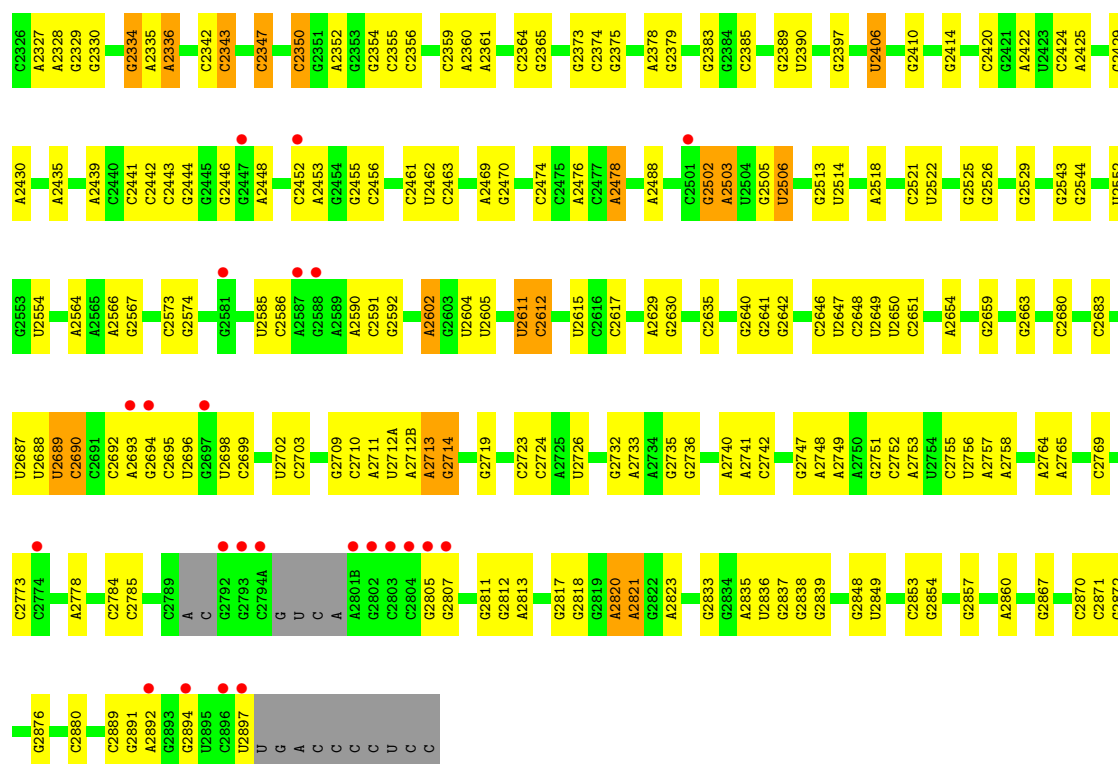
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	YY	1	Total Zn 1 1	0	0
57	Y4	1	Total Zn 1 1	0	0
57	Y5	1	Total Zn 1 1	0	0
57	Y6	1	Total Zn 1 1	0	0
57	Y9	1	Total Zn 1 1	0	0
57	XN	1	Total Zn 1 1	0	0
57	QN	1	Total Zn 1 1	0	0
57	RY	1	Total Zn 1 1	0	0
57	R4	1	Total Zn 1 1	0	0
57	R5	1	Total Zn 1 1	0	0
57	R6	1	Total Zn 1 1	0	0
57	R9	1	Total Zn 1 1	0	0

- Molecule 58 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).

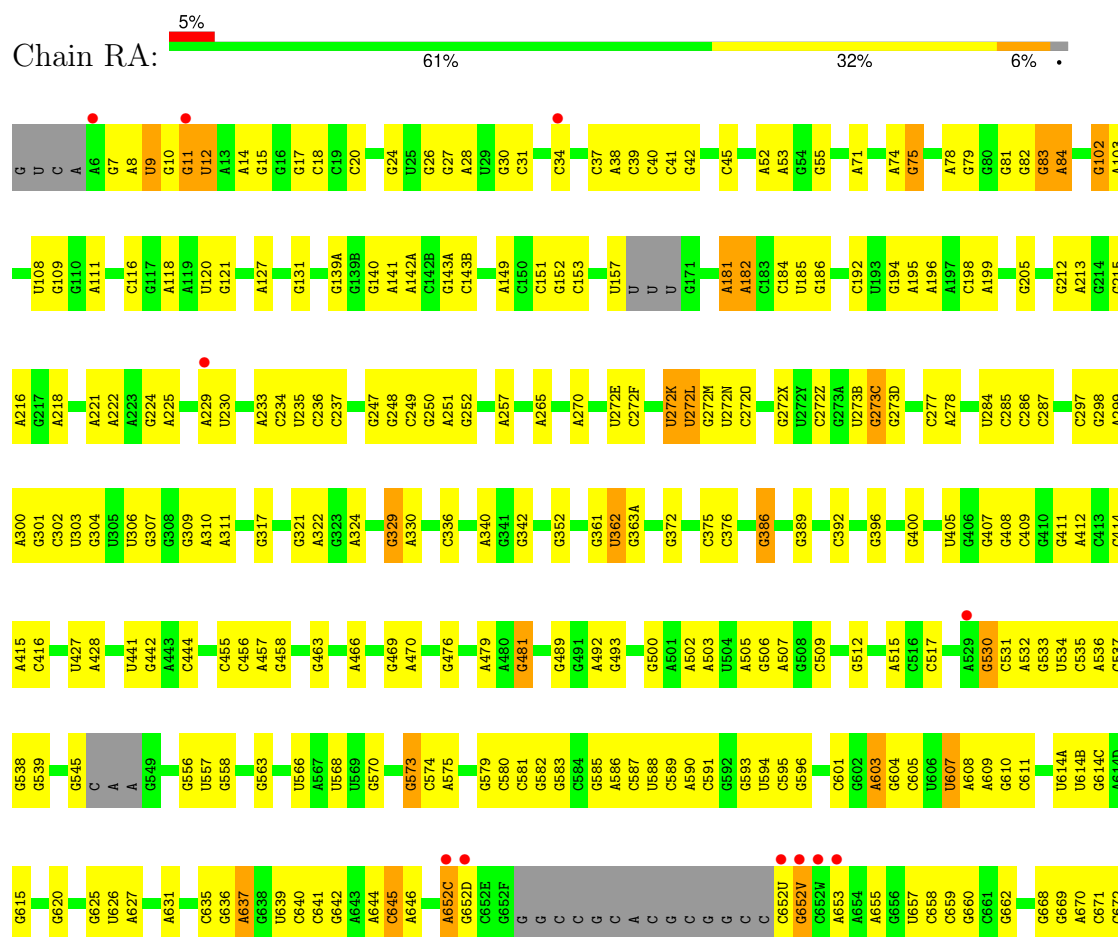


Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
58	XD	1	Total 8	Fe 4	S 4	0	0
58	QD	1	Total 8	Fe 4	S 4	0	0

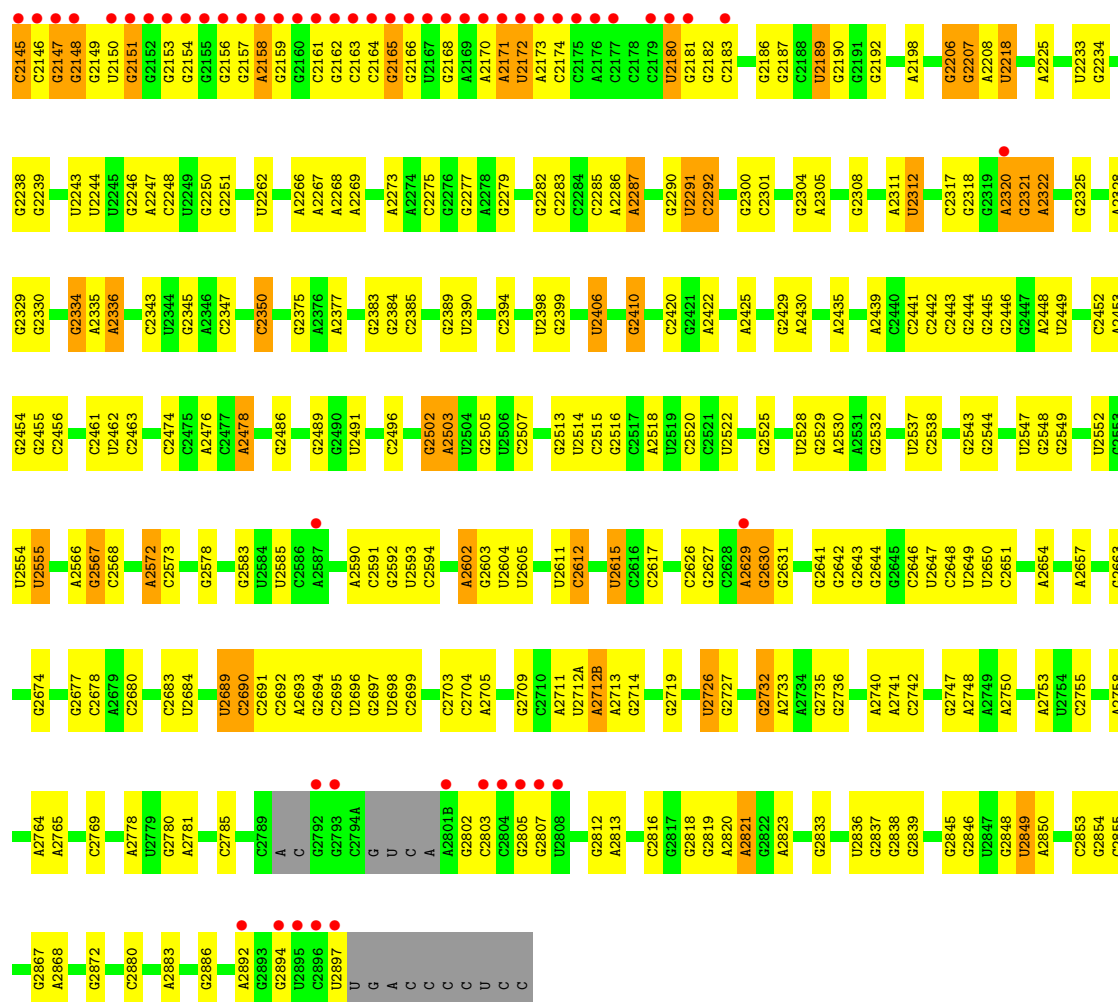




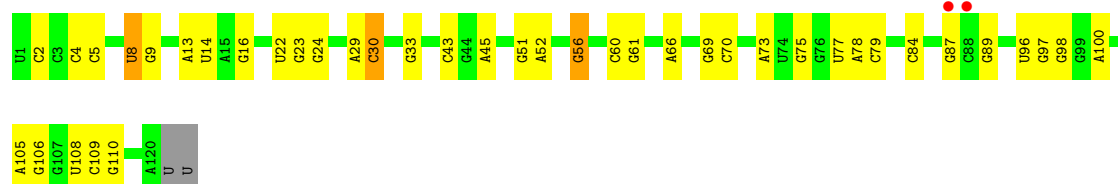
• Molecule 1: 23S rRNA



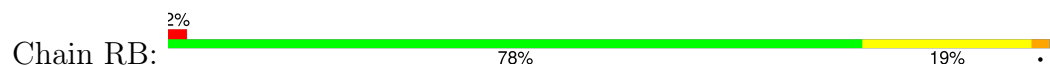
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A1970	A1971	A1972	U1991	G1992	U1993	G1997	A2001	G2002	G2010	U2011	G2012	A2013	A2014	A2019	A2020	C2021	U2022	G2023	C2024	C2025	C2026	A2030	A2031	G2032	A2033	C2043	U2047	A1936	A1937	A1938	U1939	C1942	G1945	U1946	C1947	G1948	G1949	G1950	C2063	C2064	C2065	C2066	G2069	G2070	A2071	G1964	C2072	C2073	U2074	C2075	U2076	U2077				
G1835	A1847	A1848	A1853	A1854	U1864	G1865	G1866	A1876	A1877	G1878	A1889	G1899	A1900	G1906	C2021	U2022	G2023	C2024	C2025	C2026	A2030	A2031	G2032	A2033	C2043	U2047	A1936	A1937	A1938	U1939	C1942	G1945	U1946	C1947	G1948	G1949	G1950	C2063	C2064	C2065	C2066	G2069	G2070	A2071	G1964	C2072	C2073	U2074	C2075	U2076	U2077					
C1710	C1711	C1712	A1721	A1722	U1741	G1756	U1757	G1758	A1762	G1763	G1764	A1773	U1779	A1780	C1781	C1782	A1783	A1784	A1785	A1786	A1787	A1791	U1794	C1795	U1796	C1797	G1798	C1800	G1801	A1802	A1803	C1804	U1805	G1811	A1812	A1815	G1816	G1817	G1824	C1827	A1828	A1829	C1830	G1831	C1832	U1833	U1834									
A1566	A1567	G1568	A1569	U1578	A1579	G1580	G1581	C1582	A1583	C1584	A1586	A1587	C1588	C1589	A1596	A1608	A1609	A1610	A1614	U1629	G1630	C1631A	C1636	A1637	C1638	C1639	C1640	G1647	C1648	C1656	C1657	C1658	U1659	A1669	G1674	C1685	C1686	G1687	A1689	G1696	A1700	A1701	U1709													
G1421	C1428	G1429	U1430	U1431	C1432	G1444	A1445A	C1446	G1447	G1448	A1449	G1450A	U1453	G1455	G1459	A1460	C1467	A1471	C1474	G1475	C1476	G1482	C1493	U1497	A1507	A1508	C1509A	A1509B	U1514	U1515	G1529	C1530	C1531	C1532	G1533	U1536	A1542	C1543	C1546	A1558																
U1292	C1293	G1296	U1300	A1301	A1302	G1310	U1313	C1314	C1315	U1316	A1317	A1322	U1323	U1340	U1341	U1352	A1353	A1354	G1355	A1359	A1365	G1368	G1377	A1378	A1379	G1380	A1384	G1385	C1386	C1387	G1388	C1389	A1395	U1396	C1404	U1405	U1406	C1407	G1416	C1417	G1418	U1420														
A1143	G1144	C1153	G1154	G1164	U1165	U1167	G1171	A	U	G	A	C1178	U1188	U1198	U1199	C1200	C1201	C1202	G1206	A1210	U1211	G1212	A1220	G1223	A1226	G1236	G1250	C1251	G1262	A1263	G1265	U1266	U1263	G1264	U1265	U1266	G1271	A1272	U1273	A1278	G1279															
G1068	A1069	A1070	A1071	C1072	G1073	G1074	C1075	C1076	A1077	U1078	C1079	C1080	U1081	U1082	U1083	A1084	A1085	A1086	U1087	G1088	G1089	U1090	G1091	C1092	G1093	A1094	A1095	A1096	U1097	A1098	G1099	C1100	U1101	C1102	A1103	U1105	G1106	C1109	G1110	A1111	G1112	U1113	G1114	G1125	A1129	U1130	C1135	U1136	G1139	C1140	U1141	U1142A	A1142B			
G993	C994	C995	A996	G997	C998	U999	A1000	A1001	C1005	U1006	U1012	C1013	G1017	G1018	U1019	A1020	G1024	U1025	C1027	A1028	A1029	U1033	G1034	U1035	G1036	C1040	C1041	A1045	A1046	G1047	A1048	C1049	A1050	G1051	C1052	C1053	A1054	G1055	U1056	A1057	G1058	U1059	U1060	G1062	U1063	C1064	U1065	U1066	A1067							
C888	C889	A890	C892	C893	A896	C897	A898	C899	A900	A901	U907	A910	U911	C914	C915	G916	A917	A918	U922	C923	G932	A941	A945	G946	G947	G948	A953	C954	C955	A957	U958	A959	A960	C961	C964	G974	C975A	G978	C982	A983	C986	G987	C886	A887												
C873	G674	A675	C679	G680	G681	A685	G686	G690	C691	C692	G702	G717	A718	C719	C720	A721	A722	G725	G726	G729	C730	C731	U740	G741	G742	G743	U747	G748	C749	A752	C753	G763	A764	A774	G775	G776	A777	G778	A782	A783	A784	G785	C786	U787	A788	A789										



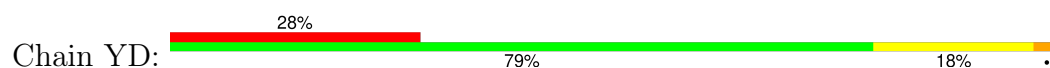
• Molecule 2: 5S rRNA

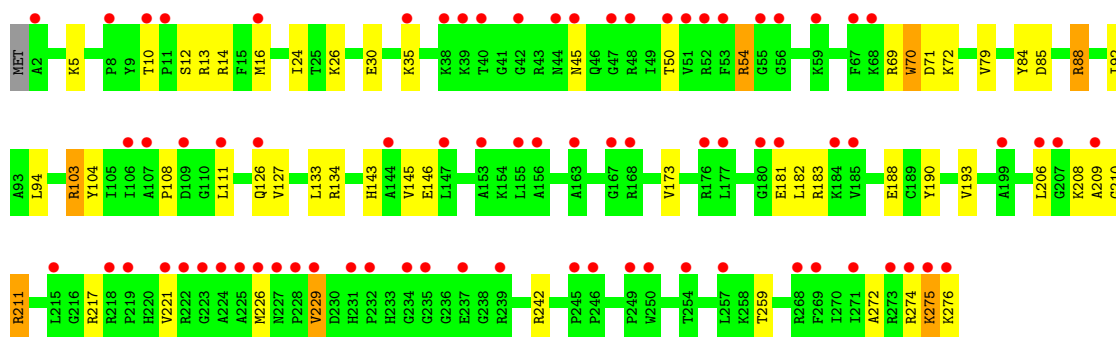


• Molecule 2: 5S rRNA

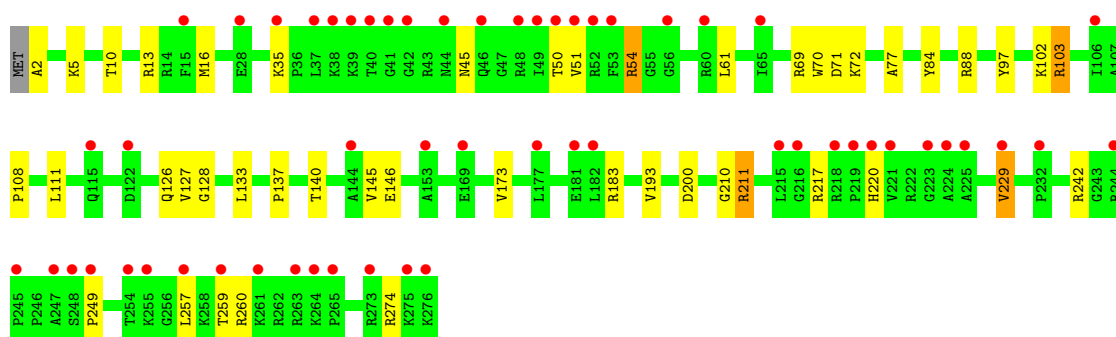
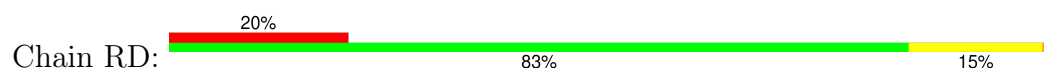


• Molecule 3: 50S ribosomal protein L2

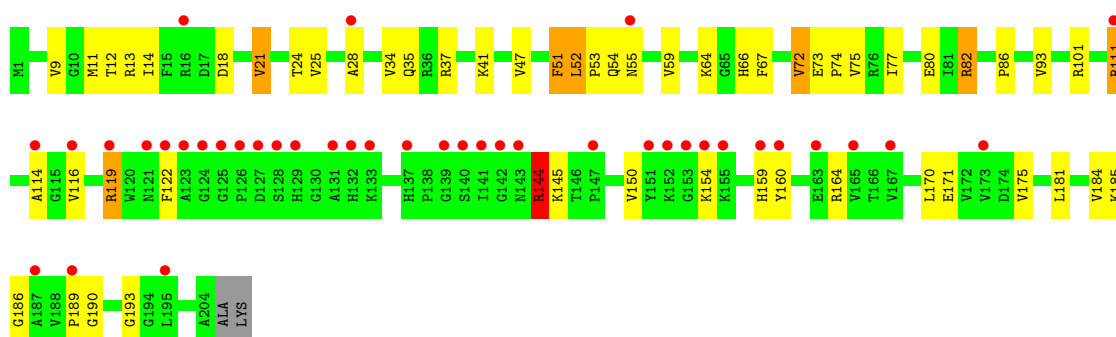
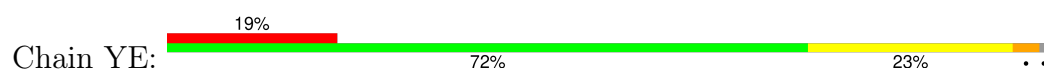




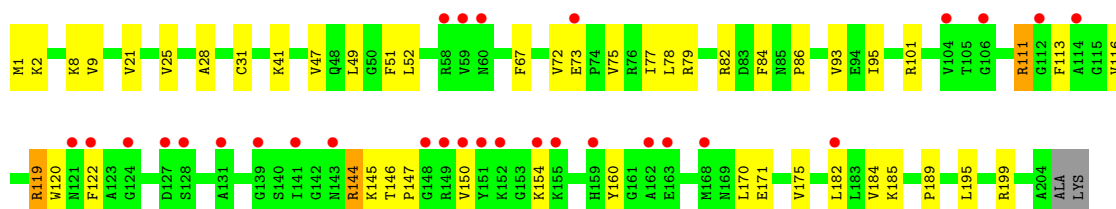
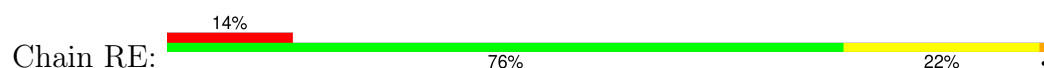
• Molecule 3: 50S ribosomal protein L2



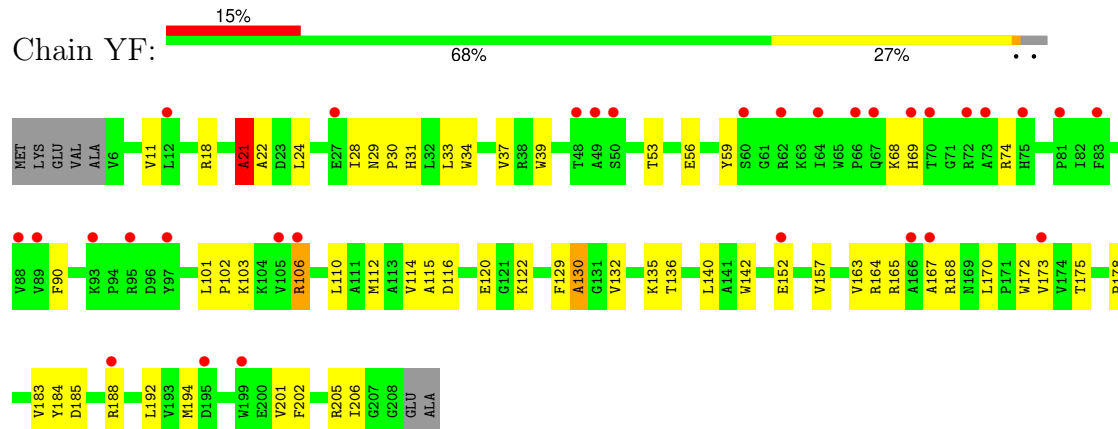
• Molecule 4: 50S ribosomal protein L3



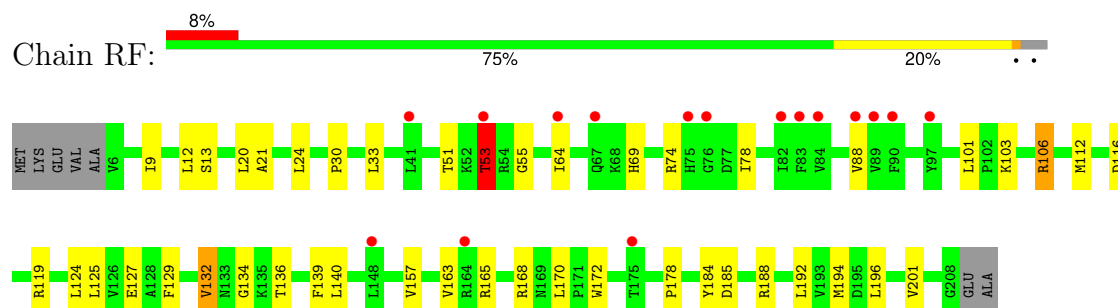
• Molecule 4: 50S ribosomal protein L3



- Molecule 5: 50S ribosomal protein L4



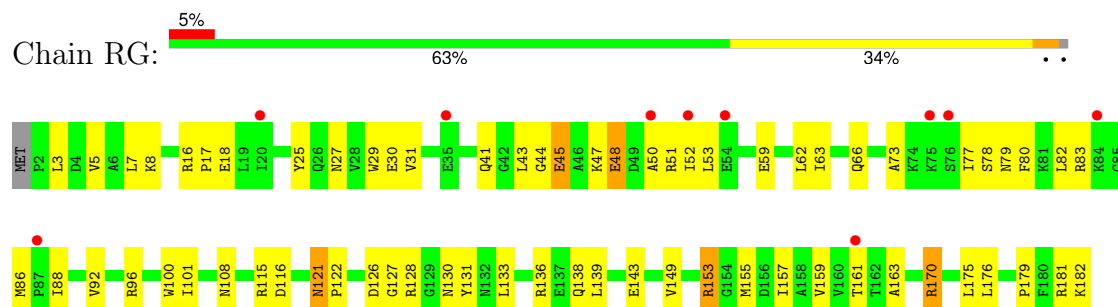
- Molecule 5: 50S ribosomal protein L4



- Molecule 6: 50S ribosomal protein L5

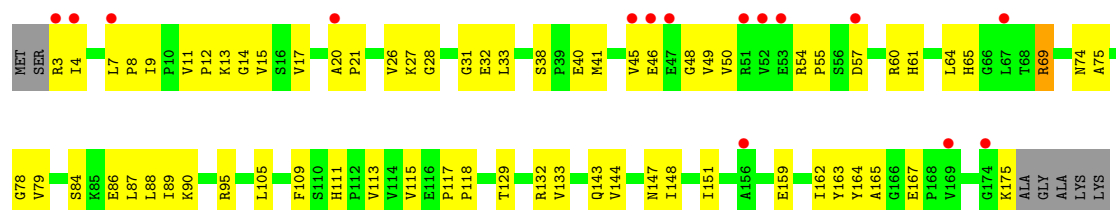


- Molecule 6: 50S ribosomal protein L5



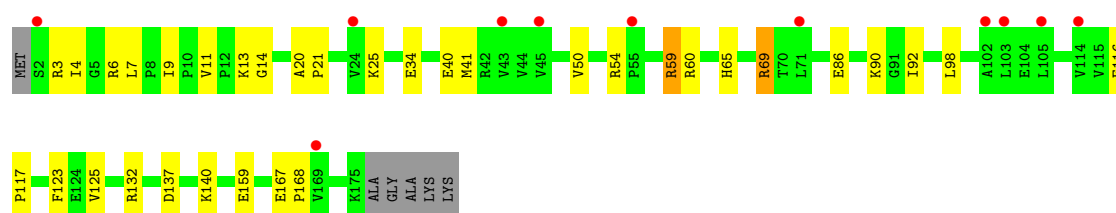
- Molecule 7: 50S ribosomal protein L6

Chain YH:  8% 58% 37%



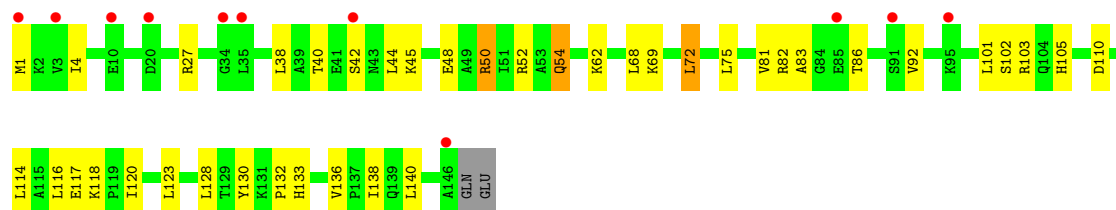
- Molecule 7: 50S ribosomal protein L6

Chain RH:  6% 78% 18%



- Molecule 8: 50S ribosomal protein L9

Chain YI:  7% 72% 25%



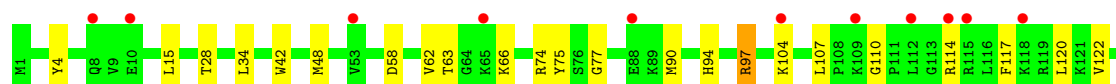
- Molecule 8: 50S ribosomal protein L9

Chain RI:  13% 74% 26%



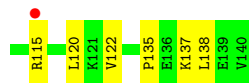
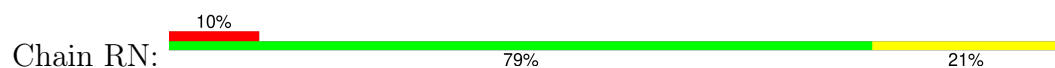
- Molecule 9: 50S ribosomal protein L13

Chain YN:  9% 80% 19%

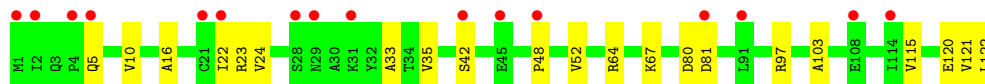
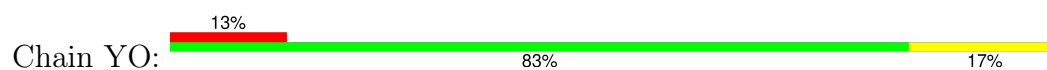




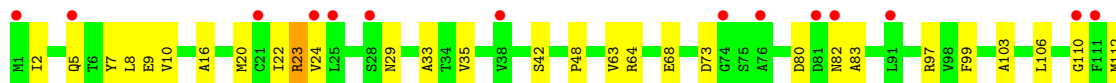
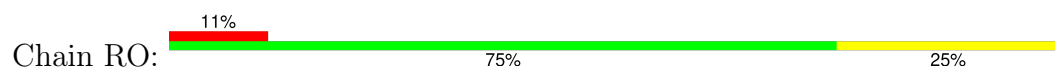
- Molecule 9: 50S ribosomal protein L13



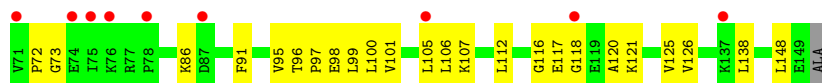
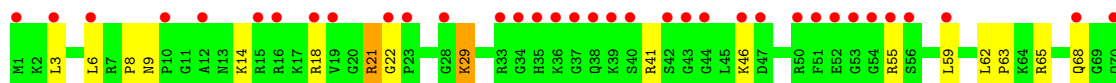
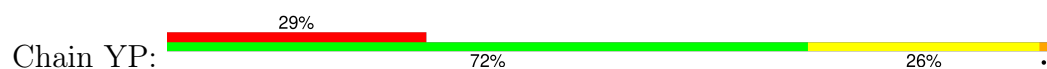
- Molecule 10: 50S ribosomal protein L14



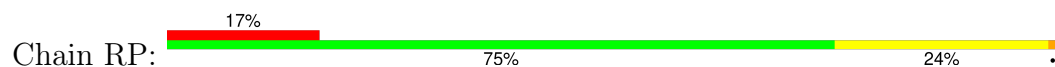
- Molecule 10: 50S ribosomal protein L14



- Molecule 11: 50S ribosomal protein L15

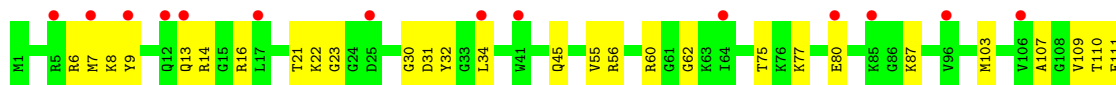
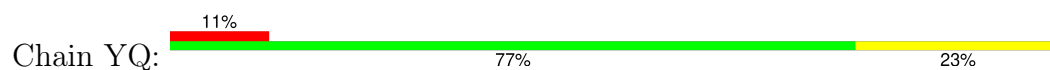


- Molecule 11: 50S ribosomal protein L15

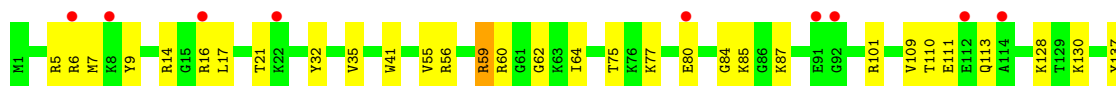
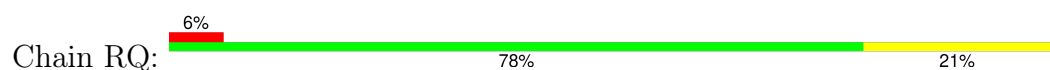




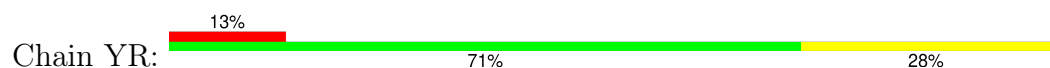
- Molecule 12: 50S ribosomal protein L16



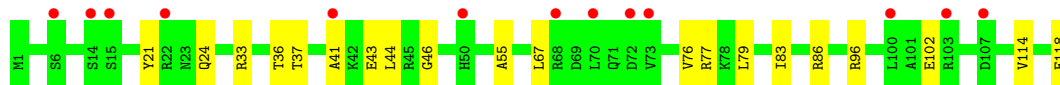
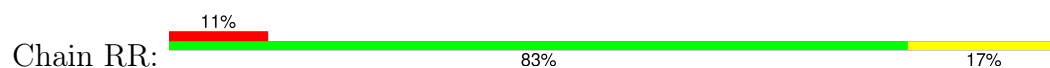
- Molecule 12: 50S ribosomal protein L16



- Molecule 13: 50S ribosomal protein L17



- Molecule 13: 50S ribosomal protein L17

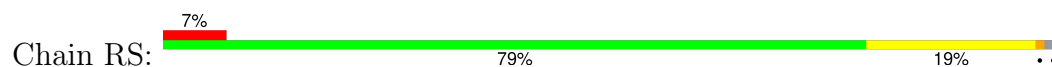


- Molecule 14: 50S ribosomal protein L18

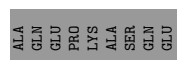




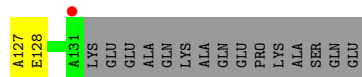
- Molecule 14: 50S ribosomal protein L18



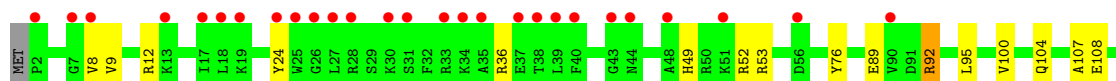
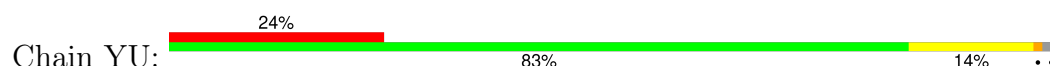
- Molecule 15: 50S ribosomal protein L19



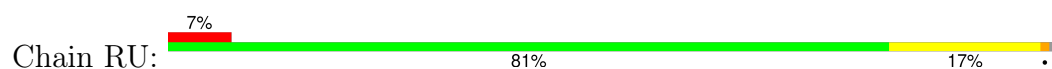
- Molecule 15: 50S ribosomal protein L19



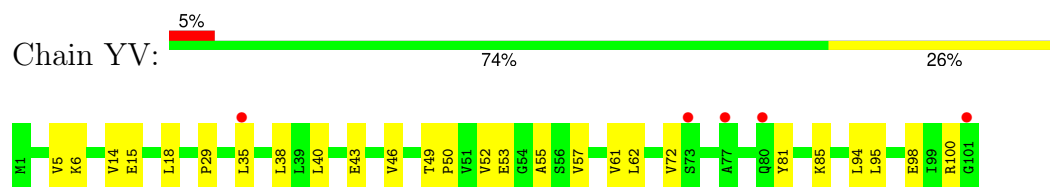
- Molecule 16: 50S ribosomal protein L20



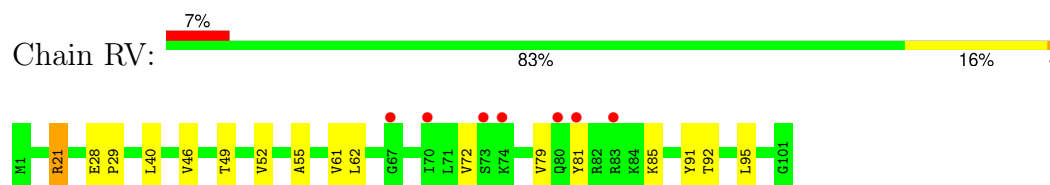
- Molecule 16: 50S ribosomal protein L20



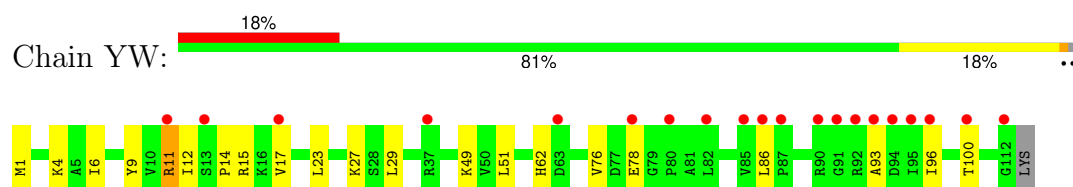
• Molecule 17: 50S ribosomal protein L21



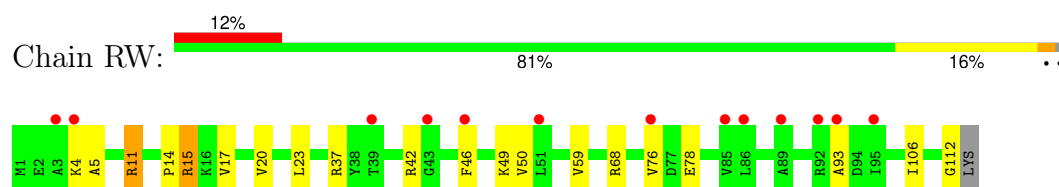
• Molecule 17: 50S ribosomal protein L21



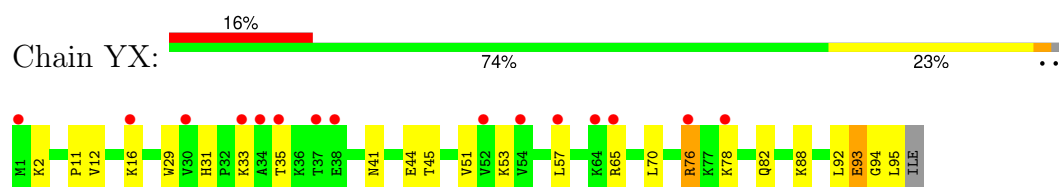
• Molecule 18: 50S ribosomal protein L22



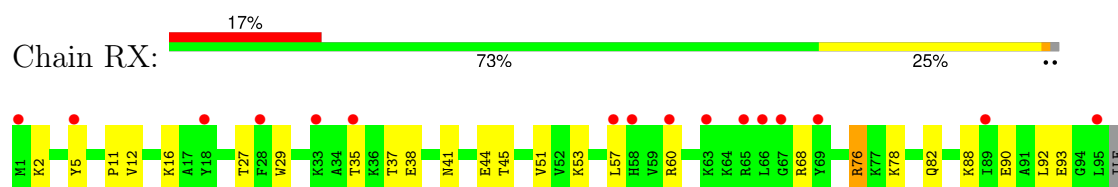
• Molecule 18: 50S ribosomal protein L22



• Molecule 19: 50S ribosomal protein L23

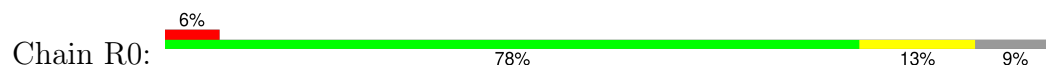
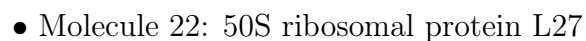
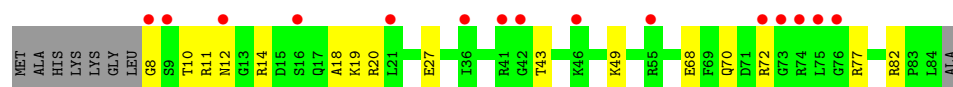
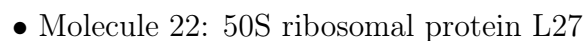
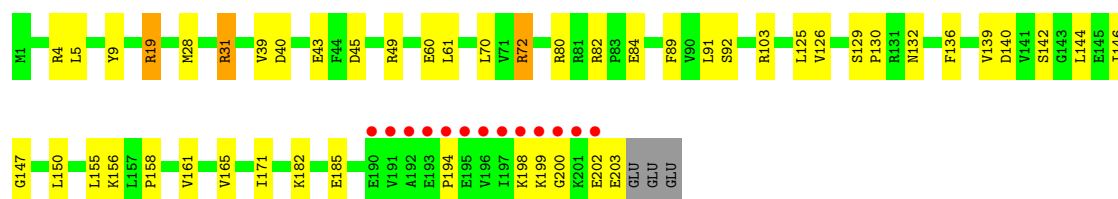
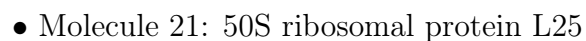
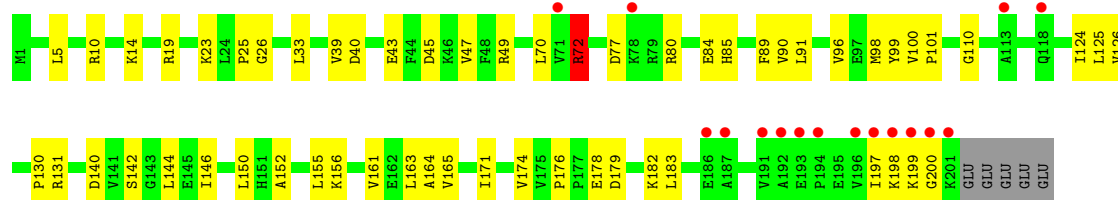
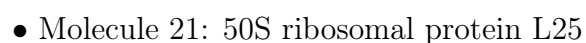
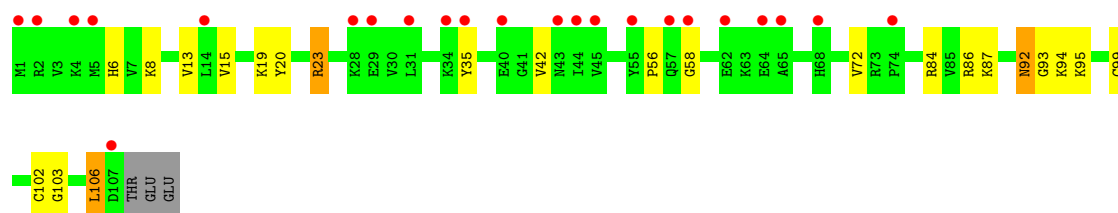
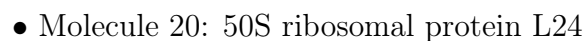


• Molecule 19: 50S ribosomal protein L23



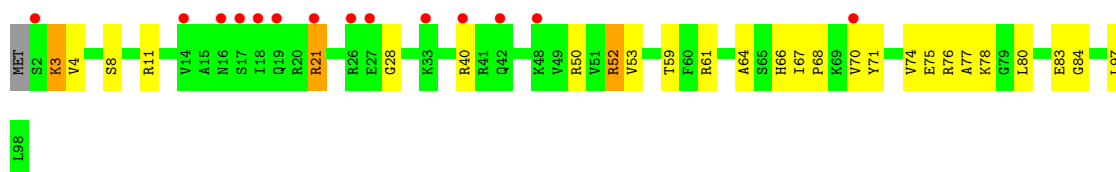
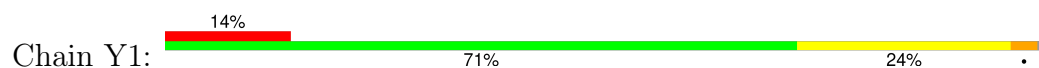
• Molecule 20: 50S ribosomal protein L24



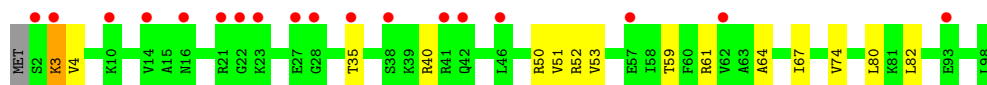
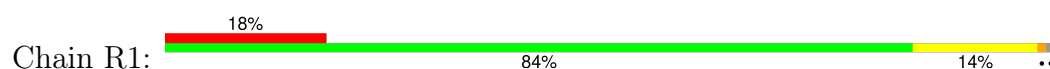




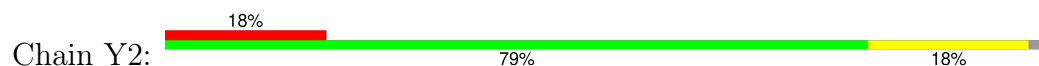
- Molecule 23: 50S ribosomal protein L28



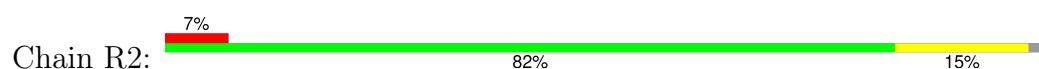
- Molecule 23: 50S ribosomal protein L28



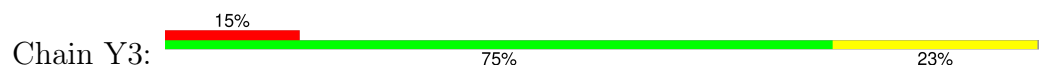
- Molecule 24: 50S ribosomal protein L29



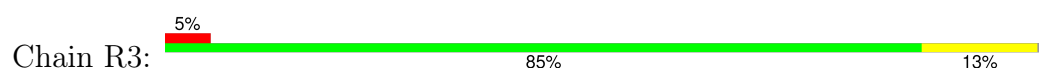
- Molecule 24: 50S ribosomal protein L29



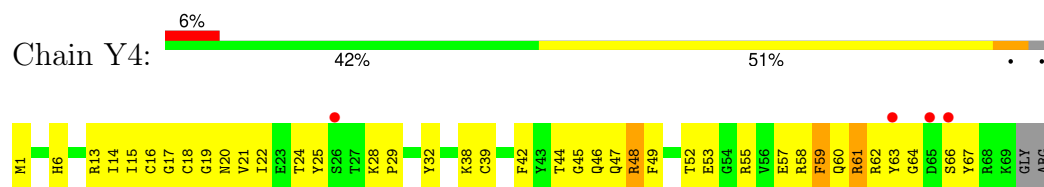
- Molecule 25: 50S ribosomal protein L30



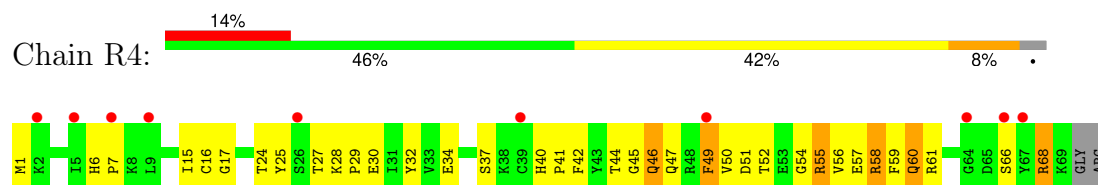
- Molecule 25: 50S ribosomal protein L30



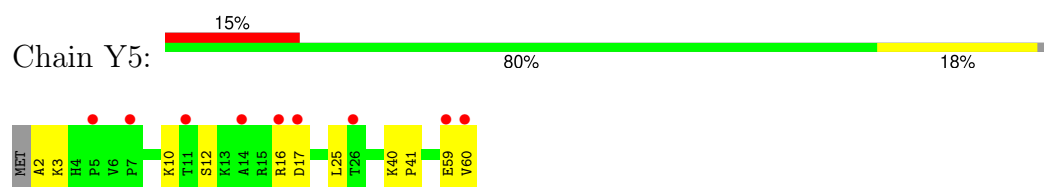
• Molecule 26: 50S ribosomal protein L31



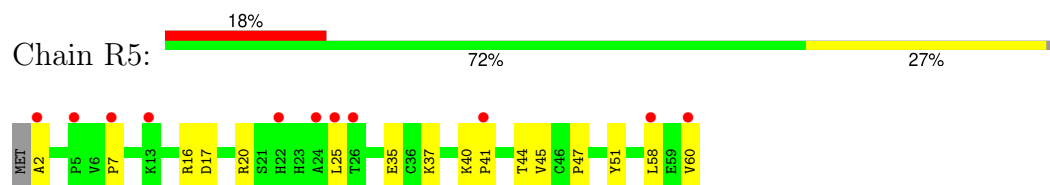
• Molecule 26: 50S ribosomal protein L31



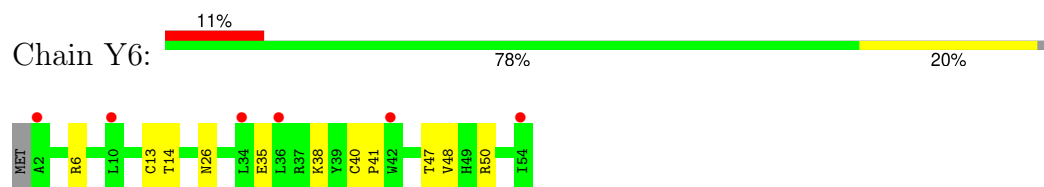
• Molecule 27: 50S ribosomal protein L32



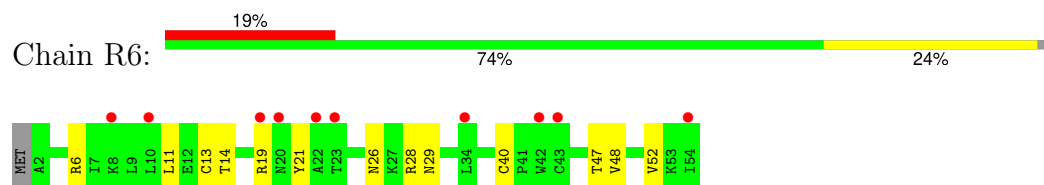
• Molecule 27: 50S ribosomal protein L32



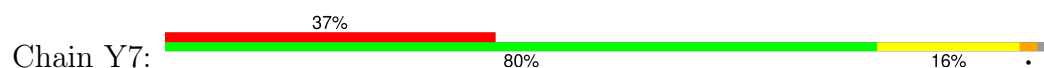
• Molecule 28: 50S ribosomal protein L33

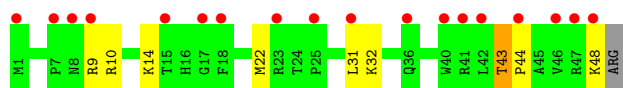


• Molecule 28: 50S ribosomal protein L33

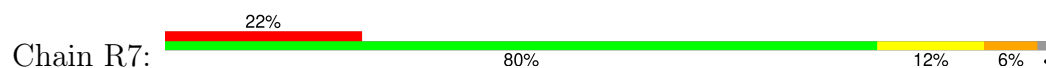


• Molecule 29: 50S ribosomal protein L34

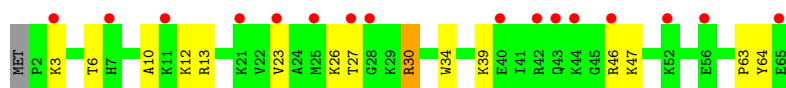
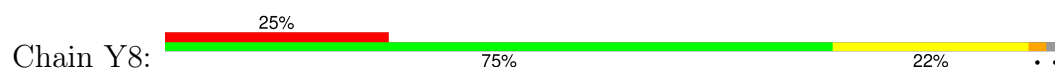




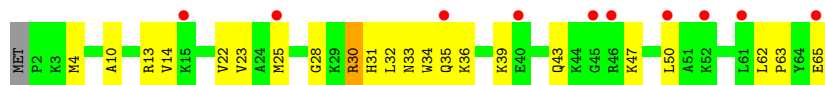
- Molecule 29: 50S ribosomal protein L34



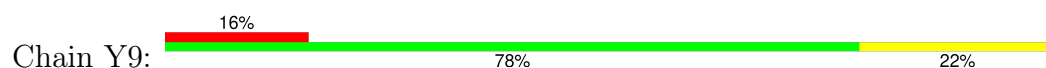
- Molecule 30: 50S ribosomal protein L35



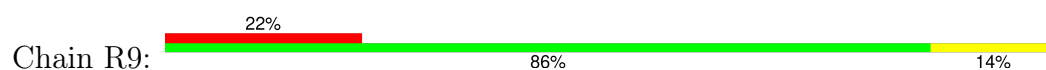
- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36

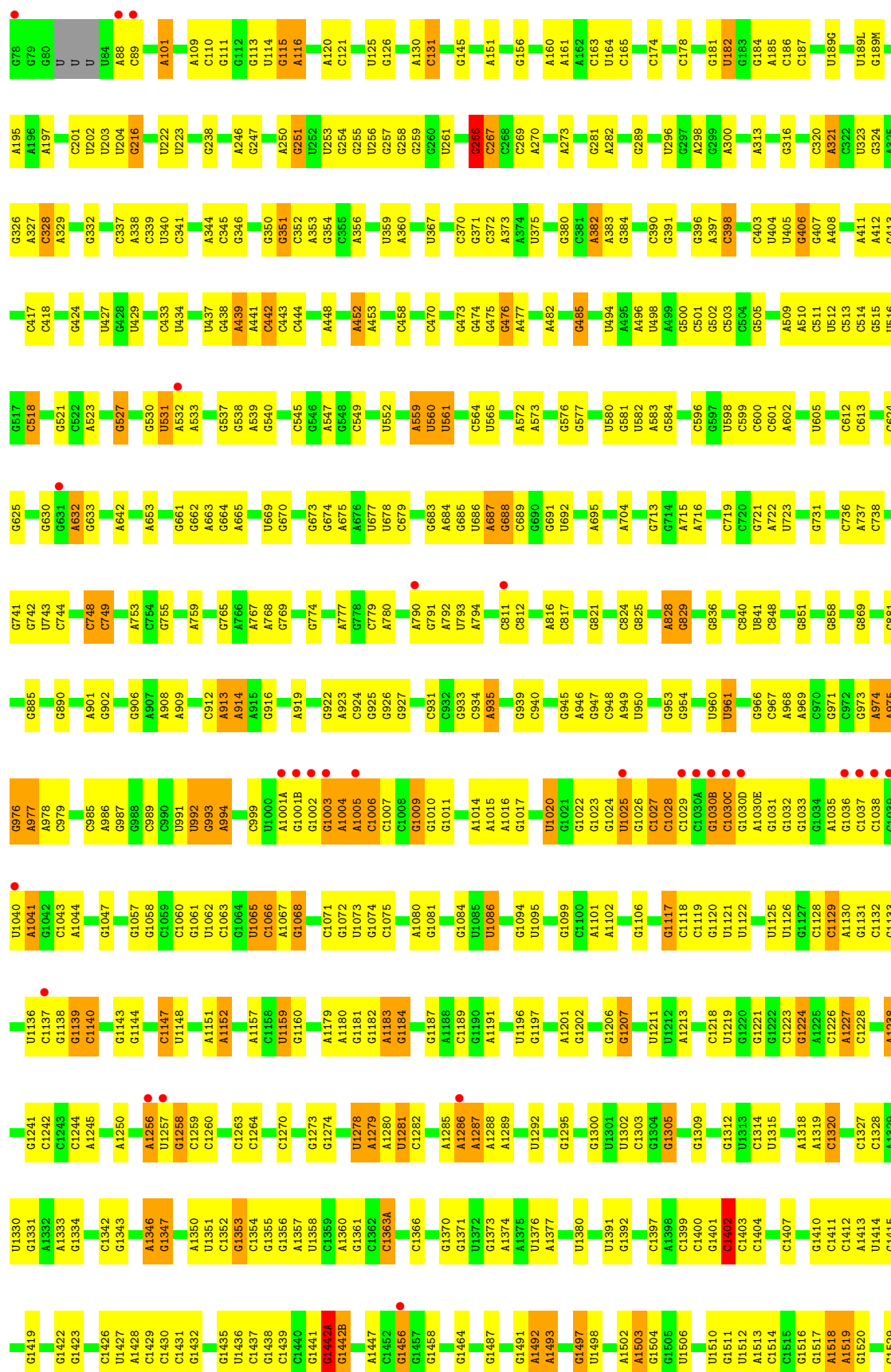


- Molecule 31: 50S ribosomal protein L36



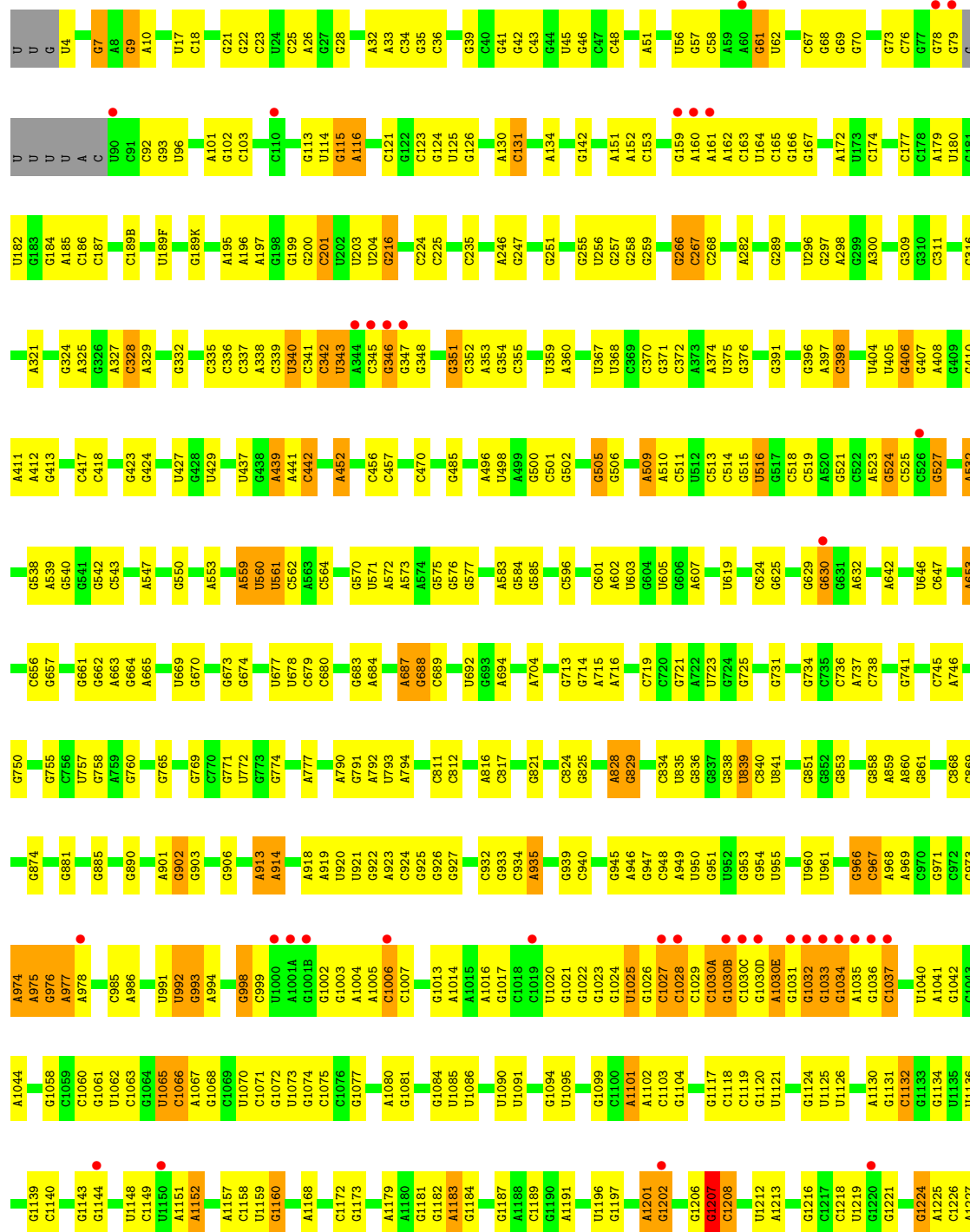
- Molecule 32: 16S rRNA

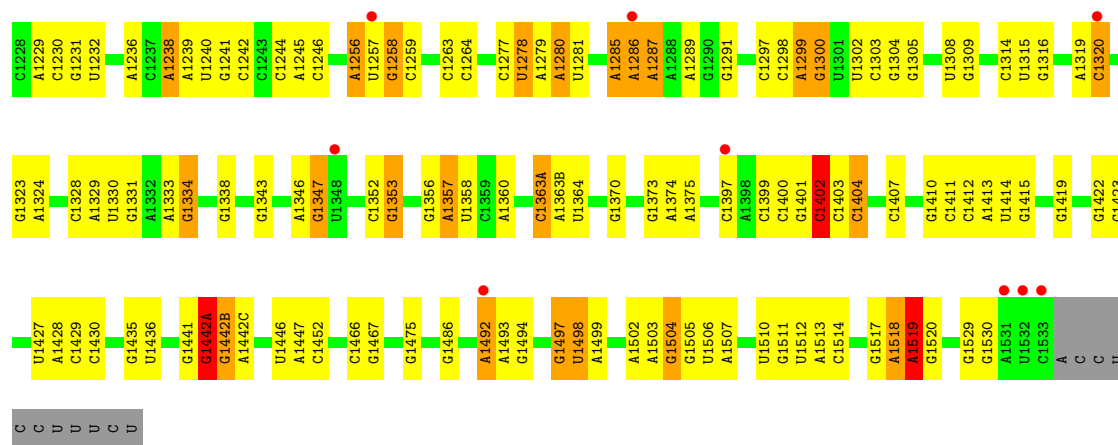




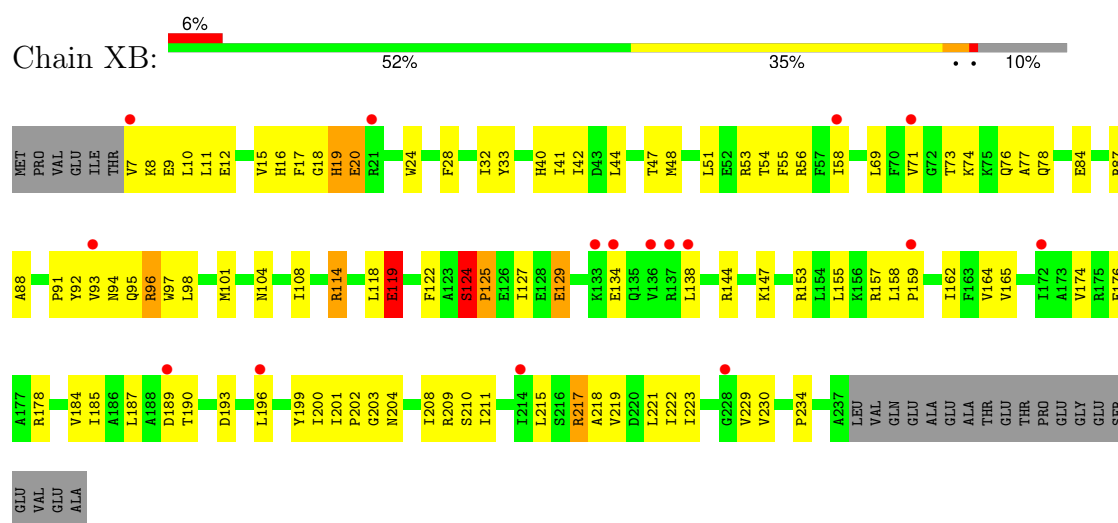


• Molecule 32: 16S rRNA

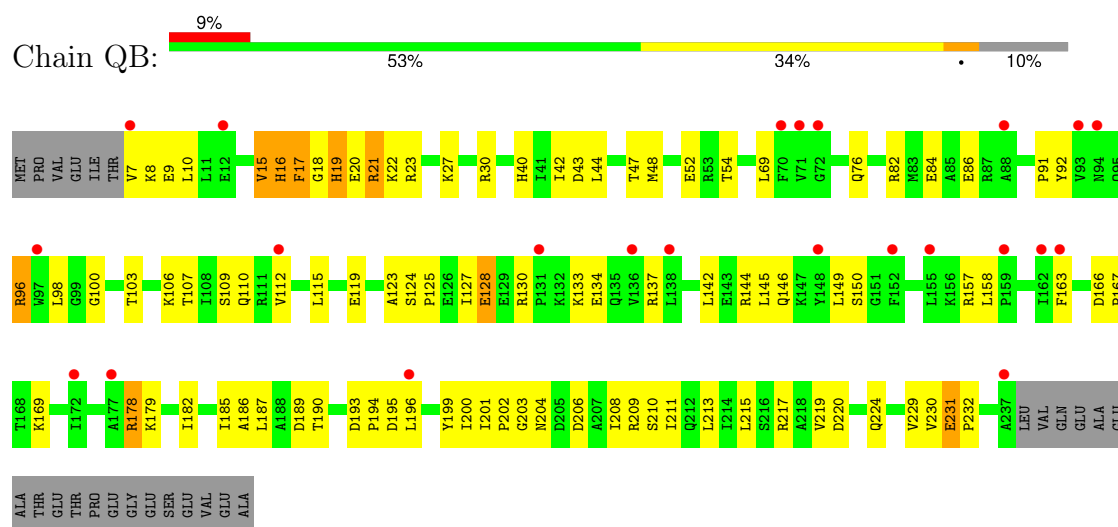




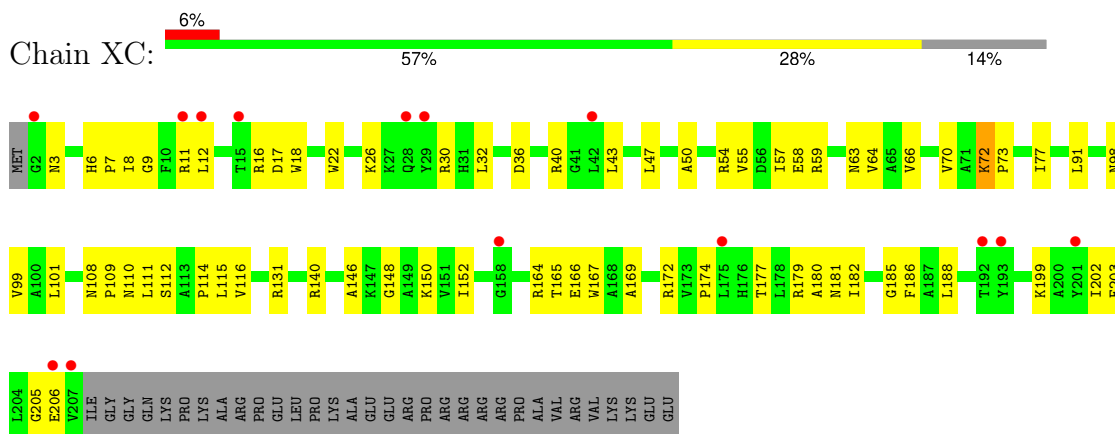
• Molecule 33: 30S ribosomal protein S2



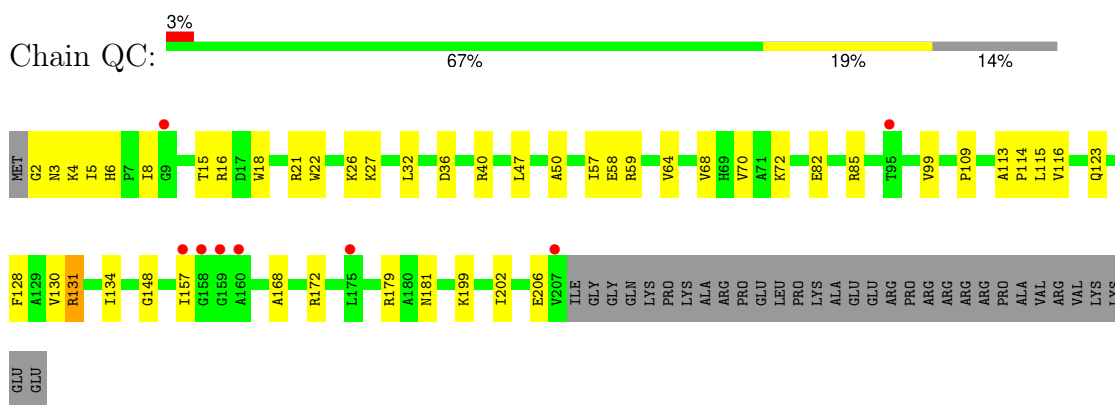
• Molecule 33: 30S ribosomal protein S2



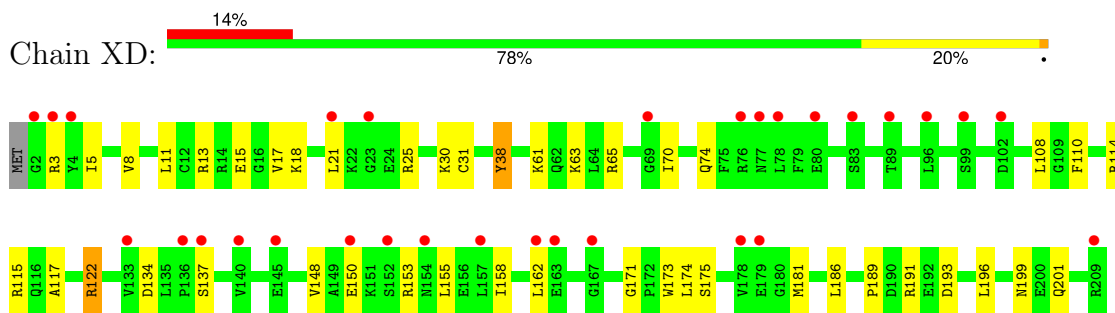
• Molecule 34: 30S ribosomal protein S3



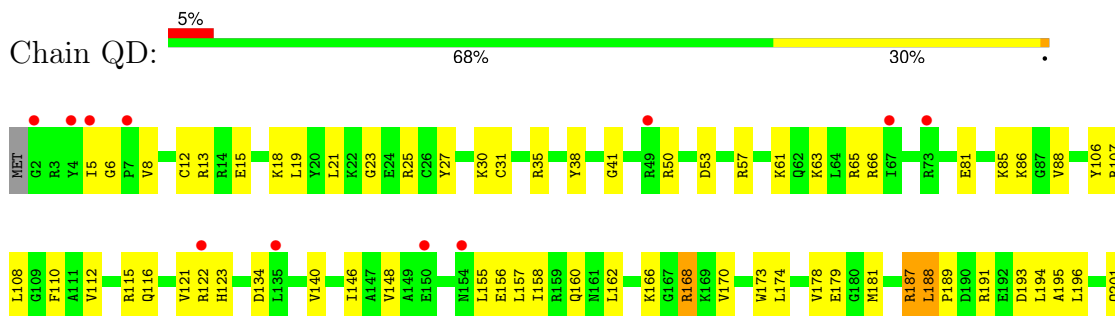
- Molecule 34: 30S ribosomal protein S3



- Molecule 35: 30S ribosomal protein S4



- Molecule 35: 30S ribosomal protein S4

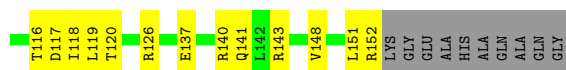




- Molecule 36: 30S ribosomal protein S5



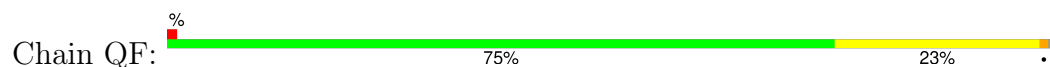
- Molecule 36: 30S ribosomal protein S5



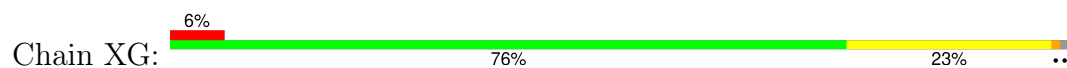
- Molecule 37: 30S ribosomal protein S6



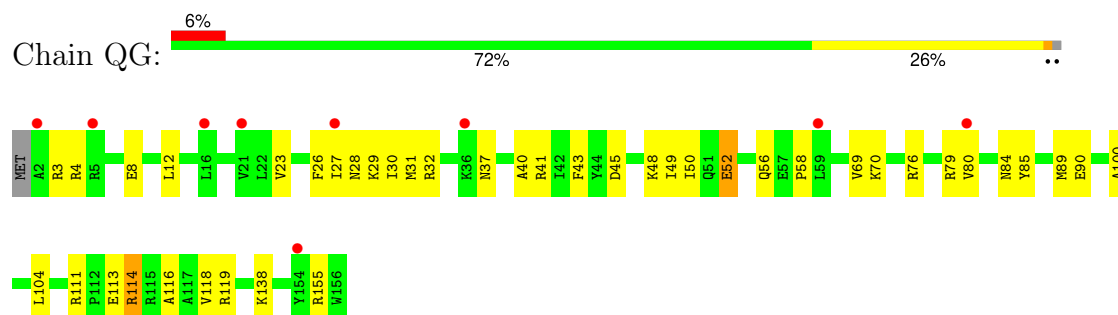
- Molecule 37: 30S ribosomal protein S6



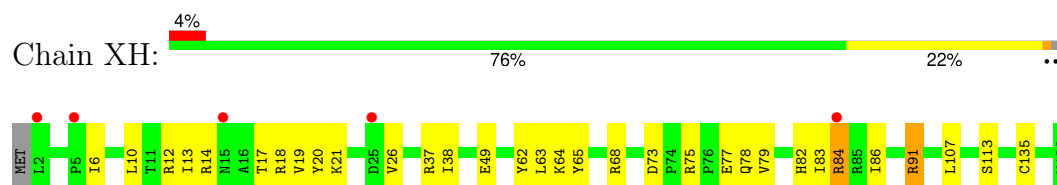
- Molecule 38: 30S ribosomal protein S7



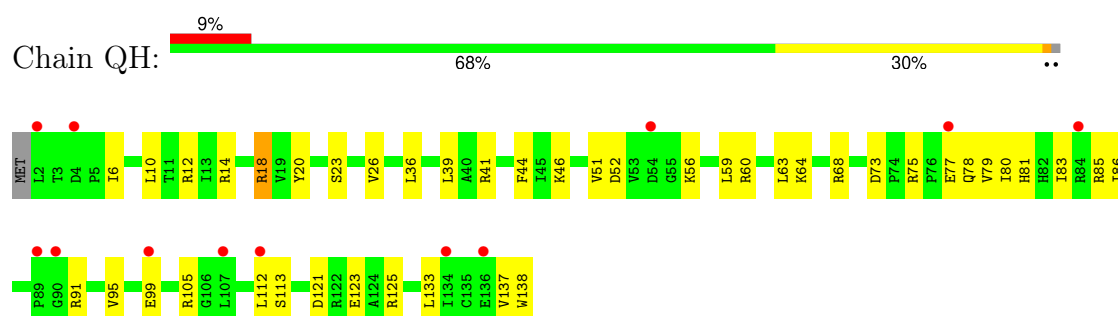
- Molecule 38: 30S ribosomal protein S7



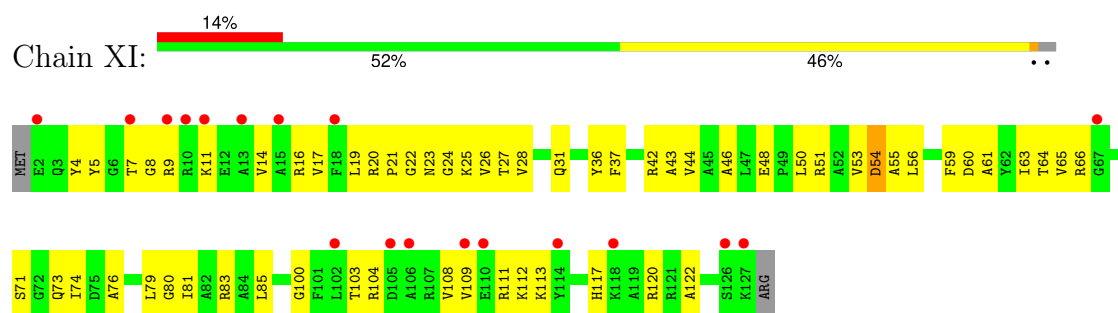
- Molecule 39: 30S ribosomal protein S8



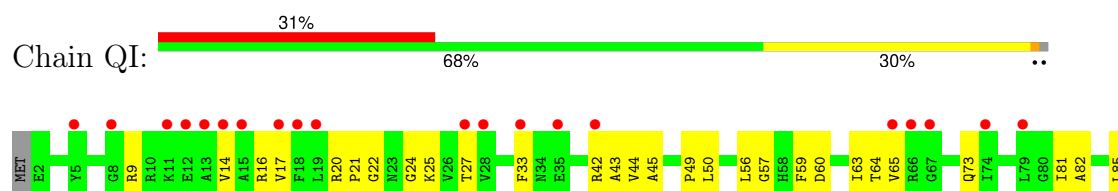
- Molecule 39: 30S ribosomal protein S8



- Molecule 40: 30S ribosomal protein S9

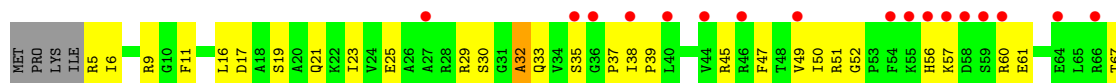


- Molecule 40: 30S ribosomal protein S9

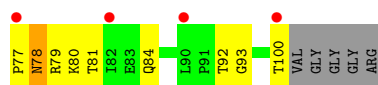
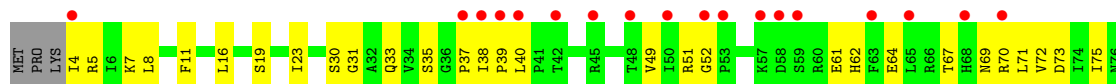




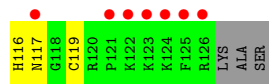
- Molecule 41: 30S ribosomal protein S10



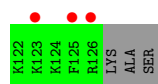
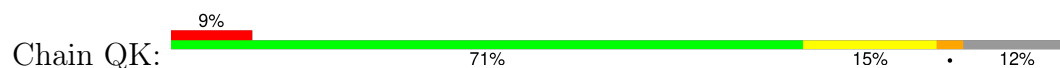
- Molecule 41: 30S ribosomal protein S10



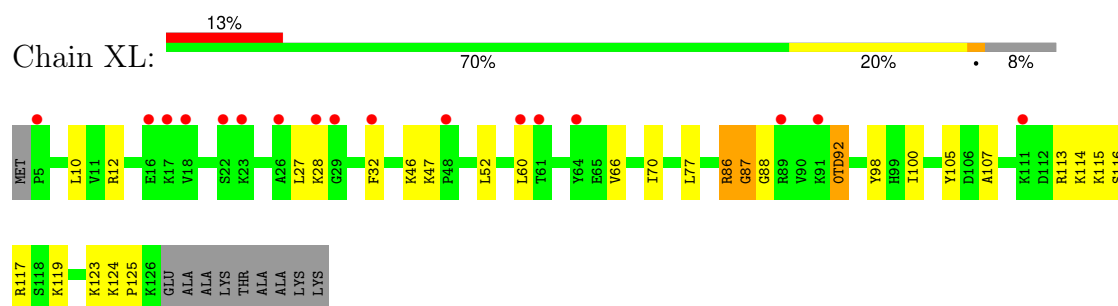
- Molecule 42: 30S ribosomal protein S11



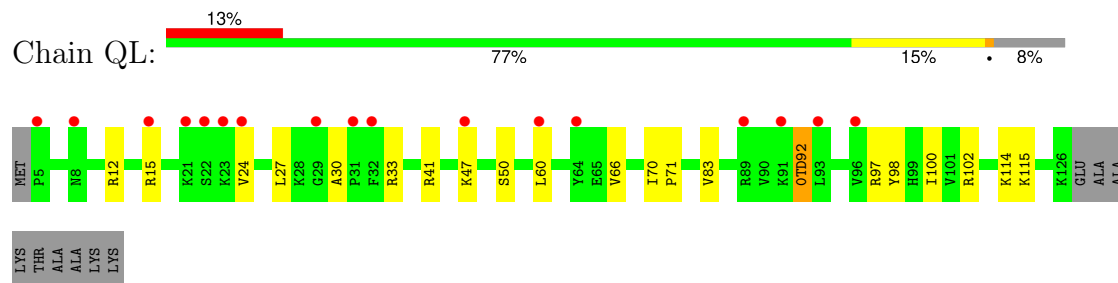
- Molecule 42: 30S ribosomal protein S11



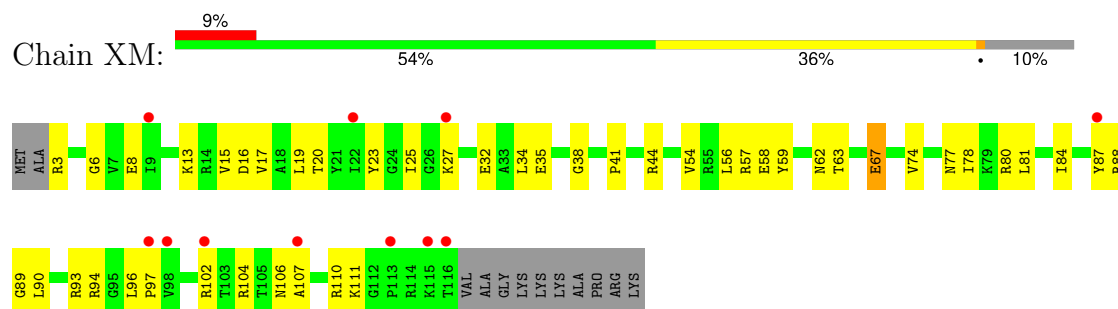
- Molecule 43: 30S ribosomal protein S12



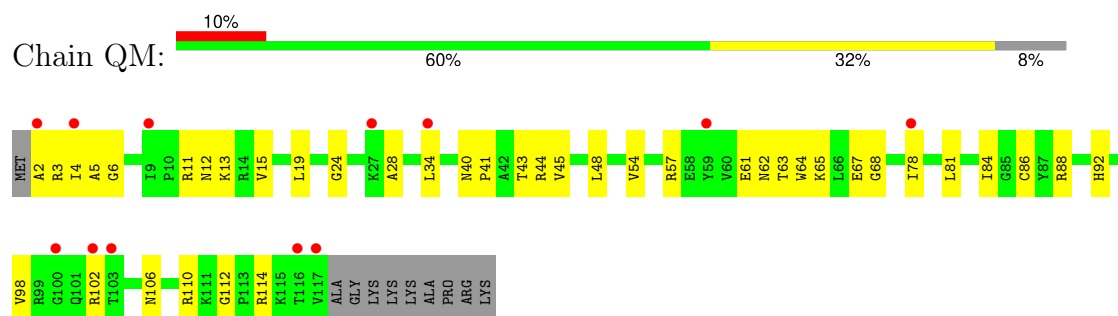
- Molecule 43: 30S ribosomal protein S12



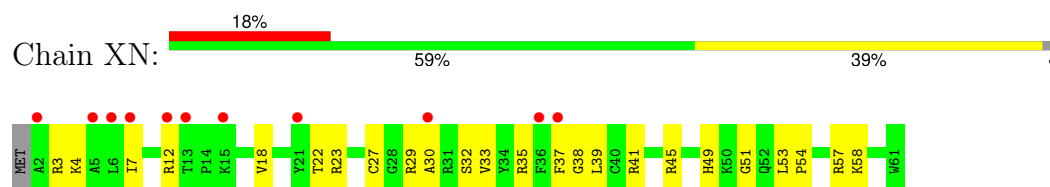
- Molecule 44: 30S ribosomal protein S13



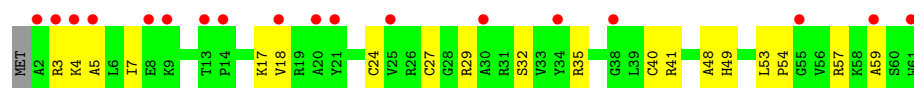
- Molecule 44: 30S ribosomal protein S13



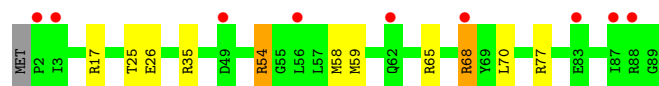
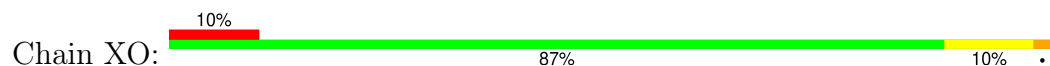
- Molecule 45: 30S ribosomal protein S14 type Z



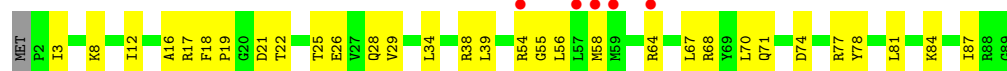
- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 46: 30S ribosomal protein S15



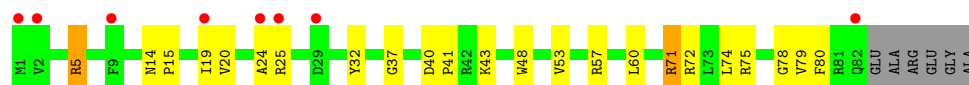
- Molecule 46: 30S ribosomal protein S15



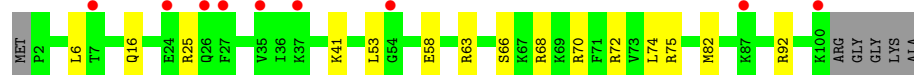
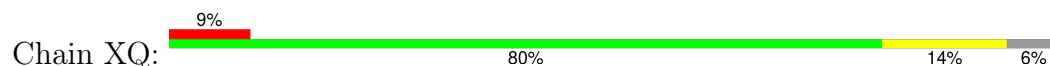
- Molecule 47: 30S ribosomal protein S16



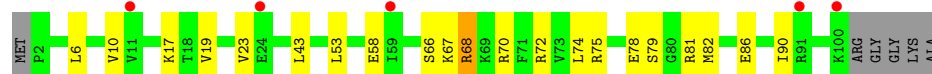
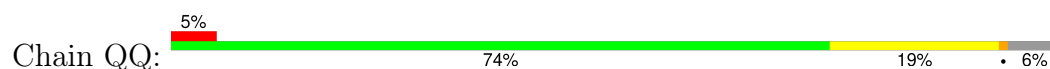
- Molecule 47: 30S ribosomal protein S16



- Molecule 48: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S17



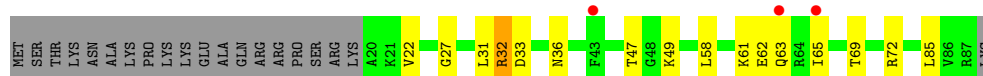
- Molecule 49: 30S ribosomal protein S18

Chain XR: 



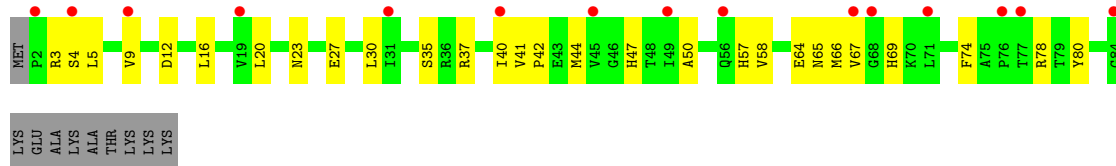
- Molecule 49: 30S ribosomal protein S18

Chain QR: 



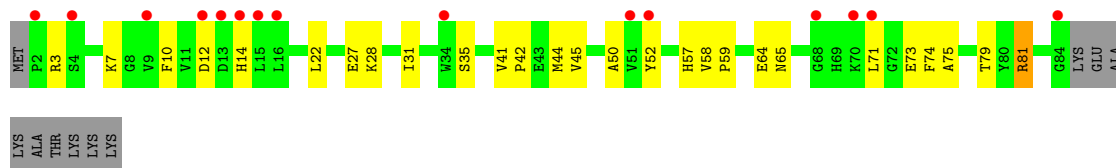
- Molecule 50: 30S ribosomal protein S19

Chain XS: 



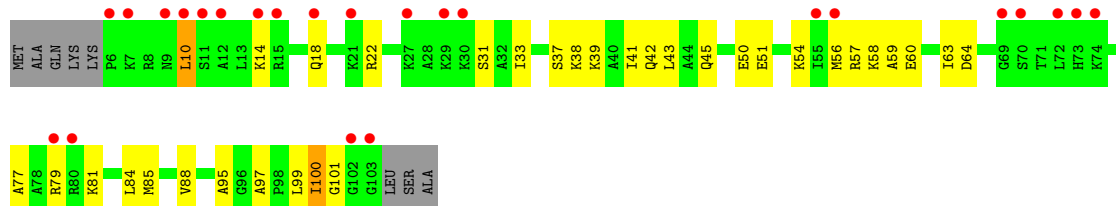
- Molecule 50: 30S ribosomal protein S19

Chain QS: 



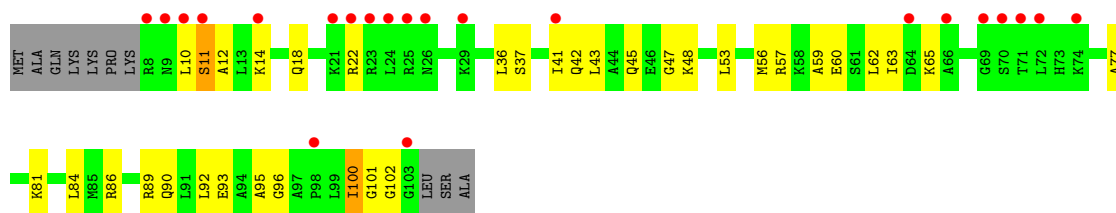
- Molecule 51: 30S ribosomal protein S20

Chain XT: 



- Molecule 51: 30S ribosomal protein S20

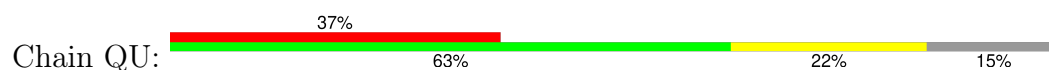
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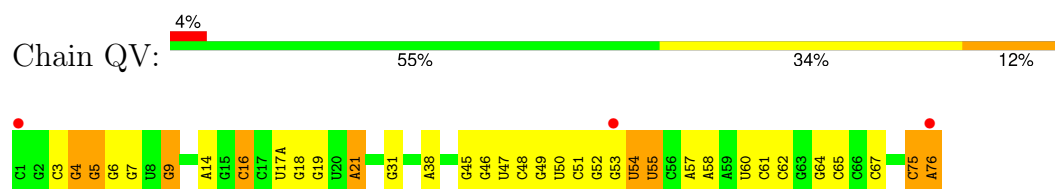
- Molecule 52: 30S ribosomal protein Thx



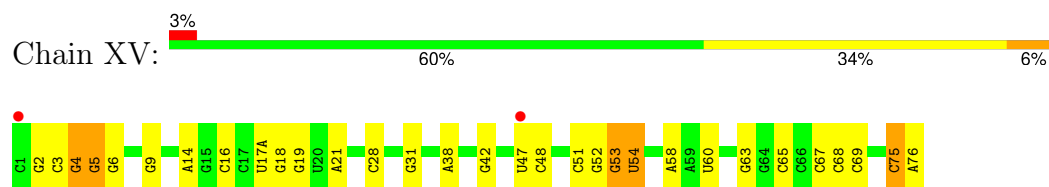
- Molecule 52: 30S ribosomal protein Thx



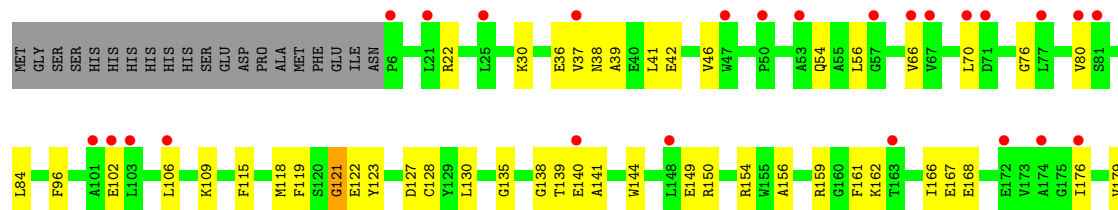
- Molecule 53: P-site tRNA fMet

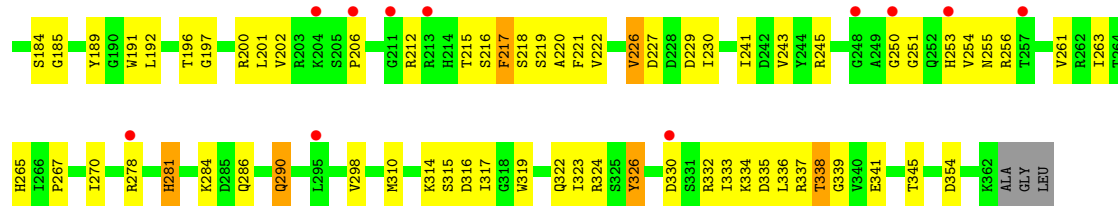


- Molecule 53: P-site tRNA fMet

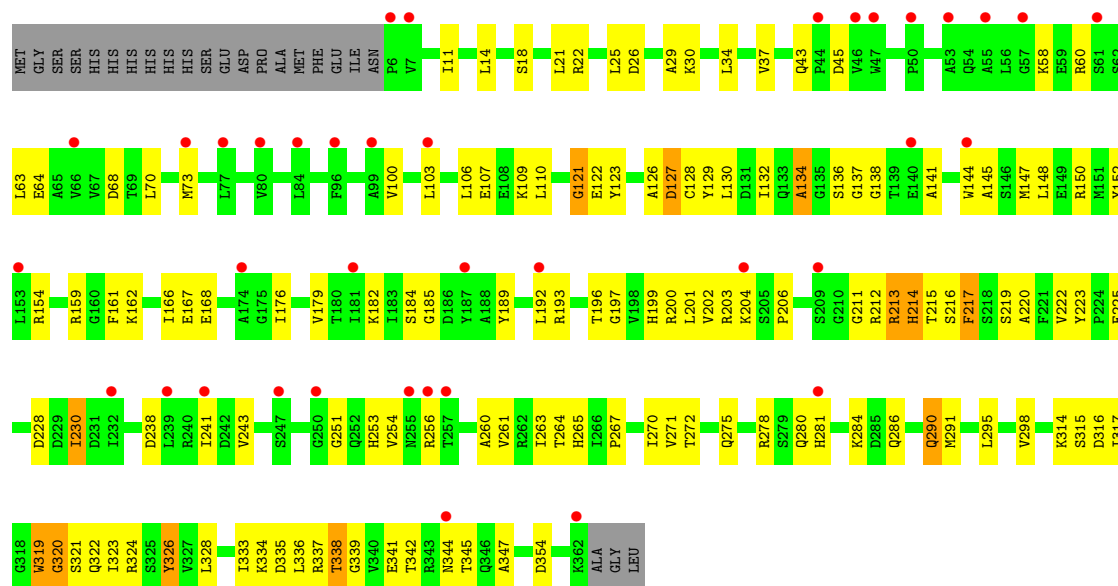


- Molecule 54: Peptide chain release factor 2

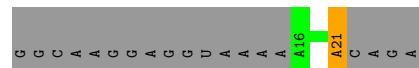




• Molecule 54: Peptide chain release factor 2



• Molecule 55: mRNA



• Molecule 55: mRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.89Å 450.12Å 620.82Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.92 – 3.30 49.92 – 3.30	Depositor EDS
% Data completeness (in resolution range)	98.9 (49.92-3.30) 98.9 (49.92-3.30)	Depositor EDS
R_{merge}	0.27	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.23 (at 3.33Å)	Xtriage
Refinement program	PHENIX 1.10.1_2155	Depositor
R, R_{free}	0.267 , 0.286 0.264 , 0.284	Depositor DCC
R_{free} test set	40129 reflections (4.58%)	wwPDB-VP
Wilson B-factor (Å ²)	99.5	Xtriage
Anisotropy	0.175	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.28 , 25.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.42$, $\langle L^2 \rangle = 0.24$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	296497	wwPDB-VP
Average B, all atoms (Å ²)	87.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.60% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: MEQ, 0TD, MA6, SF4, M2G, 4OC, 7MG, 2MG, PSU, OMG, MG, 5MC, 2MA, UR3, ZN, 5MU, 2MU

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	RA	0.13	0/68901	0.29	0/107544
1	YA	0.14	0/68901	0.30	0/107544
2	RB	0.12	0/2876	0.26	0/4486
2	YB	0.12	0/2878	0.26	0/4490
3	RD	0.83	10/2181 (0.5%)	0.92	5/2940 (0.2%)
3	YD	0.81	13/2186 (0.6%)	0.90	4/2944 (0.1%)
4	RE	1.16	16/1592 (1.0%)	0.96	2/2149 (0.1%)
4	YE	1.46	15/1592 (0.9%)	1.02	10/2149 (0.5%)
5	RF	0.73	4/1619 (0.2%)	0.87	1/2193 (0.0%)
5	YF	0.60	2/1615 (0.1%)	0.93	2/2188 (0.1%)
6	RG	0.76	7/1451 (0.5%)	0.95	7/1961 (0.4%)
6	YG	0.77	8/1449 (0.6%)	0.94	2/1957 (0.1%)
7	RH	0.86	8/1356 (0.6%)	0.88	1/1834 (0.1%)
7	YH	0.68	5/1350 (0.4%)	0.98	5/1826 (0.3%)
8	RI	0.90	7/1109 (0.6%)	0.95	3/1512 (0.2%)
8	YI	0.67	4/1091 (0.4%)	0.90	1/1490 (0.1%)
9	RN	0.86	5/1148 (0.4%)	0.90	0/1547
9	YN	0.77	5/1144 (0.4%)	0.88	2/1543 (0.1%)
10	RO	0.74	4/943 (0.4%)	0.93	2/1269 (0.2%)
10	YO	0.69	4/943 (0.4%)	0.84	0/1269
11	RP	0.91	4/1152 (0.3%)	0.93	0/1533
11	YP	0.66	3/1152 (0.3%)	0.86	3/1533 (0.2%)
12	RQ	1.03	13/1143 (1.1%)	0.87	0/1527
12	YQ	0.89	7/1143 (0.6%)	0.88	0/1527
13	RR	1.11	8/982 (0.8%)	0.92	0/1312
13	YR	0.92	8/982 (0.8%)	0.88	0/1312
14	RS	0.79	4/887 (0.5%)	0.88	0/1180
14	YS	0.95	9/880 (1.0%)	0.91	0/1172
15	RT	0.97	12/1105 (1.1%)	0.88	0/1477
15	YT	0.92	11/1097 (1.0%)	0.87	2/1468 (0.1%)
16	RU	0.99	8/977 (0.8%)	0.85	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	YU	1.05	10/977 (1.0%)	0.90	1/1301 (0.1%)
17	RV	0.70	2/786 (0.3%)	0.88	0/1053
17	YV	0.70	0/782	0.88	0/1049
18	RW	0.96	7/897 (0.8%)	0.84	0/1205
18	YW	0.76	3/897 (0.3%)	0.82	0/1205
19	RX	0.87	5/764 (0.7%)	0.91	0/1025
19	YX	0.77	4/764 (0.5%)	0.87	0/1025
20	RY	0.86	4/823 (0.5%)	0.99	2/1099 (0.2%)
20	YY	0.52	0/823	0.86	0/1100
21	RZ	0.77	8/1620 (0.5%)	0.88	0/2200
21	YZ	1.61	9/1590 (0.6%)	0.94	1/2162 (0.0%)
22	R0	0.79	2/616 (0.3%)	0.89	0/821
22	Y0	0.61	2/616 (0.3%)	0.87	2/821 (0.2%)
23	R1	0.74	0/761	0.83	0/1013
23	Y1	0.82	6/766 (0.8%)	0.84	0/1018
24	R2	0.54	0/590	0.79	0/781
24	Y2	0.45	0/594	0.78	0/785
25	R3	0.61	0/474	0.92	0/635
25	Y3	0.77	3/469 (0.6%)	0.88	0/630
26	R4	0.79	3/559 (0.5%)	1.17	7/754 (0.9%)
26	Y4	1.33	8/549 (1.5%)	1.13	5/741 (0.7%)
27	R5	0.70	0/473	0.90	0/639
27	Y5	0.67	0/469	0.80	0/635
28	R6	0.79	1/460 (0.2%)	0.83	2/613 (0.3%)
28	Y6	0.59	0/456	0.80	0/608
29	R7	0.85	2/426 (0.5%)	0.85	1/561 (0.2%)
29	Y7	0.80	2/426 (0.5%)	0.84	0/561
30	R8	0.97	4/525 (0.8%)	0.81	0/691
30	Y8	0.87	4/525 (0.8%)	0.86	0/691
31	R9	0.60	0/310	0.88	0/407
31	Y9	0.44	0/310	0.86	0/407
32	QA	0.13	1/35795 (0.0%)	0.28	1/55864 (0.0%)
32	XA	0.13	0/35890	0.29	4/56012 (0.0%)
33	QB	0.81	13/1876 (0.7%)	0.99	5/2533 (0.2%)
33	XB	1.04	23/1860 (1.2%)	0.98	5/2518 (0.2%)
34	QC	0.60	4/1582 (0.3%)	0.87	2/2137 (0.1%)
34	XC	0.67	3/1566 (0.2%)	0.94	4/2119 (0.2%)
35	QD	0.71	9/1695 (0.5%)	0.93	3/2274 (0.1%)
35	XD	0.63	6/1698 (0.4%)	0.91	4/2277 (0.2%)
36	QE	0.59	0/1149	0.89	0/1548
36	XE	0.75	5/1149 (0.4%)	0.92	6/1548 (0.4%)
37	QF	0.74	6/827 (0.7%)	0.87	0/1120
37	XF	0.98	10/829 (1.2%)	0.85	2/1123 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	QG	0.76	8/1254 (0.6%)	0.81	0/1683
38	XG	1.10	16/1248 (1.3%)	0.85	0/1676
39	QH	0.78	7/1118 (0.6%)	0.82	0/1506
39	XH	0.68	5/1108 (0.5%)	0.86	0/1494
40	QI	0.87	7/1005 (0.7%)	0.91	0/1351
40	XI	0.52	0/985	0.90	1/1329 (0.1%)
41	QJ	0.64	2/732 (0.3%)	0.97	1/993 (0.1%)
41	XJ	0.48	0/723	0.94	1/984 (0.1%)
42	QK	0.88	6/849 (0.7%)	0.95	5/1150 (0.4%)
42	XK	0.75	4/848 (0.5%)	0.91	2/1149 (0.2%)
43	QL	0.70	5/937 (0.5%)	0.84	0/1260
43	XL	0.52	0/937	0.95	5/1260 (0.4%)
44	QM	0.70	4/924 (0.4%)	0.93	5/1242 (0.4%)
44	XM	0.65	3/905 (0.3%)	0.96	1/1217 (0.1%)
45	QN	0.85	4/501 (0.8%)	0.74	0/664
45	XN	1.12	8/501 (1.6%)	0.88	0/664
46	QO	0.81	4/739 (0.5%)	0.88	1/985 (0.1%)
46	XO	0.76	5/739 (0.7%)	0.85	0/985
47	QP	0.65	2/697 (0.3%)	0.91	1/939 (0.1%)
47	XP	1.05	11/693 (1.6%)	0.83	0/935
48	QQ	0.67	4/836 (0.5%)	0.82	0/1117
48	XQ	0.84	7/836 (0.8%)	0.81	0/1117
49	QR	0.77	3/560 (0.5%)	0.92	1/746 (0.1%)
49	XR	0.63	2/560 (0.4%)	0.82	0/746
50	QS	0.74	4/663 (0.6%)	1.00	2/895 (0.2%)
50	XS	0.55	0/660	0.90	1/893 (0.1%)
51	QT	0.60	0/734	0.92	1/969 (0.1%)
51	XT	0.52	0/736	0.83	1/976 (0.1%)
52	QU	1.34	7/203 (3.4%)	0.73	0/266
52	XU	1.55	7/203 (3.4%)	0.80	0/266
53	QV	0.16	0/1836	0.37	0/2859
53	XV	0.15	0/1836	0.32	0/2859
54	QY	0.41	2/2862 (0.1%)	0.63	2/3854 (0.1%)
54	XY	0.40	3/2862 (0.1%)	0.58	1/3854 (0.0%)
55	QX	0.14	0/144	0.37	0/222
55	XX	0.11	0/144	0.29	0/222
All	All	0.47	513/317956 (0.2%)	0.53	141/474813 (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
14	RS	0	1
19	RX	0	1
19	YX	0	1
33	QB	0	1
43	XL	0	1
54	XY	0	1
All	All	0	6

The worst 5 of 513 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	YZ	72	ARG	NE-CZ	-35.50	0.94	1.33
21	YZ	72	ARG	CD-NE	-27.50	1.07	1.46
21	YZ	72	ARG	CZ-NH2	-26.95	0.98	1.33
4	YE	144	ARG	NE-CZ	-26.37	1.04	1.33
21	YZ	72	ARG	CZ-NH1	-24.59	0.98	1.32

The worst 5 of 141 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
35	QD	188	LEU	CA-C-N	10.70	131.38	119.83
35	QD	188	LEU	C-N-CA	10.70	131.38	119.83
43	XL	88	GLY	N-CA-C	8.51	123.66	112.25
33	QB	128	GLU	N-CA-C	-8.11	102.95	113.17
4	YE	190	GLY	CA-C-N	7.82	127.97	120.31

There are no chirality outliers.

5 of 6 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	QB	231	GLU	Peptide
14	RS	58	LEU	Peptide
19	RX	93	GLU	Peptide
43	XL	86	ARG	Peptide
19	YX	93	GLU	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	RA	61758	0	31146	677	0
1	YA	61758	0	31149	665	1
2	RB	2572	0	1305	12	0
2	YB	2573	0	1306	23	0
3	RD	2131	0	2207	48	0
3	YD	2136	0	2218	51	0
4	RE	1559	0	1618	38	0
4	YE	1559	0	1618	59	0
5	RF	1584	0	1625	46	0
5	YF	1580	0	1619	69	0
6	RG	1426	0	1445	65	0
6	YG	1424	0	1441	101	0
7	RH	1330	0	1407	27	0
7	YH	1324	0	1402	56	7
8	RI	1094	0	1127	35	0
8	YI	1076	0	1094	49	0
9	RN	1121	0	1195	28	0
9	YN	1117	0	1184	27	0
10	RO	933	0	996	27	0
10	YO	933	0	996	18	0
11	RP	1135	0	1212	40	0
11	YP	1135	0	1212	43	0
12	RQ	1122	0	1179	26	0
12	YQ	1122	0	1179	28	0
13	RR	968	0	1033	15	0
13	YR	968	0	1033	34	0
14	RS	877	0	938	15	0
14	YS	870	0	923	22	0
15	RT	1091	0	1151	40	0
15	YT	1083	0	1136	33	0
16	RU	959	0	1019	16	0
16	YU	959	0	1019	11	0
17	RV	775	0	841	22	0
17	YV	771	0	830	19	8
18	RW	886	0	940	18	1
18	YW	886	0	940	23	0
19	RX	750	0	814	27	0
19	YX	750	0	814	16	0
20	RY	810	0	892	18	0
20	YY	810	0	887	21	8
21	RZ	1587	0	1598	45	0
21	YZ	1557	0	1564	52	0
22	R0	608	0	622	8	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
22	Y0	608	0	622	16	0
23	R1	754	0	823	12	0
23	Y1	759	0	837	24	0
24	R2	588	0	643	17	1
24	Y2	592	0	654	8	0
25	R3	469	0	518	9	0
25	Y3	464	0	514	16	0
26	R4	546	0	522	58	0
26	Y4	536	0	514	64	0
27	R5	459	0	476	18	0
27	Y5	455	0	465	11	8
28	R6	453	0	473	9	0
28	Y6	449	0	469	6	0
29	R7	418	0	467	13	0
29	Y7	418	0	467	5	0
30	R8	517	0	582	27	0
30	Y8	517	0	582	21	0
31	R9	307	0	335	6	0
31	Y9	307	0	335	6	0
32	QA	32246	0	16293	407	0
32	XA	32331	0	16339	423	0
33	QB	1842	0	1862	87	0
33	XB	1825	0	1828	92	0
34	QC	1558	0	1557	44	0
34	XC	1542	0	1517	56	0
35	QD	1665	0	1687	72	0
35	XD	1668	0	1703	38	0
36	QE	1133	0	1191	49	0
36	XE	1133	0	1191	31	0
37	QF	814	0	808	20	0
37	XF	816	0	808	24	0
38	QG	1235	0	1249	38	0
38	XG	1229	0	1238	27	0
39	QH	1098	0	1143	42	0
39	XH	1088	0	1126	22	0
40	QI	986	0	990	44	0
40	XI	966	0	953	49	0
41	QJ	719	0	672	34	0
41	XJ	710	0	661	42	0
42	QK	834	0	838	16	0
42	XK	833	0	836	24	0
43	QL	932	0	981	18	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
43	XL	932	0	981	22	0
44	QM	914	0	954	53	0
44	XM	895	0	920	50	0
45	QN	492	0	529	20	0
45	XN	492	0	529	22	0
46	QO	728	0	760	28	0
46	XO	728	0	760	7	0
47	QP	681	0	697	20	0
47	XP	677	0	686	27	0
48	QQ	823	0	891	16	0
48	XQ	823	0	891	11	0
49	QR	555	0	618	17	0
49	XR	555	0	618	26	0
50	QS	648	0	658	29	0
50	XS	645	0	635	42	0
51	QT	732	0	809	34	0
51	XT	733	0	795	34	0
52	QU	199	0	208	3	0
52	XU	199	0	208	6	0
53	QV	1644	0	836	29	0
53	XV	1644	0	836	22	0
54	QY	2833	0	2729	98	0
54	XY	2833	0	2728	125	0
55	QX	129	0	64	1	0
55	XX	129	0	65	1	0
56	QA	280	0	0	0	0
56	QB	1	0	0	0	0
56	QD	4	0	0	0	0
56	QE	2	0	0	0	0
56	QF	1	0	0	0	0
56	QG	3	0	0	0	0
56	QH	2	0	0	0	0
56	QI	1	0	0	0	0
56	QL	2	0	0	0	0
56	QM	1	0	0	0	0
56	QN	2	0	0	0	0
56	QO	1	0	0	0	0
56	QQ	2	0	0	0	0
56	QR	1	0	0	0	0
56	QT	1	0	0	0	0
56	QV	4	0	0	0	0
56	QY	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	R0	4	0	0	0	0
56	R1	4	0	0	0	0
56	R3	2	0	0	0	0
56	R4	1	0	0	0	0
56	R5	4	0	0	0	0
56	R7	2	0	0	0	0
56	R8	1	0	0	0	0
56	R9	2	0	0	0	0
56	RA	1069	0	0	0	0
56	RB	28	0	0	0	0
56	RD	14	0	0	0	0
56	RE	7	0	0	0	0
56	RF	11	0	0	0	0
56	RG	4	0	0	0	0
56	RH	2	0	0	0	0
56	RN	3	0	0	0	0
56	RO	1	0	0	0	0
56	RP	2	0	0	0	0
56	RQ	4	0	0	0	0
56	RR	4	0	0	0	0
56	RT	3	0	0	0	0
56	RU	3	0	0	0	0
56	RV	4	0	0	0	0
56	RW	2	0	0	0	0
56	RX	1	0	0	0	0
56	RZ	1	0	0	0	0
56	XA	193	0	0	0	0
56	XE	2	0	0	0	0
56	XF	3	0	0	0	0
56	XH	1	0	0	0	0
56	XJ	1	0	0	0	0
56	XK	1	0	0	0	0
56	XL	1	0	0	0	0
56	XT	1	0	0	0	0
56	XV	3	0	0	0	0
56	XY	1	0	0	0	0
56	Y0	1	0	0	0	0
56	Y1	2	0	0	0	0
56	Y5	1	0	0	0	0
56	Y6	1	0	0	0	0
56	Y7	1	0	0	0	0
56	Y8	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	YA	756	0	0	0	0
56	YB	19	0	0	0	0
56	YD	9	0	0	0	0
56	YE	7	0	0	0	0
56	YF	3	0	0	0	0
56	YG	3	0	0	0	0
56	YI	1	0	0	0	0
56	YN	1	0	0	0	0
56	YO	2	0	0	0	0
56	YP	1	0	0	0	0
56	YQ	2	0	0	0	0
56	YR	1	0	0	0	0
56	YT	3	0	0	0	0
56	YV	1	0	0	0	0
56	YW	2	0	0	0	0
56	YX	1	0	0	0	0
57	QN	1	0	0	0	0
57	R4	1	0	0	0	0
57	R5	1	0	0	0	0
57	R6	1	0	0	0	0
57	R9	1	0	0	0	0
57	RY	1	0	0	0	0
57	XN	1	0	0	0	0
57	Y4	1	0	0	0	0
57	Y5	1	0	0	0	0
57	Y6	1	0	0	0	0
57	Y9	1	0	0	0	0
57	YY	1	0	0	0	0
58	QD	8	0	0	0	0
58	XD	8	0	0	0	0
All	All	296497	0	200048	4760	17

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

The worst 5 of 4760 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)
33:XB:114:ARG:NH1	33:XB:118:LEU:HG	1.41	1.36
42:QK:48:ILE:HD12	42:QK:63:LEU:CB	1.60	1.29
7:YH:7:LEU:O	7:YH:69:ARG:NH1	1.63	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
42:QK:48:ILE:CD1	42:QK:63:LEU:HB2	1.66	1.25
26:Y4:59:PHE:CE1	50:XS:64:GLU:HB2	1.73	1.23

The worst 5 of 17 symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:YH:46:GLU:OE1	20:YY:22:GLY:C[4_445]	0.78	1.42
7:YH:46:GLU:OE1	20:YY:22:GLY:O[4_445]	1.12	1.08
17:YV:53:GLU:OE2	27:Y5:59:GLU:CB[4_445]	1.14	1.06
17:YV:53:GLU:OE1	27:Y5:59:GLU:CG[4_445]	1.40	0.80
7:YH:46:GLU:CD	20:YY:22:GLY:O[4_445]	1.50	0.70

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	RD	273/276 (99%)	262 (96%)	11 (4%)	0	100	100
3	YD	273/276 (99%)	260 (95%)	13 (5%)	0	100	100
4	RE	202/206 (98%)	195 (96%)	6 (3%)	1 (0%)	24	55
4	YE	202/206 (98%)	196 (97%)	6 (3%)	0	100	100
5	RF	201/210 (96%)	197 (98%)	4 (2%)	0	100	100
5	YF	201/210 (96%)	196 (98%)	3 (2%)	2 (1%)	12	40
6	RG	179/182 (98%)	167 (93%)	11 (6%)	1 (1%)	21	52
6	YG	179/182 (98%)	170 (95%)	8 (4%)	1 (1%)	21	52
7	RH	172/180 (96%)	167 (97%)	5 (3%)	0	100	100
7	YH	171/180 (95%)	165 (96%)	6 (4%)	0	100	100
8	RI	145/148 (98%)	133 (92%)	11 (8%)	1 (1%)	18	49

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
8	YI	144/148 (97%)	135 (94%)	9 (6%)	0	100	100
9	RN	138/140 (99%)	136 (99%)	2 (1%)	0	100	100
9	YN	138/140 (99%)	136 (99%)	2 (1%)	0	100	100
10	RO	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
10	YO	120/122 (98%)	115 (96%)	5 (4%)	0	100	100
11	RP	147/150 (98%)	141 (96%)	6 (4%)	0	100	100
11	YP	147/150 (98%)	141 (96%)	5 (3%)	1 (1%)	18	49
12	RQ	139/141 (99%)	134 (96%)	5 (4%)	0	100	100
12	YQ	139/141 (99%)	134 (96%)	5 (4%)	0	100	100
13	RR	116/118 (98%)	113 (97%)	3 (3%)	0	100	100
13	YR	116/118 (98%)	113 (97%)	3 (3%)	0	100	100
14	RS	108/112 (96%)	104 (96%)	3 (3%)	1 (1%)	14	43
14	YS	108/112 (96%)	105 (97%)	3 (3%)	0	100	100
15	RT	129/146 (88%)	124 (96%)	5 (4%)	0	100	100
15	YT	129/146 (88%)	125 (97%)	4 (3%)	0	100	100
16	RU	114/118 (97%)	114 (100%)	0	0	100	100
16	YU	114/118 (97%)	114 (100%)	0	0	100	100
17	RV	99/101 (98%)	97 (98%)	2 (2%)	0	100	100
17	YV	99/101 (98%)	96 (97%)	3 (3%)	0	100	100
18	RW	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
18	YW	110/113 (97%)	110 (100%)	0	0	100	100
19	RX	93/96 (97%)	92 (99%)	1 (1%)	0	100	100
19	YX	93/96 (97%)	91 (98%)	2 (2%)	0	100	100
20	RY	105/110 (96%)	99 (94%)	6 (6%)	0	100	100
20	YY	105/110 (96%)	101 (96%)	4 (4%)	0	100	100
21	RZ	201/206 (98%)	196 (98%)	5 (2%)	0	100	100
21	YZ	199/206 (97%)	194 (98%)	5 (2%)	0	100	100
22	R0	75/85 (88%)	73 (97%)	2 (3%)	0	100	100
22	Y0	75/85 (88%)	73 (97%)	2 (3%)	0	100	100
23	R1	95/98 (97%)	94 (99%)	0	1 (1%)	11	39
23	Y1	95/98 (97%)	93 (98%)	1 (1%)	1 (1%)	11	39

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
24	R2	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	Y2	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
25	R3	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
25	Y3	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
26	R4	67/71 (94%)	55 (82%)	6 (9%)	6 (9%)	0	4
26	Y4	67/71 (94%)	53 (79%)	11 (16%)	3 (4%)	2	13
27	R5	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
27	Y5	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
28	R6	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
28	Y6	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
29	R7	46/49 (94%)	46 (100%)	0	0	100	100
29	Y7	46/49 (94%)	46 (100%)	0	0	100	100
30	R8	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
30	Y8	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
31	R9	35/37 (95%)	35 (100%)	0	0	100	100
31	Y9	35/37 (95%)	35 (100%)	0	0	100	100
33	QB	229/256 (90%)	202 (88%)	20 (9%)	7 (3%)	3	20
33	XB	229/256 (90%)	205 (90%)	19 (8%)	5 (2%)	5	26
34	QC	204/239 (85%)	190 (93%)	14 (7%)	0	100	100
34	XC	204/239 (85%)	187 (92%)	17 (8%)	0	100	100
35	QD	206/209 (99%)	197 (96%)	9 (4%)	0	100	100
35	XD	206/209 (99%)	199 (97%)	7 (3%)	0	100	100
36	QE	146/162 (90%)	144 (99%)	2 (1%)	0	100	100
36	XE	146/162 (90%)	145 (99%)	1 (1%)	0	100	100
37	QF	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
37	XF	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
38	QG	153/156 (98%)	148 (97%)	5 (3%)	0	100	100
38	XG	153/156 (98%)	148 (97%)	4 (3%)	1 (1%)	18	49
39	QH	135/138 (98%)	133 (98%)	2 (2%)	0	100	100
39	XH	135/138 (98%)	131 (97%)	4 (3%)	0	100	100
40	QI	125/128 (98%)	115 (92%)	9 (7%)	1 (1%)	16	45

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
40	XI	124/128 (97%)	113 (91%)	8 (6%)	3 (2%)	4	24
41	QJ	95/105 (90%)	83 (87%)	8 (8%)	4 (4%)	2	14
41	XJ	94/105 (90%)	85 (90%)	7 (7%)	2 (2%)	5	26
42	QK	112/129 (87%)	103 (92%)	7 (6%)	2 (2%)	6	29
42	XK	112/129 (87%)	106 (95%)	5 (4%)	1 (1%)	14	43
43	QL	119/132 (90%)	117 (98%)	2 (2%)	0	100	100
43	XL	119/132 (90%)	116 (98%)	3 (2%)	0	100	100
44	QM	114/126 (90%)	105 (92%)	7 (6%)	2 (2%)	6	29
44	XM	112/126 (89%)	105 (94%)	6 (5%)	1 (1%)	14	43
45	QN	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
45	XN	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
46	QO	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
46	XO	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
47	QP	80/88 (91%)	77 (96%)	3 (4%)	0	100	100
47	XP	80/88 (91%)	76 (95%)	4 (5%)	0	100	100
48	QQ	97/105 (92%)	94 (97%)	2 (2%)	1 (1%)	12	40
48	XQ	97/105 (92%)	95 (98%)	2 (2%)	0	100	100
49	QR	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
49	XR	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
50	QS	81/93 (87%)	78 (96%)	3 (4%)	0	100	100
50	XS	81/93 (87%)	79 (98%)	2 (2%)	0	100	100
51	QT	94/106 (89%)	86 (92%)	6 (6%)	2 (2%)	5	26
51	XT	96/106 (91%)	88 (92%)	6 (6%)	2 (2%)	5	26
52	QU	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	XU	21/27 (78%)	19 (90%)	1 (5%)	1 (5%)	2	12
54	QY	354/380 (93%)	309 (87%)	37 (10%)	8 (2%)	5	25
54	XY	354/380 (93%)	309 (87%)	36 (10%)	9 (2%)	4	23
All	All	12148/12888 (94%)	11573 (95%)	504 (4%)	71 (1%)	21	52

5 of 71 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
23	Y1	3	LYS

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Mol	Chain	Res	Type
33	XB	17	PHE
33	XB	20	GLU
33	XB	124	SER
40	XI	44	VAL

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	RD	214/218 (98%)	214 (100%)	0	100	100
3	YD	215/218 (99%)	215 (100%)	0	100	100
4	RE	164/166 (99%)	164 (100%)	0	100	100
4	YE	164/166 (99%)	163 (99%)	1 (1%)	78	81
5	RF	160/166 (96%)	159 (99%)	1 (1%)	78	81
5	YF	159/166 (96%)	159 (100%)	0	100	100
6	RG	144/156 (92%)	144 (100%)	0	100	100
6	YG	142/156 (91%)	142 (100%)	0	100	100
7	RH	144/148 (97%)	144 (100%)	0	100	100
7	YH	143/148 (97%)	143 (100%)	0	100	100
8	RI	111/124 (90%)	111 (100%)	0	100	100
8	YI	108/124 (87%)	108 (100%)	0	100	100
9	RN	119/119 (100%)	119 (100%)	0	100	100
9	YN	118/119 (99%)	117 (99%)	1 (1%)	73	79
10	RO	100/100 (100%)	100 (100%)	0	100	100
10	YO	100/100 (100%)	100 (100%)	0	100	100
11	RP	115/116 (99%)	115 (100%)	0	100	100
11	YP	115/116 (99%)	115 (100%)	0	100	100
12	RQ	111/111 (100%)	110 (99%)	1 (1%)	70	78
12	YQ	111/111 (100%)	110 (99%)	1 (1%)	70	78

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	RR	101/101 (100%)	101 (100%)	0	100	100
13	YR	101/101 (100%)	101 (100%)	0	100	100
14	RS	87/88 (99%)	87 (100%)	0	100	100
14	YS	85/88 (97%)	85 (100%)	0	100	100
15	RT	115/127 (91%)	115 (100%)	0	100	100
15	YT	113/127 (89%)	113 (100%)	0	100	100
16	RU	93/94 (99%)	93 (100%)	0	100	100
16	YU	93/94 (99%)	93 (100%)	0	100	100
17	RV	81/82 (99%)	81 (100%)	0	100	100
17	YV	80/82 (98%)	80 (100%)	0	100	100
18	RW	90/92 (98%)	90 (100%)	0	100	100
18	YW	90/92 (98%)	90 (100%)	0	100	100
19	RX	77/78 (99%)	77 (100%)	0	100	100
19	YX	77/78 (99%)	77 (100%)	0	100	100
20	RY	86/91 (94%)	86 (100%)	0	100	100
20	YY	86/91 (94%)	86 (100%)	0	100	100
21	RZ	169/179 (94%)	169 (100%)	0	100	100
21	YZ	165/179 (92%)	164 (99%)	1 (1%)	78	81
22	R0	61/67 (91%)	61 (100%)	0	100	100
22	Y0	61/67 (91%)	61 (100%)	0	100	100
23	R1	79/83 (95%)	79 (100%)	0	100	100
23	Y1	81/83 (98%)	81 (100%)	0	100	100
24	R2	65/67 (97%)	65 (100%)	0	100	100
24	Y2	66/67 (98%)	66 (100%)	0	100	100
25	R3	51/52 (98%)	51 (100%)	0	100	100
25	Y3	50/52 (96%)	50 (100%)	0	100	100
26	R4	58/63 (92%)	58 (100%)	0	100	100
26	Y4	54/63 (86%)	54 (100%)	0	100	100
27	R5	51/52 (98%)	51 (100%)	0	100	100
27	Y5	50/52 (96%)	50 (100%)	0	100	100
28	R6	51/52 (98%)	51 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
28	Y6	50/52 (96%)	50 (100%)	0	100	100
29	R7	41/42 (98%)	40 (98%)	1 (2%)	43	65
29	Y7	41/42 (98%)	40 (98%)	1 (2%)	43	65
30	R8	54/55 (98%)	54 (100%)	0	100	100
30	Y8	54/55 (98%)	54 (100%)	0	100	100
31	R9	34/34 (100%)	34 (100%)	0	100	100
31	Y9	34/34 (100%)	34 (100%)	0	100	100
33	QB	191/220 (87%)	191 (100%)	0	100	100
33	XB	187/220 (85%)	186 (100%)	1 (0%)	81	83
34	QC	144/188 (77%)	144 (100%)	0	100	100
34	XC	140/188 (74%)	140 (100%)	0	100	100
35	QD	171/181 (94%)	171 (100%)	0	100	100
35	XD	172/181 (95%)	172 (100%)	0	100	100
36	QE	114/123 (93%)	114 (100%)	0	100	100
36	XE	114/123 (93%)	114 (100%)	0	100	100
37	QF	85/90 (94%)	85 (100%)	0	100	100
37	XF	85/90 (94%)	85 (100%)	0	100	100
38	QG	120/127 (94%)	120 (100%)	0	100	100
38	XG	119/127 (94%)	119 (100%)	0	100	100
39	QH	116/119 (98%)	116 (100%)	0	100	100
39	XH	114/119 (96%)	114 (100%)	0	100	100
40	QI	91/99 (92%)	90 (99%)	1 (1%)	65	76
40	XI	88/99 (89%)	88 (100%)	0	100	100
41	QJ	68/92 (74%)	68 (100%)	0	100	100
41	XJ	68/92 (74%)	68 (100%)	0	100	100
42	QK	83/99 (84%)	83 (100%)	0	100	100
42	XK	83/99 (84%)	83 (100%)	0	100	100
43	QL	96/108 (89%)	96 (100%)	0	100	100
43	XL	96/108 (89%)	96 (100%)	0	100	100
44	QM	90/101 (89%)	90 (100%)	0	100	100
44	XM	87/101 (86%)	87 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
45	QN	49/50 (98%)	49 (100%)	0	100	100
45	XN	49/50 (98%)	49 (100%)	0	100	100
46	QO	78/80 (98%)	78 (100%)	0	100	100
46	XO	78/80 (98%)	78 (100%)	0	100	100
47	QP	69/74 (93%)	69 (100%)	0	100	100
47	XP	68/74 (92%)	68 (100%)	0	100	100
48	QQ	94/97 (97%)	94 (100%)	0	100	100
48	XQ	94/97 (97%)	94 (100%)	0	100	100
49	QR	59/77 (77%)	59 (100%)	0	100	100
49	XR	59/77 (77%)	59 (100%)	0	100	100
50	QS	68/80 (85%)	68 (100%)	0	100	100
50	XS	67/80 (84%)	67 (100%)	0	100	100
51	QT	71/82 (87%)	71 (100%)	0	100	100
51	XT	70/82 (85%)	70 (100%)	0	100	100
52	QU	18/22 (82%)	18 (100%)	0	100	100
52	XU	18/22 (82%)	18 (100%)	0	100	100
54	QY	303/323 (94%)	301 (99%)	2 (1%)	76	80
54	XY	303/323 (94%)	301 (99%)	2 (1%)	76	80
All	All	9969/10710 (93%)	9955 (100%)	14 (0%)	88	90

5 of 14 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
5	RF	53	THR
12	RQ	75	THR
54	XY	326	TYR
54	QY	326	TYR
54	XY	217	PHE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 63 such sidechains are listed below:

Mol	Chain	Res	Type
48	XQ	16	GLN
30	R8	35	GLN
35	QD	160	GLN

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Mol	Chain	Res	Type
28	R6	20	ASN
54	QY	290	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	RA	2858/2915 (98%)	427 (14%)	21 (0%)
1	YA	2858/2915 (98%)	429 (15%)	24 (0%)
2	RB	119/122 (97%)	10 (8%)	0
2	YB	119/122 (97%)	12 (10%)	0
32	QA	1497/1521 (98%)	222 (14%)	14 (0%)
32	XA	1501/1521 (98%)	234 (15%)	18 (1%)
53	QV	76/77 (98%)	19 (25%)	1 (1%)
53	XV	76/77 (98%)	18 (23%)	1 (1%)
55	QX	5/25 (20%)	1 (20%)	0
55	XX	5/25 (20%)	1 (20%)	0
All	All	9114/9320 (97%)	1373 (15%)	79 (0%)

5 of 1373 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	YA	10	G
1	YA	11	G
1	YA	12	U
1	YA	15	G
1	YA	34	C

5 of 79 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	RA	272(M)	G
1	RA	1992	G
1	RA	752	A
1	RA	1067	A
1	RA	2321	G

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

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

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
32	MA6	QA	1519	32	23,26,27	1.56	4 (17%)	33,38,41	2.33	11 (33%)
32	UR3	QA	1498	32	19,22,23	1.02	1 (5%)	26,32,35	1.74	3 (11%)
54	MEQ	QY	252	54	8,9,10	0.92	0	5,10,12	0.65	0
32	5MC	QA	1407	32	19,22,23	1.65	3 (15%)	26,32,35	1.10	3 (11%)
43	0TD	XL	92	43	8,9,10	4.87	2 (25%)	6,11,13	2.37	2 (33%)
43	0TD	QL	92	43	8,9,10	8.02	6 (75%)	6,11,13	4.27	2 (33%)
32	PSU	XA	516	32	18,21,22	1.35	2 (11%)	21,30,33	2.02	5 (23%)
1	2MA	RA	2503	56,1	22,25,26	1.52	4 (18%)	32,37,40	2.29	8 (25%)
32	MA6	XA	1519	32	23,26,27	1.55	4 (17%)	33,38,41	2.39	13 (39%)
32	5MC	XA	967	32	19,22,23	1.75	3 (15%)	26,32,35	1.10	2 (7%)
1	OMG	RA	2251	56,1,53	23,26,27	1.20	3 (13%)	32,38,41	1.99	6 (18%)
1	2MU	YA	2552	56,1	19,22,24	1.26	3 (15%)	25,31,36	1.88	6 (24%)
1	OMG	YA	2251	56,1,53	23,26,27	1.22	3 (13%)	32,38,41	2.01	6 (18%)
32	7MG	QA	527	56,32	23,26,27	1.31	3 (13%)	27,39,42	2.66	7 (25%)
1	5MC	RA	1942	1	19,22,23	1.63	3 (15%)	26,32,35	1.19	3 (11%)
1	5MU	RA	1939	1	19,22,23	1.36	5 (26%)	27,32,35	2.15	6 (22%)
1	5MU	RA	1915	56,1	19,22,23	1.47	5 (26%)	27,32,35	2.17	8 (29%)
32	PSU	QA	516	56,32	18,21,22	1.35	2 (11%)	21,30,33	2.08	5 (23%)
1	5MU	YA	1915	1	19,22,23	1.40	4 (21%)	27,32,35	2.23	9 (33%)
1	4OC	YA	1920	1	19,22,24	0.78	0	25,31,35	0.87	0
32	2MG	QA	1207	32	23,26,27	1.25	3 (13%)	33,38,41	2.23	6 (18%)
1	5MC	YA	1942	1	19,22,23	1.61	3 (15%)	26,32,35	1.14	3 (11%)
32	4OC	XA	1402	32	20,23,24	0.76	0	25,32,35	0.93	1 (4%)
32	MA6	XA	1518	32	23,26,27	1.53	5 (21%)	33,38,41	2.36	14 (42%)
1	PSU	RA	1917	1	18,21,22	1.35	2 (11%)	21,30,33	1.97	4 (19%)
1	PSU	YA	2605	1	18,21,22	1.36	3 (16%)	21,30,33	1.96	3 (14%)
1	4OC	RA	1920	1	19,22,24	0.78	0	25,31,35	0.97	1 (4%)
1	2MU	RA	2552	56,1	19,22,24	1.27	4 (21%)	25,31,36	1.87	6 (24%)
1	PSU	RA	2605	1	18,21,22	1.38	2 (11%)	21,30,33	2.04	4 (19%)
1	PSU	YA	1917	1	18,21,22	1.37	2 (11%)	21,30,33	1.97	3 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	MEQ	XY	252	54	8,9,10	0.88	0	5,10,12	0.67	0
32	M2G	QA	966	32	24,27,28	1.29	4 (16%)	33,40,43	1.87	6 (18%)
32	4OC	QA	1402	32	20,23,24	0.76	0	25,32,35	0.93	1 (4%)
1	2MA	YA	2503	56,1	22,25,26	1.50	4 (18%)	32,37,40	2.33	8 (25%)
32	5MC	XA	1400	32	19,22,23	1.67	3 (15%)	26,32,35	1.13	2 (7%)
32	2MG	XA	1207	32	23,26,27	1.25	3 (13%)	33,38,41	2.22	8 (24%)
32	MA6	QA	1518	32	23,26,27	1.56	5 (21%)	33,38,41	2.29	13 (39%)
1	PSU	YA	1911	1	18,21,22	1.37	2 (11%)	21,30,33	1.98	3 (14%)
1	5MU	YA	1939	56,1	19,22,23	1.42	6 (31%)	27,32,35	2.13	6 (22%)
32	UR3	XA	1498	56,32	19,22,23	1.02	1 (5%)	26,32,35	1.73	2 (7%)
32	5MC	XA	1404	32	19,22,23	1.61	3 (15%)	26,32,35	1.11	2 (7%)
32	M2G	XA	966	32	24,27,28	1.29	3 (12%)	33,40,43	1.87	6 (18%)
32	5MC	XA	1407	32	19,22,23	1.58	3 (15%)	26,32,35	1.10	3 (11%)
32	5MC	QA	967	32	19,22,23	1.71	3 (15%)	26,32,35	1.10	2 (7%)
32	5MC	QA	1400	32	19,22,23	1.66	3 (15%)	26,32,35	1.09	2 (7%)
1	PSU	RA	1911	1	18,21,22	1.36	2 (11%)	21,30,33	2.03	4 (19%)
1	5MC	RA	1962	56,1	19,22,23	1.63	3 (15%)	26,32,35	1.14	2 (7%)
32	7MG	XA	527	56,32	23,26,27	1.31	3 (13%)	27,39,42	2.66	7 (25%)
1	5MC	YA	1962	56,1	19,22,23	1.62	3 (15%)	26,32,35	1.13	3 (11%)
32	5MC	QA	1404	32	19,22,23	1.67	3 (15%)	26,32,35	1.17	3 (11%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	MA6	QA	1519	32	-	3/11/29/30	0/3/3/3
32	UR3	QA	1498	32	-	0/7/25/26	0/2/2/2
54	MEQ	QY	252	54	-	4/8/9/11	-
32	5MC	QA	1407	32	-	0/7/25/26	0/2/2/2
43	0TD	XL	92	43	-	4/7/12/14	-
43	0TD	QL	92	43	-	2/7/12/14	-
32	PSU	XA	516	32	-	0/7/25/26	0/2/2/2
1	2MA	RA	2503	56,1	-	0/7/25/26	0/3/3/3
32	MA6	XA	1519	32	-	3/11/29/30	0/3/3/3
32	5MC	XA	967	32	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMG	RA	2251	56,1,53	-	0/9/27/28	0/3/3/3
1	2MU	YA	2552	56,1	-	0/9/27/28	0/2/2/2
1	OMG	YA	2251	56,1,53	-	0/9/27/28	0/3/3/3
32	7MG	QA	527	56,32	-	3/7/37/38	0/3/3/3
1	5MC	RA	1942	1	-	0/7/25/26	0/2/2/2
1	5MU	RA	1939	1	-	0/7/25/26	0/2/2/2
1	5MU	RA	1915	56,1	-	2/7/25/26	0/2/2/2
32	PSU	QA	516	56,32	-	0/7/25/26	0/2/2/2
1	5MU	YA	1915	1	-	2/7/25/26	0/2/2/2
1	4OC	YA	1920	1	-	0/9/27/30	0/2/2/2
32	2MG	QA	1207	32	-	0/9/27/28	0/3/3/3
1	5MC	YA	1942	1	-	0/7/25/26	0/2/2/2
32	4OC	XA	1402	32	-	2/9/29/30	0/2/2/2
32	MA6	XA	1518	32	-	1/11/29/30	0/3/3/3
1	PSU	RA	1917	1	-	0/7/25/26	0/2/2/2
1	PSU	YA	2605	1	-	0/7/25/26	0/2/2/2
1	4OC	RA	1920	1	-	0/9/27/30	0/2/2/2
1	2MU	RA	2552	56,1	-	0/9/27/28	0/2/2/2
1	PSU	RA	2605	1	-	0/7/25/26	0/2/2/2
1	PSU	YA	1917	1	-	0/7/25/26	0/2/2/2
54	MEQ	XY	252	54	-	2/8/9/11	-
32	M2G	QA	966	32	-	0/11/29/30	0/3/3/3
32	4OC	QA	1402	32	-	2/9/29/30	0/2/2/2
1	2MA	YA	2503	56,1	-	0/7/25/26	0/3/3/3
32	5MC	XA	1400	32	-	1/7/25/26	0/2/2/2
32	2MG	XA	1207	32	-	0/9/27/28	0/3/3/3
32	MA6	QA	1518	32	-	2/11/29/30	0/3/3/3
1	PSU	YA	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	YA	1939	56,1	-	0/7/25/26	0/2/2/2
32	UR3	XA	1498	56,32	-	0/7/25/26	0/2/2/2
32	5MC	XA	1404	32	-	0/7/25/26	0/2/2/2
32	M2G	XA	966	32	-	0/11/29/30	0/3/3/3
32	5MC	XA	1407	32	-	0/7/25/26	0/2/2/2
32	5MC	QA	967	32	-	0/7/25/26	0/2/2/2
32	5MC	QA	1400	32	-	2/7/25/26	0/2/2/2
1	PSU	RA	1911	1	-	0/7/25/26	0/2/2/2
1	5MC	RA	1962	56,1	-	0/7/25/26	0/2/2/2
32	7MG	XA	527	56,32	-	3/7/37/38	0/3/3/3
1	5MC	YA	1962	56,1	-	0/7/25/26	0/2/2/2
32	5MC	QA	1404	32	-	1/7/25/26	0/2/2/2

The worst 5 of 141 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	QL	92	0TD	CB-SB	-17.21	1.64	1.82
43	QL	92	0TD	CB-CA	-13.61	1.50	1.54
43	XL	92	0TD	CB-SB	-12.65	1.69	1.82
32	XA	967	5MC	C5-C4	6.46	1.49	1.44
32	QA	967	5MC	C5-C4	6.30	1.48	1.44

The worst 5 of 233 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	QA	527	7MG	N9-C4-N3	9.16	138.88	125.46
32	XA	527	7MG	N9-C4-N3	9.10	138.79	125.46
1	YA	2503	2MA	C5-C4-N3	-8.45	118.28	127.18
1	RA	2503	2MA	C5-C4-N3	-8.18	118.57	127.18
43	QL	92	0TD	CB-CA-N	-7.90	93.10	109.10

There are no chirality outliers.

5 of 39 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	YA	1915	5MU	O4'-C1'-N1-C2
1	YA	1915	5MU	O4'-C1'-N1-C6
32	XA	1402	4OC	O4'-C4'-C5'-O5'
32	XA	1519	MA6	O4'-C4'-C5'-O5'
43	XL	92	0TD	O-C-CA-CB

There are no ring outliers.

22 monomers are involved in 23 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	QA	1519	MA6	1	0
32	QA	1498	UR3	1	0
43	XL	92	0TD	1	0
43	QL	92	0TD	1	0
1	RA	2503	2MA	1	0
1	YA	2251	OMG	1	0
1	RA	1942	5MC	1	0
1	RA	1939	5MU	2	0
32	QA	516	PSU	1	0
1	YA	1920	4OC	2	0
32	QA	1207	2MG	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	XA	1402	4OC	1	0
32	XA	1518	MA6	1	0
32	QA	966	M2G	1	0
32	QA	1402	4OC	1	0
1	YA	2503	2MA	1	0
32	XA	1207	2MG	1	0
32	QA	1518	MA6	1	0
1	YA	1939	5MU	1	0
32	QA	967	5MC	1	0
1	RA	1962	5MC	1	0
1	YA	1962	5MC	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2534 ligands modelled in this entry, 2532 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
58	SF4	XD	301	35	0,12,12	-	-	-		
58	SF4	QD	302	35	0,12,12	-	-	-		

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
58	SF4	XD	301	35	-	-	0/6/5/5
58	SF4	QD	302	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
1	RA	2856/2915 (97%)	0.29	156 (5%)	30	21	76, 86, 96, 102	0
1	YA	2856/2915 (97%)	0.58	190 (6%)	24	16	71, 83, 96, 100	0
2	RB	120/122 (98%)	0.09	2 (1%)	69	50	84, 90, 93, 96	0
2	YB	120/122 (98%)	-0.13	2 (1%)	69	50	80, 87, 91, 94	0
3	RD	275/276 (99%)	1.22	56 (20%)	3	2	77, 85, 89, 96	0
3	YD	275/276 (99%)	1.44	77 (28%)	1	1	76, 83, 89, 90	0
4	RE	204/206 (99%)	1.00	29 (14%)	6	5	78, 86, 91, 93	0
4	YE	204/206 (99%)	1.11	40 (19%)	3	3	77, 86, 90, 94	0
5	RF	203/210 (96%)	0.76	16 (7%)	18	14	81, 87, 92, 95	0
5	YF	203/210 (96%)	1.08	31 (15%)	5	5	76, 85, 91, 94	0
6	RG	181/182 (99%)	0.72	10 (5%)	30	21	87, 91, 94, 97	0
6	YG	181/182 (99%)	0.55	7 (3%)	43	29	85, 89, 93, 95	0
7	RH	174/180 (96%)	0.87	11 (6%)	26	17	86, 92, 95, 97	0
7	YH	173/180 (96%)	0.82	15 (8%)	16	12	82, 88, 92, 95	0
8	RI	147/148 (99%)	1.03	19 (12%)	7	6	85, 91, 94, 97	0
8	YI	146/148 (98%)	0.81	11 (7%)	20	15	84, 90, 94, 96	0
9	RN	140/140 (100%)	0.71	14 (10%)	12	10	83, 88, 92, 96	0
9	YN	140/140 (100%)	0.89	12 (8%)	16	12	80, 86, 91, 94	0
10	RO	122/122 (100%)	1.01	14 (11%)	9	8	79, 85, 90, 91	0
10	YO	122/122 (100%)	1.06	16 (13%)	7	6	78, 85, 89, 92	0
11	RP	149/150 (99%)	1.06	25 (16%)	4	4	78, 88, 92, 95	0
11	YP	149/150 (99%)	1.34	44 (29%)	1	1	77, 85, 90, 94	0
12	RQ	141/141 (100%)	0.76	9 (6%)	25	17	82, 87, 91, 93	0
12	YQ	141/141 (100%)	1.11	15 (10%)	11	9	77, 85, 89, 91	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	RR	118/118 (100%)	1.14	13 (11%) 10 9	81, 86, 89, 91	0
13	YR	118/118 (100%)	1.26	15 (12%) 8 6	80, 85, 89, 92	0
14	RS	110/112 (98%)	0.82	8 (7%) 21 15	84, 89, 93, 95	0
14	YS	110/112 (98%)	0.64	10 (9%) 15 11	82, 88, 91, 94	0
15	RT	131/146 (89%)	0.70	6 (4%) 37 25	82, 87, 91, 95	0
15	YT	131/146 (89%)	0.79	5 (3%) 44 30	82, 86, 92, 95	0
16	RU	116/118 (98%)	0.90	8 (6%) 23 16	82, 87, 92, 93	0
16	YU	116/118 (98%)	1.32	28 (24%) 2 1	78, 84, 90, 91	0
17	RV	101/101 (100%)	0.45	7 (6%) 23 16	81, 89, 92, 95	0
17	YV	101/101 (100%)	0.61	5 (4%) 34 23	80, 86, 91, 93	0
18	RW	112/113 (99%)	0.98	13 (11%) 9 8	80, 85, 90, 95	0
18	YW	112/113 (99%)	1.28	20 (17%) 3 3	78, 84, 90, 95	0
19	RX	95/96 (98%)	1.13	16 (16%) 4 4	83, 87, 90, 93	0
19	YX	95/96 (98%)	1.15	15 (15%) 5 4	79, 84, 89, 94	0
20	RY	107/110 (97%)	1.33	23 (21%) 2 2	85, 90, 93, 100	0
20	YY	107/110 (97%)	0.96	6 (5%) 30 20	82, 88, 92, 98	0
21	RZ	203/206 (98%)	0.85	13 (6%) 25 17	87, 90, 94, 99	0
21	YZ	201/206 (97%)	0.70	16 (7%) 18 14	83, 89, 94, 96	0
22	R0	77/85 (90%)	0.91	5 (6%) 25 17	83, 87, 90, 95	0
22	Y0	77/85 (90%)	1.35	15 (19%) 3 3	80, 85, 90, 95	0
23	R1	97/98 (98%)	1.23	18 (18%) 3 3	82, 86, 92, 94	0
23	Y1	97/98 (98%)	1.14	14 (14%) 6 5	78, 85, 91, 94	0
24	R2	70/72 (97%)	0.74	5 (7%) 22 15	83, 89, 92, 94	0
24	Y2	70/72 (97%)	1.30	13 (18%) 3 3	79, 86, 90, 97	0
25	R3	59/60 (98%)	0.89	3 (5%) 33 22	82, 88, 93, 98	0
25	Y3	59/60 (98%)	1.05	9 (15%) 5 5	79, 85, 91, 95	0
26	R4	69/71 (97%)	1.09	10 (14%) 6 5	89, 93, 96, 97	0
26	Y4	69/71 (97%)	1.01	4 (5%) 29 19	87, 92, 96, 97	0
27	R5	59/60 (98%)	0.94	11 (18%) 3 3	78, 86, 92, 95	0
27	Y5	59/60 (98%)	0.98	9 (15%) 5 5	78, 85, 92, 97	0
28	R6	53/54 (98%)	1.22	10 (18%) 3 3	89, 93, 96, 100	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	Y6	53/54 (98%)	1.12	6 (11%) 10 8	88, 92, 95, 97	0
29	R7	48/49 (97%)	1.57	11 (22%) 2 2	79, 84, 91, 93	0
29	Y7	48/49 (97%)	2.02	18 (37%) 1 1	76, 81, 88, 93	0
30	R8	64/65 (98%)	1.33	10 (15%) 5 4	81, 86, 90, 91	0
30	Y8	64/65 (98%)	1.64	16 (25%) 2 1	76, 83, 89, 90	0
31	R9	37/37 (100%)	1.35	8 (21%) 2 2	88, 90, 94, 97	0
31	Y9	37/37 (100%)	1.30	6 (16%) 4 4	84, 89, 91, 91	0
32	QA	1488/1521 (97%)	0.26	45 (3%) 52 35	83, 90, 96, 103	0
32	XA	1492/1521 (98%)	0.21	32 (2%) 63 44	78, 90, 96, 101	0
33	QB	231/256 (90%)	0.98	23 (9%) 12 10	88, 92, 95, 97	0
33	XB	231/256 (90%)	0.76	16 (6%) 23 16	87, 91, 95, 98	0
34	QC	206/239 (86%)	0.69	8 (3%) 43 29	88, 91, 94, 96	0
34	XC	206/239 (86%)	0.63	14 (6%) 23 16	87, 90, 93, 96	0
35	QD	208/209 (99%)	0.73	11 (5%) 32 22	85, 89, 93, 97	0
35	XD	208/209 (99%)	1.00	30 (14%) 6 5	85, 90, 94, 97	0
36	QE	148/162 (91%)	0.52	3 (2%) 65 46	85, 90, 93, 95	0
36	XE	148/162 (91%)	0.38	4 (2%) 56 37	85, 88, 92, 94	0
37	QF	100/101 (99%)	0.51	1 (1%) 79 63	87, 90, 93, 95	0
37	XF	100/101 (99%)	0.44	2 (2%) 65 46	83, 89, 93, 95	0
38	QG	155/156 (99%)	0.73	9 (5%) 29 19	88, 91, 94, 96	0
38	XG	155/156 (99%)	0.64	10 (6%) 25 17	87, 91, 95, 96	0
39	QH	137/138 (99%)	0.75	12 (8%) 15 12	86, 89, 92, 94	0
39	XH	137/138 (99%)	0.73	5 (3%) 46 31	82, 89, 92, 94	0
40	QI	127/128 (99%)	1.61	40 (31%) 1 1	86, 92, 95, 96	0
40	XI	126/128 (98%)	1.20	18 (14%) 6 5	85, 92, 95, 98	0
41	QJ	97/105 (92%)	1.54	22 (22%) 2 2	86, 92, 95, 97	0
41	XJ	96/105 (91%)	1.15	21 (21%) 2 2	87, 91, 94, 96	0
42	QK	114/129 (88%)	0.52	11 (9%) 13 11	86, 90, 93, 94	0
42	XK	114/129 (88%)	0.59	9 (7%) 18 14	82, 88, 92, 95	0
43	QL	121/132 (91%)	1.01	17 (14%) 6 5	81, 87, 90, 92	0
43	XL	121/132 (91%)	1.00	17 (14%) 6 5	83, 87, 91, 93	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	QM	116/126 (92%)	1.08	12 (10%) 12 10	88, 92, 95, 97	0
44	XM	114/126 (90%)	0.88	11 (9%) 13 11	87, 91, 94, 95	0
45	QN	60/61 (98%)	1.54	18 (30%) 1 1	87, 91, 94, 95	0
45	XN	60/61 (98%)	1.21	11 (18%) 3 3	88, 90, 93, 95	0
46	QO	88/89 (98%)	0.69	5 (5%) 29 20	86, 89, 93, 94	0
46	XO	88/89 (98%)	0.83	9 (10%) 12 10	84, 89, 92, 94	0
47	QP	82/88 (93%)	0.84	8 (9%) 13 10	84, 89, 91, 93	0
47	XP	82/88 (93%)	1.02	10 (12%) 8 7	86, 90, 92, 95	0
48	QQ	99/105 (94%)	0.62	5 (5%) 33 22	85, 89, 93, 95	0
48	XQ	99/105 (94%)	0.80	9 (9%) 15 11	85, 88, 91, 93	0
49	QR	68/88 (77%)	0.63	3 (4%) 39 25	86, 90, 94, 96	0
49	XR	68/88 (77%)	0.40	0 100 100	83, 89, 92, 93	0
50	QS	83/93 (89%)	1.27	15 (18%) 3 3	88, 92, 95, 97	0
50	XS	83/93 (89%)	1.25	15 (18%) 3 3	89, 92, 94, 96	0
51	QT	96/106 (90%)	1.27	22 (22%) 2 2	84, 89, 91, 93	0
51	XT	98/106 (92%)	1.31	24 (24%) 2 1	86, 90, 93, 94	0
52	QU	23/27 (85%)	2.14	10 (43%) 0 0	88, 92, 94, 95	0
52	XU	23/27 (85%)	2.08	13 (56%) 0 0	89, 91, 93, 93	0
53	QV	77/77 (100%)	0.04	3 (3%) 43 29	85, 91, 96, 98	0
53	XV	77/77 (100%)	-0.05	2 (2%) 57 38	83, 90, 96, 100	0
54	QY	356/380 (93%)	0.90	36 (10%) 12 10	86, 92, 96, 99	0
54	XY	356/380 (93%)	0.88	38 (10%) 11 9	84, 91, 96, 99	0
55	QX	6/25 (24%)	0.84	1 (16%) 4 4	87, 90, 91, 92	0
55	XX	6/25 (24%)	0.38	0 100 100	85, 88, 91, 91	0
All	All	21446/22208 (96%)	0.69	1909 (8%) 15 12	71, 88, 95, 103	0

The worst 5 of 1909 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
3	RD	276	LYS	11.0
22	Y0	8	GLY	9.7
20	YY	1	MET	9.1
1	YA	2141	G	7.8
1	YA	2140	C	7.4

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
1	5MU	RA	1915	21/22	0.81	0.11	84,89,93,97	0
32	PSU	XA	516	20/21	0.83	0.10	89,90,93,94	0
32	PSU	QA	516	20/21	0.84	0.10	87,89,91,91	0
32	2MG	XA	1207	24/25	0.84	0.12	88,90,95,97	0
1	5MU	YA	1915	21/22	0.86	0.12	85,89,92,95	0
32	2MG	QA	1207	24/25	0.87	0.11	89,91,96,97	0
1	PSU	YA	1917	20/21	0.87	0.11	81,86,88,89	0
1	PSU	RA	1917	20/21	0.88	0.10	84,87,91,91	0
1	PSU	YA	1911	20/21	0.89	0.12	79,85,88,90	0
32	UR3	QA	1498	21/22	0.90	0.14	80,84,87,92	0
32	M2G	XA	966	25/26	0.90	0.13	83,87,94,94	0
32	4OC	QA	1402	22/23	0.90	0.12	84,87,89,90	0
32	7MG	QA	527	24/25	0.91	0.12	85,87,87,88	0
32	5MC	XA	967	21/22	0.91	0.12	87,88,89,89	0
32	5MC	QA	1400	21/22	0.92	0.12	85,89,90,90	0
43	0TD	XL	92	10/11	0.92	0.12	85,89,93,95	0
32	M2G	QA	966	25/26	0.92	0.11	85,87,91,93	0
1	PSU	RA	1911	20/21	0.92	0.08	82,85,88,89	0
32	5MC	QA	967	21/22	0.92	0.12	83,87,90,93	0
32	4OC	XA	1402	22/23	0.92	0.12	83,85,87,89	0
1	4OC	RA	1920	21/23	0.92	0.09	83,85,89,92	0
1	5MC	RA	1942	21/22	0.92	0.10	81,85,88,90	0
54	MEQ	QY	252	10/11	0.92	0.18	85,87,90,90	0
1	5MC	YA	1942	21/22	0.93	0.12	76,81,87,88	0
32	5MC	XA	1400	21/22	0.94	0.11	78,85,86,88	0
32	7MG	XA	527	24/25	0.94	0.11	83,86,87,88	0
32	5MC	XA	1404	21/22	0.94	0.11	79,84,85,87	0
32	5MC	QA	1407	21/22	0.94	0.08	80,83,85,86	0
1	4OC	YA	1920	21/23	0.94	0.14	81,83,85,87	0
43	0TD	QL	92	10/11	0.94	0.13	87,90,94,95	0
54	MEQ	XY	252	10/11	0.94	0.19	86,87,91,91	0
1	2MA	YA	2503	23/24	0.95	0.17	72,78,79,81	0
1	2MU	YA	2552	21/23	0.95	0.15	74,78,86,87	0
32	5MC	QA	1404	21/22	0.95	0.09	83,86,88,88	0
32	5MC	XA	1407	21/22	0.95	0.10	81,84,89,91	0
1	5MU	RA	1939	21/22	0.95	0.13	76,82,84,85	0
32	UR3	XA	1498	21/22	0.95	0.10	74,83,87,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	OMG	RA	2251	24/25	0.95	0.14	80,83,85,85	0
1	2MA	RA	2503	23/24	0.95	0.14	75,81,83,84	0
1	2MU	RA	2552	21/23	0.95	0.11	75,82,84,87	0
32	MA6	QA	1518	24/25	0.95	0.12	82,86,88,89	0
1	PSU	YA	2605	20/21	0.95	0.15	69,77,81,83	0
32	MA6	QA	1519	24/25	0.96	0.11	82,85,85,87	0
1	OMG	YA	2251	24/25	0.96	0.16	72,78,83,84	0
1	PSU	RA	2605	20/21	0.96	0.11	72,79,84,84	0
1	5MC	RA	1962	21/22	0.96	0.11	76,84,87,87	0
32	MA6	XA	1519	24/25	0.96	0.12	76,83,84,86	0
1	5MC	YA	1962	21/22	0.97	0.10	73,81,85,85	0
32	MA6	XA	1518	24/25	0.97	0.13	70,82,82,83	0
1	5MU	YA	1939	21/22	0.97	0.15	72,77,82,84	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3312	1/1	-0.32	0.18	96,96,96,96	0
56	MG	QA	1733	1/1	-0.30	0.29	94,94,94,94	0
56	MG	RA	3440	1/1	-0.27	0.19	89,89,89,89	0
56	MG	XA	1728	1/1	-0.26	0.27	84,84,84,84	0
56	MG	QA	1840	1/1	-0.16	0.21	88,88,88,88	0
56	MG	RA	3491	1/1	-0.16	0.28	85,85,85,85	0
56	MG	RA	3670	1/1	-0.16	0.21	103,103,103,103	0
56	MG	YA	3534	1/1	-0.12	0.31	85,85,85,85	0
56	MG	YA	3487	1/1	-0.12	0.40	84,84,84,84	0
56	MG	QD	304	1/1	-0.11	0.20	97,97,97,97	0
56	MG	QA	1647	1/1	-0.10	0.19	101,101,101,101	0
56	MG	YA	3690	1/1	-0.10	0.32	78,78,78,78	0
56	MG	QA	1640	1/1	-0.07	0.39	99,99,99,99	0
56	MG	XA	1623	1/1	-0.07	0.25	83,83,83,83	0
56	MG	RA	3400	1/1	-0.07	0.18	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3036	1/1	-0.05	0.29	94,94,94,94	0
56	MG	RA	3332	1/1	-0.04	0.29	93,93,93,93	0
56	MG	YA	3201	1/1	-0.01	0.17	90,90,90,90	0
56	MG	RA	3067	1/1	-0.01	0.20	100,100,100,100	0
56	MG	YF	301	1/1	-0.01	0.43	94,94,94,94	0
56	MG	YA	3461	1/1	-0.01	0.35	87,87,87,87	0
56	MG	RB	217	1/1	-0.01	0.25	87,87,87,87	0
56	MG	RA	3498	1/1	0.00	0.29	83,83,83,83	0
56	MG	RA	3482	1/1	0.00	0.25	100,100,100,100	0
56	MG	XA	1779	1/1	-0.00	0.62	92,92,92,92	0
56	MG	RH	201	1/1	-0.00	0.16	89,89,89,89	0
56	MG	XA	1609	1/1	0.01	0.28	87,87,87,87	0
56	MG	RA	3648	1/1	0.02	0.59	97,97,97,97	0
56	MG	QA	1741	1/1	0.02	0.23	97,97,97,97	0
56	MG	QA	1814	1/1	0.03	0.30	89,89,89,89	0
56	MG	RA	3944	1/1	0.03	0.36	97,97,97,97	0
56	MG	QA	1769	1/1	0.04	0.28	99,99,99,99	0
56	MG	RG	203	1/1	0.04	0.31	83,83,83,83	0
56	MG	YA	3195	1/1	0.04	0.25	89,89,89,89	0
56	MG	QA	1698	1/1	0.05	0.27	97,97,97,97	0
56	MG	R5	105	1/1	0.05	0.20	95,95,95,95	0
56	MG	RA	3635	1/1	0.06	0.22	96,96,96,96	0
56	MG	YA	3076	1/1	0.06	0.39	92,92,92,92	0
56	MG	YA	3658	1/1	0.07	0.45	87,87,87,87	0
56	MG	XA	1657	1/1	0.07	0.40	91,91,91,91	0
56	MG	RA	3876	1/1	0.08	0.31	92,92,92,92	0
56	MG	RA	3564	1/1	0.08	0.36	91,91,91,91	0
56	MG	QA	1739	1/1	0.08	0.30	80,80,80,80	0
56	MG	RA	3430	1/1	0.09	0.16	93,93,93,93	0
56	MG	XA	1786	1/1	0.09	0.47	89,89,89,89	0
56	MG	RA	3573	1/1	0.09	0.34	88,88,88,88	0
56	MG	XA	1611	1/1	0.10	0.27	81,81,81,81	0
56	MG	XE	201	1/1	0.10	0.34	93,93,93,93	0
56	MG	XA	1723	1/1	0.10	0.16	91,91,91,91	0
56	MG	YA	3174	1/1	0.11	0.30	78,78,78,78	0
56	MG	RA	3411	1/1	0.11	0.17	93,93,93,93	0
56	MG	RA	3464	1/1	0.12	0.34	90,90,90,90	0
56	MG	RA	3962	1/1	0.12	0.19	95,95,95,95	0
56	MG	YA	3320	1/1	0.12	0.41	87,87,87,87	0
56	MG	RA	3952	1/1	0.13	0.29	96,96,96,96	0
56	MG	RA	3499	1/1	0.13	0.37	80,80,80,80	0
56	MG	RA	3999	1/1	0.13	0.17	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1694	1/1	0.13	0.30	77,77,77,77	0
56	MG	RA	3783	1/1	0.13	0.68	96,96,96,96	0
56	MG	QA	1727	1/1	0.13	0.48	86,86,86,86	0
56	MG	R4	102	1/1	0.13	0.18	97,97,97,97	0
56	MG	YA	3035	1/1	0.13	0.24	93,93,93,93	0
56	MG	YA	3484	1/1	0.14	0.16	99,99,99,99	0
56	MG	YA	3411	1/1	0.14	0.38	90,90,90,90	0
56	MG	QA	1842	1/1	0.15	0.48	95,95,95,95	0
56	MG	XA	1712	1/1	0.15	0.25	96,96,96,96	0
56	MG	QN	102	1/1	0.15	0.29	90,90,90,90	0
56	MG	XA	1704	1/1	0.15	0.35	90,90,90,90	0
56	MG	QA	1834	1/1	0.16	0.20	97,97,97,97	0
56	MG	XA	1620	1/1	0.16	0.23	93,93,93,93	0
56	MG	QA	1685	1/1	0.16	0.20	89,89,89,89	0
56	MG	RQ	201	1/1	0.16	0.34	87,87,87,87	0
56	MG	YA	3525	1/1	0.16	0.37	88,88,88,88	0
56	MG	RA	3802	1/1	0.16	0.19	85,85,85,85	0
56	MG	YA	3696	1/1	0.17	0.37	91,91,91,91	0
56	MG	RA	3782	1/1	0.17	0.42	99,99,99,99	0
56	MG	XA	1674	1/1	0.17	0.17	94,94,94,94	0
56	MG	RA	3804	1/1	0.18	0.17	92,92,92,92	0
56	MG	XA	1755	1/1	0.18	0.30	87,87,87,87	0
56	MG	YA	3628	1/1	0.18	0.22	87,87,87,87	0
56	MG	RA	3371	1/1	0.18	0.39	97,97,97,97	0
56	MG	RT	203	1/1	0.18	0.26	100,100,100,100	0
56	MG	YA	3556	1/1	0.18	0.43	73,73,73,73	0
56	MG	RA	3112	1/1	0.18	0.16	96,96,96,96	0
56	MG	YA	3603	1/1	0.19	0.29	82,82,82,82	0
56	MG	QR	101	1/1	0.19	0.25	93,93,93,93	0
56	MG	QA	1764	1/1	0.19	0.48	83,83,83,83	0
56	MG	XF	203	1/1	0.19	0.42	103,103,103,103	0
56	MG	QA	1869	1/1	0.19	0.24	105,105,105,105	0
56	MG	RA	3118	1/1	0.19	0.37	96,96,96,96	0
56	MG	RA	3123	1/1	0.19	0.20	80,80,80,80	0
56	MG	XA	1653	1/1	0.19	0.28	89,89,89,89	0
56	MG	XA	1749	1/1	0.20	0.25	98,98,98,98	0
56	MG	RA	3171	1/1	0.20	0.25	92,92,92,92	0
56	MG	YA	3450	1/1	0.20	0.41	79,79,79,79	0
56	MG	YA	3474	1/1	0.20	0.24	78,78,78,78	0
56	MG	YA	3670	1/1	0.20	0.30	85,85,85,85	0
56	MG	YA	3055	1/1	0.21	0.24	88,88,88,88	0
56	MG	YA	3361	1/1	0.21	0.33	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1841	1/1	0.21	0.14	94,94,94,94	0
56	MG	RA	3058	1/1	0.21	0.48	89,89,89,89	0
56	MG	XA	1693	1/1	0.21	0.51	95,95,95,95	0
56	MG	YA	3269	1/1	0.21	0.29	75,75,75,75	0
56	MG	YA	3686	1/1	0.21	0.25	77,77,77,77	0
56	MG	QA	1683	1/1	0.22	0.24	95,95,95,95	0
56	MG	YA	3709	1/1	0.22	0.29	71,71,71,71	0
56	MG	XA	1722	1/1	0.23	0.33	88,88,88,88	0
56	MG	YA	3291	1/1	0.23	0.25	88,88,88,88	0
56	MG	R5	104	1/1	0.23	0.35	97,97,97,97	0
56	MG	YA	3182	1/1	0.23	0.25	103,103,103,103	0
56	MG	YA	3358	1/1	0.24	0.19	90,90,90,90	0
56	MG	QD	305	1/1	0.24	0.25	99,99,99,99	0
56	MG	YA	3561	1/1	0.24	0.14	89,89,89,89	0
56	MG	YN	201	1/1	0.25	0.25	90,90,90,90	0
56	MG	YA	3028	1/1	0.25	0.34	85,85,85,85	0
56	MG	YA	3267	1/1	0.25	0.26	102,102,102,102	0
56	MG	RB	204	1/1	0.25	0.20	85,85,85,85	0
56	MG	YA	3101	1/1	0.26	0.20	92,92,92,92	0
56	MG	QA	1664	1/1	0.26	0.40	91,91,91,91	0
56	MG	XA	1715	1/1	0.26	0.25	94,94,94,94	0
56	MG	RA	3198	1/1	0.26	0.20	98,98,98,98	0
56	MG	RA	3524	1/1	0.26	0.32	85,85,85,85	0
56	MG	YA	3161	1/1	0.26	0.28	91,91,91,91	0
56	MG	YA	3225	1/1	0.26	0.20	96,96,96,96	0
56	MG	YA	3402	1/1	0.27	0.30	86,86,86,86	0
56	MG	YA	3227	1/1	0.27	0.45	87,87,87,87	0
56	MG	RA	3630	1/1	0.27	0.43	68,68,68,68	0
56	MG	QA	1759	1/1	0.27	0.35	77,77,77,77	0
56	MG	RA	3636	1/1	0.27	0.14	94,94,94,94	0
56	MG	RA	3727	1/1	0.28	0.40	78,78,78,78	0
56	MG	RA	3751	1/1	0.28	0.41	83,83,83,83	0
56	MG	RA	3840	1/1	0.28	0.34	97,97,97,97	0
56	MG	RA	3860	1/1	0.28	0.35	85,85,85,85	0
56	MG	YA	3455	1/1	0.28	0.23	86,86,86,86	0
56	MG	RA	3684	1/1	0.28	0.25	93,93,93,93	0
56	MG	XA	1612	1/1	0.29	0.22	84,84,84,84	0
56	MG	YA	3278	1/1	0.29	0.53	72,72,72,72	0
56	MG	QA	1699	1/1	0.29	0.21	89,89,89,89	0
56	MG	XA	1774	1/1	0.29	0.51	80,80,80,80	0
56	MG	QA	1819	1/1	0.29	0.22	83,83,83,83	0
56	MG	XA	1778	1/1	0.29	0.36	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1670	1/1	0.29	0.14	89,89,89,89	0
56	MG	RA	3974	1/1	0.29	0.41	88,88,88,88	0
56	MG	YA	3442	1/1	0.29	0.21	90,90,90,90	0
56	MG	YA	3483	1/1	0.30	0.37	88,88,88,88	0
56	MG	YA	3633	1/1	0.30	0.40	95,95,95,95	0
56	MG	RA	3367	1/1	0.30	0.34	80,80,80,80	0
56	MG	RA	4069	1/1	0.30	0.29	86,86,86,86	0
56	MG	QA	1746	1/1	0.30	0.25	80,80,80,80	0
56	MG	RA	3397	1/1	0.30	0.38	76,76,76,76	0
56	MG	QA	1608	1/1	0.30	0.27	107,107,107,107	0
56	MG	QA	1728	1/1	0.30	0.27	80,80,80,80	0
56	MG	RA	3150	1/1	0.30	0.15	84,84,84,84	0
56	MG	RA	3008	1/1	0.30	0.16	83,83,83,83	0
56	MG	RA	3640	1/1	0.30	0.52	84,84,84,84	0
56	MG	RA	3197	1/1	0.30	0.19	100,100,100,100	0
56	MG	YA	3258	1/1	0.30	0.23	86,86,86,86	0
56	MG	RA	3787	1/1	0.31	0.20	88,88,88,88	0
56	MG	XA	1698	1/1	0.31	0.33	87,87,87,87	0
56	MG	YA	3058	1/1	0.31	0.16	93,93,93,93	0
56	MG	RA	3547	1/1	0.31	0.25	99,99,99,99	0
56	MG	RA	3111	1/1	0.31	1.05	100,100,100,100	0
56	MG	RA	3872	1/1	0.31	0.33	83,83,83,83	0
56	MG	RA	3369	1/1	0.31	0.47	79,79,79,79	0
56	MG	RA	3734	1/1	0.31	0.33	85,85,85,85	0
56	MG	RA	3019	1/1	0.31	0.67	108,108,108,108	0
56	MG	YA	3030	1/1	0.31	0.39	88,88,88,88	0
56	MG	RA	3225	1/1	0.31	0.42	111,111,111,111	0
56	MG	QA	1657	1/1	0.32	0.30	101,101,101,101	0
56	MG	RA	3031	1/1	0.32	0.32	96,96,96,96	0
56	MG	RA	3546	1/1	0.32	0.27	95,95,95,95	0
56	MG	YE	303	1/1	0.32	0.74	93,93,93,93	0
56	MG	QA	1713	1/1	0.32	0.23	95,95,95,95	0
56	MG	YA	3563	1/1	0.33	0.25	72,72,72,72	0
56	MG	YA	3183	1/1	0.33	0.35	88,88,88,88	0
56	MG	RA	3672	1/1	0.33	0.24	89,89,89,89	0
56	MG	RA	3176	1/1	0.33	0.30	102,102,102,102	0
56	MG	RA	3450	1/1	0.33	0.29	79,79,79,79	0
56	MG	RA	3964	1/1	0.33	0.20	104,104,104,104	0
56	MG	RA	3828	1/1	0.33	0.36	84,84,84,84	0
56	MG	QA	1636	1/1	0.33	0.27	90,90,90,90	0
56	MG	RA	3359	1/1	0.33	0.18	89,89,89,89	0
56	MG	RA	3526	1/1	0.34	0.32	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3536	1/1	0.34	0.28	86,86,86,86	0
56	MG	RA	3826	1/1	0.34	0.16	95,95,95,95	0
56	MG	QA	1682	1/1	0.34	0.24	87,87,87,87	0
56	MG	RA	3677	1/1	0.34	0.22	86,86,86,86	0
56	MG	RB	226	1/1	0.34	0.16	98,98,98,98	0
56	MG	QA	1745	1/1	0.34	0.25	82,82,82,82	0
56	MG	YA	3463	1/1	0.34	0.37	86,86,86,86	0
56	MG	RA	3293	1/1	0.34	0.20	87,87,87,87	0
56	MG	XA	1642	1/1	0.34	0.31	84,84,84,84	0
56	MG	XA	1651	1/1	0.34	0.18	96,96,96,96	0
56	MG	QA	1681	1/1	0.34	0.26	92,92,92,92	0
56	MG	RA	3434	1/1	0.34	0.26	85,85,85,85	0
56	MG	XA	1789	1/1	0.35	0.39	81,81,81,81	0
56	MG	RA	3843	1/1	0.35	0.23	88,88,88,88	0
56	MG	QA	1705	1/1	0.35	0.52	95,95,95,95	0
56	MG	QA	1610	1/1	0.35	0.19	93,93,93,93	0
56	MG	RA	3132	1/1	0.35	0.11	95,95,95,95	0
56	MG	RG	204	1/1	0.35	0.22	84,84,84,84	0
56	MG	QA	1855	1/1	0.35	0.33	106,106,106,106	0
56	MG	QA	1775	1/1	0.35	0.31	91,91,91,91	0
56	MG	XA	1701	1/1	0.35	0.31	74,74,74,74	0
56	MG	RW	202	1/1	0.35	0.48	99,99,99,99	0
56	MG	RX	101	1/1	0.35	0.37	78,78,78,78	0
56	MG	XA	1787	1/1	0.35	0.35	78,78,78,78	0
56	MG	QA	1751	1/1	0.35	0.42	78,78,78,78	0
56	MG	RA	3687	1/1	0.35	0.31	86,86,86,86	0
56	MG	YA	3016	1/1	0.36	0.30	89,89,89,89	0
56	MG	RA	3512	1/1	0.36	0.38	94,94,94,94	0
56	MG	RA	3660	1/1	0.36	0.34	77,77,77,77	0
56	MG	RB	207	1/1	0.36	0.19	93,93,93,93	0
56	MG	RB	208	1/1	0.36	0.30	95,95,95,95	0
56	MG	RA	3315	1/1	0.36	0.31	82,82,82,82	0
56	MG	YA	3558	1/1	0.36	0.65	87,87,87,87	0
56	MG	XA	1672	1/1	0.36	0.21	95,95,95,95	0
56	MG	QA	1753	1/1	0.36	0.19	87,87,87,87	0
56	MG	QA	1818	1/1	0.36	0.54	93,93,93,93	0
56	MG	YA	3471	1/1	0.36	0.29	99,99,99,99	0
56	MG	RA	3937	1/1	0.36	0.38	80,80,80,80	0
56	MG	RA	3485	1/1	0.36	0.40	70,70,70,70	0
56	MG	RA	3603	1/1	0.36	0.70	90,90,90,90	0
56	MG	RA	3250	1/1	0.36	0.30	84,84,84,84	0
56	MG	RA	3492	1/1	0.36	0.30	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1820	1/1	0.36	0.24	76,76,76,76	0
56	MG	RA	3247	1/1	0.37	0.25	89,89,89,89	0
56	MG	QA	1828	1/1	0.37	0.16	86,86,86,86	0
56	MG	YA	3132	1/1	0.37	0.27	93,93,93,93	0
56	MG	RF	302	1/1	0.37	0.25	80,80,80,80	0
56	MG	YA	3425	1/1	0.37	0.39	88,88,88,88	0
56	MG	YA	3027	1/1	0.37	0.28	83,83,83,83	0
56	MG	RA	3658	1/1	0.37	0.37	90,90,90,90	0
56	MG	YA	3102	1/1	0.37	0.37	101,101,101,101	0
56	MG	RA	3035	1/1	0.37	0.20	95,95,95,95	0
56	MG	RA	3811	1/1	0.37	0.17	85,85,85,85	0
56	MG	QA	1816	1/1	0.37	0.22	98,98,98,98	0
56	MG	QA	1690	1/1	0.37	0.21	68,68,68,68	0
56	MG	YA	3451	1/1	0.37	0.42	94,94,94,94	0
56	MG	QA	1734	1/1	0.37	0.26	84,84,84,84	0
56	MG	RA	3567	1/1	0.38	0.26	90,90,90,90	0
56	MG	QA	1867	1/1	0.38	0.31	96,96,96,96	0
56	MG	RA	3590	1/1	0.38	0.19	100,100,100,100	0
56	MG	RA	3723	1/1	0.38	0.18	79,79,79,79	0
56	MG	RA	3864	1/1	0.38	0.25	93,93,93,93	0
56	MG	QA	1653	1/1	0.38	0.23	84,84,84,84	0
56	MG	QA	1771	1/1	0.38	0.15	93,93,93,93	0
56	MG	RA	3908	1/1	0.38	0.39	92,92,92,92	0
56	MG	RA	3423	1/1	0.38	0.21	92,92,92,92	0
56	MG	YA	3341	1/1	0.38	0.26	91,91,91,91	0
56	MG	QA	1630	1/1	0.38	0.57	79,79,79,79	0
56	MG	YA	3522	1/1	0.38	0.30	75,75,75,75	0
56	MG	XA	1690	1/1	0.38	0.18	94,94,94,94	0
56	MG	R0	102	1/1	0.38	0.22	88,88,88,88	0
56	MG	RA	3368	1/1	0.38	0.31	90,90,90,90	0
56	MG	RA	3115	1/1	0.38	0.28	78,78,78,78	0
56	MG	YA	3297	1/1	0.38	0.28	70,70,70,70	0
56	MG	QY	402	1/1	0.38	0.23	92,92,92,92	0
56	MG	QA	1677	1/1	0.39	0.29	89,89,89,89	0
56	MG	RA	3495	1/1	0.39	0.41	83,83,83,83	0
56	MG	QN	103	1/1	0.39	0.52	81,81,81,81	0
56	MG	RA	3747	1/1	0.39	0.17	93,93,93,93	0
56	MG	RA	3273	1/1	0.39	0.17	99,99,99,99	0
56	MG	YA	3089	1/1	0.39	0.18	80,80,80,80	0
56	MG	YA	3218	1/1	0.39	0.26	82,82,82,82	0
56	MG	RA	3525	1/1	0.39	0.24	92,92,92,92	0
56	MG	RR	202	1/1	0.39	0.42	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3953	1/1	0.39	0.32	81,81,81,81	0
56	MG	YA	3376	1/1	0.39	0.28	84,84,84,84	0
56	MG	YA	3631	1/1	0.39	0.19	76,76,76,76	0
56	MG	YB	218	1/1	0.39	0.26	85,85,85,85	0
56	MG	YA	3059	1/1	0.39	0.32	86,86,86,86	0
56	MG	YA	3408	1/1	0.39	0.34	90,90,90,90	0
56	MG	XA	1743	1/1	0.39	0.26	89,89,89,89	0
56	MG	YA	3050	1/1	0.39	0.30	92,92,92,92	0
56	MG	YQ	202	1/1	0.40	0.33	89,89,89,89	0
56	MG	XA	1681	1/1	0.40	0.17	100,100,100,100	0
56	MG	YA	3244	1/1	0.40	0.20	97,97,97,97	0
56	MG	QA	1825	1/1	0.40	0.29	86,86,86,86	0
56	MG	QA	1603	1/1	0.40	0.27	86,86,86,86	0
56	MG	XA	1732	1/1	0.40	0.29	87,87,87,87	0
56	MG	YA	3090	1/1	0.40	0.14	100,100,100,100	0
56	MG	QA	1612	1/1	0.40	0.32	89,89,89,89	0
56	MG	RA	3977	1/1	0.40	0.23	89,89,89,89	0
56	MG	RA	3725	1/1	0.40	0.29	86,86,86,86	0
56	MG	YA	3120	1/1	0.40	0.26	86,86,86,86	0
56	MG	QA	1854	1/1	0.40	0.26	94,94,94,94	0
56	MG	RA	3745	1/1	0.40	0.49	73,73,73,73	0
56	MG	RA	3033	1/1	0.40	0.36	100,100,100,100	0
56	MG	QA	1749	1/1	0.40	0.29	83,83,83,83	0
56	MG	QA	1823	1/1	0.41	0.23	94,94,94,94	0
56	MG	QA	1812	1/1	0.41	0.21	69,69,69,69	0
56	MG	QA	1763	1/1	0.41	0.41	84,84,84,84	0
56	MG	RA	4065	1/1	0.41	0.34	91,91,91,91	0
56	MG	YA	3548	1/1	0.41	0.41	66,66,66,66	0
56	MG	RV	201	1/1	0.41	0.20	100,100,100,100	0
56	MG	RA	3926	1/1	0.41	0.33	78,78,78,78	0
56	MG	XA	1726	1/1	0.41	0.46	96,96,96,96	0
56	MG	RA	3295	1/1	0.41	0.31	92,92,92,92	0
56	MG	R3	101	1/1	0.41	0.75	87,87,87,87	0
56	MG	RA	3453	1/1	0.41	0.25	82,82,82,82	0
56	MG	QA	1709	1/1	0.41	0.26	90,90,90,90	0
56	MG	YA	3308	1/1	0.41	0.42	92,92,92,92	0
56	MG	RA	3629	1/1	0.41	0.21	88,88,88,88	0
56	MG	RA	3461	1/1	0.42	0.40	84,84,84,84	0
56	MG	RA	3316	1/1	0.42	0.34	93,93,93,93	0
56	MG	RA	3148	1/1	0.42	0.20	81,81,81,81	0
56	MG	QM	201	1/1	0.42	0.41	91,91,91,91	0
56	MG	RA	3676	1/1	0.42	0.29	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1785	1/1	0.42	0.16	95,95,95,95	0
56	MG	RA	3898	1/1	0.42	0.27	85,85,85,85	0
56	MG	RA	3899	1/1	0.42	0.27	93,93,93,93	0
56	MG	RA	3681	1/1	0.42	0.30	72,72,72,72	0
56	MG	QA	1706	1/1	0.42	0.34	76,76,76,76	0
56	MG	YA	3082	1/1	0.42	0.40	108,108,108,108	0
56	MG	XA	1792	1/1	0.42	0.16	95,95,95,95	0
56	MG	YA	3144	1/1	0.42	0.20	82,82,82,82	0
56	MG	RA	3655	1/1	0.42	0.27	94,94,94,94	0
56	MG	XA	1649	1/1	0.43	0.33	94,94,94,94	0
56	MG	YB	205	1/1	0.43	0.31	93,93,93,93	0
56	MG	RA	3413	1/1	0.43	0.32	83,83,83,83	0
56	MG	RA	3262	1/1	0.43	0.22	83,83,83,83	0
56	MG	RA	3272	1/1	0.43	0.23	90,90,90,90	0
56	MG	XA	1711	1/1	0.43	0.30	94,94,94,94	0
56	MG	RB	223	1/1	0.43	0.38	96,96,96,96	0
56	MG	YA	3393	1/1	0.43	0.23	89,89,89,89	0
56	MG	QA	1795	1/1	0.43	0.36	97,97,97,97	0
56	MG	RA	3888	1/1	0.43	0.41	89,89,89,89	0
56	MG	QA	1801	1/1	0.43	0.15	76,76,76,76	0
56	MG	YA	3444	1/1	0.43	0.29	97,97,97,97	0
56	MG	RA	3600	1/1	0.43	0.20	94,94,94,94	0
56	MG	QA	1714	1/1	0.43	0.31	82,82,82,82	0
56	MG	RA	3619	1/1	0.43	0.49	67,67,67,67	0
56	MG	RA	3329	1/1	0.43	0.29	94,94,94,94	0
56	MG	RA	3949	1/1	0.43	0.35	95,95,95,95	0
56	MG	RA	3154	1/1	0.43	0.25	85,85,85,85	0
56	MG	XA	1720	1/1	0.43	0.21	96,96,96,96	0
56	MG	QA	1642	1/1	0.43	0.38	101,101,101,101	0
56	MG	XA	1639	1/1	0.43	0.18	86,86,86,86	0
56	MG	QA	1879	1/1	0.43	0.24	105,105,105,105	0
56	MG	RA	3206	1/1	0.43	0.35	86,86,86,86	0
56	MG	YA	3722	1/1	0.43	0.28	93,93,93,93	0
56	MG	YG	201	1/1	0.44	0.23	103,103,103,103	0
56	MG	RA	3338	1/1	0.44	0.46	62,62,62,62	0
56	MG	RB	211	1/1	0.44	0.18	89,89,89,89	0
56	MG	YA	3510	1/1	0.44	0.43	77,77,77,77	0
56	MG	RA	3486	1/1	0.44	0.51	83,83,83,83	0
56	MG	QA	1873	1/1	0.44	0.20	91,91,91,91	0
56	MG	YA	3084	1/1	0.44	0.44	101,101,101,101	0
56	MG	RA	3208	1/1	0.44	0.18	89,89,89,89	0
56	MG	RA	3933	1/1	0.44	0.30	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3061	1/1	0.44	0.12	89,89,89,89	0
56	MG	RN	202	1/1	0.44	0.12	102,102,102,102	0
56	MG	QA	1782	1/1	0.44	0.25	98,98,98,98	0
56	MG	QA	1784	1/1	0.44	0.21	96,96,96,96	0
56	MG	YA	3732	1/1	0.44	0.25	86,86,86,86	0
56	MG	QA	1787	1/1	0.44	0.33	89,89,89,89	0
56	MG	YA	3125	1/1	0.44	0.19	81,81,81,81	0
56	MG	RA	3663	1/1	0.44	0.36	103,103,103,103	0
56	MG	YA	3096	1/1	0.44	0.21	87,87,87,87	0
56	MG	QA	1606	1/1	0.44	0.20	88,88,88,88	0
56	MG	RA	3011	1/1	0.44	0.23	93,93,93,93	0
56	MG	YA	3333	1/1	0.44	0.30	85,85,85,85	0
56	MG	YA	3264	1/1	0.44	0.24	93,93,93,93	0
56	MG	R9	101	1/1	0.44	0.45	100,100,100,100	0
56	MG	RA	3032	1/1	0.44	0.16	92,92,92,92	0
56	MG	RA	3975	1/1	0.45	0.55	98,98,98,98	0
56	MG	RA	3386	1/1	0.45	0.42	76,76,76,76	0
56	MG	YA	3699	1/1	0.45	0.22	77,77,77,77	0
56	MG	QA	1710	1/1	0.45	0.42	74,74,74,74	0
56	MG	RA	3473	1/1	0.45	0.19	80,80,80,80	0
56	MG	RA	3535	1/1	0.45	0.32	97,97,97,97	0
56	MG	YA	3464	1/1	0.45	0.52	79,79,79,79	0
56	MG	RA	3051	1/1	0.45	0.59	97,97,97,97	0
56	MG	QA	1821	1/1	0.45	0.30	89,89,89,89	0
56	MG	RA	3294	1/1	0.45	0.16	108,108,108,108	0
56	MG	YA	3721	1/1	0.45	0.34	74,74,74,74	0
56	MG	YA	3501	1/1	0.45	0.26	74,74,74,74	0
56	MG	RA	3445	1/1	0.45	0.64	81,81,81,81	0
56	MG	QA	1687	1/1	0.45	0.42	94,94,94,94	0
56	MG	RA	3764	1/1	0.45	0.24	77,77,77,77	0
56	MG	QA	1852	1/1	0.46	0.48	84,84,84,84	0
56	MG	XA	1782	1/1	0.46	0.47	79,79,79,79	0
56	MG	RA	3955	1/1	0.46	0.44	90,90,90,90	0
56	MG	QQ	202	1/1	0.46	0.18	92,92,92,92	0
56	MG	QA	1604	1/1	0.46	0.16	96,96,96,96	0
56	MG	RA	3642	1/1	0.46	0.27	92,92,92,92	0
56	MG	YA	3592	1/1	0.46	0.21	78,78,78,78	0
56	MG	RA	3177	1/1	0.46	0.28	83,83,83,83	0
56	MG	YA	3695	1/1	0.46	0.42	88,88,88,88	0
56	MG	QA	1770	1/1	0.46	0.17	91,91,91,91	0
56	MG	YA	3513	1/1	0.46	0.22	81,81,81,81	0
56	MG	XA	1650	1/1	0.46	0.33	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3919	1/1	0.46	0.41	83,83,83,83	0
56	MG	XA	1714	1/1	0.46	0.27	76,76,76,76	0
56	MG	YA	3627	1/1	0.46	0.19	82,82,82,82	0
56	MG	RA	3145	1/1	0.46	0.28	71,71,71,71	0
56	MG	RA	3365	1/1	0.46	0.22	88,88,88,88	0
56	MG	QY	401	1/1	0.46	0.36	90,90,90,90	0
56	MG	RA	3521	1/1	0.46	0.30	69,69,69,69	0
56	MG	RA	3134	1/1	0.47	0.32	96,96,96,96	0
56	MG	QA	1786	1/1	0.47	0.22	80,80,80,80	0
56	MG	XA	1710	1/1	0.47	0.31	78,78,78,78	0
56	MG	QA	1831	1/1	0.47	0.22	99,99,99,99	0
56	MG	QA	1729	1/1	0.47	0.19	87,87,87,87	0
56	MG	RA	3728	1/1	0.47	0.31	99,99,99,99	0
56	MG	XA	1610	1/1	0.47	0.56	88,88,88,88	0
56	MG	RD	304	1/1	0.47	0.13	75,75,75,75	0
56	MG	YA	3205	1/1	0.47	0.51	86,86,86,86	0
56	MG	RA	3062	1/1	0.47	0.22	84,84,84,84	0
56	MG	RA	3317	1/1	0.47	0.33	82,82,82,82	0
56	MG	RA	3643	1/1	0.47	0.18	88,88,88,88	0
56	MG	YA	3418	1/1	0.47	0.49	90,90,90,90	0
56	MG	YA	3094	1/1	0.47	0.23	77,77,77,77	0
56	MG	YA	3441	1/1	0.47	0.20	80,80,80,80	0
56	MG	XA	1661	1/1	0.47	0.12	95,95,95,95	0
56	MG	RA	3364	1/1	0.47	0.29	74,74,74,74	0
56	MG	RA	3664	1/1	0.47	0.32	91,91,91,91	0
56	MG	YA	3468	1/1	0.47	0.42	62,62,62,62	0
56	MG	YA	3493	1/1	0.47	0.26	86,86,86,86	0
56	MG	RA	3476	1/1	0.47	0.50	78,78,78,78	0
56	MG	RA	3131	1/1	0.47	0.16	88,88,88,88	0
56	MG	RA	3848	1/1	0.47	0.16	91,91,91,91	0
56	MG	RA	4019	1/1	0.47	0.62	103,103,103,103	0
56	MG	RA	3852	1/1	0.47	0.27	90,90,90,90	0
56	MG	QA	1752	1/1	0.47	0.27	94,94,94,94	0
56	MG	RB	203	1/1	0.47	0.27	102,102,102,102	0
56	MG	YA	3099	1/1	0.48	0.34	82,82,82,82	0
56	MG	XA	1703	1/1	0.48	0.17	82,82,82,82	0
56	MG	RA	3362	1/1	0.48	0.18	91,91,91,91	0
56	MG	YA	3257	1/1	0.48	0.33	89,89,89,89	0
56	MG	YA	3495	1/1	0.48	0.34	77,77,77,77	0
56	MG	YA	3752	1/1	0.48	0.45	100,100,100,100	0
56	MG	RA	3274	1/1	0.48	0.21	88,88,88,88	0
56	MG	QA	1615	1/1	0.48	0.13	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3066	1/1	0.48	0.35	104,104,104,104	0
56	MG	YA	3705	1/1	0.48	0.40	78,78,78,78	0
56	MG	RA	3388	1/1	0.48	0.31	96,96,96,96	0
56	MG	RA	3904	1/1	0.48	0.21	80,80,80,80	0
56	MG	XA	1656	1/1	0.48	0.40	85,85,85,85	0
56	MG	XA	1637	1/1	0.48	0.13	86,86,86,86	0
56	MG	RA	3924	1/1	0.48	0.32	89,89,89,89	0
56	MG	XA	1769	1/1	0.48	0.44	77,77,77,77	0
56	MG	XH	201	1/1	0.48	0.29	99,99,99,99	0
56	MG	RA	3609	1/1	0.48	0.20	90,90,90,90	0
56	MG	XJ	201	1/1	0.48	0.20	97,97,97,97	0
56	MG	YA	3106	1/1	0.48	0.33	92,92,92,92	0
56	MG	QA	1796	1/1	0.49	0.17	90,90,90,90	0
56	MG	YA	3233	1/1	0.49	0.56	96,96,96,96	0
56	MG	RA	3199	1/1	0.49	0.19	81,81,81,81	0
56	MG	QA	1807	1/1	0.49	0.20	95,95,95,95	0
56	MG	RF	310	1/1	0.49	0.33	78,78,78,78	0
56	MG	RA	3052	1/1	0.49	0.30	95,95,95,95	0
56	MG	YA	3581	1/1	0.49	0.17	80,80,80,80	0
56	MG	RA	3537	1/1	0.49	0.38	84,84,84,84	0
56	MG	XA	1686	1/1	0.49	0.28	96,96,96,96	0
56	MG	RA	3968	1/1	0.49	0.43	84,84,84,84	0
56	MG	QA	1768	1/1	0.49	0.32	89,89,89,89	0
56	MG	RA	3551	1/1	0.49	0.26	79,79,79,79	0
56	MG	RA	3879	1/1	0.49	0.41	93,93,93,93	0
56	MG	RA	3553	1/1	0.49	0.21	100,100,100,100	0
56	MG	RA	3251	1/1	0.49	0.46	82,82,82,82	0
56	MG	QA	1874	1/1	0.49	0.21	93,93,93,93	0
56	MG	QA	1718	1/1	0.49	0.26	94,94,94,94	0
56	MG	RA	3786	1/1	0.49	0.20	89,89,89,89	0
56	MG	RA	3433	1/1	0.49	0.21	90,90,90,90	0
56	MG	QA	1722	1/1	0.49	0.48	93,93,93,93	0
56	MG	RA	3925	1/1	0.49	0.26	95,95,95,95	0
56	MG	YA	3624	1/1	0.49	0.23	92,92,92,92	0
56	MG	QG	202	1/1	0.49	0.25	87,87,87,87	0
56	MG	QA	1735	1/1	0.50	0.31	93,93,93,93	0
56	MG	XA	1785	1/1	0.50	0.36	82,82,82,82	0
56	MG	XA	1652	1/1	0.50	0.19	92,92,92,92	0
56	MG	XA	1717	1/1	0.50	0.35	82,82,82,82	0
56	MG	RA	3098	1/1	0.50	0.23	68,68,68,68	0
56	MG	RA	3184	1/1	0.50	0.33	92,92,92,92	0
56	MG	RA	3105	1/1	0.50	0.20	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1788	1/1	0.50	0.25	95,95,95,95	0
56	MG	RA	3800	1/1	0.50	0.31	93,93,93,93	0
56	MG	YA	3457	1/1	0.50	0.49	87,87,87,87	0
56	MG	RA	3204	1/1	0.50	0.29	103,103,103,103	0
56	MG	XA	1766	1/1	0.50	0.41	88,88,88,88	0
56	MG	YA	3259	1/1	0.50	0.57	98,98,98,98	0
56	MG	RA	3122	1/1	0.50	0.34	102,102,102,102	0
56	MG	RA	3559	1/1	0.50	0.25	84,84,84,84	0
56	MG	RA	3242	1/1	0.50	0.71	99,99,99,99	0
56	MG	XF	202	1/1	0.50	0.18	96,96,96,96	0
56	MG	RA	3125	1/1	0.50	0.34	93,93,93,93	0
56	MG	RA	3578	1/1	0.50	0.34	90,90,90,90	0
56	MG	YA	3469	1/1	0.50	0.27	91,91,91,91	0
56	MG	YA	3638	1/1	0.50	0.54	64,64,64,64	0
56	MG	RA	3379	1/1	0.50	0.40	62,62,62,62	0
56	MG	QA	1799	1/1	0.50	0.26	99,99,99,99	0
56	MG	YA	3527	1/1	0.50	0.23	74,74,74,74	0
56	MG	YA	3292	1/1	0.50	0.31	74,74,74,74	0
56	MG	RA	3736	1/1	0.50	0.24	85,85,85,85	0
56	MG	YA	3230	1/1	0.51	0.18	92,92,92,92	0
56	MG	QA	1850	1/1	0.51	0.30	78,78,78,78	0
56	MG	RA	3448	1/1	0.51	0.20	87,87,87,87	0
56	MG	RA	3182	1/1	0.51	0.22	97,97,97,97	0
56	MG	XA	1643	1/1	0.51	0.25	81,81,81,81	0
56	MG	YA	3006	1/1	0.51	0.36	82,82,82,82	0
56	MG	YA	3051	1/1	0.51	0.27	82,82,82,82	0
56	MG	QA	1736	1/1	0.51	0.29	82,82,82,82	0
56	MG	RA	3146	1/1	0.51	0.18	68,68,68,68	0
56	MG	RA	3938	1/1	0.51	0.16	78,78,78,78	0
56	MG	RA	3942	1/1	0.51	0.25	95,95,95,95	0
56	MG	YA	3735	1/1	0.51	0.20	85,85,85,85	0
56	MG	RA	3615	1/1	0.51	0.51	62,62,62,62	0
56	MG	RA	3618	1/1	0.51	0.29	88,88,88,88	0
56	MG	YA	3026	1/1	0.51	0.27	84,84,84,84	0
56	MG	YA	3618	1/1	0.51	0.52	82,82,82,82	0
56	MG	YB	206	1/1	0.51	0.26	89,89,89,89	0
56	MG	RF	301	1/1	0.51	1.24	99,99,99,99	0
56	MG	RA	3438	1/1	0.51	0.20	91,91,91,91	0
56	MG	QA	1837	1/1	0.52	0.26	87,87,87,87	0
56	MG	QA	1691	1/1	0.52	0.25	96,96,96,96	0
56	MG	QE	201	1/1	0.52	0.22	95,95,95,95	0
56	MG	RA	3813	1/1	0.52	0.26	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YE	307	1/1	0.52	0.15	85,85,85,85	0
56	MG	YA	3198	1/1	0.52	0.14	88,88,88,88	0
56	MG	XA	1682	1/1	0.52	0.26	83,83,83,83	0
56	MG	YA	3707	1/1	0.52	0.23	82,82,82,82	0
56	MG	RU	202	1/1	0.52	0.19	94,94,94,94	0
56	MG	YA	3332	1/1	0.52	0.27	62,62,62,62	0
56	MG	QA	1789	1/1	0.52	0.30	85,85,85,85	0
56	MG	QA	1637	1/1	0.52	0.23	85,85,85,85	0
56	MG	XA	1775	1/1	0.52	0.58	98,98,98,98	0
56	MG	XA	1735	1/1	0.52	0.19	83,83,83,83	0
56	MG	QA	1644	1/1	0.52	0.22	95,95,95,95	0
56	MG	RA	3877	1/1	0.52	0.56	74,74,74,74	0
56	MG	QA	1876	1/1	0.52	0.27	80,80,80,80	0
56	MG	RA	3960	1/1	0.52	0.31	92,92,92,92	0
56	MG	RA	3633	1/1	0.52	0.29	93,93,93,93	0
56	MG	YA	3355	1/1	0.52	0.54	62,62,62,62	0
56	MG	YA	3428	1/1	0.53	0.33	104,104,104,104	0
56	MG	RA	3885	1/1	0.53	0.51	98,98,98,98	0
56	MG	RA	3284	1/1	0.53	0.26	87,87,87,87	0
56	MG	RA	3401	1/1	0.53	0.53	62,62,62,62	0
56	MG	QA	1843	1/1	0.53	0.39	68,68,68,68	0
56	MG	XA	1638	1/1	0.53	0.34	98,98,98,98	0
56	MG	RA	3763	1/1	0.53	0.14	77,77,77,77	0
56	MG	YI	201	1/1	0.53	0.11	94,94,94,94	0
56	MG	YA	3486	1/1	0.53	0.26	105,105,105,105	0
56	MG	RA	3527	1/1	0.53	0.32	73,73,73,73	0
56	MG	YA	3092	1/1	0.53	0.21	85,85,85,85	0
56	MG	QA	1858	1/1	0.53	0.28	86,86,86,86	0
56	MG	RA	3792	1/1	0.53	0.29	87,87,87,87	0
56	MG	QA	1860	1/1	0.53	0.39	92,92,92,92	0
56	MG	QA	1863	1/1	0.53	0.31	81,81,81,81	0
56	MG	YB	210	1/1	0.53	0.29	88,88,88,88	0
56	MG	RP	201	1/1	0.53	0.72	86,86,86,86	0
56	MG	YB	214	1/1	0.53	0.23	78,78,78,78	0
56	MG	RA	3812	1/1	0.53	0.20	76,76,76,76	0
56	MG	YA	3160	1/1	0.53	0.31	88,88,88,88	0
56	MG	RA	3823	1/1	0.53	0.27	73,73,73,73	0
56	MG	RA	3218	1/1	0.53	0.12	88,88,88,88	0
56	MG	YA	3481	1/1	0.53	0.46	79,79,79,79	0
56	MG	YA	3300	1/1	0.53	0.15	91,91,91,91	0
56	MG	RA	3133	1/1	0.53	0.18	85,85,85,85	0
56	MG	RA	3248	1/1	0.53	0.26	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3039	1/1	0.53	0.29	97,97,97,97	0
56	MG	YA	3507	1/1	0.53	0.40	80,80,80,80	0
56	MG	QA	1805	1/1	0.53	0.30	76,76,76,76	0
56	MG	RA	3380	1/1	0.53	0.45	64,64,64,64	0
56	MG	XA	1624	1/1	0.53	0.30	85,85,85,85	0
56	MG	XA	1625	1/1	0.53	0.17	90,90,90,90	0
56	MG	YA	3688	1/1	0.54	0.28	72,72,72,72	0
56	MG	RA	3141	1/1	0.54	0.70	92,92,92,92	0
56	MG	YA	3346	1/1	0.54	0.28	79,79,79,79	0
56	MG	YA	3405	1/1	0.54	0.28	71,71,71,71	0
56	MG	RA	3873	1/1	0.54	0.31	77,77,77,77	0
56	MG	YA	3295	1/1	0.54	0.38	62,62,62,62	0
56	MG	RA	3337	1/1	0.54	0.29	92,92,92,92	0
56	MG	YA	3465	1/1	0.54	0.43	85,85,85,85	0
56	MG	YA	3033	1/1	0.54	0.86	99,99,99,99	0
56	MG	QA	1679	1/1	0.54	0.20	87,87,87,87	0
56	MG	RA	3253	1/1	0.54	0.34	81,81,81,81	0
56	MG	QA	1774	1/1	0.54	0.37	84,84,84,84	0
56	MG	RA	4012	1/1	0.54	0.36	103,103,103,103	0
56	MG	RA	3808	1/1	0.54	0.67	85,85,85,85	0
56	MG	YA	3086	1/1	0.54	0.38	92,92,92,92	0
56	MG	YA	3656	1/1	0.54	0.30	78,78,78,78	0
56	MG	QA	1846	1/1	0.54	0.20	92,92,92,92	0
56	MG	YA	3335	1/1	0.54	0.64	62,62,62,62	0
56	MG	YA	3613	1/1	0.54	0.23	75,75,75,75	0
56	MG	YA	3122	1/1	0.54	0.33	82,82,82,82	0
56	MG	RA	3838	1/1	0.54	0.17	77,77,77,77	0
56	MG	RA	3054	1/1	0.54	0.36	94,94,94,94	0
56	MG	QV	103	1/1	0.54	0.27	86,86,86,86	0
56	MG	RA	3305	1/1	0.54	0.25	73,73,73,73	0
56	MG	XA	1632	1/1	0.54	0.24	84,84,84,84	0
56	MG	XV	103	1/1	0.54	0.27	84,84,84,84	0
56	MG	YA	3365	1/1	0.55	0.46	86,86,86,86	0
56	MG	XE	202	1/1	0.55	0.10	94,94,94,94	0
56	MG	RA	4042	1/1	0.55	0.26	81,81,81,81	0
56	MG	RA	3691	1/1	0.55	0.90	93,93,93,93	0
56	MG	RA	3716	1/1	0.55	0.14	91,91,91,91	0
56	MG	RA	3717	1/1	0.55	0.20	65,65,65,65	0
56	MG	QA	1651	1/1	0.55	0.22	90,90,90,90	0
56	MG	RA	3238	1/1	0.55	0.62	109,109,109,109	0
56	MG	YA	3348	1/1	0.55	0.43	88,88,88,88	0
56	MG	XA	1667	1/1	0.55	0.33	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RB	212	1/1	0.55	0.19	85,85,85,85	0
56	MG	RA	3479	1/1	0.55	0.29	80,80,80,80	0
56	MG	RA	3481	1/1	0.55	0.47	71,71,71,71	0
56	MG	YA	3692	1/1	0.55	0.34	84,84,84,84	0
56	MG	YB	201	1/1	0.55	0.22	103,103,103,103	0
56	MG	YA	3322	1/1	0.55	0.29	64,64,64,64	0
56	MG	RA	3628	1/1	0.55	0.27	89,89,89,89	0
56	MG	YA	3475	1/1	0.55	0.23	65,65,65,65	0
56	MG	YA	3634	1/1	0.55	0.29	86,86,86,86	0
56	MG	RA	3384	1/1	0.55	0.44	67,67,67,67	0
56	MG	RA	3050	1/1	0.55	0.75	89,89,89,89	0
56	MG	YA	3419	1/1	0.55	0.43	77,77,77,77	0
56	MG	RA	3391	1/1	0.55	0.41	74,74,74,74	0
56	MG	QA	1877	1/1	0.55	0.13	92,92,92,92	0
56	MG	XA	1780	1/1	0.55	0.46	74,74,74,74	0
56	MG	QB	301	1/1	0.55	0.21	81,81,81,81	0
56	MG	YA	3506	1/1	0.55	0.27	95,95,95,95	0
56	MG	XA	1691	1/1	0.55	0.29	84,84,84,84	0
56	MG	QA	1629	1/1	0.55	0.42	83,83,83,83	0
56	MG	RA	3183	1/1	0.55	0.28	97,97,97,97	0
56	MG	RA	3814	1/1	0.55	0.38	73,73,73,73	0
56	MG	XA	1692	1/1	0.55	0.30	69,69,69,69	0
56	MG	RA	3963	1/1	0.55	0.20	88,88,88,88	0
56	MG	QG	203	1/1	0.55	0.17	97,97,97,97	0
56	MG	RA	3827	1/1	0.55	0.20	81,81,81,81	0
56	MG	YA	3615	1/1	0.55	0.28	65,65,65,65	0
56	MG	YA	3074	1/1	0.55	0.41	68,68,68,68	0
56	MG	XA	1697	1/1	0.55	0.25	87,87,87,87	0
56	MG	YA	3347	1/1	0.55	0.27	79,79,79,79	0
56	MG	RA	4006	1/1	0.55	0.24	74,74,74,74	0
56	MG	RA	3375	1/1	0.56	0.60	98,98,98,98	0
56	MG	RA	3166	1/1	0.56	0.24	83,83,83,83	0
56	MG	RA	3169	1/1	0.56	0.20	90,90,90,90	0
56	MG	RA	3969	1/1	0.56	0.58	97,97,97,97	0
56	MG	RA	3451	1/1	0.56	0.41	74,74,74,74	0
56	MG	QA	1761	1/1	0.56	0.17	88,88,88,88	0
56	MG	YA	3432	1/1	0.56	0.26	76,76,76,76	0
56	MG	RA	3124	1/1	0.56	0.19	73,73,73,73	0
56	MG	QA	1694	1/1	0.56	0.23	91,91,91,91	0
56	MG	YA	3070	1/1	0.56	0.42	99,99,99,99	0
56	MG	RA	4016	1/1	0.56	0.20	87,87,87,87	0
56	MG	QA	1724	1/1	0.56	0.52	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3340	1/1	0.56	0.33	82,82,82,82	0
56	MG	RA	3410	1/1	0.56	0.32	70,70,70,70	0
56	MG	YA	3403	1/1	0.56	0.28	81,81,81,81	0
56	MG	QA	1748	1/1	0.56	0.33	98,98,98,98	0
56	MG	XA	1675	1/1	0.56	0.17	90,90,90,90	0
56	MG	YA	3395	1/1	0.56	0.27	63,63,63,63	0
56	MG	QA	1835	1/1	0.56	0.41	72,72,72,72	0
56	MG	RA	3581	1/1	0.56	0.28	97,97,97,97	0
56	MG	RA	3776	1/1	0.56	0.40	86,86,86,86	0
56	MG	XA	1601	1/1	0.56	0.40	93,93,93,93	0
56	MG	YA	3477	1/1	0.56	0.26	77,77,77,77	0
56	MG	RA	3601	1/1	0.56	0.24	83,83,83,83	0
56	MG	YA	3460	1/1	0.56	0.39	85,85,85,85	0
56	MG	YA	3064	1/1	0.57	0.21	86,86,86,86	0
56	MG	QA	1839	1/1	0.57	0.29	79,79,79,79	0
56	MG	YA	3117	1/1	0.57	0.21	87,87,87,87	0
56	MG	QA	1773	1/1	0.57	0.21	78,78,78,78	0
56	MG	YA	3730	1/1	0.57	0.31	80,80,80,80	0
56	MG	YA	3284	1/1	0.57	0.51	63,63,63,63	0
56	MG	QA	1686	1/1	0.57	0.14	89,89,89,89	0
56	MG	YA	3636	1/1	0.57	0.45	72,72,72,72	0
56	MG	RA	3907	1/1	0.57	0.34	70,70,70,70	0
56	MG	XA	1684	1/1	0.57	0.34	70,70,70,70	0
56	MG	RA	3047	1/1	0.57	0.15	66,66,66,66	0
56	MG	YA	3143	1/1	0.57	0.52	106,106,106,106	0
56	MG	RA	3259	1/1	0.57	0.19	86,86,86,86	0
56	MG	RA	3729	1/1	0.57	0.47	82,82,82,82	0
56	MG	RA	3346	1/1	0.57	0.40	83,83,83,83	0
56	MG	RA	3354	1/1	0.57	0.20	70,70,70,70	0
56	MG	R1	102	1/1	0.57	0.38	83,83,83,83	0
56	MG	RA	3565	1/1	0.57	0.24	103,103,103,103	0
56	MG	YA	3433	1/1	0.57	0.21	97,97,97,97	0
56	MG	R5	102	1/1	0.57	0.43	97,97,97,97	0
56	MG	RA	3748	1/1	0.57	0.35	86,86,86,86	0
56	MG	YA	3701	1/1	0.57	0.51	62,62,62,62	0
56	MG	RA	3429	1/1	0.57	0.23	98,98,98,98	0
56	MG	YA	3204	1/1	0.57	0.40	89,89,89,89	0
56	MG	YA	3472	1/1	0.57	0.40	82,82,82,82	0
56	MG	XA	1793	1/1	0.57	0.28	94,94,94,94	0
56	MG	YA	3397	1/1	0.57	0.22	75,75,75,75	0
56	MG	YA	3497	1/1	0.58	0.19	95,95,95,95	0
56	MG	YA	3524	1/1	0.58	0.39	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3586	1/1	0.58	0.26	76,76,76,76	0
56	MG	QA	1692	1/1	0.58	0.62	98,98,98,98	0
56	MG	QA	1693	1/1	0.58	0.31	87,87,87,87	0
56	MG	YA	3498	1/1	0.58	0.20	89,89,89,89	0
56	MG	RA	3576	1/1	0.58	0.25	92,92,92,92	0
56	MG	XA	1619	1/1	0.58	0.41	76,76,76,76	0
56	MG	RA	3352	1/1	0.58	0.35	97,97,97,97	0
56	MG	YA	3703	1/1	0.58	0.25	90,90,90,90	0
56	MG	QA	1847	1/1	0.58	0.29	94,94,94,94	0
56	MG	YA	3593	1/1	0.58	0.22	87,87,87,87	0
56	MG	RA	3897	1/1	0.58	0.34	72,72,72,72	0
56	MG	XA	1662	1/1	0.58	0.19	97,97,97,97	0
56	MG	YA	3013	1/1	0.58	0.27	72,72,72,72	0
56	MG	YA	3025	1/1	0.58	0.26	74,74,74,74	0
56	MG	YA	3480	1/1	0.58	0.31	62,62,62,62	0
56	MG	YA	3104	1/1	0.58	0.17	69,69,69,69	0
56	MG	RA	3620	1/1	0.58	0.35	81,81,81,81	0
56	MG	QA	1672	1/1	0.58	0.47	85,85,85,85	0
56	MG	RA	3781	1/1	0.58	0.36	90,90,90,90	0
56	MG	RA	3142	1/1	0.58	0.12	85,85,85,85	0
56	MG	RA	3376	1/1	0.58	0.29	78,78,78,78	0
56	MG	QA	1866	1/1	0.58	0.28	90,90,90,90	0
56	MG	QA	1765	1/1	0.58	0.23	80,80,80,80	0
56	MG	RA	3941	1/1	0.58	0.17	87,87,87,87	0
56	MG	RA	3791	1/1	0.58	0.14	84,84,84,84	0
56	MG	YA	3557	1/1	0.58	0.28	66,66,66,66	0
56	MG	YA	3370	1/1	0.58	0.28	66,66,66,66	0
56	MG	RA	3505	1/1	0.58	0.36	68,68,68,68	0
56	MG	YA	3521	1/1	0.58	0.34	97,97,97,97	0
56	MG	YA	3694	1/1	0.58	0.47	82,82,82,82	0
56	MG	XA	1605	1/1	0.58	0.39	96,96,96,96	0
56	MG	RA	3170	1/1	0.58	0.21	86,86,86,86	0
56	MG	XA	1687	1/1	0.58	0.16	90,90,90,90	0
56	MG	RA	3402	1/1	0.58	0.17	80,80,80,80	0
56	MG	RA	3296	1/1	0.58	0.13	91,91,91,91	0
56	MG	RA	3299	1/1	0.58	0.19	68,68,68,68	0
56	MG	RA	3175	1/1	0.58	0.31	78,78,78,78	0
56	MG	QA	1880	1/1	0.58	0.15	102,102,102,102	0
56	MG	QA	1619	1/1	0.58	0.20	95,95,95,95	0
56	MG	RA	3996	1/1	0.58	0.25	89,89,89,89	0
56	MG	QA	1780	1/1	0.58	0.45	80,80,80,80	0
56	MG	RA	4002	1/1	0.58	0.40	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3460	1/1	0.59	0.38	79,79,79,79	0
56	MG	QA	1809	1/1	0.59	0.32	86,86,86,86	0
56	MG	YA	3245	1/1	0.59	0.15	88,88,88,88	0
56	MG	RA	3466	1/1	0.59	0.36	62,62,62,62	0
56	MG	RA	3085	1/1	0.59	0.35	91,91,91,91	0
56	MG	RA	4058	1/1	0.59	0.79	96,96,96,96	0
56	MG	XA	1648	1/1	0.59	0.22	89,89,89,89	0
56	MG	RA	3477	1/1	0.59	0.40	63,63,63,63	0
56	MG	RA	3281	1/1	0.59	0.24	90,90,90,90	0
56	MG	YA	3562	1/1	0.59	0.23	82,82,82,82	0
56	MG	RA	3740	1/1	0.59	0.32	85,85,85,85	0
56	MG	RA	3285	1/1	0.59	1.17	108,108,108,108	0
56	MG	RA	3612	1/1	0.59	0.18	80,80,80,80	0
56	MG	YA	3247	1/1	0.59	0.25	80,80,80,80	0
56	MG	YA	3276	1/1	0.59	0.25	77,77,77,77	0
56	MG	RB	220	1/1	0.59	0.46	75,75,75,75	0
56	MG	RA	3487	1/1	0.59	0.43	83,83,83,83	0
56	MG	YA	3344	1/1	0.59	0.23	90,90,90,90	0
56	MG	XA	1618	1/1	0.59	0.23	81,81,81,81	0
56	MG	RD	308	1/1	0.59	0.31	83,83,83,83	0
56	MG	RA	3028	1/1	0.59	0.21	84,84,84,84	0
56	MG	YA	3500	1/1	0.59	0.17	84,84,84,84	0
56	MG	YA	3373	1/1	0.59	0.25	71,71,71,71	0
56	MG	XA	1740	1/1	0.59	0.40	70,70,70,70	0
56	MG	XA	1659	1/1	0.59	0.22	88,88,88,88	0
56	MG	RA	3520	1/1	0.59	0.25	91,91,91,91	0
56	MG	YA	3649	1/1	0.59	0.41	79,79,79,79	0
56	MG	RA	3324	1/1	0.59	0.57	62,62,62,62	0
56	MG	YA	3231	1/1	0.59	0.19	93,93,93,93	0
56	MG	RA	3219	1/1	0.59	0.52	88,88,88,88	0
56	MG	RA	3042	1/1	0.59	0.21	92,92,92,92	0
56	MG	RA	3951	1/1	0.59	0.30	85,85,85,85	0
56	MG	RA	3810	1/1	0.59	0.22	79,79,79,79	0
56	MG	XA	1702	1/1	0.59	0.33	75,75,75,75	0
56	MG	YA	3177	1/1	0.59	0.35	95,95,95,95	0
56	MG	RA	3343	1/1	0.59	0.25	80,80,80,80	0
56	MG	RA	3541	1/1	0.59	0.27	87,87,87,87	0
56	MG	RA	3245	1/1	0.59	0.16	86,86,86,86	0
56	MG	YA	3668	1/1	0.59	0.44	62,62,62,62	0
56	MG	YA	3236	1/1	0.59	0.21	80,80,80,80	0
56	MG	YA	3056	1/1	0.59	0.34	86,86,86,86	0
56	MG	RA	3829	1/1	0.59	0.10	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3832	1/1	0.59	0.30	84,84,84,84	0
56	MG	YA	3623	1/1	0.59	0.25	65,65,65,65	0
56	MG	YA	3559	1/1	0.59	0.41	80,80,80,80	0
56	MG	QA	1808	1/1	0.59	0.13	74,74,74,74	0
56	MG	RA	3844	1/1	0.59	0.20	100,100,100,100	0
56	MG	QE	202	1/1	0.60	0.12	88,88,88,88	0
56	MG	YA	3017	1/1	0.60	0.27	91,91,91,91	0
56	MG	QA	1711	1/1	0.60	0.35	78,78,78,78	0
56	MG	RA	3703	1/1	0.60	0.36	95,95,95,95	0
56	MG	YA	3645	1/1	0.60	0.33	88,88,88,88	0
56	MG	YA	3286	1/1	0.60	0.29	80,80,80,80	0
56	MG	RA	3718	1/1	0.60	0.45	65,65,65,65	0
56	MG	RA	3319	1/1	0.60	0.34	69,69,69,69	0
56	MG	RA	3563	1/1	0.60	0.23	87,87,87,87	0
56	MG	RA	3191	1/1	0.60	0.32	90,90,90,90	0
56	MG	RA	3497	1/1	0.60	0.41	62,62,62,62	0
56	MG	YA	3424	1/1	0.60	0.33	70,70,70,70	0
56	MG	RP	202	1/1	0.60	0.11	98,98,98,98	0
56	MG	YA	3100	1/1	0.60	0.24	78,78,78,78	0
56	MG	YA	3508	1/1	0.60	0.32	83,83,83,83	0
56	MG	RA	3653	1/1	0.60	0.35	100,100,100,100	0
56	MG	RA	3200	1/1	0.60	0.26	85,85,85,85	0
56	MG	YA	3040	1/1	0.60	0.29	88,88,88,88	0
56	MG	RA	4020	1/1	0.60	0.24	91,91,91,91	0
56	MG	RA	3158	1/1	0.60	0.29	81,81,81,81	0
56	MG	RA	4053	1/1	0.60	0.34	103,103,103,103	0
56	MG	RA	3164	1/1	0.60	0.22	100,100,100,100	0
56	MG	RA	3754	1/1	0.60	0.44	62,62,62,62	0
56	MG	YA	3313	1/1	0.60	0.35	89,89,89,89	0
56	MG	YA	3576	1/1	0.60	0.38	74,74,74,74	0
56	MG	XA	1750	1/1	0.60	0.36	85,85,85,85	0
56	MG	RA	3226	1/1	0.60	0.84	113,113,113,113	0
56	MG	RA	3946	1/1	0.60	0.35	67,67,67,67	0
56	MG	QV	101	1/1	0.60	0.11	86,86,86,86	0
56	MG	RA	3849	1/1	0.60	0.48	85,85,85,85	0
56	MG	XA	1754	1/1	0.60	0.31	88,88,88,88	0
56	MG	RA	3859	1/1	0.60	0.45	89,89,89,89	0
56	MG	YG	202	1/1	0.60	0.12	92,92,92,92	0
56	MG	RA	3881	1/1	0.61	0.16	80,80,80,80	0
56	MG	Y6	102	1/1	0.61	0.25	102,102,102,102	0
56	MG	YA	3007	1/1	0.61	0.31	69,69,69,69	0
56	MG	RA	3778	1/1	0.61	0.92	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3458	1/1	0.61	0.31	84,84,84,84	0
56	MG	RA	3224	1/1	0.61	0.15	93,93,93,93	0
56	MG	YA	3176	1/1	0.61	0.25	78,78,78,78	0
56	MG	YA	3654	1/1	0.61	0.28	91,91,91,91	0
56	MG	RB	209	1/1	0.61	0.10	76,76,76,76	0
56	MG	RA	3236	1/1	0.61	0.37	97,97,97,97	0
56	MG	YA	3423	1/1	0.61	0.20	83,83,83,83	0
56	MG	RA	3662	1/1	0.61	0.27	94,94,94,94	0
56	MG	RB	219	1/1	0.61	0.21	73,73,73,73	0
56	MG	RA	3475	1/1	0.61	0.19	82,82,82,82	0
56	MG	RA	3560	1/1	0.61	0.33	97,97,97,97	0
56	MG	YA	3229	1/1	0.61	0.39	83,83,83,83	0
56	MG	QA	1868	1/1	0.61	0.43	82,82,82,82	0
56	MG	RD	306	1/1	0.61	0.15	84,84,84,84	0
56	MG	YA	3134	1/1	0.61	0.14	73,73,73,73	0
56	MG	RA	3399	1/1	0.61	0.57	62,62,62,62	0
56	MG	XA	1685	1/1	0.61	0.37	62,62,62,62	0
56	MG	YA	3535	1/1	0.61	0.31	69,69,69,69	0
56	MG	YA	3719	1/1	0.61	0.21	89,89,89,89	0
56	MG	RA	3404	1/1	0.61	0.38	71,71,71,71	0
56	MG	YA	3583	1/1	0.61	0.25	74,74,74,74	0
56	MG	RA	3592	1/1	0.61	0.32	93,93,93,93	0
56	MG	YA	3306	1/1	0.61	0.25	87,87,87,87	0
56	MG	YA	3179	1/1	0.61	0.31	102,102,102,102	0
56	MG	RA	3417	1/1	0.61	0.25	89,89,89,89	0
56	MG	RA	3129	1/1	0.61	0.24	91,91,91,91	0
56	MG	QA	1613	1/1	0.61	0.15	98,98,98,98	0
56	MG	YA	3113	1/1	0.61	0.25	79,79,79,79	0
56	MG	RA	3361	1/1	0.61	0.42	82,82,82,82	0
56	MG	RA	3513	1/1	0.61	0.40	87,87,87,87	0
56	MG	YA	3602	1/1	0.61	0.56	75,75,75,75	0
56	MG	QA	1626	1/1	0.61	0.15	87,87,87,87	0
56	MG	RA	3523	1/1	0.61	0.25	94,94,94,94	0
56	MG	XA	1636	1/1	0.61	0.26	68,68,68,68	0
56	MG	RA	3862	1/1	0.61	0.20	75,75,75,75	0
56	MG	YA	3173	1/1	0.61	0.28	99,99,99,99	0
56	MG	XA	1669	1/1	0.61	0.32	106,106,106,106	0
56	MG	RA	4010	1/1	0.61	0.19	79,79,79,79	0
56	MG	QA	1772	1/1	0.61	0.23	96,96,96,96	0
56	MG	RA	3875	1/1	0.61	0.53	62,62,62,62	0
56	MG	RA	3758	1/1	0.61	0.27	93,93,93,93	0
56	MG	RA	3759	1/1	0.61	0.27	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	4024	1/1	0.61	0.26	98,98,98,98	0
56	MG	RA	3639	1/1	0.61	0.35	82,82,82,82	0
56	MG	RA	3533	1/1	0.62	0.17	89,89,89,89	0
56	MG	YA	3589	1/1	0.62	0.38	62,62,62,62	0
56	MG	RA	3835	1/1	0.62	0.20	89,89,89,89	0
56	MG	XA	1683	1/1	0.62	0.21	76,76,76,76	0
56	MG	RA	3742	1/1	0.62	0.21	88,88,88,88	0
56	MG	YA	3248	1/1	0.62	0.27	88,88,88,88	0
56	MG	YA	3163	1/1	0.62	0.23	99,99,99,99	0
56	MG	YA	3642	1/1	0.62	0.24	69,69,69,69	0
56	MG	YA	3382	1/1	0.62	0.46	62,62,62,62	0
56	MG	YA	3010	1/1	0.62	0.34	84,84,84,84	0
56	MG	RA	3055	1/1	0.62	0.70	112,112,112,112	0
56	MG	YA	3604	1/1	0.62	0.37	66,66,66,66	0
56	MG	YA	3519	1/1	0.62	0.20	72,72,72,72	0
56	MG	YA	3049	1/1	0.62	0.22	85,85,85,85	0
56	MG	XA	1660	1/1	0.62	0.13	91,91,91,91	0
56	MG	RA	3409	1/1	0.62	0.24	65,65,65,65	0
56	MG	RA	3779	1/1	0.62	0.51	71,71,71,71	0
56	MG	RA	3989	1/1	0.62	0.27	84,84,84,84	0
56	MG	QA	1697	1/1	0.62	0.14	88,88,88,88	0
56	MG	YA	3454	1/1	0.62	0.39	94,94,94,94	0
56	MG	RQ	203	1/1	0.62	0.44	96,96,96,96	0
56	MG	XA	1746	1/1	0.62	0.39	62,62,62,62	0
56	MG	YA	3336	1/1	0.62	0.54	62,62,62,62	0
56	MG	XA	1635	1/1	0.62	0.18	70,70,70,70	0
56	MG	RA	3583	1/1	0.62	0.29	79,79,79,79	0
56	MG	YA	3401	1/1	0.62	0.50	62,62,62,62	0
56	MG	QA	1655	1/1	0.62	0.25	93,93,93,93	0
56	MG	RA	3432	1/1	0.62	0.27	77,77,77,77	0
56	MG	QA	1810	1/1	0.62	0.45	81,81,81,81	0
56	MG	RA	4029	1/1	0.62	0.39	62,62,62,62	0
56	MG	YA	3579	1/1	0.62	0.36	62,62,62,62	0
56	MG	QA	1661	1/1	0.62	0.47	85,85,85,85	0
56	MG	RA	3194	1/1	0.62	0.43	99,99,99,99	0
56	MG	YX	101	1/1	0.62	0.35	69,69,69,69	0
56	MG	QA	1668	1/1	0.62	0.15	92,92,92,92	0
56	MG	YA	3338	1/1	0.62	0.33	85,85,85,85	0
56	MG	RA	3726	1/1	0.62	0.21	74,74,74,74	0
56	MG	YA	3119	1/1	0.62	0.30	68,68,68,68	0
56	MG	YA	3321	1/1	0.62	0.40	62,62,62,62	0
56	MG	RA	3455	1/1	0.62	0.26	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3202	1/1	0.63	0.31	82,82,82,82	0
56	MG	YA	3271	1/1	0.63	0.40	67,67,67,67	0
56	MG	YA	3503	1/1	0.63	0.30	67,67,67,67	0
56	MG	YA	3710	1/1	0.63	0.41	80,80,80,80	0
56	MG	RA	3741	1/1	0.63	0.27	92,92,92,92	0
56	MG	YA	3716	1/1	0.63	0.28	87,87,87,87	0
56	MG	YA	3529	1/1	0.63	0.21	72,72,72,72	0
56	MG	RA	3548	1/1	0.63	0.33	109,109,109,109	0
56	MG	YA	3677	1/1	0.63	0.48	79,79,79,79	0
56	MG	XA	1757	1/1	0.63	0.34	76,76,76,76	0
56	MG	RA	3342	1/1	0.63	0.34	79,79,79,79	0
56	MG	RB	228	1/1	0.63	0.10	92,92,92,92	0
56	MG	RA	3958	1/1	0.63	0.18	80,80,80,80	0
56	MG	YA	3504	1/1	0.63	0.26	93,93,93,93	0
56	MG	XA	1673	1/1	0.63	0.13	89,89,89,89	0
56	MG	YA	3723	1/1	0.63	0.38	89,89,89,89	0
56	MG	YW	201	1/1	0.63	0.58	98,98,98,98	0
56	MG	XA	1776	1/1	0.63	0.28	80,80,80,80	0
56	MG	RA	3568	1/1	0.63	0.21	89,89,89,89	0
56	MG	YA	3293	1/1	0.63	0.38	65,65,65,65	0
56	MG	RA	3189	1/1	0.63	0.93	109,109,109,109	0
56	MG	YA	3193	1/1	0.63	0.17	85,85,85,85	0
56	MG	RA	3984	1/1	0.63	0.18	87,87,87,87	0
56	MG	YA	3552	1/1	0.63	0.27	65,65,65,65	0
56	MG	RA	3994	1/1	0.63	0.17	91,91,91,91	0
56	MG	YA	3741	1/1	0.63	0.66	96,96,96,96	0
56	MG	YA	3473	1/1	0.63	0.36	82,82,82,82	0
56	MG	YA	3488	1/1	0.63	0.26	77,77,77,77	0
56	MG	RA	4004	1/1	0.63	0.35	64,64,64,64	0
56	MG	RA	3516	1/1	0.63	0.40	84,84,84,84	0
56	MG	QA	1829	1/1	0.63	0.27	81,81,81,81	0
56	MG	RA	3602	1/1	0.63	1.00	97,97,97,97	0
56	MG	RA	3707	1/1	0.63	0.26	73,73,73,73	0
56	MG	QA	1635	1/1	0.63	0.14	77,77,77,77	0
56	MG	QA	1833	1/1	0.63	0.61	106,106,106,106	0
56	MG	RA	4022	1/1	0.63	0.43	77,77,77,77	0
56	MG	YA	3171	1/1	0.63	0.25	90,90,90,90	0
56	MG	YA	3366	1/1	0.63	0.20	95,95,95,95	0
56	MG	RA	4037	1/1	0.63	0.85	95,95,95,95	0
56	MG	RA	3921	1/1	0.63	0.41	63,63,63,63	0
56	MG	YA	3023	1/1	0.63	0.18	80,80,80,80	0
56	MG	RA	3221	1/1	0.63	0.27	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3531	1/1	0.63	0.19	90,90,90,90	0
56	MG	RA	3927	1/1	0.63	0.34	91,91,91,91	0
56	MG	YA	3188	1/1	0.63	0.21	92,92,92,92	0
56	MG	XA	1751	1/1	0.64	0.37	87,87,87,87	0
56	MG	YA	3108	1/1	0.64	0.24	90,90,90,90	0
56	MG	RA	3948	1/1	0.64	0.23	64,64,64,64	0
56	MG	YA	3652	1/1	0.64	0.30	79,79,79,79	0
56	MG	RA	3471	1/1	0.64	0.38	74,74,74,74	0
56	MG	RA	3228	1/1	0.64	0.25	104,104,104,104	0
56	MG	RA	3318	1/1	0.64	0.29	71,71,71,71	0
56	MG	RA	3068	1/1	0.64	0.23	91,91,91,91	0
56	MG	RA	3322	1/1	0.64	0.10	93,93,93,93	0
56	MG	YB	208	1/1	0.64	0.16	93,93,93,93	0
56	MG	RA	3003	1/1	0.64	0.17	91,91,91,91	0
56	MG	RA	3861	1/1	0.64	0.41	62,62,62,62	0
56	MG	QA	1824	1/1	0.64	0.38	69,69,69,69	0
56	MG	XA	1763	1/1	0.64	0.26	70,70,70,70	0
56	MG	RA	3869	1/1	0.64	0.32	88,88,88,88	0
56	MG	RA	3971	1/1	0.64	0.41	63,63,63,63	0
56	MG	YB	209	1/1	0.64	0.39	102,102,102,102	0
56	MG	YA	3693	1/1	0.64	0.29	70,70,70,70	0
56	MG	YA	3629	1/1	0.64	0.37	80,80,80,80	0
56	MG	RA	3983	1/1	0.64	0.23	91,91,91,91	0
56	MG	YA	3349	1/1	0.64	0.34	62,62,62,62	0
56	MG	YA	3178	1/1	0.64	0.30	78,78,78,78	0
56	MG	RA	3574	1/1	0.64	0.74	90,90,90,90	0
56	MG	RA	3034	1/1	0.64	0.22	97,97,97,97	0
56	MG	XA	1646	1/1	0.64	0.20	104,104,104,104	0
56	MG	QA	1804	1/1	0.64	0.21	85,85,85,85	0
56	MG	RA	3504	1/1	0.64	0.27	62,62,62,62	0
56	MG	YA	3145	1/1	0.64	0.18	88,88,88,88	0
56	MG	YA	3289	1/1	0.64	0.58	92,92,92,92	0
56	MG	RA	3599	1/1	0.64	0.42	99,99,99,99	0
56	MG	RA	3806	1/1	0.64	0.25	90,90,90,90	0
56	MG	RA	3435	1/1	0.64	0.30	75,75,75,75	0
56	MG	YA	3676	1/1	0.64	0.48	63,63,63,63	0
56	MG	RA	3920	1/1	0.64	0.47	80,80,80,80	0
56	MG	RA	3519	1/1	0.64	0.38	86,86,86,86	0
56	MG	YA	3328	1/1	0.64	0.63	62,62,62,62	0
56	MG	RA	3291	1/1	0.64	0.33	81,81,81,81	0
56	MG	QA	1737	1/1	0.64	0.20	88,88,88,88	0
56	MG	YA	3742	1/1	0.64	0.34	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3003	1/1	0.64	0.28	70,70,70,70	0
56	MG	QA	1849	1/1	0.64	0.44	76,76,76,76	0
56	MG	QV	104	1/1	0.64	0.38	79,79,79,79	0
56	MG	YA	3197	1/1	0.64	0.48	93,93,93,93	0
56	MG	RA	3300	1/1	0.64	0.41	100,100,100,100	0
56	MG	QA	1778	1/1	0.64	0.33	88,88,88,88	0
56	MG	RA	3075	1/1	0.65	0.23	76,76,76,76	0
56	MG	RA	3077	1/1	0.65	0.19	80,80,80,80	0
56	MG	RA	3079	1/1	0.65	0.56	111,111,111,111	0
56	MG	YG	203	1/1	0.65	0.14	91,91,91,91	0
56	MG	RA	3089	1/1	0.65	0.16	91,91,91,91	0
56	MG	QA	1813	1/1	0.65	0.10	90,90,90,90	0
56	MG	RA	3002	1/1	0.65	0.29	67,67,67,67	0
56	MG	RA	3188	1/1	0.65	0.35	104,104,104,104	0
56	MG	YA	3505	1/1	0.65	0.31	88,88,88,88	0
56	MG	RA	3739	1/1	0.65	0.25	69,69,69,69	0
56	MG	RA	3621	1/1	0.65	0.13	95,95,95,95	0
56	MG	YA	3239	1/1	0.65	0.66	98,98,98,98	0
56	MG	YA	3310	1/1	0.65	0.51	80,80,80,80	0
56	MG	YA	3235	1/1	0.65	0.23	93,93,93,93	0
56	MG	RA	3746	1/1	0.65	0.28	62,62,62,62	0
56	MG	XT	201	1/1	0.65	0.40	93,93,93,93	0
56	MG	YA	3372	1/1	0.65	0.41	69,69,69,69	0
56	MG	YA	3250	1/1	0.65	0.20	103,103,103,103	0
56	MG	RA	3545	1/1	0.65	0.28	85,85,85,85	0
56	MG	QA	1783	1/1	0.65	0.23	63,63,63,63	0
56	MG	QA	1704	1/1	0.65	0.16	89,89,89,89	0
56	MG	RA	3309	1/1	0.65	0.23	93,93,93,93	0
56	MG	RA	3978	1/1	0.65	0.26	75,75,75,75	0
56	MG	RA	3310	1/1	0.65	0.12	93,93,93,93	0
56	MG	RA	3652	1/1	0.65	0.14	81,81,81,81	0
56	MG	QA	1605	1/1	0.65	0.28	90,90,90,90	0
56	MG	YA	3083	1/1	0.65	0.12	90,90,90,90	0
56	MG	RA	3480	1/1	0.65	0.34	62,62,62,62	0
56	MG	RT	202	1/1	0.65	0.23	87,87,87,87	0
56	MG	YA	3555	1/1	0.65	0.24	64,64,64,64	0
56	MG	XA	1608	1/1	0.65	0.26	76,76,76,76	0
56	MG	QA	1792	1/1	0.65	0.39	84,84,84,84	0
56	MG	XA	1783	1/1	0.65	0.24	97,97,97,97	0
56	MG	YA	3655	1/1	0.65	0.34	62,62,62,62	0
56	MG	RA	3903	1/1	0.65	0.23	79,79,79,79	0
56	MG	YA	3520	1/1	0.65	0.25	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3431	1/1	0.65	0.45	84,84,84,84	0
56	MG	RA	3801	1/1	0.65	0.22	92,92,92,92	0
56	MG	YA	3302	1/1	0.65	0.24	89,89,89,89	0
56	MG	XA	1616	1/1	0.65	0.12	81,81,81,81	0
56	MG	QA	1767	1/1	0.65	0.33	88,88,88,88	0
56	MG	RA	3426	1/1	0.65	0.23	79,79,79,79	0
56	MG	QA	1845	1/1	0.65	0.15	79,79,79,79	0
56	MG	XA	1617	1/1	0.65	0.11	100,100,100,100	0
56	MG	RA	3596	1/1	0.65	0.20	98,98,98,98	0
56	MG	RA	4061	1/1	0.65	0.51	105,105,105,105	0
56	MG	YA	3279	1/1	0.65	0.57	62,62,62,62	0
56	MG	XV	102	1/1	0.65	0.15	84,84,84,84	0
56	MG	YA	3704	1/1	0.65	0.25	66,66,66,66	0
56	MG	XY	401	1/1	0.65	0.40	97,97,97,97	0
56	MG	RA	3943	1/1	0.66	0.19	91,91,91,91	0
56	MG	YA	3275	1/1	0.66	0.35	89,89,89,89	0
56	MG	YA	3691	1/1	0.66	0.38	82,82,82,82	0
56	MG	QD	301	1/1	0.66	0.35	94,94,94,94	0
56	MG	RA	3738	1/1	0.66	0.20	93,93,93,93	0
56	MG	RB	215	1/1	0.66	0.19	81,81,81,81	0
56	MG	RA	3468	1/1	0.66	0.30	63,63,63,63	0
56	MG	XA	1641	1/1	0.66	0.20	77,77,77,77	0
56	MG	YA	3643	1/1	0.66	0.26	79,79,79,79	0
56	MG	RA	3634	1/1	0.66	0.51	79,79,79,79	0
56	MG	XA	1745	1/1	0.66	0.29	71,71,71,71	0
56	MG	RB	227	1/1	0.66	0.28	88,88,88,88	0
56	MG	QA	1622	1/1	0.66	0.19	89,89,89,89	0
56	MG	RA	3057	1/1	0.66	0.21	96,96,96,96	0
56	MG	YA	3301	1/1	0.66	0.27	74,74,74,74	0
56	MG	RA	3059	1/1	0.66	0.28	84,84,84,84	0
56	MG	RA	3556	1/1	0.66	0.60	83,83,83,83	0
56	MG	YA	3553	1/1	0.66	0.32	73,73,73,73	0
56	MG	YA	3172	1/1	0.66	0.11	101,101,101,101	0
56	MG	RA	3065	1/1	0.66	0.21	92,92,92,92	0
56	MG	RA	3330	1/1	0.66	0.30	68,68,68,68	0
56	MG	YA	3584	1/1	0.66	0.28	77,77,77,77	0
56	MG	YA	3324	1/1	0.66	0.47	62,62,62,62	0
56	MG	YA	3587	1/1	0.66	0.33	68,68,68,68	0
56	MG	YA	3031	1/1	0.66	0.28	63,63,63,63	0
56	MG	YA	3208	1/1	0.66	0.31	102,102,102,102	0
56	MG	QA	1643	1/1	0.66	0.34	86,86,86,86	0
56	MG	QA	1740	1/1	0.66	0.49	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3264	1/1	0.66	0.21	84,84,84,84	0
56	MG	RA	4000	1/1	0.66	0.27	95,95,95,95	0
56	MG	YA	3407	1/1	0.66	0.33	62,62,62,62	0
56	MG	RA	3586	1/1	0.66	0.32	76,76,76,76	0
56	MG	RA	3900	1/1	0.66	0.43	92,92,92,92	0
56	MG	RA	3902	1/1	0.66	0.34	62,62,62,62	0
56	MG	XA	1718	1/1	0.66	0.34	78,78,78,78	0
56	MG	RA	3027	1/1	0.66	1.00	112,112,112,112	0
56	MG	RA	3688	1/1	0.66	0.28	79,79,79,79	0
56	MG	YA	3139	1/1	0.66	0.30	63,63,63,63	0
56	MG	RA	3029	1/1	0.66	0.76	104,104,104,104	0
56	MG	Y5	101	1/1	0.66	0.26	91,91,91,91	0
56	MG	YA	3097	1/1	0.66	0.16	96,96,96,96	0
56	MG	RA	3522	1/1	0.66	0.36	84,84,84,84	0
56	MG	XA	1724	1/1	0.66	0.24	75,75,75,75	0
56	MG	RA	3720	1/1	0.66	0.23	73,73,73,73	0
56	MG	YA	3316	1/1	0.66	0.40	62,62,62,62	0
56	MG	QA	1791	1/1	0.66	0.43	89,89,89,89	0
56	MG	RA	3824	1/1	0.66	0.22	92,92,92,92	0
56	MG	YA	3641	1/1	0.66	0.33	83,83,83,83	0
56	MG	QA	1756	1/1	0.66	0.22	80,80,80,80	0
56	MG	RA	3378	1/1	0.66	0.35	66,66,66,66	0
56	MG	RD	310	1/1	0.67	0.20	86,86,86,86	0
56	MG	YA	3399	1/1	0.67	0.52	76,76,76,76	0
56	MG	Y1	102	1/1	0.67	0.09	87,87,87,87	0
56	MG	RA	3278	1/1	0.67	0.17	89,89,89,89	0
56	MG	RA	3140	1/1	0.67	0.49	97,97,97,97	0
56	MG	RA	3096	1/1	0.67	0.14	83,83,83,83	0
56	MG	RA	3866	1/1	0.67	0.28	76,76,76,76	0
56	MG	YA	3184	1/1	0.67	0.32	78,78,78,78	0
56	MG	RA	3617	1/1	0.67	0.29	62,62,62,62	0
56	MG	QA	1758	1/1	0.67	0.31	93,93,93,93	0
56	MG	QA	1632	1/1	0.67	0.24	91,91,91,91	0
56	MG	YA	3041	1/1	0.67	0.31	96,96,96,96	0
56	MG	YB	211	1/1	0.67	0.29	80,80,80,80	0
56	MG	QA	1665	1/1	0.67	0.18	95,95,95,95	0
56	MG	RA	3298	1/1	0.67	0.16	79,79,79,79	0
56	MG	RA	3444	1/1	0.67	0.69	62,62,62,62	0
56	MG	RA	3157	1/1	0.67	0.20	84,84,84,84	0
56	MG	RA	3896	1/1	0.67	0.37	72,72,72,72	0
56	MG	RA	3755	1/1	0.67	0.66	100,100,100,100	0
56	MG	RA	3756	1/1	0.67	0.21	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3509	1/1	0.67	0.48	97,97,97,97	0
56	MG	RA	3579	1/1	0.67	0.19	63,63,63,63	0
56	MG	YA	3032	1/1	0.67	0.37	93,93,93,93	0
56	MG	YA	3243	1/1	0.67	0.18	90,90,90,90	0
56	MG	RA	3833	1/1	0.67	0.16	92,92,92,92	0
56	MG	RA	3770	1/1	0.67	0.38	66,66,66,66	0
56	MG	XA	1676	1/1	0.67	0.30	98,98,98,98	0
56	MG	QA	1853	1/1	0.67	0.18	89,89,89,89	0
56	MG	RA	3543	1/1	0.67	0.20	83,83,83,83	0
56	MG	RA	3724	1/1	0.67	0.23	82,82,82,82	0
56	MG	RA	3847	1/1	0.67	0.87	103,103,103,103	0
56	MG	YA	3199	1/1	0.67	0.27	71,71,71,71	0
56	MG	RA	3266	1/1	0.67	0.08	106,106,106,106	0
56	MG	RA	3850	1/1	0.67	0.18	72,72,72,72	0
56	MG	YW	202	1/1	0.67	0.19	81,81,81,81	0
56	MG	YA	3662	1/1	0.68	0.28	68,68,68,68	0
56	MG	RA	3106	1/1	0.68	0.74	107,107,107,107	0
56	MG	RA	3108	1/1	0.68	0.33	89,89,89,89	0
56	MG	RA	3939	1/1	0.68	0.19	95,95,95,95	0
56	MG	RA	3454	1/1	0.68	0.37	87,87,87,87	0
56	MG	RA	3735	1/1	0.68	0.27	77,77,77,77	0
56	MG	XA	1633	1/1	0.68	0.32	66,66,66,66	0
56	MG	RA	3624	1/1	0.68	0.34	75,75,75,75	0
56	MG	YA	3666	1/1	0.68	0.32	63,63,63,63	0
56	MG	XA	1663	1/1	0.68	0.18	83,83,83,83	0
56	MG	YA	3421	1/1	0.68	0.25	82,82,82,82	0
56	MG	RA	3120	1/1	0.68	0.14	83,83,83,83	0
56	MG	YA	3190	1/1	0.68	0.18	92,92,92,92	0
56	MG	YA	3367	1/1	0.68	0.29	76,76,76,76	0
56	MG	YA	3599	1/1	0.68	0.44	83,83,83,83	0
56	MG	YA	3001	1/1	0.68	0.30	96,96,96,96	0
56	MG	XA	1707	1/1	0.68	0.17	80,80,80,80	0
56	MG	RA	3641	1/1	0.68	0.24	79,79,79,79	0
56	MG	RA	3552	1/1	0.68	0.40	93,93,93,93	0
56	MG	RE	304	1/1	0.68	0.42	62,62,62,62	0
56	MG	YA	3111	1/1	0.68	0.18	88,88,88,88	0
56	MG	QA	1645	1/1	0.68	0.23	76,76,76,76	0
56	MG	YA	3689	1/1	0.68	0.27	78,78,78,78	0
56	MG	RA	3314	1/1	0.68	0.34	77,77,77,77	0
56	MG	RA	3561	1/1	0.68	0.51	62,62,62,62	0
56	MG	YA	3352	1/1	0.68	0.22	88,88,88,88	0
56	MG	RH	202	1/1	0.68	0.15	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1713	1/1	0.68	0.25	74,74,74,74	0
56	MG	QA	1654	1/1	0.68	0.29	77,77,77,77	0
56	MG	XA	1765	1/1	0.68	0.59	77,77,77,77	0
56	MG	YA	3374	1/1	0.68	0.47	75,75,75,75	0
56	MG	YA	3724	1/1	0.68	0.28	71,71,71,71	0
56	MG	XA	1716	1/1	0.68	0.27	79,79,79,79	0
56	MG	YA	3309	1/1	0.68	0.36	90,90,90,90	0
56	MG	YA	3253	1/1	0.68	0.37	87,87,87,87	0
56	MG	QA	1723	1/1	0.68	0.23	86,86,86,86	0
56	MG	QA	1851	1/1	0.68	0.38	78,78,78,78	0
56	MG	RA	3799	1/1	0.68	0.21	82,82,82,82	0
56	MG	YA	3541	1/1	0.68	0.25	94,94,94,94	0
56	MG	YA	3388	1/1	0.68	0.38	62,62,62,62	0
56	MG	RA	3510	1/1	0.68	0.30	71,71,71,71	0
56	MG	RA	3007	1/1	0.68	0.21	75,75,75,75	0
56	MG	YA	3417	1/1	0.68	0.29	69,69,69,69	0
56	MG	RA	3009	1/1	0.68	0.15	73,73,73,73	0
56	MG	YA	3311	1/1	0.68	0.28	73,73,73,73	0
56	MG	QA	1817	1/1	0.68	0.25	85,85,85,85	0
56	MG	RA	3358	1/1	0.68	0.22	81,81,81,81	0
56	MG	RA	4032	1/1	0.68	0.37	89,89,89,89	0
56	MG	YA	3128	1/1	0.68	0.33	82,82,82,82	0
56	MG	RA	3922	1/1	0.68	0.30	80,80,80,80	0
56	MG	RA	3179	1/1	0.68	0.58	105,105,105,105	0
56	MG	RA	3820	1/1	0.68	0.27	76,76,76,76	0
56	MG	RA	3180	1/1	0.68	0.27	80,80,80,80	0
56	MG	RA	3449	1/1	0.68	0.19	83,83,83,83	0
56	MG	RA	3929	1/1	0.68	0.43	85,85,85,85	0
56	MG	RA	3945	1/1	0.69	0.16	63,63,63,63	0
56	MG	RA	3333	1/1	0.69	0.44	64,64,64,64	0
56	MG	RA	3947	1/1	0.69	0.27	63,63,63,63	0
56	MG	QA	1859	1/1	0.69	0.44	85,85,85,85	0
56	MG	QA	1702	1/1	0.69	0.35	86,86,86,86	0
56	MG	RA	3853	1/1	0.69	0.23	90,90,90,90	0
56	MG	YA	3024	1/1	0.69	0.38	91,91,91,91	0
56	MG	RA	3013	1/1	0.69	0.26	83,83,83,83	0
56	MG	RA	3668	1/1	0.69	0.21	80,80,80,80	0
56	MG	RB	225	1/1	0.69	0.08	80,80,80,80	0
56	MG	RA	3018	1/1	0.69	0.21	95,95,95,95	0
56	MG	YA	3750	1/1	0.69	0.17	92,92,92,92	0
56	MG	RA	3023	1/1	0.69	0.21	78,78,78,78	0
56	MG	YA	3350	1/1	0.69	0.41	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3356	1/1	0.69	0.45	78,78,78,78	0
56	MG	QA	1827	1/1	0.69	0.24	74,74,74,74	0
56	MG	QA	1708	1/1	0.69	0.34	69,69,69,69	0
56	MG	RA	3970	1/1	0.69	0.36	96,96,96,96	0
56	MG	YA	3252	1/1	0.69	0.09	96,96,96,96	0
56	MG	YA	3046	1/1	0.69	0.28	82,82,82,82	0
56	MG	RA	3701	1/1	0.69	0.21	64,64,64,64	0
56	MG	QA	1875	1/1	0.69	0.21	78,78,78,78	0
56	MG	QA	1754	1/1	0.69	0.25	85,85,85,85	0
56	MG	QA	1755	1/1	0.69	0.29	81,81,81,81	0
56	MG	RA	3890	1/1	0.69	0.40	77,77,77,77	0
56	MG	XA	1790	1/1	0.69	0.48	87,87,87,87	0
56	MG	YR	201	1/1	0.69	0.24	82,82,82,82	0
56	MG	RA	3370	1/1	0.69	0.30	78,78,78,78	0
56	MG	YA	3254	1/1	0.69	0.52	87,87,87,87	0
56	MG	RA	3044	1/1	0.69	0.27	82,82,82,82	0
56	MG	YA	3381	1/1	0.69	0.32	70,70,70,70	0
56	MG	YA	3595	1/1	0.69	0.23	83,83,83,83	0
56	MG	YA	3186	1/1	0.69	0.43	106,106,106,106	0
56	MG	RA	4007	1/1	0.69	0.18	76,76,76,76	0
56	MG	RA	3542	1/1	0.69	0.17	79,79,79,79	0
56	MG	RA	3819	1/1	0.69	0.36	90,90,90,90	0
56	MG	YA	3364	1/1	0.69	0.15	81,81,81,81	0
56	MG	RZ	301	1/1	0.69	0.16	87,87,87,87	0
56	MG	YB	213	1/1	0.69	0.34	81,81,81,81	0
56	MG	YA	3246	1/1	0.69	0.25	81,81,81,81	0
56	MG	YA	3129	1/1	0.69	0.27	77,77,77,77	0
56	MG	XA	1668	1/1	0.69	0.27	92,92,92,92	0
56	MG	YD	305	1/1	0.69	0.40	92,92,92,92	0
56	MG	RA	3478	1/1	0.69	0.36	78,78,78,78	0
56	MG	YA	3667	1/1	0.69	0.37	65,65,65,65	0
56	MG	YA	3609	1/1	0.69	0.31	75,75,75,75	0
56	MG	RA	3063	1/1	0.69	0.19	83,83,83,83	0
56	MG	RA	3836	1/1	0.69	0.30	73,73,73,73	0
56	MG	QA	1607	1/1	0.69	0.21	91,91,91,91	0
56	MG	YA	3153	1/1	0.69	0.29	68,68,68,68	0
56	MG	RA	3244	1/1	0.69	0.49	98,98,98,98	0
56	MG	YA	3674	1/1	0.69	0.30	77,77,77,77	0
56	MG	RA	3161	1/1	0.69	0.18	83,83,83,83	0
56	MG	QA	1700	1/1	0.69	0.19	94,94,94,94	0
56	MG	YA	3598	1/1	0.70	0.35	62,62,62,62	0
56	MG	QA	1666	1/1	0.70	0.16	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RB	206	1/1	0.70	0.16	80,80,80,80	0
56	MG	YA	3062	1/1	0.70	0.12	84,84,84,84	0
56	MG	YA	3427	1/1	0.70	0.51	88,88,88,88	0
56	MG	RA	3113	1/1	0.70	0.44	90,90,90,90	0
56	MG	QA	1675	1/1	0.70	0.15	91,91,91,91	0
56	MG	YA	3095	1/1	0.70	0.19	64,64,64,64	0
56	MG	RA	3760	1/1	0.70	0.24	98,98,98,98	0
56	MG	YA	3515	1/1	0.70	0.41	69,69,69,69	0
56	MG	YA	3043	1/1	0.70	0.21	63,63,63,63	0
56	MG	RA	3768	1/1	0.70	0.39	74,74,74,74	0
56	MG	RB	221	1/1	0.70	0.22	84,84,84,84	0
56	MG	RA	3858	1/1	0.70	0.33	70,70,70,70	0
56	MG	RA	3437	1/1	0.70	0.34	77,77,77,77	0
56	MG	RA	3775	1/1	0.70	0.23	94,94,94,94	0
56	MG	YA	3356	1/1	0.70	0.31	85,85,85,85	0
56	MG	YA	3378	1/1	0.70	0.45	62,62,62,62	0
56	MG	QA	1633	1/1	0.70	0.09	84,84,84,84	0
56	MG	RA	3865	1/1	0.70	0.21	93,93,93,93	0
56	MG	RA	3290	1/1	0.70	0.19	99,99,99,99	0
56	MG	RA	3867	1/1	0.70	0.14	81,81,81,81	0
56	MG	RD	312	1/1	0.70	0.43	90,90,90,90	0
56	MG	RA	3966	1/1	0.70	0.21	71,71,71,71	0
56	MG	YA	3440	1/1	0.70	0.41	64,64,64,64	0
56	MG	QA	1730	1/1	0.70	0.15	73,73,73,73	0
56	MG	QO	101	1/1	0.70	0.19	86,86,86,86	0
56	MG	RA	3698	1/1	0.70	0.30	87,87,87,87	0
56	MG	RA	3789	1/1	0.70	0.24	80,80,80,80	0
56	MG	YA	3018	1/1	0.70	0.25	97,97,97,97	0
56	MG	YA	3157	1/1	0.70	0.28	66,66,66,66	0
56	MG	RA	3794	1/1	0.70	0.38	72,72,72,72	0
56	MG	YA	3098	1/1	0.70	0.20	95,95,95,95	0
56	MG	YA	3447	1/1	0.70	0.23	80,80,80,80	0
56	MG	RA	3456	1/1	0.70	0.23	71,71,71,71	0
56	MG	RA	3892	1/1	0.70	0.12	78,78,78,78	0
56	MG	RA	3995	1/1	0.70	0.21	91,91,91,91	0
56	MG	YA	3192	1/1	0.70	0.20	74,74,74,74	0
56	MG	RA	3143	1/1	0.70	0.20	77,77,77,77	0
56	MG	YA	3327	1/1	0.70	0.35	85,85,85,85	0
56	MG	RA	3223	1/1	0.70	0.20	77,77,77,77	0
56	MG	YA	3720	1/1	0.70	0.32	75,75,75,75	0
56	MG	QA	1864	1/1	0.70	0.26	97,97,97,97	0
56	MG	RA	3469	1/1	0.70	0.28	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1770	1/1	0.70	0.18	87,87,87,87	0
56	MG	RA	3152	1/1	0.70	0.14	93,93,93,93	0
56	MG	RA	3392	1/1	0.70	0.61	62,62,62,62	0
56	MG	RA	3229	1/1	0.70	0.49	104,104,104,104	0
56	MG	RA	3822	1/1	0.70	0.32	73,73,73,73	0
56	MG	QA	1742	1/1	0.70	0.19	92,92,92,92	0
56	MG	YE	301	1/1	0.70	0.24	66,66,66,66	0
56	MG	RA	3923	1/1	0.70	0.19	74,74,74,74	0
56	MG	YA	3540	1/1	0.70	0.29	82,82,82,82	0
56	MG	YA	3396	1/1	0.70	0.38	67,67,67,67	0
56	MG	YA	3547	1/1	0.70	0.26	88,88,88,88	0
56	MG	YA	3038	1/1	0.70	0.29	77,77,77,77	0
56	MG	YA	3551	1/1	0.70	0.27	73,73,73,73	0
56	MG	RA	3100	1/1	0.70	0.13	102,102,102,102	0
56	MG	RA	3935	1/1	0.70	0.10	90,90,90,90	0
56	MG	YA	3142	1/1	0.70	0.24	76,76,76,76	0
56	MG	YA	3112	1/1	0.71	0.61	85,85,85,85	0
56	MG	YA	3162	1/1	0.71	0.48	96,96,96,96	0
56	MG	YA	3637	1/1	0.71	0.45	85,85,85,85	0
56	MG	QA	1611	1/1	0.71	0.46	80,80,80,80	0
56	MG	RA	3419	1/1	0.71	0.50	62,62,62,62	0
56	MG	RA	3608	1/1	0.71	0.15	83,83,83,83	0
56	MG	RA	3328	1/1	0.71	0.25	73,73,73,73	0
56	MG	RA	3425	1/1	0.71	0.33	91,91,91,91	0
56	MG	YA	3326	1/1	0.71	0.35	65,65,65,65	0
56	MG	RA	3237	1/1	0.71	0.95	96,96,96,96	0
56	MG	YA	3426	1/1	0.71	0.21	72,72,72,72	0
56	MG	YA	3287	1/1	0.71	0.39	78,78,78,78	0
56	MG	RA	3334	1/1	0.71	0.31	82,82,82,82	0
56	MG	RA	3335	1/1	0.71	0.29	75,75,75,75	0
56	MG	YA	3756	1/1	0.71	0.27	96,96,96,96	0
56	MG	XA	1781	1/1	0.71	0.41	79,79,79,79	0
56	MG	YA	3288	1/1	0.71	0.39	62,62,62,62	0
56	MG	YA	3351	1/1	0.71	0.28	68,68,68,68	0
56	MG	RA	3632	1/1	0.71	1.42	88,88,88,88	0
56	MG	RA	3529	1/1	0.71	0.36	90,90,90,90	0
56	MG	RA	3167	1/1	0.71	0.14	84,84,84,84	0
56	MG	RA	3168	1/1	0.71	0.22	91,91,91,91	0
56	MG	YA	3600	1/1	0.71	0.49	65,65,65,65	0
56	MG	RA	3757	1/1	0.71	0.18	98,98,98,98	0
56	MG	RA	3637	1/1	0.71	0.44	85,85,85,85	0
56	MG	RA	3257	1/1	0.71	0.49	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3249	1/1	0.71	0.36	94,94,94,94	0
56	MG	YA	3238	1/1	0.71	0.30	100,100,100,100	0
56	MG	RA	3174	1/1	0.71	0.18	85,85,85,85	0
56	MG	RA	3103	1/1	0.71	0.46	101,101,101,101	0
56	MG	QA	1871	1/1	0.71	0.13	77,77,77,77	0
56	MG	RA	3651	1/1	0.71	0.25	80,80,80,80	0
56	MG	RA	3030	1/1	0.71	0.35	94,94,94,94	0
56	MG	RA	3777	1/1	0.71	0.24	84,84,84,84	0
56	MG	QA	1779	1/1	0.71	0.11	91,91,91,91	0
56	MG	RA	3109	1/1	0.71	0.29	97,97,97,97	0
56	MG	YA	3435	1/1	0.71	0.22	87,87,87,87	0
56	MG	RQ	204	1/1	0.71	0.43	89,89,89,89	0
56	MG	YA	3499	1/1	0.71	0.24	65,65,65,65	0
56	MG	YA	3066	1/1	0.71	0.46	78,78,78,78	0
56	MG	RA	3286	1/1	0.71	0.28	100,100,100,100	0
56	MG	XA	1655	1/1	0.71	0.23	82,82,82,82	0
56	MG	YA	3708	1/1	0.71	0.46	66,66,66,66	0
56	MG	YA	3574	1/1	0.71	0.19	86,86,86,86	0
56	MG	YA	3116	1/1	0.71	0.20	95,95,95,95	0
56	MG	XA	1699	1/1	0.71	0.32	82,82,82,82	0
56	MG	RA	4009	1/1	0.71	0.19	84,84,84,84	0
56	MG	QA	1701	1/1	0.71	0.19	77,77,77,77	0
56	MG	RA	3049	1/1	0.71	0.17	80,80,80,80	0
56	MG	YA	3577	1/1	0.71	0.39	62,62,62,62	0
56	MG	YA	3387	1/1	0.71	0.42	62,62,62,62	0
56	MG	YA	3625	1/1	0.71	0.30	86,86,86,86	0
56	MG	RA	3396	1/1	0.71	0.26	67,67,67,67	0
56	MG	YA	3156	1/1	0.71	0.33	103,103,103,103	0
56	MG	RA	3213	1/1	0.71	0.52	112,112,112,112	0
56	MG	YA	3582	1/1	0.71	0.51	74,74,74,74	0
56	MG	RA	3489	1/1	0.71	0.23	67,67,67,67	0
56	MG	RA	3711	1/1	0.71	0.50	88,88,88,88	0
56	MG	YA	3034	1/1	0.71	0.17	74,74,74,74	0
56	MG	YA	3008	1/1	0.71	0.19	66,66,66,66	0
56	MG	QA	1806	1/1	0.71	0.27	79,79,79,79	0
56	MG	YA	3422	1/1	0.71	0.29	90,90,90,90	0
56	MG	XA	1615	1/1	0.72	0.18	89,89,89,89	0
56	MG	YA	3516	1/1	0.72	0.43	85,85,85,85	0
56	MG	YA	3222	1/1	0.72	0.19	88,88,88,88	0
56	MG	RA	3930	1/1	0.72	0.33	73,73,73,73	0
56	MG	RA	3566	1/1	0.72	0.27	67,67,67,67	0
56	MG	QA	1616	1/1	0.72	0.14	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3164	1/1	0.72	0.28	98,98,98,98	0
56	MG	RA	3515	1/1	0.72	0.22	90,90,90,90	0
56	MG	YA	3391	1/1	0.72	0.34	62,62,62,62	0
56	MG	RA	3732	1/1	0.72	0.17	85,85,85,85	0
56	MG	YA	3494	1/1	0.72	0.26	64,64,64,64	0
56	MG	RA	3644	1/1	0.72	0.23	91,91,91,91	0
56	MG	QA	1628	1/1	0.72	0.39	77,77,77,77	0
56	MG	RA	3353	1/1	0.72	0.35	84,84,84,84	0
56	MG	RA	3462	1/1	0.72	0.43	86,86,86,86	0
56	MG	QA	1865	1/1	0.72	0.19	98,98,98,98	0
56	MG	YA	3170	1/1	0.72	0.25	92,92,92,92	0
56	MG	RA	3246	1/1	0.72	0.19	84,84,84,84	0
56	MG	RA	3412	1/1	0.72	0.33	62,62,62,62	0
56	MG	RA	3307	1/1	0.72	0.73	99,99,99,99	0
56	MG	RA	4054	1/1	0.72	0.58	91,91,91,91	0
56	MG	RA	3414	1/1	0.72	0.28	62,62,62,62	0
56	MG	YA	3042	1/1	0.72	0.15	76,76,76,76	0
56	MG	RA	4062	1/1	0.72	0.57	98,98,98,98	0
56	MG	RA	3038	1/1	0.72	0.25	86,86,86,86	0
56	MG	YA	3091	1/1	0.72	0.18	76,76,76,76	0
56	MG	RB	202	1/1	0.72	0.15	80,80,80,80	0
56	MG	YA	3307	1/1	0.72	0.30	71,71,71,71	0
56	MG	QT	201	1/1	0.72	0.44	77,77,77,77	0
56	MG	QA	1757	1/1	0.72	0.27	102,102,102,102	0
56	MG	R1	104	1/1	0.72	0.28	88,88,88,88	0
56	MG	XA	1756	1/1	0.72	0.66	81,81,81,81	0
56	MG	XA	1706	1/1	0.72	0.16	78,78,78,78	0
56	MG	XA	1758	1/1	0.72	0.38	68,68,68,68	0
56	MG	RA	3372	1/1	0.72	0.33	87,87,87,87	0
56	MG	RA	3690	1/1	0.72	0.93	90,90,90,90	0
56	MG	YA	3219	1/1	0.72	0.32	95,95,95,95	0
56	MG	YA	3669	1/1	0.72	0.32	65,65,65,65	0
56	MG	YA	3458	1/1	0.72	0.38	88,88,88,88	0
56	MG	RA	3114	1/1	0.72	0.42	95,95,95,95	0
56	MG	RA	3493	1/1	0.72	0.32	70,70,70,70	0
56	MG	RA	3015	1/1	0.72	0.21	84,84,84,84	0
56	MG	QA	1766	1/1	0.72	0.13	96,96,96,96	0
56	MG	XA	1767	1/1	0.72	0.53	78,78,78,78	0
56	MG	RA	3022	1/1	0.72	0.32	98,98,98,98	0
56	MG	RA	3588	1/1	0.73	0.35	76,76,76,76	0
56	MG	YA	3323	1/1	0.73	0.40	62,62,62,62	0
56	MG	YA	3412	1/1	0.73	0.42	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3414	1/1	0.73	0.70	92,92,92,92	0
56	MG	RA	3327	1/1	0.73	0.31	69,69,69,69	0
56	MG	RD	311	1/1	0.73	0.11	101,101,101,101	0
56	MG	YA	3635	1/1	0.73	0.22	83,83,83,83	0
56	MG	RA	3279	1/1	0.73	0.23	98,98,98,98	0
56	MG	RA	3280	1/1	0.73	0.29	95,95,95,95	0
56	MG	RA	3382	1/1	0.73	0.28	76,76,76,76	0
56	MG	RF	304	1/1	0.73	0.30	74,74,74,74	0
56	MG	YA	3154	1/1	0.73	0.11	81,81,81,81	0
56	MG	RA	3743	1/1	0.73	0.10	89,89,89,89	0
56	MG	YA	3610	1/1	0.73	0.40	64,64,64,64	0
56	MG	XA	1695	1/1	0.73	0.41	73,73,73,73	0
56	MG	QA	1671	1/1	0.73	0.19	85,85,85,85	0
56	MG	XA	1768	1/1	0.73	0.48	62,62,62,62	0
56	MG	RA	3749	1/1	0.73	0.23	70,70,70,70	0
56	MG	YA	3085	1/1	0.73	0.21	85,85,85,85	0
56	MG	YA	3262	1/1	0.73	0.22	88,88,88,88	0
56	MG	RA	4050	1/1	0.73	0.10	98,98,98,98	0
56	MG	RA	3500	1/1	0.73	0.20	94,94,94,94	0
56	MG	YA	3103	1/1	0.73	0.25	67,67,67,67	0
56	MG	YA	3331	1/1	0.73	0.57	62,62,62,62	0
56	MG	RA	3144	1/1	0.73	0.36	86,86,86,86	0
56	MG	RU	201	1/1	0.73	0.29	85,85,85,85	0
56	MG	RA	3959	1/1	0.73	0.35	97,97,97,97	0
56	MG	QA	1776	1/1	0.73	0.28	83,83,83,83	0
56	MG	YA	3706	1/1	0.73	0.22	75,75,75,75	0
56	MG	RA	3761	1/1	0.73	0.20	70,70,70,70	0
56	MG	RA	3762	1/1	0.73	0.32	65,65,65,65	0
56	MG	YA	3543	1/1	0.73	0.12	80,80,80,80	0
56	MG	RA	3303	1/1	0.73	0.15	92,92,92,92	0
56	MG	YA	3646	1/1	0.73	0.24	68,68,68,68	0
56	MG	RA	3196	1/1	0.73	0.37	114,114,114,114	0
56	MG	RA	3837	1/1	0.73	0.35	90,90,90,90	0
56	MG	RB	210	1/1	0.73	0.13	96,96,96,96	0
56	MG	RA	3570	1/1	0.73	0.30	71,71,71,71	0
56	MG	RA	3918	1/1	0.73	0.42	93,93,93,93	0
56	MG	YA	3318	1/1	0.73	0.36	62,62,62,62	0
56	MG	YA	3146	1/1	0.73	0.32	83,83,83,83	0
56	MG	RA	3981	1/1	0.73	0.18	78,78,78,78	0
56	MG	YA	3713	1/1	0.73	0.36	83,83,83,83	0
56	MG	YA	3217	1/1	0.73	0.15	98,98,98,98	0
56	MG	YA	3718	1/1	0.73	0.09	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3205	1/1	0.73	0.28	87,87,87,87	0
56	MG	YA	3135	1/1	0.73	0.26	63,63,63,63	0
56	MG	XA	1626	1/1	0.73	0.20	78,78,78,78	0
56	MG	RA	3936	1/1	0.74	0.20	82,82,82,82	0
56	MG	YA	3141	1/1	0.74	0.29	79,79,79,79	0
56	MG	XA	1640	1/1	0.74	0.19	92,92,92,92	0
56	MG	RA	3744	1/1	0.74	0.27	73,73,73,73	0
56	MG	RE	303	1/1	0.74	0.40	102,102,102,102	0
56	MG	RA	3940	1/1	0.74	0.48	90,90,90,90	0
56	MG	RA	3868	1/1	0.74	0.15	83,83,83,83	0
56	MG	QA	1670	1/1	0.74	0.23	84,84,84,84	0
56	MG	RA	3490	1/1	0.74	0.49	67,67,67,67	0
56	MG	RA	3442	1/1	0.74	0.21	82,82,82,82	0
56	MG	YA	3005	1/1	0.74	0.13	85,85,85,85	0
56	MG	RA	3614	1/1	0.74	0.22	68,68,68,68	0
56	MG	RA	3172	1/1	0.74	0.47	105,105,105,105	0
56	MG	QA	1844	1/1	0.74	0.13	100,100,100,100	0
56	MG	YA	3681	1/1	0.74	0.55	62,62,62,62	0
56	MG	RA	3394	1/1	0.74	0.46	62,62,62,62	0
56	MG	YA	3011	1/1	0.74	0.27	70,70,70,70	0
56	MG	RA	3558	1/1	0.74	0.27	76,76,76,76	0
56	MG	YA	3340	1/1	0.74	0.34	62,62,62,62	0
56	MG	RA	3501	1/1	0.74	0.41	63,63,63,63	0
56	MG	YA	3663	1/1	0.74	0.13	98,98,98,98	0
56	MG	RR	203	1/1	0.74	0.27	81,81,81,81	0
56	MG	YP	201	1/1	0.74	0.28	89,89,89,89	0
56	MG	RA	3961	1/1	0.74	0.35	87,87,87,87	0
56	MG	QA	1639	1/1	0.74	0.20	93,93,93,93	0
56	MG	YA	3727	1/1	0.74	0.34	62,62,62,62	0
56	MG	RA	3301	1/1	0.74	0.24	93,93,93,93	0
56	MG	RA	3965	1/1	0.74	0.18	73,73,73,73	0
56	MG	QA	1719	1/1	0.74	0.51	73,73,73,73	0
56	MG	XA	1680	1/1	0.74	0.30	80,80,80,80	0
56	MG	RA	3721	1/1	0.74	0.17	67,67,67,67	0
56	MG	YA	3729	1/1	0.74	0.36	69,69,69,69	0
56	MG	RA	3909	1/1	0.74	0.35	62,62,62,62	0
56	MG	YA	3664	1/1	0.74	0.27	72,72,72,72	0
56	MG	YA	3283	1/1	0.74	0.15	74,74,74,74	0
56	MG	YA	3489	1/1	0.74	0.15	77,77,77,77	0
56	MG	YD	301	1/1	0.74	0.22	66,66,66,66	0
56	MG	YD	302	1/1	0.74	0.29	81,81,81,81	0
56	MG	YA	3445	1/1	0.74	0.22	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3048	1/1	0.74	0.17	88,88,88,88	0
56	MG	RA	3155	1/1	0.74	0.28	95,95,95,95	0
56	MG	QA	1832	1/1	0.74	0.17	84,84,84,84	0
56	MG	YA	3526	1/1	0.74	0.41	65,65,65,65	0
56	MG	YA	3620	1/1	0.74	0.43	75,75,75,75	0
56	MG	XA	1762	1/1	0.74	0.27	70,70,70,70	0
56	MG	YE	306	1/1	0.74	0.48	62,62,62,62	0
56	MG	YA	3294	1/1	0.74	0.37	62,62,62,62	0
56	MG	YA	3107	1/1	0.75	0.25	74,74,74,74	0
56	MG	RA	3408	1/1	0.75	0.58	62,62,62,62	0
56	MG	QA	1788	1/1	0.75	0.18	93,93,93,93	0
56	MG	YA	3573	1/1	0.75	0.40	64,64,64,64	0
56	MG	XA	1629	1/1	0.75	0.29	68,68,68,68	0
56	MG	YA	3429	1/1	0.75	0.30	73,73,73,73	0
56	MG	QA	1793	1/1	0.75	0.24	93,93,93,93	0
56	MG	RA	3606	1/1	0.75	0.17	87,87,87,87	0
56	MG	YA	3118	1/1	0.75	0.13	74,74,74,74	0
56	MG	RA	3415	1/1	0.75	0.32	62,62,62,62	0
56	MG	QA	1732	1/1	0.75	0.33	72,72,72,72	0
56	MG	QA	1870	1/1	0.75	0.47	81,81,81,81	0
56	MG	QA	1617	1/1	0.75	0.12	98,98,98,98	0
56	MG	YA	3166	1/1	0.75	0.64	109,109,109,109	0
56	MG	RA	3544	1/1	0.75	0.21	65,65,65,65	0
56	MG	RG	201	1/1	0.75	0.09	89,89,89,89	0
56	MG	RA	3181	1/1	0.75	0.27	86,86,86,86	0
56	MG	RA	3484	1/1	0.75	0.57	62,62,62,62	0
56	MG	RA	3427	1/1	0.75	0.27	90,90,90,90	0
56	MG	RA	3623	1/1	0.75	0.36	65,65,65,65	0
56	MG	YA	3470	1/1	0.75	0.21	74,74,74,74	0
56	MG	RA	4025	1/1	0.75	0.84	97,97,97,97	0
56	MG	YA	3394	1/1	0.75	0.30	75,75,75,75	0
56	MG	YA	3305	1/1	0.75	0.25	69,69,69,69	0
56	MG	RA	3025	1/1	0.75	0.14	69,69,69,69	0
56	MG	YF	302	1/1	0.75	0.15	75,75,75,75	0
56	MG	RA	4046	1/1	0.75	0.38	91,91,91,91	0
56	MG	RA	3793	1/1	0.75	0.24	71,71,71,71	0
56	MG	RA	3072	1/1	0.75	0.61	110,110,110,110	0
56	MG	YB	203	1/1	0.75	0.17	72,72,72,72	0
56	MG	YA	3437	1/1	0.75	0.27	62,62,62,62	0
56	MG	YA	3315	1/1	0.75	0.37	64,64,64,64	0
56	MG	YA	3105	1/1	0.75	0.20	81,81,81,81	0
56	MG	RA	3381	1/1	0.75	0.28	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1644	1/1	0.75	0.14	94,94,94,94	0
56	MG	QA	1747	1/1	0.75	0.43	81,81,81,81	0
56	MG	RA	3809	1/1	0.75	0.09	89,89,89,89	0
56	MG	YA	3496	1/1	0.75	0.40	85,85,85,85	0
56	MG	RB	205	1/1	0.75	0.10	92,92,92,92	0
56	MG	RA	3153	1/1	0.75	0.11	90,90,90,90	0
56	MG	RA	3508	1/1	0.75	0.14	89,89,89,89	0
56	MG	YA	3075	1/1	0.75	0.41	89,89,89,89	0
56	MG	YA	3621	1/1	0.75	0.26	62,62,62,62	0
56	MG	RA	3816	1/1	0.75	0.21	79,79,79,79	0
56	MG	R8	101	1/1	0.75	0.28	90,90,90,90	0
56	MG	XA	1679	1/1	0.75	0.38	102,102,102,102	0
56	MG	YA	3672	1/1	0.75	0.42	76,76,76,76	0
56	MG	YA	3536	1/1	0.75	0.28	63,63,63,63	0
56	MG	RA	3457	1/1	0.75	0.15	89,89,89,89	0
56	MG	QA	1856	1/1	0.75	0.40	94,94,94,94	0
56	MG	RA	3341	1/1	0.75	0.46	73,73,73,73	0
56	MG	YA	3155	1/1	0.75	0.42	85,85,85,85	0
56	MG	QA	1688	1/1	0.75	0.31	81,81,81,81	0
56	MG	RA	3591	1/1	0.75	0.14	92,92,92,92	0
57	ZN	Y4	101	1/1	0.75	0.25	176,176,176,176	0
56	MG	RA	3233	1/1	0.76	0.51	96,96,96,96	0
56	MG	RA	3680	1/1	0.76	0.33	69,69,69,69	0
56	MG	YA	3679	1/1	0.76	0.28	65,65,65,65	0
56	MG	RA	3683	1/1	0.76	0.22	85,85,85,85	0
56	MG	RA	3377	1/1	0.76	0.13	69,69,69,69	0
56	MG	YA	3067	1/1	0.76	0.11	76,76,76,76	0
56	MG	RF	303	1/1	0.76	0.31	98,98,98,98	0
56	MG	RA	3514	1/1	0.76	0.25	63,63,63,63	0
56	MG	YA	3538	1/1	0.76	0.32	64,64,64,64	0
56	MG	YA	3698	1/1	0.76	0.57	76,76,76,76	0
56	MG	RA	4038	1/1	0.76	0.19	75,75,75,75	0
56	MG	RA	3474	1/1	0.76	0.24	70,70,70,70	0
56	MG	XA	1734	1/1	0.76	0.20	89,89,89,89	0
56	MG	RA	3156	1/1	0.76	0.37	105,105,105,105	0
56	MG	YA	3343	1/1	0.76	0.64	62,62,62,62	0
56	MG	QA	1726	1/1	0.76	0.23	88,88,88,88	0
56	MG	QA	1673	1/1	0.76	0.33	75,75,75,75	0
56	MG	QA	1674	1/1	0.76	0.21	94,94,94,94	0
56	MG	YA	3265	1/1	0.76	0.32	77,77,77,77	0
56	MG	RA	4063	1/1	0.76	0.80	100,100,100,100	0
56	MG	RA	3830	1/1	0.76	0.58	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3831	1/1	0.76	0.17	90,90,90,90	0
56	MG	RR	204	1/1	0.76	0.19	75,75,75,75	0
56	MG	RA	3076	1/1	0.76	0.47	96,96,96,96	0
56	MG	RA	3773	1/1	0.76	0.30	70,70,70,70	0
56	MG	YA	3605	1/1	0.76	0.18	84,84,84,84	0
56	MG	QA	1678	1/1	0.76	0.20	93,93,93,93	0
56	MG	YA	3168	1/1	0.76	0.50	100,100,100,100	0
56	MG	RW	201	1/1	0.76	0.24	83,83,83,83	0
56	MG	RA	3534	1/1	0.76	0.24	75,75,75,75	0
56	MG	RA	3589	1/1	0.76	0.20	94,94,94,94	0
56	MG	YA	3737	1/1	0.76	0.49	63,63,63,63	0
56	MG	RA	3091	1/1	0.76	0.24	102,102,102,102	0
56	MG	QD	303	1/1	0.76	0.15	94,94,94,94	0
56	MG	RA	3730	1/1	0.76	0.17	89,89,89,89	0
56	MG	RB	213	1/1	0.76	0.54	71,71,71,71	0
56	MG	YA	3739	1/1	0.76	0.28	75,75,75,75	0
56	MG	R5	101	1/1	0.76	0.51	105,105,105,105	0
56	MG	RB	216	1/1	0.76	0.10	88,88,88,88	0
56	MG	RA	3407	1/1	0.76	0.17	95,95,95,95	0
56	MG	Y1	101	1/1	0.76	0.20	62,62,62,62	0
56	MG	XA	1773	1/1	0.76	0.51	79,79,79,79	0
56	MG	QA	1658	1/1	0.76	0.21	88,88,88,88	0
56	MG	YA	3224	1/1	0.76	0.21	71,71,71,71	0
56	MG	RA	3797	1/1	0.76	0.62	109,109,109,109	0
56	MG	RA	3227	1/1	0.76	1.17	103,103,103,103	0
56	MG	RA	3282	1/1	0.76	0.23	102,102,102,102	0
56	MG	YA	3255	1/1	0.76	0.34	81,81,81,81	0
56	MG	RA	3503	1/1	0.76	0.37	65,65,65,65	0
56	MG	RA	3803	1/1	0.76	0.59	101,101,101,101	0
56	MG	QL	201	1/1	0.76	0.20	87,87,87,87	0
56	MG	RA	3416	1/1	0.76	0.39	75,75,75,75	0
56	MG	YA	3319	1/1	0.77	0.33	62,62,62,62	0
56	MG	RA	3562	1/1	0.77	0.23	82,82,82,82	0
56	MG	RA	3360	1/1	0.77	0.39	68,68,68,68	0
56	MG	YA	3661	1/1	0.77	0.39	73,73,73,73	0
56	MG	YA	3715	1/1	0.77	0.15	83,83,83,83	0
56	MG	YA	3452	1/1	0.77	0.37	84,84,84,84	0
56	MG	YB	202	1/1	0.77	0.08	72,72,72,72	0
56	MG	RA	3857	1/1	0.77	0.40	76,76,76,76	0
56	MG	YA	3439	1/1	0.77	0.23	88,88,88,88	0
56	MG	XK	201	1/1	0.77	0.13	87,87,87,87	0
56	MG	RA	3765	1/1	0.77	0.22	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3572	1/1	0.77	0.27	81,81,81,81	0
56	MG	YA	3588	1/1	0.77	0.41	64,64,64,64	0
56	MG	QA	1646	1/1	0.77	0.26	71,71,71,71	0
56	MG	YO	202	1/1	0.77	0.21	81,81,81,81	0
56	MG	RA	3306	1/1	0.77	0.23	97,97,97,97	0
56	MG	RA	3679	1/1	0.77	0.23	72,72,72,72	0
56	MG	YA	3022	1/1	0.77	0.63	91,91,91,91	0
56	MG	RA	3506	1/1	0.77	0.17	70,70,70,70	0
56	MG	RA	3780	1/1	0.77	0.34	89,89,89,89	0
56	MG	RA	3443	1/1	0.77	0.49	62,62,62,62	0
56	MG	RA	3509	1/1	0.77	0.27	81,81,81,81	0
56	MG	YA	3617	1/1	0.77	0.25	74,74,74,74	0
56	MG	YA	3590	1/1	0.77	0.34	65,65,65,65	0
56	MG	RA	3878	1/1	0.77	0.30	62,62,62,62	0
56	MG	YA	3078	1/1	0.77	0.55	97,97,97,97	0
56	MG	RA	3313	1/1	0.77	0.36	63,63,63,63	0
56	MG	RA	3986	1/1	0.77	0.21	79,79,79,79	0
56	MG	RF	308	1/1	0.77	0.73	92,92,92,92	0
56	MG	RF	309	1/1	0.77	0.29	103,103,103,103	0
56	MG	RA	3883	1/1	0.77	0.22	88,88,88,88	0
56	MG	RA	3243	1/1	0.77	0.24	103,103,103,103	0
56	MG	RA	3700	1/1	0.77	0.30	104,104,104,104	0
56	MG	YA	3339	1/1	0.77	0.23	62,62,62,62	0
56	MG	RA	3997	1/1	0.77	0.63	106,106,106,106	0
56	MG	RA	3518	1/1	0.77	0.46	96,96,96,96	0
56	MG	RA	3705	1/1	0.77	0.26	89,89,89,89	0
56	MG	QA	1609	1/1	0.77	0.14	95,95,95,95	0
56	MG	QA	1794	1/1	0.77	0.19	72,72,72,72	0
56	MG	RA	3385	1/1	0.77	0.61	62,62,62,62	0
56	MG	QA	1660	1/1	0.77	0.25	81,81,81,81	0
56	MG	RA	4008	1/1	0.77	0.32	92,92,92,92	0
56	MG	RR	201	1/1	0.77	0.69	98,98,98,98	0
56	MG	RA	3604	1/1	0.77	1.10	107,107,107,107	0
56	MG	QG	201	1/1	0.77	0.31	101,101,101,101	0
56	MG	RA	3320	1/1	0.77	0.42	62,62,62,62	0
56	MG	RA	3119	1/1	0.77	0.41	94,94,94,94	0
56	MG	XA	1725	1/1	0.77	0.32	85,85,85,85	0
56	MG	YA	3726	1/1	0.77	0.22	85,85,85,85	0
56	MG	RA	3255	1/1	0.77	0.54	97,97,97,97	0
56	MG	QI	201	1/1	0.77	0.19	100,100,100,100	0
56	MG	RV	202	1/1	0.77	0.16	86,86,86,86	0
56	MG	RA	3467	1/1	0.77	0.40	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3459	1/1	0.77	0.17	63,63,63,63	0
56	MG	YA	3443	1/1	0.77	0.24	83,83,83,83	0
56	MG	XA	1696	1/1	0.77	0.45	67,67,67,67	0
56	MG	RA	3472	1/1	0.77	0.27	78,78,78,78	0
56	MG	RA	4039	1/1	0.77	0.23	92,92,92,92	0
56	MG	RA	3539	1/1	0.77	0.10	98,98,98,98	0
56	MG	QA	1712	1/1	0.77	0.23	75,75,75,75	0
56	MG	RA	3405	1/1	0.77	0.16	85,85,85,85	0
56	MG	RA	3825	1/1	0.77	0.23	85,85,85,85	0
56	MG	XA	1664	1/1	0.77	0.27	102,102,102,102	0
56	MG	XA	1739	1/1	0.77	0.33	82,82,82,82	0
56	MG	YA	3409	1/1	0.77	0.54	95,95,95,95	0
56	MG	QA	1621	1/1	0.77	0.10	85,85,85,85	0
56	MG	YA	3109	1/1	0.77	0.32	85,85,85,85	0
56	MG	YA	3531	1/1	0.77	0.40	80,80,80,80	0
56	MG	YA	3213	1/1	0.77	0.28	63,63,63,63	0
56	MG	XA	1607	1/1	0.77	0.10	95,95,95,95	0
56	MG	YA	3682	1/1	0.77	0.34	62,62,62,62	0
56	MG	RA	3555	1/1	0.77	0.40	80,80,80,80	0
56	MG	YA	3685	1/1	0.77	0.41	87,87,87,87	0
56	MG	YA	3203	1/1	0.77	0.25	93,93,93,93	0
56	MG	XA	1708	1/1	0.77	0.24	75,75,75,75	0
56	MG	QA	1684	1/1	0.77	0.17	97,97,97,97	0
56	MG	RA	3686	1/1	0.78	0.33	97,97,97,97	0
56	MG	YA	3565	1/1	0.78	0.23	64,64,64,64	0
56	MG	YA	3570	1/1	0.78	0.41	62,62,62,62	0
56	MG	RA	3616	1/1	0.78	0.34	62,62,62,62	0
56	MG	QA	1878	1/1	0.78	0.21	98,98,98,98	0
56	MG	YA	3485	1/1	0.78	0.40	62,62,62,62	0
56	MG	YA	3169	1/1	0.78	0.44	85,85,85,85	0
56	MG	RE	306	1/1	0.78	0.24	63,63,63,63	0
56	MG	QA	1669	1/1	0.78	0.41	81,81,81,81	0
56	MG	RA	3928	1/1	0.78	0.37	90,90,90,90	0
56	MG	RA	3390	1/1	0.78	0.37	65,65,65,65	0
56	MG	YA	3549	1/1	0.78	0.41	90,90,90,90	0
56	MG	RA	3706	1/1	0.78	0.26	78,78,78,78	0
56	MG	QA	1703	1/1	0.78	0.30	63,63,63,63	0
56	MG	YA	3196	1/1	0.78	0.18	91,91,91,91	0
56	MG	XA	1613	1/1	0.78	0.13	73,73,73,73	0
56	MG	RA	3854	1/1	0.78	0.90	87,87,87,87	0
56	MG	YA	3514	1/1	0.78	0.32	62,62,62,62	0
56	MG	YA	3037	1/1	0.78	0.17	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	4031	1/1	0.78	0.44	108,108,108,108	0
56	MG	RN	201	1/1	0.78	0.32	91,91,91,91	0
56	MG	RA	3211	1/1	0.78	0.15	78,78,78,78	0
56	MG	RA	3511	1/1	0.78	0.18	71,71,71,71	0
56	MG	QA	1815	1/1	0.78	0.16	87,87,87,87	0
56	MG	YA	3211	1/1	0.78	0.16	98,98,98,98	0
56	MG	YQ	201	1/1	0.78	0.26	69,69,69,69	0
56	MG	RA	3345	1/1	0.78	0.28	62,62,62,62	0
56	MG	YA	3518	1/1	0.78	0.29	70,70,70,70	0
56	MG	RA	3159	1/1	0.78	0.56	94,94,94,94	0
56	MG	YA	3212	1/1	0.78	0.14	87,87,87,87	0
56	MG	RA	4057	1/1	0.78	0.33	97,97,97,97	0
56	MG	RA	3162	1/1	0.78	0.17	83,83,83,83	0
56	MG	RA	3110	1/1	0.78	0.29	94,94,94,94	0
56	MG	RA	3733	1/1	0.78	0.07	79,79,79,79	0
56	MG	YA	3362	1/1	0.78	0.38	70,70,70,70	0
56	MG	RA	3957	1/1	0.78	0.37	79,79,79,79	0
56	MG	RA	3650	1/1	0.78	0.12	76,76,76,76	0
56	MG	YA	3057	1/1	0.78	0.20	90,90,90,90	0
56	MG	QA	1822	1/1	0.78	0.10	97,97,97,97	0
56	MG	YA	3273	1/1	0.78	0.23	84,84,84,84	0
56	MG	QA	1862	1/1	0.78	0.12	82,82,82,82	0
56	MG	RA	3657	1/1	0.78	0.33	70,70,70,70	0
56	MG	YD	309	1/1	0.78	0.24	62,62,62,62	0
56	MG	RA	3886	1/1	0.78	0.74	97,97,97,97	0
56	MG	QA	1649	1/1	0.78	0.16	73,73,73,73	0
56	MG	R3	102	1/1	0.78	0.44	102,102,102,102	0
56	MG	RA	3661	1/1	0.78	0.33	73,73,73,73	0
56	MG	RA	3420	1/1	0.78	0.43	62,62,62,62	0
56	MG	YA	3542	1/1	0.78	0.36	71,71,71,71	0
56	MG	RA	3121	1/1	0.78	0.43	100,100,100,100	0
56	MG	QA	1614	1/1	0.78	0.19	85,85,85,85	0
56	MG	YE	302	1/1	0.78	0.95	95,95,95,95	0
56	MG	RA	3178	1/1	0.78	0.36	107,107,107,107	0
56	MG	RA	3674	1/1	0.78	0.37	70,70,70,70	0
56	MG	YA	3639	1/1	0.78	0.42	65,65,65,65	0
56	MG	YA	3640	1/1	0.78	0.25	70,70,70,70	0
56	MG	RA	3906	1/1	0.78	0.35	62,62,62,62	0
56	MG	XA	1719	1/1	0.78	0.36	78,78,78,78	0
56	MG	YA	3379	1/1	0.78	0.26	73,73,73,73	0
56	MG	QA	1797	1/1	0.78	0.37	75,75,75,75	0
56	MG	XA	1606	1/1	0.78	0.24	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1838	1/1	0.78	0.29	87,87,87,87	0
56	MG	RA	3931	1/1	0.79	0.30	78,78,78,78	0
56	MG	YA	3410	1/1	0.79	0.35	68,68,68,68	0
56	MG	RA	3856	1/1	0.79	0.44	77,77,77,77	0
56	MG	YA	3728	1/1	0.79	0.72	89,89,89,89	0
56	MG	YA	3268	1/1	0.79	0.25	83,83,83,83	0
56	MG	YA	3299	1/1	0.79	0.25	64,64,64,64	0
56	MG	XA	1759	1/1	0.79	0.34	68,68,68,68	0
56	MG	RF	307	1/1	0.79	0.42	74,74,74,74	0
56	MG	RA	3646	1/1	0.79	0.27	92,92,92,92	0
56	MG	XA	1654	1/1	0.79	0.49	87,87,87,87	0
56	MG	QA	1826	1/1	0.79	0.62	110,110,110,110	0
56	MG	YB	216	1/1	0.79	0.22	66,66,66,66	0
56	MG	XA	1764	1/1	0.79	0.11	73,73,73,73	0
56	MG	YA	3731	1/1	0.79	0.38	78,78,78,78	0
56	MG	RA	3060	1/1	0.79	0.25	83,83,83,83	0
56	MG	YB	219	1/1	0.79	0.24	63,63,63,63	0
56	MG	RA	3528	1/1	0.79	0.49	81,81,81,81	0
56	MG	YA	3138	1/1	0.79	0.36	72,72,72,72	0
56	MG	QA	1641	1/1	0.79	0.14	95,95,95,95	0
56	MG	YA	3491	1/1	0.79	0.27	91,91,91,91	0
56	MG	YA	3416	1/1	0.79	0.39	75,75,75,75	0
56	MG	YA	3453	1/1	0.79	0.15	79,79,79,79	0
56	MG	RA	3665	1/1	0.79	0.24	62,62,62,62	0
56	MG	RA	4060	1/1	0.79	0.83	109,109,109,109	0
56	MG	RA	3139	1/1	0.79	0.11	89,89,89,89	0
56	MG	RA	3021	1/1	0.79	0.24	103,103,103,103	0
56	MG	XA	1634	1/1	0.79	0.31	69,69,69,69	0
56	MG	RA	3431	1/1	0.79	0.31	63,63,63,63	0
56	MG	QA	1800	1/1	0.79	0.23	85,85,85,85	0
56	MG	YA	3711	1/1	0.79	0.35	83,83,83,83	0
56	MG	YA	3398	1/1	0.79	0.49	63,63,63,63	0
56	MG	RA	3753	1/1	0.79	0.33	92,92,92,92	0
56	MG	YA	3110	1/1	0.79	0.27	62,62,62,62	0
56	MG	YA	3272	1/1	0.79	0.27	77,77,77,77	0
56	MG	YA	3185	1/1	0.79	0.88	99,99,99,99	0
56	MG	RA	3383	1/1	0.79	0.23	63,63,63,63	0
56	MG	QA	1731	1/1	0.79	0.41	76,76,76,76	0
56	MG	RA	3973	1/1	0.79	0.12	99,99,99,99	0
56	MG	YA	3020	1/1	0.79	0.21	96,96,96,96	0
56	MG	RA	3201	1/1	0.79	0.25	96,96,96,96	0
56	MG	RA	3387	1/1	0.79	0.22	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3148	1/1	0.79	0.25	63,63,63,63	0
56	MG	RA	3696	1/1	0.79	0.25	82,82,82,82	0
56	MG	YA	3571	1/1	0.79	0.35	64,64,64,64	0
56	MG	RA	3917	1/1	0.79	0.27	92,92,92,92	0
56	MG	QA	1695	1/1	0.79	0.30	93,93,93,93	0
56	MG	RA	3767	1/1	0.79	0.34	63,63,63,63	0
56	MG	YA	3673	1/1	0.79	0.39	66,66,66,66	0
56	MG	RA	3769	1/1	0.79	0.22	85,85,85,85	0
56	MG	R9	103	1/1	0.79	0.27	93,93,93,93	0
56	MG	XA	1748	1/1	0.79	0.29	79,79,79,79	0
56	MG	YA	3152	1/1	0.79	0.26	83,83,83,83	0
56	MG	RA	3216	1/1	0.79	0.74	104,104,104,104	0
56	MG	YA	3012	1/1	0.79	0.21	70,70,70,70	0
56	MG	YA	3019	1/1	0.79	0.70	102,102,102,102	0
56	MG	RA	3287	1/1	0.79	0.22	102,102,102,102	0
56	MG	RA	3288	1/1	0.79	0.34	96,96,96,96	0
56	MG	YO	201	1/1	0.79	0.24	86,86,86,86	0
56	MG	RA	3569	1/1	0.79	0.33	62,62,62,62	0
56	MG	XA	1729	1/1	0.80	0.14	83,83,83,83	0
56	MG	RA	3692	1/1	0.80	0.22	84,84,84,84	0
56	MG	XA	1772	1/1	0.80	0.16	76,76,76,76	0
56	MG	YA	3159	1/1	0.80	0.12	76,76,76,76	0
56	MG	YA	3554	1/1	0.80	0.35	79,79,79,79	0
56	MG	YA	3619	1/1	0.80	0.18	65,65,65,65	0
56	MG	RA	3625	1/1	0.80	0.34	73,73,73,73	0
56	MG	RA	3557	1/1	0.80	0.26	94,94,94,94	0
56	MG	XA	1738	1/1	0.80	0.26	64,64,64,64	0
56	MG	XA	1777	1/1	0.80	0.27	74,74,74,74	0
56	MG	RA	3631	1/1	0.80	0.41	94,94,94,94	0
56	MG	YA	3371	1/1	0.80	0.55	68,68,68,68	0
56	MG	YA	3226	1/1	0.80	0.20	87,87,87,87	0
56	MG	RA	3447	1/1	0.80	0.32	78,78,78,78	0
56	MG	XA	1741	1/1	0.80	0.29	78,78,78,78	0
56	MG	YA	3317	1/1	0.80	0.31	69,69,69,69	0
56	MG	YA	3462	1/1	0.80	0.36	97,97,97,97	0
56	MG	RA	3638	1/1	0.80	0.15	85,85,85,85	0
56	MG	RA	3010	1/1	0.80	0.28	79,79,79,79	0
56	MG	RA	3137	1/1	0.80	0.52	102,102,102,102	0
56	MG	YA	3438	1/1	0.80	0.27	80,80,80,80	0
56	MG	XA	1709	1/1	0.80	0.32	88,88,88,88	0
56	MG	QA	1667	1/1	0.80	0.18	92,92,92,92	0
56	MG	YA	3626	1/1	0.80	0.38	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1872	1/1	0.80	0.41	70,70,70,70	0
56	MG	RA	3956	1/1	0.80	0.14	80,80,80,80	0
56	MG	RA	3647	1/1	0.80	0.41	102,102,102,102	0
56	MG	RA	3459	1/1	0.80	0.15	88,88,88,88	0
56	MG	RA	3805	1/1	0.80	0.18	97,97,97,97	0
56	MG	YA	3130	1/1	0.80	0.65	90,90,90,90	0
56	MG	RA	3577	1/1	0.80	0.20	69,69,69,69	0
56	MG	YA	3653	1/1	0.80	0.34	64,64,64,64	0
56	MG	QA	1627	1/1	0.80	0.12	79,79,79,79	0
56	MG	RA	3024	1/1	0.80	0.59	105,105,105,105	0
56	MG	RA	3207	1/1	0.80	0.50	96,96,96,96	0
56	MG	YA	3228	1/1	0.80	0.18	73,73,73,73	0
56	MG	RA	3088	1/1	0.80	0.34	98,98,98,98	0
56	MG	YA	3281	1/1	0.80	0.25	62,62,62,62	0
56	MG	YA	3312	1/1	0.80	0.41	80,80,80,80	0
56	MG	RA	3094	1/1	0.80	0.52	85,85,85,85	0
56	MG	YA	3456	1/1	0.80	0.41	84,84,84,84	0
56	MG	QA	1715	1/1	0.80	0.24	71,71,71,71	0
56	MG	RA	3666	1/1	0.80	0.33	80,80,80,80	0
56	MG	YA	3611	1/1	0.80	0.62	62,62,62,62	0
56	MG	QA	1802	1/1	0.80	0.26	82,82,82,82	0
56	MG	YA	3282	1/1	0.80	0.33	62,62,62,62	0
56	MG	YA	3614	1/1	0.80	0.25	68,68,68,68	0
56	MG	RA	3363	1/1	0.80	0.30	91,91,91,91	0
56	MG	YA	3743	1/1	0.80	0.34	63,63,63,63	0
56	MG	RB	222	1/1	0.80	0.18	79,79,79,79	0
56	MG	YA	3747	1/1	0.80	0.39	98,98,98,98	0
56	MG	Y7	101	1/1	0.80	0.35	99,99,99,99	0
56	MG	RA	3304	1/1	0.80	0.37	76,76,76,76	0
56	MG	YA	3572	1/1	0.80	0.33	72,72,72,72	0
56	MG	XA	1602	1/1	0.80	0.17	88,88,88,88	0
56	MG	QA	1601	1/1	0.80	0.25	101,101,101,101	0
56	MG	YA	3717	1/1	0.80	0.53	100,100,100,100	0
56	MG	YA	3665	1/1	0.80	0.32	63,63,63,63	0
56	MG	RA	3117	1/1	0.80	0.27	96,96,96,96	0
56	MG	RA	4005	1/1	0.80	0.23	80,80,80,80	0
56	MG	YA	3039	1/1	0.81	0.15	67,67,67,67	0
56	MG	YA	3063	1/1	0.81	0.22	92,92,92,92	0
56	MG	RA	3210	1/1	0.81	0.64	110,110,110,110	0
56	MG	YA	3189	1/1	0.81	0.26	83,83,83,83	0
56	MG	Y0	101	1/1	0.81	0.42	78,78,78,78	0
56	MG	YA	3532	1/1	0.81	0.18	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1798	1/1	0.81	0.28	89,89,89,89	0
56	MG	YA	3749	1/1	0.81	0.30	90,90,90,90	0
56	MG	RA	3446	1/1	0.81	0.31	77,77,77,77	0
56	MG	RG	202	1/1	0.81	0.15	86,86,86,86	0
56	MG	YA	3512	1/1	0.81	0.29	74,74,74,74	0
56	MG	XA	1631	1/1	0.81	0.31	88,88,88,88	0
56	MG	RA	3884	1/1	0.81	0.21	96,96,96,96	0
56	MG	RA	3395	1/1	0.81	0.35	62,62,62,62	0
56	MG	QA	1652	1/1	0.81	0.15	83,83,83,83	0
56	MG	YA	3612	1/1	0.81	0.37	64,64,64,64	0
56	MG	RA	3452	1/1	0.81	0.35	62,62,62,62	0
56	MG	RA	3398	1/1	0.81	0.47	80,80,80,80	0
56	MG	RA	3894	1/1	0.81	0.43	69,69,69,69	0
56	MG	YE	304	1/1	0.81	0.18	71,71,71,71	0
56	MG	YA	3585	1/1	0.81	0.33	64,64,64,64	0
56	MG	QA	1618	1/1	0.81	0.12	101,101,101,101	0
56	MG	YA	3080	1/1	0.81	0.19	84,84,84,84	0
56	MG	QA	1696	1/1	0.81	0.39	71,71,71,71	0
56	MG	YA	3175	1/1	0.81	0.40	101,101,101,101	0
56	MG	YA	3329	1/1	0.81	0.34	62,62,62,62	0
56	MG	YA	3360	1/1	0.81	0.62	62,62,62,62	0
56	MG	YA	3330	1/1	0.81	0.38	62,62,62,62	0
56	MG	RA	3083	1/1	0.81	0.32	95,95,95,95	0
56	MG	RU	203	1/1	0.81	0.26	81,81,81,81	0
56	MG	YA	3446	1/1	0.81	0.40	89,89,89,89	0
56	MG	RA	3774	1/1	0.81	0.30	64,64,64,64	0
56	MG	XA	1731	1/1	0.81	0.17	82,82,82,82	0
56	MG	RA	3185	1/1	0.81	0.22	85,85,85,85	0
56	MG	RA	3841	1/1	0.81	0.20	91,91,91,91	0
56	MG	YA	3136	1/1	0.81	0.26	65,65,65,65	0
56	MG	RA	3090	1/1	0.81	0.26	84,84,84,84	0
56	MG	R1	101	1/1	0.81	0.37	89,89,89,89	0
56	MG	RA	3846	1/1	0.81	0.23	98,98,98,98	0
56	MG	QA	1631	1/1	0.81	0.12	73,73,73,73	0
56	MG	RA	3192	1/1	0.81	0.33	83,83,83,83	0
56	MG	RA	3585	1/1	0.81	0.10	77,77,77,77	0
56	MG	YA	3622	1/1	0.81	0.28	66,66,66,66	0
56	MG	YA	3544	1/1	0.81	0.27	63,63,63,63	0
56	MG	QA	1634	1/1	0.81	0.16	68,68,68,68	0
56	MG	RA	3530	1/1	0.81	0.26	62,62,62,62	0
56	MG	RA	4003	1/1	0.81	0.27	92,92,92,92	0
56	MG	R7	101	1/1	0.81	0.16	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3424	1/1	0.81	0.37	62,62,62,62	0
56	MG	RA	3373	1/1	0.81	0.34	82,82,82,82	0
56	MG	XA	1736	1/1	0.81	0.32	70,70,70,70	0
56	MG	RA	3260	1/1	0.81	0.23	99,99,99,99	0
56	MG	YA	3449	1/1	0.81	0.22	66,66,66,66	0
56	MG	QA	1861	1/1	0.81	0.31	72,72,72,72	0
56	MG	RA	3737	1/1	0.81	0.25	84,84,84,84	0
56	MG	YA	3400	1/1	0.81	0.38	75,75,75,75	0
56	MG	RE	302	1/1	0.81	0.45	97,97,97,97	0
56	MG	YA	3214	1/1	0.81	0.14	76,76,76,76	0
56	MG	YA	3131	1/1	0.81	0.29	105,105,105,105	0
56	MG	YA	3240	1/1	0.81	0.33	93,93,93,93	0
56	MG	RA	3249	1/1	0.82	0.27	99,99,99,99	0
56	MG	XA	1678	1/1	0.82	0.24	72,72,72,72	0
56	MG	YA	3147	1/1	0.82	0.28	86,86,86,86	0
56	MG	QA	1811	1/1	0.82	0.14	78,78,78,78	0
56	MG	YA	3714	1/1	0.82	0.34	85,85,85,85	0
56	MG	XA	1771	1/1	0.82	0.33	72,72,72,72	0
56	MG	RA	3766	1/1	0.82	0.44	71,71,71,71	0
56	MG	RA	3695	1/1	0.82	0.92	107,107,107,107	0
56	MG	YA	3377	1/1	0.82	0.35	62,62,62,62	0
56	MG	QA	1777	1/1	0.82	0.30	83,83,83,83	0
56	MG	RA	3845	1/1	0.82	0.53	97,97,97,97	0
56	MG	RA	3321	1/1	0.82	0.29	63,63,63,63	0
56	MG	RA	3441	1/1	0.82	0.31	67,67,67,67	0
56	MG	RA	3702	1/1	0.82	0.24	83,83,83,83	0
56	MG	RA	4017	1/1	0.82	0.33	92,92,92,92	0
56	MG	YA	3047	1/1	0.82	0.29	86,86,86,86	0
56	MG	RA	3704	1/1	0.82	0.25	82,82,82,82	0
56	MG	RA	3037	1/1	0.82	0.27	100,100,100,100	0
56	MG	YA	3560	1/1	0.82	0.25	64,64,64,64	0
56	MG	RA	3269	1/1	0.82	0.14	90,90,90,90	0
56	MG	RA	3271	1/1	0.82	0.28	97,97,97,97	0
56	MG	RA	3202	1/1	0.82	0.18	87,87,87,87	0
56	MG	QA	1744	1/1	0.82	0.36	77,77,77,77	0
56	MG	QA	1602	1/1	0.82	0.09	88,88,88,88	0
56	MG	RA	3785	1/1	0.82	0.15	83,83,83,83	0
56	MG	RA	3275	1/1	0.82	0.52	110,110,110,110	0
56	MG	YA	3502	1/1	0.82	0.15	71,71,71,71	0
56	MG	YA	3115	1/1	0.82	0.09	77,77,77,77	0
56	MG	RA	4047	1/1	0.82	0.40	97,97,97,97	0
56	MG	RA	3790	1/1	0.82	0.17	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3123	1/1	0.82	0.35	105,105,105,105	0
56	MG	RA	3339	1/1	0.82	0.26	86,86,86,86	0
56	MG	QA	1676	1/1	0.82	0.12	97,97,97,97	0
56	MG	RT	201	1/1	0.82	0.19	78,78,78,78	0
56	MG	YA	3304	1/1	0.82	0.28	82,82,82,82	0
56	MG	XA	1688	1/1	0.82	0.15	97,97,97,97	0
56	MG	RA	3163	1/1	0.82	0.53	88,88,88,88	0
56	MG	RA	3874	1/1	0.82	0.40	63,63,63,63	0
56	MG	RA	3001	1/1	0.82	0.21	91,91,91,91	0
56	MG	YA	3523	1/1	0.82	0.36	72,72,72,72	0
56	MG	RA	4068	1/1	0.82	0.28	91,91,91,91	0
56	MG	RV	203	1/1	0.82	0.20	83,83,83,83	0
56	MG	YA	3545	1/1	0.82	0.26	82,82,82,82	0
56	MG	YA	3077	1/1	0.82	0.48	107,107,107,107	0
56	MG	RA	3463	1/1	0.82	0.28	69,69,69,69	0
56	MG	YA	3671	1/1	0.82	0.36	62,62,62,62	0
56	MG	RA	3465	1/1	0.82	0.23	69,69,69,69	0
56	MG	XA	1784	1/1	0.82	0.21	80,80,80,80	0
56	MG	YA	3167	1/1	0.82	0.28	87,87,87,87	0
56	MG	YA	3368	1/1	0.82	0.36	62,62,62,62	0
56	MG	QA	1760	1/1	0.82	0.65	97,97,97,97	0
56	MG	YA	3353	1/1	0.82	0.56	68,68,68,68	0
56	MG	RA	3593	1/1	0.82	0.51	84,84,84,84	0
56	MG	RA	3595	1/1	0.82	0.15	91,91,91,91	0
56	MG	RA	3064	1/1	0.82	0.12	81,81,81,81	0
56	MG	YA	3675	1/1	0.82	0.24	68,68,68,68	0
56	MG	RA	3128	1/1	0.82	0.21	85,85,85,85	0
56	MG	YA	3651	1/1	0.82	0.30	78,78,78,78	0
56	MG	YA	3206	1/1	0.82	0.18	73,73,73,73	0
56	MG	RA	3980	1/1	0.82	0.25	77,77,77,77	0
56	MG	RA	3422	1/1	0.82	0.23	73,73,73,73	0
56	MG	YA	3296	1/1	0.82	0.44	62,62,62,62	0
56	MG	RA	3538	1/1	0.82	0.32	95,95,95,95	0
56	MG	RB	224	1/1	0.82	0.17	86,86,86,86	0
56	MG	YA	3180	1/1	0.82	0.19	73,73,73,73	0
56	MG	YA	3533	1/1	0.82	0.19	76,76,76,76	0
56	MG	XV	101	1/1	0.82	0.14	87,87,87,87	0
56	MG	RA	3992	1/1	0.82	0.18	101,101,101,101	0
56	MG	QA	1625	1/1	0.82	0.33	88,88,88,88	0
56	MG	YA	3359	1/1	0.82	0.47	62,62,62,62	0
57	ZN	YY	201	1/1	0.82	0.15	167,167,167,167	0
56	MG	XF	201	1/1	0.82	0.10	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	ZN	R4	101	1/1	0.82	0.33	177,177,177,177	0
56	MG	XA	1753	1/1	0.83	0.15	81,81,81,81	0
56	MG	YA	3482	1/1	0.83	0.48	62,62,62,62	0
56	MG	RA	3613	1/1	0.83	0.33	75,75,75,75	0
56	MG	RA	3428	1/1	0.83	0.28	92,92,92,92	0
56	MG	YA	3181	1/1	0.83	0.18	93,93,93,93	0
56	MG	YA	3528	1/1	0.83	0.27	72,72,72,72	0
56	MG	RA	3005	1/1	0.83	0.15	91,91,91,91	0
56	MG	RA	3082	1/1	0.83	0.69	100,100,100,100	0
56	MG	QA	1857	1/1	0.83	0.19	83,83,83,83	0
56	MG	RA	3254	1/1	0.83	0.58	105,105,105,105	0
56	MG	RA	3910	1/1	0.83	0.18	83,83,83,83	0
56	MG	RA	3916	1/1	0.83	0.19	71,71,71,71	0
56	MG	YA	3606	1/1	0.83	0.26	62,62,62,62	0
56	MG	YA	3354	1/1	0.83	0.50	84,84,84,84	0
56	MG	RA	3348	1/1	0.83	0.25	74,74,74,74	0
56	MG	RA	3046	1/1	0.83	0.44	99,99,99,99	0
56	MG	XA	1647	1/1	0.83	0.26	70,70,70,70	0
56	MG	RA	3855	1/1	0.83	0.29	71,71,71,71	0
56	MG	YA	3369	1/1	0.83	0.37	72,72,72,72	0
56	MG	RA	3215	1/1	0.83	0.19	90,90,90,90	0
56	MG	RA	3012	1/1	0.83	0.17	84,84,84,84	0
56	MG	RA	3987	1/1	0.83	0.17	79,79,79,79	0
56	MG	RA	3267	1/1	0.83	0.22	85,85,85,85	0
56	MG	RA	3689	1/1	0.83	0.17	85,85,85,85	0
56	MG	QA	1743	1/1	0.83	0.24	71,71,71,71	0
56	MG	XA	1666	1/1	0.83	0.14	92,92,92,92	0
56	MG	RA	3580	1/1	0.83	0.32	64,64,64,64	0
56	MG	YA	3337	1/1	0.83	0.16	76,76,76,76	0
56	MG	RA	3932	1/1	0.83	0.26	88,88,88,88	0
56	MG	QF	201	1/1	0.83	0.19	75,75,75,75	0
56	MG	RA	3934	1/1	0.83	0.19	81,81,81,81	0
56	MG	RA	3697	1/1	0.83	0.46	101,101,101,101	0
56	MG	RA	3104	1/1	0.83	0.20	77,77,77,77	0
56	MG	QA	1656	1/1	0.83	0.25	78,78,78,78	0
56	MG	RA	3870	1/1	0.83	0.38	86,86,86,86	0
56	MG	YA	3466	1/1	0.83	0.30	79,79,79,79	0
56	MG	RA	3540	1/1	0.83	0.37	68,68,68,68	0
56	MG	QA	1725	1/1	0.83	0.30	76,76,76,76	0
56	MG	YA	3209	1/1	0.83	0.30	85,85,85,85	0
56	MG	YA	3479	1/1	0.83	0.34	62,62,62,62	0
56	MG	RA	3323	1/1	0.83	0.15	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3026	1/1	0.83	0.36	100,100,100,100	0
56	MG	YA	3191	1/1	0.83	0.26	86,86,86,86	0
56	MG	R7	102	1/1	0.83	0.33	75,75,75,75	0
56	MG	RA	3714	1/1	0.83	0.32	63,63,63,63	0
56	MG	RA	3374	1/1	0.83	0.34	72,72,72,72	0
56	MG	XA	1603	1/1	0.83	0.26	83,83,83,83	0
56	MG	YA	3537	1/1	0.83	0.32	62,62,62,62	0
56	MG	RA	3719	1/1	0.83	0.30	79,79,79,79	0
56	MG	YA	3165	1/1	0.83	0.24	100,100,100,100	0
56	MG	RA	3331	1/1	0.83	0.39	75,75,75,75	0
56	MG	RA	4035	1/1	0.83	0.24	90,90,90,90	0
56	MG	QQ	201	1/1	0.83	0.17	91,91,91,91	0
56	MG	RA	3605	1/1	0.83	0.29	90,90,90,90	0
56	MG	RF	305	1/1	0.83	0.55	101,101,101,101	0
56	MG	RF	306	1/1	0.83	0.62	106,106,106,106	0
56	MG	QA	1707	1/1	0.83	0.33	66,66,66,66	0
56	MG	QA	1623	1/1	0.83	0.16	86,86,86,86	0
56	MG	RA	4044	1/1	0.83	0.95	106,106,106,106	0
56	MG	RB	214	1/1	0.84	0.38	67,67,67,67	0
56	MG	YA	3314	1/1	0.84	0.19	69,69,69,69	0
56	MG	YA	3687	1/1	0.84	0.31	62,62,62,62	0
56	MG	RA	3070	1/1	0.84	0.43	85,85,85,85	0
56	MG	RA	3912	1/1	0.84	0.23	78,78,78,78	0
56	MG	QA	1638	1/1	0.84	0.24	75,75,75,75	0
56	MG	RA	3403	1/1	0.84	0.23	87,87,87,87	0
56	MG	RA	3863	1/1	0.84	0.16	86,86,86,86	0
56	MG	RA	3045	1/1	0.84	0.36	86,86,86,86	0
56	MG	RA	3771	1/1	0.84	0.33	72,72,72,72	0
56	MG	YA	3657	1/1	0.84	0.35	81,81,81,81	0
56	MG	QA	1803	1/1	0.84	0.28	81,81,81,81	0
56	MG	RA	3263	1/1	0.84	0.66	93,93,93,93	0
56	MG	RA	4036	1/1	0.84	0.35	99,99,99,99	0
56	MG	RD	301	1/1	0.84	0.54	93,93,93,93	0
56	MG	RA	3336	1/1	0.84	0.23	86,86,86,86	0
56	MG	YA	3060	1/1	0.84	0.14	68,68,68,68	0
56	MG	YB	204	1/1	0.84	0.18	95,95,95,95	0
56	MG	YA	3530	1/1	0.84	0.26	102,102,102,102	0
56	MG	XA	1628	1/1	0.84	0.13	79,79,79,79	0
56	MG	R0	103	1/1	0.84	0.29	70,70,70,70	0
56	MG	R0	104	1/1	0.84	0.19	86,86,86,86	0
56	MG	RA	3087	1/1	0.84	1.24	113,113,113,113	0
56	MG	RD	314	1/1	0.84	0.25	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3645	1/1	0.84	0.12	85,85,85,85	0
56	MG	YA	3511	1/1	0.84	0.36	62,62,62,62	0
56	MG	YA	3740	1/1	0.84	0.23	96,96,96,96	0
56	MG	YT	201	1/1	0.84	0.22	85,85,85,85	0
56	MG	YA	3029	1/1	0.84	0.39	62,62,62,62	0
56	MG	RA	3882	1/1	0.84	0.43	87,87,87,87	0
56	MG	RA	3610	1/1	0.84	0.20	91,91,91,91	0
56	MG	RA	3127	1/1	0.84	0.21	81,81,81,81	0
56	MG	RA	3421	1/1	0.84	0.25	62,62,62,62	0
56	MG	RA	3349	1/1	0.84	0.22	68,68,68,68	0
56	MG	YA	3290	1/1	0.84	0.35	91,91,91,91	0
56	MG	RA	3752	1/1	0.84	0.08	85,85,85,85	0
56	MG	YA	3325	1/1	0.84	0.27	62,62,62,62	0
56	MG	RA	3130	1/1	0.84	0.13	85,85,85,85	0
56	MG	YB	212	1/1	0.84	0.40	79,79,79,79	0
56	MG	RA	3099	1/1	0.84	0.16	94,94,94,94	0
56	MG	YA	3069	1/1	0.84	0.50	98,98,98,98	0
56	MG	YA	3002	1/1	0.84	0.24	75,75,75,75	0
56	MG	XA	1721	1/1	0.84	0.37	78,78,78,78	0
56	MG	XA	1658	1/1	0.84	0.35	86,86,86,86	0
56	MG	RA	3667	1/1	0.84	0.18	88,88,88,88	0
56	MG	YA	3009	1/1	0.84	0.24	70,70,70,70	0
56	MG	RA	3507	1/1	0.84	0.22	75,75,75,75	0
56	MG	RA	3954	1/1	0.84	0.11	82,82,82,82	0
56	MG	YA	3616	1/1	0.84	0.25	65,65,65,65	0
56	MG	RA	3914	1/1	0.85	0.36	70,70,70,70	0
56	MG	RA	3102	1/1	0.85	0.14	88,88,88,88	0
56	MG	YA	3266	1/1	0.85	0.13	91,91,91,91	0
56	MG	YA	3647	1/1	0.85	0.59	62,62,62,62	0
56	MG	RA	3795	1/1	0.85	0.29	75,75,75,75	0
56	MG	RA	3976	1/1	0.85	0.19	76,76,76,76	0
56	MG	YA	3564	1/1	0.85	0.25	63,63,63,63	0
56	MG	YA	3712	1/1	0.85	0.37	80,80,80,80	0
56	MG	RA	3694	1/1	0.85	0.25	93,93,93,93	0
56	MG	YA	3650	1/1	0.85	0.38	76,76,76,76	0
56	MG	RA	3982	1/1	0.85	0.07	79,79,79,79	0
56	MG	RA	3325	1/1	0.85	0.32	77,77,77,77	0
56	MG	RA	3231	1/1	0.85	0.99	89,89,89,89	0
56	MG	RA	3985	1/1	0.85	0.29	70,70,70,70	0
56	MG	YA	3680	1/1	0.85	0.44	62,62,62,62	0
56	MG	XA	1730	1/1	0.85	0.30	88,88,88,88	0
56	MG	RA	3149	1/1	0.85	0.14	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	XA	1621	1/1	0.85	0.12	83,83,83,83	0
56	MG	XA	1760	1/1	0.85	0.24	67,67,67,67	0
56	MG	YA	3357	1/1	0.85	0.35	78,78,78,78	0
56	MG	RA	3193	1/1	0.85	0.34	103,103,103,103	0
56	MG	RA	3071	1/1	0.85	0.52	86,86,86,86	0
56	MG	YA	3384	1/1	0.85	0.38	64,64,64,64	0
56	MG	RA	3708	1/1	0.85	0.43	77,77,77,77	0
56	MG	RA	4001	1/1	0.85	0.22	62,62,62,62	0
56	MG	XA	1604	1/1	0.85	0.33	98,98,98,98	0
56	MG	RA	3713	1/1	0.85	0.39	89,89,89,89	0
56	MG	XA	1689	1/1	0.85	0.20	75,75,75,75	0
56	MG	RA	3821	1/1	0.85	0.16	76,76,76,76	0
56	MG	RA	3297	1/1	0.85	0.12	102,102,102,102	0
56	MG	QA	1663	1/1	0.85	0.11	90,90,90,90	0
56	MG	YD	307	1/1	0.85	0.39	79,79,79,79	0
56	MG	YA	3363	1/1	0.85	0.35	75,75,75,75	0
56	MG	QA	1716	1/1	0.85	0.36	75,75,75,75	0
56	MG	R1	103	1/1	0.85	0.18	76,76,76,76	0
56	MG	RA	4011	1/1	0.85	0.43	102,102,102,102	0
56	MG	YA	3517	1/1	0.85	0.46	97,97,97,97	0
56	MG	YA	3448	1/1	0.85	0.15	80,80,80,80	0
56	MG	RA	3772	1/1	0.85	0.15	69,69,69,69	0
56	MG	RA	3165	1/1	0.85	0.63	103,103,103,103	0
56	MG	RA	3393	1/1	0.85	0.26	64,64,64,64	0
56	MG	QA	1720	1/1	0.85	0.40	85,85,85,85	0
56	MG	YA	3194	1/1	0.85	0.29	89,89,89,89	0
56	MG	YA	3126	1/1	0.85	0.09	65,65,65,65	0
56	MG	RE	301	1/1	0.85	0.50	107,107,107,107	0
56	MG	RA	3895	1/1	0.85	0.42	63,63,63,63	0
56	MG	YA	3539	1/1	0.85	0.41	72,72,72,72	0
56	MG	RA	3673	1/1	0.85	0.26	86,86,86,86	0
56	MG	RA	3571	1/1	0.85	0.17	74,74,74,74	0
56	MG	YA	3158	1/1	0.85	0.14	84,84,84,84	0
56	MG	QA	1836	1/1	0.85	0.20	77,77,77,77	0
56	MG	RA	3842	1/1	0.85	0.37	75,75,75,75	0
56	MG	RA	3483	1/1	0.85	0.41	62,62,62,62	0
56	MG	RA	3097	1/1	0.85	0.26	90,90,90,90	0
56	MG	QH	201	1/1	0.85	0.21	87,87,87,87	0
56	MG	XA	1677	1/1	0.85	0.19	63,63,63,63	0
56	MG	RA	3788	1/1	0.85	0.39	90,90,90,90	0
56	MG	YA	3745	1/1	0.85	0.29	104,104,104,104	0
56	MG	RA	3488	1/1	0.85	0.15	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3101	1/1	0.85	0.53	95,95,95,95	0
56	MG	RA	3203	1/1	0.86	0.32	98,98,98,98	0
56	MG	YA	3073	1/1	0.86	0.09	86,86,86,86	0
56	MG	RA	3160	1/1	0.86	0.45	102,102,102,102	0
56	MG	YA	3036	1/1	0.86	0.30	76,76,76,76	0
56	MG	YA	3404	1/1	0.86	0.60	62,62,62,62	0
56	MG	RA	3069	1/1	0.86	0.20	70,70,70,70	0
56	MG	RA	3675	1/1	0.86	0.30	84,84,84,84	0
56	MG	XA	1645	1/1	0.86	0.27	82,82,82,82	0
56	MG	YA	3187	1/1	0.86	0.09	89,89,89,89	0
56	MG	YB	215	1/1	0.86	0.20	79,79,79,79	0
56	MG	RA	3074	1/1	0.86	0.17	69,69,69,69	0
56	MG	YA	3684	1/1	0.86	0.31	63,63,63,63	0
56	MG	YA	3660	1/1	0.86	0.33	69,69,69,69	0
56	MG	YA	3151	1/1	0.86	0.23	87,87,87,87	0
56	MG	RA	3627	1/1	0.86	0.13	81,81,81,81	0
56	MG	YT	202	1/1	0.86	0.17	80,80,80,80	0
56	MG	RA	3222	1/1	0.86	0.49	88,88,88,88	0
56	MG	YT	203	1/1	0.86	0.17	91,91,91,91	0
56	MG	RA	3807	1/1	0.86	0.42	91,91,91,91	0
56	MG	YA	3014	1/1	0.86	0.16	82,82,82,82	0
56	MG	XA	1622	1/1	0.86	0.34	78,78,78,78	0
56	MG	YA	3256	1/1	0.86	0.21	85,85,85,85	0
56	MG	RA	3871	1/1	0.86	0.36	62,62,62,62	0
56	MG	RB	218	1/1	0.86	0.19	86,86,86,86	0
56	MG	RA	3575	1/1	0.86	0.34	70,70,70,70	0
56	MG	RA	3041	1/1	0.86	0.20	70,70,70,70	0
56	MG	YD	303	1/1	0.86	0.66	84,84,84,84	0
56	MG	YA	3054	1/1	0.86	0.32	102,102,102,102	0
56	MG	YA	3430	1/1	0.86	0.20	80,80,80,80	0
56	MG	RA	3818	1/1	0.86	0.72	92,92,92,92	0
56	MG	YA	3566	1/1	0.86	0.27	73,73,73,73	0
56	MG	YA	3567	1/1	0.86	0.28	62,62,62,62	0
56	MG	RA	3006	1/1	0.86	0.20	73,73,73,73	0
56	MG	RA	3439	1/1	0.86	0.25	84,84,84,84	0
56	MG	YA	3274	1/1	0.86	0.41	62,62,62,62	0
56	MG	RA	3239	1/1	0.86	0.69	106,106,106,106	0
56	MG	RA	3950	1/1	0.86	0.20	86,86,86,86	0
56	MG	YA	3093	1/1	0.86	0.15	86,86,86,86	0
56	MG	RA	3187	1/1	0.86	0.25	90,90,90,90	0
56	MG	YA	3045	1/1	0.86	0.20	64,64,64,64	0
56	MG	RA	3709	1/1	0.86	0.30	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	4028	1/1	0.86	0.59	108,108,108,108	0
56	MG	QA	1738	1/1	0.86	0.15	101,101,101,101	0
56	MG	RA	3649	1/1	0.86	0.40	94,94,94,94	0
56	MG	YA	3415	1/1	0.86	0.28	68,68,68,68	0
56	MG	XA	1665	1/1	0.86	0.23	72,72,72,72	0
56	MG	YA	3697	1/1	0.86	0.21	78,78,78,78	0
56	MG	YA	3601	1/1	0.86	0.26	62,62,62,62	0
56	MG	RA	3654	1/1	0.86	0.08	71,71,71,71	0
56	MG	RA	3496	1/1	0.86	0.46	63,63,63,63	0
56	MG	XA	1700	1/1	0.86	0.35	65,65,65,65	0
56	MG	QA	1848	1/1	0.86	0.43	81,81,81,81	0
56	MG	YA	3277	1/1	0.86	0.41	62,62,62,62	0
56	MG	YA	3072	1/1	0.86	0.30	100,100,100,100	0
56	MG	YA	3263	1/1	0.86	0.26	70,70,70,70	0
56	MG	RA	3502	1/1	0.86	0.64	64,64,64,64	0
56	MG	YA	3127	1/1	0.86	0.22	70,70,70,70	0
56	MG	RA	3554	1/1	0.86	0.26	74,74,74,74	0
56	MG	YA	3221	1/1	0.86	0.16	80,80,80,80	0
56	MG	QA	1624	1/1	0.87	0.23	74,74,74,74	0
56	MG	RA	3913	1/1	0.87	0.81	94,94,94,94	0
56	MG	YA	3434	1/1	0.87	0.30	72,72,72,72	0
56	MG	RA	3209	1/1	0.87	0.34	88,88,88,88	0
56	MG	RA	3693	1/1	0.87	0.63	102,102,102,102	0
56	MG	YA	3755	1/1	0.87	0.20	74,74,74,74	0
56	MG	YA	3550	1/1	0.87	0.25	80,80,80,80	0
56	MG	XA	1630	1/1	0.87	0.20	64,64,64,64	0
56	MG	Y8	101	1/1	0.87	0.24	72,72,72,72	0
56	MG	RA	3967	1/1	0.87	0.47	97,97,97,97	0
56	MG	QA	1750	1/1	0.87	0.16	69,69,69,69	0
56	MG	XA	1761	1/1	0.87	0.19	80,80,80,80	0
56	MG	QA	1650	1/1	0.87	0.08	93,93,93,93	0
56	MG	RA	3292	1/1	0.87	0.43	93,93,93,93	0
56	MG	YA	3413	1/1	0.87	0.58	85,85,85,85	0
56	MG	RA	3659	1/1	0.87	0.94	95,95,95,95	0
56	MG	RA	3436	1/1	0.87	0.53	63,63,63,63	0
56	MG	RA	3622	1/1	0.87	0.29	87,87,87,87	0
56	MG	YA	3124	1/1	0.87	0.08	93,93,93,93	0
56	MG	RA	4043	1/1	0.87	0.16	92,92,92,92	0
56	MG	YD	308	1/1	0.87	0.54	97,97,97,97	0
56	MG	RA	3004	1/1	0.87	0.16	63,63,63,63	0
56	MG	RA	3839	1/1	0.87	0.51	62,62,62,62	0
56	MG	RA	4048	1/1	0.87	0.37	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	3626	1/1	0.87	0.32	72,72,72,72	0
56	MG	YV	201	1/1	0.87	0.19	84,84,84,84	0
56	MG	YA	3044	1/1	0.87	0.19	68,68,68,68	0
56	MG	RA	3261	1/1	0.87	0.41	87,87,87,87	0
56	MG	RA	3550	1/1	0.87	0.34	88,88,88,88	0
56	MG	YA	3569	1/1	0.87	0.52	67,67,67,67	0
56	MG	RA	3891	1/1	0.87	0.40	69,69,69,69	0
56	MG	YA	3285	1/1	0.87	0.28	76,76,76,76	0
56	MG	XA	1752	1/1	0.87	0.35	81,81,81,81	0
56	MG	RA	3230	1/1	0.87	0.29	106,106,106,106	0
56	MG	YA	3736	1/1	0.87	0.92	115,115,115,115	0
56	MG	RA	3232	1/1	0.87	0.78	100,100,100,100	0
56	MG	RB	201	1/1	0.87	0.14	104,104,104,104	0
56	MG	RA	3851	1/1	0.87	0.21	73,73,73,73	0
56	MG	QA	1762	1/1	0.87	0.35	80,80,80,80	0
56	MG	RA	3234	1/1	0.87	0.42	101,101,101,101	0
56	MG	RA	3235	1/1	0.87	0.14	93,93,93,93	0
56	MG	RA	3151	1/1	0.87	0.20	84,84,84,84	0
56	MG	YA	3251	1/1	0.87	0.12	93,93,93,93	0
56	MG	QH	202	1/1	0.87	0.07	91,91,91,91	0
56	MG	YE	305	1/1	0.87	0.21	82,82,82,82	0
56	MG	RA	3350	1/1	0.87	0.20	74,74,74,74	0
56	MG	RO	201	1/1	0.87	0.16	72,72,72,72	0
56	MG	RA	3817	1/1	0.87	0.66	92,92,92,92	0
56	MG	RA	3351	1/1	0.87	0.15	89,89,89,89	0
56	MG	RA	3911	1/1	0.87	0.38	71,71,71,71	0
56	MG	YA	3261	1/1	0.88	0.10	85,85,85,85	0
56	MG	RA	4041	1/1	0.88	0.44	109,109,109,109	0
56	MG	RA	3276	1/1	0.88	0.62	95,95,95,95	0
56	MG	RA	3311	1/1	0.88	0.33	83,83,83,83	0
56	MG	YA	3478	1/1	0.88	0.24	62,62,62,62	0
56	MG	YA	3220	1/1	0.88	0.25	105,105,105,105	0
56	MG	RD	302	1/1	0.88	0.16	71,71,71,71	0
56	MG	YA	3298	1/1	0.88	0.17	82,82,82,82	0
56	MG	RA	3988	1/1	0.88	0.08	86,86,86,86	0
56	MG	YA	3753	1/1	0.88	0.60	81,81,81,81	0
56	MG	RA	3905	1/1	0.88	0.27	63,63,63,63	0
56	MG	XA	1742	1/1	0.88	0.22	78,78,78,78	0
56	MG	RA	3283	1/1	0.88	0.13	88,88,88,88	0
56	MG	YA	3754	1/1	0.88	0.19	84,84,84,84	0
56	MG	RA	3671	1/1	0.88	0.15	79,79,79,79	0
56	MG	RA	3389	1/1	0.88	0.37	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3436	1/1	0.88	0.26	65,65,65,65	0
56	MG	RA	3715	1/1	0.88	0.23	65,65,65,65	0
56	MG	RE	305	1/1	0.88	0.34	92,92,92,92	0
56	MG	RA	4064	1/1	0.88	0.19	84,84,84,84	0
56	MG	YA	3597	1/1	0.88	0.35	71,71,71,71	0
56	MG	RA	3186	1/1	0.88	0.42	98,98,98,98	0
56	MG	RA	3915	1/1	0.88	0.34	73,73,73,73	0
56	MG	XA	1747	1/1	0.88	0.41	63,63,63,63	0
56	MG	RA	3834	1/1	0.88	0.35	63,63,63,63	0
56	MG	YA	3140	1/1	0.88	0.22	79,79,79,79	0
56	MG	YA	3578	1/1	0.88	0.23	101,101,101,101	0
56	MG	YA	3004	1/1	0.88	0.17	63,63,63,63	0
56	MG	YA	3232	1/1	0.88	0.20	84,84,84,84	0
56	MG	YA	3068	1/1	0.88	0.18	79,79,79,79	0
56	MG	RA	3611	1/1	0.88	0.47	95,95,95,95	0
56	MG	YA	3137	1/1	0.88	0.17	81,81,81,81	0
56	MG	RA	3040	1/1	0.88	0.24	97,97,97,97	0
56	MG	YB	207	1/1	0.88	0.32	97,97,97,97	0
56	MG	YA	3061	1/1	0.88	0.26	65,65,65,65	0
56	MG	QV	102	1/1	0.88	0.09	94,94,94,94	0
56	MG	YA	3052	1/1	0.88	0.09	80,80,80,80	0
56	MG	YA	3700	1/1	0.88	0.23	64,64,64,64	0
56	MG	YA	3385	1/1	0.88	0.18	69,69,69,69	0
56	MG	RA	3302	1/1	0.88	0.52	91,91,91,91	0
56	MG	YA	3210	1/1	0.88	0.21	70,70,70,70	0
56	MG	XA	1733	1/1	0.88	0.50	69,69,69,69	0
56	MG	YA	3260	1/1	0.88	0.58	95,95,95,95	0
56	MG	RA	3893	1/1	0.88	0.37	76,76,76,76	0
56	MG	RA	3081	1/1	0.88	0.19	92,92,92,92	0
56	MG	RA	3815	1/1	0.88	0.34	99,99,99,99	0
56	MG	YF	303	1/1	0.88	0.22	108,108,108,108	0
56	MG	QA	1830	1/1	0.89	0.26	69,69,69,69	0
56	MG	YA	3200	1/1	0.89	0.19	77,77,77,77	0
56	MG	XA	1614	1/1	0.89	0.15	77,77,77,77	0
56	MG	RA	3107	1/1	0.89	1.16	90,90,90,90	0
56	MG	YA	3632	1/1	0.89	0.17	67,67,67,67	0
56	MG	RA	3357	1/1	0.89	0.14	62,62,62,62	0
56	MG	YA	3389	1/1	0.89	0.28	71,71,71,71	0
56	MG	YA	3575	1/1	0.89	0.40	67,67,67,67	0
56	MG	QA	1648	1/1	0.89	0.12	87,87,87,87	0
56	MG	RA	3750	1/1	0.89	0.34	83,83,83,83	0
56	MG	RA	3993	1/1	0.89	0.15	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	QA	1620	1/1	0.89	0.16	69,69,69,69	0
56	MG	RF	311	1/1	0.89	0.24	94,94,94,94	0
56	MG	RA	3136	1/1	0.89	0.24	94,94,94,94	0
56	MG	RA	3682	1/1	0.89	0.11	104,104,104,104	0
56	MG	YA	3594	1/1	0.89	0.37	70,70,70,70	0
56	MG	RA	3584	1/1	0.89	0.17	76,76,76,76	0
56	MG	RA	3470	1/1	0.89	0.48	62,62,62,62	0
56	MG	RA	3093	1/1	0.89	0.15	97,97,97,97	0
56	MG	RA	3587	1/1	0.89	0.23	78,78,78,78	0
56	MG	XA	1744	1/1	0.89	0.33	63,63,63,63	0
56	MG	RA	3366	1/1	0.89	0.22	71,71,71,71	0
56	MG	YA	3207	1/1	0.89	0.13	87,87,87,87	0
56	MG	YA	3659	1/1	0.89	0.38	65,65,65,65	0
56	MG	RA	3532	1/1	0.89	0.15	63,63,63,63	0
56	MG	YA	3242	1/1	0.89	0.60	107,107,107,107	0
56	MG	QA	1721	1/1	0.89	0.48	62,62,62,62	0
56	MG	RA	3241	1/1	0.89	0.25	91,91,91,91	0
56	MG	RA	3597	1/1	0.89	0.14	89,89,89,89	0
56	MG	YA	3114	1/1	0.89	0.17	90,90,90,90	0
56	MG	RA	4066	1/1	0.89	0.47	86,86,86,86	0
56	MG	RA	4067	1/1	0.89	0.26	72,72,72,72	0
56	MG	RA	4013	1/1	0.89	0.21	77,77,77,77	0
56	MG	QA	1689	1/1	0.89	0.26	81,81,81,81	0
56	MG	RA	3347	1/1	0.89	0.53	62,62,62,62	0
56	MG	RA	3147	1/1	0.89	0.18	84,84,84,84	0
56	MG	YA	3133	1/1	0.89	0.28	87,87,87,87	0
57	ZN	Y6	101	1/1	0.89	0.25	156,156,156,156	0
56	MG	YA	3270	1/1	0.89	0.16	79,79,79,79	0
56	MG	YA	3088	1/1	0.90	0.33	90,90,90,90	0
56	MG	RA	4034	1/1	0.90	0.38	88,88,88,88	0
56	MG	YA	3678	1/1	0.90	0.29	62,62,62,62	0
56	MG	YA	3241	1/1	0.90	0.35	91,91,91,91	0
56	MG	RA	3053	1/1	0.90	0.45	98,98,98,98	0
56	MG	YA	3303	1/1	0.90	0.24	62,62,62,62	0
56	MG	YA	3546	1/1	0.90	0.29	75,75,75,75	0
56	MG	RA	3406	1/1	0.90	0.37	68,68,68,68	0
56	MG	XA	1627	1/1	0.90	0.46	80,80,80,80	0
56	MG	YA	3744	1/1	0.90	0.80	98,98,98,98	0
56	MG	RA	3220	1/1	0.90	0.19	82,82,82,82	0
56	MG	RA	3901	1/1	0.90	0.17	71,71,71,71	0
56	MG	YA	3490	1/1	0.90	0.25	67,67,67,67	0
56	MG	YA	3334	1/1	0.90	0.34	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3390	1/1	0.90	0.14	88,88,88,88	0
56	MG	YA	3420	1/1	0.90	0.19	68,68,68,68	0
56	MG	RA	3784	1/1	0.90	0.13	88,88,88,88	0
56	MG	YA	3237	1/1	0.90	0.45	95,95,95,95	0
56	MG	RA	3494	1/1	0.90	0.27	81,81,81,81	0
56	MG	RA	3016	1/1	0.90	0.56	109,109,109,109	0
56	MG	YA	3053	1/1	0.90	0.12	62,62,62,62	0
56	MG	RN	203	1/1	0.90	0.11	90,90,90,90	0
56	MG	QA	1717	1/1	0.90	0.13	92,92,92,92	0
56	MG	RA	3020	1/1	0.90	0.95	95,95,95,95	0
56	MG	RA	3880	1/1	0.90	0.29	62,62,62,62	0
56	MG	RD	303	1/1	0.90	0.41	88,88,88,88	0
56	MG	RA	3582	1/1	0.90	0.33	87,87,87,87	0
56	MG	RD	305	1/1	0.90	0.20	102,102,102,102	0
56	MG	RA	4018	1/1	0.90	0.42	106,106,106,106	0
56	MG	RA	3043	1/1	0.90	0.13	67,67,67,67	0
56	MG	QA	1659	1/1	0.90	0.21	92,92,92,92	0
56	MG	YA	3383	1/1	0.90	0.35	63,63,63,63	0
56	MG	YA	3065	1/1	0.90	0.34	86,86,86,86	0
56	MG	RD	313	1/1	0.90	0.16	84,84,84,84	0
56	MG	QA	1662	1/1	0.90	0.21	90,90,90,90	0
56	MG	RA	4026	1/1	0.90	0.30	105,105,105,105	0
56	MG	RA	3887	1/1	0.90	0.28	91,91,91,91	0
56	MG	YA	3607	1/1	0.90	0.25	65,65,65,65	0
56	MG	YA	3738	1/1	0.90	0.73	99,99,99,99	0
56	MG	RA	3190	1/1	0.91	0.17	69,69,69,69	0
56	MG	RA	3594	1/1	0.91	0.18	80,80,80,80	0
56	MG	RA	4015	1/1	0.91	0.21	93,93,93,93	0
56	MG	RA	3017	1/1	0.91	0.53	82,82,82,82	0
56	MG	RA	3116	1/1	0.91	0.23	104,104,104,104	0
56	MG	YA	3216	1/1	0.91	0.18	80,80,80,80	0
56	MG	YA	3079	1/1	0.91	0.39	97,97,97,97	0
56	MG	RA	4055	1/1	0.91	0.11	95,95,95,95	0
56	MG	RA	4056	1/1	0.91	0.42	112,112,112,112	0
56	MG	YA	3746	1/1	0.91	0.17	85,85,85,85	0
56	MG	RA	3326	1/1	0.91	0.18	63,63,63,63	0
56	MG	RA	3256	1/1	0.91	0.68	96,96,96,96	0
56	MG	QL	202	1/1	0.91	0.11	82,82,82,82	0
56	MG	RA	3998	1/1	0.91	0.22	84,84,84,84	0
56	MG	RA	4027	1/1	0.91	0.23	88,88,88,88	0
56	MG	RA	3258	1/1	0.91	0.26	102,102,102,102	0
56	MG	RA	3685	1/1	0.91	0.41	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3345	1/1	0.91	0.24	62,62,62,62	0
56	MG	RA	3798	1/1	0.91	0.15	93,93,93,93	0
56	MG	YA	3467	1/1	0.91	0.32	76,76,76,76	0
56	MG	QA	1680	1/1	0.91	0.35	84,84,84,84	0
56	MG	RA	3979	1/1	0.91	0.38	70,70,70,70	0
56	MG	XA	1791	1/1	0.91	0.07	74,74,74,74	0
56	MG	RA	3217	1/1	0.91	0.43	97,97,97,97	0
56	MG	RA	3669	1/1	0.91	0.44	68,68,68,68	0
56	MG	YA	3087	1/1	0.91	0.17	100,100,100,100	0
56	MG	RA	3126	1/1	0.91	0.15	89,89,89,89	0
56	MG	RA	3355	1/1	0.91	0.16	88,88,88,88	0
56	MG	RD	309	1/1	0.91	0.61	100,100,100,100	0
57	ZN	R6	101	1/1	0.91	0.23	159,159,159,159	0
56	MG	RD	307	1/1	0.92	0.19	72,72,72,72	0
56	MG	RA	3344	1/1	0.92	0.26	67,67,67,67	0
56	MG	XA	1737	1/1	0.92	0.15	78,78,78,78	0
56	MG	RA	3086	1/1	0.92	0.85	111,111,111,111	0
56	MG	YA	3630	1/1	0.92	0.67	66,66,66,66	0
56	MG	RA	3678	1/1	0.92	0.73	78,78,78,78	0
56	MG	YA	3406	1/1	0.92	0.40	95,95,95,95	0
56	MG	XA	1727	1/1	0.92	0.15	79,79,79,79	0
56	MG	RA	3607	1/1	0.92	0.57	91,91,91,91	0
56	MG	YA	3591	1/1	0.92	0.56	62,62,62,62	0
56	MG	YA	3751	1/1	0.92	0.40	102,102,102,102	0
56	MG	YD	306	1/1	0.92	0.10	81,81,81,81	0
56	MG	RA	4023	1/1	0.92	0.52	101,101,101,101	0
56	MG	RA	3308	1/1	0.92	0.21	94,94,94,94	0
56	MG	RA	4059	1/1	0.92	0.36	98,98,98,98	0
56	MG	YA	3608	1/1	0.92	0.19	66,66,66,66	0
56	MG	YA	3280	1/1	0.92	0.23	64,64,64,64	0
56	MG	YA	3392	1/1	0.92	0.48	62,62,62,62	0
56	MG	YB	217	1/1	0.92	0.15	84,84,84,84	0
56	MG	RA	3972	1/1	0.92	0.41	62,62,62,62	0
56	MG	YA	3702	1/1	0.92	0.45	66,66,66,66	0
56	MG	YA	3386	1/1	0.92	0.17	82,82,82,82	0
56	MG	RA	3270	1/1	0.92	0.33	95,95,95,95	0
56	MG	QA	1781	1/1	0.92	0.11	95,95,95,95	0
56	MG	RA	3014	1/1	0.92	0.19	68,68,68,68	0
56	MG	RA	3173	1/1	0.92	0.23	90,90,90,90	0
56	MG	XL	201	1/1	0.92	0.31	82,82,82,82	0
56	MG	R0	101	1/1	0.92	0.11	77,77,77,77	0
56	MG	RA	3252	1/1	0.92	0.24	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	RA	4040	1/1	0.92	0.12	99,99,99,99	0
56	MG	RA	3212	1/1	0.92	0.09	80,80,80,80	0
56	MG	YA	3021	1/1	0.93	0.12	66,66,66,66	0
56	MG	RA	3092	1/1	0.93	0.11	91,91,91,91	0
56	MG	YA	3683	1/1	0.93	0.14	82,82,82,82	0
56	MG	RQ	202	1/1	0.93	0.19	73,73,73,73	0
56	MG	RA	3268	1/1	0.93	0.15	79,79,79,79	0
56	MG	RA	4033	1/1	0.93	0.20	96,96,96,96	0
56	MG	RA	3731	1/1	0.93	0.21	74,74,74,74	0
56	MG	RE	307	1/1	0.93	0.29	86,86,86,86	0
56	MG	YA	3580	1/1	0.93	0.18	70,70,70,70	0
56	MG	RA	3095	1/1	0.93	0.36	92,92,92,92	0
56	MG	RA	3712	1/1	0.93	0.67	83,83,83,83	0
56	MG	RA	3289	1/1	0.93	0.36	99,99,99,99	0
56	MG	RA	3991	1/1	0.93	0.14	75,75,75,75	0
56	MG	RA	4014	1/1	0.93	0.09	79,79,79,79	0
56	MG	YA	3725	1/1	0.93	0.14	62,62,62,62	0
56	MG	YA	3081	1/1	0.93	0.17	81,81,81,81	0
56	MG	RA	3656	1/1	0.93	0.14	74,74,74,74	0
56	MG	YA	3342	1/1	0.93	0.29	62,62,62,62	0
56	MG	RA	4045	1/1	0.93	0.24	101,101,101,101	0
56	MG	YA	3149	1/1	0.93	0.25	95,95,95,95	0
56	MG	YD	304	1/1	0.93	0.46	104,104,104,104	0
56	MG	RA	4021	1/1	0.93	0.17	78,78,78,78	0
56	MG	YA	3150	1/1	0.93	0.11	79,79,79,79	0
56	MG	RA	4051	1/1	0.93	0.55	105,105,105,105	0
56	MG	YA	3492	1/1	0.93	0.56	62,62,62,62	0
56	MG	YA	3048	1/1	0.93	0.12	98,98,98,98	0
56	MG	YA	3644	1/1	0.93	0.27	75,75,75,75	0
57	ZN	RY	201	1/1	0.93	0.16	158,158,158,158	0
56	MG	YA	3734	1/1	0.93	0.24	83,83,83,83	0
56	MG	RA	3214	1/1	0.93	0.14	86,86,86,86	0
56	MG	YA	3568	1/1	0.94	0.20	63,63,63,63	0
56	MG	XA	1705	1/1	0.94	0.16	84,84,84,84	0
56	MG	RA	3889	1/1	0.94	0.47	62,62,62,62	0
56	MG	RA	3265	1/1	0.94	0.23	94,94,94,94	0
56	MG	RA	3277	1/1	0.94	0.29	85,85,85,85	0
56	MG	RA	3084	1/1	0.94	0.18	76,76,76,76	0
56	MG	RA	3195	1/1	0.94	0.55	97,97,97,97	0
56	MG	RA	3990	1/1	0.94	0.23	68,68,68,68	0
56	MG	YA	3748	1/1	0.94	0.22	93,93,93,93	0
56	MG	YA	3215	1/1	0.94	0.11	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	YA	3380	1/1	0.94	0.22	83,83,83,83	0
56	MG	YA	3223	1/1	0.94	0.38	65,65,65,65	0
56	MG	RA	3722	1/1	0.94	0.30	83,83,83,83	0
56	MG	RA	4030	1/1	0.94	0.30	103,103,103,103	0
56	MG	YA	3648	1/1	0.94	0.43	62,62,62,62	0
56	MG	RA	3710	1/1	0.94	0.35	98,98,98,98	0
56	MG	YA	3375	1/1	0.94	0.29	80,80,80,80	0
56	MG	RA	3796	1/1	0.94	0.12	90,90,90,90	0
56	MG	RA	3240	1/1	0.95	0.20	106,106,106,106	0
56	MG	YA	3476	1/1	0.95	0.54	62,62,62,62	0
56	MG	YA	3121	1/1	0.95	0.14	77,77,77,77	0
56	MG	RA	3598	1/1	0.95	0.19	69,69,69,69	0
56	MG	YA	3071	1/1	0.95	0.24	90,90,90,90	0
56	MG	RA	3699	1/1	0.95	0.09	107,107,107,107	0
56	MG	RA	3080	1/1	0.95	0.35	98,98,98,98	0
56	MG	RA	4052	1/1	0.95	0.18	90,90,90,90	0
56	MG	RA	3073	1/1	0.95	0.48	96,96,96,96	0
56	MG	YA	3015	1/1	0.95	0.53	89,89,89,89	0
56	MG	YA	3596	1/1	0.95	0.40	66,66,66,66	0
56	MG	QA	1790	1/1	0.96	0.10	81,81,81,81	0
56	MG	YA	3733	1/1	0.96	0.46	89,89,89,89	0
56	MG	RA	3138	1/1	0.96	0.53	79,79,79,79	0
56	MG	RA	3549	1/1	0.96	0.27	76,76,76,76	0
56	MG	RV	204	1/1	0.96	0.24	79,79,79,79	0
56	MG	Y8	102	1/1	0.96	0.40	68,68,68,68	0
56	MG	RA	3078	1/1	0.96	0.14	90,90,90,90	0
56	MG	XA	1671	1/1	0.96	0.10	84,84,84,84	0
56	MG	RA	3418	1/1	0.96	0.15	64,64,64,64	0
56	MG	RA	4049	1/1	0.97	0.35	99,99,99,99	0
57	ZN	Y9	101	1/1	0.97	0.05	116,116,116,116	0
56	MG	RA	3517	1/1	0.97	0.50	62,62,62,62	0
56	MG	RA	3135	1/1	0.97	0.14	91,91,91,91	0
57	ZN	Y5	102	1/1	0.97	0.07	144,144,144,144	0
57	ZN	R9	102	1/1	0.97	0.11	125,125,125,125	0
58	SF4	QD	302	8/8	0.97	0.06	71,79,94,101	0
56	MG	YA	3234	1/1	0.98	0.29	92,92,92,92	0
56	MG	RA	3056	1/1	0.98	0.29	87,87,87,87	0
58	SF4	XD	301	8/8	0.98	0.05	65,79,98,112	0
57	ZN	R5	103	1/1	0.98	0.06	135,135,135,135	0
57	ZN	QN	101	1/1	0.99	0.03	110,110,110,110	0
57	ZN	XN	101	1/1	1.00	0.02	91,91,91,91	0

6.5 Other polymers [i](#)

There are no such residues in this entry.