



# wwPDB X-ray Structure Validation Summary Report ⓘ

Feb 1, 2016 – 10:32 PM GMT

PDB ID : 4V6F  
Title : Elongation complex of the 70S ribosome with three tRNAs and mRNA.  
Authors : Jenner, L.B.; Yusupova, G.; Yusupov, M.  
Deposited on : 2009-07-09  
Resolution : 3.10 Å(reported)

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

---

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

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

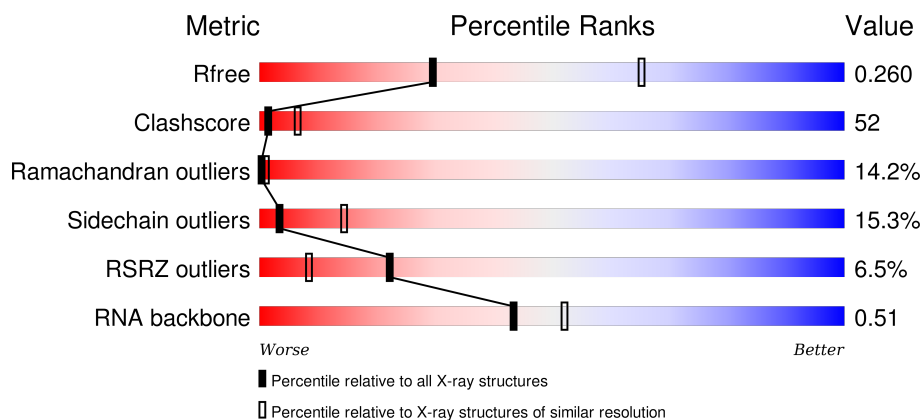
# 1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

## *X-RAY DIFFRACTION*

The reported resolution of this entry is 3.10 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
$R_{free}$	91344	1114 (3.14-3.06)
Clashscore	102246	1222 (3.14-3.06)
Ramachandran outliers	100387	1174 (3.14-3.06)
Sidechain outliers	100360	1174 (3.14-3.06)
RSRZ outliers	91569	1119 (3.14-3.06)
RNA backbone	2183	1010 (3.52-2.68)

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

Mol	Chain	Length	Quality of chain
1	AA	2909	<div> <div>3%</div> <div>22%</div> <div>49%</div> <div>24%</div> <div>5%</div> </div>
2	AB	122	<div> <div>2%</div> <div>27%</div> <div>48%</div> <div>24%</div> <div>.</div> </div>
2	DB	122	<div> <div>%</div> <div>34%</div> <div>44%</div> <div>20%</div> <div>.</div> </div>
3	AD	276	<div> <div>2%</div> <div>27%</div> <div>53%</div> <div>16%</div> <div>..</div> </div>

*Continued on next page...*

Continued from previous page...

Mol	Chain	Length	Quality of chain
3	DD	276	
4	AE	206	
4	DE	206	
5	AF	210	
5	DF	210	
6	AG	182	
6	DG	182	
7	AH	180	
7	DH	180	
8	AK	148	
8	DK	148	
9	AM	140	
9	DM	140	
10	AN	122	
10	DN	122	
11	AO	150	
11	DO	150	
12	AP	141	
12	DP	141	
13	A0	118	
13	D0	118	
14	AQ	112	
14	DQ	112	
15	AR	146	
15	DR	146	

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
16	A1	118	
16	D1	118	
17	A2	101	
17	D2	101	
18	AS	113	
18	DS	113	
19	AT	96	
19	DT	96	
20	AU	110	
20	DU	110	
21	AV	206	
21	DV	206	
22	A3	85	
22	D3	85	
23	AZ	98	
23	DZ	98	
24	AW	72	
24	DW	72	
25	AX	60	
25	DX	60	
26	A4	71	
26	D4	71	
27	A5	60	
27	D5	60	
28	A6	54	

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
28	D6	54	
29	A7	49	
29	D7	49	
30	A8	65	
30	D8	65	
31	BA	1516	
32	BE	256	
32	CE	256	
33	BF	239	
33	CF	239	
34	BG	209	
34	CG	209	
35	BH	162	
35	CH	162	
36	BI	101	
36	CI	101	
37	BJ	156	
37	CJ	156	
38	BK	138	
38	CK	138	
39	BL	128	
39	CL	128	
40	BM	105	
40	CM	105	
41	BN	129	

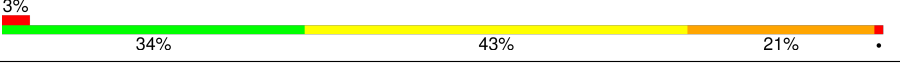
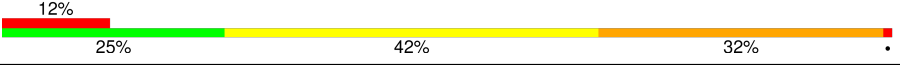

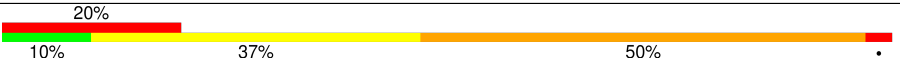
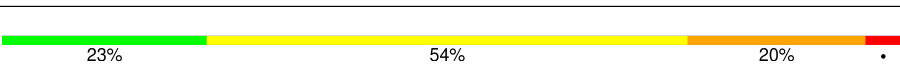
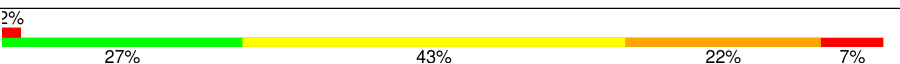
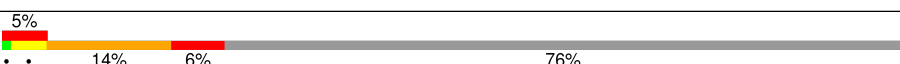
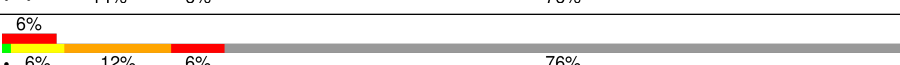

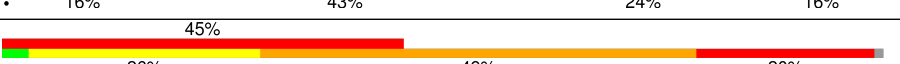
Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
41	CN	129	
42	BO	132	
42	CO	132	
43	BP	126	
43	CP	126	
44	BQ	61	
44	CQ	61	
45	BR	89	
45	CR	89	
46	BS	88	
46	CS	88	
47	BT	105	
47	CT	105	
48	BU	88	
48	CU	88	
49	BV	93	
49	CV	93	
50	BW	106	
50	CW	106	
51	BX	27	
51	CX	27	
52	BB	76	
52	BC	76	
52	BD	76	
52	CB	76	

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
52	CC	76	
52	CD	76	
53	B1	30	
53	C1	30	
54	CA	1515	
55	DA	2912	
56	DI	125	
56	DJ	125	
57	DY	173	
58	DL	147	

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
59	MG	A1	202	-	-	-	X
59	MG	A1	204	-	-	-	X
59	MG	A8	104	-	-	-	X
59	MG	AA	3010	-	-	-	X
59	MG	AA	3017	-	-	-	X
59	MG	AA	3019	-	-	-	X
59	MG	AA	3045	-	-	-	X
59	MG	AA	3046	-	-	-	X
59	MG	AA	3048	-	-	-	X
59	MG	AA	3057	-	-	-	X
59	MG	AA	3101	-	-	-	X
59	MG	AA	3132	-	-	-	X
59	MG	AA	3171	-	-	-	X
59	MG	AA	3178	-	-	-	X
59	MG	AA	3210	-	-	-	X
59	MG	AA	3216	-	-	-	X
59	MG	AA	3224	-	-	-	X
59	MG	AA	3235	-	-	-	X
59	MG	AA	3253	-	-	-	X
59	MG	AA	3255	-	-	-	X

Continued on next page...

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	AA	3263	-	-	-	X
59	MG	AA	3331	-	-	-	X
59	MG	AA	3337	-	-	-	X
59	MG	AA	3357	-	-	-	X
59	MG	AA	3364	-	-	-	X
59	MG	AA	3385	-	-	-	X
59	MG	AA	3396	-	-	-	X
59	MG	AA	3398	-	-	-	X
59	MG	AA	3459	-	-	-	X
59	MG	AA	3477	-	-	-	X
59	MG	AA	3523	-	-	-	X
59	MG	AA	3528	-	-	-	X
59	MG	AA	3531	-	-	-	X
59	MG	AA	3551	-	-	-	X
59	MG	AA	3571	-	-	-	X
59	MG	AA	3576	-	-	-	X
59	MG	AA	3623	-	-	-	X
59	MG	AA	3629	-	-	-	X
59	MG	AA	3630	-	-	-	X
59	MG	AA	3638	-	-	-	X
59	MG	AA	3640	-	-	-	X
59	MG	AA	3643	-	-	-	X
59	MG	AA	3706	-	-	-	X
59	MG	AA	3710	-	-	-	X
59	MG	AA	3711	-	-	-	X
59	MG	AA	3714	-	-	-	X
59	MG	AA	3721	-	-	-	X
59	MG	AA	3733	-	-	-	X
59	MG	AA	3749	-	-	-	X
59	MG	AA	3793	-	-	-	X
59	MG	AA	3803	-	-	-	X
59	MG	AA	3820	-	-	-	X
59	MG	AA	3821	-	-	-	X
59	MG	AA	3824	-	-	-	X
59	MG	AA	3955	-	-	-	X
59	MG	AA	3976	-	-	-	X
59	MG	AA	3977	-	-	-	X
59	MG	AA	3978	-	-	-	X
59	MG	AA	4007	-	-	-	X
59	MG	AA	4018	-	-	-	X
59	MG	AA	4026	-	-	-	X
59	MG	AA	4094	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	AA	4113	-	-	-	X
59	MG	AA	4137	-	-	-	X
59	MG	AA	4155	-	-	-	X
59	MG	AA	4163	-	-	-	X
59	MG	AD	303	-	-	-	X
59	MG	AD	308	-	-	-	X
59	MG	AE	302	-	-	-	X
59	MG	AO	206	-	-	-	X
59	MG	AT	101	-	-	-	X
59	MG	AW	102	-	-	-	X
59	MG	BA	1602	-	-	-	X
59	MG	BA	1616	-	-	-	X
59	MG	BA	1619	-	-	-	X
59	MG	BA	1640	-	-	-	X
59	MG	BA	1642	-	-	-	X
59	MG	BA	1651	-	-	-	X
59	MG	BA	1654	-	-	-	X
59	MG	BA	1665	-	-	-	X
59	MG	BA	1692	-	-	-	X
59	MG	BA	1695	-	-	-	X
59	MG	BA	1696	-	-	-	X
59	MG	BA	1697	-	-	-	X
59	MG	BA	1702	-	-	-	X
59	MG	BA	1713	-	-	-	X
59	MG	BA	1719	-	-	-	X
59	MG	BA	1721	-	-	-	X
59	MG	BA	1722	-	-	-	X
59	MG	BA	1723	-	-	-	X
59	MG	BA	1725	-	-	-	X
59	MG	BA	1731	-	-	-	X
59	MG	BA	1750	-	-	-	X
59	MG	BA	1752	-	-	-	X
59	MG	BA	1770	-	-	-	X
59	MG	BA	1774	-	-	-	X
59	MG	BA	1777	-	-	-	X
59	MG	BA	1838	-	-	-	X
59	MG	BA	1839	-	-	-	X
59	MG	BA	1887	-	-	-	X
59	MG	BA	1949	-	-	-	X
59	MG	BA	1971	-	-	-	X
59	MG	BA	1990	-	-	-	X
59	MG	BA	1999	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	BA	2039	-	-	-	X
59	MG	BA	2062	-	-	-	X
59	MG	BA	2070	-	-	-	X
59	MG	BA	2078	-	-	-	X
59	MG	BA	2083	-	-	-	X
59	MG	BA	2091	-	-	-	X
59	MG	BA	2117	-	-	-	X
59	MG	BA	2131	-	-	-	X
59	MG	BA	2146	-	-	-	X
59	MG	BA	2150	-	-	-	X
59	MG	BA	2164	-	-	-	X
59	MG	BA	2170	-	-	-	X
59	MG	BA	2187	-	-	-	X
59	MG	BA	2241	-	-	-	X
59	MG	BA	2263	-	-	-	X
59	MG	BA	2274	-	-	-	X
59	MG	BK	202	-	-	-	X
59	MG	BM	201	-	-	-	X
59	MG	BQ	101	-	-	-	X
59	MG	BT	201	-	-	-	X
59	MG	BW	201	-	-	-	X
59	MG	CA	1604	-	-	-	X
59	MG	CA	1605	-	-	-	X
59	MG	CA	1607	-	-	-	X
59	MG	CA	1623	-	-	-	X
59	MG	CA	1628	-	-	-	X
59	MG	CA	1629	-	-	-	X
59	MG	CA	1638	-	-	-	X
59	MG	CA	1643	-	-	-	X
59	MG	CA	1661	-	-	-	X
59	MG	CA	1679	-	-	-	X
59	MG	CA	1688	-	-	-	X
59	MG	CA	1695	-	-	-	X
59	MG	CA	1706	-	-	-	X
59	MG	CA	1708	-	-	-	X
59	MG	CA	1717	-	-	-	X
59	MG	CA	1738	-	-	-	X
59	MG	CA	1748	-	-	-	X
59	MG	CA	1765	-	-	-	X
59	MG	CA	1766	-	-	-	X
59	MG	CA	1776	-	-	-	X
59	MG	CA	1779	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	CA	1782	-	-	-	X
59	MG	CA	1856	-	-	-	X
59	MG	CA	1861	-	-	-	X
59	MG	CA	1901	-	-	-	X
59	MG	CA	1906	-	-	-	X
59	MG	CA	1910	-	-	-	X
59	MG	CA	1957	-	-	-	X
59	MG	CA	1958	-	-	-	X
59	MG	CA	1973	-	-	-	X
59	MG	CA	1981	-	-	-	X
59	MG	CA	2017	-	-	-	X
59	MG	CA	2041	-	-	-	X
59	MG	CA	2051	-	-	-	X
59	MG	CA	2065	-	-	-	X
59	MG	CA	2072	-	-	-	X
59	MG	CA	2073	-	-	-	X
59	MG	CA	2087	-	-	-	X
59	MG	CA	2091	-	-	-	X
59	MG	CA	2121	-	-	-	X
59	MG	CA	2132	-	-	-	X
59	MG	CA	2152	-	-	-	X
59	MG	CA	2157	-	-	-	X
59	MG	CA	2177	-	-	-	X
59	MG	CA	2207	-	-	-	X
59	MG	CA	2238	-	-	-	X
59	MG	CA	2244	-	-	-	X
59	MG	CA	2255	-	-	-	X
59	MG	CA	2274	-	-	-	X
59	MG	CA	2278	-	-	-	X
59	MG	CA	2313	-	-	-	X
59	MG	CA	2314	-	-	-	X
59	MG	CA	2323	-	-	-	X
59	MG	CE	302	-	-	-	X
59	MG	CG	308	-	-	-	X
59	MG	CS	106	-	-	-	X
59	MG	CT	202	-	-	-	X
59	MG	D0	203	-	-	-	X
59	MG	D0	205	-	-	-	X
59	MG	D0	207	-	-	-	X
59	MG	D0	211	-	-	-	X
59	MG	D1	201	-	-	-	X
59	MG	D1	204	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	D1	205	-	-	-	X
59	MG	D1	206	-	-	-	X
59	MG	D1	211	-	-	-	X
59	MG	D1	212	-	-	-	X
59	MG	D2	208	-	-	-	X
59	MG	D3	105	-	-	-	X
59	MG	D3	106	-	-	-	X
59	MG	D5	106	-	-	-	X
59	MG	D6	103	-	-	-	X
59	MG	D8	102	-	-	-	X
59	MG	D8	105	-	-	-	X
59	MG	DA	3001	-	-	-	X
59	MG	DA	3002	-	-	-	X
59	MG	DA	3011	-	-	-	X
59	MG	DA	3018	-	-	-	X
59	MG	DA	3022	-	-	-	X
59	MG	DA	3023	-	-	-	X
59	MG	DA	3026	-	-	-	X
59	MG	DA	3033	-	-	-	X
59	MG	DA	3035	-	-	-	X
59	MG	DA	3040	-	-	-	X
59	MG	DA	3043	-	-	-	X
59	MG	DA	3044	-	-	-	X
59	MG	DA	3046	-	-	-	X
59	MG	DA	3049	-	-	-	X
59	MG	DA	3053	-	-	-	X
59	MG	DA	3055	-	-	-	X
59	MG	DA	3060	-	-	-	X
59	MG	DA	3066	-	-	-	X
59	MG	DA	3067	-	-	-	X
59	MG	DA	3069	-	-	-	X
59	MG	DA	3072	-	-	-	X
59	MG	DA	3073	-	-	-	X
59	MG	DA	3078	-	-	-	X
59	MG	DA	3082	-	-	-	X
59	MG	DA	3085	-	-	-	X
59	MG	DA	3093	-	-	-	X
59	MG	DA	3095	-	-	-	X
59	MG	DA	3101	-	-	-	X
59	MG	DA	3115	-	-	-	X
59	MG	DA	3123	-	-	-	X
59	MG	DA	3132	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	3144	-	-	-	X
59	MG	DA	3154	-	-	-	X
59	MG	DA	3162	-	-	-	X
59	MG	DA	3169	-	-	-	X
59	MG	DA	3171	-	-	-	X
59	MG	DA	3172	-	-	-	X
59	MG	DA	3177	-	-	-	X
59	MG	DA	3184	-	-	-	X
59	MG	DA	3189	-	-	-	X
59	MG	DA	3211	-	-	-	X
59	MG	DA	3240	-	-	-	X
59	MG	DA	3241	-	-	-	X
59	MG	DA	3245	-	-	-	X
59	MG	DA	3252	-	-	-	X
59	MG	DA	3254	-	-	-	X
59	MG	DA	3276	-	-	-	X
59	MG	DA	3279	-	-	-	X
59	MG	DA	3281	-	-	-	X
59	MG	DA	3283	-	-	-	X
59	MG	DA	3284	-	-	-	X
59	MG	DA	3305	-	-	-	X
59	MG	DA	3329	-	-	-	X
59	MG	DA	3337	-	-	-	X
59	MG	DA	3351	-	-	-	X
59	MG	DA	3358	-	-	-	X
59	MG	DA	3365	-	-	-	X
59	MG	DA	3369	-	-	-	X
59	MG	DA	3382	-	-	-	X
59	MG	DA	3396	-	-	-	X
59	MG	DA	3400	-	-	-	X
59	MG	DA	3405	-	-	-	X
59	MG	DA	3414	-	-	-	X
59	MG	DA	3419	-	-	-	X
59	MG	DA	3421	-	-	-	X
59	MG	DA	3439	-	-	-	X
59	MG	DA	3447	-	-	-	X
59	MG	DA	3458	-	-	-	X
59	MG	DA	3469	-	-	-	X
59	MG	DA	3471	-	-	-	X
59	MG	DA	3474	-	-	-	X
59	MG	DA	3475	-	-	-	X
59	MG	DA	3507	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	3508	-	-	-	X
59	MG	DA	3511	-	-	-	X
59	MG	DA	3530	-	-	-	X
59	MG	DA	3536	-	-	-	X
59	MG	DA	3542	-	-	-	X
59	MG	DA	3572	-	-	-	X
59	MG	DA	3579	-	-	-	X
59	MG	DA	3584	-	-	-	X
59	MG	DA	3585	-	-	-	X
59	MG	DA	3592	-	-	-	X
59	MG	DA	3603	-	-	-	X
59	MG	DA	3625	-	-	-	X
59	MG	DA	3626	-	-	-	X
59	MG	DA	3660	-	-	-	X
59	MG	DA	3664	-	-	-	X
59	MG	DA	3671	-	-	-	X
59	MG	DA	3684	-	-	-	X
59	MG	DA	3699	-	-	-	X
59	MG	DA	3700	-	-	-	X
59	MG	DA	3703	-	-	-	X
59	MG	DA	3706	-	-	-	X
59	MG	DA	3708	-	-	-	X
59	MG	DA	3712	-	-	-	X
59	MG	DA	3729	-	-	-	X
59	MG	DA	3730	-	-	-	X
59	MG	DA	3732	-	-	-	X
59	MG	DA	3737	-	-	-	X
59	MG	DA	3793	-	-	-	X
59	MG	DA	3809	-	-	-	X
59	MG	DA	3830	-	-	-	X
59	MG	DA	3832	-	-	-	X
59	MG	DA	3838	-	-	-	X
59	MG	DA	3848	-	-	-	X
59	MG	DA	3856	-	-	-	X
59	MG	DA	3866	-	-	-	X
59	MG	DA	3875	-	-	-	X
59	MG	DA	3880	-	-	-	X
59	MG	DA	3899	-	-	-	X
59	MG	DA	3903	-	-	-	X
59	MG	DA	3930	-	-	-	X
59	MG	DA	3956	-	-	-	X
59	MG	DA	3970	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	3983	-	-	-	X
59	MG	DA	3994	-	-	-	X
59	MG	DA	3998	-	-	-	X
59	MG	DA	4003	-	-	-	X
59	MG	DA	4012	-	-	-	X
59	MG	DA	4015	-	-	-	X
59	MG	DA	4021	-	-	-	X
59	MG	DA	4022	-	-	-	X
59	MG	DA	4035	-	-	-	X
59	MG	DA	4039	-	-	-	X
59	MG	DA	4040	-	-	-	X
59	MG	DA	4078	-	-	-	X
59	MG	DA	4093	-	-	-	X
59	MG	DA	4100	-	-	-	X
59	MG	DA	4130	-	-	-	X
59	MG	DA	4131	-	-	-	X
59	MG	DA	4133	-	-	-	X
59	MG	DA	4134	-	-	-	X
59	MG	DA	4135	-	-	-	X
59	MG	DA	4151	-	-	-	X
59	MG	DA	4157	-	-	-	X
59	MG	DA	4172	-	-	-	X
59	MG	DA	4197	-	-	-	X
59	MG	DA	4199	-	-	-	X
59	MG	DA	4207	-	-	-	X
59	MG	DA	4210	-	-	-	X
59	MG	DA	4226	-	-	-	X
59	MG	DA	4231	-	-	-	X
59	MG	DA	4232	-	-	-	X
59	MG	DA	4249	-	-	-	X
59	MG	DA	4273	-	-	-	X
59	MG	DA	4278	-	-	-	X
59	MG	DA	4325	-	-	-	X
59	MG	DA	4353	-	-	-	X
59	MG	DA	4357	-	-	-	X
59	MG	DA	4369	-	-	-	X
59	MG	DA	4371	-	-	-	X
59	MG	DA	4381	-	-	-	X
59	MG	DA	4393	-	-	-	X
59	MG	DA	4401	-	-	-	X
59	MG	DA	4402	-	-	-	X
59	MG	DA	4406	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	4410	-	-	-	X
59	MG	DA	4425	-	-	-	X
59	MG	DA	4437	-	-	-	X
59	MG	DA	4443	-	-	-	X
59	MG	DA	4450	-	-	-	X
59	MG	DA	4454	-	-	-	X
59	MG	DA	4456	-	-	-	X
59	MG	DA	4459	-	-	-	X
59	MG	DA	4469	-	-	-	X
59	MG	DA	4489	-	-	-	X
59	MG	DA	4497	-	-	-	X
59	MG	DA	4499	-	-	-	X
59	MG	DA	4508	-	-	-	X
59	MG	DA	4531	-	-	-	X
59	MG	DA	4537	-	-	-	X
59	MG	DA	4545	-	-	-	X
59	MG	DA	4546	-	-	-	X
59	MG	DA	4561	-	-	-	X
59	MG	DA	4566	-	-	-	X
59	MG	DA	4572	-	-	-	X
59	MG	DA	4582	-	-	-	X
59	MG	DA	4588	-	-	-	X
59	MG	DA	4589	-	-	-	X
59	MG	DA	4594	-	-	-	X
59	MG	DA	4603	-	-	-	X
59	MG	DA	4606	-	-	-	X
59	MG	DA	4640	-	-	-	X
59	MG	DA	4666	-	-	-	X
59	MG	DA	4669	-	-	-	X
59	MG	DA	4671	-	-	-	X
59	MG	DA	4685	-	-	-	X
59	MG	DA	4701	-	-	-	X
59	MG	DA	4703	-	-	-	X
59	MG	DA	4712	-	-	-	X
59	MG	DA	4715	-	-	-	X
59	MG	DA	4726	-	-	-	X
59	MG	DA	4737	-	-	-	X
59	MG	DA	4743	-	-	-	X
59	MG	DA	4745	-	-	-	X
59	MG	DA	4747	-	-	-	X
59	MG	DA	4767	-	-	-	X
59	MG	DA	4775	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	4802	-	-	-	X
59	MG	DA	4808	-	-	-	X
59	MG	DA	4830	-	-	-	X
59	MG	DA	4843	-	-	-	X
59	MG	DA	4867	-	-	-	X
59	MG	DA	4878	-	-	-	X
59	MG	DA	4913	-	-	-	X
59	MG	DA	4929	-	-	-	X
59	MG	DA	4931	-	-	-	X
59	MG	DA	4936	-	-	-	X
59	MG	DA	4939	-	-	-	X
59	MG	DA	4940	-	-	-	X
59	MG	DA	4946	-	-	-	X
59	MG	DA	4977	-	-	-	X
59	MG	DA	4981	-	-	-	X
59	MG	DA	5008	-	-	-	X
59	MG	DA	5040	-	-	-	X
59	MG	DA	5062	-	-	-	X
59	MG	DB	205	-	-	-	X
59	MG	DB	216	-	-	-	X
59	MG	DB	224	-	-	-	X
59	MG	DB	248	-	-	-	X
59	MG	DB	250	-	-	-	X
59	MG	DB	274	-	-	-	X
59	MG	DD	301	-	-	-	X
59	MG	DD	304	-	-	-	X
59	MG	DD	305	-	-	-	X
59	MG	DD	307	-	-	-	X
59	MG	DD	308	-	-	-	X
59	MG	DD	309	-	-	-	X
59	MG	DD	314	-	-	-	X
59	MG	DE	308	-	-	-	X
59	MG	DE	309	-	-	-	X
59	MG	DF	302	-	-	-	X
59	MG	DF	307	-	-	-	X
59	MG	DF	308	-	-	-	X
59	MG	DF	321	-	-	-	X
59	MG	DF	322	-	-	-	X
59	MG	DF	323	-	-	-	X
59	MG	DM	202	-	-	-	X
59	MG	DM	204	-	-	-	X
59	MG	DM	205	-	-	-	X

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DO	203	-	-	-	X
59	MG	DO	208	-	-	-	X
59	MG	DO	210	-	-	-	X
59	MG	DO	211	-	-	-	X
59	MG	DO	214	-	-	-	X
59	MG	DO	217	-	-	-	X
59	MG	DR	202	-	-	-	X
59	MG	DT	104	-	-	-	X
59	MG	DT	106	-	-	-	X
59	MG	DU	210	-	-	-	X
59	MG	DU	212	-	-	-	X
59	MG	DW	107	-	-	-	X
60	ZN	A4	101	-	-	-	X

## 2 Entry composition

There are 61 unique types of molecules in this entry. The entry contains 307345 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AA	2909	Total	C	N	O	P	0	0	0
			62647	27884	11716	20139	2908			

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AA	?	-	U	DELETION	GB AP008226.1
AA	?	-	U	DELETION	GB AP008226.1
AA	654A	A	G	CONFLICT	GB AP008226.1
AA	654E	C	G	CONFLICT	GB AP008226.1
AA	654P	G	C	CONFLICT	GB AP008226.1
AA	654T	A	C	CONFLICT	GB AP008226.1
AA	1058	U	G	CONFLICT	GB AP008226.1
AA	1080	A	C	CONFLICT	GB AP008226.1

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	AB	122	Total	C	N	O	P	0	0	0
			2617	1166	486	844	121			
2	DB	122	Total	C	N	O	P	0	0	0
			2617	1166	486	844	121			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AB	1M	A	-	INSERTION	GB X01554.1
DB	1M	A	-	INSERTION	GB X01554.1

- Molecule 3 is a protein called 50S RIBOSOMAL PROTEIN L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	AD	272	Total	C	N	O	S	0	0	0
			2115	1335	420	357	3			
3	DD	272	Total	C	N	O	S	0	0	0
			2115	1335	420	357	3			

- Molecule 4 is a protein called 50S RIBOSOMAL PROTEIN L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	AE	205	Total	C	N	O	S	0	0	0
			1568	991	300	271	6			
4	DE	205	Total	C	N	O	S	0	0	0
			1568	991	300	271	6			

- Molecule 5 is a protein called 50S RIBOSOMAL PROTEIN L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AF	208	Total	C	N	O	S	0	0	0
			1627	1037	304	283	3			
5	DF	202	Total	C	N	O	S	0	0	0
			1585	1011	297	275	2			

- Molecule 6 is a protein called 50S RIBOSOMAL PROTEIN L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	AG	181	Total	C	N	O	S	0	0	0
			1474	942	268	260	4			
6	DG	181	Total	C	N	O	S	0	0	0
			1474	942	268	260	4			

- Molecule 7 is a protein called 50S RIBOSOMAL PROTEIN L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	AH	170	Total	C	N	O	S	0	0	0
			1307	829	245	232	1			
7	DH	170	Total	C	N	O	S	0	0	0
			1307	829	245	232	1			

- Molecule 8 is a protein called 50S RIBOSOMAL PROTEIN L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AK	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	DK	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			

- Molecule 9 is a protein called 50S RIBOSOMAL PROTEIN L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	AM	138	Total	C	N	O	S	0	0	0
			1104	712	206	182	4			
9	DM	138	Total	C	N	O	S	0	0	0
			1104	712	206	182	4			

- Molecule 10 is a protein called 50S RIBOSOMAL PROTEIN L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	AN	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			
10	DN	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	AO	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			
11	DO	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			

- Molecule 12 is a protein called 50S RIBOSOMAL PROTEIN L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	AP	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
12	DP	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	A0	117	Total	C	N	O		0	0	0
			960	599	202	159				
13	D0	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	AQ	111	Total	C	N	O	0	0	0
			882	556	176	150			
14	DQ	111	Total	C	N	O	0	0	0
			882	556	176	150			

- Molecule 15 is a protein called 50S RIBOSOMAL PROTEIN L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	AR	137	Total	C	N	O	S	0	0	0
			1141	710	234	196	1			
15	DR	137	Total	C	N	O	S	0	0	0
			1141	710	234	196	1			

- Molecule 16 is a protein called 50S RIBOSOMAL PROTEIN L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	A1	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
16	D1	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

- Molecule 17 is a protein called 50S RIBOSOMAL PROTEIN L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	A2	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
17	D2	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

- Molecule 18 is a protein called 50S RIBOSOMAL PROTEIN L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	AS	113	Total	C	N	O	S	0	0	0
			900	566	177	155	2			
18	DS	113	Total	C	N	O	S	0	0	0
			900	566	177	155	2			

- Molecule 19 is a protein called 50S RIBOSOMAL PROTEIN L23.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
19	AT	92	Total	C	N	O	0	0	0
			725	471	131	123			
19	DT	92	Total	C	N	O	0	0	0
			725	471	131	123			

- Molecule 20 is a protein called 50S RIBOSOMAL PROTEIN L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	AU	102	Total	C	N	O	S	0	0	0
			785	505	150	125	5			
20	DU	102	Total	C	N	O	S	0	0	0
			785	505	150	125	5			

- Molecule 21 is a protein called 50S RIBOSOMAL PROTEIN L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	AV	187	Total	C	N	O	S	0	0	0
			1489	949	264	273	3			
21	DV	200	Total	C	N	O	S	0	0	0
			1582	1008	279	292	3			

- Molecule 22 is a protein called 50S RIBOSOMAL PROTEIN L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	A3	84	Total	C	N	O	S	0	0	0
			662	410	140	111	1			
22	D3	84	Total	C	N	O	S	0	0	0
			662	410	140	111	1			

- Molecule 23 is a protein called 50S RIBOSOMAL PROTEIN L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	AZ	97	Total	C	N	O	S	0	0	0
			763	481	150	131	1			
23	DZ	97	Total	C	N	O	S	0	0	0
			763	481	150	131	1			

- Molecule 24 is a protein called 50S RIBOSOMAL PROTEIN L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	AW	69	Total	C	N	O	S	0	0	0
			581	358	118	104	1			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	DW	69	Total	C	N	O	S	0	0	0
			581	358	118	104	1			

- Molecule 25 is a protein called 50S RIBOSOMAL PROTEIN L30.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	AX	59	Total	C	N	O	S	0	0	0
			469	298	90	81				
25	DX	59	Total	C	N	O	S	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	A4	71	Total	C	N	O	S	0	0	0
			581	364	108	104	5			
26	D4	71	Total	C	N	O	S	0	0	0
			581	364	108	104	5			

- Molecule 27 is a protein called 50S RIBOSOMAL PROTEIN L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	A5	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	D5	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	A6	45	Total	C	N	O	S	0	0	0
			389	241	79	65	4			
28	D6	45	Total	C	N	O	S	0	0	0
			389	241	79	65	4			

- Molecule 29 is a protein called 50S RIBOSOMAL PROTEIN L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	A7	49	Total	C	N	O	S	0	0	0
			430	263	108	57	2			
29	D7	49	Total	C	N	O	S	0	0	0
			430	263	108	57	2			

- Molecule 30 is a protein called 50S RIBOSOMAL PROTEIN L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	A8	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
30	D8	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	BA	1516	Total	C	N	O	P	0	0	0
			32571	14499	6024	10533	1515			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	BE	237	Total	C	N	O	S	0	0	0
			1924	1228	344	347	5			
32	CE	237	Total	C	N	O	S	0	0	0
			1924	1228	344	347	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	BF	206	Total	C	N	O	S	0	0	0
			1612	1016	314	281	1			
33	CF	205	Total	C	N	O	S	0	0	0
			1605	1011	313	280	1			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	BH	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	CH	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	BL	127	Total	C	N	O	0	0	0
			1010	639	197	174			
39	CL	127	Total	C	N	O	0	0	0
			1010	639	197	174			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	BM	99	Total	C	N	O	S	0	0	0
			801	504	157	139	1			
40	CM	99	Total	C	N	O	S	0	0	0
			801	504	157	139	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	BN	119	Total	C	N	O	S	0	0	0
			885	549	168	165	3			
41	CN	119	Total	C	N	O	S	0	0	0
			885	549	168	165	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	BO	125	Total	C	N	O	S	0	0	0
			975	614	196	164	1			
42	CO	125	Total	C	N	O	S	0	0	0
			975	614	196	164	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	BP	121	Total	C	N	O	S	0	0	0
			964	597	199	166	2			
43	CP	125	Total	C	N	O	S	0	0	0
			997	617	207	171	2			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	BS	84	Total	C	N	O	S	0	0	0
			705	446	140	118	1			
46	CS	84	Total	C	N	O	S	0	0	0
			705	446	140	118	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	BT	100	Total	C	N	O	S	0	0	0
			834	534	155	143	2			
47	CT	100	Total	C	N	O	S	0	0	0
			834	534	155	143	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	BU	72	Total	C	N	O		0	0	0
			591	376	117	98				
48	CU	72	Total	C	N	O		0	0	0
			591	376	117	98				

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	BV	83	Total	C	N	O	S	0	0	0
			665	424	122	117	2			
49	CV	88	Total	C	N	O	S	0	0	0
			702	447	131	122	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	BW	99	Total	C	N	O	S	0	0	0
			763	470	162	129	2			
50	CW	99	Total	C	N	O	S	0	0	0
			763	470	162	129	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	BX	25	Total	C	N	O	0	0	0
			217	134	52	31			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	CX	25	Total	C	N	O	0	0	0
			217	134	52	31			

- Molecule 52 is a RNA chain called TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
52	BD	76	Total	C	N	O	P	S	0	0	0
			1626	729	290	531	75	1			
52	BB	76	Total	C	N	O	P	S	0	0	0
			1626	729	290	531	75	1			
52	BC	76	Total	C	N	O	P	S	0	0	0
			1626	729	290	531	75	1			
52	CD	76	Total	C	N	O	P	S	0	0	0
			1626	729	290	531	75	1			
52	CB	76	Total	C	N	O	P	S	0	0	0
			1626	729	290	531	75	1			
52	CC	76	Total	C	N	O	P	S	0	0	0
			1626	729	290	531	75	1			

- Molecule 53 is a RNA chain called MRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	B1	30	Total	C	N	O	P	0	0	0
			621	279	88	225	29			
53	C1	30	Total	C	N	O	P	0	0	0
			621	279	88	225	29			

- Molecule 54 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	CA	1515	Total	C	N	O	P	0	0	0
			32551	14490	6022	10525	1514			

- Molecule 55 is a RNA chain called 23S RRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	DA	2912	Total	C	N	O	P	0	0	0
			62707	27911	11722	20163	2911			

There are 7 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
DA	161	U	-	INSERTION	GB AP008226.1
DA	654A	A	G	CONFLICT	GB AP008226.1
DA	654E	C	G	CONFLICT	GB AP008226.1
DA	654P	G	C	CONFLICT	GB AP008226.1
DA	654T	A	C	CONFLICT	GB AP008226.1
DA	1058	U	G	CONFLICT	GB AP008226.1
DA	1080	A	C	CONFLICT	GB AP008226.1

- Molecule 56 is a protein called 50S ribosomal protein L7/L12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	DI	30	Total	C	N	O	S	0	0	0
			237	150	38	48	1			
56	DJ	30	Total	C	N	O	S	0	0	0
			237	150	38	48	1			

- Molecule 57 is a protein called 50S ribosomal protein L10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
57	DY	145	Total	C	N	O	S	0	0	0
			1107	708	193	204	2			

- Molecule 58 is a protein called 50S ribosomal protein L11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
58	DL	145	Total	C	N	O	S	0	0	0
			1071	681	188	197	5			

- Molecule 59 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	CA	724	Total	Mg	0	0
			724	724		
59	AB	36	Total	Mg	0	0
			36	36		
59	CV	4	Total	Mg	0	0
			4	4		
59	DO	18	Total	Mg	0	0
			18	18		
59	AW	2	Total	Mg	0	0
			2	2		
59	DZ	5	Total	Mg	0	0
			5	5		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	BI	1	Total 1	Mg 1	0	0
59	BT	2	Total 2	Mg 2	0	0
59	D3	7	Total 7	Mg 7	0	0
59	AA	1166	Total 1166	Mg 1166	0	0
59	CQ	3	Total 3	Mg 3	0	0
59	AR	5	Total 5	Mg 5	0	0
59	BC	16	Total 16	Mg 16	0	0
59	CJ	1	Total 1	Mg 1	0	0
59	D4	2	Total 2	Mg 2	0	0
59	DE	15	Total 15	Mg 15	0	0
59	AQ	5	Total 5	Mg 5	0	0
59	DP	4	Total 4	Mg 4	0	0
59	BS	9	Total 9	Mg 9	0	0
59	CE	6	Total 6	Mg 6	0	0
59	A3	4	Total 4	Mg 4	0	0
59	AF	7	Total 7	Mg 7	0	0
59	DK	2	Total 2	Mg 2	0	0
59	AK	3	Total 3	Mg 3	0	0
59	DF	25	Total 25	Mg 25	0	0
59	BE	5	Total 5	Mg 5	0	0
59	DU	19	Total 19	Mg 19	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	BP	2	Total 2	Mg 2	0	0
59	AE	4	Total 4	Mg 4	0	0
59	DL	1	Total 1	Mg 1	0	0
59	AV	1	Total 1	Mg 1	0	0
59	DV	5	Total 5	Mg 5	0	0
59	BU	1	Total 1	Mg 1	0	0
59	CN	2	Total 2	Mg 2	0	0
59	D0	11	Total 11	Mg 11	0	0
59	CC	27	Total 27	Mg 27	0	0
59	CP	3	Total 3	Mg 3	0	0
59	DA	2077	Total 2077	Mg 2077	0	0
59	AU	6	Total 6	Mg 6	0	0
59	BO	1	Total 1	Mg 1	0	0
59	CI	1	Total 1	Mg 1	0	0
59	A7	4	Total 4	Mg 4	0	0
59	D5	8	Total 8	Mg 8	0	0
59	A8	4	Total 4	Mg 4	0	0
59	AO	7	Total 7	Mg 7	0	0
59	CS	6	Total 6	Mg 6	0	0
59	DB	76	Total 76	Mg 76	0	0
59	AP	1	Total 1	Mg 1	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	BA	676	Total 676	Mg 676	0	0
59	DQ	2	Total 2	Mg 2	0	0
59	BL	2	Total 2	Mg 2	0	0
59	C1	6	Total 6	Mg 6	0	0
59	CD	30	Total 30	Mg 30	0	0
59	A2	1	Total 1	Mg 1	0	0
59	D6	3	Total 3	Mg 3	0	0
59	DH	5	Total 5	Mg 5	0	0
59	DG	5	Total 5	Mg 5	0	0
59	BF	2	Total 2	Mg 2	0	0
59	DR	4	Total 4	Mg 4	0	0
59	BQ	3	Total 3	Mg 3	0	0
59	CG	11	Total 11	Mg 11	0	0
59	A1	5	Total 5	Mg 5	0	0
59	AD	13	Total 13	Mg 13	0	0
59	CT	3	Total 3	Mg 3	0	0
59	DM	6	Total 6	Mg 6	0	0
59	DX	2	Total 2	Mg 2	0	0
59	AZ	3	Total 3	Mg 3	0	0
59	BK	6	Total 6	Mg 6	0	0
59	DW	7	Total 7	Mg 7	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	BV	1	Total 1	Mg 1	0	0
59	CM	3	Total 3	Mg 3	0	0
59	D1	12	Total 12	Mg 12	0	0
59	CB	21	Total 21	Mg 21	0	0
59	CW	1	Total 1	Mg 1	0	0
59	DN	2	Total 2	Mg 2	0	0
59	AT	4	Total 4	Mg 4	0	0
59	BH	5	Total 5	Mg 5	0	0
59	CH	6	Total 6	Mg 6	0	0
59	A6	2	Total 2	Mg 2	0	0
59	D2	10	Total 10	Mg 10	0	0
59	B1	4	Total 4	Mg 4	0	0
59	AN	1	Total 1	Mg 1	0	0
59	CR	3	Total 3	Mg 3	0	0
59	AS	3	Total 3	Mg 3	0	0
59	BB	13	Total 13	Mg 13	0	0
59	BM	3	Total 3	Mg 3	0	0
59	BX	1	Total 1	Mg 1	0	0
59	D8	9	Total 9	Mg 9	0	0
59	CK	11	Total 11	Mg 11	0	0
59	A5	3	Total 3	Mg 3	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	D7	5	Total 5	Mg 5	0	0
59	DD	14	Total 14	Mg 14	0	0
59	BG	7	Total 7	Mg 7	0	0
59	DS	8	Total 8	Mg 8	0	0
59	CF	3	Total 3	Mg 3	0	0
59	A0	1	Total 1	Mg 1	0	0
59	AG	3	Total 3	Mg 3	0	0
59	AH	1	Total 1	Mg 1	0	0
59	DY	4	Total 4	Mg 4	0	0
59	BD	26	Total 26	Mg 26	0	0
59	DT	7	Total 7	Mg 7	0	0
59	BW	8	Total 8	Mg 8	0	0
59	CL	1	Total 1	Mg 1	0	0

- Molecule 60 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	BG	1	Total 1	Zn 1	0	0
60	BQ	1	Total 1	Zn 1	0	0
60	CQ	1	Total 1	Zn 1	0	0
60	A4	1	Total 1	Zn 1	0	0
60	CG	1	Total 1	Zn 1	0	0
60	D4	1	Total 1	Zn 1	0	0

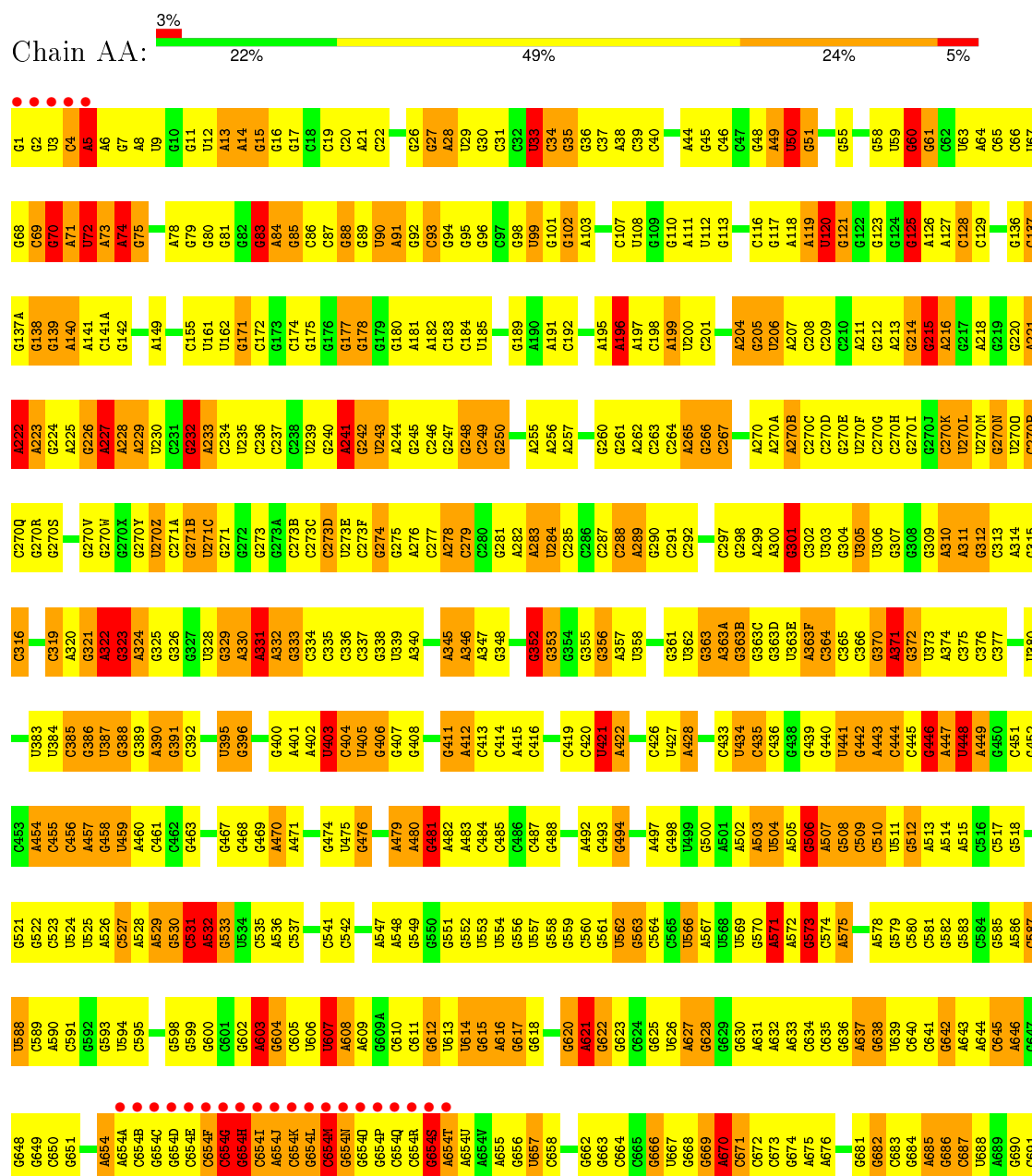
- Molecule 61 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	BA	3	Total 3	O 3	0	0
61	B1	3	Total 3	O 3	0	0

### 3 Residue-property plots

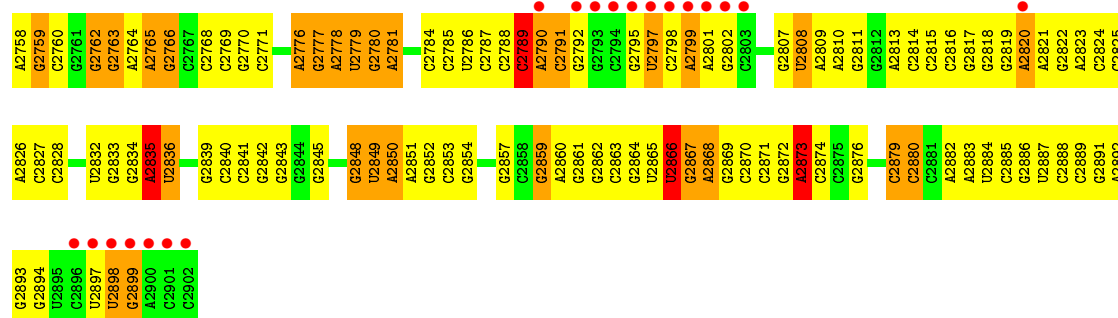
These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according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

#### • Molecule 1: 23S RIBOSOMAL RNA

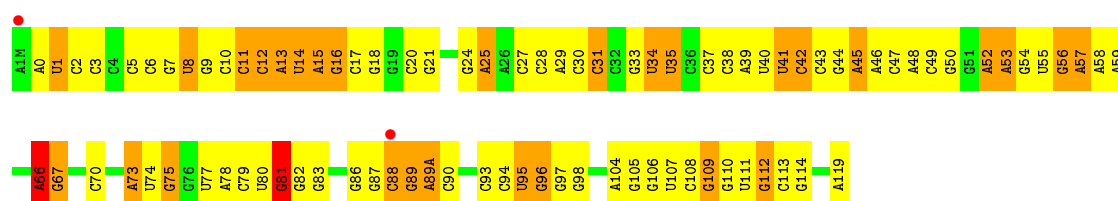


C1599	C1598	C1597	C1596	C1595	C1594	C1593	C1592	C1591	C1590	C1589	C1588	C1587	C1586	C1585	C1584	C1583	C1582	C1581	C1580	C1579	C1578	C1577	C1576	C1575	C1574	C1573	C1572	C1571	C1570	C1569	C1568	C1567	C1566	C1565	C1564	C1563	C1562	C1561	C1560	C1559	C1558	C1557	C1556	C1555	C1554	C1553	C1552	C1551	C1550	C1549	C1548	C1547	C1546	C1545	C1544	C1543	C1542	C1541	C1540	C1539	C1538	C1537	C1536	C1535	C1534	C1533	C1532	C1531	C1530	C1529	C1528	C1527	C1526	C1525	C1524	C1523	C1522	C1521	C1520	C1519	C1518	C1517	C1516	C1515	C1514	C1513	C1512	C1511	C1510	C1509	C1508	C1507	C1506	C1505	C1504	C1503	C1502	C1501	C1500	C1499	C1498	C1497	C1496	C1495	C1494	C1493	C1492	C1491	C1490	C1489	C1488	C1487	C1486	C1485	C1484	C1483	C1482	C1481	C1480	C1479	C1478	C1477	C1476	C1475	C1474	C1473	C1472	C1471	C1470	C1469	C1468	C1467	C1466	C1465	C1464	C1463	C1462	C1461	C1460	C1459	C1458	C1457	C1456	C1455	C1454	C1453	C1452	C1451	C1450	C1449	C1448	C1447	C1446	C1445	C1444	C1443	C1442	C1441	C1440	C1439	C1438	C1437	C1436	C1435	C1434	C1433	C1432	C1431	C1430	C1429	C1428	C1427	C1426	C1425	C1424	C1423	C1422	C1421	C1420	C1419	C1418	C1417	C1416	C1415	C1414	C1413	C1412	C1411	C1410	C1409	C1408	C1407	C1406	C1405	C1404	C1403	C1402	C1401	C1400	C1399	A1396	A1395	A1394	A1393	A1392	A1391	A1390	A1389	A1388	A1387	A1386	A1385	A1384	A1383	A1382	A1381	A1380	A1379	A1378	A1377	A1376	A1375	A1374	A1373	A1372	A1371	A1370	A1369	A1368	A1367	A1366	A1365	A1364	A1363	A1362	A1361	A1360	A1359	A1358	A1357	A1356	A1355	A1354	A1353	A1352	A1351	A1350	A1349	A1348	A1347	A1346	A1345	A1344	A1343	A1342	A1341	A1340	A1339	A1338	A1337	A1336	A1335	A1334	A1333	A1332	A1331	A1330	A1329	A1328	A1327	A1326	A1325	A1324	A1323	A1322	A1321	A1320	A1319	A1318	A1317	A1316	A1315	A1314	A1313	A1312	A1311	A1310	A1309	A1308	A1307	A1306	A1305	A1304	A1303	A1302	A1301	A1300	A1299	A1298	A1297	A1296	A1295	A1294	A1293	A1292	A1291	A1290	A1289	A1288	A1287	A1286	A1285	A1284	A1283	A1282	A1281	A1280	A1279	A1278	A1277	A1276	A1275	A1274	U1273	U1272	U1271	U1270	U1269	U1268	U1267	U1266	U1265	U1264	U1263	U1262	U1261	U1260	U1259	U1258	U1257	U1256	U1255	U1254	U1253	U1252	U1251	U1250	U1249	U1248	U1247	U1246	U1245	U1244	U1243	U1242	U1241	U1240	U1239	U1238	U1237	U1236	U1235	U1234	U1233	U1232	U1231	U1230	U1229	U1228	U1227	U1226	U1225	U1224	U1223	U1222	U1221	U1220	U1219	U1218	U1217	U1216	U1215	U1214	U1213	U1212	U1211	U1210	U1209	U1208	U1207	U1206	U1205	U1204	U1203	U1202	U1201	U1200	U1199	U1198	U1197	U1196	U1195	U1194	U1193	U1192	U1191	U1190	U1189	U1188	U1187	U1186	U1185	U1184	U1183	U1182	U1181	U1180	U1179	U1178	U1177	U1176	U1175	U1174	U1173	U1172	U1171	U1170	U1169	U1168	U1167	U1166	U1165	U1164	U1163	U1162	U1161	U1160	U1159	U1158	U1157	U1156	U1155	U1154	U1153	U1152	U1151	U1150	U1149	U1148	U1147	U1146	U1145	U1144	U1143	U1142	U1141	U1140	U1139	U1138	U1137	U1136	U1135	U1134	U1133	U1132	U1131	U1130	U1129	U1128	U1127	U1126	U1125	U1124	U1123	U1122	U1121	U1120	U1119	U1118	U1117	U1116	U1115	U1114	U1113	U1112	U1111	U1110	U1109	U1108	U1107	U1106	U1105	U1104	U1103	U1102	U1101	U1100	U1099	U1098	U1097	U1096	U1095	U1094	U1093	U1092	U1091	U1090	U1089	U1088	U1087	U1086	U1085	U1084	U1083	U1082	U1081	U1080	U1079	U1078	U1077	U1076	U1075	U1074	U1073	U1072	U1071	U1070	U1069	U1068	U1067	U1066	U1065	U1064	U1063	U1062	U1061	U1060	U1059	U1058	U1057	U1056	U1055	U1054	U1053	U1052	U1051	U1050	U1049	U1048	U1047	U1046	U1045	U1044	U1043	U1042	U1041	U1040	U1039	U1038	U1037	U1036	U1035	U1034	U1033	U1032	U1031	U1030	U1029	U1028	U1027	U1026	U1025	U1024	U1023	U1022	U1021	U1020	U1019	U1018	U1017	U1016	U1015	U1014	U1013	U1012	U1011	U1010	U1009	U1008	U1007	U1006	U1005	U1004	U1003	U1002	U1001	U1000	U999	U998	U997	U996	U995	U994	U993	U992	U991	U990	U989	U988	U987	U986	U985	U984	U983	U982	U981	U980	U979	U978	U977	U976	U975	U974	U973	U972	U971	U970	U969	U968	U967	U966	U965	U964	U963	U962	U961	U960	U959	U958	U957	U956	U955	U954	U953	U952	U951	U950	U949	U948	U947	U946	U945	U944	U943	U942	U941	U940	U939	U938	U937	U936	U935	U934	U933	U932	U931	U930	U929	U928	U927	U926	U925	U924	U923	U922	U921	U920	U919	U918	U917	U916	U915	U914	U913	U912	U911	U910	U909	U908	U907	U906	U905	U904	U903	U902	U901	U900	U899	U898	U897	U896	U895	U894	U893	U892	U891	U890	U889	U888	U887	U886	U885	U884	U883	U882	U881	U880	U879	U878	U877	U876	U875	U874	U873	U872	U871	U870	U869	U868	U867	U866	U865	U864	U863	U862	U861	U860	U859	U858	U857	U856	U855	U854	U853	U852	U851	U850	U849	U848	U847	U846	U845	U844	U843	U842	U841	U840	U839	U838	U837	U836	U835	U834	U833	U832	U831	U830	U829	U828	U827	U826	U825	U824	U823	U822	U821	U820	U819	U818	U817	U816	U815	U814	U813	U812	U811	U810	U809	U808	U807	U806	U805	U804	U803	U802	U801	U800	U799	U798	U797	U796	U795	U794	U793	U792	U791	U790	U789	U788	U787	U786	U785	U784	U783	U782	U781	U780	U779	U778	U777	U776	U775	U774	U773	U772	U771	U770	U769	U768	U767	U766	U765	U764	U763	U762	U761	U760	U759	U758	U757	U756	U755	U754	U753	U752	U751	U750	U749	U748	U747	U746	U745	U744	U743	U742	U741	U740	U739	U738	U737	U736	U735	U734	U733	U732	U731	U730	U729	U728	U727	U726	U725	U724	U723	U722	U721	U720	U719	U718	U717	U716	U715	U714	U713	U712	U711	U710	U709	U708	U707	U706	U705	U704	U703	U702	U701	U700	U699	U698	U697	U696	U695	U694	U693	U692	U691	U690	U689	U688	U687	U686	U685	U684	U683	U682	U681	U680	U679	U678	U677	U676	U675	U674	U673	U672	U671	U670	U669	U668	U667	U666	U665	U664	U663	U662	U661	U660	U659	U658	U657	U656	U655	U654	U653	U652	U651	U650	U649	U648	U647	U646	U645	U644	U643	U642	U641	U640	U639	U638	U637	U636	U635	U634	U633	U632	U631	U630	U629	U628	U627	U626	U625	U624	U623	U622	U621	U620	U619	U618	U617	U616	U615	U614	U613	U612	U611	U610	U609	U608	U607	U606	U605	U604	U603	U602	U601	U600	U599	U598	U597	U596	U595	U594	U593	U592	U591	U590	U589	U588	U587	U586	U585	U584	U583	U582	U581	U580	U579	U578	U577	U576	U575	U574	U573	U572	U571	U570	U569	U568	U567	U566	U565	U564	U563	U562	U561	U560	U559	U558	U557	U556	U555	U554	U553	U552	U551	U550	U549	U548	U547	U546	U545	U544	U543	U542	U541	U540	U539	U538	U537	U536	U535	U534	U533	U532	U531	U530	U529	U528	U527	U526	U525	U524	U523	U522	U521	U520	U519	U518	U517	U516	U515	U514	U513	U512	U511	U510	U509	U508	U507	U506	U505	U504	U503	U502	U501	U500	U499	U498	U497	U496	U495	U494	U493	U492	U491	U490	U489	U488	U487	U486	U485	U484	U483	U482	U481	U480	U479	U478	U477	U476	U475	U474	U473	U472	U471	U470	U469	U468	U467	U466	U465	U464	U463	U462	U461	U460	U459	U458	U457	U456	U455	U454	U453	U452	U451	U450	U449	U448	U447	U446	U445	U444	U443	U442	U441	U440	U439	U438	U437	U436	U435	U434	U433	U432	U431	U430	U429	U428	U427	U426	U425	U424	U423	U422	U421	U420	U419	U418	U417	U416	U415	U414	U413	U412	U411	U410	U409	U408	U407	U406	U405	U404	U403	U402	U401	U400	U399	U398	U397	U396	U395	U394	U393	U392	U391	U390	U389	U388	U387	U386	U385	U384	U383	U382	U381	U380	U379	U378	U377	U376	U375	U374	U373	U372	U371	U370	U369	U368	U367	U366	U365	U364	U363	U362	U361	U360	U359	U358	U357	U356	U355	U354	U353	U352	U351	U350	U349	U348	U347	U346	U345	U344	U343	U342	U341	U340	U339	U338	U337	U336	U335	U334	U333	U332	U331	U330	U329	U328	U327	U326	U325	U324	U323	U322	U321	U320	U319	U318	U317	U316	U315	U314	U313	U312	U311	U310	U309	U308	U307	U306	U305	U304	U303	U302	U301	U300	U299	U298	U297	U296	U295	U294	U293	U292	U291	U290	U289	U288	U287	U286	U285	U284	U283	U282	U281	U280	U279	U278	U277	U276	U275	U274	U273	U272	U271	U270	U269	U268	U267
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

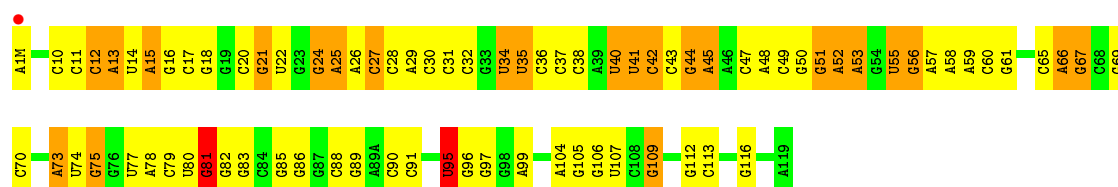
U2696	A2632	G2494	U2431	A2366	G2304	G2238	C2162	U2098	A2030	C1961	G1896	G1823	A1759	C1672
G2697	G2633	G2495	A2432	G2367	A2505	G2239	C2163	U2099	A2031	C1962	G1897	G1824	A1760	U1673
U2698	G2634	G2496	A2433	G2368	C2306	G2240	C2164	U2100	G2032	U1761	G1898	A1825	A1761	C1674
G2699	G2635	C2497	A2434	A2369	G2307	U2241	U2101	U2102	A2033	G1964	G1899	G1826	A1762	C1675
C2700	G2636	C2498	A2435	G2370	G2308	U2242	U2103	G2104	U2034	C1965	A1900	C1827	G1763	A1676
U2701	G2637	C2499	U2436	G2371	A2309	U2243	U2104	G2105	G2035	A1966	A1901	G1828	G1764	A1677
U2702	A2638	U2500	U2437	G2372	A2310	U2244	U2105	C2106	C2036	C1967	C1902	A1829	C1765	G1678
C2703	G2639	G2501	A2438	U2373	A2311	U2245	U2106	U2107	G2037	G1968	G1903	C1830	U1766	
	G2640	G2502	A2439	A2376	U2312	U2246	U2108	U2109	G2038	A1969	G1904	U1833	C1771	G1681
G2707	G2641	C2512	G2447	A2377	C2313	U2247	A2170	C1970	C2039	A1970	C1905	U1834	G1772	G1682
G2708	G2642	U2503	C2441	A2378	C2314	U2248	A2171	C1971	U1904	A1971	C1906	U1835	G1773	C1683
G2709	G2643	G2504	C2442	A2379	C2315	U2249	A2172	U2109	G1904	A1972	G1906	U1836	A1774	C1684
G2710	G2644	G2505	C2443	G2380	G2316	G2250	A2173	C2110	A2042	A1973	G1907	U1837	C1775	C1685
C2711	G2645	G2506	G2444	C2381	C2317	G2251	C2174	C2111	C2043	G1974	G1908	C1838	U1776	C1686
G2712	G2646	C2507	G2445	G2382	C2318	U2252	C2175	G2112	G2046	C1975	A1912	G1839	G1777	G1687
U2713	U2647	C2512	G2447	G2383	C2319	U2253	A2176	U2113	G2047	U1976	A1913	U1840	U1778	A1689
A2714	U2648	G2513	C2448	G2384	A2320	G2254	A2177	A2114	G2048	G1979	A1914	G1842	U1779	
G2715	U2649	U2514	U2449	C2385	G2321	U2255	C2178	G2115	C2050	C1980	U1915	G1843	A1780	U1693
C2716	G2650	G2515	A2450	C2386	A2322	U2256	U2180	G2116	A2051	A1981	A1916	C1844	C1781	C1694
U2717	U2651	C2516	A2451	U2387	G2323	U2257	G2181	U2117	G2052	A1982	U1917	C1845	C1782	G1695
U2718	U2652	A2518	C2452	A2388	C2324	U2258	G2182	A2118	G2053	G1983	A1918	C1846	A1783	G1696
G2719	G2653	U2519	A2453	G2389	G2325	U2259	C2183	G2120	A2054	U1984	A1919	G1847	A1784	G1697
G2720	G2654	C2520	G2454	U2390	C2326	U2260	G2184	G2121	C2055	G1985	C1920	A1848	A1785	A1698
G2721	G2655	C2521	G2455	G2391	A2327	U2261	C2185	U2122	G2056	G1986	G1921	A1849	A1786	G1699
A2722	U2656	U2522	G2456	A2392	A2328	U2262	C2186	G2123	A2057	A1787	G1922	G1850	A1788	A1700
G2723	G2657	G2523	U2457	A2393	C2329	U2263	C2187	G2124	A2058	C1988	U1923	G1851	U1789	A1701
C2724	U2658	U2524	G2458	C2394	G2330	U2264	C2188	G2125	G2059	G1989	G1924	U1852	C1789	G1705
U2725	G2659	G2525	C2459	G2395	G2331	U2265	U2189	A2126	A2060	A1992	C1925	C1852	A1790	U1716
G2726	A2660	C2526	U2460	C2402	A2332	U2266	G2190	G2127	G2061	U1993	U1926	A1853	A1791	G1717
G2727	G2661	U2527	U2461	G2403	G2333	U2267	C2191	G2128	A2062	C1994	A1927	A1854	A1792	G1718
G2728	G2662	G2528	U2462	C2404	A2334	U2268	G2192	C2129	C2063	U1995	A1928	G1855	G1793	G1725
U2729	G2663	A2530	C2463	G2405	A2335	U2269	C2193	U2130	C2064	C1996	G1929	G1856	C1794	G1726
G2730	G2664	U2531	U2464	U2407	A2336	U2270	G2194	C2131	G2072	G1997	G1930	G1857	G1795	U1727
G2731	G2665	C2532	C2465	C2408	G2337	U2271	C2206	U2132	C2073	G2009	A1936	G1858	C1796	G1718
G2732	U2666	G2533	G2466	G2409	U2344	U2272	C2207	G2133	U2074	G2010	A1937	G1859	A1802	G1719
G2733	G2667	A2534	C2467	C2410	G2345	U2273	C2208	G2134	U2075	U2011	U1938	C1870	A1803	G1731
U2734	G2668	G2535	G2468	U2411	A2346	U2274	C2209	A2135	C2076	G2012	U1940	A1871	C1804	A1732
G2735	G2669	U2536	A2469	U2406	C2347	U2275	C2210	C2136	G2077	A2013	U1941	A1872	U1805	G1733
U2736		G2537	G2470	G2407	G2348	U2276	C2211	C2137	U2078	A2014	C1942	G1873	C1806	C1734
G2737	G2670	U2538	C2471	U2408	U2349	U2277	A2212	U2138	G2079	A2015	U1943	G1874	G1807	C1735
A2738	G2671	C2539	U2472	C2416	G2350	U2278	C2213	G2139	G2080	G2016	U1944	C1880		
U2739	G2672	U2540	U2473	A2411	A2351	U2279	C2214	G2140	A2082	U2017	U1945	C1881	A1810	G1746
A2740	G2673	G2550	C2474	G2414	G2352	U2280	G2215	C2146	U2083	G2018	U1946	C1882	G1811	G1747
G2741	U2674	U2551	A2475	G2415	U2353	U2281	C2216	G2147	G2084	A2019	G1947	G1883	A1812	G1748
G2742	G2675	C2552	U2476	C2417	G2354	U2282	G2217	U2150	U2085	A2020	G1948	A1884	G1813	
U2743	G2676	U2553	G2477	U2418	G2355	U2283	C2218	G2148	G2086	C2021	U1951	A1885	G1750	G1749
U2744	G2677	G2554	A2478	U2419	G2356	U2284	C2219	G2149	G2087	G2022	U1952	A1886	A1814	
U2745	G2678	U2555	U2479	C2420	U2357	U2285	G2220	U2151	U2088	U2023	U1953	C1887	A1815	G1751
U2746	G2679	C2556	C2480	U2421	G2358	U2286	C2221	G2152	G2090	G2024	A1952	C1888	C1752	C1753
G2747	U2680	U2557	G2481	G2422	C2359	U2287	C2222	G2153	U2092	G2025	G1954	A1889	U1817	C1754
U2748	G2681	G2558	G2482	G2423	C2360	U2288	C2223	A2154	G2093	C2026	U1955	C1893	A1819	A1755
A2749	G2682	U2559	U2483	U2424	U2361	U2289	C2224	G2155	U2094	G2027	U1956	C1894	A1820	A1756
U2750	U2683	C2560	C2484	U2425	G2362	U2290	C2225	G2156	G2095	U2028	C1957	C1895	A1821	G1757
G2751	G2684	U2561	U2485	U2426	C2363	U2291	C2226	G2157	C2096	G2029			G1822	G1758
G2752	G2685	G2562	G2486	U2427	U2364	U2292	C2227	A2158	C2097					
C2753	G2686	U2563	U2487	U2428	C2365	U2293	C2228	G2159	C2098					
A2754	U2687	C2564	A2488	U2429	U2366	U2294	C2229	G2160	C2099					
U2755	G2688	U2565	G2489	U2430	C2367	U2295	C2230	C2161	C2097					
U2756	G2689	U2566	G2490	C2427	G2368	U2296	C2231		C2097					
U2757	G2690	C2567	C2491	G2428	U2369	U2297	C2232		C2097					
	G2691	U2568	U2492	G2429	C2370	U2298	C2233		C2097					
	C2692	G2693	U2493	G2430	G2369	U2299	C2234		C2097					
	G2693	A2564			G2370	U2300	C2235		C2097					
	G2694				G2371	C2301	C2236		C2097					
	G2695				G2372	C2302	C2237		C2097					
					G2373	C2303	C2238		C2097					
					G2374	G2304	C2239		C2097					
					G2375	G2305	C2240		C2097					
					G2376	G2306	C2241		C2097					
					G2377	G2307	C2242		C2097					
					G2378	G2308	C2243		C2097					
					G2379	G2309	C2244		C2097					
					G2380	G2310	C2245		C2097					
					G2381	G2311	C2246		C2097					
					G2382	G2312	C2247		C2097					
					G2383	G2313	C2248		C2097					
					G2384	G2314	C2249		C2097					
					G2385	G2315	C2250		C2097					
					G2386	G2316	C2251		C2097					
					G2387	G2317	C2252		C2097					
					G2388	G2318	C2253		C2097					
					G2389	G2319	C2254		C2097					
					G2390	G2320	C2255		C2097					
					G2391	G2321	C2256		C2097					
					G2392	G2322	C2257		C2097					
					G2393	G2323	C2258		C2097					
					G2394	G2324	C2259		C2097					
					G2395	G2325	C2260		C2097					
					G2396	G2326	C2261		C2097					
					G2397	G2327	C2262		C2097					
					G2398	G2328	C2263		C2097					
					G2399	G2329	C2264		C2097					
					G2400	G2330	C2265		C2097					
					G2401	G2331	C2266		C2097					
					G2402	G2332	C2267		C2097					
					G2403	G2333	C2268		C2097					
					G2404	G2334	C2269		C2097					
					G2405	G2335	C2270		C2097					
					G2406	G2336	C2271		C2097					
					G2407	G2337	C2272		C2097					
					G2408	G2338	C2273		C2097					
					G2409	G2339	C2274		C2097					
					G2410	G2340	C2275		C2097					
					G2411	G2341	C2276		C2097					
					G2412	G2342	C2277		C2097					
					G2413	G2343	C2278							



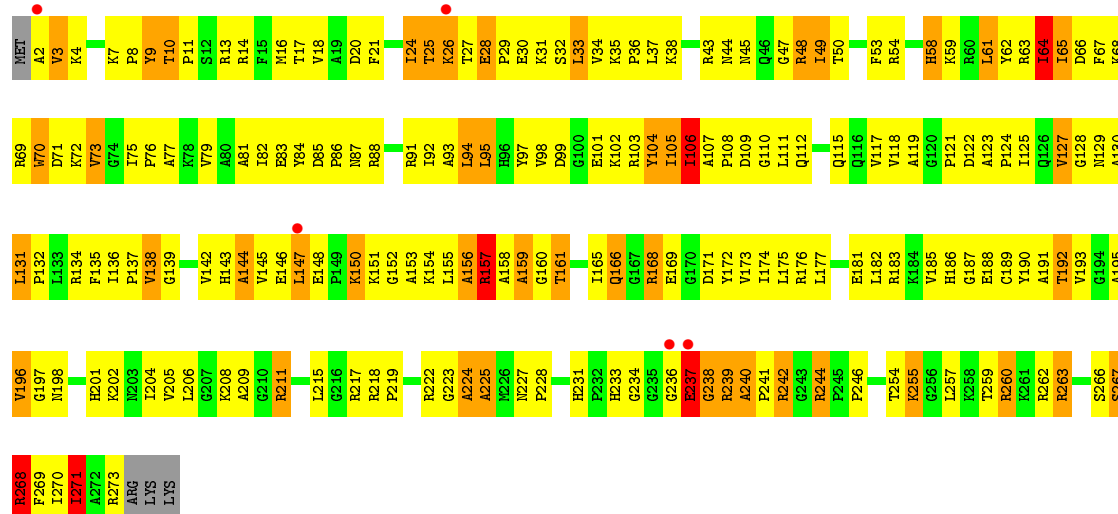
• Molecule 2: 5S RIBOSOMAL RNA

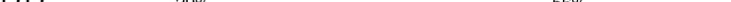


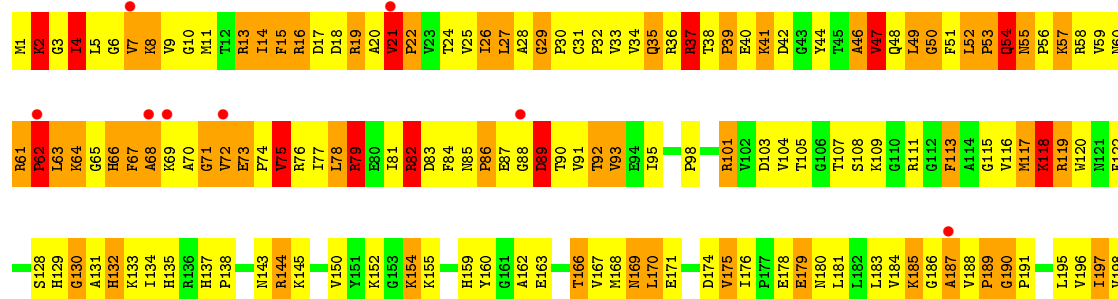
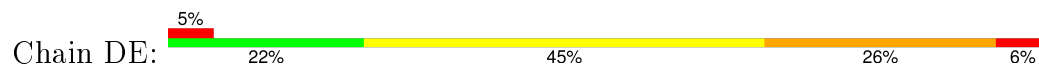
• Molecule 2: 5S RIBOSOMAL RNA

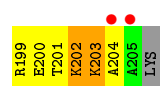


• Molecule 3: 50S RIBOSOMAL PROTEIN L2

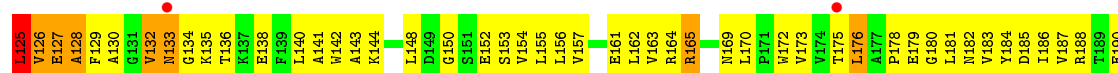


Chain DD: 

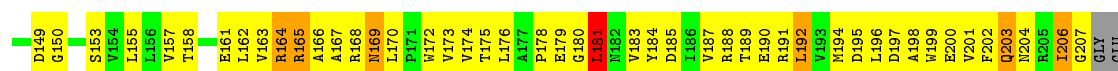
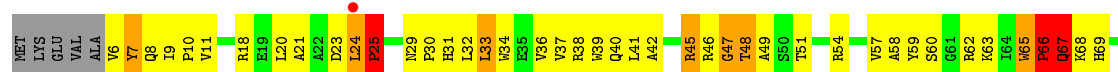




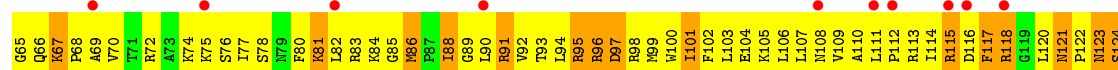
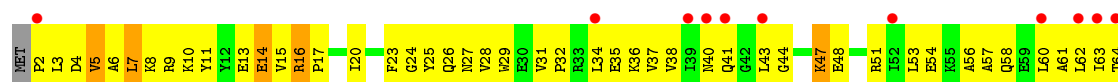
• Molecule 5: 50S RIBOSOMAL PROTEIN L4



• Molecule 5: 50S RIBOSOMAL PROTEIN L4

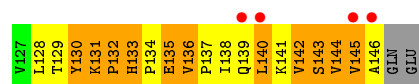


• Molecule 6: 50S RIBOSOMAL PROTEIN L5

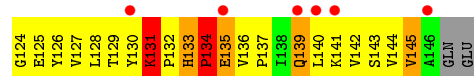
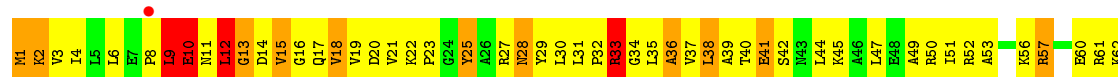
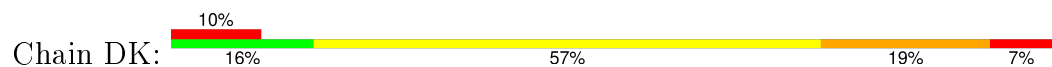


• Molecule 6: 50S RIBOSOMAL PROTEIN L5

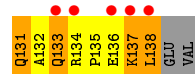
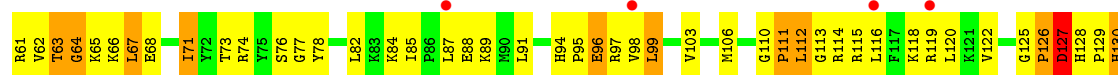




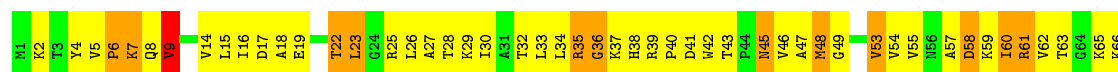
• Molecule 8: 50S RIBOSOMAL PROTEIN L9



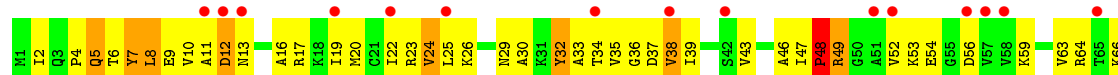
• Molecule 9: 50S RIBOSOMAL PROTEIN L13

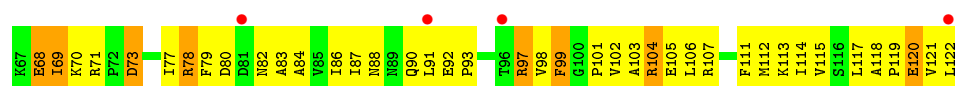


• Molecule 9: 50S RIBOSOMAL PROTEIN L13

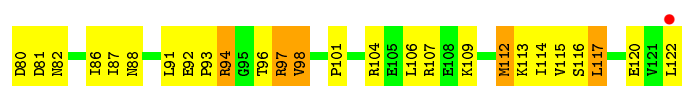
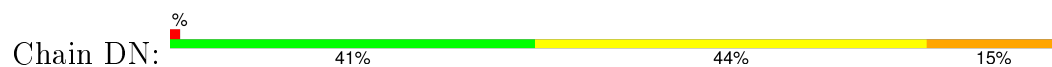


• Molecule 10: 50S RIBOSOMAL PROTEIN L14

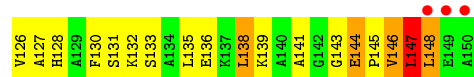
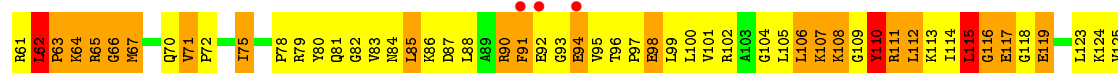
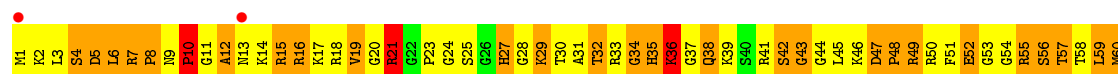
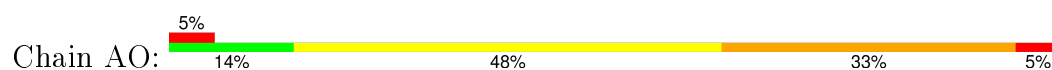




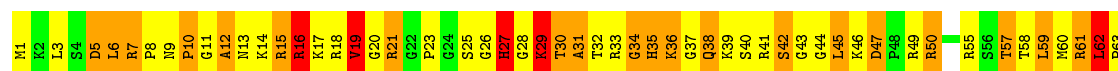
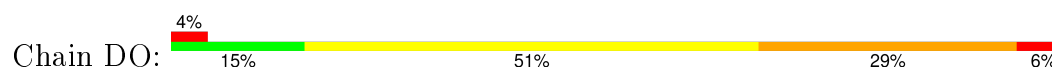
## • Molecule 10: 50S RIBOSOMAL PROTEIN L14



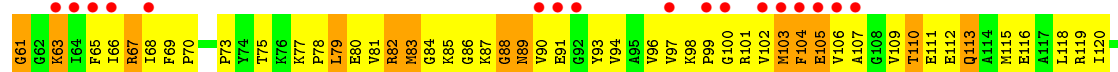
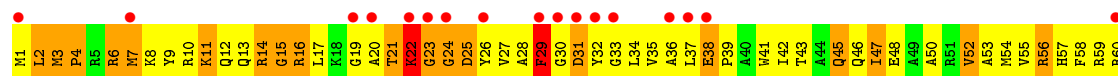
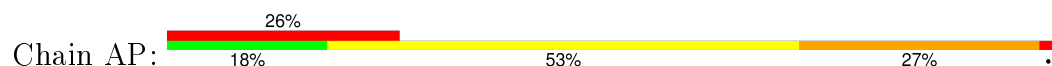
## • Molecule 11: 50S RIBOSOMAL PROTEIN L15

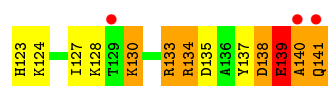


## • Molecule 11: 50S RIBOSOMAL PROTEIN L15

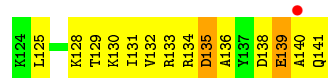
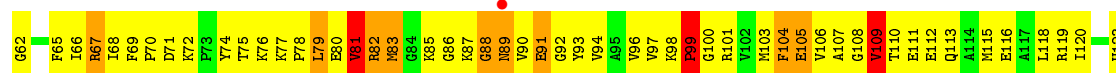


## • Molecule 12: 50S RIBOSOMAL PROTEIN L16





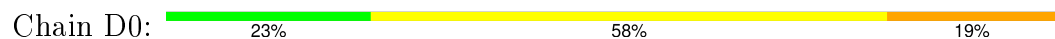
## ● Molecule 12: 50S RIBOSOMAL PROTEIN L16



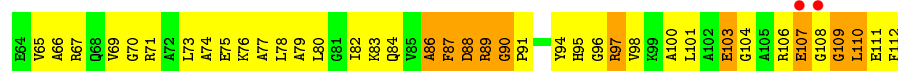
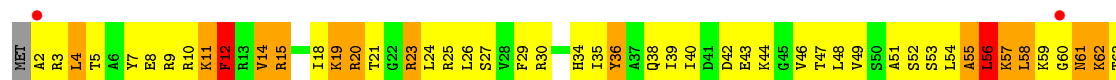
## ● Molecule 13: 50S RIBOSOMAL PROTEIN L17



## ● Molecule 13: 50S RIBOSOMAL PROTEIN L17

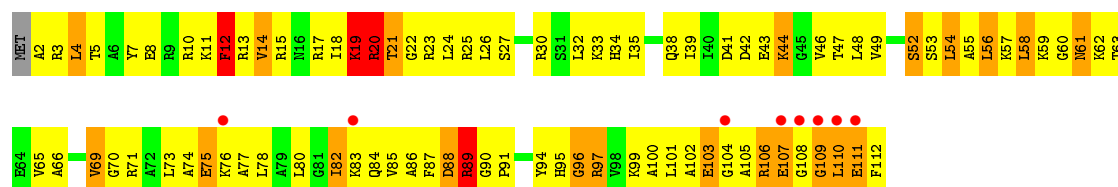


## ● Molecule 14: 50S RIBOSOMAL PROTEIN L18



## ● Molecule 14: 50S RIBOSOMAL PROTEIN L18





• Molecule 15: 50S RIBOSOMAL PROTEIN L19



• Molecule 15: 50S RIBOSOMAL PROTEIN L19

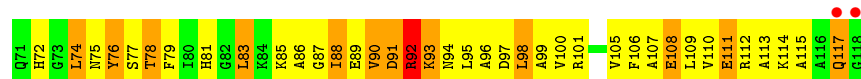


• Molecule 16: 50S RIBOSOMAL PROTEIN L20

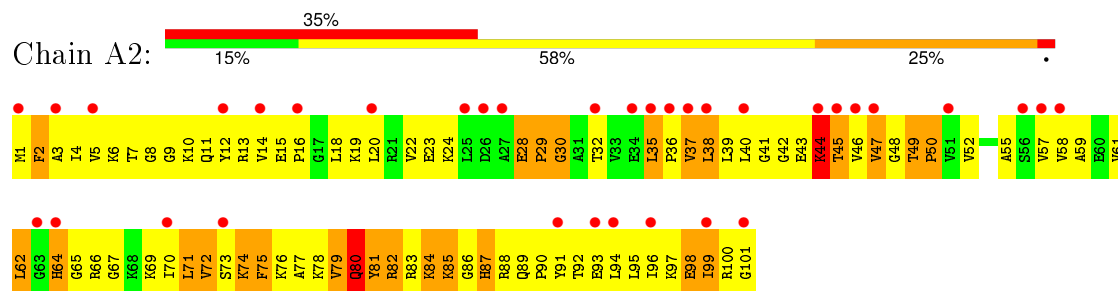


• Molecule 16: 50S RIBOSOMAL PROTEIN L20

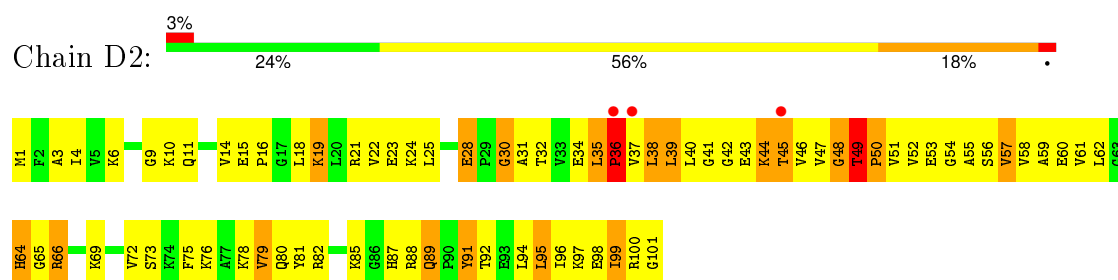




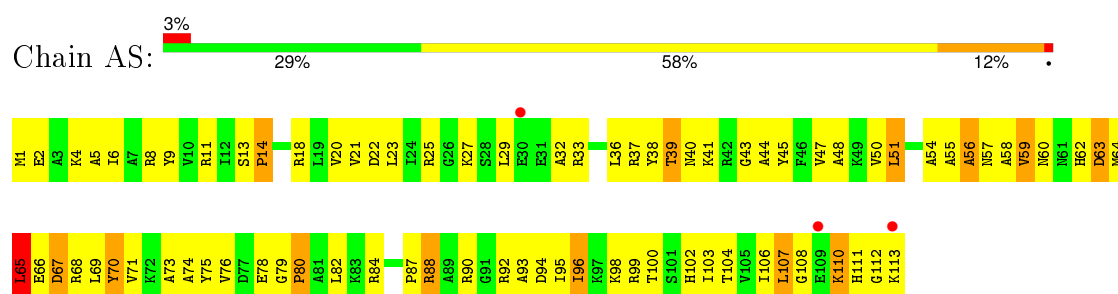
• Molecule 17: 50S RIBOSOMAL PROTEIN L21



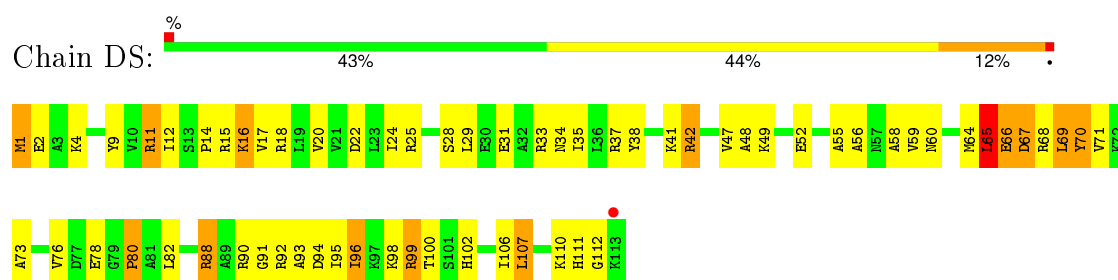
• Molecule 17: 50S RIBOSOMAL PROTEIN L21



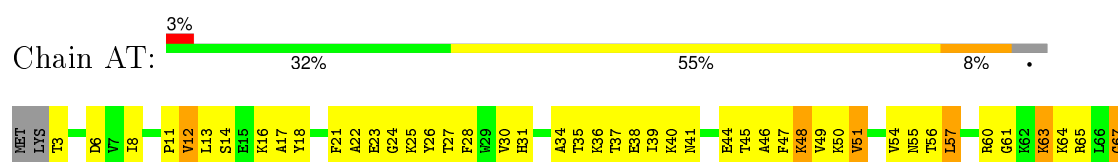
• Molecule 18: 50S RIBOSOMAL PROTEIN L22

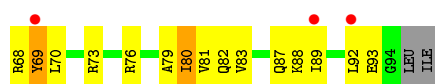


• Molecule 18: 50S RIBOSOMAL PROTEIN L22



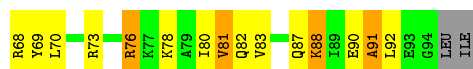
• Molecule 19: 50S RIBOSOMAL PROTEIN L23





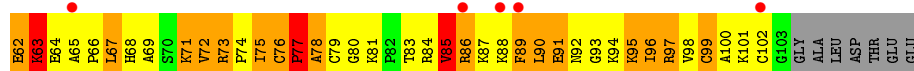
• Molecule 19: 50S RIBOSOMAL PROTEIN L23

Chain DT: 35% 51% 9%



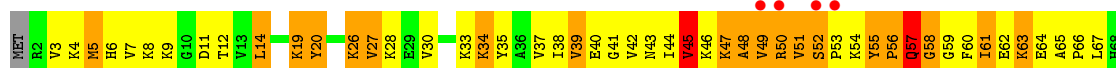
• Molecule 20: 50S RIBOSOMAL PROTEIN L24

Chain AU: 15% 8% 46% 30% 8% 7%



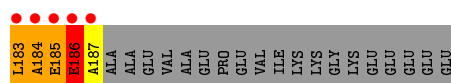
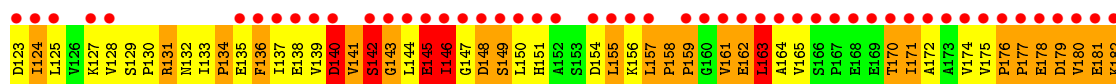
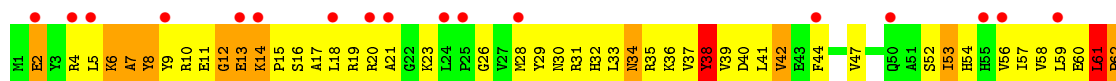
• Molecule 20: 50S RIBOSOMAL PROTEIN L24

Chain DU: 5% 20% 42% 27% 7%

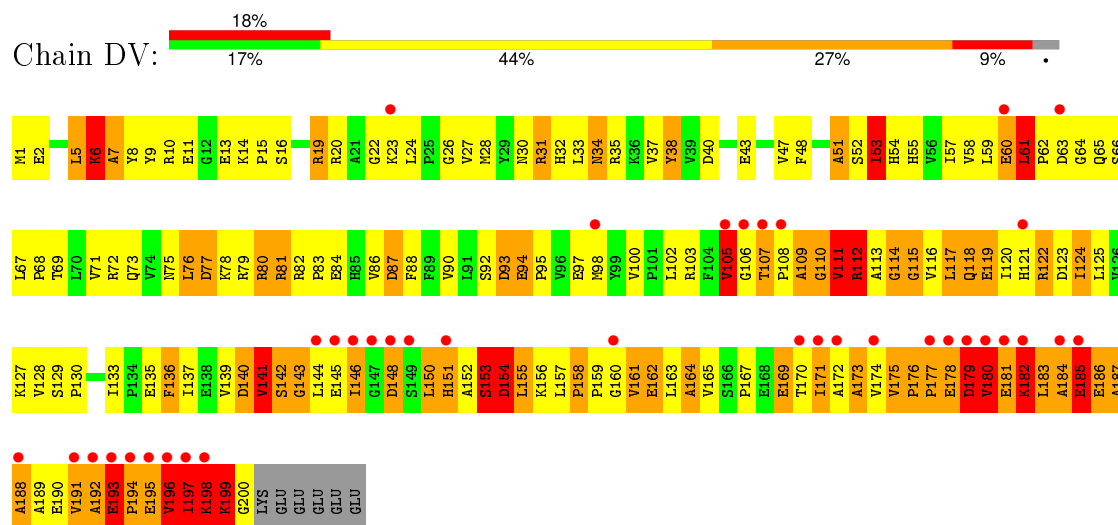


• Molecule 21: 50S RIBOSOMAL PROTEIN L25

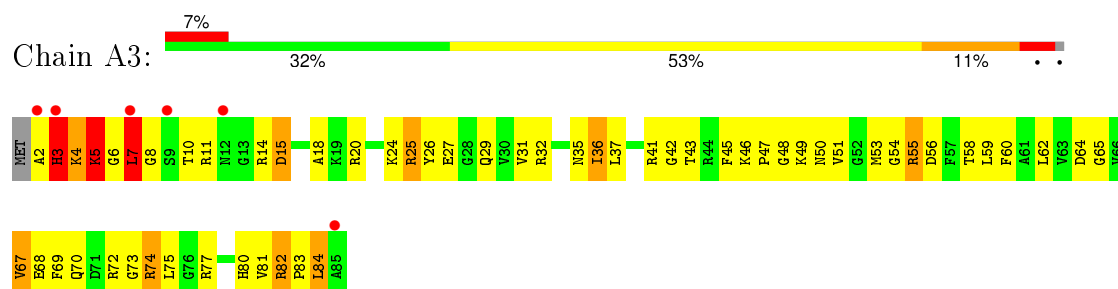
Chain AV: 54% 12% 47% 25% 7% 9%



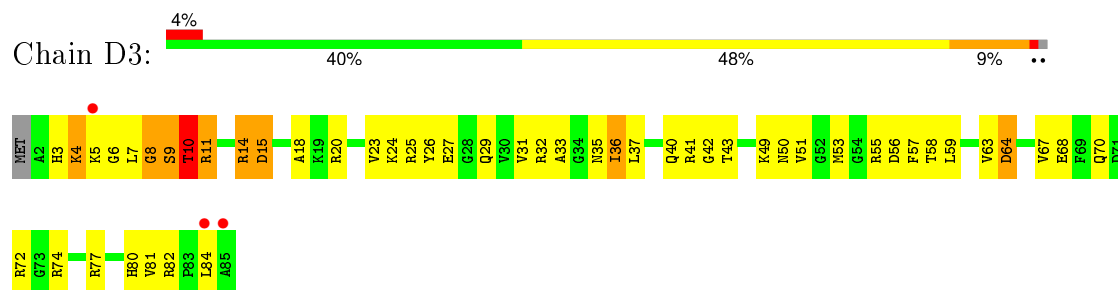
## ● Molecule 21: 50S RIBOSOMAL PROTEIN L25



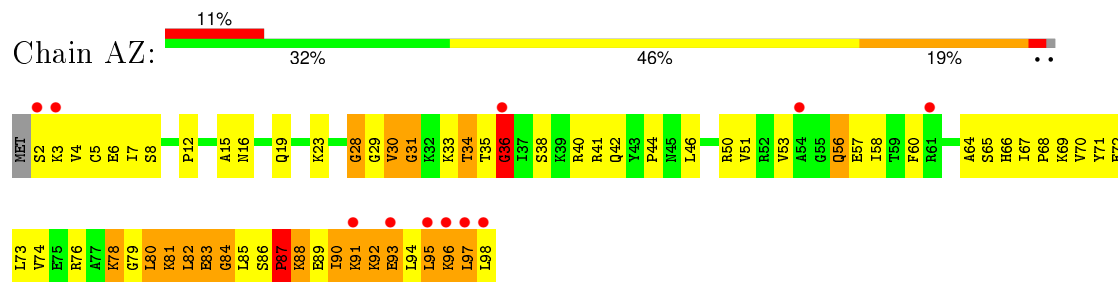
## ● Molecule 22: 50S RIBOSOMAL PROTEIN L27



## ● Molecule 22: 50S RIBOSOMAL PROTEIN L27

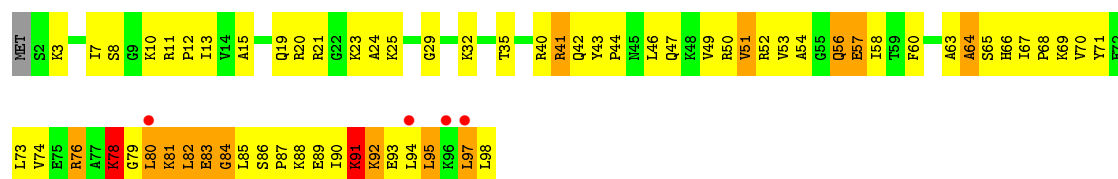


## ● Molecule 23: 50S RIBOSOMAL PROTEIN L28

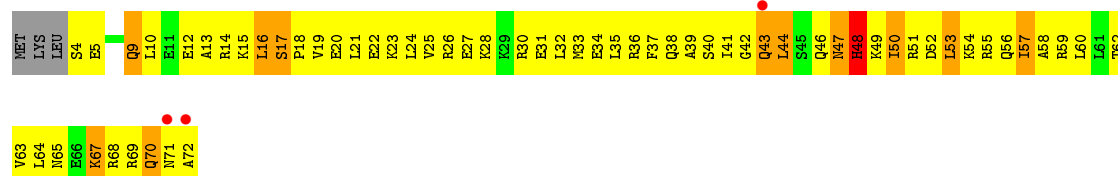


## ● Molecule 23: 50S RIBOSOMAL PROTEIN L28

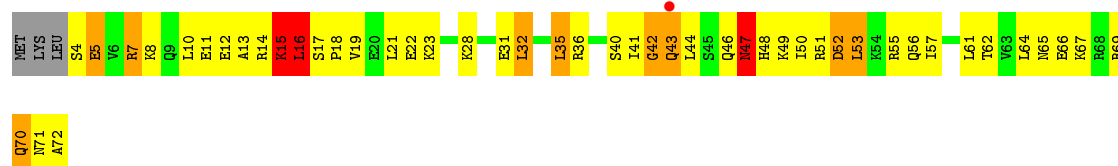




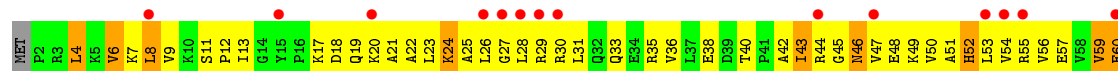
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



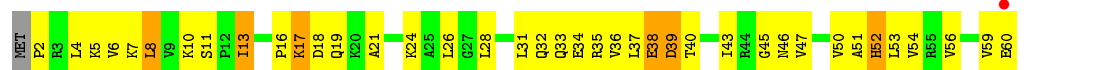
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



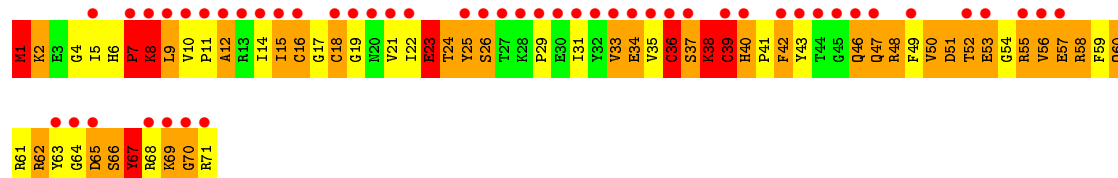
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



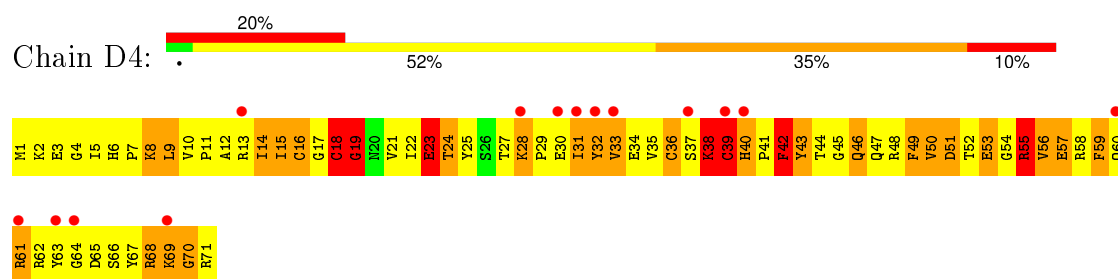
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



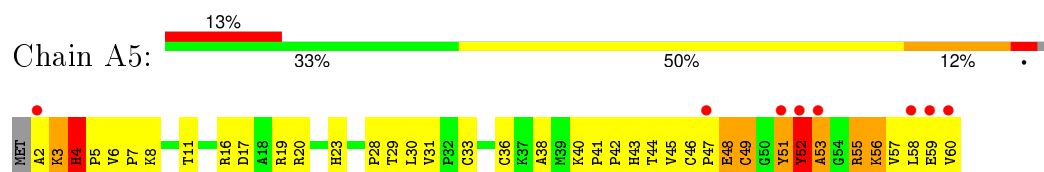
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



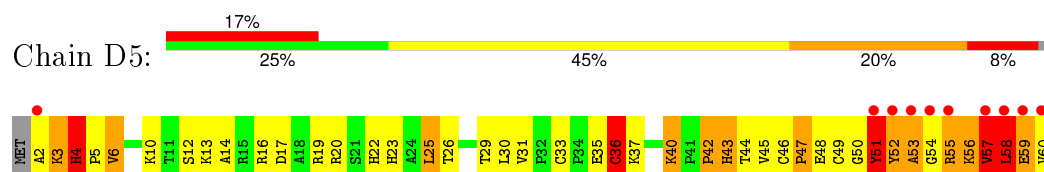
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



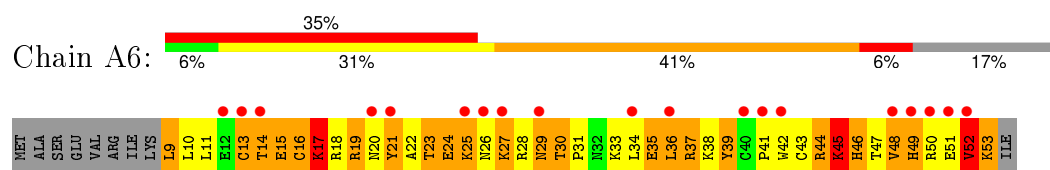
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



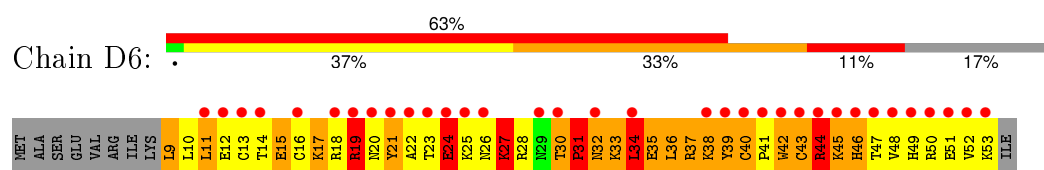
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



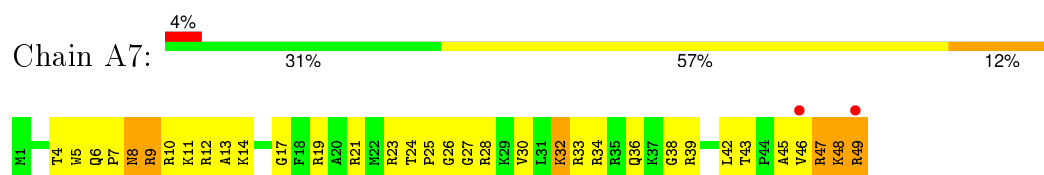
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



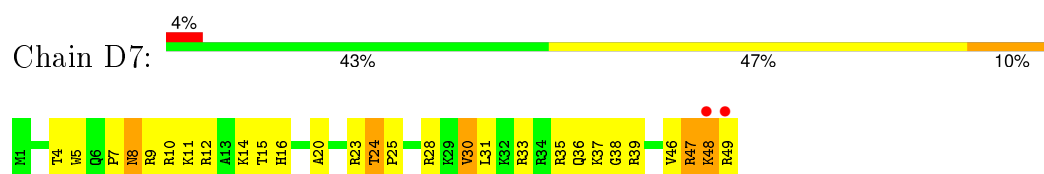
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



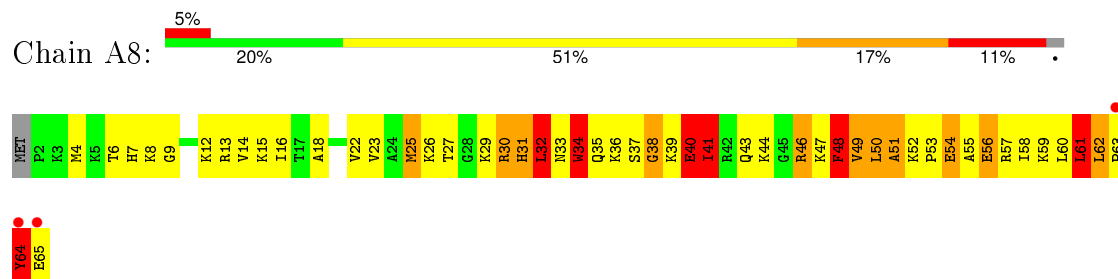
• Molecule 29: 50S RIBOSOMAL PROTEIN L34



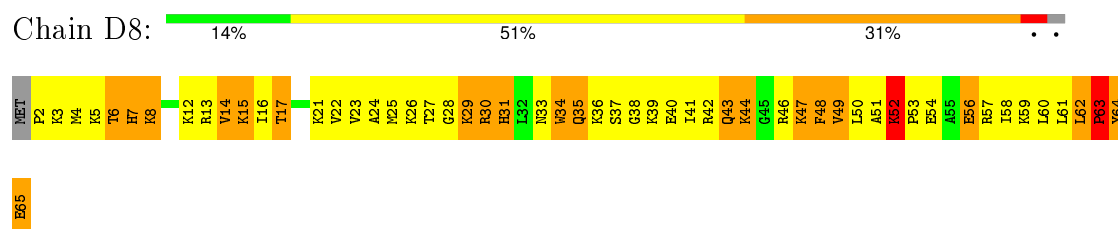
• Molecule 29: 50S RIBOSOMAL PROTEIN L34



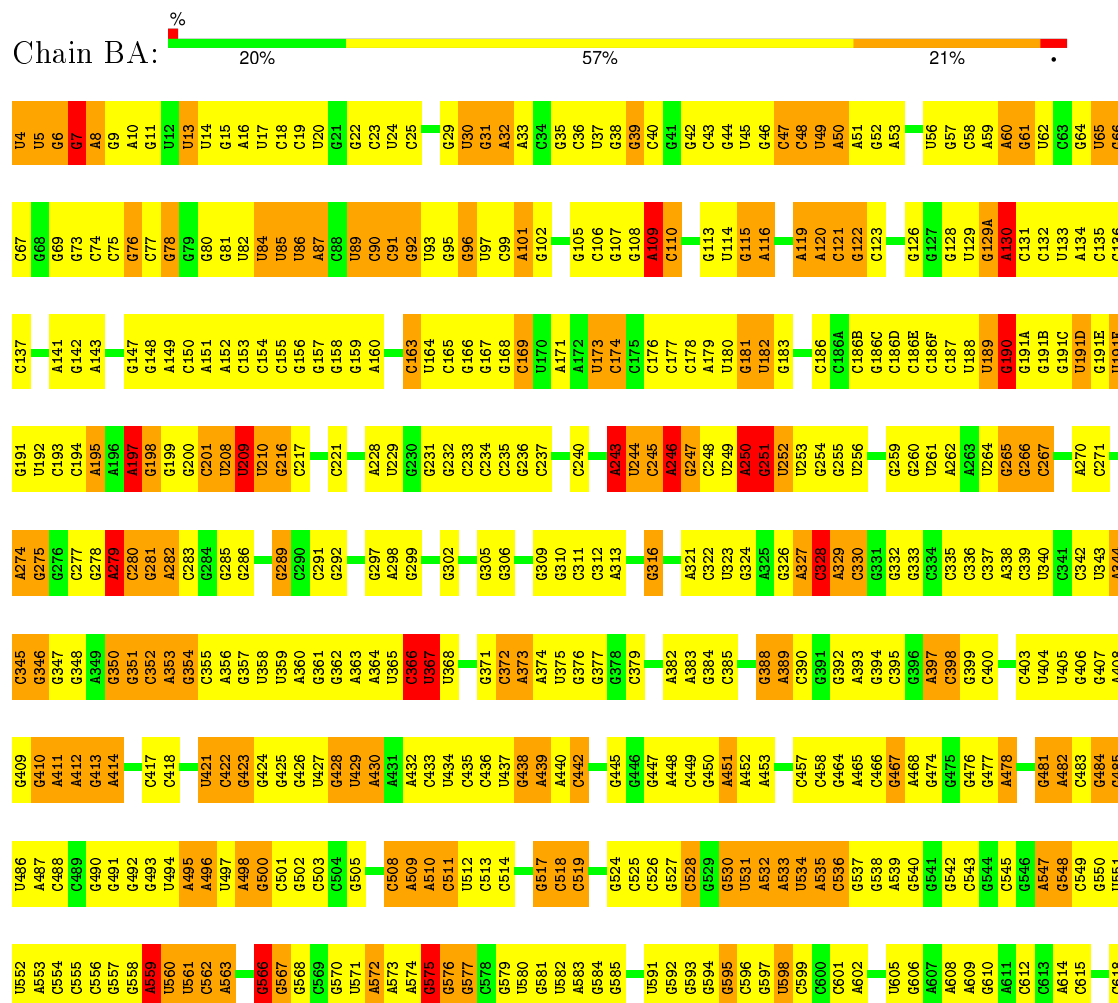
- Molecule 30: 50S RIBOSOMAL PROTEIN L35



- Molecule 30: 50S RIBOSOMAL PROTEIN L35

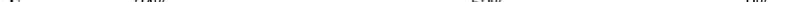


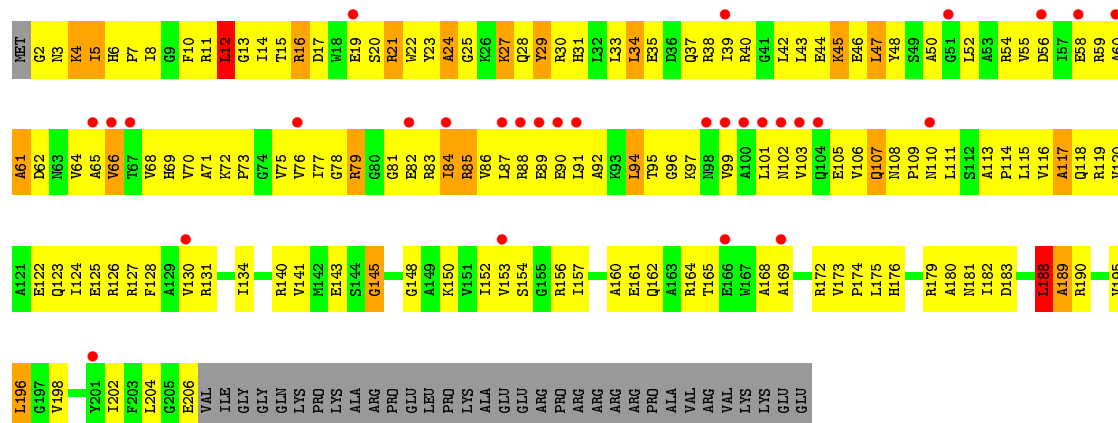
- Molecule 31: 16S ribosomal RNA

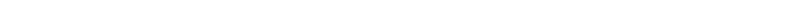


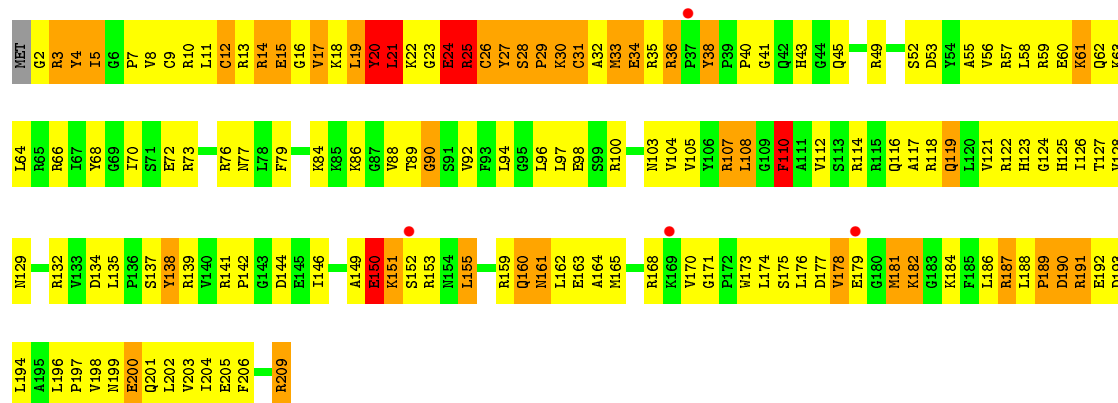
- Molecule 32: 30S ribosomal protein S2

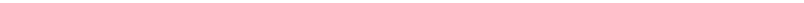


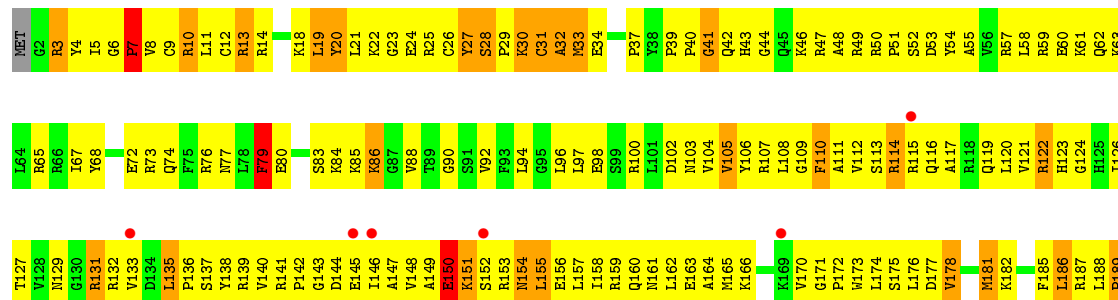
Chain CF: 

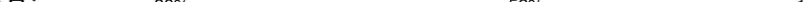


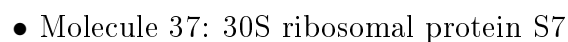
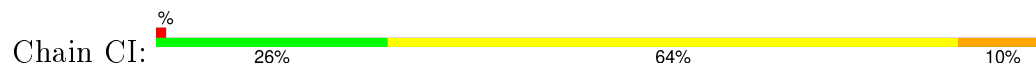
Chain BG: 

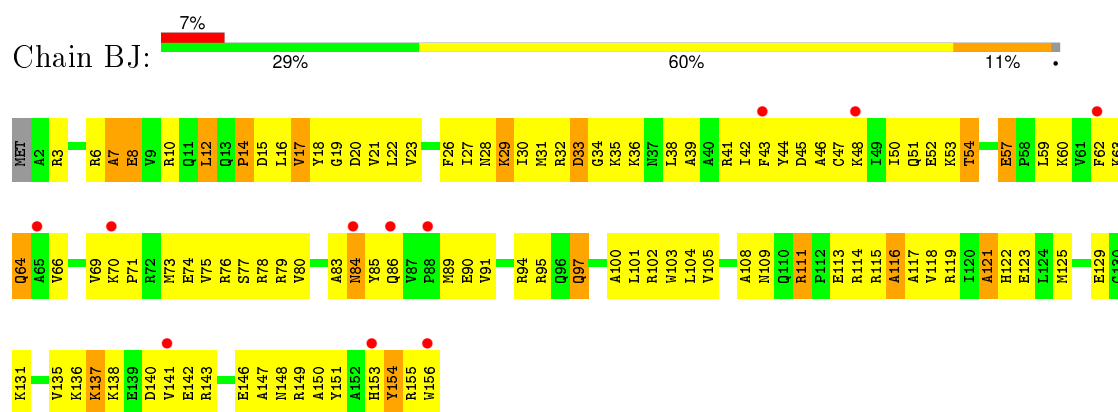


Chain CG: 

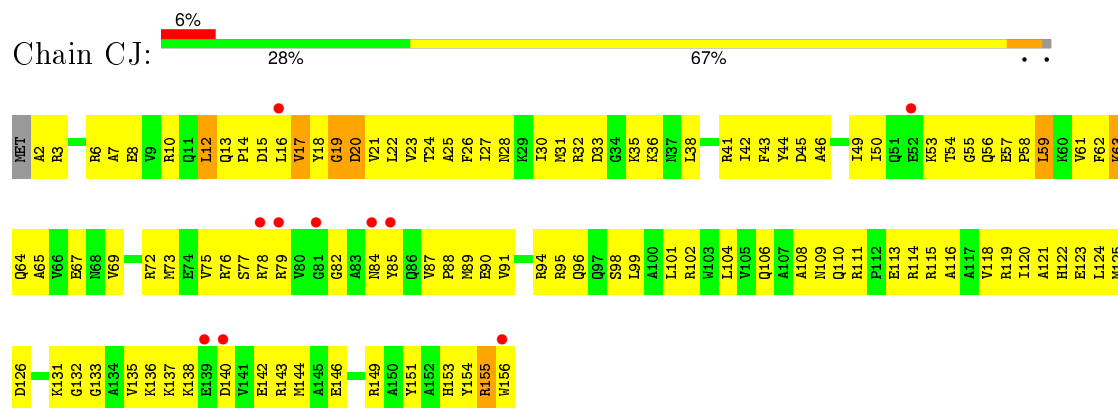


Chain BH: 

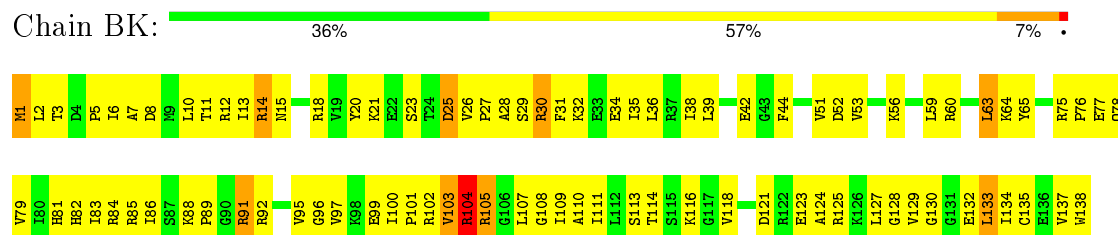




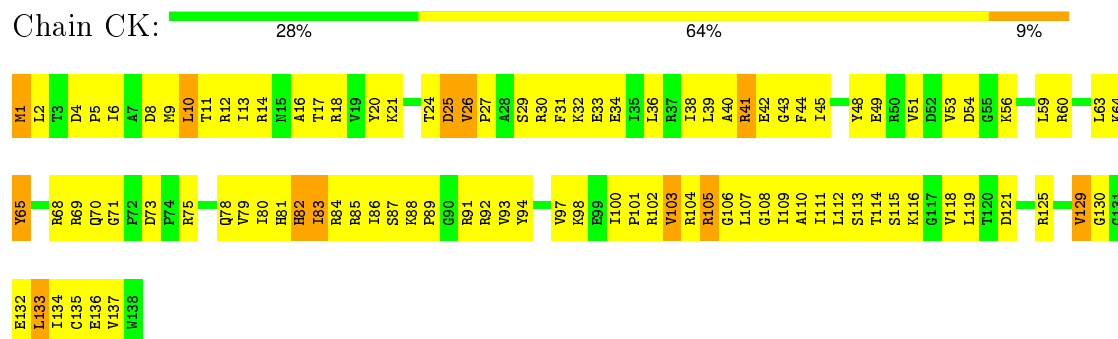
- Molecule 37: 30S ribosomal protein S7



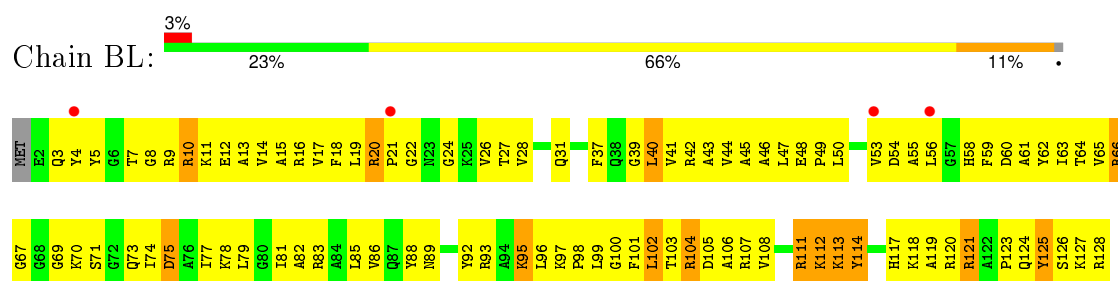
- Molecule 38: 30S ribosomal protein S8



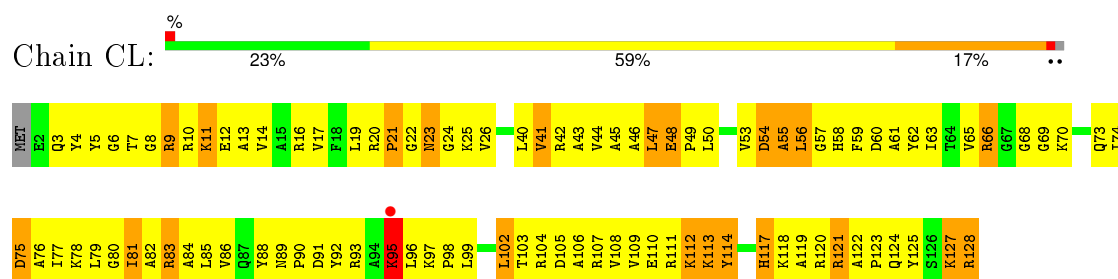
- Molecule 38: 30S ribosomal protein S8



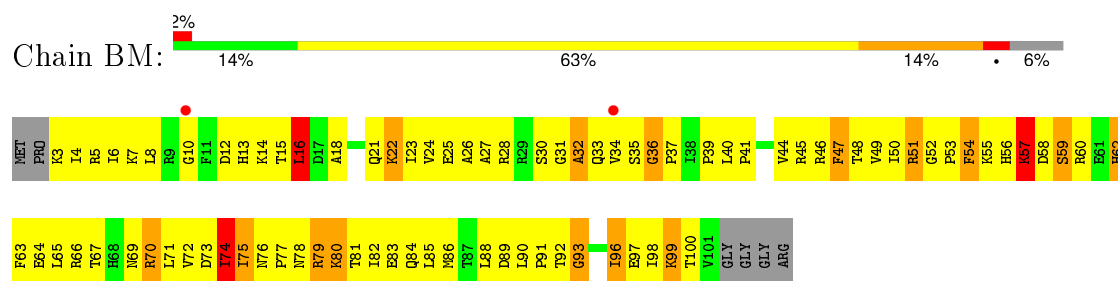
- Molecule 39: 30S ribosomal protein S9



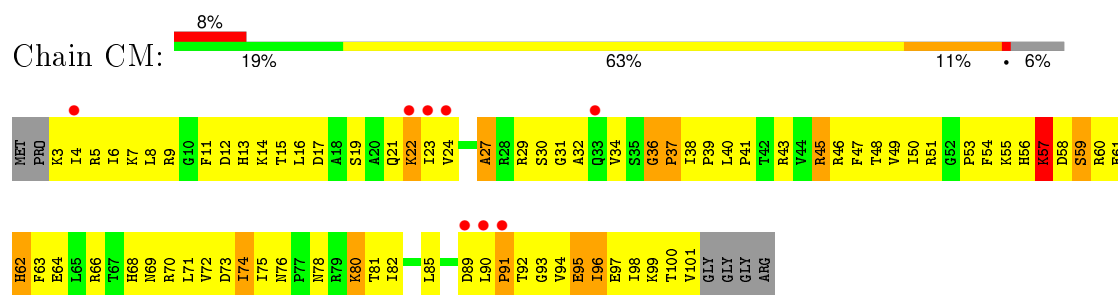
• Molecule 39: 30S ribosomal protein S9



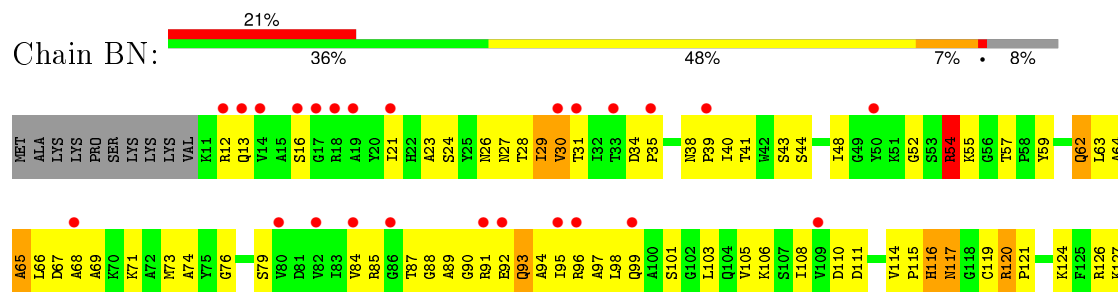
• Molecule 40: 30S ribosomal protein S10



• Molecule 40: 30S ribosomal protein S10

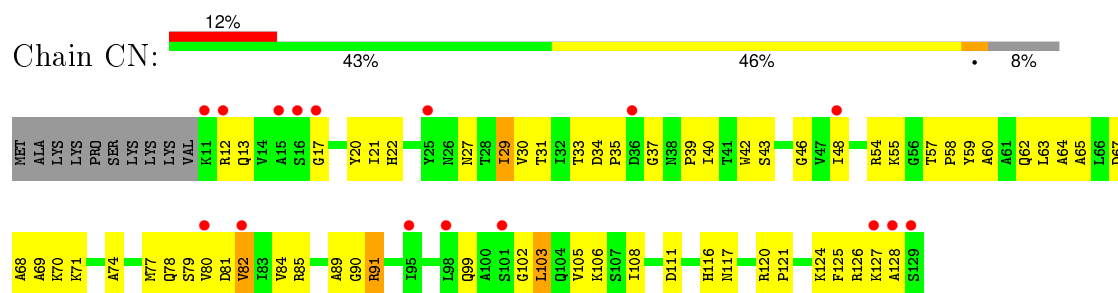


• Molecule 41: 30S ribosomal protein S11

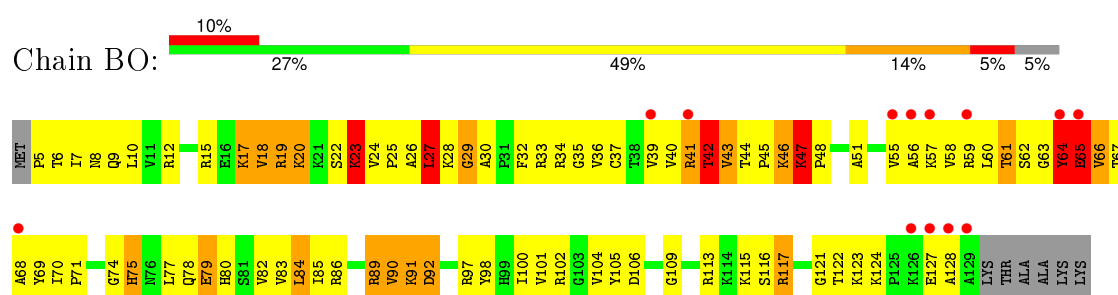




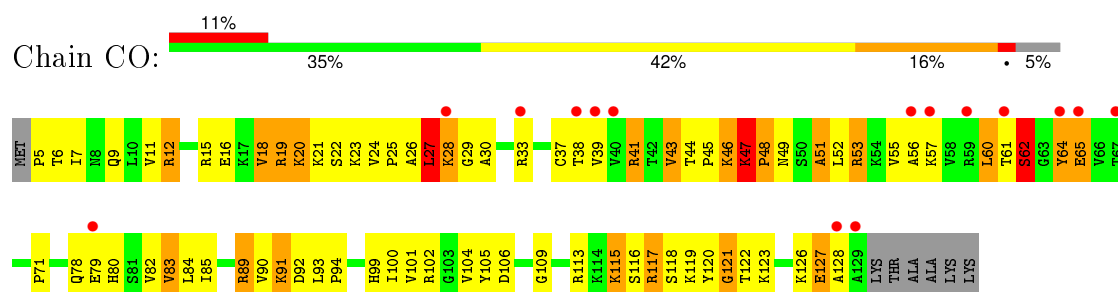
- Molecule 41: 30S ribosomal protein S11



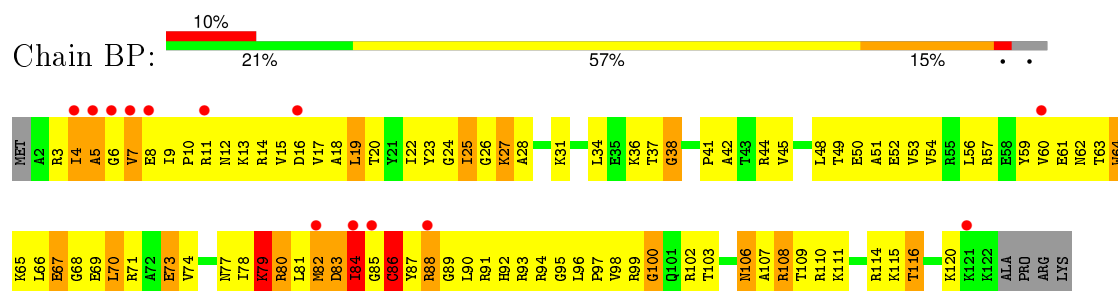
- Molecule 42: 30S ribosomal protein S12



- Molecule 42: 30S ribosomal protein S12

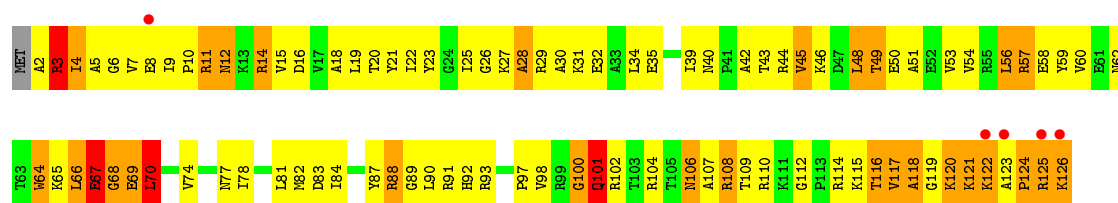


- Molecule 43: 30S ribosomal protein S13



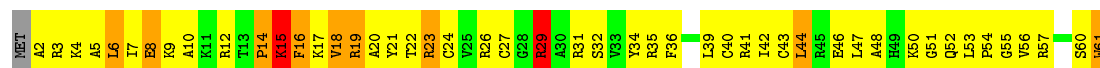
- Molecule 43: 30S ribosomal protein S13





- Molecule 44: 30S ribosomal protein S14 type Z

Chain BQ: 20% 61% 15% . .



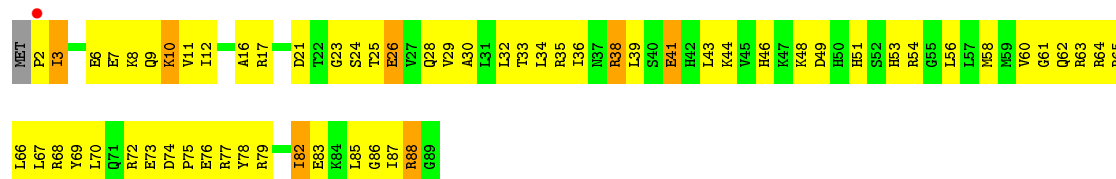
- Molecule 44: 30S ribosomal protein S14 type Z

Chain CQ: 15% 66% 13% 5% . .



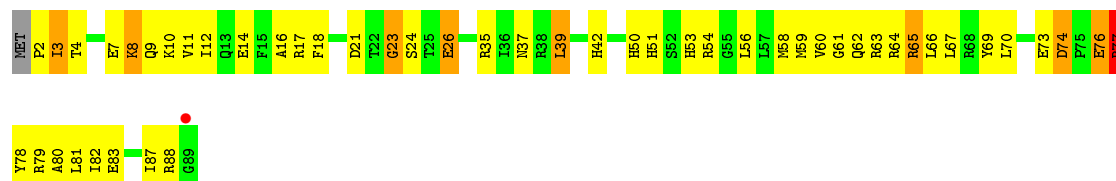
- Molecule 45: 30S ribosomal protein S15

Chain BR: 29% 62% 8% . .



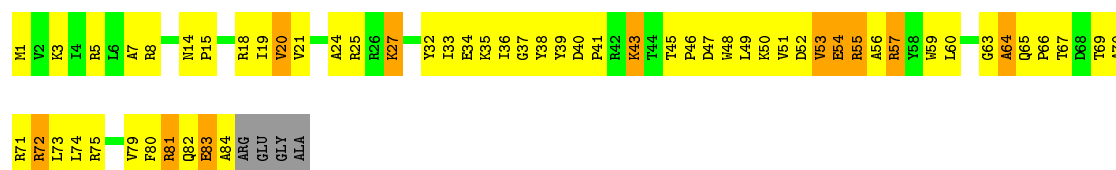
- Molecule 45: 30S ribosomal protein S15

Chain CR: 43% 46% 9% . .

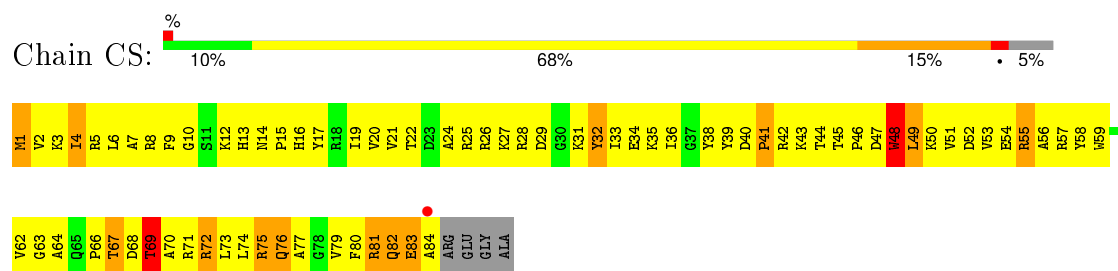


- Molecule 46: 30S ribosomal protein S16

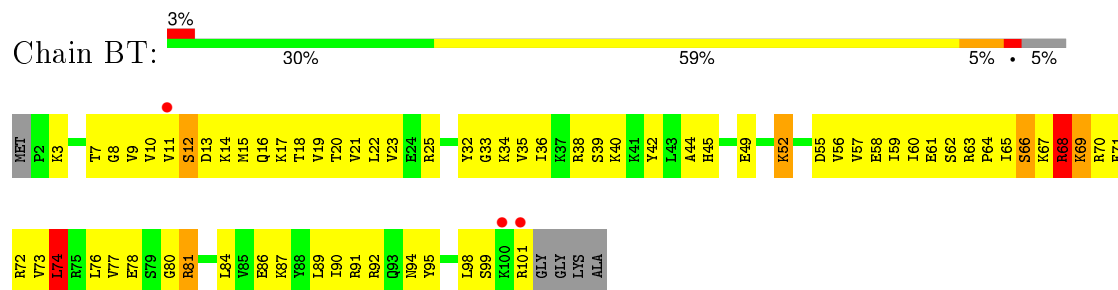
Chain BS: 30% 53% 13% 5%



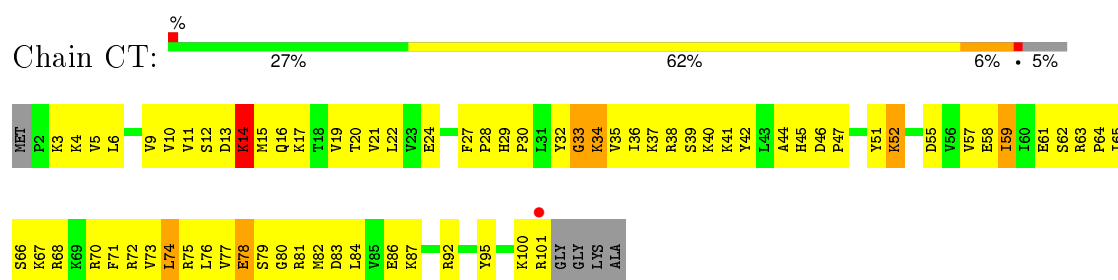
- Molecule 46: 30S ribosomal protein S16



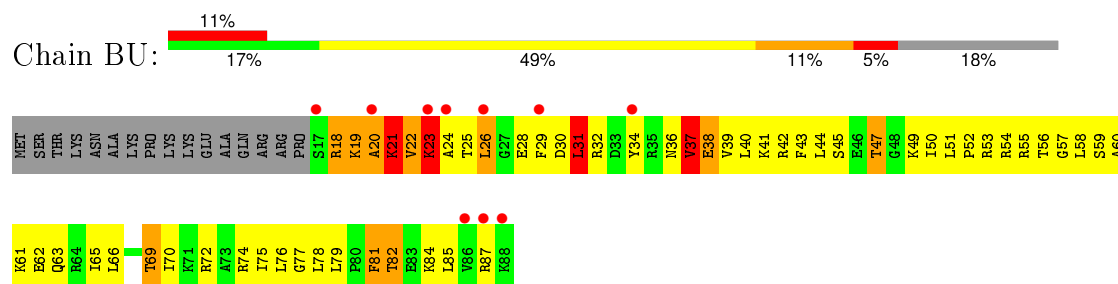
- Molecule 47: 30S ribosomal protein S17



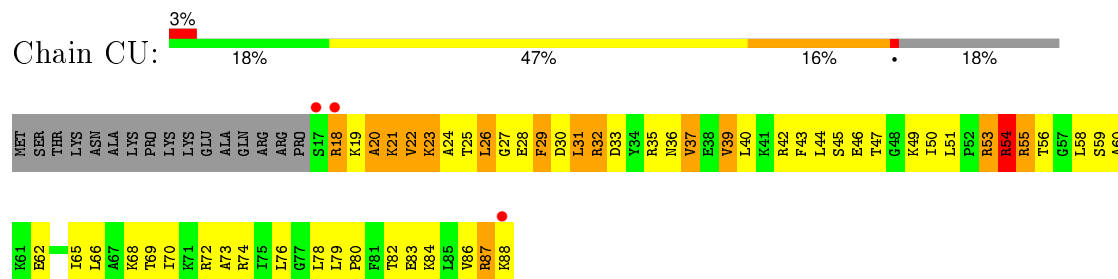
- Molecule 47: 30S ribosomal protein S17



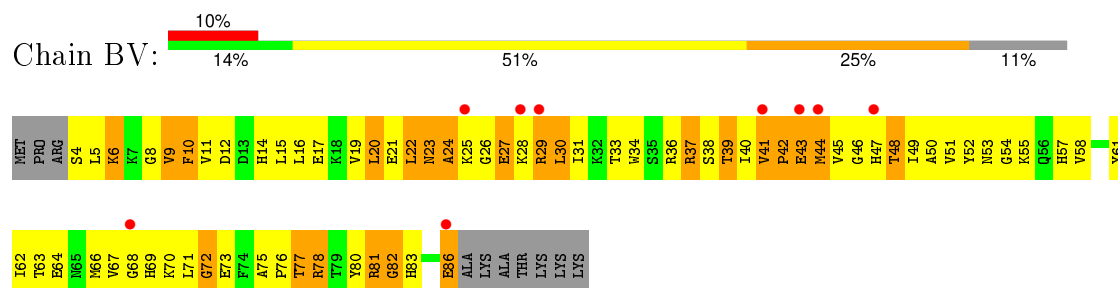
- Molecule 48: 30S ribosomal protein S18



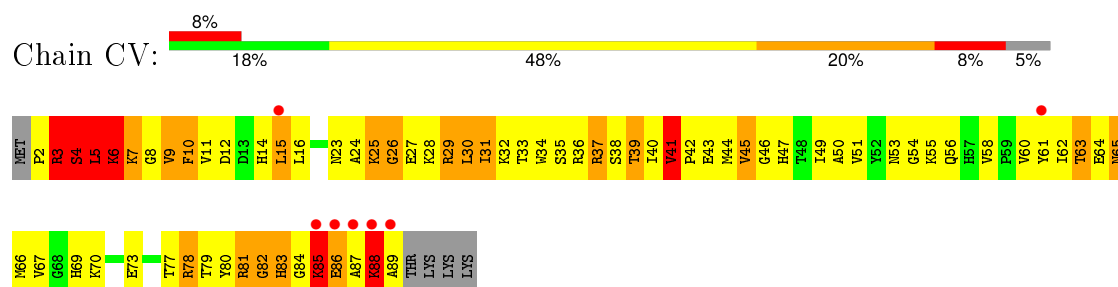
- Molecule 48: 30S ribosomal protein S18



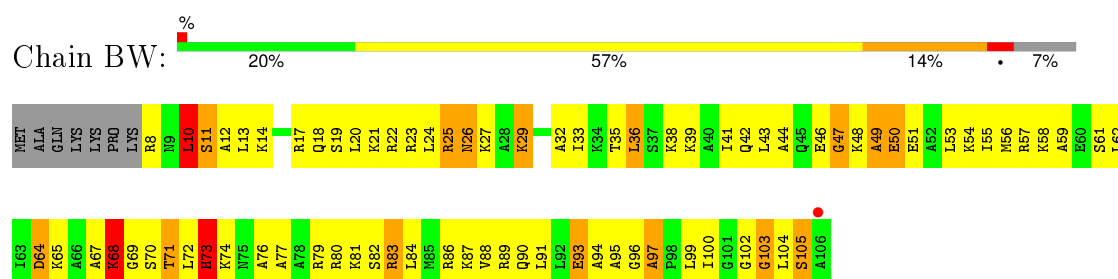
- Molecule 49: 30S ribosomal protein S19



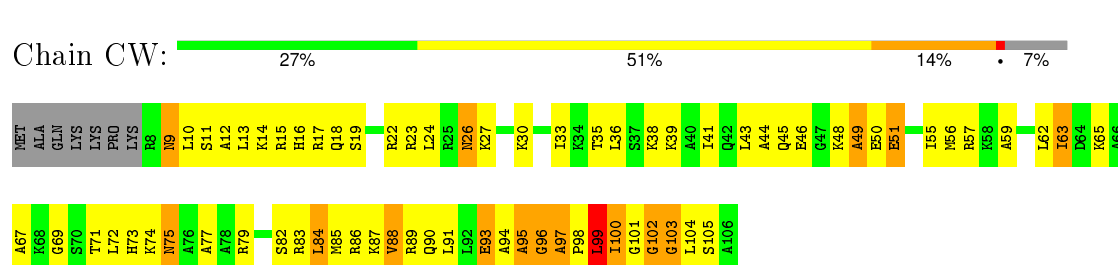
- Molecule 49: 30S ribosomal protein S19



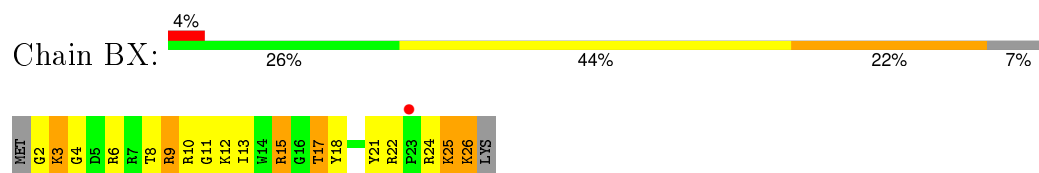
- Molecule 50: 30S ribosomal protein S20



- Molecule 50: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein Thx



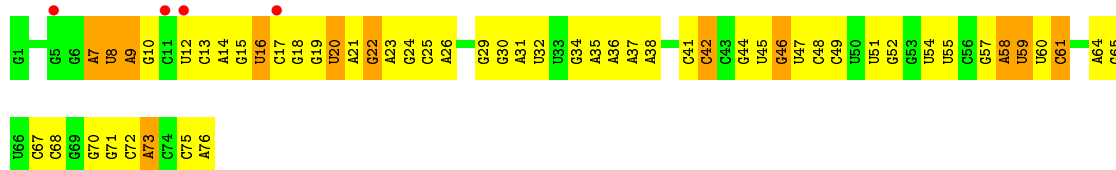
- Molecule 51: 30S ribosomal protein Thx

Chain CX: 



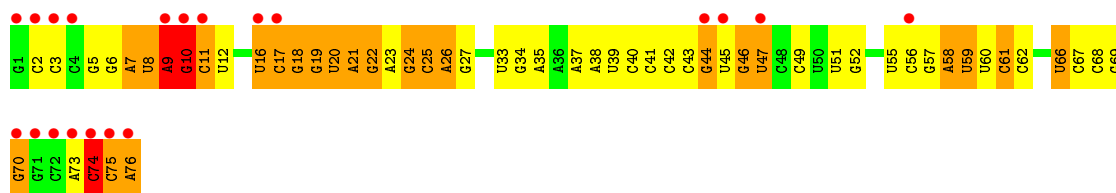
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BD: 



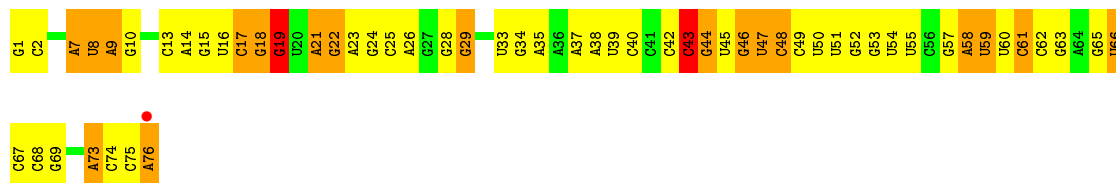
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BB: 



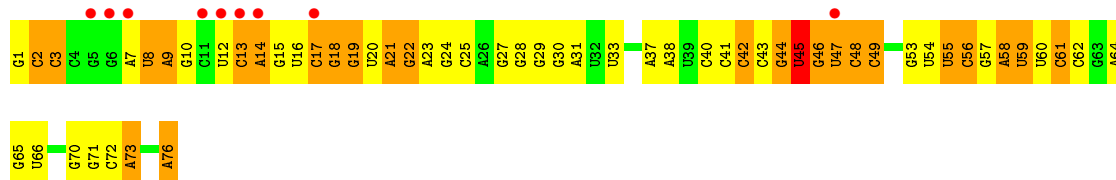
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BC: 




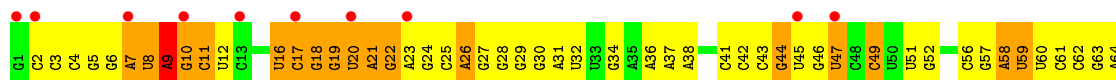
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

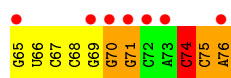
Chain CD: 



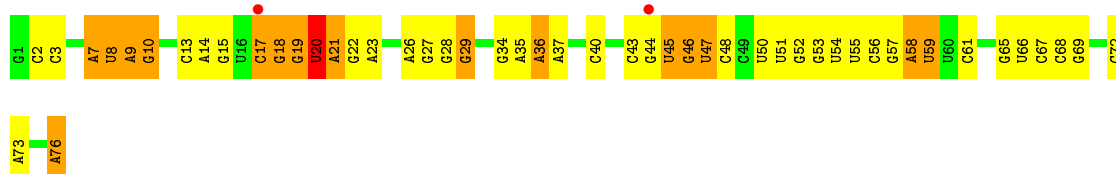
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain CB: 

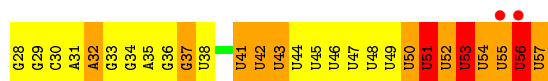




- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37



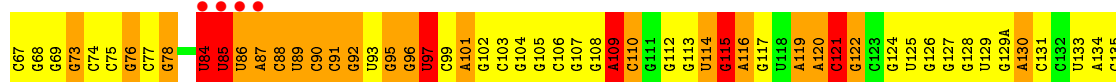
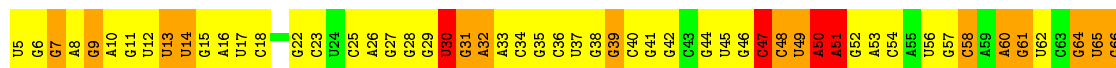
- Molecule 53: MRNA



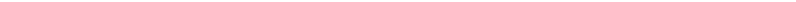
- Molecule 53: MRNA



- Molecule 54: 16S ribosomal RNA

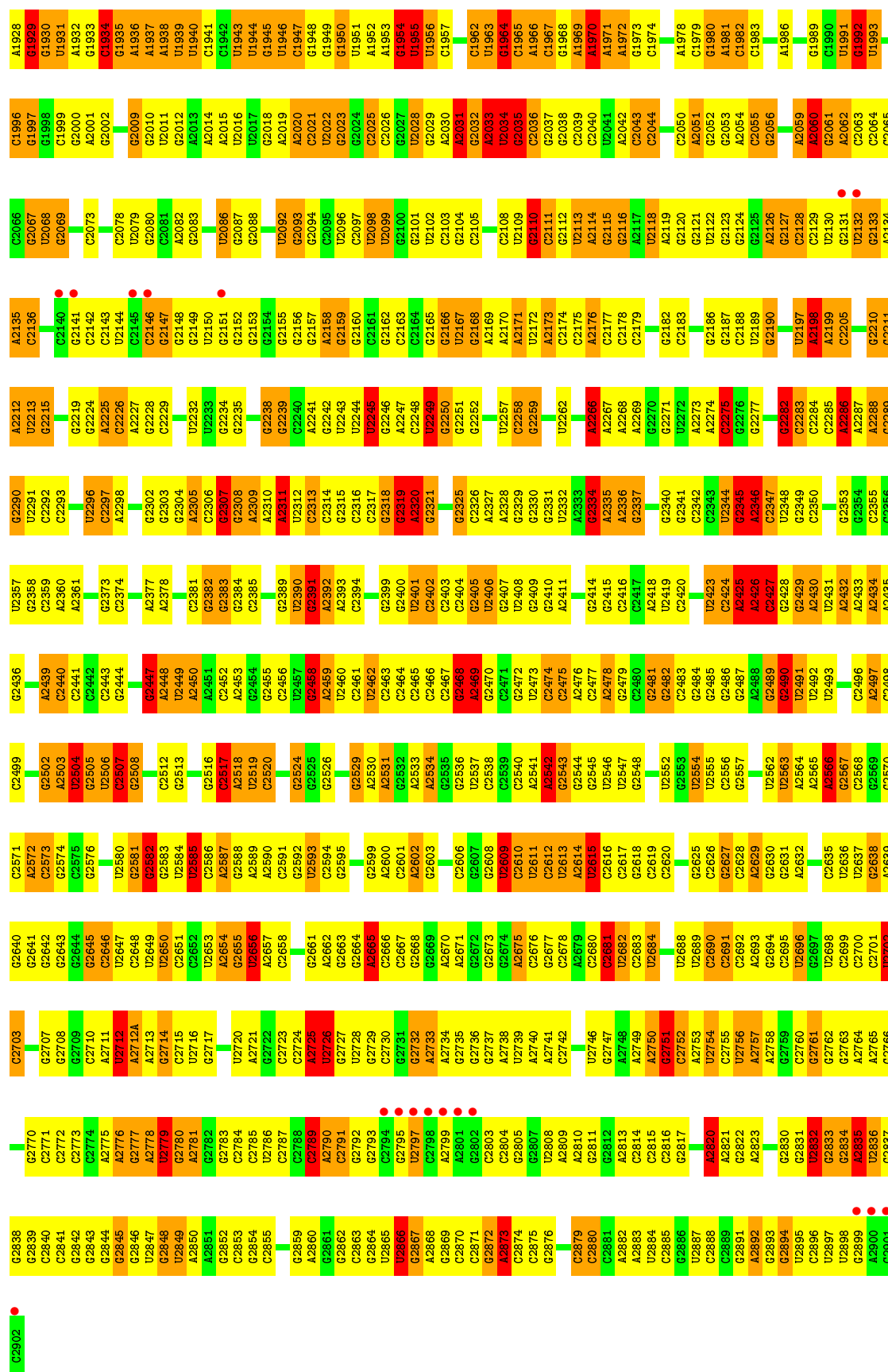


G1419	G1422	G1423	G1424	G1425	G1426	G1427	G1428	G1429	G1430	G1431	G1432	G1433	G1434	G1435	G1436	G1437	G1442	G1443	G1444	G1445	G1446	G1447	G1448	G1449	G1491	G1492	G1495	G1498	G1499	A1500	G1501	G1502																											
U1348	A1349	A1350	U1351	G1352	G1353	G1354	G1355	G1356	A1357	A1358	G1359	A1360	G1361	G1362	G1362A	A1363	U1364	G1365	G1366	G1367	G1370	G1371	U1372	G1373	A1374	G1375	G1376	A1377	G1378	G1379	U1380	U1381	G1389	U1390	U1391	G1392	U1393	A1394	G1395	A1396	G1397	A1398	G1399	G1400	G1401	G1402	G1403	G1404	G1410	G1411	G1412	G1413	G1414	G1415	A1418				
A1288	A1289	G1290	G1291	U1292	A1293	A1294	A1295	G1296	G1297	G1298	A1299	G1300	U1301	U1302	G1303	G1304	G1305	A1306	U1307	U1308	G1309	G1310	G1311	G1312	U1313	G1314	A1315	G1316	G1317	A1318	A1319	G1320	G1321	A1322	G1323	A1324	G1325	G1326	G1327	G1328	A1329	U1330	G1331	A1332	A1333	G1334	G1335	G1336	G1337	G1338	A1339	A1340	U1341	G1342	G1343	G1344	G1345	U1346	G1347
G1221	G1222	G1223	G1224	A1225	A1226	A1227	G1228	U1232	G1233	G1234	U1235	A1236	G1237	G1238	G1239	G1240	G1241	G1242	G1243	G1244	A1245	A1250	A1251	G1254	G1255	G1256	A1257	G1258	G1259	G1260	G1261	G1262	G1263	G1264	G1265	G1266	A1269	G1270	G1271	G1272	G1273	G1274	A1275	G1276	G1277	G1278	A1279	A1280	U1281	G1282	G1283	G1284	A1285	A1286	A1287				
U1150	A1151	G1152	C1153	G1154	G1155	G1156	A1157	G1158	U1159	A1160	C1161	G1162	C1163	G1164	A1170	G1171	C1172	G1173	G1174	G1175	G1176	G1177	G1178	A1179	A1180	G1181	G1182	A1183	G1188	U1189	A1191	U1194	G1195	U1196	G1197	G1198	U1199	A1200	A1201	G1202	U1205	G1206	G1207	G1210	U1211	U1212	A1213	G1214	G1215	G1216	G1217	G1218	U1219	G1220					
U1086	G1087	G1088	G1089	U1090	U1091	A1092	A1093	G1094	U1095	G1096	G1097	G1098	G1099	C1100	A1101	A1102	C1103	G1104	A1105	G1106	C1107	G1108	C1112	C1116	G1117	G1118	G1119	G1120	U1121	U1122	A1123	U1125	U1126	G1127	C1128	C1129	A1130	C1132	G1133	G1134	U1135	U1136	C1137	G1138	G1139	C1140	C1141	G1142	G1143	G1144	G1145	A1146	C1147	U1148	C1149				
G1024	U1025	G1026	C1027	C1028	C1028A	C1028B	G1029	C1030	G1031	A1032	G1032A	G1032B	G1033	G1034	A1035	G1036	C1037	G1038	C1039	U1040	A1046	G1047	G1048	U1049	G1050	C1051	U1052	G1053	C1054	U1055	U1056	G1057	G1058	C1059	C1060	G1061	U1062	C1063	U1065	U1066	A1067	G1068	C1069	U1070	C1071	G1072	U1073	G1074	C1075	U1078	G1079	A1080	G1081	G1082	U1085				
A959	U960	U961	C962	G963	A964	A965	G966	G967	A968	A969	G970	G971	C972	G973	A974	A975	G976	A977	A978	G979	C980	U981	U982	A983	A986	G987	C988	C989	C990	G991	U992	G993	A994	G998	C998A	U999	A1000	G1001	G1002	G1003	A1004	A1005	C1006	C1007	U1008	G1009	G1010	A1014	A1015	A1016	G1017	G1018	G1019	U1020	G1021	G1022	G1023		
A859	G860	U861	A862	G863	A864	A865	G866	G867	A868	A869	G870	G871	C872	G873	A874	A875	G876	G877	C878	G879	C880	U881	U882	A883	A886	G887	C888	C889	C890	G891	U892	G893	A894	G898	A898A	A1000	G1001	G1002	G1003	A1004	A1005	C1006	C1007	U1008	G1009	G1010	A1014	A1015	A1016	G1017	G1018	G1019	U1020	G1021	G1022	G1023			
A815	A816	C817	G818	G819	A820	G821	G825	C826	U827	A828	G829	G830	U831	C832	U833	C834	U835	G836	G837	G838	U841	C842	U843	C848	C849	G850	G851	G852	G853	G854	C857	G858	A859	A860	U863	A864	C865	C866	G869	U870	A871	G872	A873	G874	C877	G878	C879	G880	G881	G882	G883	U884	G885						
G742	U743	C744	U745	A746	G747	C748	C749	G750	U751	G752	A753	C754	G755	G758	A759	G760	C764	G765	A766	A767	A768	G773	G776	A777	G778	C779	A780	U781	A782	C783	C784	G785	U788	U789	A790	G791	A792	U793	A794	C795	G800	U801	A802	G803	C805	C806	A807	C808	C812	C813	A814								
G617	C618	U619	C620	A621	A622	C623	C624	G625	U626	G627	G628	G629	G630	G631	A632	G633	C634	G635	U636	G637	G638	G639	A640	U641	A642	C643	G644	C645	U646	C647	A648	U650	C652	A653	C656	G657	G658	U659	C660	C661	G662	A663	A664	A665	G666	G671	U672	G673	G674	A675	A676	U677	U678	C679					
C580	C681	G682	G683	A684	U685	U686	A687	G688	C689	G690	G691	U692	G693	A694	A695	U696	C699	G700	C701	A702	G703	A704	U705	A706	C707	G708	G709	G710	G711	A712	G713	G714	A715	C717	G718	C719	C720	G721	U722	A723	G724	G725	C726	G727	A728	A729	G730	C731	C732	C736	A811	G812	C738	C739	U740	G741			
G481	A482	G483	G484	U485	U486	A487	C488	G489	G490	G493	A495	U496	A497	A498	G500	C501	G502	C503	C504	G505	G506	C507	C508	A509	A510	C511	U512	G517	C518	C519	G522	A523	C525	G526	G527	C528	G529	A452	G530	U531	A532	A533	U534	A535	C536	G537	G538	A539	G540	G541	G542	C543	G544	C545	G546				

Chain DA: 









## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	209.46Å 446.20Å 623.05Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	300.00 – 3.10 223.10 – 3.00	Depositor EDS
% Data completeness (in resolution range)	96.5 (300.00-3.10) 99.8 (223.10-3.00)	Depositor EDS
$R_{merge}$	0.19	Depositor
$R_{sym}$	0.27	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.72 (at 3.01Å)	Xtriage
Refinement program	CNS	Depositor
R, $R_{free}$	0.215 , 0.255 0.221 , 0.260	Depositor DCC
$R_{free}$ test set	31126 reflections (3.08%)	DCC
Wilson B-factor (Å <sup>2</sup> )	61.5	Xtriage
Anisotropy	0.212	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.27 , 75.7	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.43$ , $\langle L^2 \rangle = 0.25$	Xtriage
Outliers	0 of 1148206 reflections	Xtriage
$F_o, F_c$ correlation	0.93	EDS
Total number of atoms	307345	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	77.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.45% of the height of the origin peak. No significant pseudotranslation is detected.*

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

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

## 5 Model quality ⓘ

### 5.1 Standard geometry ⓘ

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

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z  > 5$	RMSZ	# $ Z  > 5$
1	AA	0.55	6/70167 (0.0%)	0.87	170/109541 (0.2%)
2	AB	0.42	1/2928 (0.0%)	0.80	0/4568
2	DB	0.58	3/2928 (0.1%)	0.85	5/4568 (0.1%)
3	AD	0.45	0/2165	0.80	1/2919 (0.0%)
3	DD	0.54	0/2165	0.87	1/2919 (0.0%)
4	AE	0.39	0/1601	0.77	1/2160 (0.0%)
4	DE	0.50	0/1601	0.89	3/2160 (0.1%)
5	AF	0.39	0/1662	0.74	1/2249 (0.0%)
5	DF	0.50	0/1620	0.76	0/2194
6	AG	0.31	0/1499	0.58	0/2016
6	DG	0.38	0/1499	0.66	0/2016
7	AH	0.28	0/1332	0.62	0/1802
7	DH	0.41	0/1332	0.89	2/1802 (0.1%)
8	AK	0.33	0/1151	0.74	0/1558
8	DK	0.35	0/1151	0.74	1/1558 (0.1%)
9	AM	0.34	0/1131	0.66	0/1525
9	DM	0.46	0/1131	0.81	1/1525 (0.1%)
10	AN	0.40	0/943	0.67	0/1269
10	DN	0.49	0/943	0.75	0/1269
11	AO	0.39	0/1162	0.80	2/1544 (0.1%)
11	DO	0.51	0/1162	0.95	3/1544 (0.2%)
12	AP	0.39	0/1143	0.72	0/1527
12	DP	0.53	0/1143	0.80	1/1527 (0.1%)
13	A0	0.38	0/974	0.67	0/1302
13	D0	0.45	0/982	0.79	1/1312 (0.1%)
14	AQ	0.34	0/892	0.70	0/1187
14	DQ	0.41	0/892	0.84	1/1187 (0.1%)
15	AR	0.38	0/1155	0.68	0/1542
15	DR	0.44	0/1155	0.75	1/1542 (0.1%)
16	A1	0.38	0/982	0.67	0/1306
16	D1	0.49	0/982	0.75	0/1306
17	A2	0.38	0/790	0.75	0/1057

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
17	D2	0.45	0/790	0.80	0/1057
18	AS	0.42	0/911	0.70	0/1220
18	DS	0.45	0/911	0.73	0/1220
19	AT	0.49	0/739	0.73	0/993
19	DT	0.52	0/739	0.79	0/993
20	AU	0.44	0/798	0.78	1/1064 (0.1%)
20	DU	0.45	0/798	0.77	0/1064
21	AV	0.35	0/1521	0.74	3/2064 (0.1%)
21	DV	0.59	4/1615 (0.2%)	0.93	7/2191 (0.3%)
22	A3	0.41	0/671	0.74	0/892
22	D3	0.46	0/671	0.76	0/892
23	AZ	0.40	0/770	0.79	1/1022 (0.1%)
23	DZ	0.45	0/770	0.76	0/1022
24	AW	0.43	0/583	0.73	0/771
24	DW	0.49	0/583	0.78	0/771
25	AX	0.31	0/474	0.67	0/635
25	DX	0.39	0/474	0.71	0/635
26	A4	0.43	1/594 (0.2%)	0.82	1/795 (0.1%)
26	D4	0.43	0/594	1.03	6/795 (0.8%)
27	A5	0.38	0/473	0.68	0/639
27	D5	0.48	0/473	0.75	0/639
28	A6	0.37	0/396	0.87	0/529
28	D6	0.37	0/396	0.88	0/529
29	A7	0.45	0/438	0.71	0/575
29	D7	0.52	0/438	0.79	0/575
30	A8	0.51	0/525	0.97	1/691 (0.1%)
30	D8	0.61	0/525	0.95	0/691
31	BA	0.45	2/36457 (0.0%)	0.80	41/56899 (0.1%)
32	BE	0.31	0/1959	0.59	0/2642
32	CE	0.32	0/1959	0.61	0/2642
33	BF	0.31	0/1636	0.57	0/2205
33	CF	0.35	0/1629	0.59	0/2195
34	BG	0.39	0/1733	0.74	5/2318 (0.2%)
34	CG	0.40	0/1733	0.69	3/2318 (0.1%)
35	BH	0.35	0/1171	0.66	0/1576
35	CH	0.39	0/1171	0.67	0/1576
36	BI	0.39	0/856	0.65	0/1154
36	CI	0.39	0/856	0.66	0/1154
37	BJ	0.32	0/1276	0.57	0/1709
37	CJ	0.34	0/1276	0.57	0/1709
38	BK	0.31	0/1136	0.61	0/1527
38	CK	0.36	0/1136	0.65	0/1527
39	BL	0.32	0/1029	0.59	0/1379

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
39	CL	0.33	0/1029	0.63	0/1379
40	BM	0.31	0/814	0.61	0/1095
40	CM	0.34	0/814	0.61	0/1095
41	BN	0.35	0/900	0.61	0/1213
41	CN	0.38	0/900	0.63	0/1213
42	BO	0.38	0/991	0.67	0/1327
42	CO	0.44	0/991	0.84	1/1327 (0.1%)
43	BP	0.32	0/974	0.66	1/1303 (0.1%)
43	CP	0.40	0/1008	0.74	0/1347
44	BQ	0.34	0/501	0.59	0/664
44	CQ	0.40	0/501	0.69	1/664 (0.2%)
45	BR	0.35	0/745	0.56	0/992
45	CR	0.39	0/745	0.63	0/992
46	BS	0.37	0/721	0.61	0/970
46	CS	0.35	0/721	0.66	0/970
47	BT	0.35	0/847	0.62	0/1131
47	CT	0.36	0/847	0.60	0/1131
48	BU	0.42	0/596	0.75	1/790 (0.1%)
48	CU	0.38	0/596	0.69	0/790
49	BV	0.35	0/679	0.67	0/913
49	CV	0.50	0/717	0.97	3/963 (0.3%)
50	BW	0.32	0/765	0.62	0/1007
50	CW	0.31	0/765	0.64	0/1007
51	BX	0.33	0/221	0.58	0/288
51	CX	0.38	0/221	0.51	0/288
52	BB	0.35	0/1783	0.77	4/2776 (0.1%)
52	BC	0.43	0/1783	0.78	1/2776 (0.0%)
52	BD	0.31	0/1783	0.74	0/2776
52	CB	0.41	0/1783	1.00	6/2776 (0.2%)
52	CC	0.58	0/1783	0.93	3/2776 (0.1%)
52	CD	0.38	0/1783	0.83	3/2776 (0.1%)
53	B1	0.47	0/689	0.94	3/1069 (0.3%)
53	C1	0.48	0/689	0.91	2/1069 (0.2%)
54	CA	0.50	1/36435 (0.0%)	0.82	58/56865 (0.1%)
55	DA	0.70	12/70233 (0.0%)	0.96	262/109643 (0.2%)
56	DI	1.11	2/236 (0.8%)	1.41	4/315 (1.3%)
56	DJ	1.82	5/236 (2.1%)	1.78	9/315 (2.9%)
57	DY	0.98	5/1123 (0.4%)	1.55	24/1520 (1.6%)
58	DL	0.72	1/1091 (0.1%)	1.34	16/1479 (1.1%)
All	All	0.53	43/328085 (0.0%)	0.85	666/490785 (0.1%)

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
1	AA	0	109
2	AB	0	4
2	DB	0	4
3	AD	0	2
31	BA	0	34
52	BB	0	1
52	BC	0	3
52	BD	0	1
52	CB	0	1
52	CD	0	2
53	B1	0	4
53	C1	0	3
54	CA	0	57
55	DA	0	170
All	All	0	395

The worst 5 of 43 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BA	889	A	O3'-P	-25.82	1.30	1.61
56	DJ	17	VAL	CB-CG2	-16.90	1.17	1.52
57	DY	80	VAL	CB-CG1	-13.58	1.24	1.52
56	DJ	17	VAL	CA-CB	-9.21	1.35	1.54
57	DY	139	VAL	CB-CG2	-8.82	1.34	1.52

The worst 5 of 666 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BA	889	A	P-O3'-C3'	-30.02	83.67	119.70
52	CB	74	C	C1'-O4'-C4'	-20.78	93.28	109.90
31	BA	889	A	O3'-P-O5'	-20.67	64.72	104.00
1	AA	4	C	OP1-P-O3'	-19.04	63.31	105.20
52	CB	74	C	O4'-C1'-N1	18.78	123.23	108.20

There are no chirality outliers.

5 of 395 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	AA	33	U	Sidechain
1	AA	50	U	Sidechain

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Group
1	AA	70	G	Sidechain
1	AA	72	U	Sidechain
1	AA	74	A	Sidechain

## 5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	AA	62647	0	31576	3580	1
2	AB	2617	0	1328	187	0
2	DB	2617	0	1328	116	0
3	AD	2115	0	2195	312	0
3	DD	2115	0	2195	370	0
4	AE	1568	0	1634	355	0
4	DE	1568	0	1634	274	0
5	AF	1627	0	1679	258	0
5	DF	1585	0	1631	192	0
6	AG	1474	0	1535	252	0
6	DG	1474	0	1535	277	0
7	AH	1307	0	1382	233	0
7	DH	1307	0	1382	255	0
8	AK	1136	0	1223	199	0
8	DK	1136	0	1221	222	0
9	AM	1104	0	1180	164	0
9	DM	1104	0	1180	178	0
10	AN	933	0	996	107	0
10	DN	933	0	996	114	0
11	AO	1145	0	1228	255	0
11	DO	1145	0	1227	265	0
12	AP	1122	0	1179	242	0
12	DP	1122	0	1179	180	0
13	A0	960	0	1021	133	0
13	D0	968	0	1033	146	0
14	AQ	882	0	943	142	0
14	DQ	882	0	943	144	0
15	AR	1141	0	1202	171	0
15	DR	1141	0	1202	183	0
16	A1	964	0	1022	169	1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	D1	964	0	1022	144	0
17	A2	779	0	852	210	0
17	D2	779	0	852	148	0
18	AS	900	0	964	97	0
18	DS	900	0	963	89	0
19	AT	725	0	778	92	0
19	DT	725	0	778	78	0
20	AU	785	0	878	217	0
20	DU	785	0	878	171	0
21	AV	1489	0	1515	418	0
21	DV	1582	0	1613	447	0
22	A3	662	0	688	103	0
22	D3	662	0	688	87	0
23	AZ	763	0	848	107	0
23	DZ	763	0	848	92	0
24	AW	581	0	629	125	0
24	DW	581	0	629	76	0
25	AX	469	0	518	62	0
25	DX	469	0	518	46	0
26	A4	581	0	573	181	0
26	D4	581	0	573	174	0
27	A5	459	0	480	62	0
27	D5	459	0	480	81	0
28	A6	389	0	404	119	0
28	D6	389	0	404	126	0
29	A7	430	0	480	49	0
29	D7	430	0	480	35	0
30	A8	517	0	582	153	0
30	D8	517	0	582	103	0
31	BA	32571	0	16441	1934	1
32	BE	1924	0	1975	295	0
32	CE	1924	0	1975	286	0
33	BF	1612	0	1677	257	0
33	CF	1605	0	1668	217	0
34	BG	1703	0	1763	257	0
34	CG	1703	0	1763	235	0
35	BH	1155	0	1212	133	0
35	CH	1155	0	1213	151	0
36	BI	843	0	857	96	0
36	CI	843	0	857	101	0
37	BJ	1257	0	1296	139	0
37	CJ	1257	0	1296	138	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
38	BK	1116	0	1177	121	0
38	CK	1116	0	1177	164	0
39	BL	1010	0	1037	187	0
39	CL	1010	0	1037	152	0
40	BM	801	0	849	165	0
40	CM	801	0	849	149	0
41	BN	885	0	904	73	0
41	CN	885	0	904	76	0
42	BO	975	0	1062	140	0
42	CO	975	0	1062	138	0
43	BP	964	0	1034	181	0
43	CP	997	0	1072	192	0
44	BQ	492	0	529	84	0
44	CQ	492	0	529	82	0
45	BR	734	0	771	72	0
45	CR	734	0	771	75	0
46	BS	705	0	725	80	0
46	CS	705	0	725	131	0
47	BT	834	0	904	73	0
47	CT	834	0	904	92	0
48	BU	591	0	662	94	0
48	CU	591	0	662	100	0
49	BV	665	0	684	174	0
49	CV	702	0	728	156	0
50	BW	763	0	861	119	0
50	CW	763	0	861	113	0
51	BX	217	0	234	37	0
51	CX	217	0	234	23	0
52	BB	1626	0	832	96	0
52	BC	1626	0	833	86	0
52	BD	1626	0	833	90	0
52	CB	1626	0	832	97	0
52	CC	1626	0	832	63	0
52	CD	1626	0	832	118	0
53	B1	621	0	312	68	0
53	C1	621	0	312	76	0
54	CA	32551	0	16431	1893	0
55	DA	62707	0	31590	3339	1
56	DI	237	0	257	165	0
56	DJ	237	0	256	208	0
57	DY	1107	0	1166	947	0
58	DL	1071	0	1113	696	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	A0	1	0	0	0	0
59	A1	5	0	0	0	0
59	A2	1	0	0	0	0
59	A3	4	0	0	0	0
59	A5	3	0	0	0	0
59	A6	2	0	0	0	0
59	A7	4	0	0	0	0
59	A8	4	0	0	0	0
59	AA	1166	0	0	0	0
59	AB	36	0	0	0	0
59	AD	13	0	0	0	0
59	AE	4	0	0	0	0
59	AF	7	0	0	0	0
59	AG	3	0	0	0	0
59	AH	1	0	0	0	0
59	AK	3	0	0	0	0
59	AN	1	0	0	0	0
59	AO	7	0	0	0	0
59	AP	1	0	0	0	0
59	AQ	5	0	0	0	0
59	AR	5	0	0	0	0
59	AS	3	0	0	0	0
59	AT	4	0	0	0	0
59	AU	6	0	0	0	0
59	AV	1	0	0	0	0
59	AW	2	0	0	0	0
59	AZ	3	0	0	0	0
59	B1	4	0	0	0	0
59	BA	676	0	0	0	0
59	BB	13	0	0	0	0
59	BC	16	0	0	0	0
59	BD	26	0	0	0	0
59	BE	5	0	0	0	0
59	BF	2	0	0	0	0
59	BG	7	0	0	0	0
59	BH	5	0	0	0	0
59	BI	1	0	0	0	0
59	BK	6	0	0	0	0
59	BL	2	0	0	0	0
59	BM	3	0	0	0	0
59	BO	1	0	0	0	0
59	BP	2	0	0	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	BQ	3	0	0	0	0
59	BS	9	0	0	0	0
59	BT	2	0	0	0	0
59	BU	1	0	0	0	0
59	BV	1	0	0	0	0
59	BW	8	0	0	0	0
59	BX	1	0	0	0	0
59	C1	6	0	0	0	0
59	CA	724	0	0	1	0
59	CB	21	0	0	0	0
59	CC	27	0	0	0	0
59	CD	30	0	0	0	0
59	CE	6	0	0	0	0
59	CF	3	0	0	0	0
59	CG	11	0	0	0	0
59	CH	6	0	0	0	0
59	CI	1	0	0	0	0
59	CJ	1	0	0	0	0
59	CK	11	0	0	0	0
59	CL	1	0	0	0	0
59	CM	3	0	0	0	0
59	CN	2	0	0	0	0
59	CP	3	0	0	0	0
59	CQ	3	0	0	0	0
59	CR	3	0	0	0	0
59	CS	6	0	0	0	0
59	CT	3	0	0	0	0
59	CV	4	0	0	0	0
59	CW	1	0	0	0	0
59	D0	11	0	0	0	0
59	D1	12	0	0	0	0
59	D2	10	0	0	0	0
59	D3	7	0	0	0	0
59	D4	2	0	0	0	0
59	D5	8	0	0	0	0
59	D6	3	0	0	0	0
59	D7	5	0	0	0	0
59	D8	9	0	0	0	0
59	DA	2077	0	0	0	0
59	DB	76	0	0	0	0
59	DD	14	0	0	0	0
59	DE	15	0	0	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
59	DF	25	0	0	0	0
59	DG	5	0	0	0	0
59	DH	5	0	0	0	0
59	DK	2	0	0	0	0
59	DL	1	0	0	0	0
59	DM	6	0	0	0	0
59	DN	2	0	0	0	0
59	DO	18	0	0	0	0
59	DP	4	0	0	0	0
59	DQ	2	0	0	0	0
59	DR	4	0	0	1	0
59	DS	8	0	0	0	0
59	DT	7	0	0	0	0
59	DU	19	0	0	0	0
59	DV	5	0	0	0	0
59	DW	7	0	0	0	0
59	DX	2	0	0	0	0
59	DY	4	0	0	0	0
59	DZ	5	0	0	0	0
60	A4	1	0	0	0	0
60	BG	1	0	0	0	0
60	BQ	1	0	0	0	0
60	CG	1	0	0	0	0
60	CQ	1	0	0	0	0
60	D4	1	0	0	0	0
61	B1	3	0	0	0	0
61	BA	3	0	0	0	0
All	All	307345	0	204878	26274	2

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 52.

The worst 5 of 26274 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:AA:2820:A:C8	4:AE:109:LYS:HE3	1.23	1.64
58:DL:7:VAL:HG12	58:DL:57:ILE:CD1	1.29	1.63
57:DY:71:LEU:CB	57:DY:113:GLN:HB3	1.32	1.60
21:AV:175:VAL:HG12	21:AV:177:PRO:CD	1.26	1.56
58:DL:7:VAL:CG1	58:DL:57:ILE:HD12	1.21	1.55

All (2) 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)
1:AA:363:G:O6	31:BA:86:U:OP1[3_555]	2.10	0.10
16:A1:84:LYS:NZ	55:DA:654(I):C:O2'[2_465]	2.12	0.08

## 5.3 Torsion angles ⓘ

### 5.3.1 Protein backbone ⓘ

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	AD	270/276 (98%)	201 (74%)	45 (17%)	24 (9%)	1	5
3	DD	270/276 (98%)	193 (72%)	61 (23%)	16 (6%)	2	12
4	AE	203/206 (98%)	105 (52%)	48 (24%)	50 (25%)	0	0
4	DE	203/206 (98%)	120 (59%)	36 (18%)	47 (23%)	0	0
5	AF	206/210 (98%)	136 (66%)	41 (20%)	29 (14%)	0	1
5	DF	200/210 (95%)	157 (78%)	29 (14%)	14 (7%)	1	8
6	AG	179/182 (98%)	127 (71%)	36 (20%)	16 (9%)	1	5
6	DG	179/182 (98%)	124 (69%)	30 (17%)	25 (14%)	0	1
7	AH	168/180 (93%)	80 (48%)	51 (30%)	37 (22%)	0	0
7	DH	168/180 (93%)	94 (56%)	43 (26%)	31 (18%)	0	0
8	AK	144/148 (97%)	83 (58%)	34 (24%)	27 (19%)	0	0
8	DK	144/148 (97%)	76 (53%)	41 (28%)	27 (19%)	0	0
9	AM	136/140 (97%)	95 (70%)	25 (18%)	16 (12%)	0	2
9	DM	136/140 (97%)	106 (78%)	16 (12%)	14 (10%)	1	4
10	AN	120/122 (98%)	98 (82%)	17 (14%)	5 (4%)	3	19
10	DN	120/122 (98%)	104 (87%)	12 (10%)	4 (3%)	5	26
11	AO	148/150 (99%)	73 (49%)	30 (20%)	45 (30%)	0	0
11	DO	148/150 (99%)	88 (60%)	27 (18%)	33 (22%)	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
12	AP	139/141 (99%)	73 (52%)	39 (28%)	27 (19%)	0	0
12	DP	139/141 (99%)	91 (66%)	28 (20%)	20 (14%)	0	1
13	A0	115/118 (98%)	84 (73%)	20 (17%)	11 (10%)	1	4
13	D0	116/118 (98%)	87 (75%)	17 (15%)	12 (10%)	1	4
14	AQ	109/112 (97%)	68 (62%)	21 (19%)	20 (18%)	0	0
14	DQ	109/112 (97%)	70 (64%)	21 (19%)	18 (16%)	0	0
15	AR	135/146 (92%)	98 (73%)	25 (18%)	12 (9%)	1	5
15	DR	135/146 (92%)	92 (68%)	27 (20%)	16 (12%)	0	2
16	A1	115/118 (98%)	79 (69%)	27 (24%)	9 (8%)	1	6
16	D1	115/118 (98%)	96 (84%)	11 (10%)	8 (7%)	1	8
17	A2	99/101 (98%)	60 (61%)	17 (17%)	22 (22%)	0	0
17	D2	99/101 (98%)	80 (81%)	9 (9%)	10 (10%)	1	4
18	AS	111/113 (98%)	82 (74%)	21 (19%)	8 (7%)	1	7
18	DS	111/113 (98%)	87 (78%)	20 (18%)	4 (4%)	4	24
19	AT	90/96 (94%)	66 (73%)	17 (19%)	7 (8%)	1	6
19	DT	90/96 (94%)	75 (83%)	13 (14%)	2 (2%)	8	36
20	AU	100/110 (91%)	48 (48%)	22 (22%)	30 (30%)	0	0
20	DU	100/110 (91%)	64 (64%)	11 (11%)	25 (25%)	0	0
21	AV	185/206 (90%)	90 (49%)	45 (24%)	50 (27%)	0	0
21	DV	198/206 (96%)	102 (52%)	46 (23%)	50 (25%)	0	0
22	A3	82/85 (96%)	56 (68%)	16 (20%)	10 (12%)	0	2
22	D3	82/85 (96%)	62 (76%)	14 (17%)	6 (7%)	1	7
23	AZ	95/98 (97%)	73 (77%)	10 (10%)	12 (13%)	0	1
23	DZ	95/98 (97%)	74 (78%)	13 (14%)	8 (8%)	1	6
24	AW	67/72 (93%)	42 (63%)	17 (25%)	8 (12%)	0	2
24	DW	67/72 (93%)	52 (78%)	8 (12%)	7 (10%)	1	3
25	AX	57/60 (95%)	46 (81%)	6 (10%)	5 (9%)	1	5
25	DX	57/60 (95%)	49 (86%)	5 (9%)	3 (5%)	2	14
26	A4	69/71 (97%)	26 (38%)	14 (20%)	29 (42%)	0	0
26	D4	69/71 (97%)	35 (51%)	12 (17%)	22 (32%)	0	0
27	A5	57/60 (95%)	40 (70%)	9 (16%)	8 (14%)	0	1

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
27	D5	57/60 (95%)	35 (61%)	9 (16%)	13 (23%)	0	0
28	A6	43/54 (80%)	15 (35%)	12 (28%)	16 (37%)	0	0
28	D6	43/54 (80%)	19 (44%)	9 (21%)	15 (35%)	0	0
29	A7	47/49 (96%)	41 (87%)	6 (13%)	0	100	100
29	D7	47/49 (96%)	40 (85%)	5 (11%)	2 (4%)	3	19
30	A8	62/65 (95%)	37 (60%)	11 (18%)	14 (23%)	0	0
30	D8	62/65 (95%)	43 (69%)	9 (14%)	10 (16%)	0	0
32	BE	235/256 (92%)	137 (58%)	62 (26%)	36 (15%)	0	0
32	CE	235/256 (92%)	140 (60%)	58 (25%)	37 (16%)	0	0
33	BF	204/239 (85%)	135 (66%)	40 (20%)	29 (14%)	0	1
33	CF	203/239 (85%)	137 (68%)	49 (24%)	17 (8%)	1	6
34	BG	206/209 (99%)	134 (65%)	43 (21%)	29 (14%)	0	1
34	CG	206/209 (99%)	124 (60%)	59 (29%)	23 (11%)	0	3
35	BH	149/162 (92%)	115 (77%)	22 (15%)	12 (8%)	1	6
35	CH	149/162 (92%)	115 (77%)	26 (17%)	8 (5%)	2	14
36	BI	99/101 (98%)	79 (80%)	15 (15%)	5 (5%)	2	15
36	CI	99/101 (98%)	66 (67%)	26 (26%)	7 (7%)	1	8
37	BJ	153/156 (98%)	115 (75%)	26 (17%)	12 (8%)	1	6
37	CJ	153/156 (98%)	120 (78%)	26 (17%)	7 (5%)	3	17
38	BK	136/138 (99%)	104 (76%)	21 (15%)	11 (8%)	1	6
38	CK	136/138 (99%)	101 (74%)	30 (22%)	5 (4%)	4	23
39	BL	125/128 (98%)	89 (71%)	28 (22%)	8 (6%)	2	10
39	CL	125/128 (98%)	93 (74%)	19 (15%)	13 (10%)	1	3
40	BM	97/105 (92%)	61 (63%)	24 (25%)	12 (12%)	0	1
40	CM	97/105 (92%)	71 (73%)	19 (20%)	7 (7%)	1	7
41	BN	117/129 (91%)	87 (74%)	21 (18%)	9 (8%)	1	6
41	CN	117/129 (91%)	90 (77%)	24 (20%)	3 (3%)	7	32
42	BO	123/132 (93%)	81 (66%)	19 (15%)	23 (19%)	0	0
42	CO	123/132 (93%)	85 (69%)	17 (14%)	21 (17%)	0	0
43	BP	119/126 (94%)	80 (67%)	23 (19%)	16 (13%)	0	1
43	CP	123/126 (98%)	77 (63%)	22 (18%)	24 (20%)	0	0

*Continued on next page...*

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
44	BQ	58/61 (95%)	39 (67%)	12 (21%)	7 (12%)	0	2
44	CQ	58/61 (95%)	37 (64%)	12 (21%)	9 (16%)	0	0
45	BR	86/89 (97%)	67 (78%)	16 (19%)	3 (4%)	4	24
45	CR	86/89 (97%)	66 (77%)	14 (16%)	6 (7%)	1	8
46	BS	82/88 (93%)	57 (70%)	19 (23%)	6 (7%)	1	7
46	CS	82/88 (93%)	54 (66%)	22 (27%)	6 (7%)	1	7
47	BT	98/105 (93%)	78 (80%)	11 (11%)	9 (9%)	1	4
47	CT	98/105 (93%)	75 (76%)	17 (17%)	6 (6%)	2	11
48	BU	70/88 (80%)	45 (64%)	16 (23%)	9 (13%)	0	1
48	CU	70/88 (80%)	51 (73%)	11 (16%)	8 (11%)	0	2
49	BV	81/93 (87%)	47 (58%)	23 (28%)	11 (14%)	0	1
49	CV	86/93 (92%)	56 (65%)	16 (19%)	14 (16%)	0	0
50	BW	97/106 (92%)	55 (57%)	29 (30%)	13 (13%)	0	1
50	CW	97/106 (92%)	65 (67%)	20 (21%)	12 (12%)	0	1
51	BX	23/27 (85%)	16 (70%)	4 (17%)	3 (13%)	0	1
51	CX	23/27 (85%)	18 (78%)	3 (13%)	2 (9%)	1	5
56	DI	28/125 (22%)	6 (21%)	6 (21%)	16 (57%)	0	0
56	DJ	28/125 (22%)	10 (36%)	8 (29%)	10 (36%)	0	0
57	DY	143/173 (83%)	30 (21%)	36 (25%)	77 (54%)	0	0
58	DL	143/147 (97%)	46 (32%)	29 (20%)	68 (48%)	0	0
All	All	11776/12624 (93%)	7791 (66%)	2307 (20%)	1678 (14%)	0	1

5 of 1678 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	AD	3	VAL
3	AD	25	THR
3	AD	26	LYS
3	AD	28	GLU
3	AD	33	LEU

### 5.3.2 Protein sidechains ⓘ

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

resolution.

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	AD	214/218 (98%)	182 (85%)	32 (15%)	3	15
3	DD	214/218 (98%)	181 (85%)	33 (15%)	3	14
4	AE	165/166 (99%)	146 (88%)	19 (12%)	7	27
4	DE	165/166 (99%)	128 (78%)	37 (22%)	1	4
5	AF	165/166 (99%)	151 (92%)	14 (8%)	13	45
5	DF	161/166 (97%)	136 (84%)	25 (16%)	3	14
6	AG	155/156 (99%)	138 (89%)	17 (11%)	8	30
6	DG	155/156 (99%)	134 (86%)	21 (14%)	5	20
7	AH	142/148 (96%)	130 (92%)	12 (8%)	13	45
7	DH	142/148 (96%)	117 (82%)	25 (18%)	2	10
8	AK	122/124 (98%)	105 (86%)	17 (14%)	4	19
8	DK	122/124 (98%)	92 (75%)	30 (25%)	1	3
9	AM	117/119 (98%)	100 (86%)	17 (14%)	4	16
9	DM	117/119 (98%)	102 (87%)	15 (13%)	5	21
10	AN	100/100 (100%)	83 (83%)	17 (17%)	2	11
10	DN	100/100 (100%)	84 (84%)	16 (16%)	3	13
11	AO	116/116 (100%)	91 (78%)	25 (22%)	1	5
11	DO	116/116 (100%)	84 (72%)	32 (28%)	0	1
12	AP	111/111 (100%)	91 (82%)	20 (18%)	2	10
12	DP	111/111 (100%)	97 (87%)	14 (13%)	5	22
13	A0	100/101 (99%)	88 (88%)	12 (12%)	6	24
13	D0	101/101 (100%)	83 (82%)	18 (18%)	2	10
14	AQ	87/88 (99%)	76 (87%)	11 (13%)	5	22
14	DQ	87/88 (99%)	74 (85%)	13 (15%)	4	15
15	AR	120/127 (94%)	98 (82%)	22 (18%)	2	9
15	DR	120/127 (94%)	96 (80%)	24 (20%)	1	7
16	A1	93/94 (99%)	82 (88%)	11 (12%)	6	25
16	D1	93/94 (99%)	77 (83%)	16 (17%)	2	11
17	A2	82/82 (100%)	72 (88%)	10 (12%)	6	24

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
17	D2	82/82 (100%)	64 (78%)	18 (22%)	1	5
18	AS	92/92 (100%)	80 (87%)	12 (13%)	5	21
18	DS	92/92 (100%)	79 (86%)	13 (14%)	4	18
19	AT	74/78 (95%)	67 (90%)	7 (10%)	11	38
19	DT	74/78 (95%)	66 (89%)	8 (11%)	8	30
20	AU	85/91 (93%)	61 (72%)	24 (28%)	0	1
20	DU	85/91 (93%)	66 (78%)	19 (22%)	1	4
21	AV	164/179 (92%)	130 (79%)	34 (21%)	1	6
21	DV	173/179 (97%)	131 (76%)	42 (24%)	1	3
22	A3	66/67 (98%)	59 (89%)	7 (11%)	8	31
22	D3	66/67 (98%)	59 (89%)	7 (11%)	8	31
23	AZ	82/83 (99%)	70 (85%)	12 (15%)	4	16
23	DZ	82/83 (99%)	71 (87%)	11 (13%)	5	20
24	AW	64/67 (96%)	58 (91%)	6 (9%)	11	39
24	DW	64/67 (96%)	53 (83%)	11 (17%)	2	11
25	AX	51/52 (98%)	42 (82%)	9 (18%)	2	10
25	DX	51/52 (98%)	48 (94%)	3 (6%)	24	60
26	A4	63/63 (100%)	45 (71%)	18 (29%)	0	1
26	D4	63/63 (100%)	49 (78%)	14 (22%)	1	5
27	A5	51/52 (98%)	45 (88%)	6 (12%)	6	25
27	D5	51/52 (98%)	36 (71%)	15 (29%)	0	1
28	A6	44/52 (85%)	31 (70%)	13 (30%)	0	1
28	D6	44/52 (85%)	28 (64%)	16 (36%)	0	0
29	A7	42/42 (100%)	34 (81%)	8 (19%)	2	8
29	D7	42/42 (100%)	38 (90%)	4 (10%)	11	38
30	A8	54/55 (98%)	43 (80%)	11 (20%)	1	6
30	D8	54/55 (98%)	39 (72%)	15 (28%)	0	1
32	BE	205/220 (93%)	187 (91%)	18 (9%)	12	43
32	CE	205/220 (93%)	183 (89%)	22 (11%)	8	31
33	BF	160/188 (85%)	140 (88%)	20 (12%)	6	22
33	CF	159/188 (85%)	146 (92%)	13 (8%)	14	47

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	BG	180/181 (99%)	155 (86%)	25 (14%)	4	19
34	CG	180/181 (99%)	160 (89%)	20 (11%)	8	29
35	BH	116/123 (94%)	103 (89%)	13 (11%)	7	29
35	CH	116/123 (94%)	101 (87%)	15 (13%)	5	21
36	BI	90/90 (100%)	81 (90%)	9 (10%)	9	34
36	CI	90/90 (100%)	85 (94%)	5 (6%)	26	62
37	BJ	126/127 (99%)	114 (90%)	12 (10%)	11	38
37	CJ	126/127 (99%)	118 (94%)	8 (6%)	22	58
38	BK	119/119 (100%)	112 (94%)	7 (6%)	24	60
38	CK	119/119 (100%)	110 (92%)	9 (8%)	16	51
39	BL	98/99 (99%)	86 (88%)	12 (12%)	6	24
39	CL	98/99 (99%)	84 (86%)	14 (14%)	4	17
40	BM	89/92 (97%)	79 (89%)	10 (11%)	7	29
40	CM	89/92 (97%)	80 (90%)	9 (10%)	9	33
41	BN	90/99 (91%)	85 (94%)	5 (6%)	26	62
41	CN	90/99 (91%)	88 (98%)	2 (2%)	60	85
42	BO	104/109 (95%)	91 (88%)	13 (12%)	6	22
42	CO	104/109 (95%)	93 (89%)	11 (11%)	8	31
43	BP	97/101 (96%)	86 (89%)	11 (11%)	7	28
43	CP	100/101 (99%)	82 (82%)	18 (18%)	2	10
44	BQ	49/50 (98%)	42 (86%)	7 (14%)	4	17
44	CQ	49/50 (98%)	43 (88%)	6 (12%)	6	24
45	BR	79/80 (99%)	73 (92%)	6 (8%)	16	51
45	CR	79/80 (99%)	72 (91%)	7 (9%)	12	42
46	BS	72/74 (97%)	66 (92%)	6 (8%)	14	46
46	CS	72/74 (97%)	61 (85%)	11 (15%)	3	14
47	BT	95/97 (98%)	91 (96%)	4 (4%)	36	73
47	CT	95/97 (98%)	89 (94%)	6 (6%)	22	58
48	BU	63/77 (82%)	51 (81%)	12 (19%)	2	8
48	CU	63/77 (82%)	51 (81%)	12 (19%)	2	8
49	BV	72/80 (90%)	59 (82%)	13 (18%)	2	9

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
49	CV	75/80 (94%)	53 (71%)	22 (29%)	0 1
50	BW	76/82 (93%)	65 (86%)	11 (14%)	4 16
50	CW	76/82 (93%)	69 (91%)	7 (9%)	11 40
51	BX	20/22 (91%)	17 (85%)	3 (15%)	3 15
51	CX	20/22 (91%)	19 (95%)	1 (5%)	30 67
56	DI	26/90 (29%)	15 (58%)	11 (42%)	0 0
56	DJ	26/90 (29%)	14 (54%)	12 (46%)	0 0
57	DY	117/135 (87%)	47 (40%)	70 (60%)	0 0
58	DL	109/111 (98%)	52 (48%)	57 (52%)	0 0
All	All	9931/10424 (95%)	8408 (85%)	1523 (15%)	3 14

5 of 1523 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
34	CG	150	GLU
50	CW	26	ASN
21	DV	142	SER
35	CH	153	LYS
43	CP	64	TRP

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 317 such sidechains are listed below:

Mol	Chain	Res	Type
45	BR	46	HIS
35	CH	78	HIS
19	DT	31	HIS
49	BV	14	HIS
32	CE	146	GLN

### 5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	2908/2909 (99%)	771 (26%)	318 (10%)
2	AB	121/122 (99%)	24 (19%)	6 (4%)
2	DB	121/122 (99%)	27 (22%)	5 (4%)
31	BA	1516/1516 (100%)	331 (21%)	130 (8%)
52	BB	74/76 (97%)	28 (37%)	8 (10%)

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
52	BC	74/76 (97%)	19 (25%)	6 (8%)
52	BD	74/76 (97%)	15 (20%)	3 (4%)
52	CB	74/76 (97%)	25 (33%)	8 (10%)
52	CC	74/76 (97%)	18 (24%)	7 (9%)
52	CD	74/76 (97%)	23 (31%)	5 (6%)
53	B1	29/30 (96%)	12 (41%)	4 (13%)
53	C1	29/30 (96%)	10 (34%)	4 (13%)
54	CA	1514/1515 (99%)	321 (21%)	138 (9%)
55	DA	2911/2912 (99%)	806 (27%)	374 (12%)
All	All	9593/9612 (99%)	2430 (25%)	1016 (10%)

5 of 2430 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	5	A
1	AA	13	A
1	AA	14	A
1	AA	28	A
1	AA	34	C

5 of 1016 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
52	BB	9	A
54	CA	971	G
55	DA	2249	U
53	B1	53	U
54	CA	412	A

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

6 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
52	MIA	BB	37	52	21,31,32	1.44	2 (9%)	26,44,47	3.46	3 (11%)
52	MIA	BC	37	52	21,31,32	1.17	1 (4%)	26,44,47	3.17	3 (11%)
52	MIA	BD	37	52	21,31,32	1.68	3 (14%)	26,44,47	3.49	3 (11%)
52	MIA	CB	37	52	21,31,32	1.32	2 (9%)	26,44,47	3.95	5 (19%)
52	MIA	CC	37	52	21,31,32	1.50	3 (14%)	26,44,47	3.16	3 (11%)
52	MIA	CD	37	52	21,31,32	1.58	3 (14%)	26,44,47	3.20	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
52	MIA	BB	37	52	-	0/11/33/34	0/3/3/3
52	MIA	BC	37	52	-	0/11/33/34	0/3/3/3
52	MIA	BD	37	52	-	2/11/33/34	0/3/3/3
52	MIA	CB	37	52	-	0/11/33/34	0/3/3/3
52	MIA	CC	37	52	-	0/11/33/34	0/3/3/3
52	MIA	CD	37	52	-	2/11/33/34	0/3/3/3

The worst 5 of 14 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
52	BC	37	MIA	C13-C12	-4.13	1.34	1.52
52	BD	37	MIA	C13-C12	-4.03	1.34	1.52
52	CC	37	MIA	C13-C12	-3.93	1.34	1.52
52	BB	37	MIA	C13-C12	-3.87	1.35	1.52
52	CD	37	MIA	C13-C12	-3.81	1.35	1.52

The worst 5 of 20 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
52	CB	37	MIA	C12-N6-C6	-15.82	103.74	123.42
52	BC	37	MIA	C12-N6-C6	-12.54	107.82	123.42
52	BD	37	MIA	C12-N6-C6	-12.11	108.35	123.42
52	BB	37	MIA	C12-N6-C6	-11.15	109.55	123.42
52	CC	37	MIA	C12-N6-C6	-10.52	110.33	123.42

There are no chirality outliers.

All (4) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
52	CD	37	MIA	N3-C2-S10-C11
52	CD	37	MIA	N1-C2-S10-C11
52	BD	37	MIA	N1-C2-S10-C11
52	BD	37	MIA	N3-C2-S10-C11

There are no ring outliers.

6 monomers are involved in 25 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
52	BB	37	MIA	2	0
52	BC	37	MIA	1	0
52	BD	37	MIA	8	0
52	CB	37	MIA	6	0
52	CC	37	MIA	1	0
52	CD	37	MIA	7	0

## 5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 5.6 Ligand geometry [i](#)

Of 5351 ligands modelled in this entry, 5351 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

## 5.7 Other polymers [i](#)

There are no such residues in this entry.

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

There are no chain breaks in this entry.

## 6 Fit of model and data ⓘ

### 6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
1	AA	2909/2909 (100%)	-0.15	77 (2%) 59 35	24, 64, 192, 200	0
2	AB	122/122 (100%)	-0.25	2 (1%) 74 55	71, 95, 122, 159	0
2	DB	122/122 (100%)	-0.35	1 (0%) 87 75	43, 62, 79, 132	0
3	AD	272/276 (98%)	0.27	5 (1%) 71 50	29, 49, 71, 94	0
3	DD	272/276 (98%)	0.02	3 (1%) 82 66	15, 35, 58, 78	0
4	AE	205/206 (99%)	1.07	44 (21%) 1 0	41, 77, 115, 121	0
4	DE	205/206 (99%)	0.40	10 (4%) 33 14	16, 49, 92, 103	0
5	AF	208/210 (99%)	0.44	16 (7%) 16 5	33, 67, 130, 143	0
5	DF	202/210 (96%)	-0.19	1 (0%) 91 83	10, 43, 77, 88	0
6	AG	181/182 (99%)	1.09	36 (19%) 1 0	86, 105, 124, 138	0
6	DG	181/182 (99%)	0.23	7 (3%) 43 21	55, 70, 98, 109	0
7	AH	170/180 (94%)	2.84	95 (55%) 0 0	124, 158, 180, 187	0
7	DH	170/180 (94%)	0.38	9 (5%) 30 13	48, 84, 96, 100	0
8	AK	146/148 (98%)	0.50	11 (7%) 17 6	58, 93, 117, 128	0
8	DK	146/148 (98%)	0.65	15 (10%) 9 3	46, 93, 108, 114	0
9	AM	138/140 (98%)	1.42	32 (23%) 1 0	59, 83, 108, 111	0
9	DM	138/140 (98%)	-0.00	2 (1%) 78 60	31, 48, 85, 96	0
10	AN	122/122 (100%)	1.12	19 (15%) 3 1	42, 68, 81, 87	0
10	DN	122/122 (100%)	0.21	1 (0%) 87 75	24, 44, 58, 66	0
11	AO	150/150 (100%)	0.35	8 (5%) 30 13	43, 83, 109, 137	0
11	DO	150/150 (100%)	0.06	6 (4%) 42 20	23, 54, 87, 117	0
12	AP	141/141 (100%)	1.45	37 (26%) 1 0	49, 84, 112, 122	0
12	DP	141/141 (100%)	-0.00	4 (2%) 56 32	28, 48, 77, 95	0
13	A0	117/118 (99%)	-0.04	0 100 100	41, 60, 80, 91	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
13	D0	118/118 (100%)	-0.39	0 100 100	21, 47, 68, 79	0
14	AQ	111/112 (99%)	0.12	4 (3%) 46 23	71, 97, 127, 137	0
14	DQ	111/112 (99%)	0.31	8 (7%) 18 7	44, 63, 84, 97	0
15	AR	137/146 (93%)	0.12	7 (5%) 32 13	57, 77, 123, 139	0
15	DR	137/146 (93%)	0.31	5 (3%) 46 23	39, 59, 103, 134	0
16	A1	117/118 (99%)	1.10	22 (18%) 2 1	42, 76, 109, 122	0
16	D1	117/118 (99%)	-0.33	2 (1%) 73 52	25, 39, 64, 101	0
17	A2	101/101 (100%)	1.52	35 (34%) 0 0	41, 94, 110, 113	0
17	D2	101/101 (100%)	-0.07	3 (2%) 54 29	18, 60, 77, 83	0
18	AS	113/113 (100%)	0.43	3 (2%) 58 34	39, 57, 84, 106	0
18	DS	113/113 (100%)	-0.33	1 (0%) 85 72	28, 40, 64, 109	0
19	AT	92/96 (95%)	0.22	3 (3%) 50 26	45, 62, 86, 90	0
19	DT	92/96 (95%)	-0.32	0 100 100	24, 41, 60, 65	0
20	AU	102/110 (92%)	1.14	17 (16%) 2 1	58, 83, 144, 149	0
20	DU	102/110 (92%)	-0.05	5 (4%) 33 14	44, 71, 114, 123	0
21	AV	187/206 (90%)	2.74	112 (59%) 0 0	96, 128, 171, 184	0
21	DV	200/206 (97%)	0.96	38 (19%) 2 1	48, 97, 155, 163	0
22	A3	84/85 (98%)	0.27	6 (7%) 19 7	52, 71, 99, 110	0
22	D3	84/85 (98%)	-0.09	3 (3%) 46 23	25, 44, 80, 96	0
23	AZ	97/98 (98%)	0.52	11 (11%) 7 2	39, 61, 102, 111	0
23	DZ	97/98 (98%)	0.36	4 (4%) 41 19	23, 50, 98, 120	0
24	AW	69/72 (95%)	0.11	3 (4%) 39 18	48, 71, 115, 141	0
24	DW	69/72 (95%)	-0.15	1 (1%) 78 60	29, 53, 84, 104	0
25	AX	59/60 (98%)	1.55	14 (23%) 1 0	60, 81, 101, 112	0
25	DX	59/60 (98%)	-0.12	1 (1%) 73 52	32, 50, 73, 89	0
26	A4	71/71 (100%)	3.23	50 (70%) 0 0	126, 151, 157, 158	0
26	D4	71/71 (100%)	1.15	14 (19%) 1 0	95, 125, 138, 143	0
27	A5	59/60 (98%)	0.82	8 (13%) 4 2	45, 65, 140, 145	0
27	D5	59/60 (98%)	0.56	10 (16%) 2 1	19, 57, 159, 165	0
28	A6	45/54 (83%)	1.93	19 (42%) 0 0	126, 140, 154, 156	0
28	D6	45/54 (83%)	3.94	34 (75%) 0 0	86, 120, 140, 143	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
29	A7	49/49 (100%)	0.14	2 (4%) 41 19	30, 40, 98, 125	0
29	D7	49/49 (100%)	-0.28	2 (4%) 41 19	16, 25, 82, 109	0
30	A8	64/65 (98%)	0.47	3 (4%) 35 16	45, 64, 95, 120	0
30	D8	64/65 (98%)	-0.09	0 100 100	25, 39, 55, 98	0
31	BA	1516/1516 (100%)	-0.50	8 (0%) 91 83	32, 82, 155, 200	0
32	BE	237/256 (92%)	0.47	23 (9%) 10 3	83, 120, 159, 171	0
32	CE	237/256 (92%)	0.34	15 (6%) 23 9	65, 104, 144, 155	0
33	BF	206/239 (86%)	0.55	22 (10%) 8 3	82, 108, 137, 147	0
33	CF	205/239 (85%)	0.89	30 (14%) 3 1	54, 85, 115, 122	0
34	BG	208/209 (99%)	0.04	4 (1%) 70 48	57, 76, 93, 103	0
34	CG	208/209 (99%)	0.23	6 (2%) 55 31	62, 80, 99, 104	0
35	BH	151/162 (93%)	-0.19	1 (0%) 89 78	68, 82, 104, 117	0
35	CH	151/162 (93%)	-0.00	1 (0%) 89 78	49, 69, 99, 114	0
36	BI	101/101 (100%)	0.72	12 (11%) 6 2	55, 73, 90, 109	0
36	CI	101/101 (100%)	0.28	1 (0%) 84 69	47, 73, 83, 109	0
37	BJ	155/156 (99%)	0.52	11 (7%) 19 7	69, 93, 115, 124	0
37	CJ	155/156 (99%)	0.22	10 (6%) 22 8	59, 85, 104, 117	0
38	BK	138/138 (100%)	-0.32	0 100 100	73, 85, 101, 109	0
38	CK	138/138 (100%)	-0.31	0 100 100	56, 74, 86, 89	0
39	BL	127/128 (99%)	-0.18	4 (3%) 52 28	81, 114, 130, 141	0
39	CL	127/128 (99%)	-0.27	1 (0%) 87 75	58, 105, 125, 134	0
40	BM	99/105 (94%)	-0.28	2 (2%) 68 46	87, 121, 137, 139	0
40	CM	99/105 (94%)	0.34	8 (8%) 15 5	57, 106, 131, 133	0
41	BN	119/129 (92%)	1.16	27 (22%) 1 0	54, 77, 104, 125	0
41	CN	119/129 (92%)	0.89	16 (13%) 4 2	50, 70, 102, 120	0
42	BO	125/132 (94%)	0.74	13 (10%) 8 3	54, 74, 91, 124	0
42	CO	125/132 (94%)	0.55	15 (12%) 6 2	38, 51, 79, 111	0
43	BP	121/126 (96%)	0.51	13 (10%) 8 3	82, 118, 131, 135	0
43	CP	125/126 (99%)	0.00	5 (4%) 42 20	57, 92, 111, 123	0
44	BQ	60/61 (98%)	-0.19	0 100 100	78, 99, 117, 122	0
44	CQ	60/61 (98%)	-0.28	0 100 100	65, 76, 88, 99	0

*Continued on next page...*

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
45	BR	88/89 (98%)	-0.03	1 (1%) 82 66	52, 74, 102, 112	0
45	CR	88/89 (98%)	-0.12	1 (1%) 82 66	43, 65, 93, 95	0
46	BS	84/88 (95%)	-0.65	0 100 100	57, 71, 92, 113	0
46	CS	84/88 (95%)	-0.64	1 (1%) 81 64	53, 78, 103, 128	0
47	BT	100/105 (95%)	-0.04	3 (3%) 54 29	60, 80, 106, 128	0
47	CT	100/105 (95%)	-0.29	1 (1%) 84 69	56, 77, 94, 110	0
48	BU	72/88 (81%)	0.68	10 (13%) 4 2	59, 75, 115, 121	0
48	CU	72/88 (81%)	0.48	3 (4%) 40 19	56, 68, 105, 117	0
49	BV	83/93 (89%)	0.53	9 (10%) 8 2	112, 124, 144, 151	0
49	CV	88/93 (94%)	0.31	7 (7%) 15 5	80, 98, 123, 141	0
50	BW	99/106 (93%)	-0.42	1 (1%) 84 69	61, 88, 128, 132	0
50	CW	99/106 (93%)	-0.43	0 100 100	60, 85, 120, 124	0
51	BX	25/27 (92%)	-0.43	1 (4%) 42 20	92, 114, 122, 125	0
51	CX	25/27 (92%)	-0.52	0 100 100	84, 93, 110, 118	0
52	BB	75/76 (98%)	1.21	20 (26%) 1 0	82, 170, 186, 188	0
52	BC	75/76 (98%)	-0.04	1 (1%) 79 62	52, 85, 121, 139	0
52	BD	75/76 (98%)	0.25	4 (5%) 30 13	60, 156, 184, 192	0
52	CB	75/76 (98%)	1.14	17 (22%) 1 0	49, 148, 176, 180	0
52	CC	75/76 (98%)	0.06	2 (2%) 58 34	33, 67, 101, 114	0
52	CD	75/76 (98%)	0.64	9 (12%) 6 2	45, 151, 177, 181	0
53	B1	30/30 (100%)	0.20	2 (6%) 21 7	67, 153, 197, 198	0
53	C1	30/30 (100%)	1.05	6 (20%) 1 0	45, 141, 192, 194	0
54	CA	1515/1515 (100%)	-0.41	7 (0%) 91 83	27, 72, 153, 200	0
55	DA	2912/2912 (100%)	-0.13	55 (1%) 70 48	11, 42, 174, 200	0
56	DI	30/125 (24%)	1.46	6 (20%) 1 0	121, 127, 132, 143	0
56	DJ	30/125 (24%)	1.46	8 (26%) 1 0	124, 129, 137, 138	0
57	DY	145/173 (83%)	0.87	27 (18%) 2 1	132, 157, 169, 177	0
58	DL	145/147 (98%)	2.18	66 (45%) 0 0	128, 199, 200, 200	0
All	All	21582/22236 (97%)	0.16	1407 (6%) 22 8	10, 73, 158, 200	0

The worst 5 of 1407 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
55	DA	654(L)	G	18.2
55	DA	654(K)	C	17.3
1	AA	2901	C	16.4
21	AV	187	ALA	15.8
1	AA	654(I)	C	14.1

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
52	MIA	BB	37	29/30	0.94	0.19	-	83,88,98,99	0
52	MIA	CD	37	29/30	0.92	0.27	-	106,108,109,110	0
52	MIA	CB	37	29/30	0.96	0.23	-	53,57,62,63	0
52	MIA	CC	37	29/30	0.97	0.21	-	49,53,60,61	0
52	MIA	BC	37	29/30	0.95	0.19	-	70,75,80,81	0
52	MIA	BD	37	29/30	0.89	0.21	-	107,111,115,115	0

## 6.3 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
59	MG	DA	4747	1/1	0.95	1.00	99.18	71,71,71,71	0
59	MG	DA	4545	1/1	0.74	0.73	89.57	90,90,90,90	0
59	MG	DA	4606	1/1	0.93	0.69	63.59	41,41,41,41	0
59	MG	DA	4936	1/1	0.97	0.74	43.71	52,52,52,52	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	A1	204	1/1	0.88	0.85	36.21	65,65,65,65	0
59	MG	DA	3279	1/1	0.95	0.39	34.01	45,45,45,45	0
59	MG	DA	4594	1/1	0.96	0.48	33.72	62,62,62,62	0
59	MG	DA	3458	1/1	0.91	0.38	32.36	54,54,54,54	0
59	MG	BQ	101	1/1	0.53	0.34	30.20	66,66,66,66	0
59	MG	DA	4712	1/1	0.94	0.45	29.05	43,43,43,43	0
59	MG	DF	322	1/1	0.94	0.81	28.64	40,40,40,40	0
59	MG	DA	3055	1/1	0.94	0.41	28.64	21,21,21,21	0
59	MG	CA	2121	1/1	0.50	0.26	28.43	125,125,125,125	0
59	MG	DO	214	1/1	0.92	0.78	27.70	61,61,61,61	0
59	MG	DA	4232	1/1	0.95	0.33	26.83	68,68,68,68	0
59	MG	DA	4325	1/1	0.89	0.42	26.58	45,45,45,45	0
59	MG	DA	4572	1/1	0.45	1.39	26.25	76,76,76,76	0
59	MG	DA	4931	1/1	0.97	0.42	25.12	41,41,41,41	0
59	MG	DA	4231	1/1	0.85	0.49	24.50	42,42,42,42	0
59	MG	BA	1697	1/1	0.95	0.43	24.06	52,52,52,52	0
59	MG	D0	203	1/1	0.55	0.57	23.46	97,97,97,97	0
59	MG	AA	3630	1/1	0.96	0.37	23.28	55,55,55,55	0
59	MG	DA	3684	1/1	0.90	0.42	23.07	56,56,56,56	0
59	MG	DA	4131	1/1	0.96	0.25	22.67	34,34,34,34	0
59	MG	CA	2152	1/1	0.86	0.39	22.67	42,42,42,42	0
59	MG	DM	204	1/1	0.91	1.30	22.58	67,67,67,67	0
59	MG	DA	3067	1/1	0.99	0.40	22.57	14,14,14,14	0
59	MG	DA	3994	1/1	0.86	0.39	21.80	48,48,48,48	0
59	MG	CA	2065	1/1	0.65	0.44	21.66	87,87,87,87	0
59	MG	DA	3123	1/1	0.90	0.41	21.18	65,65,65,65	0
59	MG	DA	4497	1/1	0.86	0.36	21.09	43,43,43,43	0
59	MG	DA	4666	1/1	0.98	0.37	21.03	60,60,60,60	0
59	MG	DA	3875	1/1	0.90	0.33	20.72	116,116,116,116	0
59	MG	DA	3880	1/1	0.96	0.38	20.67	44,44,44,44	0
59	MG	DA	3671	1/1	0.96	0.41	20.48	40,40,40,40	0
59	MG	DA	3832	1/1	0.68	0.34	20.27	55,55,55,55	0
59	MG	DA	3053	1/1	0.96	0.43	20.11	24,24,24,24	0
59	MG	DA	4981	1/1	0.98	0.41	20.03	41,41,41,41	0
59	MG	DA	4561	1/1	0.97	0.58	19.60	43,43,43,43	0
59	MG	DA	3998	1/1	0.86	0.38	19.10	46,46,46,46	0
59	MG	BA	2070	1/1	0.67	0.28	19.06	89,89,89,89	0
59	MG	DA	3085	1/1	0.96	0.38	18.77	43,43,43,43	0
59	MG	DA	4450	1/1	0.91	0.24	18.45	68,68,68,68	0
59	MG	DA	4946	1/1	0.97	0.53	18.19	62,62,62,62	0
59	MG	CA	2051	1/1	0.64	0.32	18.01	89,89,89,89	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3154	1/1	0.84	0.29	17.69	46,46,46,46	0
59	MG	CA	1776	1/1	0.89	0.41	17.47	62,62,62,62	0
59	MG	DA	4940	1/1	0.79	0.32	17.26	69,69,69,69	0
59	MG	DW	107	1/1	0.88	0.76	17.07	70,70,70,70	0
59	MG	DA	5062	1/1	0.90	0.29	17.03	94,94,94,94	0
59	MG	CA	1738	1/1	0.92	0.29	17.00	66,66,66,66	0
59	MG	AA	3711	1/1	0.95	0.26	16.98	69,69,69,69	0
59	MG	DA	4035	1/1	0.94	0.54	16.95	52,52,52,52	0
59	MG	DA	4469	1/1	0.93	0.43	16.80	52,52,52,52	0
59	MG	BA	1971	1/1	0.82	0.34	16.59	98,98,98,98	0
59	MG	DA	3793	1/1	0.63	0.27	16.40	81,81,81,81	0
59	MG	DA	4401	1/1	0.98	0.30	16.38	87,87,87,87	0
59	MG	DD	304	1/1	0.95	0.87	16.03	66,66,66,66	0
59	MG	DA	3022	1/1	0.98	0.30	15.97	12,12,12,12	0
59	MG	DA	3026	1/1	0.97	0.39	15.91	17,17,17,17	0
59	MG	DM	205	1/1	0.95	1.02	15.70	51,51,51,51	0
59	MG	DA	4406	1/1	0.97	0.38	15.69	54,54,54,54	0
59	MG	AA	4094	1/1	0.80	0.34	15.68	57,57,57,57	0
59	MG	DA	3664	1/1	0.95	0.24	15.41	60,60,60,60	0
59	MG	BA	1750	1/1	0.90	0.29	15.37	65,65,65,65	0
59	MG	DA	3536	1/1	0.91	0.32	15.27	48,48,48,48	0
59	MG	CA	1765	1/1	0.86	0.35	15.21	56,56,56,56	0
59	MG	DA	4456	1/1	0.88	0.32	15.16	59,59,59,59	0
59	MG	DF	321	1/1	0.93	0.50	15.16	55,55,55,55	0
59	MG	DA	3276	1/1	0.98	0.29	15.11	34,34,34,34	0
59	MG	DA	3171	1/1	0.95	0.28	14.90	36,36,36,36	0
59	MG	AA	3357	1/1	0.90	1.30	14.82	91,91,91,91	0
59	MG	BA	1640	1/1	0.97	0.28	14.55	27,27,27,27	0
59	MG	DA	3439	1/1	0.84	0.34	14.43	86,86,86,86	0
59	MG	DA	4207	1/1	0.93	0.34	14.41	84,84,84,84	0
59	MG	DA	4369	1/1	0.90	0.37	14.32	78,78,78,78	0
59	MG	DA	4802	1/1	0.81	0.32	14.25	75,75,75,75	0
59	MG	DA	3011	1/1	0.98	0.35	14.21	1,1,1,1	0
59	MG	BA	1949	1/1	0.81	0.32	14.18	85,85,85,85	0
59	MG	BA	1731	1/1	0.82	0.28	14.12	46,46,46,46	0
59	MG	DA	3585	1/1	0.98	0.28	14.10	10,10,10,10	0
59	MG	DA	4199	1/1	0.97	0.43	13.89	48,48,48,48	0
59	MG	DA	4130	1/1	0.97	0.37	13.81	29,29,29,29	0
59	MG	BA	1725	1/1	0.09	0.31	13.77	109,109,109,109	0
59	MG	DA	3072	1/1	0.98	0.29	13.73	9,9,9,9	0
59	MG	DA	3365	1/1	0.77	0.34	13.63	45,45,45,45	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1782	1/1	0.89	0.35	13.58	50,50,50,50	0
59	MG	CA	1957	1/1	0.95	0.31	13.47	56,56,56,56	0
59	MG	DA	3625	1/1	0.93	0.35	13.47	19,19,19,19	0
59	MG	DA	4012	1/1	0.94	0.35	13.28	63,63,63,63	0
59	MG	DA	4357	1/1	0.73	0.29	13.27	53,53,53,53	0
59	MG	CA	2313	1/1	0.79	0.34	13.24	128,128,128,128	0
59	MG	DA	3382	1/1	0.93	0.35	13.08	47,47,47,47	0
59	MG	CA	2073	1/1	0.89	0.35	13.07	41,41,41,41	0
59	MG	DA	4353	1/1	0.94	0.48	12.96	45,45,45,45	0
59	MG	DA	3254	1/1	0.91	0.26	12.71	25,25,25,25	0
59	MG	BA	2091	1/1	0.87	0.37	12.51	108,108,108,108	0
59	MG	BA	1990	1/1	0.88	0.20	12.42	82,82,82,82	0
59	MG	DD	308	1/1	0.90	0.68	12.32	53,53,53,53	0
59	MG	BA	1723	1/1	0.96	0.26	12.30	63,63,63,63	0
59	MG	CA	1661	1/1	0.90	0.31	12.25	59,59,59,59	0
59	MG	AA	3721	1/1	0.93	0.69	12.19	82,82,82,82	0
59	MG	CA	1779	1/1	0.98	0.31	12.10	38,38,38,38	0
59	MG	D3	106	1/1	0.90	0.36	12.06	58,58,58,58	0
59	MG	DA	5040	1/1	0.89	0.31	11.96	90,90,90,90	0
59	MG	DA	4040	1/1	0.80	0.28	11.84	59,59,59,59	0
59	MG	DA	3703	1/1	0.97	0.31	11.69	12,12,12,12	0
59	MG	AA	3171	1/1	0.87	0.45	11.68	50,50,50,50	0
59	MG	DA	3732	1/1	0.90	0.43	11.65	60,60,60,60	0
59	MG	AA	4113	1/1	0.93	0.50	11.62	92,92,92,92	0
59	MG	AA	3638	1/1	0.83	0.32	11.58	51,51,51,51	0
59	MG	DA	3396	1/1	0.81	0.33	11.54	46,46,46,46	0
59	MG	DA	3101	1/1	0.98	0.32	11.50	45,45,45,45	0
59	MG	AA	3019	1/1	0.93	0.30	11.40	31,31,31,31	0
59	MG	CA	1623	1/1	0.93	0.31	11.35	49,49,49,49	0
59	MG	BA	1713	1/1	0.96	0.37	11.34	48,48,48,48	0
59	MG	DD	314	1/1	0.99	0.74	11.30	32,32,32,32	0
59	MG	DF	323	1/1	0.97	0.72	11.21	37,37,37,37	0
59	MG	DA	4867	1/1	0.97	0.26	11.12	62,62,62,62	0
59	MG	DA	3469	1/1	0.95	0.28	11.09	63,63,63,63	0
59	MG	AO	206	1/1	0.74	0.57	11.08	53,53,53,53	0
59	MG	AA	3571	1/1	0.85	0.24	11.08	57,57,57,57	0
59	MG	CA	1679	1/1	0.86	0.29	11.05	60,60,60,60	0
59	MG	AA	3733	1/1	0.86	0.23	11.00	72,72,72,72	0
59	MG	BA	1616	1/1	0.97	0.27	10.99	47,47,47,47	0
59	MG	AW	102	1/1	0.91	0.38	10.98	56,56,56,56	0
59	MG	DA	3507	1/1	0.85	0.20	10.93	66,66,66,66	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3530	1/1	0.53	0.25	10.92	73,73,73,73	0
59	MG	DA	4977	1/1	0.97	0.34	10.90	94,94,94,94	0
59	MG	AA	4018	1/1	0.87	0.34	10.85	56,56,56,56	0
59	MG	DA	3095	1/1	0.89	0.29	10.81	27,27,27,27	0
59	MG	DA	3283	1/1	0.65	0.36	10.77	87,87,87,87	0
59	MG	CA	1717	1/1	0.59	0.21	10.71	67,67,67,67	0
59	MG	DA	4021	1/1	0.83	0.32	10.66	76,76,76,76	0
59	MG	DA	3603	1/1	0.90	0.29	10.65	20,20,20,20	0
59	MG	AA	3793	1/1	0.98	0.44	10.59	63,63,63,63	0
59	MG	AA	3337	1/1	0.90	0.23	10.52	51,51,51,51	0
59	MG	BA	1654	1/1	0.91	0.29	10.52	53,53,53,53	0
59	MG	BA	1651	1/1	0.95	0.27	10.44	72,72,72,72	0
59	MG	DA	4715	1/1	0.90	0.31	10.34	58,58,58,58	0
59	MG	AA	4163	1/1	0.97	0.38	10.18	102,102,102,102	0
59	MG	D0	207	1/1	0.78	0.33	10.08	58,58,58,58	0
59	MG	DA	3400	1/1	0.94	0.24	10.03	48,48,48,48	0
59	MG	DA	3162	1/1	0.76	0.24	9.98	45,45,45,45	0
59	MG	DA	4929	1/1	0.68	0.43	9.96	52,52,52,52	0
59	MG	BA	1665	1/1	0.70	0.29	9.94	61,61,61,61	0
59	MG	DE	308	1/1	0.77	0.94	9.90	83,83,83,83	0
59	MG	DA	3508	1/1	0.96	0.36	9.85	56,56,56,56	0
59	MG	BA	1839	1/1	0.78	0.29	9.82	136,136,136,136	0
59	MG	DU	212	1/1	0.94	0.73	9.76	75,75,75,75	0
59	MG	DA	3706	1/1	0.98	0.25	9.75	20,20,20,20	0
59	MG	DB	250	1/1	0.94	0.31	9.75	74,74,74,74	0
59	MG	DA	3132	1/1	0.94	0.37	9.75	34,34,34,34	0
59	MG	AA	3253	1/1	0.80	0.21	9.73	50,50,50,50	0
59	MG	DA	3211	1/1	0.96	0.31	9.69	43,43,43,43	0
59	MG	AA	3045	1/1	0.95	0.29	9.63	51,51,51,51	0
59	MG	DA	4443	1/1	0.98	0.56	9.63	36,36,36,36	0
59	MG	D8	105	1/1	0.89	0.34	9.57	44,44,44,44	0
59	MG	DA	4546	1/1	0.95	0.27	9.48	67,67,67,67	0
59	MG	DA	3848	1/1	0.94	0.45	9.47	35,35,35,35	0
59	MG	DA	4134	1/1	0.81	0.27	9.40	34,34,34,34	0
59	MG	DA	3592	1/1	0.78	0.21	9.40	81,81,81,81	0
59	MG	DA	3866	1/1	0.96	0.26	9.40	59,59,59,59	0
59	MG	DA	4273	1/1	0.89	0.28	9.34	74,74,74,74	0
59	MG	CA	1973	1/1	0.94	0.27	9.32	65,65,65,65	0
59	MG	DA	4582	1/1	0.78	0.25	9.30	69,69,69,69	0
59	MG	CA	2278	1/1	0.77	0.24	9.28	84,84,84,84	0
59	MG	AD	308	1/1	0.96	1.02	9.15	58,58,58,58	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2062	1/1	0.50	0.21	9.15	75,75,75,75	0
59	MG	AA	3046	1/1	0.98	0.34	9.10	38,38,38,38	0
59	MG	CA	2087	1/1	0.89	0.23	9.08	95,95,95,95	0
59	MG	BA	1770	1/1	0.75	0.20	9.07	67,67,67,67	0
59	MG	DO	210	1/1	0.94	0.34	9.06	53,53,53,53	0
59	MG	DA	4039	1/1	0.91	0.36	9.02	75,75,75,75	0
59	MG	DA	3700	1/1	0.95	0.28	8.93	39,39,39,39	0
59	MG	DA	4381	1/1	0.74	0.25	8.92	88,88,88,88	0
59	MG	BA	2241	1/1	0.89	0.22	8.89	78,78,78,78	0
59	MG	DA	3066	1/1	0.96	0.25	8.89	17,17,17,17	0
59	MG	DA	4939	1/1	0.95	0.50	8.86	57,57,57,57	0
59	MG	DA	4537	1/1	0.91	0.31	8.79	58,58,58,58	0
59	MG	BA	2039	1/1	0.86	0.21	8.68	138,138,138,138	0
59	MG	BA	1619	1/1	0.96	0.31	8.66	31,31,31,31	0
59	MG	DO	203	1/1	0.95	0.35	8.66	32,32,32,32	0
59	MG	DA	4589	1/1	0.92	0.35	8.58	58,58,58,58	0
59	MG	DA	3838	1/1	0.88	0.31	8.57	80,80,80,80	0
59	MG	DF	308	1/1	0.97	0.51	8.54	30,30,30,30	0
59	MG	AA	3263	1/1	0.93	0.67	8.34	57,57,57,57	0
59	MG	DA	3023	1/1	0.88	0.32	8.31	57,57,57,57	0
59	MG	DA	4278	1/1	0.94	0.34	8.25	62,62,62,62	0
59	MG	DA	3044	1/1	0.97	0.31	8.23	18,18,18,18	0
59	MG	DA	3002	1/1	0.96	0.28	8.14	11,11,11,11	0
59	MG	DA	4022	1/1	0.97	0.56	8.10	41,41,41,41	0
59	MG	CA	2072	1/1	0.93	0.30	8.10	48,48,48,48	0
59	MG	AA	3978	1/1	0.93	0.47	8.06	70,70,70,70	0
59	MG	DD	305	1/1	0.98	0.68	8.04	78,78,78,78	0
59	MG	CA	1748	1/1	0.98	0.26	7.99	27,27,27,27	0
59	MG	DA	3329	1/1	0.95	0.25	7.95	57,57,57,57	0
59	MG	DA	3983	1/1	0.72	0.22	7.93	57,57,57,57	0
59	MG	DA	3337	1/1	0.94	0.27	7.88	44,44,44,44	0
59	MG	BA	2150	1/1	0.31	0.29	7.83	96,96,96,96	0
59	MG	AA	3017	1/1	0.98	0.34	7.82	29,29,29,29	0
59	MG	D0	205	1/1	0.86	0.35	7.82	41,41,41,41	0
59	MG	DA	3474	1/1	0.88	0.25	7.76	41,41,41,41	0
59	MG	AA	3364	1/1	0.88	0.21	7.72	57,57,57,57	0
59	MG	D5	106	1/1	0.96	0.36	7.71	58,58,58,58	0
59	MG	DA	3730	1/1	0.93	0.28	7.70	47,47,47,47	0
59	MG	AA	3820	1/1	0.82	0.37	7.48	59,59,59,59	0
59	MG	CA	1901	1/1	0.90	0.20	7.31	65,65,65,65	0
59	MG	DA	3252	1/1	0.90	0.23	7.29	29,29,29,29	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3531	1/1	0.98	0.26	7.27	26,26,26,26	0
59	MG	AA	3710	1/1	0.75	0.21	7.25	76,76,76,76	0
59	MG	AA	3977	1/1	0.93	0.32	7.23	56,56,56,56	0
59	MG	DA	3699	1/1	0.98	0.29	7.21	1,1,1,1	0
59	MG	DA	3708	1/1	0.95	0.25	7.21	9,9,9,9	0
59	MG	DA	4745	1/1	0.85	0.28	7.18	53,53,53,53	0
59	MG	D1	205	1/1	0.91	0.32	7.16	55,55,55,55	0
59	MG	AA	3623	1/1	0.71	0.23	7.16	50,50,50,50	0
59	MG	DA	3584	1/1	0.90	0.23	7.11	63,63,63,63	0
59	MG	DA	4015	1/1	0.77	0.40	7.05	57,57,57,57	0
59	MG	D1	212	1/1	0.96	0.34	7.02	53,53,53,53	0
59	MG	DA	4775	1/1	0.83	0.40	7.01	86,86,86,86	0
59	MG	CA	1856	1/1	0.32	0.23	6.98	81,81,81,81	0
59	MG	DA	4808	1/1	0.98	0.50	6.98	61,61,61,61	0
59	MG	AA	3528	1/1	0.96	0.56	6.96	46,46,46,46	0
59	MG	DA	3419	1/1	0.88	0.18	6.94	32,32,32,32	0
59	MG	DA	4737	1/1	0.90	0.22	6.90	85,85,85,85	0
59	MG	BA	2117	1/1	0.90	0.25	6.89	109,109,109,109	0
59	MG	D2	208	1/1	0.89	0.36	6.82	71,71,71,71	0
59	MG	AA	3459	1/1	0.99	0.32	6.82	30,30,30,30	0
59	MG	BA	1774	1/1	0.76	0.19	6.79	53,53,53,53	0
59	MG	CA	1958	1/1	0.93	0.18	6.75	75,75,75,75	0
59	MG	DA	3115	1/1	0.94	0.23	6.73	34,34,34,34	0
59	MG	DA	4588	1/1	0.90	0.38	6.70	41,41,41,41	0
59	MG	A1	202	1/1	0.93	0.46	6.63	61,61,61,61	0
59	MG	DA	4003	1/1	0.95	0.38	6.59	39,39,39,39	0
59	MG	AD	303	1/1	0.92	0.52	6.56	62,62,62,62	0
59	MG	DA	3001	1/1	0.99	0.25	6.55	8,8,8,8	0
59	MG	AA	3640	1/1	0.92	0.22	6.52	45,45,45,45	0
59	MG	DA	3358	1/1	0.98	0.27	6.50	23,23,23,23	0
59	MG	DB	274	1/1	0.71	0.21	6.42	79,79,79,79	0
59	MG	AA	3398	1/1	0.96	0.24	6.38	30,30,30,30	0
59	MG	DA	3060	1/1	0.97	0.26	6.35	19,19,19,19	0
59	MG	CA	2255	1/1	0.81	0.29	6.32	95,95,95,95	0
59	MG	A8	104	1/1	0.87	0.29	6.27	68,68,68,68	0
59	MG	D1	211	1/1	0.90	0.33	6.26	49,49,49,49	0
59	MG	D1	206	1/1	0.72	0.28	6.19	68,68,68,68	0
59	MG	DA	3830	1/1	0.97	0.56	6.15	39,39,39,39	0
59	MG	DM	202	1/1	0.71	0.43	6.09	48,48,48,48	0
59	MG	AA	3477	1/1	0.83	0.28	6.07	65,65,65,65	0
59	MG	CA	1906	1/1	0.95	0.23	6.06	50,50,50,50	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	4137	1/1	0.54	0.26	6.06	90,90,90,90	0
59	MG	CA	1861	1/1	0.88	0.22	6.03	87,87,87,87	0
59	MG	DA	3471	1/1	0.84	0.21	6.00	27,27,27,27	0
59	MG	BA	1721	1/1	0.85	0.19	6.00	71,71,71,71	0
59	MG	DA	3018	1/1	0.94	0.24	5.98	20,20,20,20	0
59	MG	DR	202	1/1	0.92	0.51	5.96	60,60,60,60	0
59	MG	DA	3660	1/1	0.82	0.19	5.94	46,46,46,46	0
59	MG	DF	307	1/1	0.96	0.38	5.88	27,27,27,27	0
59	MG	DA	4703	1/1	0.94	0.30	5.87	49,49,49,49	0
59	MG	CA	2091	1/1	0.93	0.25	5.86	68,68,68,68	0
59	MG	CS	106	1/1	0.51	0.33	5.85	77,77,77,77	0
59	MG	CA	1708	1/1	0.89	0.19	5.85	58,58,58,58	0
59	MG	DA	4669	1/1	0.96	0.26	5.84	71,71,71,71	0
59	MG	AA	3551	1/1	0.95	0.35	5.83	44,44,44,44	0
59	MG	BT	201	1/1	0.92	0.45	5.81	110,110,110,110	0
59	MG	DA	3405	1/1	0.89	0.22	5.77	43,43,43,43	0
59	MG	DA	3033	1/1	0.99	0.28	5.74	13,13,13,13	0
59	MG	DA	3475	1/1	0.93	0.23	5.73	51,51,51,51	0
59	MG	CA	1981	1/1	0.82	0.20	5.72	78,78,78,78	0
59	MG	AA	3010	1/1	0.97	0.22	5.69	19,19,19,19	0
59	MG	DA	3903	1/1	0.97	0.27	5.69	42,42,42,42	0
59	MG	BA	1777	1/1	0.83	0.23	5.68	57,57,57,57	0
59	MG	DA	4093	1/1	0.93	0.25	5.65	85,85,85,85	0
59	MG	DU	210	1/1	0.92	0.42	5.60	107,107,107,107	0
59	MG	DA	3447	1/1	0.83	0.22	5.59	48,48,48,48	0
59	MG	DB	224	1/1	0.92	0.24	5.56	51,51,51,51	0
59	MG	AA	3101	1/1	0.97	0.29	5.56	38,38,38,38	0
59	MG	DA	4726	1/1	0.88	0.28	5.52	71,71,71,71	0
59	MG	DT	106	1/1	0.81	0.49	5.51	69,69,69,69	0
59	MG	DA	4603	1/1	0.88	0.23	5.46	55,55,55,55	0
59	MG	DA	3172	1/1	0.89	0.28	5.44	37,37,37,37	0
59	MG	BA	1602	1/1	0.95	0.20	5.41	20,20,20,20	0
59	MG	DA	3046	1/1	0.93	0.30	5.41	12,12,12,12	0
59	MG	CA	1766	1/1	0.84	0.22	5.41	59,59,59,59	0
59	MG	BA	1722	1/1	0.69	0.29	5.35	54,54,54,54	0
59	MG	BA	2263	1/1	0.94	0.23	5.32	71,71,71,71	0
59	MG	DA	4508	1/1	0.89	0.32	5.32	58,58,58,58	0
59	MG	DA	4767	1/1	0.98	0.28	5.32	52,52,52,52	0
59	MG	AA	3132	1/1	0.97	0.27	5.23	44,44,44,44	0
59	MG	DA	3930	1/1	0.93	0.22	5.23	72,72,72,72	0
59	MG	DO	217	1/1	0.94	0.35	5.20	52,52,52,52	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4100	1/1	0.78	0.23	5.19	72,72,72,72	0
59	MG	AA	4155	1/1	0.73	0.23	5.18	80,80,80,80	0
59	MG	DA	3809	1/1	0.84	0.20	5.13	82,82,82,82	0
59	MG	DD	301	1/1	0.87	0.41	5.10	45,45,45,45	0
59	MG	BA	1702	1/1	0.97	0.22	5.06	33,33,33,33	0
59	MG	DA	4151	1/1	0.80	0.25	5.04	66,66,66,66	0
59	MG	DA	4685	1/1	0.85	0.21	4.93	64,64,64,64	0
59	MG	DA	3184	1/1	0.88	0.27	4.89	40,40,40,40	0
59	MG	CA	2177	1/1	0.96	0.19	4.85	116,116,116,116	0
59	MG	AA	3706	1/1	0.95	0.21	4.84	44,44,44,44	0
59	MG	CA	2244	1/1	0.99	0.18	4.81	126,126,126,126	0
59	MG	AT	101	1/1	0.82	0.55	4.79	70,70,70,70	0
59	MG	DF	302	1/1	0.92	0.27	4.75	46,46,46,46	0
59	MG	D0	211	1/1	0.68	0.33	4.72	89,89,89,89	0
59	MG	D1	201	1/1	0.78	0.24	4.70	49,49,49,49	0
59	MG	DA	4701	1/1	0.62	0.30	4.68	64,64,64,64	0
59	MG	DA	3177	1/1	0.95	0.24	4.65	39,39,39,39	0
59	MG	AA	4007	1/1	0.72	0.30	4.62	94,94,94,94	0
59	MG	DA	3542	1/1	0.90	0.25	4.61	51,51,51,51	0
59	MG	DA	4454	1/1	0.76	0.54	4.59	51,51,51,51	0
59	MG	DA	3189	1/1	0.85	0.22	4.58	26,26,26,26	0
59	MG	DA	4210	1/1	0.86	0.21	4.56	53,53,53,53	0
59	MG	DA	4402	1/1	0.97	0.48	4.53	35,35,35,35	0
59	MG	AA	3821	1/1	0.68	0.17	4.53	69,69,69,69	0
59	MG	DA	3970	1/1	0.93	0.22	4.50	50,50,50,50	0
59	MG	BA	2170	1/1	0.58	0.38	4.46	151,151,151,151	0
59	MG	DA	3414	1/1	0.88	0.25	4.44	45,45,45,45	0
59	MG	DT	104	1/1	0.90	0.33	4.40	74,74,74,74	0
59	MG	DO	211	1/1	0.79	0.30	4.39	53,53,53,53	0
59	MG	BA	1719	1/1	0.93	0.18	4.37	43,43,43,43	0
59	MG	DA	4172	1/1	0.99	0.23	4.36	41,41,41,41	0
59	MG	BA	1696	1/1	0.62	0.17	4.35	73,73,73,73	0
59	MG	CA	2238	1/1	0.90	0.26	4.33	65,65,65,65	0
59	MG	DA	3511	1/1	0.80	0.30	4.32	42,42,42,42	0
59	MG	CA	1643	1/1	0.96	0.22	4.31	51,51,51,51	0
59	MG	DA	4743	1/1	0.97	0.29	4.24	96,96,96,96	0
59	MG	BA	2187	1/1	0.39	0.24	4.23	107,107,107,107	0
59	MG	AA	3235	1/1	0.84	0.21	4.20	48,48,48,48	0
59	MG	DA	3240	1/1	0.96	0.22	4.20	32,32,32,32	0
59	MG	BK	202	1/1	0.83	0.30	4.19	80,80,80,80	0
59	MG	CA	1628	1/1	0.92	0.36	4.16	42,42,42,42	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1752	1/1	0.92	0.18	4.10	48,48,48,48	0
59	MG	DA	3069	1/1	0.96	0.29	4.10	16,16,16,16	0
59	MG	AE	302	1/1	0.89	0.39	4.05	74,74,74,74	0
59	MG	DA	4913	1/1	0.96	0.22	4.05	74,74,74,74	0
59	MG	AA	3331	1/1	0.96	0.20	4.03	41,41,41,41	0
59	MG	DA	3729	1/1	0.97	0.23	4.03	52,52,52,52	0
59	MG	DA	3856	1/1	0.80	0.26	4.00	70,70,70,70	0
59	MG	DD	307	1/1	0.89	0.34	3.99	50,50,50,50	0
59	MG	DA	3245	1/1	0.83	0.24	3.99	41,41,41,41	0
59	MG	DA	3626	1/1	0.77	0.19	3.99	84,84,84,84	0
59	MG	CA	1604	1/1	0.93	0.24	3.98	10,10,10,10	0
59	MG	AA	3629	1/1	0.97	0.25	3.96	45,45,45,45	0
59	MG	DA	3078	1/1	0.93	0.26	3.96	17,17,17,17	0
59	MG	DA	4135	1/1	0.97	0.27	3.92	59,59,59,59	0
59	MG	AA	3523	1/1	0.98	0.23	3.90	42,42,42,42	0
59	MG	BM	201	1/1	0.72	0.23	3.88	64,64,64,64	0
59	MG	BA	2078	1/1	0.95	0.18	3.84	79,79,79,79	0
59	MG	AA	3576	1/1	0.84	0.17	3.78	37,37,37,37	0
59	MG	AA	3643	1/1	0.91	0.26	3.76	61,61,61,61	0
59	MG	AA	3048	1/1	0.98	0.20	3.72	41,41,41,41	0
59	MG	DA	3040	1/1	0.98	0.23	3.69	14,14,14,14	0
59	MG	DA	4830	1/1	0.90	0.30	3.64	64,64,64,64	0
59	MG	DA	3305	1/1	0.95	0.18	3.63	21,21,21,21	0
59	MG	CA	1638	1/1	0.83	0.22	3.63	51,51,51,51	0
59	MG	BA	1999	1/1	0.91	0.19	3.61	77,77,77,77	0
59	MG	BA	1642	1/1	0.81	0.17	3.58	45,45,45,45	0
59	MG	AA	3224	1/1	0.73	0.18	3.55	63,63,63,63	0
59	MG	CA	2017	1/1	0.86	0.22	3.53	57,57,57,57	0
59	MG	DA	3421	1/1	0.91	0.21	3.53	56,56,56,56	0
59	MG	BA	2131	1/1	0.86	0.18	3.50	61,61,61,61	0
59	MG	BA	2164	1/1	0.74	0.15	3.49	78,78,78,78	0
59	MG	DA	3241	1/1	0.96	0.22	3.48	20,20,20,20	0
59	MG	AA	3210	1/1	0.85	0.18	3.48	39,39,39,39	0
59	MG	AA	3714	1/1	0.82	0.20	3.48	70,70,70,70	0
59	MG	DA	4078	1/1	0.95	0.21	3.45	65,65,65,65	0
59	MG	BA	1692	1/1	0.93	0.23	3.37	34,34,34,34	0
59	MG	AA	4026	1/1	0.91	0.20	3.30	53,53,53,53	0
59	MG	DA	4459	1/1	0.96	0.33	3.30	35,35,35,35	0
59	MG	DA	3579	1/1	0.97	0.24	3.27	21,21,21,21	0
59	MG	DA	3082	1/1	0.99	0.23	3.27	27,27,27,27	0
59	MG	DA	4843	1/1	0.93	0.30	3.23	72,72,72,72	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4437	1/1	0.94	0.25	3.23	27,27,27,27	0
59	MG	D1	204	1/1	0.97	0.23	3.20	59,59,59,59	0
59	MG	DA	3712	1/1	0.95	0.20	3.17	25,25,25,25	0
59	MG	AA	3824	1/1	0.64	0.21	3.16	94,94,94,94	0
59	MG	BA	2146	1/1	0.86	0.27	3.15	81,81,81,81	0
59	MG	DA	5008	1/1	0.91	0.25	3.14	57,57,57,57	0
59	MG	DA	4393	1/1	0.95	0.18	3.12	53,53,53,53	0
59	MG	DA	3737	1/1	0.97	0.23	3.12	36,36,36,36	0
59	MG	AA	3385	1/1	0.96	0.18	3.09	34,34,34,34	0
59	MG	DA	3572	1/1	0.86	0.22	3.09	51,51,51,51	0
59	MG	DB	205	1/1	0.96	0.20	3.07	27,27,27,27	0
59	MG	CA	1688	1/1	0.92	0.18	3.07	42,42,42,42	0
59	MG	DA	4640	1/1	0.93	0.21	3.05	66,66,66,66	0
59	MG	D3	105	1/1	0.95	0.32	3.03	48,48,48,48	0
59	MG	DA	4133	1/1	0.85	0.19	2.97	47,47,47,47	0
59	MG	CA	1605	1/1	0.95	0.19	2.96	36,36,36,36	0
59	MG	DA	3093	1/1	0.95	0.20	2.95	13,13,13,13	0
59	MG	DA	3284	1/1	0.90	0.20	2.92	27,27,27,27	0
59	MG	DA	3956	1/1	0.98	0.27	2.88	45,45,45,45	0
59	MG	DA	4531	1/1	0.97	0.23	2.86	57,57,57,57	0
59	MG	DA	3043	1/1	0.99	0.23	2.84	23,23,23,23	0
59	MG	CA	1695	1/1	0.93	0.23	2.82	50,50,50,50	0
59	MG	DA	3049	1/1	0.94	0.20	2.78	25,25,25,25	0
59	MG	AA	3178	1/1	0.91	0.23	2.77	41,41,41,41	0
59	MG	CA	2157	1/1	0.90	0.21	2.76	79,79,79,79	0
59	MG	DO	208	1/1	0.94	0.23	2.76	59,59,59,59	0
59	MG	CT	202	1/1	0.50	0.23	2.75	85,85,85,85	0
59	MG	DA	3144	1/1	0.95	0.20	2.75	36,36,36,36	0
59	MG	CA	2323	1/1	0.94	0.31	2.74	88,88,88,88	0
59	MG	AA	3976	1/1	0.84	0.20	2.74	86,86,86,86	0
59	MG	DA	4878	1/1	0.91	0.29	2.72	50,50,50,50	0
59	MG	DD	309	1/1	0.93	0.26	2.71	57,57,57,57	0
59	MG	AA	3255	1/1	0.88	0.21	2.67	46,46,46,46	0
59	MG	DE	309	1/1	0.86	0.45	2.65	49,49,49,49	0
59	MG	CA	2041	1/1	0.81	0.16	2.65	64,64,64,64	0
59	MG	AA	3955	1/1	0.89	0.30	2.64	66,66,66,66	0
59	MG	CA	1629	1/1	0.98	0.22	2.62	34,34,34,34	0
59	MG	DA	4671	1/1	0.94	0.22	2.62	72,72,72,72	0
59	MG	DA	3351	1/1	0.95	0.22	2.62	39,39,39,39	0
59	MG	AA	3749	1/1	0.86	0.36	2.62	33,33,33,33	0
59	MG	DA	3073	1/1	0.95	0.21	2.58	16,16,16,16	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4226	1/1	0.95	0.19	2.57	45,45,45,45	0
59	MG	CG	308	1/1	0.90	0.26	2.57	100,100,100,100	0
59	MG	CA	1910	1/1	0.84	0.24	2.54	54,54,54,54	0
59	MG	AA	3216	1/1	0.95	0.21	2.52	40,40,40,40	0
59	MG	CA	1607	1/1	0.98	0.21	2.51	20,20,20,20	0
59	MG	AA	3057	1/1	0.99	0.19	2.50	49,49,49,49	0
59	MG	DB	216	1/1	0.78	0.18	2.48	43,43,43,43	0
59	MG	DA	4499	1/1	0.93	0.21	2.45	51,51,51,51	0
59	MG	DA	3369	1/1	0.97	0.21	2.42	16,16,16,16	0
59	MG	DA	3899	1/1	0.98	0.20	2.41	8,8,8,8	0
59	MG	DA	3281	1/1	0.89	0.21	2.40	38,38,38,38	0
59	MG	CA	1706	1/1	0.94	0.19	2.38	41,41,41,41	0
59	MG	DA	4410	1/1	0.97	0.26	2.37	59,59,59,59	0
59	MG	DA	3035	1/1	0.97	0.20	2.37	15,15,15,15	0
59	MG	AA	3803	1/1	0.93	0.17	2.35	72,72,72,72	0
59	MG	AA	3396	1/1	0.78	0.17	2.31	58,58,58,58	0
59	MG	BA	2274	1/1	0.80	0.17	2.31	82,82,82,82	0
59	MG	BA	2083	1/1	0.81	0.17	2.31	86,86,86,86	0
59	MG	BA	1695	1/1	0.92	0.18	2.30	44,44,44,44	0
59	MG	DA	4157	1/1	0.98	0.23	2.30	37,37,37,37	0
59	MG	DA	4249	1/1	0.95	0.29	2.29	55,55,55,55	0
59	MG	CA	2314	1/1	0.47	0.29	2.24	92,92,92,92	0
59	MG	DB	248	1/1	0.92	0.18	2.24	76,76,76,76	0
59	MG	BA	1838	1/1	0.96	0.16	2.23	91,91,91,91	0
59	MG	DA	3169	1/1	0.85	0.17	2.21	59,59,59,59	0
59	MG	DA	4489	1/1	0.94	0.20	2.19	42,42,42,42	0
59	MG	DA	4425	1/1	0.95	0.27	2.18	109,109,109,109	0
59	MG	DA	4197	1/1	0.94	0.19	2.17	51,51,51,51	0
59	MG	CA	2207	1/1	0.96	0.15	2.16	70,70,70,70	0
59	MG	D8	102	1/1	0.96	0.40	2.11	37,37,37,37	0
59	MG	DA	4566	1/1	0.88	0.18	2.10	64,64,64,64	0
59	MG	BA	1887	1/1	0.93	0.17	2.09	56,56,56,56	0
59	MG	CA	2274	1/1	0.88	0.16	2.07	54,54,54,54	0
59	MG	DA	4371	1/1	0.94	0.26	2.05	57,57,57,57	0
59	MG	CA	2132	1/1	0.56	0.16	2.04	80,80,80,80	0
59	MG	CE	302	1/1	0.69	0.30	2.04	98,98,98,98	0
59	MG	BW	201	1/1	0.82	0.17	2.02	88,88,88,88	0
59	MG	DS	203	1/1	0.89	0.28	2.00	54,54,54,54	0
59	MG	CA	1752	1/1	0.85	0.16	1.99	53,53,53,53	0
59	MG	DA	3042	1/1	0.92	0.20	1.98	21,21,21,21	0
59	MG	DA	3614	1/1	0.94	0.20	1.98	53,53,53,53	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3621	1/1	0.71	0.19	1.97	51,51,51,51	0
59	MG	DA	3105	1/1	0.98	0.19	1.96	16,16,16,16	0
59	MG	DA	3639	1/1	0.92	0.21	1.96	66,66,66,66	0
59	MG	AA	3567	1/1	0.56	0.18	1.96	82,82,82,82	0
59	MG	AA	3185	1/1	0.91	0.20	1.90	29,29,29,29	0
59	MG	AA	3725	1/1	0.76	0.21	1.90	89,89,89,89	0
59	MG	AA	3315	1/1	0.83	0.16	1.88	49,49,49,49	0
59	MG	CA	1902	1/1	0.88	0.21	1.84	52,52,52,52	0
59	MG	DA	4139	1/1	0.88	0.21	1.84	36,36,36,36	0
59	MG	DA	3449	1/1	0.95	0.22	1.84	50,50,50,50	0
59	MG	DA	3149	1/1	0.90	0.19	1.84	18,18,18,18	0
59	MG	AA	3184	1/1	0.94	0.23	1.81	49,49,49,49	0
59	MG	BA	1609	1/1	0.95	0.16	1.81	36,36,36,36	0
59	MG	CA	2141	1/1	0.95	0.18	1.80	60,60,60,60	0
59	MG	DA	4679	1/1	0.89	0.18	1.79	47,47,47,47	0
59	MG	DA	4986	1/1	0.80	0.20	1.79	63,63,63,63	0
59	MG	DA	3960	1/1	0.91	0.16	1.78	54,54,54,54	0
59	MG	BA	1945	1/1	0.92	0.14	1.77	56,56,56,56	0
59	MG	BA	2219	1/1	0.80	0.17	1.74	60,60,60,60	0
59	MG	DA	3368	1/1	0.90	0.18	1.74	31,31,31,31	0
59	MG	CJ	201	1/1	0.77	0.27	1.69	89,89,89,89	0
59	MG	DF	316	1/1	0.93	0.21	1.62	84,84,84,84	0
59	MG	D2	206	1/1	0.92	0.21	1.60	55,55,55,55	0
59	MG	DA	3076	1/1	0.96	0.24	1.60	13,13,13,13	0
59	MG	AA	3001	1/1	0.98	0.18	1.58	21,21,21,21	0
59	MG	AA	3021	1/1	0.96	0.23	1.57	26,26,26,26	0
59	MG	DA	4150	1/1	0.97	0.18	1.56	47,47,47,47	0
59	MG	BA	1819	1/1	0.96	0.17	1.55	61,61,61,61	0
59	MG	CA	1701	1/1	0.86	0.19	1.55	56,56,56,56	0
59	MG	DA	3191	1/1	0.82	0.20	1.55	60,60,60,60	0
59	MG	DA	3003	1/1	0.95	0.20	1.53	11,11,11,11	0
59	MG	DA	4409	1/1	0.84	0.25	1.52	75,75,75,75	0
59	MG	BK	204	1/1	0.75	0.24	1.51	74,74,74,74	0
59	MG	BA	1840	1/1	0.56	0.14	1.48	156,156,156,156	0
59	MG	CA	1648	1/1	0.88	0.17	1.48	36,36,36,36	0
59	MG	DA	3560	1/1	0.87	0.19	1.46	36,36,36,36	0
59	MG	DA	3627	1/1	0.88	0.20	1.45	40,40,40,40	0
59	MG	CA	1744	1/1	0.90	0.18	1.45	55,55,55,55	0
59	MG	DA	4526	1/1	0.73	0.27	1.44	53,53,53,53	0
59	MG	AA	3032	1/1	0.94	0.19	1.43	28,28,28,28	0
59	MG	AA	3698	1/1	0.75	0.18	1.42	64,64,64,64	0
59	MG	DA	3897	1/1	0.95	0.18	1.42	27,27,27,27	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DG	201	1/1	0.87	0.26	1.40	68,68,68,68	0
59	MG	AA	3339	1/1	0.94	0.13	1.35	50,50,50,50	0
59	MG	BA	2246	1/1	0.87	0.19	1.31	125,125,125,125	0
59	MG	AF	304	1/1	0.98	0.28	1.30	42,42,42,42	0
59	MG	DA	4752	1/1	0.78	0.20	1.27	84,84,84,84	0
59	MG	CG	309	1/1	0.84	0.36	1.24	78,78,78,78	0
59	MG	DA	3480	1/1	0.90	0.18	1.23	46,46,46,46	0
59	MG	DE	315	1/1	0.95	0.36	1.22	77,77,77,77	0
59	MG	DA	3198	1/1	0.94	0.17	1.22	21,21,21,21	0
59	MG	D2	203	1/1	0.99	0.19	1.21	57,57,57,57	0
59	MG	BA	2214	1/1	0.99	0.15	1.20	90,90,90,90	0
59	MG	BW	207	1/1	0.69	0.16	1.20	85,85,85,85	0
59	MG	AA	4039	1/1	0.93	0.16	1.19	95,95,95,95	0
59	MG	DA	3714	1/1	0.89	0.25	1.18	21,21,21,21	0
59	MG	DA	4310	1/1	0.83	0.19	1.16	56,56,56,56	0
60	ZN	D4	103	1/1	0.91	0.36	1.15	200,200,200,200	0
59	MG	DA	4801	1/1	0.86	0.17	1.14	54,54,54,54	0
59	MG	DA	3058	1/1	0.99	0.19	1.14	15,15,15,15	0
59	MG	AA	3397	1/1	0.74	0.17	1.14	56,56,56,56	0
59	MG	AA	3358	1/1	0.87	0.15	1.13	95,95,95,95	0
59	MG	CA	1933	1/1	0.96	0.18	1.13	60,60,60,60	0
59	MG	CG	311	1/1	0.93	0.20	1.12	150,150,150,150	0
59	MG	BA	1683	1/1	0.87	0.15	1.12	51,51,51,51	0
59	MG	A2	201	1/1	0.77	0.31	1.09	66,66,66,66	0
59	MG	AA	3957	1/1	0.92	0.15	1.08	74,74,74,74	0
59	MG	DA	3226	1/1	0.88	0.21	1.08	44,44,44,44	0
59	MG	DA	4756	1/1	0.97	0.18	1.05	57,57,57,57	0
59	MG	AT	104	1/1	0.93	0.29	1.02	89,89,89,89	0
59	MG	DB	221	1/1	0.98	0.17	1.02	35,35,35,35	0
59	MG	DA	3868	1/1	0.95	0.28	1.01	72,72,72,72	0
59	MG	CA	1929	1/1	0.76	0.19	1.01	40,40,40,40	0
59	MG	D7	102	1/1	0.97	0.23	1.00	41,41,41,41	0
59	MG	DA	3697	1/1	0.99	0.18	1.00	6,6,6,6	0
59	MG	DA	3640	1/1	0.85	0.18	0.99	54,54,54,54	0
59	MG	DA	4173	1/1	0.85	0.18	0.99	60,60,60,60	0
59	MG	AA	3850	1/1	0.97	0.25	0.95	41,41,41,41	0
59	MG	CS	105	1/1	0.92	0.14	0.94	69,69,69,69	0
59	MG	BA	2010	1/1	0.63	0.17	0.93	61,61,61,61	0
59	MG	AA	3033	1/1	0.97	0.23	0.91	41,41,41,41	0
59	MG	AA	3817	1/1	0.74	0.17	0.91	66,66,66,66	0
59	MG	BA	1611	1/1	0.98	0.16	0.90	37,37,37,37	0
59	MG	DA	3156	1/1	0.96	0.24	0.90	27,27,27,27	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3952	1/1	0.96	0.19	0.89	71,71,71,71	0
59	MG	DA	3893	1/1	0.98	0.17	0.88	7,7,7,7	0
59	MG	DA	3297	1/1	0.99	0.20	0.86	27,27,27,27	0
59	MG	CA	1895	1/1	0.93	0.15	0.86	58,58,58,58	0
59	MG	AA	3618	1/1	0.93	0.15	0.85	89,89,89,89	0
59	MG	AA	3005	1/1	0.89	0.20	0.84	17,17,17,17	0
59	MG	AA	3988	1/1	0.86	0.27	0.84	64,64,64,64	0
59	MG	BA	1880	1/1	0.96	0.16	0.84	60,60,60,60	0
59	MG	AA	3508	1/1	0.66	0.21	0.79	61,61,61,61	0
59	MG	AA	3108	1/1	0.97	0.18	0.79	41,41,41,41	0
59	MG	DA	3503	1/1	0.65	0.20	0.77	71,71,71,71	0
59	MG	CA	2042	1/1	0.77	0.15	0.77	57,57,57,57	0
59	MG	CA	2052	1/1	0.93	0.18	0.77	54,54,54,54	0
59	MG	CA	1903	1/1	0.94	0.14	0.76	56,56,56,56	0
59	MG	CC	120	1/1	0.90	0.28	0.75	44,44,44,44	0
59	MG	DA	3810	1/1	0.97	0.18	0.75	39,39,39,39	0
59	MG	AR	205	1/1	0.86	0.25	0.75	54,54,54,54	0
59	MG	DA	3028	1/1	0.98	0.20	0.75	18,18,18,18	0
59	MG	AA	3176	1/1	0.95	0.20	0.69	33,33,33,33	0
59	MG	CA	1725	1/1	0.92	0.18	0.66	55,55,55,55	0
59	MG	DA	4774	1/1	0.93	0.16	0.64	70,70,70,70	0
59	MG	CA	1609	1/1	0.97	0.15	0.64	31,31,31,31	0
59	MG	DA	4247	1/1	0.91	0.17	0.64	48,48,48,48	0
59	MG	BA	1985	1/1	0.54	0.16	0.63	105,105,105,105	0
59	MG	AA	3112	1/1	0.99	0.18	0.62	102,102,102,102	0
59	MG	DA	3411	1/1	0.84	0.20	0.62	56,56,56,56	0
59	MG	CA	2164	1/1	0.80	0.18	0.61	103,103,103,103	0
59	MG	DA	3097	1/1	0.96	0.17	0.61	21,21,21,21	0
59	MG	BA	2096	1/1	0.87	0.27	0.59	51,51,51,51	0
59	MG	AA	3675	1/1	0.72	0.15	0.57	71,71,71,71	0
59	MG	DA	3238	1/1	0.97	0.17	0.57	18,18,18,18	0
59	MG	AA	3948	1/1	0.70	0.16	0.53	72,72,72,72	0
59	MG	BA	1922	1/1	0.90	0.11	0.52	71,71,71,71	0
59	MG	AA	3626	1/1	0.93	0.22	0.51	48,48,48,48	0
59	MG	AA	3461	1/1	0.87	0.19	0.51	58,58,58,58	0
59	MG	AA	3251	1/1	0.98	0.18	0.49	24,24,24,24	0
59	MG	CQ	102	1/1	0.97	0.19	0.49	51,51,51,51	0
60	ZN	BG	308	1/1	0.99	0.25	0.48	71,71,71,71	0
59	MG	CA	1700	1/1	0.65	0.18	0.47	39,39,39,39	0
59	MG	DA	4014	1/1	0.94	0.22	0.47	50,50,50,50	0
60	ZN	CG	301	1/1	0.96	0.24	0.46	74,74,74,74	0
59	MG	AA	3105	1/1	0.92	0.21	0.43	50,50,50,50	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3561	1/1	0.89	0.20	0.41	51,51,51,51	0
59	MG	DA	3009	1/1	0.99	0.18	0.41	10,10,10,10	0
59	MG	AA	3006	1/1	0.98	0.18	0.40	14,14,14,14	0
59	MG	AA	3500	1/1	0.98	0.18	0.36	22,22,22,22	0
59	MG	CA	2276	1/1	0.97	0.16	0.35	69,69,69,69	0
59	MG	DZ	105	1/1	0.94	0.40	0.35	54,54,54,54	0
60	ZN	A4	101	1/1	0.64	0.59	0.35	200,200,200,200	0
59	MG	CK	208	1/1	0.69	0.21	0.34	69,69,69,69	0
59	MG	DA	3131	1/1	0.90	0.17	0.34	32,32,32,32	0
59	MG	DA	4507	1/1	0.94	0.16	0.34	88,88,88,88	0
59	MG	DA	4405	1/1	0.85	0.17	0.33	40,40,40,40	0
59	MG	CK	209	1/1	0.73	0.20	0.33	60,60,60,60	0
59	MG	DA	4736	1/1	0.94	0.17	0.31	77,77,77,77	0
59	MG	CA	2171	1/1	0.91	0.14	0.30	115,115,115,115	0
59	MG	BA	2052	1/1	0.58	0.14	0.29	128,128,128,128	0
59	MG	CH	206	1/1	0.92	0.18	0.29	70,70,70,70	0
59	MG	AA	4071	1/1	0.97	0.17	0.29	70,70,70,70	0
59	MG	CA	1710	1/1	0.91	0.17	0.29	30,30,30,30	0
59	MG	AB	207	1/1	0.77	0.16	0.27	74,74,74,74	0
59	MG	AA	3614	1/1	0.92	0.14	0.27	62,62,62,62	0
59	MG	AA	3207	1/1	0.97	0.20	0.24	30,30,30,30	0
59	MG	DA	4583	1/1	0.87	0.17	0.23	51,51,51,51	0
59	MG	AA	3503	1/1	0.91	0.17	0.22	23,23,23,23	0
59	MG	AA	3543	1/1	0.84	0.14	0.22	77,77,77,77	0
59	MG	AE	304	1/1	0.87	0.19	0.22	83,83,83,83	0
59	MG	AA	3533	1/1	0.86	0.18	0.21	44,44,44,44	0
59	MG	DA	3300	1/1	0.97	0.17	0.20	27,27,27,27	0
59	MG	CA	2215	1/1	0.87	0.19	0.20	63,63,63,63	0
59	MG	BS	109	1/1	0.84	0.15	0.20	110,110,110,110	0
59	MG	DE	301	1/1	0.94	0.18	0.20	19,19,19,19	0
59	MG	AA	3504	1/1	0.99	0.16	0.20	31,31,31,31	0
59	MG	BE	303	1/1	0.88	0.16	0.18	94,94,94,94	0
59	MG	AA	3511	1/1	0.95	0.15	0.18	26,26,26,26	0
59	MG	AA	3916	1/1	0.99	0.15	0.17	93,93,93,93	0
59	MG	AB	220	1/1	0.79	0.17	0.16	79,79,79,79	0
59	MG	CG	307	1/1	0.82	0.14	0.15	106,106,106,106	0
59	MG	CA	2230	1/1	0.68	0.14	0.12	92,92,92,92	0
59	MG	CA	1955	1/1	0.49	0.18	0.12	58,58,58,58	0
59	MG	AZ	102	1/1	0.79	0.22	0.11	50,50,50,50	0
59	MG	DA	4335	1/1	0.93	0.20	0.10	50,50,50,50	0
59	MG	AA	3549	1/1	0.90	0.17	0.10	44,44,44,44	0
59	MG	BA	2076	1/1	0.91	0.13	0.09	85,85,85,85	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3925	1/1	0.86	0.17	0.09	71,71,71,71	0
59	MG	AA	3557	1/1	0.86	0.32	0.07	89,89,89,89	0
59	MG	D0	204	1/1	0.93	0.19	0.06	27,27,27,27	0
59	MG	AA	3633	1/1	0.71	0.21	0.04	41,41,41,41	0
59	MG	CA	1620	1/1	0.95	0.15	0.04	39,39,39,39	0
59	MG	CA	1905	1/1	0.86	0.15	0.04	81,81,81,81	0
59	MG	BA	2275	1/1	0.44	0.17	0.03	145,145,145,145	0
59	MG	CA	1614	1/1	0.95	0.21	0.01	41,41,41,41	0
59	MG	DA	4034	1/1	0.91	0.40	0.01	71,71,71,71	0
59	MG	BA	2092	1/1	0.86	0.15	0.01	77,77,77,77	0
59	MG	D8	107	1/1	0.97	0.22	-0.00	44,44,44,44	0
59	MG	AA	3544	1/1	0.84	0.19	-0.01	62,62,62,62	0
59	MG	AA	3106	1/1	0.90	0.18	-0.01	17,17,17,17	0
59	MG	AA	3177	1/1	0.98	0.19	-0.02	26,26,26,26	0
59	MG	D3	103	1/1	0.89	0.22	-0.02	23,23,23,23	0
59	MG	DA	4677	1/1	0.93	0.18	-0.04	61,61,61,61	0
59	MG	DS	208	1/1	0.97	0.18	-0.04	54,54,54,54	0
59	MG	BA	2181	1/1	0.93	0.17	-0.05	93,93,93,93	0
59	MG	AA	3751	1/1	0.85	0.22	-0.05	48,48,48,48	0
59	MG	AA	4038	1/1	0.94	0.14	-0.06	77,77,77,77	0
59	MG	CA	2161	1/1	0.94	0.19	-0.10	96,96,96,96	0
59	MG	AD	313	1/1	0.96	0.18	-0.10	39,39,39,39	0
59	MG	CA	2040	1/1	0.88	0.15	-0.11	56,56,56,56	0
59	MG	AD	307	1/1	0.91	0.19	-0.12	51,51,51,51	0
59	MG	DA	3228	1/1	0.92	0.16	-0.12	36,36,36,36	0
59	MG	DA	4198	1/1	0.97	0.17	-0.13	45,45,45,45	0
59	MG	DB	246	1/1	0.81	0.17	-0.14	52,52,52,52	0
59	MG	AA	3526	1/1	0.81	0.14	-0.14	75,75,75,75	0
59	MG	CA	1928	1/1	0.80	0.16	-0.15	78,78,78,78	0
59	MG	AB	232	1/1	0.93	0.27	-0.15	70,70,70,70	0
59	MG	BL	202	1/1	0.69	0.14	-0.16	64,64,64,64	0
59	MG	AB	229	1/1	0.62	0.14	-0.17	67,67,67,67	0
59	MG	DA	3096	1/1	0.93	0.15	-0.18	7,7,7,7	0
59	MG	AA	3534	1/1	0.94	0.18	-0.19	32,32,32,32	0
59	MG	CA	1619	1/1	0.98	0.16	-0.20	24,24,24,24	0
59	MG	DP	201	1/1	0.92	0.19	-0.20	29,29,29,29	0
59	MG	CE	304	1/1	0.92	0.12	-0.20	62,62,62,62	0
59	MG	AA	3011	1/1	0.98	0.18	-0.20	17,17,17,17	0
59	MG	AA	3734	1/1	0.95	0.25	-0.20	49,49,49,49	0
59	MG	DK	201	1/1	0.89	0.24	-0.21	71,71,71,71	0
59	MG	CK	205	1/1	0.77	0.16	-0.22	75,75,75,75	0
59	MG	DA	3163	1/1	0.93	0.18	-0.22	39,39,39,39	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CD	106	1/1	0.81	0.27	-0.22	88,88,88,88	0
59	MG	CA	1914	1/1	0.85	0.12	-0.23	58,58,58,58	0
59	MG	AA	4114	1/1	0.94	0.16	-0.23	92,92,92,92	0
59	MG	DA	3231	1/1	0.92	0.15	-0.25	9,9,9,9	0
59	MG	AU	203	1/1	0.87	0.23	-0.28	74,74,74,74	0
59	MG	DA	4327	1/1	0.85	0.20	-0.28	51,51,51,51	0
59	MG	AO	204	1/1	0.88	0.27	-0.28	43,43,43,43	0
59	MG	DA	4179	1/1	0.96	0.16	-0.28	57,57,57,57	0
59	MG	DA	4564	1/1	0.93	0.16	-0.30	39,39,39,39	0
59	MG	AA	3434	1/1	0.67	0.12	-0.30	65,65,65,65	0
59	MG	DA	3780	1/1	0.96	0.16	-0.33	32,32,32,32	0
59	MG	A1	201	1/1	0.83	0.17	-0.33	60,60,60,60	0
59	MG	A1	203	1/1	0.92	0.21	-0.33	77,77,77,77	0
59	MG	DA	3549	1/1	0.79	0.17	-0.33	40,40,40,40	0
59	MG	BA	2133	1/1	0.90	0.15	-0.34	122,122,122,122	0
59	MG	D8	103	1/1	0.88	0.21	-0.35	76,76,76,76	0
59	MG	DA	4619	1/1	0.94	0.17	-0.35	49,49,49,49	0
59	MG	CA	1622	1/1	0.96	0.14	-0.35	51,51,51,51	0
59	MG	CC	108	1/1	0.87	0.14	-0.38	57,57,57,57	0
59	MG	DE	303	1/1	0.88	0.20	-0.38	52,52,52,52	0
59	MG	AA	3498	1/1	0.96	0.20	-0.38	52,52,52,52	0
59	MG	DY	201	1/1	0.76	0.23	-0.38	100,100,100,100	0
59	MG	AA	3527	1/1	0.80	0.16	-0.38	34,34,34,34	0
59	MG	CB	116	1/1	0.45	0.23	-0.40	89,89,89,89	0
59	MG	AA	3088	1/1	0.85	0.15	-0.40	51,51,51,51	0
59	MG	AA	3111	1/1	0.98	0.14	-0.40	46,46,46,46	0
59	MG	BA	2217	1/1	0.82	0.14	-0.40	108,108,108,108	0
59	MG	DA	4850	1/1	0.99	0.15	-0.41	38,38,38,38	0
59	MG	DE	310	1/1	0.91	0.27	-0.41	52,52,52,52	0
59	MG	DA	4351	1/1	0.91	0.17	-0.41	43,43,43,43	0
59	MG	CA	1869	1/1	0.96	0.14	-0.45	69,69,69,69	0
59	MG	BQ	103	1/1	0.80	0.17	-0.47	69,69,69,69	0
59	MG	DA	3891	1/1	0.82	0.13	-0.47	82,82,82,82	0
59	MG	AA	3167	1/1	0.95	0.16	-0.47	61,61,61,61	0
59	MG	BA	2021	1/1	0.82	0.12	-0.47	84,84,84,84	0
59	MG	DA	3650	1/1	1.00	0.17	-0.48	37,37,37,37	0
59	MG	DD	306	1/1	0.91	0.17	-0.51	51,51,51,51	0
59	MG	BE	301	1/1	0.65	0.15	-0.52	63,63,63,63	0
59	MG	CA	1937	1/1	0.74	0.15	-0.52	73,73,73,73	0
59	MG	CA	2270	1/1	0.79	0.16	-0.52	68,68,68,68	0
59	MG	DA	3927	1/1	0.95	0.14	-0.53	66,66,66,66	0
59	MG	AA	3529	1/1	0.87	0.15	-0.53	29,29,29,29	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3222	1/1	0.98	0.18	-0.54	28,28,28,28	0
59	MG	DR	204	1/1	0.87	0.19	-0.56	40,40,40,40	0
59	MG	AA	4060	1/1	0.68	0.13	-0.56	70,70,70,70	0
59	MG	AA	3678	1/1	0.71	0.12	-0.57	49,49,49,49	0
59	MG	AQ	201	1/1	0.91	0.18	-0.57	56,56,56,56	0
59	MG	DA	4471	1/1	0.96	0.15	-0.57	46,46,46,46	0
59	MG	DA	3648	1/1	0.94	0.17	-0.57	51,51,51,51	0
59	MG	AA	3387	1/1	0.82	0.16	-0.58	40,40,40,40	0
59	MG	DA	4434	1/1	0.99	0.17	-0.59	59,59,59,59	0
59	MG	AA	3273	1/1	0.93	0.14	-0.59	30,30,30,30	0
59	MG	DH	202	1/1	0.87	0.16	-0.60	59,59,59,59	0
59	MG	D6	103	1/1	0.69	0.43	-0.60	63,63,63,63	0
59	MG	AA	3063	1/1	0.97	0.14	-0.60	27,27,27,27	0
59	MG	CR	102	1/1	0.94	0.16	-0.61	43,43,43,43	0
59	MG	AO	201	1/1	0.95	0.16	-0.61	50,50,50,50	0
59	MG	DA	4556	1/1	0.95	0.16	-0.64	41,41,41,41	0
59	MG	AA	3056	1/1	0.90	0.13	-0.64	63,63,63,63	0
59	MG	AA	3412	1/1	0.93	0.16	-0.64	30,30,30,30	0
59	MG	BA	2009	1/1	0.83	0.13	-0.66	63,63,63,63	0
59	MG	DF	304	1/1	0.91	0.16	-0.66	29,29,29,29	0
59	MG	AU	206	1/1	0.81	0.25	-0.66	75,75,75,75	0
59	MG	DU	216	1/1	0.97	0.17	-0.69	80,80,80,80	0
59	MG	CQ	103	1/1	0.94	0.15	-0.69	51,51,51,51	0
59	MG	DA	4581	1/1	0.87	0.14	-0.71	55,55,55,55	0
59	MG	D8	108	1/1	0.96	0.17	-0.71	52,52,52,52	0
59	MG	AA	3082	1/1	0.95	0.14	-0.71	48,48,48,48	0
59	MG	AA	3261	1/1	0.90	0.16	-0.74	40,40,40,40	0
59	MG	AA	3389	1/1	0.97	0.15	-0.76	67,67,67,67	0
59	MG	D5	107	1/1	0.87	0.27	-0.77	59,59,59,59	0
59	MG	DA	4750	1/1	0.92	0.15	-0.78	68,68,68,68	0
59	MG	BA	2020	1/1	0.89	0.13	-0.79	90,90,90,90	0
59	MG	CA	1956	1/1	0.76	0.14	-0.79	74,74,74,74	0
59	MG	BA	1727	1/1	0.97	0.15	-0.79	52,52,52,52	0
59	MG	AA	3393	1/1	0.84	0.15	-0.81	63,63,63,63	0
59	MG	DY	204	1/1	0.78	0.14	-0.81	85,85,85,85	0
59	MG	AA	3559	1/1	0.91	0.19	-0.82	50,50,50,50	0
59	MG	BS	107	1/1	0.94	0.11	-0.83	90,90,90,90	0
59	MG	AA	3747	1/1	0.77	0.16	-0.84	53,53,53,53	0
59	MG	DO	209	1/1	0.98	0.16	-0.84	60,60,60,60	0
59	MG	DF	303	1/1	0.88	0.17	-0.84	28,28,28,28	0
59	MG	CA	1889	1/1	0.98	0.12	-0.84	59,59,59,59	0
59	MG	DT	101	1/1	0.83	0.16	-0.84	54,54,54,54	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1613	1/1	0.97	0.12	-0.85	41,41,41,41	0
59	MG	AA	3683	1/1	0.88	0.16	-0.86	46,46,46,46	0
59	MG	AA	3672	1/1	0.85	0.16	-0.86	55,55,55,55	0
59	MG	AO	205	1/1	0.92	0.17	-0.87	52,52,52,52	0
59	MG	DA	3317	1/1	0.93	0.13	-0.88	86,86,86,86	0
60	ZN	BQ	104	1/1	0.96	0.11	-0.91	97,97,97,97	0
59	MG	DA	4242	1/1	0.97	0.17	-0.91	49,49,49,49	0
59	MG	DA	3437	1/1	0.99	0.15	-0.91	47,47,47,47	0
59	MG	DM	201	1/1	0.91	0.20	-0.92	29,29,29,29	0
59	MG	DF	301	1/1	0.94	0.17	-0.94	28,28,28,28	0
59	MG	BA	1905	1/1	0.84	0.11	-0.95	74,74,74,74	0
59	MG	DE	304	1/1	0.97	0.15	-0.95	47,47,47,47	0
59	MG	AA	3458	1/1	0.92	0.10	-0.95	49,49,49,49	0
59	MG	AA	3308	1/1	0.93	0.10	-0.95	38,38,38,38	0
59	MG	CA	1969	1/1	0.95	0.13	-0.96	85,85,85,85	0
59	MG	AA	3462	1/1	0.96	0.15	-0.97	32,32,32,32	0
59	MG	BA	1668	1/1	0.87	0.12	-0.98	56,56,56,56	0
59	MG	BA	1901	1/1	0.94	0.08	-0.99	82,82,82,82	0
59	MG	DB	207	1/1	0.82	0.12	-1.00	64,64,64,64	0
59	MG	AA	3686	1/1	0.97	0.14	-1.03	49,49,49,49	0
59	MG	CC	102	1/1	0.96	0.15	-1.04	28,28,28,28	0
59	MG	DA	3687	1/1	0.98	0.16	-1.04	41,41,41,41	0
59	MG	DB	227	1/1	0.85	0.14	-1.05	59,59,59,59	0
59	MG	CA	1919	1/1	0.87	0.13	-1.05	50,50,50,50	0
59	MG	DA	4903	1/1	0.88	0.13	-1.06	69,69,69,69	0
59	MG	DA	4235	1/1	0.94	0.13	-1.07	44,44,44,44	0
59	MG	DB	260	1/1	0.89	0.12	-1.07	63,63,63,63	0
59	MG	AA	3018	1/1	0.92	0.16	-1.07	22,22,22,22	0
59	MG	DA	3077	1/1	0.84	0.15	-1.09	47,47,47,47	0
59	MG	BA	2042	1/1	0.64	0.09	-1.10	95,95,95,95	0
59	MG	AP	201	1/1	0.93	0.16	-1.11	95,95,95,95	0
59	MG	CA	1801	1/1	0.95	0.12	-1.11	44,44,44,44	0
59	MG	AA	3075	1/1	0.94	0.14	-1.13	33,33,33,33	0
59	MG	D3	102	1/1	0.86	0.17	-1.13	47,47,47,47	0
59	MG	BA	2004	1/1	0.89	0.12	-1.13	69,69,69,69	0
59	MG	CV	103	1/1	0.80	0.14	-1.14	84,84,84,84	0
59	MG	AA	3515	1/1	0.94	0.14	-1.15	20,20,20,20	0
59	MG	DD	303	1/1	0.94	0.12	-1.17	16,16,16,16	0
59	MG	BH	203	1/1	0.94	0.13	-1.18	89,89,89,89	0
59	MG	AB	230	1/1	0.87	0.16	-1.19	76,76,76,76	0
59	MG	CA	1659	1/1	0.91	0.15	-1.19	41,41,41,41	0
59	MG	AA	3521	1/1	0.92	0.15	-1.20	32,32,32,32	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4654	1/1	0.94	0.17	-1.21	69,69,69,69	0
59	MG	D8	101	1/1	0.90	0.17	-1.21	42,42,42,42	0
59	MG	AA	3664	1/1	0.97	0.13	-1.23	68,68,68,68	0
59	MG	BA	2157	1/1	0.80	0.13	-1.23	72,72,72,72	0
59	MG	AA	3512	1/1	0.93	0.09	-1.24	31,31,31,31	0
59	MG	AQ	202	1/1	0.91	0.12	-1.24	94,94,94,94	0
60	ZN	CQ	101	1/1	0.98	0.09	-1.26	114,114,114,114	0
59	MG	DA	3366	1/1	0.85	0.13	-1.27	35,35,35,35	0
59	MG	AA	3377	1/1	0.98	0.14	-1.27	19,19,19,19	0
59	MG	D0	206	1/1	0.92	0.14	-1.27	45,45,45,45	0
59	MG	DA	4470	1/1	0.95	0.16	-1.28	41,41,41,41	0
59	MG	DU	206	1/1	0.97	0.12	-1.28	47,47,47,47	0
59	MG	AA	3015	1/1	0.99	0.15	-1.29	19,19,19,19	0
59	MG	AA	3554	1/1	0.66	0.14	-1.30	86,86,86,86	0
59	MG	CA	1900	1/1	0.95	0.09	-1.30	74,74,74,74	0
59	MG	AA	3381	1/1	0.98	0.16	-1.32	32,32,32,32	0
59	MG	DA	3591	1/1	0.93	0.15	-1.33	16,16,16,16	0
59	MG	DA	3654	1/1	0.77	0.17	-1.34	40,40,40,40	0
59	MG	AT	102	1/1	0.93	0.14	-1.34	57,57,57,57	0
59	MG	DA	4279	1/1	0.78	0.12	-1.36	72,72,72,72	0
59	MG	BA	1993	1/1	0.96	0.13	-1.37	60,60,60,60	0
59	MG	CA	1646	1/1	0.79	0.13	-1.38	53,53,53,53	0
59	MG	DH	201	1/1	0.88	0.15	-1.38	48,48,48,48	0
59	MG	AA	3647	1/1	0.91	0.12	-1.39	25,25,25,25	0
59	MG	DB	237	1/1	0.89	0.10	-1.39	57,57,57,57	0
59	MG	CA	1606	1/1	0.98	0.13	-1.40	22,22,22,22	0
59	MG	CA	2096	1/1	0.89	0.12	-1.41	60,60,60,60	0
59	MG	BA	2189	1/1	0.83	0.11	-1.42	140,140,140,140	0
59	MG	AA	3014	1/1	0.96	0.14	-1.43	20,20,20,20	0
59	MG	AA	3206	1/1	0.98	0.10	-1.45	40,40,40,40	0
59	MG	AA	3670	1/1	0.83	0.14	-1.45	54,54,54,54	0
59	MG	BH	205	1/1	0.77	0.10	-1.45	78,78,78,78	0
59	MG	DA	3841	1/1	0.95	0.13	-1.45	50,50,50,50	0
59	MG	BG	303	1/1	0.93	0.10	-1.46	59,59,59,59	0
59	MG	D4	102	1/1	0.95	0.19	-1.46	86,86,86,86	0
59	MG	CE	303	1/1	0.88	0.12	-1.47	83,83,83,83	0
59	MG	AA	3945	1/1	0.95	0.12	-1.47	108,108,108,108	0
59	MG	CA	1702	1/1	0.88	0.14	-1.47	45,45,45,45	0
59	MG	CD	112	1/1	0.83	0.13	-1.47	142,142,142,142	0
59	MG	CD	110	1/1	0.75	0.10	-1.49	77,77,77,77	0
59	MG	A6	101	1/1	0.91	0.07	-1.49	55,55,55,55	0
59	MG	CA	1988	1/1	0.87	0.10	-1.50	57,57,57,57	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4584	1/1	0.96	0.14	-1.50	40,40,40,40	0
59	MG	DE	306	1/1	0.82	0.11	-1.51	45,45,45,45	0
59	MG	DA	4220	1/1	0.99	0.10	-1.52	40,40,40,40	0
59	MG	BS	105	1/1	0.80	0.10	-1.52	89,89,89,89	0
59	MG	CA	1618	1/1	0.94	0.12	-1.53	24,24,24,24	0
59	MG	CA	1734	1/1	0.93	0.12	-1.54	38,38,38,38	0
59	MG	AA	3953	1/1	0.93	0.13	-1.54	60,60,60,60	0
59	MG	AA	3066	1/1	0.97	0.11	-1.54	17,17,17,17	0
59	MG	CA	1665	1/1	0.93	0.15	-1.57	31,31,31,31	0
59	MG	CA	2093	1/1	0.98	0.10	-1.59	64,64,64,64	0
59	MG	CA	1979	1/1	0.83	0.13	-1.60	58,58,58,58	0
59	MG	AA	3095	1/1	0.98	0.17	-1.61	18,18,18,18	0
59	MG	AA	4013	1/1	0.85	0.09	-1.61	119,119,119,119	0
59	MG	DA	3679	1/1	0.78	0.07	-1.61	69,69,69,69	0
59	MG	AA	4016	1/1	0.83	0.37	-1.62	111,111,111,111	0
59	MG	DO	201	1/1	0.97	0.12	-1.62	32,32,32,32	0
59	MG	DA	3253	1/1	0.90	0.16	-1.62	15,15,15,15	0
59	MG	DA	4318	1/1	0.94	0.14	-1.63	50,50,50,50	0
59	MG	DA	3020	1/1	0.97	0.14	-1.64	21,21,21,21	0
59	MG	CD	121	1/1	0.88	0.10	-1.64	133,133,133,133	0
59	MG	AA	3864	1/1	0.79	0.11	-1.65	48,48,48,48	0
59	MG	BA	2031	1/1	0.96	0.11	-1.65	71,71,71,71	0
59	MG	AA	3077	1/1	0.79	0.14	-1.66	63,63,63,63	0
59	MG	BV	101	1/1	0.96	0.12	-1.68	73,73,73,73	0
59	MG	DA	3742	1/1	0.97	0.15	-1.69	65,65,65,65	0
59	MG	DU	201	1/1	0.94	0.14	-1.70	36,36,36,36	0
59	MG	AA	3342	1/1	0.73	0.15	-1.73	63,63,63,63	0
59	MG	DA	4224	1/1	0.90	0.09	-1.75	90,90,90,90	0
59	MG	BA	1926	1/1	0.76	0.11	-1.76	53,53,53,53	0
59	MG	AA	3118	1/1	0.64	0.13	-1.76	52,52,52,52	0
59	MG	CA	1922	1/1	0.93	0.10	-1.78	84,84,84,84	0
59	MG	AA	3545	1/1	0.81	0.18	-1.78	56,56,56,56	0
59	MG	DA	4995	1/1	0.46	0.07	-1.79	121,121,121,121	0
59	MG	DA	3299	1/1	0.91	0.14	-1.79	33,33,33,33	0
59	MG	CP	201	1/1	0.99	0.08	-1.80	54,54,54,54	0
59	MG	DA	3605	1/1	0.83	0.14	-1.80	29,29,29,29	0
59	MG	AA	3829	1/1	0.90	0.08	-1.82	88,88,88,88	0
59	MG	CB	121	1/1	0.38	0.15	-1.82	101,101,101,101	0
59	MG	CD	120	1/1	0.96	0.06	-1.83	98,98,98,98	0
59	MG	AF	303	1/1	0.90	0.12	-1.84	68,68,68,68	0
59	MG	AA	3013	1/1	0.97	0.14	-1.85	49,49,49,49	0
59	MG	DA	3904	1/1	0.61	0.14	-1.85	105,105,105,105	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2206	1/1	0.89	0.12	-1.87	52,52,52,52	0
59	MG	AA	3970	1/1	0.96	0.10	-1.90	47,47,47,47	0
59	MG	CA	2082	1/1	0.94	0.09	-1.90	63,63,63,63	0
59	MG	AA	3509	1/1	0.99	0.16	-1.90	19,19,19,19	0
59	MG	CA	2162	1/1	0.85	0.09	-1.92	79,79,79,79	0
59	MG	BQ	102	1/1	0.71	0.10	-1.94	63,63,63,63	0
59	MG	BA	1608	1/1	0.95	0.11	-1.96	47,47,47,47	0
59	MG	BA	2008	1/1	0.94	0.07	-1.98	50,50,50,50	0
59	MG	DA	4299	1/1	0.93	0.11	-2.00	72,72,72,72	0
59	MG	BA	1684	1/1	0.93	0.13	-2.01	36,36,36,36	0
59	MG	DA	3915	1/1	0.96	0.14	-2.02	28,28,28,28	0
59	MG	DA	4106	1/1	0.93	0.13	-2.03	65,65,65,65	0
59	MG	DA	4490	1/1	0.60	0.07	-2.04	125,125,125,125	0
59	MG	BA	1793	1/1	0.81	0.11	-2.04	57,57,57,57	0
59	MG	AA	3169	1/1	0.96	0.09	-2.05	11,11,11,11	0
59	MG	DA	4910	1/1	0.80	0.13	-2.05	67,67,67,67	0
59	MG	BA	1989	1/1	0.94	0.04	-2.05	75,75,75,75	0
59	MG	AA	3424	1/1	0.94	0.13	-2.05	54,54,54,54	0
59	MG	DA	3006	1/1	0.97	0.13	-2.09	14,14,14,14	0
59	MG	AA	3150	1/1	0.95	0.13	-2.10	29,29,29,29	0
59	MG	DA	3316	1/1	0.99	0.11	-2.11	43,43,43,43	0
59	MG	AA	3016	1/1	0.94	0.14	-2.12	9,9,9,9	0
59	MG	BA	2127	1/1	0.86	0.10	-2.13	50,50,50,50	0
59	MG	DA	3273	1/1	0.98	0.15	-2.13	18,18,18,18	0
59	MG	BL	201	1/1	0.66	0.20	-2.15	86,86,86,86	0
59	MG	DA	4098	1/1	0.91	0.13	-2.15	43,43,43,43	0
59	MG	DA	3408	1/1	0.78	0.14	-2.19	41,41,41,41	0
59	MG	BA	2253	1/1	0.88	0.11	-2.21	103,103,103,103	0
59	MG	DA	4912	1/1	0.92	0.14	-2.21	42,42,42,42	0
59	MG	CL	201	1/1	0.95	0.09	-2.24	54,54,54,54	0
59	MG	BA	1791	1/1	0.98	0.10	-2.25	55,55,55,55	0
59	MG	AA	3635	1/1	0.95	0.13	-2.25	54,54,54,54	0
59	MG	AA	3982	1/1	0.89	0.11	-2.26	71,71,71,71	0
59	MG	CA	2226	1/1	0.96	0.12	-2.27	53,53,53,53	0
59	MG	BA	1733	1/1	0.94	0.07	-2.29	46,46,46,46	0
59	MG	A5	103	1/1	0.82	0.12	-2.31	54,54,54,54	0
59	MG	D8	106	1/1	0.92	0.08	-2.31	41,41,41,41	0
59	MG	AA	3677	1/1	0.97	0.13	-2.32	60,60,60,60	0
59	MG	AA	3378	1/1	0.98	0.12	-2.32	50,50,50,50	0
59	MG	CA	2176	1/1	0.94	0.06	-2.33	62,62,62,62	0
59	MG	CA	2024	1/1	0.92	0.05	-2.33	96,96,96,96	0
59	MG	DA	3975	1/1	0.87	0.14	-2.34	50,50,50,50	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1889	1/1	0.93	0.07	-2.39	37,37,37,37	0
59	MG	AA	3186	1/1	0.98	0.09	-2.40	19,19,19,19	0
59	MG	DA	4236	1/1	0.88	0.12	-2.40	52,52,52,52	0
59	MG	AA	3281	1/1	0.97	0.10	-2.40	45,45,45,45	0
59	MG	BA	1703	1/1	0.92	0.12	-2.43	40,40,40,40	0
59	MG	AA	3896	1/1	0.98	0.13	-2.44	99,99,99,99	0
59	MG	DA	5069	1/1	0.89	0.14	-2.44	66,66,66,66	0
59	MG	AA	3094	1/1	0.95	0.14	-2.47	21,21,21,21	0
59	MG	DA	4010	1/1	0.95	0.12	-2.48	91,91,91,91	0
59	MG	DA	3423	1/1	0.80	0.12	-2.48	58,58,58,58	0
59	MG	BC	113	1/1	0.95	0.07	-2.48	54,54,54,54	0
59	MG	DA	3233	1/1	0.95	0.13	-2.49	26,26,26,26	0
59	MG	AA	4139	1/1	0.94	0.10	-2.50	67,67,67,67	0
59	MG	DA	3476	1/1	0.93	0.10	-2.51	27,27,27,27	0
59	MG	CA	1762	1/1	0.99	0.11	-2.51	49,49,49,49	0
59	MG	DA	4332	1/1	0.89	0.13	-2.53	53,53,53,53	0
59	MG	DA	3589	1/1	0.99	0.14	-2.53	7,7,7,7	0
59	MG	DA	3629	1/1	0.86	0.14	-2.53	29,29,29,29	0
59	MG	DA	3167	1/1	0.97	0.12	-2.54	48,48,48,48	0
59	MG	AA	3460	1/1	0.86	0.13	-2.55	28,28,28,28	0
59	MG	AR	203	1/1	0.97	0.05	-2.55	55,55,55,55	0
59	MG	DA	3698	1/1	0.98	0.12	-2.57	35,35,35,35	0
59	MG	DA	4094	1/1	0.95	0.15	-2.59	41,41,41,41	0
59	MG	AF	301	1/1	0.82	0.11	-2.60	73,73,73,73	0
59	MG	DA	4301	1/1	0.94	0.16	-2.60	37,37,37,37	0
59	MG	AA	4072	1/1	0.93	0.13	-2.62	56,56,56,56	0
59	MG	CA	1773	1/1	0.96	0.12	-2.65	45,45,45,45	0
59	MG	DA	3324	1/1	0.89	0.15	-2.65	42,42,42,42	0
59	MG	BA	1841	1/1	0.88	0.06	-2.66	108,108,108,108	0
59	MG	DA	4485	1/1	0.70	0.07	-2.68	138,138,138,138	0
59	MG	AA	3501	1/1	0.98	0.14	-2.71	24,24,24,24	0
59	MG	DG	202	1/1	0.97	0.07	-2.72	47,47,47,47	0
59	MG	CA	1790	1/1	0.96	0.09	-2.72	81,81,81,81	0
59	MG	DA	4045	1/1	0.59	0.09	-2.74	134,134,134,134	0
59	MG	AA	3438	1/1	0.69	0.08	-2.78	99,99,99,99	0
59	MG	AA	3359	1/1	0.81	0.10	-2.79	48,48,48,48	0
59	MG	AA	3652	1/1	0.94	0.09	-2.81	44,44,44,44	0
59	MG	CA	2002	1/1	0.66	0.09	-2.81	112,112,112,112	0
59	MG	BA	1743	1/1	0.85	0.08	-2.86	43,43,43,43	0
59	MG	DA	4164	1/1	0.90	0.13	-2.91	29,29,29,29	0
59	MG	DA	3877	1/1	0.95	0.12	-2.92	37,37,37,37	0
59	MG	CN	201	1/1	0.95	0.10	-2.93	33,33,33,33	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1913	1/1	0.86	0.15	-2.95	52,52,52,52	0
59	MG	AA	3417	1/1	0.77	0.11	-2.97	58,58,58,58	0
59	MG	AA	3239	1/1	0.91	0.07	-2.98	51,51,51,51	0
59	MG	DA	3388	1/1	0.95	0.12	-3.02	33,33,33,33	0
59	MG	AG	202	1/1	0.79	0.10	-3.02	83,83,83,83	0
59	MG	AA	3302	1/1	0.94	0.13	-3.04	32,32,32,32	0
59	MG	BA	1804	1/1	0.59	0.09	-3.04	105,105,105,105	0
59	MG	BC	109	1/1	0.95	0.09	-3.06	72,72,72,72	0
59	MG	D1	203	1/1	0.98	0.10	-3.07	42,42,42,42	0
59	MG	DE	305	1/1	0.95	0.10	-3.07	44,44,44,44	0
59	MG	CA	2021	1/1	0.92	0.09	-3.10	63,63,63,63	0
59	MG	AA	3615	1/1	0.94	0.08	-3.10	47,47,47,47	0
59	MG	DA	4044	1/1	0.85	0.09	-3.11	107,107,107,107	0
59	MG	DA	3237	1/1	0.96	0.14	-3.12	13,13,13,13	0
59	MG	DA	3293	1/1	0.93	0.12	-3.12	35,35,35,35	0
59	MG	AA	3622	1/1	0.88	0.11	-3.14	43,43,43,43	0
59	MG	AO	202	1/1	0.92	0.13	-3.15	55,55,55,55	0
59	MG	AA	4076	1/1	0.88	0.07	-3.18	113,113,113,113	0
59	MG	AA	3143	1/1	0.91	0.11	-3.21	37,37,37,37	0
59	MG	DA	3222	1/1	0.92	0.09	-3.22	42,42,42,42	0
59	MG	CA	2133	1/1	0.90	0.12	-3.25	67,67,67,67	0
59	MG	CA	1930	1/1	0.94	0.12	-3.25	42,42,42,42	0
59	MG	DA	3663	1/1	0.97	0.09	-3.25	79,79,79,79	0
59	MG	CA	1829	1/1	0.92	0.07	-3.25	61,61,61,61	0
59	MG	AA	3352	1/1	0.95	0.10	-3.27	28,28,28,28	0
59	MG	CA	1730	1/1	0.84	0.10	-3.27	38,38,38,38	0
59	MG	AA	3134	1/1	0.98	0.16	-3.28	22,22,22,22	0
59	MG	BI	201	1/1	0.81	0.09	-3.29	47,47,47,47	0
59	MG	DB	220	1/1	0.94	0.10	-3.30	79,79,79,79	0
59	MG	AA	3349	1/1	0.93	0.11	-3.30	42,42,42,42	0
59	MG	CA	1819	1/1	0.98	0.11	-3.31	72,72,72,72	0
59	MG	CA	1944	1/1	0.96	0.08	-3.32	61,61,61,61	0
59	MG	CA	1664	1/1	0.95	0.11	-3.33	22,22,22,22	0
59	MG	BA	2114	1/1	0.87	0.10	-3.34	71,71,71,71	0
59	MG	AA	3028	1/1	0.97	0.12	-3.36	15,15,15,15	0
59	MG	DA	3059	1/1	0.98	0.13	-3.37	8,8,8,8	0
59	MG	DB	204	1/1	0.92	0.10	-3.37	23,23,23,23	0
59	MG	DA	4567	1/1	0.95	0.11	-3.38	51,51,51,51	0
59	MG	DA	3037	1/1	0.98	0.16	-3.38	1,1,1,1	0
59	MG	CA	2015	1/1	0.99	0.10	-3.40	57,57,57,57	0
59	MG	AA	3651	1/1	0.89	0.17	-3.40	41,41,41,41	0
59	MG	CA	1880	1/1	0.97	0.09	-3.41	35,35,35,35	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3702	1/1	0.97	0.12	-3.42	36,36,36,36	0
59	MG	CC	117	1/1	0.96	0.14	-3.42	45,45,45,45	0
59	MG	CA	2014	1/1	0.89	0.10	-3.43	56,56,56,56	0
59	MG	BA	1891	1/1	0.94	0.09	-3.43	60,60,60,60	0
59	MG	AB	204	1/1	0.90	0.07	-3.44	54,54,54,54	0
59	MG	DA	4444	1/1	0.97	0.13	-3.45	51,51,51,51	0
59	MG	AA	3277	1/1	0.97	0.07	-3.47	42,42,42,42	0
59	MG	AA	3798	1/1	0.92	0.08	-3.47	47,47,47,47	0
59	MG	CS	103	1/1	0.95	0.10	-3.50	74,74,74,74	0
59	MG	DA	3515	1/1	0.94	0.11	-3.54	28,28,28,28	0
59	MG	DA	3050	1/1	0.90	0.11	-3.55	46,46,46,46	0
59	MG	AA	3162	1/1	0.93	0.10	-3.59	48,48,48,48	0
59	MG	AD	306	1/1	0.94	0.12	-3.59	44,44,44,44	0
59	MG	AA	3430	1/1	0.97	0.06	-3.62	81,81,81,81	0
59	MG	AA	3139	1/1	0.97	0.07	-3.63	45,45,45,45	0
59	MG	CA	1690	1/1	0.96	0.10	-3.66	43,43,43,43	0
59	MG	DB	208	1/1	0.93	0.10	-3.67	46,46,46,46	0
59	MG	AB	208	1/1	0.87	0.09	-3.68	57,57,57,57	0
59	MG	AA	3600	1/1	0.98	0.09	-3.69	46,46,46,46	0
59	MG	CA	2013	1/1	0.94	0.11	-3.73	46,46,46,46	0
59	MG	BA	2044	1/1	0.86	0.09	-3.75	62,62,62,62	0
59	MG	AA	3175	1/1	0.97	0.10	-3.75	29,29,29,29	0
59	MG	AA	3003	1/1	0.98	0.10	-3.79	12,12,12,12	0
59	MG	BA	1953	1/1	0.98	0.11	-3.86	68,68,68,68	0
59	MG	DA	3683	1/1	0.97	0.13	-3.86	56,56,56,56	0
59	MG	AA	3689	1/1	0.86	0.09	-3.89	61,61,61,61	0
59	MG	DA	5043	1/1	0.84	0.10	-3.92	73,73,73,73	0
59	MG	AA	3147	1/1	0.99	0.12	-3.94	60,60,60,60	0
59	MG	DA	3774	1/1	0.98	0.13	-3.95	37,37,37,37	0
59	MG	DA	3048	1/1	0.94	0.14	-3.97	15,15,15,15	0
59	MG	DA	3917	1/1	0.96	0.14	-4.00	77,77,77,77	0
59	MG	BA	1675	1/1	0.90	0.10	-4.01	28,28,28,28	0
59	MG	AA	3484	1/1	0.86	0.10	-4.05	66,66,66,66	0
59	MG	DA	3726	1/1	0.98	0.08	-4.07	1,1,1,1	0
59	MG	BA	2153	1/1	0.68	0.11	-4.16	100,100,100,100	0
59	MG	DA	4527	1/1	0.92	0.11	-4.17	53,53,53,53	0
59	MG	DA	3725	1/1	0.89	0.12	-4.21	22,22,22,22	0
59	MG	BA	1749	1/1	0.91	0.08	-4.23	30,30,30,30	0
59	MG	AA	3282	1/1	0.91	0.08	-4.23	64,64,64,64	0
59	MG	DA	3707	1/1	0.95	0.11	-4.25	28,28,28,28	0
59	MG	BA	1680	1/1	0.87	0.11	-4.26	55,55,55,55	0
59	MG	CA	1898	1/1	0.96	0.09	-4.31	59,59,59,59	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3035	1/1	0.94	0.07	-4.34	17,17,17,17	0
59	MG	CA	1830	1/1	0.92	0.04	-4.35	59,59,59,59	0
59	MG	AA	3250	1/1	0.96	0.10	-4.35	24,24,24,24	0
59	MG	BA	1735	1/1	0.96	0.07	-4.37	40,40,40,40	0
59	MG	DA	3376	1/1	0.88	0.12	-4.39	18,18,18,18	0
59	MG	DA	3776	1/1	0.98	0.12	-4.40	46,46,46,46	0
59	MG	DA	3914	1/1	0.93	0.09	-4.42	36,36,36,36	0
59	MG	DA	4138	1/1	0.99	0.11	-4.43	54,54,54,54	0
59	MG	DA	3427	1/1	0.97	0.12	-4.46	44,44,44,44	0
59	MG	DA	3744	1/1	0.98	0.11	-4.57	58,58,58,58	0
59	MG	DA	4091	1/1	0.99	0.10	-4.57	42,42,42,42	0
59	MG	AA	3463	1/1	0.97	0.07	-4.64	3,3,3,3	0
59	MG	CA	1662	1/1	0.98	0.06	-4.67	19,19,19,19	0
59	MG	DA	3301	1/1	0.94	0.11	-4.76	29,29,29,29	0
59	MG	AA	3354	1/1	0.85	0.07	-4.79	53,53,53,53	0
59	MG	BA	1784	1/1	0.86	0.09	-4.81	54,54,54,54	0
59	MG	DA	3731	1/1	0.98	0.09	-4.94	35,35,35,35	0
59	MG	AA	3442	1/1	0.50	0.08	-4.99	128,128,128,128	0
59	MG	AA	3662	1/1	0.92	0.08	-5.02	51,51,51,51	0
59	MG	AA	3465	1/1	0.98	0.07	-5.04	28,28,28,28	0
59	MG	BA	1650	1/1	0.85	0.06	-5.05	52,52,52,52	0
59	MG	CA	1649	1/1	0.94	0.08	-5.11	47,47,47,47	0
59	MG	AA	3076	1/1	0.95	0.11	-5.11	35,35,35,35	0
59	MG	AA	3093	1/1	0.96	0.11	-5.19	39,39,39,39	0
59	MG	AA	3380	1/1	0.96	0.09	-5.23	25,25,25,25	0
59	MG	DA	3174	1/1	0.96	0.09	-5.37	30,30,30,30	0
59	MG	DA	3566	1/1	0.92	0.10	-5.39	21,21,21,21	0
59	MG	AA	3043	1/1	0.95	0.04	-5.39	42,42,42,42	0
59	MG	AA	3468	1/1	0.95	0.09	-5.49	22,22,22,22	0
59	MG	CA	1642	1/1	0.93	0.10	-5.49	25,25,25,25	0
59	MG	AA	3237	1/1	0.97	0.07	-5.69	36,36,36,36	0
59	MG	AA	3054	1/1	0.86	0.10	-5.73	44,44,44,44	0
59	MG	DA	3967	1/1	0.97	0.10	-5.78	80,80,80,80	0
59	MG	DA	3251	1/1	0.97	0.11	-5.93	12,12,12,12	0
59	MG	DB	206	1/1	0.99	0.04	-6.02	34,34,34,34	0
59	MG	AA	3919	1/1	0.92	0.08	-6.04	59,59,59,59	0
59	MG	CA	2026	1/1	0.94	0.06	-6.04	69,69,69,69	0
59	MG	DA	3783	1/1	0.95	0.06	-6.06	63,63,63,63	0
59	MG	DA	4283	1/1	0.98	0.13	-6.20	63,63,63,63	0
59	MG	DA	3618	1/1	0.99	0.11	-6.26	14,14,14,14	0
59	MG	BA	1961	1/1	0.97	0.05	-6.26	49,49,49,49	0
59	MG	DA	3559	1/1	0.88	0.10	-6.31	23,23,23,23	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3047	1/1	0.98	0.08	-6.34	28,28,28,28	0
59	MG	AA	3379	1/1	0.89	0.09	-6.36	70,70,70,70	0
59	MG	DA	3027	1/1	0.97	0.11	-6.49	15,15,15,15	0
59	MG	CA	2296	1/1	0.97	0.06	-6.52	68,68,68,68	0
59	MG	DA	3753	1/1	0.98	0.07	-6.71	62,62,62,62	0
59	MG	DA	3966	1/1	0.99	0.09	-6.76	41,41,41,41	0
59	MG	DA	3092	1/1	0.98	0.12	-6.86	3,3,3,3	0
59	MG	AA	3703	1/1	0.88	0.08	-6.92	51,51,51,51	0
59	MG	AA	3655	1/1	0.92	0.08	-6.93	50,50,50,50	0
59	MG	AA	3681	1/1	0.94	0.07	-7.01	65,65,65,65	0
59	MG	BA	1942	1/1	0.92	0.10	-7.24	63,63,63,63	0
59	MG	CA	1640	1/1	0.98	0.05	-7.33	28,28,28,28	0
59	MG	AA	3742	1/1	0.92	0.08	-7.42	70,70,70,70	0
59	MG	DA	3718	1/1	0.95	0.08	-7.44	25,25,25,25	0
59	MG	DA	4075	1/1	0.96	0.10	-7.46	25,25,25,25	0
59	MG	CA	1883	1/1	0.95	0.07	-7.56	43,43,43,43	0
59	MG	DA	3330	1/1	0.93	0.10	-7.86	70,70,70,70	0
59	MG	AA	3466	1/1	0.98	0.03	-8.21	37,37,37,37	0
59	MG	DA	3110	1/1	0.96	0.10	-8.31	35,35,35,35	0
59	MG	DA	3197	1/1	0.95	0.10	-8.63	19,19,19,19	0
59	MG	DA	3545	1/1	0.96	0.10	-8.76	36,36,36,36	0
59	MG	AA	4125	1/1	0.95	0.10	-9.05	69,69,69,69	0
59	MG	DA	3229	1/1	0.90	0.10	-9.35	33,33,33,33	0
59	MG	DA	3158	1/1	0.92	0.10	-10.07	28,28,28,28	0
59	MG	DA	4069	1/1	0.98	0.11	-10.70	24,24,24,24	0
59	MG	DA	3304	1/1	0.94	0.13	-10.95	43,43,43,43	0
59	MG	DA	3601	1/1	0.95	0.12	-12.78	1,1,1,1	0
59	MG	AA	3236	1/1	0.93	0.05	-18.51	20,20,20,20	0
59	MG	CA	1990	1/1	0.86	0.14	-	64,64,64,64	0
59	MG	CA	1687	1/1	0.98	0.20	-	46,46,46,46	0
59	MG	DA	4595	1/1	0.83	0.33	-	84,84,84,84	0
59	MG	AD	310	1/1	0.92	0.26	-	42,42,42,42	0
59	MG	BA	1973	1/1	0.90	0.09	-	81,81,81,81	0
59	MG	BA	2106	1/1	0.84	0.31	-	104,104,104,104	0
59	MG	BA	2053	1/1	0.97	0.13	-	90,90,90,90	0
59	MG	DA	4303	1/1	0.93	0.15	-	47,47,47,47	0
59	MG	DA	4653	1/1	0.85	0.21	-	69,69,69,69	0
59	MG	DH	204	1/1	0.94	0.38	-	87,87,87,87	0
59	MG	CF	303	1/1	0.96	0.78	-	79,79,79,79	0
59	MG	DA	4958	1/1	0.87	0.16	-	64,64,64,64	0
59	MG	AA	4082	1/1	0.83	0.17	-	75,75,75,75	0
59	MG	BA	2160	1/1	0.83	0.15	-	95,95,95,95	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3971	1/1	0.92	0.18	-	85,85,85,85	0
59	MG	DA	3941	1/1	0.96	0.08	-	61,61,61,61	0
59	MG	CB	115	1/1	0.65	0.39	-	97,97,97,97	0
59	MG	AA	3096	1/1	0.86	0.18	-	67,67,67,67	0
59	MG	BA	2264	1/1	0.73	0.14	-	79,79,79,79	0
59	MG	DA	4782	1/1	0.74	0.23	-	83,83,83,83	0
59	MG	C1	102	1/1	0.85	0.22	-	68,68,68,68	0
59	MG	DA	3791	1/1	0.94	0.25	-	109,109,109,109	0
59	MG	BA	2232	1/1	0.86	0.14	-	103,103,103,103	0
59	MG	DA	3428	1/1	0.98	0.24	-	38,38,38,38	0
59	MG	DA	3485	1/1	0.88	0.33	-	77,77,77,77	0
59	MG	AA	3052	1/1	0.87	0.16	-	60,60,60,60	0
59	MG	AA	3553	1/1	0.87	0.21	-	73,73,73,73	0
59	MG	DA	3709	1/1	0.96	0.15	-	46,46,46,46	0
59	MG	CA	2248	1/1	0.85	0.18	-	72,72,72,72	0
59	MG	BA	1629	1/1	0.73	0.27	-	76,76,76,76	0
59	MG	BA	1660	1/1	0.91	0.20	-	101,101,101,101	0
59	MG	BA	1627	1/1	0.93	0.36	-	60,60,60,60	0
59	MG	AA	3009	1/1	0.99	0.16	-	18,18,18,18	0
59	MG	DA	4488	1/1	0.70	0.55	-	89,89,89,89	0
59	MG	CA	1641	1/1	0.94	0.17	-	28,28,28,28	0
59	MG	DA	3083	1/1	0.91	0.22	-	9,9,9,9	0
59	MG	DA	3771	1/1	0.95	0.09	-	92,92,92,92	0
59	MG	AA	3142	1/1	0.93	0.09	-	12,12,12,12	0
59	MG	CA	1862	1/1	0.94	0.10	-	122,122,122,122	0
59	MG	DA	3512	1/1	0.83	0.28	-	66,66,66,66	0
59	MG	AA	3989	1/1	0.86	0.16	-	74,74,74,74	0
59	MG	AA	4130	1/1	0.29	0.25	-	107,107,107,107	0
59	MG	DA	4184	1/1	0.76	0.33	-	61,61,61,61	0
59	MG	CA	1833	1/1	0.90	0.06	-	57,57,57,57	0
59	MG	DA	4042	1/1	0.85	0.34	-	71,71,71,71	0
59	MG	CA	1760	1/1	0.97	0.30	-	69,69,69,69	0
59	MG	AA	4029	1/1	0.97	0.06	-	80,80,80,80	0
59	MG	DA	5063	1/1	0.87	0.39	-	52,52,52,52	0
59	MG	DA	4270	1/1	0.98	0.18	-	46,46,46,46	0
59	MG	AA	3245	1/1	0.76	0.28	-	69,69,69,69	0
59	MG	DP	202	1/1	0.92	0.23	-	53,53,53,53	0
59	MG	AA	3780	1/1	0.95	0.28	-	69,69,69,69	0
59	MG	CA	1907	1/1	0.87	0.26	-	66,66,66,66	0
59	MG	DA	4407	1/1	0.85	0.34	-	85,85,85,85	0
59	MG	DA	4006	1/1	0.82	0.41	-	71,71,71,71	0
59	MG	AA	3694	1/1	0.96	0.09	-	56,56,56,56	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CD	128	1/1	0.73	0.20	-	66,66,66,66	0
59	MG	DE	312	1/1	0.78	0.16	-	74,74,74,74	0
59	MG	CB	120	1/1	0.94	0.38	-	100,100,100,100	0
59	MG	DA	3061	1/1	0.96	0.17	-	23,23,23,23	0
59	MG	AR	201	1/1	0.73	0.10	-	71,71,71,71	0
59	MG	BA	2177	1/1	0.95	0.25	-	67,67,67,67	0
59	MG	DA	4315	1/1	0.89	0.10	-	67,67,67,67	0
59	MG	AB	216	1/1	0.86	0.23	-	53,53,53,53	0
59	MG	BA	1982	1/1	0.93	0.12	-	96,96,96,96	0
59	MG	CA	2181	1/1	0.82	0.17	-	73,73,73,73	0
59	MG	AV	301	1/1	0.89	0.11	-	67,67,67,67	0
59	MG	DA	3054	1/1	0.94	0.15	-	11,11,11,11	0
59	MG	AS	203	1/1	0.68	0.46	-	72,72,72,72	0
59	MG	AA	3983	1/1	0.90	0.27	-	126,126,126,126	0
59	MG	DF	312	1/1	0.89	0.13	-	75,75,75,75	0
59	MG	AR	202	1/1	0.89	0.12	-	64,64,64,64	0
59	MG	BA	1940	1/1	0.87	0.36	-	79,79,79,79	0
59	MG	AA	3268	1/1	0.91	0.31	-	60,60,60,60	0
59	MG	AA	3283	1/1	0.92	0.08	-	74,74,74,74	0
59	MG	BA	1761	1/1	0.97	0.26	-	58,58,58,58	0
59	MG	DA	4600	1/1	0.86	0.23	-	57,57,57,57	0
59	MG	AA	3333	1/1	0.72	0.52	-	59,59,59,59	0
59	MG	DA	3478	1/1	0.98	0.10	-	18,18,18,18	0
59	MG	CA	2046	1/1	0.89	0.14	-	67,67,67,67	0
59	MG	DA	3119	1/1	0.86	0.25	-	60,60,60,60	0
59	MG	BA	2100	1/1	0.95	0.21	-	69,69,69,69	0
59	MG	DA	4518	1/1	0.79	0.24	-	49,49,49,49	0
59	MG	CA	1684	1/1	0.64	0.26	-	103,103,103,103	0
59	MG	DA	4287	1/1	0.95	0.20	-	73,73,73,73	0
59	MG	DA	4542	1/1	0.79	0.23	-	37,37,37,37	0
59	MG	BA	1618	1/1	0.96	0.08	-	34,34,34,34	0
59	MG	CA	1784	1/1	0.84	0.20	-	54,54,54,54	0
59	MG	CA	2081	1/1	0.90	0.18	-	107,107,107,107	0
59	MG	DA	4652	1/1	0.90	0.17	-	71,71,71,71	0
59	MG	AA	4132	1/1	0.93	0.17	-	68,68,68,68	0
59	MG	AA	3779	1/1	0.87	0.13	-	86,86,86,86	0
59	MG	BA	1852	1/1	0.84	0.17	-	105,105,105,105	0
59	MG	DA	3356	1/1	0.81	0.30	-	58,58,58,58	0
59	MG	BA	1802	1/1	0.79	0.29	-	75,75,75,75	0
59	MG	DA	4500	1/1	0.95	0.12	-	53,53,53,53	0
59	MG	AA	3519	1/1	0.82	0.13	-	63,63,63,63	0
59	MG	DA	3353	1/1	0.96	0.16	-	22,22,22,22	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3579	1/1	0.96	0.14	-	83,83,83,83	0
59	MG	DA	3937	1/1	0.97	0.12	-	67,67,67,67	0
59	MG	DA	4408	1/1	0.90	0.23	-	54,54,54,54	0
59	MG	CA	2205	1/1	0.96	0.33	-	70,70,70,70	0
59	MG	AB	209	1/1	0.45	0.17	-	104,104,104,104	0
59	MG	BA	1776	1/1	0.86	0.09	-	79,79,79,79	0
59	MG	CC	107	1/1	0.94	0.38	-	56,56,56,56	0
59	MG	BH	201	1/1	0.92	0.23	-	55,55,55,55	0
59	MG	AA	3444	1/1	0.81	0.32	-	81,81,81,81	0
59	MG	AA	3891	1/1	0.93	0.30	-	105,105,105,105	0
59	MG	DA	4261	1/1	0.91	0.19	-	65,65,65,65	0
59	MG	BA	2144	1/1	0.80	0.18	-	75,75,75,75	0
59	MG	DA	4827	1/1	0.79	0.41	-	87,87,87,87	0
59	MG	BB	112	1/1	0.82	0.23	-	107,107,107,107	0
59	MG	DA	4748	1/1	0.98	0.09	-	83,83,83,83	0
59	MG	CA	1964	1/1	0.91	0.14	-	41,41,41,41	0
59	MG	BA	2262	1/1	0.73	0.14	-	90,90,90,90	0
59	MG	DA	4978	1/1	0.83	0.28	-	57,57,57,57	0
59	MG	DA	5010	1/1	0.91	0.32	-	68,68,68,68	0
59	MG	CA	1949	1/1	0.74	0.14	-	60,60,60,60	0
59	MG	AA	3680	1/1	0.89	0.34	-	71,71,71,71	0
59	MG	AA	3766	1/1	0.84	0.20	-	86,86,86,86	0
59	MG	DA	4621	1/1	0.86	0.30	-	92,92,92,92	0
59	MG	CA	1719	1/1	0.97	0.09	-	62,62,62,62	0
59	MG	DA	4302	1/1	0.69	0.10	-	102,102,102,102	0
59	MG	DA	3454	1/1	0.91	0.23	-	51,51,51,51	0
59	MG	BA	1617	1/1	0.98	0.34	-	44,44,44,44	0
59	MG	AA	4128	1/1	0.63	0.18	-	116,116,116,116	0
59	MG	AA	3858	1/1	0.93	0.21	-	76,76,76,76	0
59	MG	BA	1800	1/1	0.97	0.20	-	66,66,66,66	0
59	MG	BA	2192	1/1	0.90	0.17	-	102,102,102,102	0
59	MG	DA	5003	1/1	0.97	0.31	-	76,76,76,76	0
59	MG	DA	4792	1/1	0.90	0.21	-	113,113,113,113	0
59	MG	DA	4344	1/1	0.94	0.35	-	63,63,63,63	0
59	MG	DA	5024	1/1	0.94	0.15	-	43,43,43,43	0
59	MG	AA	4070	1/1	0.59	0.18	-	60,60,60,60	0
59	MG	AA	3760	1/1	0.85	0.36	-	85,85,85,85	0
59	MG	DO	207	1/1	0.92	0.12	-	37,37,37,37	0
59	MG	AA	3951	1/1	0.83	0.09	-	98,98,98,98	0
59	MG	AA	4084	1/1	0.87	0.08	-	86,86,86,86	0
59	MG	BD	116	1/1	0.23	0.37	-	129,129,129,129	0
59	MG	D1	208	1/1	0.81	0.19	-	58,58,58,58	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4639	1/1	0.94	0.12	-	75,75,75,75	0
59	MG	AA	3885	1/1	0.85	0.19	-	51,51,51,51	0
59	MG	DA	4465	1/1	0.97	0.26	-	48,48,48,48	0
59	MG	DA	3223	1/1	0.91	0.34	-	45,45,45,45	0
59	MG	DA	3789	1/1	0.92	0.13	-	45,45,45,45	0
59	MG	BA	2174	1/1	0.90	0.40	-	125,125,125,125	0
59	MG	DA	4496	1/1	0.69	0.36	-	81,81,81,81	0
59	MG	DA	3543	1/1	0.91	0.28	-	62,62,62,62	0
59	MG	BA	1673	1/1	0.69	0.20	-	73,73,73,73	0
59	MG	CA	2112	1/1	0.93	0.14	-	78,78,78,78	0
59	MG	DA	3775	1/1	0.80	0.18	-	87,87,87,87	0
59	MG	AA	3440	1/1	0.76	0.19	-	75,75,75,75	0
59	MG	BD	104	1/1	0.94	0.25	-	51,51,51,51	0
59	MG	BA	1964	1/1	0.85	0.46	-	78,78,78,78	0
59	MG	AA	3746	1/1	0.88	0.13	-	66,66,66,66	0
59	MG	AA	4043	1/1	0.97	0.71	-	132,132,132,132	0
59	MG	DA	4627	1/1	0.42	0.23	-	80,80,80,80	0
59	MG	CC	127	1/1	0.89	0.49	-	89,89,89,89	0
59	MG	AA	3247	1/1	0.90	0.11	-	47,47,47,47	0
59	MG	DA	4365	1/1	0.90	0.31	-	61,61,61,61	0
59	MG	CA	2005	1/1	0.86	0.10	-	55,55,55,55	0
59	MG	DU	214	1/1	0.92	0.27	-	62,62,62,62	0
59	MG	BW	205	1/1	0.73	0.18	-	91,91,91,91	0
59	MG	BA	2101	1/1	0.96	0.24	-	124,124,124,124	0
59	MG	AA	3540	1/1	0.87	0.27	-	61,61,61,61	0
59	MG	DA	3470	1/1	0.96	0.18	-	52,52,52,52	0
59	MG	AA	3740	1/1	0.84	0.13	-	60,60,60,60	0
59	MG	AA	3525	1/1	0.90	0.13	-	36,36,36,36	0
59	MG	CA	2243	1/1	0.99	0.12	-	53,53,53,53	0
59	MG	DT	102	1/1	0.84	0.23	-	60,60,60,60	0
59	MG	BA	2132	1/1	0.81	0.13	-	87,87,87,87	0
59	MG	BA	1734	1/1	0.88	0.14	-	76,76,76,76	0
59	MG	DU	209	1/1	0.86	0.37	-	96,96,96,96	0
59	MG	DA	3568	1/1	0.88	0.20	-	54,54,54,54	0
59	MG	AA	3144	1/1	0.80	0.21	-	69,69,69,69	0
59	MG	CA	1886	1/1	0.96	0.12	-	43,43,43,43	0
59	MG	DA	3212	1/1	0.98	0.20	-	30,30,30,30	0
59	MG	DA	3450	1/1	0.93	0.45	-	75,75,75,75	0
59	MG	D0	210	1/1	0.94	0.15	-	75,75,75,75	0
59	MG	DA	4148	1/1	0.90	0.39	-	63,63,63,63	0
59	MG	DA	4484	1/1	0.89	0.35	-	50,50,50,50	0
59	MG	DA	3922	1/1	0.93	0.21	-	69,69,69,69	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3479	1/1	0.96	0.13	-	59,59,59,59	0
59	MG	CA	2071	1/1	0.89	0.28	-	100,100,100,100	0
59	MG	CA	2043	1/1	0.87	0.50	-	100,100,100,100	0
59	MG	DA	5051	1/1	0.84	0.40	-	103,103,103,103	0
59	MG	AA	3560	1/1	0.90	0.20	-	37,37,37,37	0
59	MG	AA	3880	1/1	0.80	0.14	-	102,102,102,102	0
59	MG	DA	3298	1/1	0.92	0.17	-	97,97,97,97	0
59	MG	DA	4740	1/1	0.87	0.29	-	78,78,78,78	0
59	MG	BA	2022	1/1	0.74	0.10	-	104,104,104,104	0
59	MG	CA	1624	1/1	0.77	0.14	-	80,80,80,80	0
59	MG	DB	240	1/1	0.77	0.26	-	84,84,84,84	0
59	MG	DB	225	1/1	0.86	0.14	-	76,76,76,76	0
59	MG	DA	3886	1/1	0.99	0.04	-	48,48,48,48	0
59	MG	CA	2102	1/1	0.91	0.17	-	57,57,57,57	0
59	MG	DA	5074	1/1	0.85	0.09	-	67,67,67,67	0
59	MG	CA	2156	1/1	0.87	0.32	-	92,92,92,92	0
59	MG	BA	1904	1/1	0.98	0.21	-	38,38,38,38	0
59	MG	DA	4108	1/1	0.90	0.20	-	74,74,74,74	0
59	MG	DA	4861	1/1	0.87	0.28	-	74,74,74,74	0
59	MG	DA	5011	1/1	0.70	0.31	-	76,76,76,76	0
59	MG	BB	101	1/1	0.91	0.11	-	76,76,76,76	0
59	MG	AA	3044	1/1	0.90	0.32	-	36,36,36,36	0
59	MG	DD	311	1/1	0.89	0.13	-	65,65,65,65	0
59	MG	AA	3368	1/1	0.89	0.28	-	87,87,87,87	0
59	MG	DA	4185	1/1	0.78	0.44	-	88,88,88,88	0
59	MG	CA	1757	1/1	0.97	0.13	-	26,26,26,26	0
59	MG	DA	3778	1/1	0.96	0.10	-	18,18,18,18	0
59	MG	AA	4159	1/1	0.89	0.14	-	67,67,67,67	0
59	MG	AA	3586	1/1	0.94	0.04	-	41,41,41,41	0
59	MG	DA	4380	1/1	0.95	0.20	-	61,61,61,61	0
59	MG	BA	2234	1/1	0.72	0.25	-	108,108,108,108	0
59	MG	DA	3978	1/1	0.93	0.56	-	82,82,82,82	0
59	MG	BA	1624	1/1	0.87	0.18	-	84,84,84,84	0
59	MG	DB	215	1/1	0.87	0.31	-	66,66,66,66	0
59	MG	AA	3351	1/1	0.93	0.10	-	62,62,62,62	0
59	MG	CA	2199	1/1	0.89	0.10	-	106,106,106,106	0
59	MG	CB	101	1/1	0.78	0.33	-	64,64,64,64	0
59	MG	DA	3448	1/1	0.90	0.28	-	40,40,40,40	0
59	MG	DA	3373	1/1	0.90	0.33	-	40,40,40,40	0
59	MG	DA	3491	1/1	0.94	0.13	-	78,78,78,78	0
59	MG	DA	4064	1/1	0.94	0.12	-	56,56,56,56	0
59	MG	DA	4917	1/1	0.79	0.33	-	61,61,61,61	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3246	1/1	0.91	0.15	-	34,34,34,34	0
59	MG	AD	311	1/1	0.87	0.13	-	54,54,54,54	0
59	MG	BG	307	1/1	0.67	0.17	-	85,85,85,85	0
59	MG	B1	104	1/1	0.87	0.09	-	116,116,116,116	0
59	MG	DB	273	1/1	0.77	0.24	-	100,100,100,100	0
59	MG	DA	4590	1/1	0.89	0.54	-	81,81,81,81	0
59	MG	DA	3720	1/1	0.95	0.21	-	46,46,46,46	0
59	MG	DA	4688	1/1	0.80	0.41	-	83,83,83,83	0
59	MG	AA	4042	1/1	0.38	0.19	-	88,88,88,88	0
59	MG	DA	4466	1/1	0.91	0.25	-	73,73,73,73	0
59	MG	DA	4661	1/1	0.88	0.23	-	76,76,76,76	0
59	MG	DA	3548	1/1	0.93	0.25	-	58,58,58,58	0
59	MG	DA	4626	1/1	0.78	0.16	-	56,56,56,56	0
59	MG	BA	2210	1/1	0.88	0.09	-	78,78,78,78	0
59	MG	AA	3264	1/1	0.93	0.15	-	43,43,43,43	0
59	MG	DA	3705	1/1	0.96	0.07	-	1,1,1,1	0
59	MG	AA	3213	1/1	0.86	0.18	-	51,51,51,51	0
59	MG	AB	226	1/1	0.61	0.14	-	88,88,88,88	0
59	MG	BA	2259	1/1	0.98	0.18	-	101,101,101,101	0
59	MG	DA	3441	1/1	0.96	0.22	-	43,43,43,43	0
59	MG	AA	3289	1/1	0.89	0.24	-	90,90,90,90	0
59	MG	BA	2161	1/1	0.69	0.19	-	114,114,114,114	0
59	MG	DA	3976	1/1	0.91	0.62	-	37,37,37,37	0
59	MG	DA	4239	1/1	0.95	0.13	-	62,62,62,62	0
59	MG	BA	1888	1/1	0.87	0.28	-	67,67,67,67	0
59	MG	AA	3923	1/1	0.69	0.15	-	107,107,107,107	0
59	MG	AA	3038	1/1	0.92	0.23	-	68,68,68,68	0
59	MG	CA	1804	1/1	0.96	0.24	-	67,67,67,67	0
59	MG	CC	110	1/1	0.93	0.21	-	71,71,71,71	0
59	MG	CK	211	1/1	0.92	0.17	-	57,57,57,57	0
59	MG	AA	3667	1/1	0.51	0.28	-	79,79,79,79	0
59	MG	CC	111	1/1	0.85	0.31	-	68,68,68,68	0
59	MG	AA	4146	1/1	0.90	0.21	-	90,90,90,90	0
59	MG	DA	3847	1/1	0.68	0.26	-	81,81,81,81	0
59	MG	BD	115	1/1	0.97	0.09	-	61,61,61,61	0
59	MG	BA	1991	1/1	0.87	0.29	-	91,91,91,91	0
59	MG	AA	3700	1/1	0.93	0.20	-	58,58,58,58	0
59	MG	BA	2230	1/1	0.59	0.28	-	111,111,111,111	0
59	MG	DA	4451	1/1	0.83	0.32	-	63,63,63,63	0
59	MG	AA	4123	1/1	0.89	0.14	-	55,55,55,55	0
59	MG	DA	3363	1/1	0.93	0.07	-	36,36,36,36	0
59	MG	BA	2169	1/1	0.71	0.18	-	98,98,98,98	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2036	1/1	0.62	0.27	-	86,86,86,86	0
59	MG	AA	3219	1/1	0.85	0.30	-	81,81,81,81	0
59	MG	DA	3950	1/1	0.96	0.26	-	117,117,117,117	0
59	MG	A8	101	1/1	0.93	0.09	-	45,45,45,45	0
59	MG	AA	3862	1/1	0.90	0.21	-	75,75,75,75	0
59	MG	BA	2237	1/1	0.84	0.11	-	77,77,77,77	0
59	MG	DA	5041	1/1	0.66	0.39	-	57,57,57,57	0
59	MG	AA	3153	1/1	0.89	0.11	-	40,40,40,40	0
59	MG	DA	3883	1/1	0.77	0.14	-	74,74,74,74	0
59	MG	DA	3921	1/1	0.95	0.21	-	24,24,24,24	0
59	MG	DU	211	1/1	0.62	0.26	-	116,116,116,116	0
59	MG	AA	4051	1/1	0.69	0.29	-	106,106,106,106	0
59	MG	D5	104	1/1	0.92	0.11	-	38,38,38,38	0
59	MG	DA	3409	1/1	0.85	0.24	-	44,44,44,44	0
59	MG	DA	3361	1/1	0.96	0.13	-	50,50,50,50	0
59	MG	DA	3496	1/1	0.88	0.14	-	47,47,47,47	0
59	MG	DA	3522	1/1	0.87	0.35	-	63,63,63,63	0
59	MG	AA	4145	1/1	0.97	0.23	-	77,77,77,77	0
59	MG	BA	1794	1/1	0.98	0.22	-	49,49,49,49	0
59	MG	BW	202	1/1	0.79	0.11	-	73,73,73,73	0
59	MG	DA	3808	1/1	0.95	0.13	-	77,77,77,77	0
59	MG	DA	4963	1/1	0.96	0.12	-	63,63,63,63	0
59	MG	DB	242	1/1	0.94	0.31	-	61,61,61,61	0
59	MG	AB	231	1/1	0.88	0.21	-	94,94,94,94	0
59	MG	BA	2024	1/1	0.95	0.10	-	111,111,111,111	0
59	MG	CA	1967	1/1	0.95	0.21	-	56,56,56,56	0
59	MG	BA	2065	1/1	0.93	0.14	-	73,73,73,73	0
59	MG	AA	4108	1/1	0.95	0.13	-	136,136,136,136	0
59	MG	DA	3295	1/1	0.98	0.21	-	14,14,14,14	0
59	MG	CA	2104	1/1	0.92	0.07	-	67,67,67,67	0
59	MG	AA	3002	1/1	0.96	0.11	-	14,14,14,14	0
59	MG	AA	3295	1/1	0.93	0.34	-	62,62,62,62	0
59	MG	CA	2028	1/1	0.86	0.23	-	71,71,71,71	0
59	MG	BB	106	1/1	0.49	0.40	-	116,116,116,116	0
59	MG	CA	1912	1/1	0.82	0.40	-	81,81,81,81	0
59	MG	CA	1832	1/1	0.97	0.15	-	115,115,115,115	0
59	MG	CA	1950	1/1	0.87	0.21	-	86,86,86,86	0
59	MG	DA	3958	1/1	0.92	0.11	-	55,55,55,55	0
59	MG	DA	4233	1/1	0.92	0.35	-	69,69,69,69	0
59	MG	DA	4698	1/1	0.39	0.82	-	104,104,104,104	0
59	MG	DA	4957	1/1	0.89	0.07	-	86,86,86,86	0
59	MG	DA	4447	1/1	0.82	0.23	-	63,63,63,63	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4472	1/1	0.91	0.21	-	56,56,56,56	0
59	MG	DA	4399	1/1	0.92	0.25	-	47,47,47,47	0
59	MG	AA	4135	1/1	0.93	0.14	-	64,64,64,64	0
59	MG	DA	3264	1/1	0.93	0.26	-	28,28,28,28	0
59	MG	DA	4491	1/1	0.89	0.11	-	66,66,66,66	0
59	MG	DA	4025	1/1	0.99	0.07	-	48,48,48,48	0
59	MG	CA	1879	1/1	0.92	0.43	-	58,58,58,58	0
59	MG	CA	2211	1/1	0.88	0.48	-	90,90,90,90	0
59	MG	DA	4062	1/1	0.80	0.18	-	49,49,49,49	0
59	MG	CC	124	1/1	0.86	0.30	-	77,77,77,77	0
59	MG	AK	202	1/1	0.80	0.11	-	75,75,75,75	0
59	MG	AA	3873	1/1	0.80	0.24	-	87,87,87,87	0
59	MG	AA	4064	1/1	0.83	0.11	-	76,76,76,76	0
59	MG	BA	2000	1/1	0.88	0.17	-	93,93,93,93	0
59	MG	AA	3924	1/1	0.98	0.09	-	79,79,79,79	0
59	MG	AA	3055	1/1	0.95	0.17	-	33,33,33,33	0
59	MG	DG	203	1/1	0.80	0.21	-	64,64,64,64	0
59	MG	BA	1626	1/1	0.90	0.30	-	68,68,68,68	0
59	MG	CA	2000	1/1	0.89	0.10	-	99,99,99,99	0
59	MG	CA	1891	1/1	0.96	0.26	-	56,56,56,56	0
59	MG	AA	4001	1/1	0.85	0.25	-	83,83,83,83	0
59	MG	AG	201	1/1	0.87	0.12	-	86,86,86,86	0
59	MG	CA	1894	1/1	0.75	0.23	-	60,60,60,60	0
59	MG	CA	1896	1/1	0.73	0.16	-	73,73,73,73	0
59	MG	AA	3238	1/1	0.83	0.18	-	63,63,63,63	0
59	MG	DA	4020	1/1	0.97	0.21	-	153,153,153,153	0
59	MG	DA	3942	1/1	0.94	0.17	-	64,64,64,64	0
59	MG	DA	4142	1/1	0.91	0.19	-	29,29,29,29	0
59	MG	CA	1820	1/1	0.94	0.08	-	67,67,67,67	0
59	MG	BA	1699	1/1	0.85	0.23	-	90,90,90,90	0
59	MG	DA	4053	1/1	0.74	0.22	-	75,75,75,75	0
59	MG	DA	3367	1/1	0.45	0.62	-	91,91,91,91	0
59	MG	BA	2136	1/1	0.82	0.11	-	117,117,117,117	0
59	MG	D4	101	1/1	0.89	0.36	-	96,96,96,96	0
59	MG	AA	3067	1/1	0.90	0.16	-	37,37,37,37	0
59	MG	AA	3464	1/1	0.88	0.20	-	61,61,61,61	0
59	MG	DA	4423	1/1	0.94	0.28	-	73,73,73,73	0
59	MG	DA	3550	1/1	0.94	0.23	-	96,96,96,96	0
59	MG	CA	1874	1/1	0.98	0.08	-	55,55,55,55	0
59	MG	DA	4101	1/1	0.95	0.24	-	82,82,82,82	0
59	MG	DA	3497	1/1	0.96	0.41	-	38,38,38,38	0
59	MG	DA	3957	1/1	0.87	0.14	-	62,62,62,62	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2167	1/1	0.50	0.22	-	97,97,97,97	0
59	MG	CA	1826	1/1	0.95	0.05	-	83,83,83,83	0
59	MG	BA	1741	1/1	0.79	0.21	-	85,85,85,85	0
59	MG	BA	2202	1/1	0.90	0.41	-	87,87,87,87	0
59	MG	AA	3816	1/1	0.88	0.44	-	73,73,73,73	0
59	MG	CA	1872	1/1	0.96	0.08	-	74,74,74,74	0
59	MG	BB	110	1/1	0.83	0.19	-	69,69,69,69	0
59	MG	DA	3325	1/1	0.92	0.24	-	62,62,62,62	0
59	MG	DA	3362	1/1	0.96	0.24	-	35,35,35,35	0
59	MG	AA	3883	1/1	0.73	0.32	-	100,100,100,100	0
59	MG	AA	3138	1/1	0.99	0.17	-	19,19,19,19	0
59	MG	DA	4251	1/1	0.98	0.15	-	51,51,51,51	0
59	MG	CA	1749	1/1	0.94	0.13	-	68,68,68,68	0
59	MG	DW	104	1/1	0.94	0.16	-	49,49,49,49	0
59	MG	BA	1612	1/1	0.73	0.49	-	90,90,90,90	0
59	MG	CA	2286	1/1	0.84	0.16	-	67,67,67,67	0
59	MG	AA	3763	1/1	0.97	0.12	-	48,48,48,48	0
59	MG	BA	2007	1/1	0.87	0.21	-	106,106,106,106	0
59	MG	DA	4438	1/1	0.90	0.39	-	89,89,89,89	0
59	MG	AA	3322	1/1	0.91	0.17	-	58,58,58,58	0
59	MG	AA	3496	1/1	0.81	0.10	-	63,63,63,63	0
59	MG	DA	4141	1/1	0.93	0.55	-	66,66,66,66	0
59	MG	DA	3364	1/1	0.89	0.27	-	54,54,54,54	0
59	MG	AA	4158	1/1	0.94	0.14	-	93,93,93,93	0
59	MG	DA	3133	1/1	0.98	0.31	-	45,45,45,45	0
59	MG	CA	1678	1/1	0.86	0.48	-	65,65,65,65	0
59	MG	DA	3524	1/1	0.93	0.07	-	32,32,32,32	0
59	MG	A7	104	1/1	0.93	0.27	-	88,88,88,88	0
59	MG	AA	3736	1/1	0.86	0.18	-	72,72,72,72	0
59	MG	DR	201	1/1	0.91	0.14	-	72,72,72,72	0
59	MG	AA	3785	1/1	0.94	0.27	-	89,89,89,89	0
59	MG	DA	4288	1/1	0.95	0.22	-	72,72,72,72	0
59	MG	DA	4321	1/1	0.60	0.28	-	70,70,70,70	0
59	MG	DA	4161	1/1	0.96	0.39	-	61,61,61,61	0
59	MG	CA	2084	1/1	0.67	0.12	-	77,77,77,77	0
59	MG	BA	1787	1/1	0.97	0.23	-	49,49,49,49	0
59	MG	DA	4011	1/1	0.95	0.17	-	52,52,52,52	0
59	MG	BA	2003	1/1	0.74	0.17	-	98,98,98,98	0
59	MG	AA	3191	1/1	0.99	0.28	-	31,31,31,31	0
59	MG	BA	2095	1/1	0.92	0.26	-	67,67,67,67	0
59	MG	DA	3938	1/1	0.97	0.08	-	96,96,96,96	0
59	MG	DA	4823	1/1	0.79	0.24	-	71,71,71,71	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3109	1/1	0.98	0.27	-	40,40,40,40	0
59	MG	AD	302	1/1	0.91	0.16	-	71,71,71,71	0
59	MG	CA	1887	1/1	0.39	0.32	-	92,92,92,92	0
59	MG	AA	3326	1/1	0.97	0.10	-	22,22,22,22	0
59	MG	BA	2002	1/1	0.90	0.23	-	73,73,73,73	0
59	MG	AA	4161	1/1	0.92	0.15	-	68,68,68,68	0
59	MG	AA	3467	1/1	0.92	0.29	-	55,55,55,55	0
59	MG	BA	1785	1/1	0.68	0.32	-	67,67,67,67	0
59	MG	DA	3488	1/1	0.93	0.25	-	37,37,37,37	0
59	MG	DA	4266	1/1	0.89	0.13	-	64,64,64,64	0
59	MG	DA	3477	1/1	0.98	0.24	-	171,171,171,171	0
59	MG	BA	2066	1/1	0.81	0.38	-	105,105,105,105	0
59	MG	DO	206	1/1	0.88	0.31	-	51,51,51,51	0
59	MG	DA	4119	1/1	0.89	0.12	-	47,47,47,47	0
59	MG	DW	101	1/1	0.87	0.26	-	49,49,49,49	0
59	MG	BA	2221	1/1	0.84	0.13	-	75,75,75,75	0
59	MG	DA	4504	1/1	0.80	0.36	-	82,82,82,82	0
59	MG	AA	3221	1/1	0.91	0.33	-	63,63,63,63	0
59	MG	DA	4400	1/1	0.97	0.24	-	83,83,83,83	0
59	MG	AA	3407	1/1	0.84	0.43	-	78,78,78,78	0
59	MG	AA	3875	1/1	0.95	0.06	-	67,67,67,67	0
59	MG	BA	2041	1/1	0.89	0.44	-	91,91,91,91	0
59	MG	DA	4938	1/1	0.89	0.12	-	55,55,55,55	0
59	MG	AA	3611	1/1	0.87	0.08	-	70,70,70,70	0
59	MG	AA	3881	1/1	0.93	0.12	-	72,72,72,72	0
59	MG	DA	3484	1/1	0.84	0.34	-	76,76,76,76	0
59	MG	CA	1673	1/1	0.95	0.20	-	97,97,97,97	0
59	MG	DA	4515	1/1	0.92	0.19	-	60,60,60,60	0
59	MG	AA	3405	1/1	0.88	0.36	-	73,73,73,73	0
59	MG	DA	4608	1/1	0.90	0.17	-	47,47,47,47	0
59	MG	BA	2015	1/1	0.93	0.16	-	71,71,71,71	0
59	MG	BA	2073	1/1	0.91	0.08	-	81,81,81,81	0
59	MG	BA	2248	1/1	0.97	0.07	-	61,61,61,61	0
59	MG	DA	4212	1/1	0.97	0.21	-	54,54,54,54	0
59	MG	AA	3658	1/1	0.75	0.23	-	64,64,64,64	0
59	MG	AB	211	1/1	0.83	0.34	-	77,77,77,77	0
59	MG	A7	102	1/1	0.80	0.41	-	59,59,59,59	0
59	MG	CA	1655	1/1	0.97	0.12	-	18,18,18,18	0
59	MG	DA	3208	1/1	0.84	0.26	-	72,72,72,72	0
59	MG	DA	4170	1/1	0.94	0.32	-	46,46,46,46	0
59	MG	AA	3619	1/1	0.94	0.08	-	64,64,64,64	0
59	MG	AA	3072	1/1	0.95	0.23	-	21,21,21,21	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1812	1/1	0.89	0.27	-	136,136,136,136	0
59	MG	AA	3999	1/1	0.87	0.15	-	57,57,57,57	0
59	MG	CA	2092	1/1	0.85	0.42	-	94,94,94,94	0
59	MG	DA	3089	1/1	0.99	0.36	-	23,23,23,23	0
59	MG	CD	116	1/1	0.91	0.15	-	78,78,78,78	0
59	MG	AA	4025	1/1	0.85	0.23	-	86,86,86,86	0
59	MG	DA	3843	1/1	0.76	0.22	-	53,53,53,53	0
59	MG	CA	2257	1/1	0.91	0.26	-	60,60,60,60	0
59	MG	DA	3074	1/1	0.92	0.22	-	22,22,22,22	0
59	MG	AA	4154	1/1	0.87	0.19	-	89,89,89,89	0
59	MG	CA	2272	1/1	0.81	0.09	-	147,147,147,147	0
59	MG	AA	3958	1/1	0.84	0.31	-	94,94,94,94	0
59	MG	DA	4337	1/1	0.92	0.21	-	58,58,58,58	0
59	MG	AA	3413	1/1	0.80	0.49	-	95,95,95,95	0
59	MG	AA	3650	1/1	0.97	0.10	-	70,70,70,70	0
59	MG	AA	3200	1/1	0.96	0.34	-	83,83,83,83	0
59	MG	AA	3420	1/1	0.86	0.25	-	68,68,68,68	0
59	MG	BD	126	1/1	0.77	0.41	-	133,133,133,133	0
59	MG	AA	3748	1/1	0.90	0.09	-	84,84,84,84	0
59	MG	DA	3340	1/1	0.91	0.24	-	37,37,37,37	0
59	MG	AA	3241	1/1	0.90	0.15	-	59,59,59,59	0
59	MG	DA	3261	1/1	0.94	0.20	-	34,34,34,34	0
59	MG	DA	3645	1/1	0.82	0.15	-	61,61,61,61	0
59	MG	AA	3765	1/1	0.83	0.29	-	74,74,74,74	0
59	MG	AA	3327	1/1	0.94	0.21	-	45,45,45,45	0
59	MG	AA	3591	1/1	0.61	0.22	-	106,106,106,106	0
59	MG	CA	1831	1/1	0.95	0.13	-	132,132,132,132	0
59	MG	AA	4101	1/1	0.90	0.27	-	99,99,99,99	0
59	MG	CA	1663	1/1	0.93	0.10	-	52,52,52,52	0
59	MG	DA	4147	1/1	0.96	0.33	-	42,42,42,42	0
59	MG	CA	1737	1/1	0.93	0.20	-	77,77,77,77	0
59	MG	CA	1951	1/1	0.83	0.08	-	82,82,82,82	0
59	MG	DA	3754	1/1	0.92	0.08	-	107,107,107,107	0
59	MG	CA	1783	1/1	0.89	0.14	-	56,56,56,56	0
59	MG	DA	4847	1/1	0.96	0.16	-	117,117,117,117	0
59	MG	DA	4549	1/1	0.80	0.14	-	98,98,98,98	0
59	MG	AA	3217	1/1	0.98	0.44	-	57,57,57,57	0
59	MG	DA	4137	1/1	0.94	0.21	-	39,39,39,39	0
59	MG	CA	2106	1/1	0.86	0.11	-	83,83,83,83	0
59	MG	DA	4676	1/1	0.93	0.46	-	82,82,82,82	0
59	MG	BA	2033	1/1	0.52	0.15	-	94,94,94,94	0
59	MG	DA	4052	1/1	0.91	0.16	-	178,178,178,178	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3847	1/1	0.94	0.17	-	84,84,84,84	0
59	MG	DM	206	1/1	0.81	0.39	-	85,85,85,85	0
59	MG	DA	4831	1/1	0.76	0.24	-	82,82,82,82	0
59	MG	DB	258	1/1	0.90	0.38	-	77,77,77,77	0
59	MG	DA	3905	1/1	0.86	0.20	-	61,61,61,61	0
59	MG	BA	2138	1/1	0.62	0.17	-	74,74,74,74	0
59	MG	DA	3741	1/1	0.69	0.42	-	76,76,76,76	0
59	MG	CA	1796	1/1	0.92	0.14	-	67,67,67,67	0
59	MG	DA	4857	1/1	0.88	0.20	-	56,56,56,56	0
59	MG	CA	1677	1/1	0.84	0.26	-	89,89,89,89	0
59	MG	CA	1682	1/1	0.91	0.26	-	36,36,36,36	0
59	MG	BA	1979	1/1	0.90	0.22	-	73,73,73,73	0
59	MG	BA	1847	1/1	0.95	0.09	-	74,74,74,74	0
59	MG	DF	325	1/1	0.91	0.14	-	47,47,47,47	0
59	MG	BA	1764	1/1	0.96	0.08	-	50,50,50,50	0
59	MG	DX	102	1/1	0.82	0.14	-	62,62,62,62	0
59	MG	AA	4034	1/1	0.95	0.11	-	100,100,100,100	0
59	MG	AA	3473	1/1	0.94	0.13	-	63,63,63,63	0
59	MG	CA	1601	1/1	0.93	0.08	-	41,41,41,41	0
59	MG	DA	3495	1/1	0.86	0.21	-	51,51,51,51	0
59	MG	CA	2279	1/1	0.90	0.22	-	67,67,67,67	0
59	MG	DA	5000	1/1	0.88	0.45	-	71,71,71,71	0
59	MG	AA	3025	1/1	0.87	0.29	-	38,38,38,38	0
59	MG	DA	4107	1/1	0.94	0.15	-	49,49,49,49	0
59	MG	AA	3786	1/1	0.89	0.51	-	107,107,107,107	0
59	MG	AA	3855	1/1	0.81	0.10	-	72,72,72,72	0
59	MG	DA	4578	1/1	0.93	0.16	-	95,95,95,95	0
59	MG	BA	2257	1/1	0.79	0.10	-	85,85,85,85	0
59	MG	DB	259	1/1	0.95	0.35	-	69,69,69,69	0
59	MG	BA	1805	1/1	0.83	0.42	-	99,99,99,99	0
59	MG	DA	5042	1/1	0.53	0.39	-	106,106,106,106	0
59	MG	DA	3565	1/1	0.93	0.20	-	55,55,55,55	0
59	MG	BA	2215	1/1	0.52	0.24	-	79,79,79,79	0
59	MG	CC	119	1/1	0.94	0.16	-	46,46,46,46	0
59	MG	AA	3311	1/1	0.94	0.30	-	49,49,49,49	0
59	MG	DA	5006	1/1	0.90	0.18	-	61,61,61,61	0
59	MG	DA	3224	1/1	0.96	0.11	-	31,31,31,31	0
59	MG	DA	3168	1/1	0.82	0.17	-	40,40,40,40	0
59	MG	DA	4083	1/1	0.88	0.23	-	52,52,52,52	0
59	MG	AA	3774	1/1	0.95	0.18	-	79,79,79,79	0
59	MG	DA	5018	1/1	0.92	0.27	-	89,89,89,89	0
59	MG	AA	3637	1/1	0.89	0.12	-	54,54,54,54	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2155	1/1	0.94	0.15	-	71,71,71,71	0
59	MG	DA	3616	1/1	0.97	0.21	-	64,64,64,64	0
59	MG	CG	304	1/1	0.89	0.10	-	95,95,95,95	0
59	MG	BA	1975	1/1	0.90	0.30	-	109,109,109,109	0
59	MG	AA	4097	1/1	0.76	0.47	-	109,109,109,109	0
59	MG	AB	234	1/1	0.87	0.25	-	105,105,105,105	0
59	MG	AA	4143	1/1	0.90	0.49	-	112,112,112,112	0
59	MG	AA	3539	1/1	0.86	0.09	-	50,50,50,50	0
59	MG	AA	3472	1/1	0.98	0.17	-	59,59,59,59	0
59	MG	DA	4574	1/1	0.74	0.31	-	73,73,73,73	0
59	MG	BA	1700	1/1	0.87	0.23	-	46,46,46,46	0
59	MG	DU	213	1/1	0.87	0.34	-	70,70,70,70	0
59	MG	DA	4681	1/1	0.62	0.43	-	118,118,118,118	0
59	MG	DA	3814	1/1	0.85	0.19	-	67,67,67,67	0
59	MG	AD	301	1/1	0.96	0.09	-	36,36,36,36	0
59	MG	DA	3426	1/1	0.93	0.41	-	39,39,39,39	0
59	MG	BA	1708	1/1	0.95	0.25	-	57,57,57,57	0
59	MG	A6	102	1/1	0.94	0.07	-	60,60,60,60	0
59	MG	BD	108	1/1	0.78	0.13	-	82,82,82,82	0
59	MG	DA	3968	1/1	0.81	0.30	-	55,55,55,55	0
59	MG	DA	3857	1/1	0.82	0.48	-	78,78,78,78	0
59	MG	AA	3089	1/1	0.82	0.37	-	70,70,70,70	0
59	MG	DA	3795	1/1	0.71	0.34	-	88,88,88,88	0
59	MG	BA	2105	1/1	0.90	0.17	-	117,117,117,117	0
59	MG	CA	2109	1/1	0.77	0.11	-	74,74,74,74	0
59	MG	DA	4145	1/1	0.95	0.21	-	44,44,44,44	0
59	MG	DA	4610	1/1	0.87	0.09	-	114,114,114,114	0
59	MG	DA	4741	1/1	0.84	0.20	-	62,62,62,62	0
59	MG	DA	4072	1/1	0.95	0.11	-	48,48,48,48	0
59	MG	AA	3906	1/1	0.94	0.30	-	67,67,67,67	0
59	MG	BA	1829	1/1	0.83	0.17	-	75,75,75,75	0
59	MG	BA	1677	1/1	0.89	0.26	-	52,52,52,52	0
59	MG	AA	3080	1/1	0.87	0.14	-	41,41,41,41	0
59	MG	AA	3558	1/1	0.93	0.12	-	50,50,50,50	0
59	MG	DA	4862	1/1	0.90	0.12	-	66,66,66,66	0
59	MG	DA	3472	1/1	0.85	0.32	-	55,55,55,55	0
59	MG	AA	4061	1/1	0.91	0.27	-	79,79,79,79	0
59	MG	AA	4033	1/1	0.86	0.34	-	83,83,83,83	0
59	MG	AA	3097	1/1	0.85	0.10	-	73,73,73,73	0
59	MG	CA	1863	1/1	0.90	0.17	-	66,66,66,66	0
59	MG	DA	3526	1/1	0.76	0.16	-	46,46,46,46	0
59	MG	DA	3202	1/1	0.92	0.20	-	37,37,37,37	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4646	1/1	0.89	0.21	-	69,69,69,69	0
59	MG	BA	1994	1/1	0.79	0.15	-	107,107,107,107	0
59	MG	BF	301	1/1	0.63	0.17	-	104,104,104,104	0
59	MG	CA	1888	1/1	0.93	0.41	-	72,72,72,72	0
59	MG	BA	1671	1/1	0.91	0.24	-	50,50,50,50	0
59	MG	CA	2054	1/1	0.95	0.08	-	62,62,62,62	0
59	MG	BA	1691	1/1	0.95	0.04	-	65,65,65,65	0
59	MG	DA	4319	1/1	0.91	0.23	-	67,67,67,67	0
59	MG	BA	2225	1/1	0.86	0.13	-	98,98,98,98	0
59	MG	CA	2310	1/1	0.89	0.12	-	127,127,127,127	0
59	MG	AA	3209	1/1	0.97	0.21	-	77,77,77,77	0
59	MG	AA	3383	1/1	0.97	0.14	-	24,24,24,24	0
59	MG	DF	319	1/1	0.92	0.15	-	67,67,67,67	0
59	MG	D2	204	1/1	0.91	0.47	-	51,51,51,51	0
59	MG	D2	201	1/1	0.95	0.17	-	48,48,48,48	0
59	MG	AA	3745	1/1	0.94	0.18	-	57,57,57,57	0
59	MG	DA	3769	1/1	0.71	0.35	-	72,72,72,72	0
59	MG	DA	3394	1/1	0.97	0.31	-	43,43,43,43	0
59	MG	AA	3947	1/1	0.93	0.24	-	84,84,84,84	0
59	MG	AB	236	1/1	0.91	0.22	-	64,64,64,64	0
59	MG	CA	2140	1/1	0.91	0.07	-	110,110,110,110	0
59	MG	DA	4431	1/1	0.69	0.19	-	87,87,87,87	0
59	MG	CA	2049	1/1	0.82	0.39	-	113,113,113,113	0
59	MG	DA	3971	1/1	0.89	0.21	-	66,66,66,66	0
59	MG	DA	5066	1/1	0.75	0.34	-	61,61,61,61	0
59	MG	AA	3691	1/1	0.95	0.18	-	79,79,79,79	0
59	MG	CA	1935	1/1	0.78	0.17	-	45,45,45,45	0
59	MG	D3	107	1/1	0.79	0.16	-	53,53,53,53	0
59	MG	CA	2113	1/1	0.97	0.29	-	68,68,68,68	0
59	MG	DA	4558	1/1	0.91	0.26	-	86,86,86,86	0
59	MG	DA	3034	1/1	0.99	0.24	-	11,11,11,11	0
59	MG	DA	4116	1/1	0.94	0.36	-	78,78,78,78	0
59	MG	BA	1929	1/1	0.47	0.09	-	85,85,85,85	0
59	MG	BA	2034	1/1	0.94	0.21	-	68,68,68,68	0
59	MG	DA	3947	1/1	0.89	0.07	-	72,72,72,72	0
59	MG	AA	3059	1/1	0.57	0.23	-	68,68,68,68	0
59	MG	CD	113	1/1	0.95	0.09	-	75,75,75,75	0
59	MG	CA	2214	1/1	0.72	0.16	-	104,104,104,104	0
59	MG	DB	202	1/1	0.96	0.28	-	48,48,48,48	0
59	MG	CA	2142	1/1	0.82	0.51	-	110,110,110,110	0
59	MG	AA	4105	1/1	0.86	0.10	-	106,106,106,106	0
59	MG	DA	3682	1/1	0.78	0.16	-	83,83,83,83	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AQ	204	1/1	0.59	0.13	-	80,80,80,80	0
59	MG	DF	309	1/1	0.78	0.24	-	46,46,46,46	0
59	MG	DA	3263	1/1	0.87	0.15	-	24,24,24,24	0
59	MG	AA	3516	1/1	0.94	0.14	-	35,35,35,35	0
59	MG	DA	3098	1/1	0.93	0.12	-	34,34,34,34	0
59	MG	AA	3783	1/1	0.95	0.22	-	86,86,86,86	0
59	MG	CA	2066	1/1	0.93	0.32	-	77,77,77,77	0
59	MG	AA	3573	1/1	0.90	0.19	-	44,44,44,44	0
59	MG	AF	302	1/1	0.89	0.18	-	69,69,69,69	0
59	MG	AA	3328	1/1	0.96	0.15	-	32,32,32,32	0
59	MG	DA	3075	1/1	0.97	0.24	-	19,19,19,19	0
59	MG	AA	3893	1/1	0.90	0.15	-	67,67,67,67	0
59	MG	CA	2155	1/1	0.84	0.19	-	65,65,65,65	0
59	MG	BA	1712	1/1	0.79	0.35	-	56,56,56,56	0
59	MG	CA	1800	1/1	0.85	0.07	-	89,89,89,89	0
59	MG	CA	2168	1/1	0.95	0.23	-	108,108,108,108	0
59	MG	DA	4948	1/1	0.69	0.51	-	126,126,126,126	0
59	MG	AA	3123	1/1	0.93	0.20	-	47,47,47,47	0
59	MG	CW	201	1/1	0.70	0.41	-	89,89,89,89	0
59	MG	CA	1736	1/1	0.97	0.17	-	30,30,30,30	0
59	MG	AA	3940	1/1	0.98	0.32	-	61,61,61,61	0
59	MG	AA	3565	1/1	0.62	0.36	-	89,89,89,89	0
59	MG	DA	4840	1/1	0.93	0.29	-	111,111,111,111	0
59	MG	AA	3994	1/1	0.88	0.11	-	68,68,68,68	0
59	MG	DA	4970	1/1	0.94	0.35	-	87,87,87,87	0
59	MG	CA	1691	1/1	0.93	0.16	-	33,33,33,33	0
59	MG	DA	4238	1/1	0.94	0.21	-	52,52,52,52	0
59	MG	DA	3653	1/1	0.85	0.30	-	61,61,61,61	0
59	MG	BA	2077	1/1	0.75	0.16	-	74,74,74,74	0
59	MG	CA	1993	1/1	0.94	0.08	-	91,91,91,91	0
59	MG	AA	3194	1/1	0.86	0.14	-	56,56,56,56	0
59	MG	CA	1743	1/1	0.84	0.17	-	81,81,81,81	0
59	MG	BA	1935	1/1	0.91	0.22	-	95,95,95,95	0
59	MG	AA	3717	1/1	0.53	0.42	-	106,106,106,106	0
59	MG	DA	3630	1/1	0.92	0.27	-	71,71,71,71	0
59	MG	AA	3676	1/1	0.91	0.45	-	81,81,81,81	0
59	MG	AA	4133	1/1	0.41	0.50	-	127,127,127,127	0
59	MG	DA	3551	1/1	0.93	0.28	-	29,29,29,29	0
59	MG	AA	4164	1/1	0.95	0.16	-	80,80,80,80	0
59	MG	DA	3186	1/1	0.92	0.16	-	39,39,39,39	0
59	MG	BA	2195	1/1	0.85	0.14	-	67,67,67,67	0
59	MG	DA	3839	1/1	0.92	0.17	-	54,54,54,54	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3769	1/1	0.90	0.09	-	80,80,80,80	0
59	MG	BA	2069	1/1	0.82	0.49	-	105,105,105,105	0
59	MG	CA	2158	1/1	0.91	0.14	-	58,58,58,58	0
59	MG	DA	4853	1/1	0.92	0.21	-	80,80,80,80	0
59	MG	CK	201	1/1	0.93	0.33	-	102,102,102,102	0
59	MG	CA	2144	1/1	0.94	0.20	-	61,61,61,61	0
59	MG	AA	3556	1/1	0.93	0.19	-	74,74,74,74	0
59	MG	CA	2120	1/1	0.81	0.30	-	84,84,84,84	0
59	MG	CC	106	1/1	0.81	0.24	-	60,60,60,60	0
59	MG	AA	4015	1/1	0.76	0.39	-	104,104,104,104	0
59	MG	DA	4960	1/1	0.85	0.25	-	77,77,77,77	0
59	MG	CA	1621	1/1	0.94	0.16	-	45,45,45,45	0
59	MG	CA	1980	1/1	0.67	0.38	-	83,83,83,83	0
59	MG	DA	3989	1/1	0.33	0.12	-	110,110,110,110	0
59	MG	BA	1892	1/1	0.86	0.09	-	75,75,75,75	0
59	MG	BA	1996	1/1	0.88	0.32	-	86,86,86,86	0
59	MG	CA	1939	1/1	0.95	0.06	-	81,81,81,81	0
59	MG	AA	3454	1/1	0.86	0.17	-	67,67,67,67	0
59	MG	BA	1807	1/1	0.98	0.15	-	63,63,63,63	0
59	MG	AA	3841	1/1	0.81	0.25	-	85,85,85,85	0
59	MG	DA	4181	1/1	0.94	0.20	-	81,81,81,81	0
59	MG	DA	3451	1/1	0.84	0.51	-	76,76,76,76	0
59	MG	DA	4312	1/1	0.99	0.20	-	49,49,49,49	0
59	MG	DA	3280	1/1	0.95	0.12	-	32,32,32,32	0
59	MG	CA	2239	1/1	0.90	0.13	-	65,65,65,65	0
59	MG	DA	3016	1/1	0.99	0.17	-	4,4,4,4	0
59	MG	CA	2235	1/1	0.84	0.23	-	70,70,70,70	0
59	MG	CA	2251	1/1	0.78	0.16	-	93,93,93,93	0
59	MG	AA	3949	1/1	0.90	0.06	-	71,71,71,71	0
59	MG	DA	3842	1/1	0.81	0.10	-	54,54,54,54	0
59	MG	DA	4591	1/1	0.90	0.30	-	107,107,107,107	0
59	MG	AA	3901	1/1	0.93	0.19	-	52,52,52,52	0
59	MG	AU	202	1/1	0.78	0.23	-	76,76,76,76	0
59	MG	AA	3601	1/1	0.96	0.10	-	73,73,73,73	0
59	MG	DA	4190	1/1	0.75	0.08	-	70,70,70,70	0
59	MG	DA	3643	1/1	0.86	0.24	-	62,62,62,62	0
59	MG	CA	2077	1/1	0.71	0.14	-	96,96,96,96	0
59	MG	AA	3617	1/1	0.95	0.06	-	59,59,59,59	0
59	MG	CA	1709	1/1	0.76	0.17	-	55,55,55,55	0
59	MG	DA	3595	1/1	0.89	0.23	-	38,38,38,38	0
59	MG	BC	114	1/1	0.84	0.19	-	58,58,58,58	0
59	MG	DA	4446	1/1	0.90	0.11	-	54,54,54,54	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4522	1/1	0.87	0.25	-	64,64,64,64	0
59	MG	DA	4539	1/1	0.77	0.34	-	85,85,85,85	0
59	MG	DA	4028	1/1	0.87	0.24	-	48,48,48,48	0
59	MG	BA	2119	1/1	0.75	0.16	-	67,67,67,67	0
59	MG	DA	4884	1/1	0.90	0.16	-	73,73,73,73	0
59	MG	DA	4063	1/1	0.88	0.20	-	52,52,52,52	0
59	MG	AA	3874	1/1	0.95	0.12	-	90,90,90,90	0
59	MG	DA	3217	1/1	0.95	0.19	-	28,28,28,28	0
59	MG	CA	2194	1/1	0.80	0.20	-	101,101,101,101	0
59	MG	DA	4192	1/1	0.93	0.56	-	65,65,65,65	0
59	MG	AA	3306	1/1	0.94	0.29	-	49,49,49,49	0
59	MG	CA	2297	1/1	0.82	0.17	-	71,71,71,71	0
59	MG	AA	3384	1/1	0.92	0.27	-	47,47,47,47	0
59	MG	CA	2173	1/1	0.79	0.15	-	71,71,71,71	0
59	MG	CA	1707	1/1	0.95	0.40	-	54,54,54,54	0
59	MG	BA	2035	1/1	0.91	0.15	-	91,91,91,91	0
59	MG	D2	210	1/1	0.82	0.56	-	98,98,98,98	0
59	MG	BA	2023	1/1	0.91	0.20	-	67,67,67,67	0
59	MG	BA	2047	1/1	0.88	0.18	-	107,107,107,107	0
59	MG	DA	3182	1/1	0.83	0.34	-	65,65,65,65	0
59	MG	AA	4102	1/1	0.86	0.21	-	90,90,90,90	0
59	MG	BA	2140	1/1	0.78	0.30	-	103,103,103,103	0
59	MG	DA	3800	1/1	0.96	0.13	-	33,33,33,33	0
59	MG	BA	1918	1/1	0.94	0.07	-	74,74,74,74	0
59	MG	DA	4200	1/1	0.83	0.18	-	61,61,61,61	0
59	MG	DA	3961	1/1	0.95	0.15	-	41,41,41,41	0
59	MG	DA	3690	1/1	0.87	0.26	-	111,111,111,111	0
59	MG	BA	1871	1/1	0.95	0.03	-	74,74,74,74	0
59	MG	DA	3407	1/1	0.83	0.33	-	70,70,70,70	0
59	MG	AA	3842	1/1	0.94	0.13	-	67,67,67,67	0
59	MG	DA	3307	1/1	0.72	0.19	-	59,59,59,59	0
59	MG	AZ	101	1/1	0.72	0.22	-	83,83,83,83	0
59	MG	CA	2223	1/1	0.96	0.21	-	67,67,67,67	0
59	MG	BA	2067	1/1	0.69	0.17	-	95,95,95,95	0
59	MG	BA	1972	1/1	0.96	0.10	-	53,53,53,53	0
59	MG	BA	2113	1/1	0.84	0.30	-	92,92,92,92	0
59	MG	CA	1838	1/1	0.89	0.30	-	122,122,122,122	0
59	MG	AA	3514	1/1	0.90	0.33	-	49,49,49,49	0
59	MG	BA	1707	1/1	0.85	0.35	-	59,59,59,59	0
59	MG	AA	4112	1/1	0.70	0.38	-	89,89,89,89	0
59	MG	CA	2136	1/1	0.92	0.23	-	77,77,77,77	0
59	MG	AB	203	1/1	0.90	0.20	-	37,37,37,37	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3755	1/1	0.92	0.08	-	63,63,63,63	0
59	MG	CA	1774	1/1	0.61	0.17	-	78,78,78,78	0
59	MG	AE	301	1/1	0.98	0.18	-	35,35,35,35	0
59	MG	AA	4093	1/1	0.79	0.56	-	114,114,114,114	0
59	MG	AA	3653	1/1	0.93	0.14	-	58,58,58,58	0
59	MG	BA	2175	1/1	0.93	0.17	-	81,81,81,81	0
59	MG	DA	4800	1/1	0.83	0.16	-	49,49,49,49	0
59	MG	CA	1971	1/1	0.91	0.16	-	54,54,54,54	0
59	MG	D5	101	1/1	0.92	0.21	-	31,31,31,31	0
59	MG	AA	3228	1/1	0.99	0.06	-	53,53,53,53	0
59	MG	DA	3180	1/1	0.82	0.12	-	77,77,77,77	0
59	MG	BA	2270	1/1	0.82	0.29	-	100,100,100,100	0
59	MG	BA	1623	1/1	0.91	0.09	-	53,53,53,53	0
59	MG	DA	4900	1/1	0.89	0.45	-	76,76,76,76	0
59	MG	DA	4755	1/1	0.94	0.25	-	80,80,80,80	0
59	MG	BD	121	1/1	0.91	0.27	-	79,79,79,79	0
59	MG	CA	1653	1/1	0.94	0.27	-	47,47,47,47	0
59	MG	CC	126	1/1	0.97	0.08	-	55,55,55,55	0
59	MG	BA	2208	1/1	0.83	0.34	-	105,105,105,105	0
59	MG	AA	3768	1/1	0.96	0.19	-	79,79,79,79	0
59	MG	DA	4832	1/1	0.92	0.17	-	86,86,86,86	0
59	MG	DA	4501	1/1	0.91	0.26	-	54,54,54,54	0
59	MG	DA	3247	1/1	0.82	0.23	-	72,72,72,72	0
59	MG	BA	1718	1/1	0.84	0.26	-	43,43,43,43	0
59	MG	DA	3024	1/1	0.99	0.20	-	9,9,9,9	0
59	MG	BH	204	1/1	0.84	0.17	-	72,72,72,72	0
59	MG	DA	3084	1/1	0.93	0.28	-	10,10,10,10	0
59	MG	DA	3194	1/1	0.94	0.21	-	57,57,57,57	0
59	MG	D1	202	1/1	0.80	0.24	-	57,57,57,57	0
59	MG	AA	3933	1/1	0.89	0.43	-	115,115,115,115	0
59	MG	AA	3927	1/1	0.79	0.18	-	76,76,76,76	0
59	MG	CA	1746	1/1	0.87	0.34	-	62,62,62,62	0
59	MG	CA	1846	1/1	0.85	0.13	-	90,90,90,90	0
59	MG	DA	3590	1/1	0.94	0.18	-	46,46,46,46	0
59	MG	CA	1877	1/1	0.91	0.13	-	100,100,100,100	0
59	MG	BA	2051	1/1	0.85	0.21	-	108,108,108,108	0
59	MG	DA	4819	1/1	0.92	0.26	-	64,64,64,64	0
59	MG	AA	3684	1/1	0.94	0.17	-	58,58,58,58	0
59	MG	AA	3313	1/1	0.91	0.18	-	83,83,83,83	0
59	MG	DA	3326	1/1	0.71	0.20	-	63,63,63,63	0
59	MG	BE	305	1/1	0.41	0.21	-	95,95,95,95	0
59	MG	CA	2038	1/1	0.93	0.09	-	74,74,74,74	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	4000	1/1	0.73	0.24	-	91,91,91,91	0
59	MG	DA	4655	1/1	0.90	0.13	-	79,79,79,79	0
59	MG	DB	232	1/1	0.95	0.38	-	54,54,54,54	0
59	MG	DA	3908	1/1	0.79	0.20	-	124,124,124,124	0
59	MG	DA	3564	1/1	0.87	0.41	-	83,83,83,83	0
59	MG	DA	3721	1/1	0.85	0.15	-	51,51,51,51	0
59	MG	CA	2148	1/1	0.90	0.13	-	69,69,69,69	0
59	MG	DA	4275	1/1	0.76	0.35	-	78,78,78,78	0
59	MG	DA	3271	1/1	0.97	0.24	-	33,33,33,33	0
59	MG	DA	4196	1/1	0.97	0.17	-	43,43,43,43	0
59	MG	BA	2099	1/1	0.54	0.13	-	67,67,67,67	0
59	MG	AA	3415	1/1	0.93	0.06	-	63,63,63,63	0
59	MG	BA	1987	1/1	0.80	0.18	-	83,83,83,83	0
59	MG	DA	4965	1/1	0.96	0.36	-	61,61,61,61	0
59	MG	BT	202	1/1	0.91	0.10	-	76,76,76,76	0
59	MG	AA	3152	1/1	0.96	0.08	-	28,28,28,28	0
59	MG	AA	3081	1/1	0.91	0.14	-	61,61,61,61	0
59	MG	DA	4615	1/1	0.90	0.29	-	123,123,123,123	0
59	MG	AA	3784	1/1	0.89	0.21	-	64,64,64,64	0
59	MG	BS	101	1/1	0.70	0.13	-	76,76,76,76	0
59	MG	AA	3856	1/1	0.90	0.32	-	86,86,86,86	0
59	MG	CA	2232	1/1	0.89	0.35	-	86,86,86,86	0
59	MG	DA	4018	1/1	0.94	0.18	-	75,75,75,75	0
59	MG	AA	4118	1/1	0.85	0.13	-	67,67,67,67	0
59	MG	C1	105	1/1	0.93	0.43	-	89,89,89,89	0
59	MG	AA	3636	1/1	0.88	0.09	-	48,48,48,48	0
59	MG	BA	1963	1/1	0.89	0.13	-	83,83,83,83	0
59	MG	CA	2301	1/1	0.93	0.14	-	55,55,55,55	0
59	MG	AA	3376	1/1	0.46	0.31	-	116,116,116,116	0
59	MG	AA	3863	1/1	0.87	0.18	-	72,72,72,72	0
59	MG	AA	3537	1/1	0.90	0.65	-	56,56,56,56	0
59	MG	DA	4123	1/1	0.81	0.18	-	75,75,75,75	0
59	MG	AA	3879	1/1	0.84	0.12	-	91,91,91,91	0
59	MG	DA	3143	1/1	0.90	0.37	-	61,61,61,61	0
59	MG	CA	1660	1/1	0.91	0.27	-	79,79,79,79	0
59	MG	DA	3575	1/1	0.65	0.51	-	112,112,112,112	0
59	MG	DA	3607	1/1	0.88	0.17	-	79,79,79,79	0
59	MG	CA	2228	1/1	0.88	0.25	-	75,75,75,75	0
59	MG	AA	3374	1/1	0.84	0.15	-	46,46,46,46	0
59	MG	DA	4304	1/1	0.90	0.23	-	94,94,94,94	0
59	MG	AA	3103	1/1	0.90	0.17	-	45,45,45,45	0
59	MG	BA	2126	1/1	0.91	0.15	-	74,74,74,74	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4984	1/1	0.88	0.28	-	90,90,90,90	0
59	MG	DA	4127	1/1	0.86	0.28	-	70,70,70,70	0
59	MG	DA	4416	1/1	0.96	0.25	-	74,74,74,74	0
59	MG	AA	3399	1/1	0.92	0.19	-	75,75,75,75	0
59	MG	CA	1741	1/1	0.92	0.13	-	66,66,66,66	0
59	MG	AA	3871	1/1	0.96	0.15	-	51,51,51,51	0
59	MG	DA	3486	1/1	0.93	0.20	-	58,58,58,58	0
59	MG	DA	3509	1/1	0.77	0.39	-	47,47,47,47	0
59	MG	CA	1866	1/1	0.93	0.20	-	109,109,109,109	0
59	MG	CA	2222	1/1	0.81	0.14	-	72,72,72,72	0
59	MG	AA	3453	1/1	0.93	0.09	-	123,123,123,123	0
59	MG	BA	2102	1/1	0.78	0.12	-	85,85,85,85	0
59	MG	DA	4097	1/1	0.94	0.19	-	64,64,64,64	0
59	MG	DA	4191	1/1	0.99	0.21	-	48,48,48,48	0
59	MG	BA	2203	1/1	0.91	0.19	-	118,118,118,118	0
59	MG	DA	3672	1/1	0.88	0.29	-	76,76,76,76	0
59	MG	DA	4807	1/1	0.94	0.29	-	68,68,68,68	0
59	MG	CA	2247	1/1	0.90	0.15	-	103,103,103,103	0
59	MG	CA	1822	1/1	0.92	0.09	-	56,56,56,56	0
59	MG	AA	3575	1/1	0.84	0.31	-	51,51,51,51	0
59	MG	AA	3030	1/1	0.95	0.19	-	45,45,45,45	0
59	MG	CD	126	1/1	0.51	0.20	-	88,88,88,88	0
59	MG	CA	1747	1/1	0.81	0.14	-	51,51,51,51	0
59	MG	DA	3399	1/1	0.95	0.22	-	52,52,52,52	0
59	MG	AA	4081	1/1	0.89	0.31	-	49,49,49,49	0
59	MG	DF	318	1/1	0.82	0.25	-	69,69,69,69	0
59	MG	AA	3822	1/1	0.82	0.34	-	77,77,77,77	0
59	MG	AA	3078	1/1	0.98	0.24	-	44,44,44,44	0
59	MG	DA	3190	1/1	0.82	0.27	-	60,60,60,60	0
59	MG	CA	2210	1/1	0.80	0.11	-	144,144,144,144	0
59	MG	DA	3499	1/1	0.97	0.13	-	70,70,70,70	0
59	MG	DA	4937	1/1	0.81	0.28	-	78,78,78,78	0
59	MG	DA	3004	1/1	0.97	0.17	-	9,9,9,9	0
59	MG	DA	3036	1/1	0.96	0.31	-	14,14,14,14	0
59	MG	BA	1947	1/1	0.91	0.15	-	53,53,53,53	0
59	MG	DA	3104	1/1	0.94	0.10	-	42,42,42,42	0
59	MG	DA	3624	1/1	0.78	0.27	-	74,74,74,74	0
59	MG	BA	1709	1/1	0.92	0.29	-	53,53,53,53	0
59	MG	AA	3547	1/1	0.97	0.14	-	47,47,47,47	0
59	MG	AA	3968	1/1	0.90	0.12	-	77,77,77,77	0
59	MG	CA	1711	1/1	0.99	0.13	-	62,62,62,62	0
59	MG	BA	2255	1/1	0.84	0.14	-	61,61,61,61	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3447	1/1	0.64	0.17	-	71,71,71,71	0
59	MG	CA	1806	1/1	0.94	0.13	-	98,98,98,98	0
59	MG	AA	3022	1/1	0.88	0.24	-	63,63,63,63	0
59	MG	CA	1650	1/1	0.89	0.23	-	36,36,36,36	0
59	MG	DF	314	1/1	0.92	0.22	-	58,58,58,58	0
59	MG	DA	4985	1/1	0.76	0.40	-	88,88,88,88	0
59	MG	DA	4058	1/1	0.99	0.13	-	81,81,81,81	0
59	MG	DA	3525	1/1	0.80	0.18	-	43,43,43,43	0
59	MG	BA	2233	1/1	0.89	0.14	-	100,100,100,100	0
59	MG	DA	3087	1/1	0.99	0.17	-	15,15,15,15	0
59	MG	BA	1856	1/1	0.92	0.11	-	60,60,60,60	0
59	MG	DA	3258	1/1	0.68	0.17	-	83,83,83,83	0
59	MG	DA	4328	1/1	0.83	0.32	-	59,59,59,59	0
59	MG	DA	3693	1/1	0.89	0.13	-	108,108,108,108	0
59	MG	AA	3569	1/1	0.84	0.19	-	75,75,75,75	0
59	MG	BA	1658	1/1	0.91	0.14	-	49,49,49,49	0
59	MG	BA	1754	1/1	0.90	0.21	-	68,68,68,68	0
59	MG	AA	3671	1/1	0.90	0.21	-	102,102,102,102	0
59	MG	CA	2217	1/1	0.73	0.32	-	93,93,93,93	0
59	MG	DA	4818	1/1	0.91	0.27	-	80,80,80,80	0
59	MG	D7	104	1/1	0.77	0.25	-	47,47,47,47	0
59	MG	BA	1606	1/1	0.79	0.15	-	93,93,93,93	0
59	MG	CA	1918	1/1	0.96	0.44	-	86,86,86,86	0
59	MG	AA	4127	1/1	0.94	0.20	-	52,52,52,52	0
59	MG	CA	2253	1/1	0.62	0.30	-	85,85,85,85	0
59	MG	DA	4834	1/1	0.78	0.26	-	78,78,78,78	0
59	MG	CD	103	1/1	0.80	0.41	-	75,75,75,75	0
59	MG	DA	4585	1/1	0.94	0.17	-	76,76,76,76	0
59	MG	BA	1857	1/1	0.18	0.27	-	122,122,122,122	0
59	MG	DA	3597	1/1	0.94	0.36	-	23,23,23,23	0
59	MG	AA	3117	1/1	0.89	0.27	-	72,72,72,72	0
59	MG	DA	4562	1/1	0.81	0.23	-	46,46,46,46	0
59	MG	DA	3106	1/1	0.97	0.13	-	56,56,56,56	0
59	MG	DA	3911	1/1	0.92	0.12	-	115,115,115,115	0
59	MG	DA	4002	1/1	0.99	0.15	-	42,42,42,42	0
59	MG	CA	1995	1/1	0.89	0.13	-	48,48,48,48	0
59	MG	A1	205	1/1	0.91	0.26	-	79,79,79,79	0
59	MG	AA	3518	1/1	0.96	0.05	-	17,17,17,17	0
59	MG	DA	4382	1/1	0.93	0.13	-	67,67,67,67	0
59	MG	DA	4730	1/1	0.85	0.20	-	57,57,57,57	0
59	MG	DA	3909	1/1	0.93	0.25	-	69,69,69,69	0
59	MG	DA	3661	1/1	0.84	0.15	-	68,68,68,68	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2071	1/1	0.96	0.30	-	93,93,93,93	0
59	MG	BA	1783	1/1	0.85	0.20	-	81,81,81,81	0
59	MG	BA	1969	1/1	0.78	0.11	-	71,71,71,71	0
59	MG	BA	2088	1/1	0.89	0.33	-	98,98,98,98	0
59	MG	AA	4166	1/1	0.91	0.16	-	142,142,142,142	0
59	MG	AA	3074	1/1	0.91	0.23	-	51,51,51,51	0
59	MG	AA	3443	1/1	0.94	0.21	-	77,77,77,77	0
59	MG	DA	3853	1/1	0.93	0.24	-	71,71,71,71	0
59	MG	DA	4481	1/1	0.78	0.24	-	62,62,62,62	0
59	MG	DA	3209	1/1	0.95	0.25	-	33,33,33,33	0
59	MG	DA	4309	1/1	0.92	0.09	-	36,36,36,36	0
59	MG	DA	4724	1/1	0.84	0.24	-	89,89,89,89	0
59	MG	DA	3220	1/1	0.94	0.16	-	37,37,37,37	0
59	MG	DA	4307	1/1	0.72	0.30	-	57,57,57,57	0
59	MG	DA	3750	1/1	0.92	0.44	-	101,101,101,101	0
59	MG	AA	3156	1/1	0.95	0.20	-	55,55,55,55	0
59	MG	AA	3403	1/1	0.63	0.23	-	60,60,60,60	0
59	MG	BA	2141	1/1	0.82	0.26	-	80,80,80,80	0
59	MG	A5	102	1/1	0.93	0.27	-	28,28,28,28	0
59	MG	AA	3987	1/1	0.93	0.16	-	54,54,54,54	0
59	MG	BA	1615	1/1	0.92	0.19	-	81,81,81,81	0
59	MG	DA	3802	1/1	0.94	0.11	-	88,88,88,88	0
59	MG	BA	1882	1/1	0.94	0.28	-	42,42,42,42	0
59	MG	DA	4154	1/1	0.76	0.35	-	74,74,74,74	0
59	MG	CD	115	1/1	0.92	0.50	-	85,85,85,85	0
59	MG	DA	3799	1/1	0.89	0.25	-	83,83,83,83	0
59	MG	DA	5009	1/1	0.98	0.25	-	66,66,66,66	0
59	MG	DF	311	1/1	0.88	0.28	-	57,57,57,57	0
59	MG	CG	305	1/1	0.97	0.10	-	80,80,80,80	0
59	MG	DB	255	1/1	0.88	0.17	-	63,63,63,63	0
59	MG	AA	3823	1/1	0.92	0.17	-	89,89,89,89	0
59	MG	CA	2094	1/1	0.81	0.25	-	87,87,87,87	0
59	MG	CA	1824	1/1	0.95	0.15	-	102,102,102,102	0
59	MG	AA	3223	1/1	0.99	0.15	-	14,14,14,14	0
59	MG	AA	3369	1/1	0.86	0.15	-	81,81,81,81	0
59	MG	BA	1811	1/1	0.94	0.04	-	65,65,65,65	0
59	MG	DA	4258	1/1	0.87	0.32	-	64,64,64,64	0
59	MG	DA	4885	1/1	0.70	0.37	-	92,92,92,92	0
59	MG	CA	2117	1/1	0.74	0.34	-	84,84,84,84	0
59	MG	DW	103	1/1	0.92	0.21	-	78,78,78,78	0
59	MG	DA	4126	1/1	0.94	0.25	-	57,57,57,57	0
59	MG	CA	1712	1/1	0.83	0.33	-	67,67,67,67	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	5044	1/1	0.84	0.49	-	93,93,93,93	0
59	MG	DA	4080	1/1	0.84	0.34	-	89,89,89,89	0
59	MG	DA	3757	1/1	0.41	0.89	-	128,128,128,128	0
59	MG	BA	1653	1/1	0.97	0.37	-	47,47,47,47	0
59	MG	DA	3232	1/1	0.92	0.26	-	61,61,61,61	0
59	MG	DA	4358	1/1	0.95	0.15	-	56,56,56,56	0
59	MG	DA	4414	1/1	0.88	0.16	-	59,59,59,59	0
59	MG	DT	105	1/1	0.90	0.32	-	84,84,84,84	0
59	MG	AA	3707	1/1	0.75	0.12	-	63,63,63,63	0
59	MG	DA	4160	1/1	0.97	0.33	-	53,53,53,53	0
59	MG	CC	113	1/1	0.75	0.38	-	85,85,85,85	0
59	MG	DA	3433	1/1	0.95	0.23	-	43,43,43,43	0
59	MG	DA	3019	1/1	0.92	0.34	-	20,20,20,20	0
59	MG	BA	1601	1/1	0.95	0.20	-	27,27,27,27	0
59	MG	CA	2025	1/1	0.96	0.21	-	95,95,95,95	0
59	MG	DA	3615	1/1	0.89	0.45	-	112,112,112,112	0
59	MG	DA	4599	1/1	0.89	0.17	-	50,50,50,50	0
59	MG	BA	1690	1/1	0.91	0.07	-	66,66,66,66	0
59	MG	AA	3212	1/1	0.80	0.36	-	78,78,78,78	0
59	MG	DA	3141	1/1	0.95	0.24	-	42,42,42,42	0
59	MG	DA	3881	1/1	0.88	0.51	-	86,86,86,86	0
59	MG	DA	4849	1/1	0.90	0.25	-	55,55,55,55	0
59	MG	CK	204	1/1	0.89	0.09	-	60,60,60,60	0
59	MG	BA	1603	1/1	0.89	0.39	-	58,58,58,58	0
59	MG	DA	4293	1/1	0.96	0.38	-	54,54,54,54	0
59	MG	DA	4477	1/1	0.85	0.19	-	61,61,61,61	0
59	MG	AA	4124	1/1	0.83	0.18	-	107,107,107,107	0
59	MG	CA	1775	1/1	0.97	0.32	-	51,51,51,51	0
59	MG	DA	3666	1/1	0.96	0.11	-	53,53,53,53	0
59	MG	DA	3086	1/1	0.99	0.19	-	17,17,17,17	0
59	MG	DA	4019	1/1	0.90	0.14	-	91,91,91,91	0
59	MG	DA	4631	1/1	0.97	0.17	-	67,67,67,67	0
59	MG	DA	4547	1/1	0.90	0.23	-	46,46,46,46	0
59	MG	DX	101	1/1	0.94	0.15	-	59,59,59,59	0
59	MG	BA	1621	1/1	0.80	0.60	-	120,120,120,120	0
59	MG	AA	3986	1/1	0.80	0.13	-	88,88,88,88	0
59	MG	DA	4573	1/1	0.69	0.33	-	102,102,102,102	0
59	MG	AA	3136	1/1	0.97	0.24	-	38,38,38,38	0
59	MG	AA	3425	1/1	0.89	0.15	-	44,44,44,44	0
59	MG	AA	3211	1/1	0.90	0.32	-	56,56,56,56	0
59	MG	AA	3287	1/1	0.77	0.14	-	66,66,66,66	0
59	MG	CA	1798	1/1	0.91	0.19	-	139,139,139,139	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4753	1/1	0.69	0.31	-	68,68,68,68	0
59	MG	BA	1903	1/1	0.85	0.04	-	71,71,71,71	0
59	MG	DA	4248	1/1	0.89	0.50	-	89,89,89,89	0
59	MG	DA	3539	1/1	0.91	0.24	-	93,93,93,93	0
59	MG	DA	3686	1/1	0.92	0.19	-	70,70,70,70	0
59	MG	BA	2235	1/1	0.91	0.09	-	69,69,69,69	0
59	MG	CA	2126	1/1	0.68	0.12	-	59,59,59,59	0
59	MG	AA	3975	1/1	0.66	0.21	-	76,76,76,76	0
59	MG	AA	3729	1/1	0.85	0.33	-	69,69,69,69	0
59	MG	CA	1683	1/1	0.86	0.20	-	47,47,47,47	0
59	MG	DA	4421	1/1	0.78	0.25	-	64,64,64,64	0
59	MG	DA	3602	1/1	0.98	0.36	-	61,61,61,61	0
59	MG	BA	2240	1/1	0.94	0.07	-	86,86,86,86	0
59	MG	CA	1836	1/1	0.92	0.52	-	131,131,131,131	0
59	MG	CA	2070	1/1	0.90	0.10	-	68,68,68,68	0
59	MG	AA	3395	1/1	0.95	0.29	-	88,88,88,88	0
59	MG	AA	3334	1/1	0.86	0.17	-	46,46,46,46	0
59	MG	CC	114	1/1	0.89	0.12	-	73,73,73,73	0
59	MG	BA	1833	1/1	0.92	0.22	-	71,71,71,71	0
59	MG	BK	206	1/1	0.91	0.21	-	108,108,108,108	0
59	MG	A5	101	1/1	0.96	0.13	-	23,23,23,23	0
59	MG	DA	4971	1/1	0.71	0.27	-	79,79,79,79	0
59	MG	AA	3392	1/1	0.93	0.14	-	63,63,63,63	0
59	MG	CB	103	1/1	0.79	0.15	-	53,53,53,53	0
59	MG	DA	4633	1/1	0.94	0.25	-	66,66,66,66	0
59	MG	DA	5039	1/1	0.91	0.28	-	75,75,75,75	0
59	MG	CA	2047	1/1	0.78	0.12	-	80,80,80,80	0
59	MG	BA	2029	1/1	0.65	0.16	-	76,76,76,76	0
59	MG	DA	4690	1/1	0.77	0.27	-	86,86,86,86	0
59	MG	AA	3494	1/1	0.95	0.10	-	69,69,69,69	0
59	MG	DA	3895	1/1	0.98	0.24	-	14,14,14,14	0
59	MG	AA	3661	1/1	0.88	0.26	-	70,70,70,70	0
59	MG	DA	4704	1/1	0.95	0.25	-	62,62,62,62	0
59	MG	BA	1928	1/1	0.79	0.14	-	67,67,67,67	0
59	MG	AA	3058	1/1	0.97	0.12	-	25,25,25,25	0
59	MG	BA	2154	1/1	0.81	0.17	-	73,73,73,73	0
59	MG	DA	3185	1/1	0.98	0.25	-	54,54,54,54	0
59	MG	AA	3778	1/1	0.97	0.10	-	53,53,53,53	0
59	MG	BA	1858	1/1	0.53	0.34	-	141,141,141,141	0
59	MG	CA	1982	1/1	0.88	0.19	-	59,59,59,59	0
59	MG	DA	4876	1/1	0.89	0.30	-	61,61,61,61	0
59	MG	DT	107	1/1	0.93	0.21	-	73,73,73,73	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1791	1/1	0.84	0.15	-	87,87,87,87	0
59	MG	CA	2311	1/1	0.81	0.30	-	81,81,81,81	0
59	MG	DA	4487	1/1	0.99	0.20	-	94,94,94,94	0
59	MG	DA	3108	1/1	0.76	0.27	-	76,76,76,76	0
59	MG	CA	1817	1/1	0.87	0.14	-	85,85,85,85	0
59	MG	AA	4152	1/1	0.91	0.20	-	77,77,77,77	0
59	MG	AA	3581	1/1	0.96	0.23	-	55,55,55,55	0
59	MG	BA	1744	1/1	0.86	0.20	-	54,54,54,54	0
59	MG	DA	4534	1/1	0.69	0.21	-	118,118,118,118	0
59	MG	DA	4557	1/1	0.92	0.09	-	56,56,56,56	0
59	MG	BA	1736	1/1	0.93	0.14	-	53,53,53,53	0
59	MG	BA	2250	1/1	0.68	0.21	-	90,90,90,90	0
59	MG	BB	111	1/1	0.60	0.09	-	90,90,90,90	0
59	MG	CA	2290	1/1	0.61	0.26	-	103,103,103,103	0
59	MG	CA	1845	1/1	0.87	0.08	-	108,108,108,108	0
59	MG	CA	1953	1/1	0.88	0.07	-	80,80,80,80	0
59	MG	BA	1925	1/1	0.92	0.13	-	55,55,55,55	0
59	MG	DA	3135	1/1	0.91	0.14	-	35,35,35,35	0
59	MG	DA	3269	1/1	0.94	0.09	-	36,36,36,36	0
59	MG	DD	312	1/1	0.95	0.16	-	37,37,37,37	0
59	MG	DA	4697	1/1	0.96	0.41	-	76,76,76,76	0
59	MG	DA	3521	1/1	0.91	0.31	-	61,61,61,61	0
59	MG	BB	108	1/1	0.76	0.25	-	94,94,94,94	0
59	MG	BA	1944	1/1	0.95	0.37	-	71,71,71,71	0
59	MG	AA	4162	1/1	0.91	0.29	-	94,94,94,94	0
59	MG	CA	1805	1/1	0.92	0.06	-	52,52,52,52	0
59	MG	DA	4686	1/1	0.96	0.38	-	59,59,59,59	0
59	MG	AA	3546	1/1	0.89	0.31	-	52,52,52,52	0
59	MG	AA	3024	1/1	0.96	0.10	-	61,61,61,61	0
59	MG	DA	3681	1/1	0.94	0.08	-	73,73,73,73	0
59	MG	CA	1890	1/1	0.73	0.09	-	69,69,69,69	0
59	MG	DA	5030	1/1	0.90	0.44	-	93,93,93,93	0
59	MG	AA	3530	1/1	0.88	0.15	-	50,50,50,50	0
59	MG	AD	312	1/1	0.84	0.22	-	79,79,79,79	0
59	MG	BA	1638	1/1	0.82	0.20	-	51,51,51,51	0
59	MG	DA	3623	1/1	0.87	0.33	-	89,89,89,89	0
59	MG	CA	1999	1/1	0.93	0.14	-	63,63,63,63	0
59	MG	DA	3676	1/1	0.77	0.51	-	70,70,70,70	0
59	MG	CA	1754	1/1	0.69	0.35	-	80,80,80,80	0
59	MG	DA	4972	1/1	0.96	0.20	-	80,80,80,80	0
59	MG	DA	4795	1/1	0.68	0.25	-	66,66,66,66	0
59	MG	BA	2269	1/1	0.79	0.19	-	80,80,80,80	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4576	1/1	0.84	0.39	-	87,87,87,87	0
59	MG	CA	1689	1/1	0.95	0.14	-	58,58,58,58	0
59	MG	BD	119	1/1	0.93	0.40	-	84,84,84,84	0
59	MG	CA	2191	1/1	0.78	0.15	-	99,99,99,99	0
59	MG	AA	3616	1/1	0.98	0.08	-	42,42,42,42	0
59	MG	BD	124	1/1	0.78	0.11	-	104,104,104,104	0
59	MG	DA	3945	1/1	0.88	0.08	-	58,58,58,58	0
59	MG	BA	2231	1/1	0.93	0.30	-	89,89,89,89	0
59	MG	BW	204	1/1	0.89	0.19	-	90,90,90,90	0
59	MG	AA	3967	1/1	0.93	0.17	-	63,63,63,63	0
59	MG	DA	3128	1/1	0.93	0.17	-	31,31,31,31	0
59	MG	DA	3348	1/1	0.83	0.17	-	54,54,54,54	0
59	MG	AA	3712	1/1	0.84	0.31	-	57,57,57,57	0
59	MG	AA	3727	1/1	0.94	0.22	-	54,54,54,54	0
59	MG	AA	4087	1/1	0.74	0.22	-	89,89,89,89	0
59	MG	DA	4806	1/1	0.79	0.19	-	59,59,59,59	0
59	MG	DA	3610	1/1	0.84	0.12	-	45,45,45,45	0
59	MG	DA	3953	1/1	0.94	0.16	-	84,84,84,84	0
59	MG	AA	3390	1/1	0.97	0.23	-	46,46,46,46	0
59	MG	BA	1845	1/1	0.94	0.11	-	92,92,92,92	0
59	MG	AA	3102	1/1	0.84	0.15	-	65,65,65,65	0
59	MG	AA	3182	1/1	0.85	0.18	-	60,60,60,60	0
59	MG	DA	4825	1/1	0.87	0.21	-	63,63,63,63	0
59	MG	CA	1763	1/1	0.82	0.17	-	39,39,39,39	0
59	MG	DA	4928	1/1	0.69	0.17	-	78,78,78,78	0
59	MG	AA	4080	1/1	0.87	0.47	-	71,71,71,71	0
59	MG	AA	3051	1/1	0.92	0.23	-	62,62,62,62	0
59	MG	CA	2125	1/1	0.99	0.28	-	79,79,79,79	0
59	MG	DA	4898	1/1	0.89	0.25	-	58,58,58,58	0
59	MG	D5	108	1/1	0.91	0.34	-	63,63,63,63	0
59	MG	AA	3666	1/1	0.94	0.20	-	52,52,52,52	0
59	MG	DA	3934	1/1	0.95	0.08	-	45,45,45,45	0
59	MG	AA	3325	1/1	0.69	0.22	-	50,50,50,50	0
59	MG	AA	3274	1/1	0.76	0.32	-	70,70,70,70	0
59	MG	DB	211	1/1	0.74	0.40	-	90,90,90,90	0
59	MG	DA	3434	1/1	0.91	0.23	-	41,41,41,41	0
59	MG	DA	4911	1/1	0.67	0.24	-	85,85,85,85	0
59	MG	BA	2147	1/1	0.95	0.06	-	107,107,107,107	0
59	MG	DA	4658	1/1	0.82	0.26	-	76,76,76,76	0
59	MG	AA	3036	1/1	0.87	0.07	-	36,36,36,36	0
59	MG	CG	310	1/1	0.76	0.13	-	96,96,96,96	0
59	MG	CA	2281	1/1	0.92	0.12	-	100,100,100,100	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BP	202	1/1	0.96	0.19	-	50,50,50,50	0
59	MG	CB	117	1/1	0.88	0.17	-	68,68,68,68	0
59	MG	CE	301	1/1	0.89	0.25	-	61,61,61,61	0
59	MG	AA	3040	1/1	0.95	0.21	-	37,37,37,37	0
59	MG	DA	4032	1/1	0.95	0.21	-	86,86,86,86	0
59	MG	BA	2079	1/1	0.92	0.17	-	99,99,99,99	0
59	MG	DA	4117	1/1	0.90	0.29	-	58,58,58,58	0
59	MG	DA	4954	1/1	0.86	0.11	-	73,73,73,73	0
59	MG	CA	1739	1/1	0.95	0.10	-	43,43,43,43	0
59	MG	DA	4090	1/1	0.98	0.06	-	52,52,52,52	0
59	MG	DA	4122	1/1	0.81	0.54	-	105,105,105,105	0
59	MG	CK	206	1/1	0.93	0.21	-	62,62,62,62	0
59	MG	DA	4955	1/1	0.86	0.31	-	82,82,82,82	0
59	MG	CA	2108	1/1	0.80	0.14	-	78,78,78,78	0
59	MG	BA	2025	1/1	0.99	0.17	-	90,90,90,90	0
59	MG	AA	3183	1/1	0.91	0.21	-	29,29,29,29	0
59	MG	CA	2184	1/1	0.76	0.37	-	83,83,83,83	0
59	MG	DA	3260	1/1	0.82	0.27	-	60,60,60,60	0
59	MG	AA	3699	1/1	0.96	0.32	-	59,59,59,59	0
59	MG	BA	1745	1/1	0.90	0.25	-	38,38,38,38	0
59	MG	AA	4028	1/1	0.91	0.23	-	81,81,81,81	0
59	MG	AA	3552	1/1	0.68	0.25	-	90,90,90,90	0
59	MG	AA	3409	1/1	0.90	0.21	-	56,56,56,56	0
59	MG	DZ	104	1/1	0.83	0.50	-	59,59,59,59	0
59	MG	DA	3114	1/1	0.96	0.33	-	47,47,47,47	0
59	MG	CA	1835	1/1	0.79	0.27	-	114,114,114,114	0
59	MG	DA	3761	1/1	0.84	0.15	-	90,90,90,90	0
59	MG	CA	1941	1/1	0.86	0.41	-	91,91,91,91	0
59	MG	DA	3519	1/1	0.91	0.16	-	36,36,36,36	0
59	MG	DA	3320	1/1	0.84	0.13	-	14,14,14,14	0
59	MG	AA	3574	1/1	0.90	0.20	-	57,57,57,57	0
59	MG	DB	201	1/1	0.98	0.35	-	25,25,25,25	0
59	MG	CA	2312	1/1	0.74	0.25	-	78,78,78,78	0
59	MG	AA	3267	1/1	0.99	0.09	-	49,49,49,49	0
59	MG	AA	3474	1/1	0.81	0.16	-	65,65,65,65	0
59	MG	DA	3183	1/1	0.72	0.51	-	97,97,97,97	0
59	MG	AA	4121	1/1	0.79	0.14	-	66,66,66,66	0
59	MG	DA	4635	1/1	0.91	0.22	-	71,71,71,71	0
59	MG	DA	4804	1/1	0.89	0.31	-	69,69,69,69	0
59	MG	CA	2074	1/1	0.91	0.07	-	61,61,61,61	0
59	MG	CB	113	1/1	0.82	0.18	-	72,72,72,72	0
59	MG	AA	3836	1/1	0.89	0.29	-	62,62,62,62	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4412	1/1	0.93	0.13	-	82,82,82,82	0
59	MG	CA	1753	1/1	0.92	0.40	-	56,56,56,56	0
59	MG	A7	101	1/1	0.87	0.72	-	77,77,77,77	0
59	MG	BA	1818	1/1	0.95	0.32	-	57,57,57,57	0
59	MG	AA	3110	1/1	0.86	0.20	-	59,59,59,59	0
59	MG	DA	4300	1/1	0.91	0.15	-	45,45,45,45	0
59	MG	BA	1878	1/1	0.91	0.13	-	75,75,75,75	0
59	MG	DA	3116	1/1	0.95	0.22	-	63,63,63,63	0
59	MG	CA	2034	1/1	0.88	0.24	-	61,61,61,61	0
59	MG	DA	4649	1/1	0.88	0.20	-	41,41,41,41	0
59	MG	AA	3701	1/1	0.82	0.13	-	55,55,55,55	0
59	MG	AA	4049	1/1	0.76	0.28	-	115,115,115,115	0
59	MG	BA	1662	1/1	0.42	0.18	-	91,91,91,91	0
59	MG	DA	4880	1/1	0.90	0.20	-	110,110,110,110	0
59	MG	DA	4262	1/1	0.89	0.24	-	47,47,47,47	0
59	MG	CA	2188	1/1	0.88	0.08	-	79,79,79,79	0
59	MG	DA	3384	1/1	0.88	0.32	-	56,56,56,56	0
59	MG	BC	101	1/1	0.88	0.13	-	53,53,53,53	0
59	MG	DA	3262	1/1	0.72	0.47	-	72,72,72,72	0
59	MG	AA	4078	1/1	0.90	0.11	-	82,82,82,82	0
59	MG	AO	207	1/1	0.93	0.33	-	102,102,102,102	0
59	MG	DA	3160	1/1	0.78	0.31	-	48,48,48,48	0
59	MG	DA	4385	1/1	0.87	0.15	-	55,55,55,55	0
59	MG	DA	3459	1/1	0.94	0.08	-	63,63,63,63	0
59	MG	DA	4577	1/1	0.82	0.32	-	57,57,57,57	0
59	MG	AA	3174	1/1	0.64	0.26	-	63,63,63,63	0
59	MG	DA	3652	1/1	0.84	0.16	-	93,93,93,93	0
59	MG	DA	4541	1/1	0.91	0.30	-	58,58,58,58	0
59	MG	DA	3435	1/1	0.85	0.21	-	49,49,49,49	0
59	MG	D7	103	1/1	0.97	0.28	-	45,45,45,45	0
59	MG	AA	3718	1/1	0.75	0.32	-	84,84,84,84	0
59	MG	CD	111	1/1	0.81	0.40	-	69,69,69,69	0
59	MG	DA	4962	1/1	0.91	0.25	-	77,77,77,77	0
59	MG	AA	3788	1/1	0.90	0.21	-	87,87,87,87	0
59	MG	CA	2123	1/1	0.72	0.30	-	100,100,100,100	0
59	MG	CA	1954	1/1	0.80	0.48	-	90,90,90,90	0
59	MG	AA	3410	1/1	0.93	0.29	-	84,84,84,84	0
59	MG	CP	203	1/1	0.94	0.23	-	77,77,77,77	0
59	MG	BA	1799	1/1	0.91	0.12	-	55,55,55,55	0
59	MG	DA	4926	1/1	0.92	0.10	-	46,46,46,46	0
59	MG	AA	3965	1/1	0.87	0.09	-	111,111,111,111	0
59	MG	DP	203	1/1	0.90	0.39	-	92,92,92,92	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3331	1/1	0.94	0.26	-	68,68,68,68	0
59	MG	AA	3813	1/1	0.86	0.13	-	99,99,99,99	0
59	MG	BA	1827	1/1	0.84	0.17	-	101,101,101,101	0
59	MG	DA	4636	1/1	0.89	0.19	-	64,64,64,64	0
59	MG	AA	3814	1/1	0.96	0.19	-	67,67,67,67	0
59	MG	DA	4424	1/1	0.91	0.13	-	46,46,46,46	0
59	MG	DA	3946	1/1	0.95	0.13	-	82,82,82,82	0
59	MG	AA	3125	1/1	0.92	0.22	-	51,51,51,51	0
59	MG	DA	3029	1/1	0.96	0.22	-	7,7,7,7	0
59	MG	BA	2209	1/1	0.80	0.11	-	56,56,56,56	0
59	MG	BA	1894	1/1	0.85	0.47	-	83,83,83,83	0
59	MG	DA	3179	1/1	0.95	0.26	-	52,52,52,52	0
59	MG	AA	3195	1/1	0.89	0.25	-	82,82,82,82	0
59	MG	AA	3719	1/1	0.68	0.49	-	97,97,97,97	0
59	MG	AA	3165	1/1	0.80	0.22	-	53,53,53,53	0
59	MG	AA	3220	1/1	0.89	0.17	-	70,70,70,70	0
59	MG	AA	3064	1/1	0.85	0.27	-	90,90,90,90	0
59	MG	CA	1635	1/1	0.91	0.30	-	21,21,21,21	0
59	MG	BA	2030	1/1	0.83	0.33	-	71,71,71,71	0
59	MG	AA	3439	1/1	0.88	0.14	-	71,71,71,71	0
59	MG	CA	2083	1/1	0.96	0.17	-	87,87,87,87	0
59	MG	DA	4905	1/1	0.56	0.27	-	90,90,90,90	0
59	MG	DA	3377	1/1	0.74	0.33	-	83,83,83,83	0
59	MG	CA	2044	1/1	0.95	0.11	-	65,65,65,65	0
59	MG	DA	3413	1/1	0.96	0.32	-	45,45,45,45	0
59	MG	BA	1913	1/1	0.69	0.16	-	73,73,73,73	0
59	MG	AA	3985	1/1	0.79	0.23	-	97,97,97,97	0
59	MG	AA	3980	1/1	0.97	0.38	-	65,65,65,65	0
59	MG	DA	4143	1/1	0.86	0.27	-	63,63,63,63	0
59	MG	AA	3992	1/1	0.95	0.14	-	75,75,75,75	0
59	MG	DA	4719	1/1	0.88	0.23	-	54,54,54,54	0
59	MG	CE	306	1/1	0.88	0.22	-	96,96,96,96	0
59	MG	CA	1721	1/1	0.95	0.14	-	39,39,39,39	0
59	MG	BA	2032	1/1	0.84	0.23	-	70,70,70,70	0
59	MG	CV	104	1/1	0.94	0.17	-	86,86,86,86	0
59	MG	DB	214	1/1	0.70	0.26	-	76,76,76,76	0
59	MG	DA	4543	1/1	0.85	0.13	-	60,60,60,60	0
59	MG	CA	1876	1/1	0.98	0.12	-	79,79,79,79	0
59	MG	BA	2178	1/1	0.87	0.28	-	141,141,141,141	0
59	MG	BA	1739	1/1	0.97	0.34	-	67,67,67,67	0
59	MG	CA	1996	1/1	0.86	0.25	-	94,94,94,94	0
59	MG	DB	238	1/1	0.88	0.44	-	100,100,100,100	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4967	1/1	0.90	0.17	-	74,74,74,74	0
59	MG	AA	3129	1/1	0.99	0.14	-	31,31,31,31	0
59	MG	CA	1843	1/1	0.68	0.13	-	99,99,99,99	0
59	MG	DA	3788	1/1	0.97	0.10	-	50,50,50,50	0
59	MG	AA	3179	1/1	0.91	0.15	-	38,38,38,38	0
59	MG	CA	2143	1/1	0.94	0.20	-	57,57,57,57	0
59	MG	CH	205	1/1	0.93	0.18	-	87,87,87,87	0
59	MG	BA	2128	1/1	0.10	0.15	-	108,108,108,108	0
59	MG	DA	5068	1/1	0.95	0.16	-	64,64,64,64	0
59	MG	DA	4657	1/1	0.64	0.24	-	58,58,58,58	0
59	MG	AA	3898	1/1	0.61	0.45	-	112,112,112,112	0
59	MG	BA	1997	1/1	0.94	0.40	-	87,87,87,87	0
59	MG	DA	4009	1/1	0.83	0.17	-	98,98,98,98	0
59	MG	AA	3610	1/1	0.96	0.05	-	69,69,69,69	0
59	MG	BA	1816	1/1	0.72	0.20	-	71,71,71,71	0
59	MG	DB	271	1/1	0.82	0.68	-	72,72,72,72	0
59	MG	DA	3873	1/1	0.78	0.46	-	119,119,119,119	0
59	MG	DG	204	1/1	0.90	0.50	-	104,104,104,104	0
59	MG	AA	3034	1/1	0.98	0.12	-	41,41,41,41	0
59	MG	AA	3388	1/1	0.96	0.20	-	46,46,46,46	0
59	MG	DA	4754	1/1	0.89	0.29	-	71,71,71,71	0
59	MG	DA	4521	1/1	0.89	0.16	-	47,47,47,47	0
59	MG	CA	2298	1/1	0.89	0.09	-	68,68,68,68	0
59	MG	BA	2273	1/1	0.98	0.16	-	94,94,94,94	0
59	MG	BA	1630	1/1	0.94	0.21	-	78,78,78,78	0
59	MG	DA	4721	1/1	0.96	0.11	-	75,75,75,75	0
59	MG	DA	3219	1/1	0.77	0.22	-	48,48,48,48	0
59	MG	DA	3805	1/1	0.88	0.30	-	66,66,66,66	0
59	MG	DA	4810	1/1	0.68	0.26	-	62,62,62,62	0
59	MG	CA	1997	1/1	0.78	0.46	-	96,96,96,96	0
59	MG	DA	3889	1/1	0.77	0.14	-	80,80,80,80	0
59	MG	BA	2142	1/1	0.83	0.15	-	84,84,84,84	0
59	MG	DA	4265	1/1	0.79	0.31	-	95,95,95,95	0
59	MG	DA	4694	1/1	0.92	0.15	-	56,56,56,56	0
59	MG	DA	4413	1/1	0.74	0.23	-	65,65,65,65	0
59	MG	AA	3866	1/1	0.91	0.33	-	96,96,96,96	0
59	MG	DA	4452	1/1	0.86	0.21	-	50,50,50,50	0
59	MG	AA	3761	1/1	0.94	0.13	-	40,40,40,40	0
59	MG	BA	1868	1/1	0.94	0.07	-	65,65,65,65	0
59	MG	DA	3884	1/1	0.94	0.26	-	60,60,60,60	0
59	MG	CA	2008	1/1	0.92	0.13	-	56,56,56,56	0
59	MG	BA	1914	1/1	0.96	0.10	-	55,55,55,55	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4360	1/1	0.82	0.12	-	57,57,57,57	0
59	MG	DA	3354	1/1	0.98	0.16	-	66,66,66,66	0
59	MG	DA	4267	1/1	0.92	0.47	-	72,72,72,72	0
59	MG	BA	1688	1/1	0.83	0.32	-	61,61,61,61	0
59	MG	AA	4035	1/1	0.84	0.19	-	75,75,75,75	0
59	MG	BA	2184	1/1	0.68	0.17	-	101,101,101,101	0
59	MG	AA	3083	1/1	0.88	0.15	-	33,33,33,33	0
59	MG	DA	5033	1/1	0.79	0.11	-	75,75,75,75	0
59	MG	DA	3502	1/1	0.96	0.57	-	74,74,74,74	0
59	MG	DB	268	1/1	0.85	0.25	-	81,81,81,81	0
59	MG	DA	4298	1/1	0.97	0.36	-	62,62,62,62	0
59	MG	CH	203	1/1	0.89	0.29	-	70,70,70,70	0
59	MG	AA	3068	1/1	0.89	0.10	-	40,40,40,40	0
59	MG	DB	229	1/1	0.88	0.17	-	83,83,83,83	0
59	MG	BS	104	1/1	0.88	0.16	-	76,76,76,76	0
59	MG	AS	202	1/1	0.91	0.11	-	63,63,63,63	0
59	MG	CA	1697	1/1	0.96	0.25	-	44,44,44,44	0
59	MG	BA	2193	1/1	0.92	0.41	-	76,76,76,76	0
59	MG	AA	3457	1/1	0.94	0.11	-	57,57,57,57	0
59	MG	DA	4398	1/1	0.84	0.23	-	46,46,46,46	0
59	MG	AA	3887	1/1	0.93	0.17	-	70,70,70,70	0
59	MG	DA	3052	1/1	0.98	0.14	-	19,19,19,19	0
59	MG	D2	207	1/1	0.92	0.11	-	68,68,68,68	0
59	MG	AA	4098	1/1	0.91	0.48	-	83,83,83,83	0
59	MG	DA	4296	1/1	0.83	0.62	-	105,105,105,105	0
59	MG	DB	239	1/1	0.94	0.43	-	81,81,81,81	0
59	MG	DA	3176	1/1	0.93	0.23	-	39,39,39,39	0
59	MG	AA	3343	1/1	0.95	0.28	-	48,48,48,48	0
59	MG	CA	1867	1/1	0.97	0.10	-	99,99,99,99	0
59	MG	DB	212	1/1	0.84	0.27	-	71,71,71,71	0
59	MG	DA	4770	1/1	0.84	0.29	-	93,93,93,93	0
59	MG	BA	2064	1/1	0.71	0.10	-	90,90,90,90	0
59	MG	DA	3236	1/1	0.97	0.20	-	20,20,20,20	0
59	MG	CA	1952	1/1	0.94	0.14	-	94,94,94,94	0
59	MG	CA	2056	1/1	0.87	0.64	-	120,120,120,120	0
59	MG	DA	4384	1/1	0.97	0.28	-	64,64,64,64	0
59	MG	DA	4215	1/1	0.81	0.23	-	53,53,53,53	0
59	MG	CA	1921	1/1	0.60	0.24	-	52,52,52,52	0
59	MG	CA	1656	1/1	0.96	0.39	-	43,43,43,43	0
59	MG	DA	4077	1/1	0.89	0.20	-	51,51,51,51	0
59	MG	DA	4453	1/1	0.95	0.24	-	49,49,49,49	0
59	MG	CA	1685	1/1	0.28	0.28	-	80,80,80,80	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3668	1/1	0.86	0.13	-	80,80,80,80	0
59	MG	CA	2283	1/1	0.93	0.11	-	68,68,68,68	0
59	MG	AA	4054	1/1	0.71	0.13	-	74,74,74,74	0
59	MG	CA	1699	1/1	0.77	0.12	-	40,40,40,40	0
59	MG	DA	3558	1/1	0.92	0.34	-	64,64,64,64	0
59	MG	CA	2078	1/1	0.93	0.20	-	75,75,75,75	0
59	MG	BA	1773	1/1	0.88	0.19	-	80,80,80,80	0
59	MG	DB	226	1/1	0.71	0.20	-	40,40,40,40	0
59	MG	AA	4005	1/1	0.83	0.12	-	63,63,63,63	0
59	MG	DA	4432	1/1	0.93	0.16	-	58,58,58,58	0
59	MG	CA	1802	1/1	0.86	0.13	-	76,76,76,76	0
59	MG	DA	3136	1/1	0.88	0.27	-	63,63,63,63	0
59	MG	BD	123	1/1	0.77	0.20	-	82,82,82,82	0
59	MG	CD	125	1/1	0.59	0.31	-	88,88,88,88	0
59	MG	AA	4129	1/1	0.97	0.10	-	86,86,86,86	0
59	MG	BA	2163	1/1	0.77	0.14	-	105,105,105,105	0
59	MG	CA	2165	1/1	0.81	0.15	-	101,101,101,101	0
59	MG	DA	3951	1/1	0.93	0.25	-	136,136,136,136	0
59	MG	DA	3455	1/1	0.90	0.32	-	58,58,58,58	0
59	MG	DA	4320	1/1	0.93	0.17	-	50,50,50,50	0
59	MG	DA	4049	1/1	0.99	0.20	-	33,33,33,33	0
59	MG	DA	4095	1/1	0.88	0.26	-	115,115,115,115	0
59	MG	DA	5005	1/1	0.70	0.32	-	75,75,75,75	0
59	MG	AB	215	1/1	0.87	0.14	-	70,70,70,70	0
59	MG	BA	2049	1/1	0.91	0.24	-	55,55,55,55	0
59	MG	BA	1908	1/1	0.95	0.30	-	79,79,79,79	0
59	MG	BA	2182	1/1	0.74	0.17	-	110,110,110,110	0
59	MG	DA	4387	1/1	0.88	0.33	-	57,57,57,57	0
59	MG	D1	207	1/1	0.93	0.25	-	64,64,64,64	0
59	MG	D6	102	1/1	0.88	0.15	-	45,45,45,45	0
59	MG	BA	2247	1/1	0.60	0.23	-	82,82,82,82	0
59	MG	BB	109	1/1	0.77	0.18	-	119,119,119,119	0
59	MG	BA	1670	1/1	0.94	0.11	-	50,50,50,50	0
59	MG	AA	4149	1/1	0.79	0.23	-	125,125,125,125	0
59	MG	DA	4921	1/1	0.93	0.27	-	67,67,67,67	0
59	MG	DA	4203	1/1	0.98	0.14	-	50,50,50,50	0
59	MG	BA	2110	1/1	0.74	0.31	-	91,91,91,91	0
59	MG	AA	3536	1/1	0.88	0.24	-	46,46,46,46	0
59	MG	DA	5037	1/1	0.80	0.15	-	84,84,84,84	0
59	MG	AA	3538	1/1	0.90	0.15	-	45,45,45,45	0
59	MG	BA	1664	1/1	0.93	0.32	-	58,58,58,58	0
59	MG	AA	3049	1/1	0.79	0.21	-	48,48,48,48	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3649	1/1	0.76	0.20	-	96,96,96,96	0
59	MG	CA	1651	1/1	0.92	0.18	-	33,33,33,33	0
59	MG	AA	3243	1/1	0.82	0.27	-	99,99,99,99	0
59	MG	AA	3815	1/1	0.96	0.11	-	61,61,61,61	0
59	MG	AA	3090	1/1	0.97	0.17	-	42,42,42,42	0
59	MG	CA	1934	1/1	0.36	0.15	-	110,110,110,110	0
59	MG	AA	3258	1/1	0.93	0.44	-	81,81,81,81	0
59	MG	BA	1732	1/1	0.96	0.44	-	62,62,62,62	0
59	MG	AA	3483	1/1	0.99	0.42	-	65,65,65,65	0
59	MG	DA	3386	1/1	0.95	0.40	-	69,69,69,69	0
59	MG	AA	3597	1/1	0.91	0.24	-	63,63,63,63	0
59	MG	BA	1730	1/1	0.94	0.12	-	37,37,37,37	0
59	MG	DA	3445	1/1	0.96	0.33	-	59,59,59,59	0
59	MG	BA	2205	1/1	0.72	0.17	-	109,109,109,109	0
59	MG	DA	3181	1/1	0.89	0.25	-	40,40,40,40	0
59	MG	BA	1879	1/1	0.95	0.42	-	46,46,46,46	0
59	MG	DA	4411	1/1	0.96	0.15	-	42,42,42,42	0
59	MG	AA	3631	1/1	0.80	0.13	-	58,58,58,58	0
59	MG	DA	3537	1/1	0.97	0.11	-	43,43,43,43	0
59	MG	DA	4524	1/1	0.86	0.41	-	50,50,50,50	0
59	MG	AA	3981	1/1	0.78	0.27	-	131,131,131,131	0
59	MG	CA	1729	1/1	0.87	0.27	-	46,46,46,46	0
59	MG	DA	3030	1/1	0.99	0.20	-	3,3,3,3	0
59	MG	AA	4037	1/1	0.91	0.11	-	43,43,43,43	0
59	MG	DA	4968	1/1	0.97	0.21	-	65,65,65,65	0
59	MG	DA	4440	1/1	0.82	0.35	-	54,54,54,54	0
59	MG	AA	3972	1/1	0.93	0.65	-	60,60,60,60	0
59	MG	DA	3604	1/1	0.89	0.13	-	57,57,57,57	0
59	MG	DA	4935	1/1	0.88	0.70	-	105,105,105,105	0
59	MG	DA	3858	1/1	0.92	0.13	-	49,49,49,49	0
59	MG	DA	4415	1/1	0.94	0.14	-	74,74,74,74	0
59	MG	BA	1836	1/1	0.98	0.07	-	57,57,57,57	0
59	MG	BC	105	1/1	0.95	0.07	-	75,75,75,75	0
59	MG	A3	101	1/1	0.97	0.28	-	40,40,40,40	0
59	MG	AB	224	1/1	0.80	0.15	-	85,85,85,85	0
59	MG	DA	3079	1/1	0.97	0.26	-	37,37,37,37	0
59	MG	DA	4372	1/1	0.98	0.15	-	53,53,53,53	0
59	MG	CS	101	1/1	0.94	0.09	-	61,61,61,61	0
59	MG	DA	4193	1/1	0.91	0.59	-	78,78,78,78	0
59	MG	DA	3578	1/1	0.95	0.09	-	62,62,62,62	0
59	MG	BA	2006	1/1	0.91	0.22	-	71,71,71,71	0
59	MG	CA	2212	1/1	0.97	0.15	-	69,69,69,69	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4043	1/1	0.97	0.19	-	82,82,82,82	0
59	MG	DF	315	1/1	0.91	0.24	-	76,76,76,76	0
59	MG	BA	1711	1/1	0.94	0.22	-	68,68,68,68	0
59	MG	AA	3323	1/1	0.97	0.10	-	48,48,48,48	0
59	MG	AA	3344	1/1	0.79	0.16	-	76,76,76,76	0
59	MG	CA	2053	1/1	0.90	0.14	-	74,74,74,74	0
59	MG	DA	4975	1/1	0.90	0.19	-	78,78,78,78	0
59	MG	DA	3974	1/1	0.85	0.42	-	61,61,61,61	0
59	MG	DA	3573	1/1	0.45	0.16	-	84,84,84,84	0
59	MG	DA	3397	1/1	0.88	0.21	-	65,65,65,65	0
59	MG	DA	3063	1/1	0.98	0.38	-	23,23,23,23	0
59	MG	D0	209	1/1	0.68	0.27	-	91,91,91,91	0
59	MG	AA	3401	1/1	0.97	0.36	-	46,46,46,46	0
59	MG	DA	3637	1/1	0.92	0.28	-	63,63,63,63	0
59	MG	DA	3287	1/1	0.94	0.23	-	78,78,78,78	0
59	MG	DA	4672	1/1	0.61	0.36	-	95,95,95,95	0
59	MG	CA	2271	1/1	0.96	0.12	-	55,55,55,55	0
59	MG	DA	3825	1/1	0.86	0.16	-	77,77,77,77	0
59	MG	CA	2035	1/1	0.80	0.10	-	68,68,68,68	0
59	MG	DA	4333	1/1	0.98	0.12	-	52,52,52,52	0
59	MG	DA	3710	1/1	0.95	0.28	-	14,14,14,14	0
59	MG	AA	3065	1/1	0.84	0.17	-	60,60,60,60	0
59	MG	DA	4785	1/1	0.94	0.13	-	75,75,75,75	0
59	MG	DA	4263	1/1	0.81	0.18	-	66,66,66,66	0
59	MG	AA	3602	1/1	0.94	0.08	-	102,102,102,102	0
59	MG	AA	4040	1/1	0.76	0.23	-	67,67,67,67	0
59	MG	AA	3324	1/1	0.66	0.17	-	43,43,43,43	0
59	MG	DA	4525	1/1	0.90	0.21	-	108,108,108,108	0
59	MG	DA	4001	1/1	0.93	0.22	-	121,121,121,121	0
59	MG	DA	4274	1/1	0.93	0.17	-	41,41,41,41	0
59	MG	DA	3988	1/1	0.95	0.37	-	59,59,59,59	0
59	MG	DA	3797	1/1	0.85	0.20	-	95,95,95,95	0
59	MG	CA	2303	1/1	0.69	0.26	-	102,102,102,102	0
59	MG	DA	3242	1/1	0.99	0.24	-	18,18,18,18	0
59	MG	AA	3296	1/1	0.81	0.23	-	55,55,55,55	0
59	MG	CM	203	1/1	0.81	0.67	-	89,89,89,89	0
59	MG	CD	122	1/1	0.88	0.38	-	84,84,84,84	0
59	MG	CA	2159	1/1	0.92	0.12	-	46,46,46,46	0
59	MG	CA	1759	1/1	0.81	0.27	-	75,75,75,75	0
59	MG	CA	1797	1/1	0.96	0.14	-	52,52,52,52	0
59	MG	BA	1657	1/1	0.86	0.29	-	63,63,63,63	0
59	MG	CA	2285	1/1	0.97	0.17	-	135,135,135,135	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1962	1/1	0.73	0.19	-	76,76,76,76	0
59	MG	AQ	203	1/1	0.91	0.28	-	67,67,67,67	0
59	MG	CA	2201	1/1	0.87	0.09	-	80,80,80,80	0
59	MG	BA	1716	1/1	0.97	0.22	-	56,56,56,56	0
59	MG	DA	4758	1/1	0.92	0.32	-	71,71,71,71	0
59	MG	DA	3845	1/1	0.97	0.12	-	54,54,54,54	0
59	MG	AA	3284	1/1	0.77	0.13	-	78,78,78,78	0
59	MG	DA	3902	1/1	0.95	0.10	-	64,64,64,64	0
59	MG	DA	4155	1/1	0.88	0.34	-	89,89,89,89	0
59	MG	DA	3501	1/1	0.92	0.25	-	51,51,51,51	0
59	MG	BC	103	1/1	0.97	0.08	-	51,51,51,51	0
59	MG	BA	1792	1/1	0.78	0.32	-	79,79,79,79	0
59	MG	AA	3613	1/1	0.77	0.14	-	84,84,84,84	0
59	MG	AA	3336	1/1	0.96	0.10	-	122,122,122,122	0
59	MG	BA	1679	1/1	0.80	0.17	-	50,50,50,50	0
59	MG	CA	1676	1/1	0.60	0.22	-	89,89,89,89	0
59	MG	BA	1951	1/1	0.85	0.33	-	78,78,78,78	0
59	MG	DA	3835	1/1	0.86	0.16	-	61,61,61,61	0
59	MG	DA	4370	1/1	0.98	0.21	-	74,74,74,74	0
59	MG	BA	1958	1/1	0.90	0.08	-	80,80,80,80	0
59	MG	BC	115	1/1	0.87	0.13	-	106,106,106,106	0
59	MG	BA	1952	1/1	0.94	0.32	-	70,70,70,70	0
59	MG	BA	2107	1/1	0.46	0.18	-	83,83,83,83	0
59	MG	AA	4156	1/1	0.96	0.17	-	59,59,59,59	0
59	MG	DA	3985	1/1	0.97	0.24	-	81,81,81,81	0
59	MG	BA	2060	1/1	0.84	0.38	-	73,73,73,73	0
59	MG	BA	1614	1/1	0.94	0.33	-	73,73,73,73	0
59	MG	CA	2060	1/1	0.86	0.12	-	44,44,44,44	0
59	MG	AA	3286	1/1	0.83	0.18	-	67,67,67,67	0
59	MG	DA	3588	1/1	0.87	0.14	-	54,54,54,54	0
59	MG	CA	1816	1/1	0.94	0.14	-	86,86,86,86	0
59	MG	DA	3833	1/1	0.92	0.14	-	65,65,65,65	0
59	MG	DA	4311	1/1	0.88	0.30	-	83,83,83,83	0
59	MG	AA	3726	1/1	0.77	0.16	-	60,60,60,60	0
59	MG	DA	4529	1/1	0.89	0.29	-	75,75,75,75	0
59	MG	DA	3727	1/1	0.81	0.31	-	49,49,49,49	0
59	MG	DA	3422	1/1	0.93	0.15	-	41,41,41,41	0
59	MG	DA	4570	1/1	0.82	0.23	-	59,59,59,59	0
59	MG	DS	205	1/1	0.91	0.16	-	58,58,58,58	0
59	MG	AB	206	1/1	0.85	0.16	-	76,76,76,76	0
59	MG	BA	1636	1/1	0.92	0.28	-	44,44,44,44	0
59	MG	DA	4908	1/1	0.91	0.15	-	64,64,64,64	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4778	1/1	0.80	0.23	-	66,66,66,66	0
59	MG	DA	3215	1/1	0.88	0.19	-	84,84,84,84	0
59	MG	BA	1686	1/1	0.97	0.27	-	34,34,34,34	0
59	MG	CC	105	1/1	0.60	0.24	-	71,71,71,71	0
59	MG	AA	3913	1/1	0.90	0.14	-	38,38,38,38	0
59	MG	DA	4983	1/1	0.86	0.33	-	53,53,53,53	0
59	MG	AA	3448	1/1	0.83	0.28	-	93,93,93,93	0
59	MG	DA	4998	1/1	0.78	0.36	-	110,110,110,110	0
59	MG	DB	218	1/1	0.97	0.28	-	44,44,44,44	0
59	MG	DA	3256	1/1	0.87	0.23	-	50,50,50,50	0
59	MG	AA	3188	1/1	0.83	0.21	-	52,52,52,52	0
59	MG	DA	3777	1/1	0.94	0.29	-	107,107,107,107	0
59	MG	CA	1632	1/1	0.67	0.36	-	65,65,65,65	0
59	MG	BA	1632	1/1	0.65	0.33	-	68,68,68,68	0
59	MG	BA	1751	1/1	0.95	0.15	-	62,62,62,62	0
59	MG	AA	3998	1/1	0.61	0.23	-	86,86,86,86	0
59	MG	CA	2306	1/1	0.90	0.39	-	90,90,90,90	0
59	MG	CA	2198	1/1	0.86	0.11	-	81,81,81,81	0
59	MG	DA	3694	1/1	0.98	0.17	-	41,41,41,41	0
59	MG	DA	4934	1/1	0.81	0.30	-	61,61,61,61	0
59	MG	DA	4379	1/1	0.84	0.15	-	74,74,74,74	0
59	MG	CA	1761	1/1	0.79	0.27	-	65,65,65,65	0
59	MG	BA	1886	1/1	0.85	0.37	-	64,64,64,64	0
59	MG	BA	2245	1/1	0.91	0.28	-	71,71,71,71	0
59	MG	AB	213	1/1	0.92	0.12	-	60,60,60,60	0
59	MG	DA	3137	1/1	0.96	0.36	-	31,31,31,31	0
59	MG	D2	205	1/1	0.97	0.31	-	84,84,84,84	0
59	MG	CA	2316	1/1	0.84	0.26	-	75,75,75,75	0
59	MG	BA	2104	1/1	0.76	0.46	-	80,80,80,80	0
59	MG	DA	4322	1/1	0.93	0.33	-	65,65,65,65	0
59	MG	AA	3226	1/1	0.98	0.07	-	68,68,68,68	0
59	MG	DA	4856	1/1	0.91	0.17	-	49,49,49,49	0
59	MG	CA	1814	1/1	0.93	0.07	-	42,42,42,42	0
59	MG	DA	3021	1/1	0.96	0.31	-	26,26,26,26	0
59	MG	B1	103	1/1	0.88	0.36	-	67,67,67,67	0
59	MG	DB	243	1/1	0.96	0.13	-	53,53,53,53	0
59	MG	DA	3341	1/1	0.91	0.39	-	49,49,49,49	0
59	MG	AA	3598	1/1	0.95	0.18	-	79,79,79,79	0
59	MG	DF	320	1/1	0.61	0.24	-	58,58,58,58	0
59	MG	BD	101	1/1	0.92	0.34	-	86,86,86,86	0
59	MG	BA	1876	1/1	0.92	0.07	-	62,62,62,62	0
59	MG	AA	3580	1/1	0.95	0.08	-	50,50,50,50	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3293	1/1	0.92	0.11	-	45,45,45,45	0
59	MG	AA	3872	1/1	0.57	0.36	-	90,90,90,90	0
59	MG	DA	3214	1/1	0.85	0.35	-	57,57,57,57	0
59	MG	BA	1988	1/1	0.64	0.40	-	95,95,95,95	0
59	MG	DU	218	1/1	0.83	0.49	-	73,73,73,73	0
59	MG	CA	2277	1/1	0.88	0.13	-	103,103,103,103	0
59	MG	DA	4552	1/1	0.78	0.27	-	83,83,83,83	0
59	MG	DA	3852	1/1	0.97	0.38	-	55,55,55,55	0
59	MG	DA	4520	1/1	0.75	0.23	-	84,84,84,84	0
59	MG	BA	1965	1/1	0.96	0.31	-	110,110,110,110	0
59	MG	DA	4787	1/1	0.92	0.35	-	85,85,85,85	0
59	MG	DA	3112	1/1	0.95	0.31	-	49,49,49,49	0
59	MG	DA	3255	1/1	0.85	0.25	-	72,72,72,72	0
59	MG	CA	1968	1/1	0.77	0.23	-	90,90,90,90	0
59	MG	DA	4696	1/1	0.98	0.18	-	57,57,57,57	0
59	MG	AA	4065	1/1	0.94	0.18	-	68,68,68,68	0
59	MG	CA	2160	1/1	0.82	0.20	-	96,96,96,96	0
59	MG	AA	3930	1/1	0.94	0.66	-	46,46,46,46	0
59	MG	AA	3452	1/1	0.81	0.19	-	97,97,97,97	0
59	MG	DA	3308	1/1	0.95	0.50	-	75,75,75,75	0
59	MG	BA	1795	1/1	0.96	0.32	-	67,67,67,67	0
59	MG	BA	1843	1/1	0.93	0.07	-	63,63,63,63	0
59	MG	CA	2319	1/1	0.95	0.27	-	60,60,60,60	0
59	MG	AA	3882	1/1	0.81	0.18	-	77,77,77,77	0
59	MG	DA	3336	1/1	0.93	0.13	-	36,36,36,36	0
59	MG	DA	5027	1/1	0.81	0.41	-	85,85,85,85	0
59	MG	DA	3819	1/1	0.91	0.16	-	68,68,68,68	0
59	MG	CA	2180	1/1	0.76	0.18	-	66,66,66,66	0
59	MG	BG	305	1/1	0.90	0.23	-	70,70,70,70	0
59	MG	DA	4158	1/1	0.97	0.08	-	47,47,47,47	0
59	MG	BA	1628	1/1	0.97	0.23	-	49,49,49,49	0
59	MG	CA	2175	1/1	0.81	0.21	-	89,89,89,89	0
59	MG	AA	4138	1/1	0.92	0.33	-	57,57,57,57	0
59	MG	CK	210	1/1	0.89	0.19	-	71,71,71,71	0
59	MG	CR	101	1/1	0.72	0.19	-	89,89,89,89	0
59	MG	DB	261	1/1	0.66	0.35	-	91,91,91,91	0
59	MG	AB	218	1/1	0.74	0.18	-	81,81,81,81	0
59	MG	AA	3861	1/1	0.94	0.29	-	99,99,99,99	0
59	MG	AA	3594	1/1	0.96	0.10	-	78,78,78,78	0
59	MG	CI	201	1/1	0.82	0.14	-	56,56,56,56	0
59	MG	DA	4204	1/1	0.97	0.18	-	45,45,45,45	0
59	MG	AA	3091	1/1	0.97	0.38	-	59,59,59,59	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3669	1/1	0.89	0.20	-	68,68,68,68	0
59	MG	DA	3375	1/1	0.60	0.37	-	64,64,64,64	0
59	MG	DA	4598	1/1	0.85	0.23	-	71,71,71,71	0
59	MG	BA	2134	1/1	0.91	0.09	-	62,62,62,62	0
59	MG	AA	4153	1/1	0.72	0.29	-	109,109,109,109	0
59	MG	AA	3830	1/1	0.87	0.08	-	83,83,83,83	0
59	MG	CA	1639	1/1	0.96	0.20	-	43,43,43,43	0
59	MG	DA	3436	1/1	0.96	0.16	-	48,48,48,48	0
59	MG	DE	307	1/1	0.96	0.18	-	62,62,62,62	0
59	MG	AA	3929	1/1	0.91	0.07	-	104,104,104,104	0
59	MG	CA	1978	1/1	0.93	0.07	-	93,93,93,93	0
59	MG	DA	4245	1/1	0.90	0.18	-	73,73,73,73	0
59	MG	AA	3954	1/1	0.92	0.23	-	71,71,71,71	0
59	MG	CA	1840	1/1	0.67	0.18	-	84,84,84,84	0
59	MG	CA	1803	1/1	0.96	0.12	-	36,36,36,36	0
59	MG	BA	2129	1/1	0.90	0.08	-	75,75,75,75	0
59	MG	DA	4029	1/1	0.87	0.16	-	65,65,65,65	0
59	MG	CA	1616	1/1	0.91	0.23	-	39,39,39,39	0
59	MG	BA	1924	1/1	0.90	0.45	-	78,78,78,78	0
59	MG	CA	1870	1/1	0.96	0.10	-	58,58,58,58	0
59	MG	DA	3571	1/1	0.94	0.29	-	93,93,93,93	0
59	MG	AA	4077	1/1	0.96	0.22	-	67,67,67,67	0
59	MG	DA	3381	1/1	0.97	0.24	-	66,66,66,66	0
59	MG	AA	4021	1/1	0.87	0.09	-	80,80,80,80	0
59	MG	BA	1757	1/1	0.72	0.27	-	39,39,39,39	0
59	MG	AK	203	1/1	0.71	0.16	-	86,86,86,86	0
59	MG	BA	2080	1/1	0.87	0.12	-	61,61,61,61	0
59	MG	DA	4650	1/1	0.77	0.30	-	83,83,83,83	0
59	MG	AA	3612	1/1	0.86	0.27	-	106,106,106,106	0
59	MG	CC	118	1/1	0.87	0.24	-	66,66,66,66	0
59	MG	DA	3692	1/1	0.89	0.08	-	60,60,60,60	0
59	MG	CA	2241	1/1	0.40	0.23	-	98,98,98,98	0
59	MG	DA	5015	1/1	0.49	0.58	-	102,102,102,102	0
59	MG	CA	1823	1/1	0.92	0.09	-	67,67,67,67	0
59	MG	DA	3598	1/1	0.58	0.47	-	116,116,116,116	0
59	MG	BA	1873	1/1	0.75	0.18	-	109,109,109,109	0
59	MG	CA	1975	1/1	0.91	0.32	-	71,71,71,71	0
59	MG	DL	201	1/1	0.82	0.10	-	94,94,94,94	0
59	MG	CA	1644	1/1	0.96	0.16	-	24,24,24,24	0
59	MG	AA	3246	1/1	0.93	0.20	-	45,45,45,45	0
59	MG	BB	113	1/1	0.91	0.16	-	142,142,142,142	0
59	MG	DA	4268	1/1	0.91	0.18	-	58,58,58,58	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3982	1/1	0.94	0.38	-	106,106,106,106	0
59	MG	CA	1654	1/1	0.92	0.21	-	48,48,48,48	0
59	MG	AA	4032	1/1	0.87	0.46	-	102,102,102,102	0
59	MG	D3	101	1/1	0.94	0.31	-	33,33,33,33	0
59	MG	AF	306	1/1	0.85	0.16	-	77,77,77,77	0
59	MG	DA	4152	1/1	0.95	0.24	-	54,54,54,54	0
59	MG	CA	1899	1/1	0.79	0.19	-	49,49,49,49	0
59	MG	AA	3164	1/1	0.93	0.27	-	79,79,79,79	0
59	MG	CA	2089	1/1	0.96	0.18	-	63,63,63,63	0
59	MG	CD	119	1/1	0.93	0.14	-	60,60,60,60	0
59	MG	AA	3291	1/1	0.92	0.16	-	34,34,34,34	0
59	MG	CA	1927	1/1	0.96	0.12	-	62,62,62,62	0
59	MG	AA	3522	1/1	0.99	0.04	-	14,14,14,14	0
59	MG	DA	4915	1/1	0.75	0.40	-	64,64,64,64	0
59	MG	BA	1646	1/1	0.86	0.15	-	82,82,82,82	0
59	MG	BD	110	1/1	0.88	0.10	-	81,81,81,81	0
59	MG	DA	4375	1/1	0.97	0.25	-	52,52,52,52	0
59	MG	DA	3831	1/1	0.82	0.12	-	61,61,61,61	0
59	MG	CA	2185	1/1	0.86	0.11	-	87,87,87,87	0
59	MG	DA	4082	1/1	0.63	0.56	-	75,75,75,75	0
59	MG	BA	2158	1/1	0.87	0.41	-	77,77,77,77	0
59	MG	DA	4390	1/1	0.96	0.24	-	53,53,53,53	0
59	MG	AA	4002	1/1	0.89	0.12	-	93,93,93,93	0
59	MG	AH	201	1/1	0.85	0.09	-	78,78,78,78	0
59	MG	DA	3468	1/1	0.91	0.19	-	49,49,49,49	0
59	MG	DA	4811	1/1	0.89	0.23	-	97,97,97,97	0
59	MG	CA	1750	1/1	0.54	0.20	-	82,82,82,82	0
59	MG	DA	3257	1/1	0.78	0.25	-	66,66,66,66	0
59	MG	DA	3812	1/1	0.93	0.10	-	73,73,73,73	0
59	MG	CA	2103	1/1	0.66	0.27	-	111,111,111,111	0
59	MG	CA	1703	1/1	0.46	0.19	-	49,49,49,49	0
59	MG	A3	104	1/1	0.80	0.13	-	83,83,83,83	0
59	MG	CB	119	1/1	0.95	0.03	-	69,69,69,69	0
59	MG	CA	2027	1/1	0.81	0.43	-	110,110,110,110	0
59	MG	DA	4188	1/1	0.92	0.10	-	39,39,39,39	0
59	MG	CA	1603	1/1	0.85	0.42	-	80,80,80,80	0
59	MG	AA	4058	1/1	0.90	0.15	-	63,63,63,63	0
59	MG	DA	4218	1/1	0.87	0.10	-	51,51,51,51	0
59	MG	CA	2220	1/1	0.80	0.32	-	112,112,112,112	0
59	MG	AA	3867	1/1	0.88	0.10	-	41,41,41,41	0
59	MG	BA	1746	1/1	0.95	0.10	-	40,40,40,40	0
59	MG	CA	1859	1/1	0.86	0.28	-	106,106,106,106	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4605	1/1	0.81	0.38	-	70,70,70,70	0
59	MG	AA	3312	1/1	0.97	0.13	-	40,40,40,40	0
59	MG	DA	3453	1/1	0.90	0.23	-	56,56,56,56	0
59	MG	AA	3435	1/1	0.67	0.14	-	69,69,69,69	0
59	MG	AA	3904	1/1	0.52	0.18	-	77,77,77,77	0
59	MG	DU	207	1/1	0.77	0.20	-	97,97,97,97	0
59	MG	DA	3593	1/1	0.94	0.28	-	29,29,29,29	0
59	MG	DA	3402	1/1	0.96	0.15	-	24,24,24,24	0
59	MG	DA	3979	1/1	0.82	0.31	-	82,82,82,82	0
59	MG	AA	3834	1/1	0.94	0.19	-	79,79,79,79	0
59	MG	CA	1818	1/1	0.78	0.21	-	101,101,101,101	0
59	MG	CA	1915	1/1	0.85	0.12	-	108,108,108,108	0
59	MG	AA	3642	1/1	0.90	0.24	-	56,56,56,56	0
59	MG	DA	3562	1/1	0.75	0.39	-	73,73,73,73	0
59	MG	DA	3828	1/1	0.87	0.19	-	70,70,70,70	0
59	MG	CA	2218	1/1	0.93	0.20	-	82,82,82,82	0
59	MG	CA	1751	1/1	0.96	0.22	-	34,34,34,34	0
59	MG	CA	1704	1/1	0.91	0.23	-	46,46,46,46	0
59	MG	CA	2139	1/1	0.82	0.09	-	96,96,96,96	0
59	MG	BA	1977	1/1	0.95	0.06	-	85,85,85,85	0
59	MG	AA	3506	1/1	0.96	0.23	-	27,27,27,27	0
59	MG	DE	311	1/1	0.81	0.24	-	42,42,42,42	0
59	MG	DA	3860	1/1	0.92	0.31	-	55,55,55,55	0
59	MG	DA	3670	1/1	0.98	0.22	-	78,78,78,78	0
59	MG	DA	4579	1/1	0.95	0.16	-	81,81,81,81	0
59	MG	AA	3227	1/1	0.99	0.14	-	30,30,30,30	0
59	MG	DA	3649	1/1	0.66	0.18	-	71,71,71,71	0
59	MG	DA	4727	1/1	0.81	0.15	-	69,69,69,69	0
59	MG	AA	3738	1/1	0.86	0.19	-	66,66,66,66	0
59	MG	AA	3846	1/1	0.92	0.39	-	88,88,88,88	0
59	MG	BD	106	1/1	0.87	0.40	-	91,91,91,91	0
59	MG	AA	3939	1/1	0.95	0.18	-	54,54,54,54	0
59	MG	AA	3911	1/1	0.96	0.19	-	69,69,69,69	0
59	MG	DA	3577	1/1	0.73	0.33	-	101,101,101,101	0
59	MG	BA	1648	1/1	0.92	0.26	-	50,50,50,50	0
59	MG	DA	5036	1/1	0.99	0.22	-	52,52,52,52	0
59	MG	CF	302	1/1	0.81	0.22	-	79,79,79,79	0
59	MG	CA	1720	1/1	0.94	0.38	-	80,80,80,80	0
59	MG	DU	219	1/1	0.85	0.19	-	72,72,72,72	0
59	MG	DA	3689	1/1	0.87	0.20	-	67,67,67,67	0
59	MG	CR	103	1/1	0.82	0.20	-	70,70,70,70	0
59	MG	DA	4031	1/1	0.67	0.33	-	79,79,79,79	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2280	1/1	0.92	0.07	-	84,84,84,84	0
59	MG	BA	1678	1/1	0.76	0.33	-	77,77,77,77	0
59	MG	DA	3068	1/1	0.98	0.18	-	15,15,15,15	0
59	MG	DA	4687	1/1	0.95	0.17	-	76,76,76,76	0
59	MG	DB	236	1/1	0.91	0.15	-	49,49,49,49	0
59	MG	AA	3917	1/1	0.88	0.30	-	98,98,98,98	0
59	MG	CA	1837	1/1	0.95	0.15	-	79,79,79,79	0
59	MG	DO	212	1/1	0.87	0.30	-	44,44,44,44	0
59	MG	DA	3874	1/1	0.86	0.51	-	69,69,69,69	0
59	MG	DA	5056	1/1	0.79	0.61	-	98,98,98,98	0
59	MG	CA	2018	1/1	0.89	0.33	-	106,106,106,106	0
59	MG	DA	3207	1/1	0.87	0.34	-	45,45,45,45	0
59	MG	DA	3032	1/1	0.98	0.25	-	6,6,6,6	0
59	MG	AA	3234	1/1	0.96	0.12	-	54,54,54,54	0
59	MG	DA	4762	1/1	0.93	0.23	-	77,77,77,77	0
59	MG	CA	2282	1/1	0.77	0.20	-	128,128,128,128	0
59	MG	DA	4749	1/1	0.94	0.22	-	78,78,78,78	0
59	MG	AK	201	1/1	0.90	0.21	-	64,64,64,64	0
59	MG	AA	3062	1/1	0.95	0.09	-	29,29,29,29	0
59	MG	DA	4281	1/1	0.87	0.21	-	51,51,51,51	0
59	MG	DA	4693	1/1	0.84	0.29	-	62,62,62,62	0
59	MG	BA	2059	1/1	0.96	0.19	-	67,67,67,67	0
59	MG	CA	2145	1/1	0.90	0.21	-	80,80,80,80	0
59	MG	CG	303	1/1	0.71	0.11	-	73,73,73,73	0
59	MG	DA	3302	1/1	0.85	0.34	-	50,50,50,50	0
59	MG	AA	4017	1/1	0.85	0.14	-	96,96,96,96	0
59	MG	AA	3797	1/1	0.85	0.28	-	96,96,96,96	0
59	MG	AA	3449	1/1	0.96	0.20	-	82,82,82,82	0
59	MG	BO	201	1/1	0.96	0.10	-	72,72,72,72	0
59	MG	DA	3274	1/1	0.72	0.41	-	67,67,67,67	0
59	MG	AA	4111	1/1	0.75	0.15	-	108,108,108,108	0
59	MG	AA	4091	1/1	0.93	0.13	-	107,107,107,107	0
59	MG	CA	2045	1/1	0.83	0.18	-	66,66,66,66	0
59	MG	DA	3303	1/1	0.92	0.41	-	46,46,46,46	0
59	MG	DA	3010	1/1	0.95	0.15	-	10,10,10,10	0
59	MG	DA	3587	1/1	0.97	0.23	-	21,21,21,21	0
59	MG	BA	1772	1/1	0.63	0.40	-	75,75,75,75	0
59	MG	DA	3784	1/1	0.97	0.16	-	52,52,52,52	0
59	MG	AA	3688	1/1	0.95	0.31	-	59,59,59,59	0
59	MG	DA	4388	1/1	0.82	0.27	-	80,80,80,80	0
59	MG	CA	2055	1/1	0.95	0.29	-	60,60,60,60	0
59	MG	DA	3959	1/1	0.97	0.20	-	59,59,59,59	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3854	1/1	0.93	0.25	-	71,71,71,71	0
59	MG	CA	2322	1/1	0.92	0.21	-	88,88,88,88	0
59	MG	AA	3838	1/1	0.95	0.10	-	102,102,102,102	0
59	MG	DA	4189	1/1	0.96	0.08	-	60,60,60,60	0
59	MG	BA	2258	1/1	0.58	0.16	-	77,77,77,77	0
59	MG	BA	1900	1/1	0.96	0.10	-	83,83,83,83	0
59	MG	AA	4006	1/1	0.87	0.11	-	65,65,65,65	0
59	MG	CA	2202	1/1	0.95	0.28	-	47,47,47,47	0
59	MG	DA	4282	1/1	0.89	0.14	-	60,60,60,60	0
59	MG	DA	4449	1/1	0.89	0.20	-	64,64,64,64	0
59	MG	DE	302	1/1	0.97	0.22	-	8,8,8,8	0
59	MG	DA	3239	1/1	0.99	0.35	-	37,37,37,37	0
59	MG	AA	3806	1/1	0.82	0.11	-	79,79,79,79	0
59	MG	CA	1992	1/1	0.90	0.11	-	77,77,77,77	0
59	MG	DW	102	1/1	0.95	0.19	-	37,37,37,37	0
59	MG	DA	3554	1/1	0.95	0.32	-	51,51,51,51	0
59	MG	DA	3781	1/1	0.89	0.13	-	73,73,73,73	0
59	MG	DA	3164	1/1	0.94	0.27	-	53,53,53,53	0
59	MG	AA	3317	1/1	0.85	0.17	-	57,57,57,57	0
59	MG	DA	4846	1/1	0.92	0.18	-	73,73,73,73	0
59	MG	AA	3682	1/1	0.91	0.13	-	75,75,75,75	0
59	MG	AA	4141	1/1	0.78	0.11	-	88,88,88,88	0
59	MG	DA	3346	1/1	0.96	0.42	-	49,49,49,49	0
59	MG	BA	2218	1/1	0.88	0.17	-	80,80,80,80	0
59	MG	DA	4503	1/1	0.90	0.28	-	96,96,96,96	0
59	MG	AA	4044	1/1	0.65	0.42	-	93,93,93,93	0
59	MG	AA	3470	1/1	0.90	0.20	-	76,76,76,76	0
59	MG	DA	4871	1/1	0.51	0.32	-	86,86,86,86	0
59	MG	DA	4225	1/1	0.97	0.11	-	83,83,83,83	0
59	MG	BA	1652	1/1	0.82	0.32	-	40,40,40,40	0
59	MG	DA	4980	1/1	0.73	0.48	-	79,79,79,79	0
59	MG	DA	3826	1/1	0.96	0.23	-	33,33,33,33	0
59	MG	CA	1860	1/1	0.83	0.26	-	107,107,107,107	0
59	MG	DA	4548	1/1	0.95	0.12	-	53,53,53,53	0
59	MG	DA	3992	1/1	0.77	0.25	-	61,61,61,61	0
59	MG	AA	3437	1/1	0.89	0.13	-	51,51,51,51	0
59	MG	DA	3633	1/1	0.77	0.29	-	48,48,48,48	0
59	MG	CA	1714	1/1	0.74	0.31	-	66,66,66,66	0
59	MG	BA	2199	1/1	0.91	0.17	-	107,107,107,107	0
59	MG	BA	1755	1/1	0.81	0.15	-	56,56,56,56	0
59	MG	CA	1789	1/1	0.87	0.05	-	99,99,99,99	0
59	MG	AA	3908	1/1	0.65	0.66	-	68,68,68,68	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1706	1/1	0.89	0.29	-	52,52,52,52	0
59	MG	DA	3379	1/1	0.98	0.16	-	36,36,36,36	0
59	MG	CA	1854	1/1	0.75	0.18	-	67,67,67,67	0
59	MG	DB	233	1/1	0.78	0.14	-	45,45,45,45	0
59	MG	AA	3215	1/1	0.89	0.16	-	72,72,72,72	0
59	MG	AA	3148	1/1	0.83	0.13	-	53,53,53,53	0
59	MG	DA	4314	1/1	0.91	0.26	-	67,67,67,67	0
59	MG	CV	102	1/1	0.88	0.15	-	63,63,63,63	0
59	MG	DA	3855	1/1	0.94	0.11	-	85,85,85,85	0
59	MG	AA	3249	1/1	0.91	0.22	-	41,41,41,41	0
59	MG	DA	4159	1/1	0.87	0.18	-	62,62,62,62	0
59	MG	CA	2146	1/1	0.91	0.22	-	85,85,85,85	0
59	MG	CG	302	1/1	0.71	0.14	-	67,67,67,67	0
59	MG	CA	1772	1/1	0.78	0.21	-	62,62,62,62	0
59	MG	AA	3098	1/1	0.96	0.21	-	45,45,45,45	0
59	MG	C1	101	1/1	0.91	0.43	-	156,156,156,156	0
59	MG	DB	252	1/1	0.67	0.29	-	101,101,101,101	0
59	MG	DA	3535	1/1	0.61	0.24	-	69,69,69,69	0
59	MG	DA	4217	1/1	0.90	0.24	-	57,57,57,57	0
59	MG	DA	3596	1/1	0.79	0.19	-	76,76,76,76	0
59	MG	AA	3026	1/1	0.97	0.38	-	38,38,38,38	0
59	MG	DO	218	1/1	0.80	0.19	-	74,74,74,74	0
59	MG	DA	3221	1/1	0.90	0.32	-	43,43,43,43	0
59	MG	AA	3155	1/1	0.94	0.16	-	46,46,46,46	0
59	MG	DA	3155	1/1	0.98	0.18	-	32,32,32,32	0
59	MG	AA	3386	1/1	0.90	0.11	-	51,51,51,51	0
59	MG	DA	4717	1/1	0.78	0.33	-	80,80,80,80	0
59	MG	BA	1740	1/1	0.96	0.09	-	42,42,42,42	0
59	MG	CA	1667	1/1	0.95	0.25	-	50,50,50,50	0
59	MG	DA	4851	1/1	0.81	0.20	-	139,139,139,139	0
59	MG	DA	4863	1/1	0.80	0.22	-	83,83,83,83	0
59	MG	BD	112	1/1	0.92	0.21	-	78,78,78,78	0
59	MG	AA	3762	1/1	0.93	0.18	-	63,63,63,63	0
59	MG	DA	4183	1/1	0.93	0.10	-	53,53,53,53	0
59	MG	DA	5022	1/1	0.93	0.09	-	82,82,82,82	0
59	MG	AA	3107	1/1	0.97	0.27	-	32,32,32,32	0
59	MG	AA	4086	1/1	0.88	0.23	-	76,76,76,76	0
59	MG	DA	4738	1/1	0.91	0.10	-	55,55,55,55	0
59	MG	BA	1778	1/1	0.90	0.36	-	49,49,49,49	0
59	MG	AA	4014	1/1	0.74	0.17	-	84,84,84,84	0
59	MG	CA	2213	1/1	0.76	0.11	-	84,84,84,84	0
59	MG	DA	4523	1/1	0.94	0.16	-	51,51,51,51	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2307	1/1	0.73	0.15	-	76,76,76,76	0
59	MG	DA	3962	1/1	0.92	0.15	-	81,81,81,81	0
59	MG	AA	3079	1/1	0.95	0.09	-	40,40,40,40	0
59	MG	AA	3181	1/1	0.88	0.20	-	51,51,51,51	0
59	MG	DA	3416	1/1	0.95	0.17	-	62,62,62,62	0
59	MG	DA	4731	1/1	0.77	0.19	-	63,63,63,63	0
59	MG	BA	2148	1/1	0.83	0.14	-	110,110,110,110	0
59	MG	DA	4292	1/1	0.85	0.26	-	62,62,62,62	0
59	MG	DA	4776	1/1	0.84	0.07	-	72,72,72,72	0
59	MG	AA	3773	1/1	0.85	0.21	-	76,76,76,76	0
59	MG	DA	4706	1/1	0.93	0.35	-	89,89,89,89	0
59	MG	BA	1867	1/1	0.72	0.32	-	121,121,121,121	0
59	MG	CD	130	1/1	0.47	0.23	-	84,84,84,84	0
59	MG	DA	4047	1/1	0.96	0.10	-	44,44,44,44	0
59	MG	AA	3256	1/1	0.94	0.21	-	62,62,62,62	0
59	MG	DA	4994	1/1	0.85	0.19	-	98,98,98,98	0
59	MG	DA	3145	1/1	0.98	0.25	-	39,39,39,39	0
59	MG	DA	4709	1/1	0.92	0.25	-	81,81,81,81	0
59	MG	DA	3418	1/1	0.53	0.23	-	60,60,60,60	0
59	MG	BA	2268	1/1	0.87	0.17	-	87,87,87,87	0
59	MG	DA	3347	1/1	0.88	0.27	-	29,29,29,29	0
59	MG	AA	3400	1/1	0.94	0.21	-	58,58,58,58	0
59	MG	DA	3204	1/1	0.93	0.15	-	50,50,50,50	0
59	MG	DA	3916	1/1	0.95	0.34	-	36,36,36,36	0
59	MG	BA	2168	1/1	0.91	0.08	-	73,73,73,73	0
59	MG	BA	2236	1/1	0.93	0.26	-	82,82,82,82	0
59	MG	AA	3319	1/1	0.95	0.14	-	85,85,85,85	0
59	MG	DA	3756	1/1	0.94	0.29	-	126,126,126,126	0
59	MG	DA	3949	1/1	0.84	0.15	-	132,132,132,132	0
59	MG	DA	4613	1/1	0.96	0.32	-	64,64,64,64	0
59	MG	BA	1874	1/1	0.91	0.10	-	93,93,93,93	0
59	MG	DA	4383	1/1	0.93	0.44	-	85,85,85,85	0
59	MG	D8	104	1/1	0.88	0.55	-	50,50,50,50	0
59	MG	AA	4066	1/1	0.84	0.17	-	82,82,82,82	0
59	MG	DA	3786	1/1	0.96	0.18	-	68,68,68,68	0
59	MG	CA	2111	1/1	0.91	0.06	-	75,75,75,75	0
59	MG	DA	3201	1/1	0.95	0.21	-	45,45,45,45	0
59	MG	AA	3271	1/1	0.84	0.31	-	83,83,83,83	0
59	MG	AA	3149	1/1	0.92	0.26	-	61,61,61,61	0
59	MG	CA	2267	1/1	0.91	0.25	-	80,80,80,80	0
59	MG	AA	3789	1/1	0.84	0.18	-	55,55,55,55	0
59	MG	AA	3663	1/1	0.91	0.24	-	61,61,61,61	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1604	1/1	0.97	0.22	-	47,47,47,47	0
59	MG	AA	4142	1/1	0.84	0.39	-	104,104,104,104	0
59	MG	AA	3735	1/1	0.94	0.07	-	50,50,50,50	0
59	MG	DA	4284	1/1	0.83	0.22	-	52,52,52,52	0
59	MG	DA	3600	1/1	0.88	0.20	-	59,59,59,59	0
59	MG	AA	3272	1/1	0.90	0.31	-	54,54,54,54	0
59	MG	CA	2240	1/1	0.97	0.25	-	70,70,70,70	0
59	MG	DQ	201	1/1	0.90	0.18	-	51,51,51,51	0
59	MG	DA	3121	1/1	0.82	0.30	-	51,51,51,51	0
59	MG	CA	1769	1/1	0.95	0.16	-	42,42,42,42	0
59	MG	DA	3151	1/1	0.94	0.25	-	49,49,49,49	0
59	MG	CA	1657	1/1	0.93	0.18	-	35,35,35,35	0
59	MG	AA	3665	1/1	0.79	0.40	-	80,80,80,80	0
59	MG	DA	3636	1/1	0.93	0.10	-	46,46,46,46	0
59	MG	BA	2019	1/1	0.85	0.36	-	80,80,80,80	0
59	MG	CA	1976	1/1	0.93	0.21	-	88,88,88,88	0
59	MG	AA	4073	1/1	0.68	0.11	-	84,84,84,84	0
59	MG	DA	5045	1/1	0.96	0.24	-	72,72,72,72	0
59	MG	CA	1647	1/1	0.98	0.20	-	13,13,13,13	0
59	MG	DA	3611	1/1	0.27	0.58	-	115,115,115,115	0
59	MG	DA	3749	1/1	0.99	0.05	-	92,92,92,92	0
59	MG	DA	4528	1/1	0.93	0.15	-	65,65,65,65	0
59	MG	BA	1620	1/1	0.70	0.25	-	50,50,50,50	0
59	MG	BA	1748	1/1	0.87	0.30	-	66,66,66,66	0
59	MG	AA	3455	1/1	0.95	0.09	-	22,22,22,22	0
59	MG	BA	2057	1/1	0.88	0.10	-	103,103,103,103	0
59	MG	DA	4988	1/1	0.94	0.13	-	64,64,64,64	0
59	MG	DA	3556	1/1	0.79	0.35	-	107,107,107,107	0
59	MG	DA	4071	1/1	0.94	0.25	-	55,55,55,55	0
59	MG	CB	112	1/1	0.75	0.13	-	77,77,77,77	0
59	MG	DA	4642	1/1	0.92	0.25	-	57,57,57,57	0
59	MG	CS	104	1/1	0.79	0.17	-	125,125,125,125	0
59	MG	DA	3153	1/1	0.98	0.26	-	26,26,26,26	0
59	MG	DA	3057	1/1	0.98	0.22	-	6,6,6,6	0
59	MG	AA	3596	1/1	0.86	0.14	-	65,65,65,65	0
59	MG	CA	2009	1/1	0.92	0.13	-	61,61,61,61	0
59	MG	CA	2234	1/1	0.76	0.21	-	81,81,81,81	0
59	MG	BA	2204	1/1	0.94	0.19	-	70,70,70,70	0
59	MG	BA	1948	1/1	0.93	0.34	-	75,75,75,75	0
59	MG	DA	4678	1/1	0.93	0.13	-	68,68,68,68	0
59	MG	CA	2011	1/1	0.89	0.16	-	62,62,62,62	0
59	MG	DA	4355	1/1	0.91	0.50	-	79,79,79,79	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4628	1/1	0.95	0.16	-	94,94,94,94	0
59	MG	AA	3298	1/1	0.79	0.13	-	38,38,38,38	0
59	MG	DA	3657	1/1	0.80	0.15	-	74,74,74,74	0
59	MG	AA	3199	1/1	0.92	0.34	-	75,75,75,75	0
59	MG	DA	4916	1/1	0.71	0.16	-	88,88,88,88	0
59	MG	BA	1950	1/1	0.90	0.23	-	62,62,62,62	0
59	MG	CA	2293	1/1	0.88	0.13	-	80,80,80,80	0
59	MG	DA	3278	1/1	0.74	0.31	-	62,62,62,62	0
59	MG	DA	3701	1/1	0.97	0.32	-	10,10,10,10	0
59	MG	DA	4219	1/1	0.98	0.21	-	60,60,60,60	0
59	MG	CA	2315	1/1	0.94	0.25	-	94,94,94,94	0
59	MG	AA	3723	1/1	0.90	0.37	-	79,79,79,79	0
59	MG	DA	3008	1/1	0.93	0.26	-	10,10,10,10	0
59	MG	DA	4115	1/1	0.52	0.35	-	81,81,81,81	0
59	MG	BA	1607	1/1	0.91	0.25	-	74,74,74,74	0
59	MG	DA	4614	1/1	0.82	0.37	-	78,78,78,78	0
59	MG	AA	3541	1/1	0.84	0.18	-	49,49,49,49	0
59	MG	CA	2321	1/1	0.84	0.19	-	90,90,90,90	0
59	MG	D7	101	1/1	0.87	0.32	-	52,52,52,52	0
59	MG	CA	1947	1/1	0.94	0.12	-	82,82,82,82	0
59	MG	DA	4659	1/1	0.94	0.18	-	68,68,68,68	0
59	MG	BA	1823	1/1	0.92	0.08	-	84,84,84,84	0
59	MG	CA	1627	1/1	0.87	0.24	-	49,49,49,49	0
59	MG	BA	1779	1/1	0.97	0.27	-	45,45,45,45	0
59	MG	AT	103	1/1	0.86	0.21	-	85,85,85,85	0
59	MG	BA	1930	1/1	0.80	0.24	-	62,62,62,62	0
59	MG	AA	3704	1/1	0.94	0.13	-	59,59,59,59	0
59	MG	BA	1825	1/1	0.93	0.10	-	121,121,121,121	0
59	MG	DA	4377	1/1	0.91	0.17	-	46,46,46,46	0
59	MG	AA	4131	1/1	0.72	0.18	-	99,99,99,99	0
59	MG	CA	2196	1/1	0.94	0.12	-	62,62,62,62	0
59	MG	BA	1826	1/1	0.98	0.08	-	75,75,75,75	0
59	MG	DA	4345	1/1	0.87	0.12	-	58,58,58,58	0
59	MG	CA	2114	1/1	0.61	0.34	-	111,111,111,111	0
59	MG	DB	217	1/1	0.92	0.25	-	46,46,46,46	0
59	MG	DA	3896	1/1	0.91	0.14	-	69,69,69,69	0
59	MG	DA	4682	1/1	0.92	0.31	-	63,63,63,63	0
59	MG	CA	2033	1/1	0.71	0.14	-	73,73,73,73	0
59	MG	AA	3606	1/1	0.82	0.20	-	97,97,97,97	0
59	MG	DA	4087	1/1	0.95	0.18	-	45,45,45,45	0
59	MG	CB	109	1/1	0.84	0.10	-	60,60,60,60	0
59	MG	DA	5034	1/1	0.94	0.33	-	76,76,76,76	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1995	1/1	0.68	0.17	-	84,84,84,84	0
59	MG	AA	3240	1/1	0.98	0.22	-	34,34,34,34	0
59	MG	DA	4769	1/1	0.72	0.24	-	68,68,68,68	0
59	MG	AU	201	1/1	0.90	0.20	-	51,51,51,51	0
59	MG	AA	3231	1/1	0.97	0.09	-	43,43,43,43	0
59	MG	DA	3431	1/1	0.88	0.36	-	61,61,61,61	0
59	MG	DA	3124	1/1	0.93	0.20	-	36,36,36,36	0
59	MG	AA	3833	1/1	0.72	0.19	-	80,80,80,80	0
59	MG	DA	5071	1/1	0.91	0.30	-	101,101,101,101	0
59	MG	BA	1625	1/1	0.94	0.28	-	74,74,74,74	0
59	MG	DA	4153	1/1	0.94	0.23	-	48,48,48,48	0
59	MG	BA	2211	1/1	0.91	0.24	-	78,78,78,78	0
59	MG	DA	5054	1/1	0.61	0.71	-	67,67,67,67	0
59	MG	DA	3544	1/1	0.92	0.17	-	51,51,51,51	0
59	MG	BA	1666	1/1	0.95	0.12	-	43,43,43,43	0
59	MG	AA	3402	1/1	0.30	0.17	-	66,66,66,66	0
59	MG	DA	3290	1/1	0.90	0.22	-	33,33,33,33	0
59	MG	AA	3961	1/1	0.92	0.29	-	54,54,54,54	0
59	MG	DA	4059	1/1	0.91	0.16	-	103,103,103,103	0
59	MG	BC	116	1/1	0.52	0.20	-	107,107,107,107	0
59	MG	BA	1759	1/1	0.97	0.18	-	77,77,77,77	0
59	MG	BW	203	1/1	0.83	0.29	-	125,125,125,125	0
59	MG	AA	3756	1/1	0.75	0.19	-	65,65,65,65	0
59	MG	AA	3004	1/1	0.96	0.18	-	7,7,7,7	0
59	MG	AA	3716	1/1	0.93	0.12	-	74,74,74,74	0
59	MG	AA	3418	1/1	0.79	0.48	-	91,91,91,91	0
59	MG	DA	4462	1/1	0.70	0.20	-	74,74,74,74	0
59	MG	AA	3353	1/1	0.77	0.33	-	83,83,83,83	0
59	MG	AA	3956	1/1	0.93	0.43	-	93,93,93,93	0
59	MG	AA	3564	1/1	0.72	0.24	-	67,67,67,67	0
59	MG	DA	3225	1/1	0.97	0.10	-	39,39,39,39	0
59	MG	AA	3432	1/1	0.85	0.30	-	83,83,83,83	0
59	MG	DA	3140	1/1	0.95	0.29	-	26,26,26,26	0
59	MG	BA	1796	1/1	0.80	0.42	-	77,77,77,77	0
59	MG	DA	4708	1/1	0.96	0.14	-	46,46,46,46	0
59	MG	DA	4517	1/1	0.98	0.23	-	97,97,97,97	0
59	MG	DA	4799	1/1	0.96	0.46	-	98,98,98,98	0
59	MG	AU	204	1/1	0.67	0.29	-	87,87,87,87	0
59	MG	DA	4187	1/1	0.89	0.12	-	46,46,46,46	0
59	MG	DA	4866	1/1	0.93	0.23	-	53,53,53,53	0
59	MG	DA	3865	1/1	0.98	0.14	-	87,87,87,87	0
59	MG	DA	5052	1/1	0.75	0.23	-	49,49,49,49	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DS	204	1/1	0.88	0.43	-	75,75,75,75	0
59	MG	DA	5055	1/1	0.91	0.27	-	69,69,69,69	0
59	MG	DA	4873	1/1	0.99	0.17	-	49,49,49,49	0
59	MG	CA	1610	1/1	0.89	0.26	-	48,48,48,48	0
59	MG	CN	202	1/1	0.92	0.20	-	64,64,64,64	0
59	MG	CA	2192	1/1	0.75	0.13	-	60,60,60,60	0
59	MG	DA	3717	1/1	0.94	0.10	-	1,1,1,1	0
59	MG	CA	2004	1/1	0.88	0.13	-	61,61,61,61	0
59	MG	BA	1834	1/1	0.78	0.14	-	70,70,70,70	0
59	MG	DA	3387	1/1	0.90	0.13	-	47,47,47,47	0
59	MG	DA	3677	1/1	0.97	0.25	-	78,78,78,78	0
59	MG	AA	3584	1/1	0.85	0.55	-	85,85,85,85	0
59	MG	DV	304	1/1	0.88	0.27	-	77,77,77,77	0
59	MG	AA	3362	1/1	0.88	0.11	-	62,62,62,62	0
59	MG	AA	3039	1/1	0.98	0.23	-	30,30,30,30	0
59	MG	CV	101	1/1	0.89	0.09	-	53,53,53,53	0
59	MG	DA	4085	1/1	0.94	0.21	-	60,60,60,60	0
59	MG	DA	3517	1/1	0.89	0.10	-	29,29,29,29	0
59	MG	CA	1731	1/1	0.92	0.14	-	56,56,56,56	0
59	MG	DA	4997	1/1	0.80	0.18	-	50,50,50,50	0
59	MG	DA	4065	1/1	0.92	0.11	-	58,58,58,58	0
59	MG	DA	3056	1/1	0.99	0.21	-	12,12,12,12	0
59	MG	DA	4733	1/1	0.37	0.30	-	84,84,84,84	0
59	MG	DA	4624	1/1	0.93	0.12	-	68,68,68,68	0
59	MG	DA	3980	1/1	0.93	0.59	-	65,65,65,65	0
59	MG	CA	2221	1/1	0.83	0.13	-	72,72,72,72	0
59	MG	CA	2204	1/1	0.85	0.28	-	87,87,87,87	0
59	MG	AA	3942	1/1	0.50	0.25	-	85,85,85,85	0
59	MG	CA	1942	1/1	0.79	0.51	-	105,105,105,105	0
59	MG	DA	4000	1/1	0.96	0.11	-	50,50,50,50	0
59	MG	DA	3723	1/1	0.93	0.21	-	19,19,19,19	0
59	MG	AA	3493	1/1	0.95	0.07	-	76,76,76,76	0
59	MG	DA	3319	1/1	0.97	0.15	-	46,46,46,46	0
59	MG	AA	3421	1/1	0.84	0.12	-	43,43,43,43	0
59	MG	BA	2011	1/1	0.94	0.19	-	64,64,64,64	0
59	MG	DA	3051	1/1	0.99	0.23	-	17,17,17,17	0
59	MG	DA	3432	1/1	0.98	0.23	-	46,46,46,46	0
59	MG	DA	3244	1/1	0.98	0.15	-	97,97,97,97	0
59	MG	CC	101	1/1	0.93	0.22	-	41,41,41,41	0
59	MG	AA	3290	1/1	0.66	0.19	-	78,78,78,78	0
59	MG	AA	4020	1/1	0.80	0.26	-	85,85,85,85	0
59	MG	DA	4441	1/1	0.98	0.17	-	62,62,62,62	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3894	1/1	0.76	0.17	-	101,101,101,101	0
59	MG	DA	3735	1/1	0.90	0.26	-	76,76,76,76	0
59	MG	CA	2166	1/1	0.74	0.31	-	91,91,91,91	0
59	MG	DO	202	1/1	0.95	0.22	-	35,35,35,35	0
59	MG	AA	3265	1/1	0.73	0.40	-	71,71,71,71	0
59	MG	DA	3987	1/1	0.92	0.20	-	53,53,53,53	0
59	MG	DA	3846	1/1	0.96	0.13	-	64,64,64,64	0
59	MG	DA	5064	1/1	0.98	0.12	-	61,61,61,61	0
59	MG	DA	3039	1/1	0.96	0.19	-	10,10,10,10	0
59	MG	CD	101	1/1	0.71	0.20	-	85,85,85,85	0
59	MG	CA	1984	1/1	0.87	0.28	-	49,49,49,49	0
59	MG	DA	4974	1/1	0.92	0.19	-	57,57,57,57	0
59	MG	DA	4925	1/1	0.84	0.28	-	73,73,73,73	0
59	MG	DA	3879	1/1	0.82	0.14	-	83,83,83,83	0
59	MG	AA	3456	1/1	0.97	0.13	-	20,20,20,20	0
59	MG	BA	1763	1/1	0.95	0.25	-	57,57,57,57	0
59	MG	BA	1781	1/1	0.95	0.15	-	69,69,69,69	0
59	MG	BA	1869	1/1	0.80	0.12	-	73,73,73,73	0
59	MG	DA	3963	1/1	0.98	0.15	-	59,59,59,59	0
59	MG	DA	4739	1/1	0.76	0.36	-	77,77,77,77	0
59	MG	DA	3483	1/1	0.86	0.25	-	61,61,61,61	0
59	MG	DU	204	1/1	0.95	0.09	-	62,62,62,62	0
59	MG	CA	1813	1/1	0.85	0.33	-	116,116,116,116	0
59	MG	DB	223	1/1	0.97	0.07	-	58,58,58,58	0
59	MG	CA	2032	1/1	0.94	0.24	-	69,69,69,69	0
59	MG	AA	3757	1/1	0.76	0.21	-	56,56,56,56	0
59	MG	AA	3852	1/1	0.52	0.42	-	67,67,67,67	0
59	MG	BA	2251	1/1	0.87	0.42	-	89,89,89,89	0
59	MG	DA	3493	1/1	0.88	0.13	-	50,50,50,50	0
59	MG	CA	2119	1/1	0.94	0.25	-	76,76,76,76	0
59	MG	BA	1877	1/1	0.91	0.15	-	75,75,75,75	0
59	MG	AA	3585	1/1	0.95	0.15	-	45,45,45,45	0
59	MG	DA	4789	1/1	0.93	0.21	-	46,46,46,46	0
59	MG	AA	3984	1/1	0.75	0.18	-	98,98,98,98	0
59	MG	D2	202	1/1	0.98	0.20	-	52,52,52,52	0
59	MG	AA	3120	1/1	0.92	0.40	-	59,59,59,59	0
59	MG	DA	3070	1/1	0.98	0.24	-	24,24,24,24	0
59	MG	CH	204	1/1	0.95	0.27	-	93,93,93,93	0
59	MG	DA	4334	1/1	0.94	0.46	-	70,70,70,70	0
59	MG	DA	3523	1/1	0.85	0.41	-	82,82,82,82	0
59	MG	AA	3595	1/1	0.62	0.36	-	103,103,103,103	0
59	MG	DA	3722	1/1	0.86	0.20	-	83,83,83,83	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1827	1/1	0.81	0.25	-	101,101,101,101	0
59	MG	BA	1962	1/1	0.94	0.13	-	73,73,73,73	0
59	MG	DA	4165	1/1	0.96	0.11	-	35,35,35,35	0
59	MG	CA	2010	1/1	0.73	0.54	-	104,104,104,104	0
59	MG	DA	3715	1/1	0.87	0.21	-	75,75,75,75	0
59	MG	DA	4255	1/1	0.93	0.30	-	54,54,54,54	0
59	MG	DA	3798	1/1	0.98	0.18	-	30,30,30,30	0
59	MG	DA	4923	1/1	0.92	0.10	-	74,74,74,74	0
59	MG	DA	4482	1/1	0.90	0.41	-	80,80,80,80	0
59	MG	CA	2105	1/1	0.68	0.43	-	94,94,94,94	0
59	MG	CE	305	1/1	0.63	0.27	-	95,95,95,95	0
59	MG	AA	3394	1/1	0.91	0.16	-	45,45,45,45	0
59	MG	BD	102	1/1	0.61	0.24	-	84,84,84,84	0
59	MG	AA	3851	1/1	0.96	0.11	-	60,60,60,60	0
59	MG	DA	4839	1/1	0.67	0.28	-	75,75,75,75	0
59	MG	BA	2242	1/1	0.86	0.18	-	57,57,57,57	0
59	MG	BA	2159	1/1	0.94	0.18	-	89,89,89,89	0
59	MG	DA	3740	1/1	0.96	0.12	-	49,49,49,49	0
59	MG	DA	4458	1/1	0.85	0.16	-	51,51,51,51	0
59	MG	AA	3918	1/1	0.90	0.12	-	90,90,90,90	0
59	MG	DA	3651	1/1	0.90	0.18	-	40,40,40,40	0
59	MG	DA	3547	1/1	0.86	0.41	-	68,68,68,68	0
59	MG	AA	3583	1/1	0.87	0.43	-	72,72,72,72	0
59	MG	DA	4881	1/1	0.84	0.27	-	85,85,85,85	0
59	MG	AA	3659	1/1	0.97	0.17	-	67,67,67,67	0
59	MG	CA	1694	1/1	0.59	0.17	-	56,56,56,56	0
59	MG	DA	4276	1/1	0.83	1.07	-	75,75,75,75	0
59	MG	AA	3791	1/1	0.89	0.25	-	65,65,65,65	0
59	MG	DA	3100	1/1	0.93	0.18	-	36,36,36,36	0
59	MG	DA	4473	1/1	0.79	0.34	-	60,60,60,60	0
59	MG	BA	1896	1/1	0.87	0.07	-	83,83,83,83	0
59	MG	DA	4182	1/1	0.93	0.40	-	82,82,82,82	0
59	MG	DA	4902	1/1	0.97	0.19	-	82,82,82,82	0
59	MG	BK	205	1/1	0.79	0.36	-	86,86,86,86	0
59	MG	AO	203	1/1	0.92	0.11	-	47,47,47,47	0
59	MG	AA	3832	1/1	0.94	0.14	-	63,63,63,63	0
59	MG	CA	1852	1/1	0.37	0.29	-	143,143,143,143	0
59	MG	DA	4368	1/1	0.93	0.15	-	51,51,51,51	0
59	MG	DA	4313	1/1	0.88	0.23	-	56,56,56,56	0
59	MG	DA	3134	1/1	0.95	0.43	-	44,44,44,44	0
59	MG	AA	3844	1/1	0.91	0.33	-	94,94,94,94	0
59	MG	DA	4842	1/1	0.59	0.29	-	65,65,65,65	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3604	1/1	0.90	0.09	-	74,74,74,74	0
59	MG	AA	3964	1/1	0.74	0.37	-	111,111,111,111	0
59	MG	BK	203	1/1	0.84	0.09	-	69,69,69,69	0
59	MG	DA	3719	1/1	0.95	0.25	-	29,29,29,29	0
59	MG	DA	4920	1/1	0.88	0.16	-	61,61,61,61	0
59	MG	AA	3069	1/1	0.98	0.12	-	29,29,29,29	0
59	MG	CA	1809	1/1	0.98	0.24	-	82,82,82,82	0
59	MG	DA	3794	1/1	0.96	0.30	-	38,38,38,38	0
59	MG	DA	3910	1/1	0.97	0.10	-	143,143,143,143	0
59	MG	BD	109	1/1	0.47	0.39	-	139,139,139,139	0
59	MG	CA	1698	1/1	0.85	0.35	-	101,101,101,101	0
59	MG	BA	2220	1/1	0.74	0.38	-	86,86,86,86	0
59	MG	AA	3469	1/1	0.95	0.22	-	42,42,42,42	0
59	MG	DA	3656	1/1	0.87	0.24	-	81,81,81,81	0
59	MG	BA	2249	1/1	0.91	0.18	-	66,66,66,66	0
59	MG	DA	4813	1/1	0.89	0.38	-	78,78,78,78	0
59	MG	DA	4662	1/1	0.91	0.33	-	101,101,101,101	0
59	MG	DB	245	1/1	0.78	0.15	-	59,59,59,59	0
59	MG	BA	1938	1/1	0.97	0.18	-	69,69,69,69	0
59	MG	DA	3371	1/1	0.81	0.25	-	73,73,73,73	0
59	MG	DA	4919	1/1	0.93	0.31	-	58,58,58,58	0
59	MG	CA	2151	1/1	0.91	0.14	-	60,60,60,60	0
59	MG	CA	2288	1/1	0.93	0.25	-	74,74,74,74	0
59	MG	AA	3321	1/1	0.78	0.17	-	69,69,69,69	0
59	MG	DA	3374	1/1	0.90	0.17	-	84,84,84,84	0
59	MG	AA	4107	1/1	0.61	0.49	-	98,98,98,98	0
59	MG	BA	2151	1/1	0.83	0.20	-	81,81,81,81	0
59	MG	DA	3991	1/1	0.99	0.07	-	96,96,96,96	0
59	MG	DO	205	1/1	0.94	0.30	-	52,52,52,52	0
59	MG	DA	4718	1/1	0.97	0.07	-	69,69,69,69	0
59	MG	CA	1722	1/1	0.91	0.18	-	50,50,50,50	0
59	MG	AA	3624	1/1	0.92	0.29	-	38,38,38,38	0
59	MG	DA	3632	1/1	0.98	0.10	-	52,52,52,52	0
59	MG	DA	4597	1/1	0.84	0.15	-	59,59,59,59	0
59	MG	DB	247	1/1	0.98	0.09	-	61,61,61,61	0
59	MG	CA	1881	1/1	0.96	0.30	-	48,48,48,48	0
59	MG	DA	3863	1/1	0.88	0.23	-	69,69,69,69	0
59	MG	BA	1902	1/1	0.93	0.33	-	71,71,71,71	0
59	MG	AA	3170	1/1	0.96	0.20	-	32,32,32,32	0
59	MG	BA	2201	1/1	0.86	0.29	-	85,85,85,85	0
59	MG	DA	4209	1/1	0.96	0.18	-	83,83,83,83	0
59	MG	DA	4632	1/1	0.95	0.15	-	71,71,71,71	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2269	1/1	0.54	0.17	-	71,71,71,71	0
59	MG	DA	3767	1/1	0.90	0.45	-	88,88,88,88	0
59	MG	D1	210	1/1	0.87	0.35	-	66,66,66,66	0
59	MG	CB	110	1/1	0.93	0.10	-	39,39,39,39	0
59	MG	AA	4151	1/1	0.73	0.12	-	108,108,108,108	0
59	MG	DA	4622	1/1	0.89	0.37	-	54,54,54,54	0
59	MG	AA	3795	1/1	0.87	0.13	-	106,106,106,106	0
59	MG	BS	102	1/1	0.93	0.06	-	69,69,69,69	0
59	MG	DA	3259	1/1	0.89	0.34	-	60,60,60,60	0
59	MG	DW	106	1/1	0.94	0.19	-	61,61,61,61	0
59	MG	BA	2252	1/1	0.95	0.08	-	70,70,70,70	0
59	MG	DA	4336	1/1	0.86	0.28	-	73,73,73,73	0
59	MG	BA	2005	1/1	0.92	0.04	-	75,75,75,75	0
59	MG	BA	1724	1/1	0.34	0.34	-	100,100,100,100	0
59	MG	DQ	202	1/1	0.95	0.14	-	42,42,42,42	0
59	MG	AA	3679	1/1	0.90	0.41	-	70,70,70,70	0
59	MG	CA	1885	1/1	0.85	0.29	-	49,49,49,49	0
59	MG	AA	3348	1/1	0.98	0.13	-	26,26,26,26	0
59	MG	AA	3868	1/1	0.56	0.19	-	80,80,80,80	0
59	MG	CA	1959	1/1	0.87	0.17	-	56,56,56,56	0
59	MG	AA	4041	1/1	0.61	0.28	-	101,101,101,101	0
59	MG	AA	3486	1/1	0.94	0.19	-	60,60,60,60	0
59	MG	CA	2124	1/1	0.80	0.41	-	94,94,94,94	0
59	MG	CB	118	1/1	0.90	0.09	-	73,73,73,73	0
59	MG	DA	5035	1/1	0.92	0.24	-	51,51,51,51	0
59	MG	DA	4076	1/1	0.98	0.11	-	27,27,27,27	0
59	MG	DA	3482	1/1	0.98	0.12	-	39,39,39,39	0
59	MG	DA	3882	1/1	0.84	0.36	-	43,43,43,43	0
59	MG	DA	4793	1/1	0.75	0.27	-	86,86,86,86	0
59	MG	AA	3478	1/1	0.88	0.15	-	59,59,59,59	0
59	MG	AA	3754	1/1	0.94	0.13	-	73,73,73,73	0
59	MG	BA	2098	1/1	0.94	0.29	-	73,73,73,73	0
59	MG	BA	2179	1/1	0.88	0.14	-	101,101,101,101	0
59	MG	AA	4092	1/1	0.94	0.16	-	90,90,90,90	0
59	MG	DA	4330	1/1	0.91	0.14	-	56,56,56,56	0
59	MG	DA	3540	1/1	0.95	0.22	-	74,74,74,74	0
59	MG	DA	3736	1/1	0.84	0.17	-	100,100,100,100	0
59	MG	DA	4033	1/1	0.95	0.22	-	103,103,103,103	0
59	MG	DV	305	1/1	0.65	0.35	-	86,86,86,86	0
59	MG	CA	2295	1/1	0.52	0.19	-	110,110,110,110	0
59	MG	AA	3307	1/1	0.93	0.19	-	50,50,50,50	0
59	MG	AA	3907	1/1	0.94	1.04	-	57,57,57,57	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3114	1/1	0.81	0.33	-	97,97,97,97	0
59	MG	DA	4510	1/1	0.90	0.38	-	78,78,78,78	0
59	MG	DA	3871	1/1	0.97	0.45	-	49,49,49,49	0
59	MG	AA	3792	1/1	0.85	0.53	-	82,82,82,82	0
59	MG	BA	2072	1/1	0.93	0.14	-	72,72,72,72	0
59	MG	DA	4927	1/1	0.52	0.21	-	160,160,160,160	0
59	MG	DA	3817	1/1	0.96	0.17	-	46,46,46,46	0
59	MG	BA	1780	1/1	0.84	0.47	-	85,85,85,85	0
59	MG	DA	4243	1/1	0.93	0.17	-	59,59,59,59	0
59	MG	CA	2245	1/1	0.93	0.41	-	133,133,133,133	0
59	MG	BA	1801	1/1	0.92	0.23	-	40,40,40,40	0
59	MG	CA	2284	1/1	0.58	0.15	-	85,85,85,85	0
59	MG	AA	3161	1/1	0.71	0.18	-	63,63,63,63	0
59	MG	AA	3609	1/1	0.97	0.14	-	72,72,72,72	0
59	MG	AA	3233	1/1	0.92	0.20	-	55,55,55,55	0
59	MG	DS	207	1/1	0.66	0.35	-	109,109,109,109	0
59	MG	DA	4722	1/1	0.95	0.15	-	109,109,109,109	0
59	MG	AA	3269	1/1	0.94	0.26	-	61,61,61,61	0
59	MG	DA	3844	1/1	0.80	0.20	-	109,109,109,109	0
59	MG	DA	4073	1/1	0.93	0.32	-	106,106,106,106	0
59	MG	AD	309	1/1	0.95	0.35	-	48,48,48,48	0
59	MG	DA	3139	1/1	0.94	0.28	-	45,45,45,45	0
59	MG	CC	125	1/1	0.87	0.14	-	52,52,52,52	0
59	MG	AA	3365	1/1	0.97	0.25	-	39,39,39,39	0
59	MG	DA	3342	1/1	0.90	0.30	-	55,55,55,55	0
59	MG	DA	4016	1/1	0.96	0.07	-	40,40,40,40	0
59	MG	BA	1821	1/1	0.15	0.19	-	93,93,93,93	0
59	MG	DA	4519	1/1	0.93	0.13	-	118,118,118,118	0
59	MG	DA	4105	1/1	0.89	0.17	-	62,62,62,62	0
59	MG	BA	2094	1/1	0.92	0.13	-	50,50,50,50	0
59	MG	DA	4428	1/1	0.94	0.16	-	64,64,64,64	0
59	MG	BA	1669	1/1	0.96	0.25	-	32,32,32,32	0
59	MG	CM	201	1/1	0.91	0.22	-	74,74,74,74	0
59	MG	DB	264	1/1	0.93	0.13	-	44,44,44,44	0
59	MG	DA	4422	1/1	0.87	0.31	-	71,71,71,71	0
59	MG	BA	1897	1/1	0.91	0.21	-	65,65,65,65	0
59	MG	AA	3566	1/1	0.82	0.19	-	65,65,65,65	0
59	MG	CA	2258	1/1	0.83	0.18	-	75,75,75,75	0
59	MG	CD	108	1/1	0.74	0.42	-	97,97,97,97	0
59	MG	DA	4711	1/1	0.99	0.15	-	94,94,94,94	0
59	MG	AA	3810	1/1	0.86	0.28	-	85,85,85,85	0
59	MG	AB	228	1/1	0.96	0.10	-	64,64,64,64	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3213	1/1	0.92	0.39	-	53,53,53,53	0
59	MG	AA	3713	1/1	0.88	0.20	-	83,83,83,83	0
59	MG	CA	2263	1/1	0.62	0.39	-	98,98,98,98	0
59	MG	BA	2223	1/1	0.93	0.30	-	71,71,71,71	0
59	MG	A7	103	1/1	0.87	0.30	-	45,45,45,45	0
59	MG	DB	235	1/1	0.88	0.22	-	65,65,65,65	0
59	MG	DA	3444	1/1	0.98	0.36	-	56,56,56,56	0
59	MG	DA	4280	1/1	0.87	0.08	-	91,91,91,91	0
59	MG	DA	4865	1/1	0.78	0.26	-	67,67,67,67	0
59	MG	BA	1760	1/1	0.96	0.23	-	85,85,85,85	0
59	MG	CC	123	1/1	0.81	0.17	-	74,74,74,74	0
59	MG	AA	3876	1/1	0.89	0.16	-	67,67,67,67	0
59	MG	CC	116	1/1	0.90	0.10	-	66,66,66,66	0
59	MG	AA	3071	1/1	0.76	0.31	-	16,16,16,16	0
59	MG	DF	313	1/1	0.91	0.16	-	68,68,68,68	0
59	MG	CA	2216	1/1	0.83	0.16	-	89,89,89,89	0
59	MG	AA	3634	1/1	0.96	0.28	-	52,52,52,52	0
59	MG	DA	5065	1/1	0.70	0.38	-	89,89,89,89	0
59	MG	BA	1809	1/1	0.92	0.14	-	114,114,114,114	0
59	MG	AA	3997	1/1	0.81	0.16	-	78,78,78,78	0
59	MG	BA	2243	1/1	0.63	0.55	-	114,114,114,114	0
59	MG	DA	4492	1/1	0.65	0.34	-	66,66,66,66	0
59	MG	CA	2256	1/1	0.90	0.24	-	110,110,110,110	0
59	MG	DD	313	1/1	0.83	0.15	-	64,64,64,64	0
59	MG	DA	3235	1/1	0.96	0.13	-	25,25,25,25	0
59	MG	AA	3741	1/1	0.98	0.22	-	63,63,63,63	0
59	MG	DA	3516	1/1	0.91	0.21	-	53,53,53,53	0
59	MG	AA	3318	1/1	0.94	0.28	-	65,65,65,65	0
59	MG	CA	2079	1/1	0.92	0.24	-	83,83,83,83	0
59	MG	AA	3959	1/1	0.84	0.33	-	96,96,96,96	0
59	MG	CA	2305	1/1	0.85	0.25	-	81,81,81,81	0
59	MG	DA	3296	1/1	0.96	0.19	-	19,19,19,19	0
59	MG	DA	4989	1/1	0.89	0.25	-	66,66,66,66	0
59	MG	DA	3277	1/1	0.82	0.43	-	67,67,67,67	0
59	MG	BA	1634	1/1	0.97	0.27	-	37,37,37,37	0
59	MG	CA	2063	1/1	0.74	0.17	-	78,78,78,78	0
59	MG	BA	1910	1/1	0.91	0.09	-	59,59,59,59	0
59	MG	CD	123	1/1	0.73	0.25	-	120,120,120,120	0
59	MG	DA	4403	1/1	0.84	0.28	-	83,83,83,83	0
59	MG	DA	3015	1/1	0.96	0.25	-	30,30,30,30	0
59	MG	DA	3822	1/1	0.89	0.30	-	55,55,55,55	0
59	MG	CA	2203	1/1	0.94	0.11	-	84,84,84,84	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	D6	101	1/1	0.94	0.27	-	63,63,63,63	0
59	MG	AA	3070	1/1	0.97	0.14	-	35,35,35,35	0
59	MG	AA	3189	1/1	0.83	0.13	-	52,52,52,52	0
59	MG	CA	1925	1/1	0.47	0.51	-	115,115,115,115	0
59	MG	AA	3121	1/1	0.95	0.30	-	85,85,85,85	0
59	MG	CA	2273	1/1	0.80	0.14	-	65,65,65,65	0
59	MG	DA	3986	1/1	0.91	0.19	-	51,51,51,51	0
59	MG	DB	219	1/1	0.74	0.30	-	70,70,70,70	0
59	MG	AA	3894	1/1	0.57	0.31	-	86,86,86,86	0
59	MG	DA	3546	1/1	0.98	0.28	-	29,29,29,29	0
59	MG	DA	3969	1/1	0.95	0.12	-	48,48,48,48	0
59	MG	BX	101	1/1	0.73	0.25	-	74,74,74,74	0
59	MG	AA	3843	1/1	0.95	0.18	-	81,81,81,81	0
59	MG	DA	4460	1/1	0.98	0.14	-	61,61,61,61	0
59	MG	DA	4815	1/1	0.69	0.25	-	53,53,53,53	0
59	MG	AA	3878	1/1	0.64	0.21	-	84,84,84,84	0
59	MG	CA	1811	1/1	0.97	0.06	-	46,46,46,46	0
59	MG	CA	1681	1/1	0.95	0.18	-	24,24,24,24	0
59	MG	CB	114	1/1	0.34	0.16	-	71,71,71,71	0
59	MG	DA	4906	1/1	0.89	0.26	-	96,96,96,96	0
59	MG	AA	4067	1/1	0.91	0.19	-	86,86,86,86	0
59	MG	DA	4568	1/1	0.90	0.28	-	55,55,55,55	0
59	MG	D5	103	1/1	0.95	0.19	-	32,32,32,32	0
59	MG	AA	3163	1/1	0.85	0.22	-	65,65,65,65	0
59	MG	CA	2262	1/1	0.92	0.09	-	61,61,61,61	0
59	MG	DA	3762	1/1	0.94	0.18	-	89,89,89,89	0
59	MG	DA	4354	1/1	0.90	0.30	-	65,65,65,65	0
59	MG	CA	1675	1/1	0.87	0.32	-	53,53,53,53	0
59	MG	DA	5049	1/1	0.91	0.29	-	80,80,80,80	0
59	MG	DA	3659	1/1	0.84	0.23	-	61,61,61,61	0
59	MG	DA	4779	1/1	0.60	0.52	-	92,92,92,92	0
59	MG	AA	4160	1/1	0.80	0.26	-	74,74,74,74	0
59	MG	CA	1726	1/1	0.90	0.18	-	48,48,48,48	0
59	MG	CA	1787	1/1	0.83	0.08	-	59,59,59,59	0
59	MG	DA	4426	1/1	0.91	0.49	-	75,75,75,75	0
59	MG	DA	3861	1/1	0.94	0.19	-	77,77,77,77	0
59	MG	AA	3969	1/1	0.91	0.15	-	60,60,60,60	0
59	MG	DA	4620	1/1	0.76	0.24	-	84,84,84,84	0
59	MG	DA	4761	1/1	0.82	0.30	-	78,78,78,78	0
59	MG	AA	3027	1/1	0.90	0.17	-	60,60,60,60	0
59	MG	D7	105	1/1	0.85	0.17	-	52,52,52,52	0
59	MG	AB	223	1/1	0.71	0.17	-	112,112,112,112	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3350	1/1	0.95	0.14	-	50,50,50,50	0
59	MG	DA	3395	1/1	0.94	0.37	-	42,42,42,42	0
59	MG	DA	3993	1/1	0.92	0.21	-	51,51,51,51	0
59	MG	AA	3775	1/1	0.78	0.48	-	91,91,91,91	0
59	MG	DA	4550	1/1	0.97	0.20	-	61,61,61,61	0
59	MG	DA	3849	1/1	0.94	0.12	-	63,63,63,63	0
59	MG	DA	3148	1/1	0.91	0.46	-	67,67,67,67	0
59	MG	AA	3695	1/1	0.92	0.15	-	49,49,49,49	0
59	MG	AA	3973	1/1	0.79	0.16	-	86,86,86,86	0
59	MG	AA	3941	1/1	0.92	0.16	-	57,57,57,57	0
59	MG	AA	3593	1/1	0.72	0.20	-	80,80,80,80	0
59	MG	AA	3347	1/1	0.89	0.21	-	66,66,66,66	0
59	MG	DA	3943	1/1	0.93	0.08	-	47,47,47,47	0
59	MG	DA	4342	1/1	0.87	0.28	-	93,93,93,93	0
59	MG	DA	4660	1/1	0.78	0.24	-	73,73,73,73	0
59	MG	CA	1884	1/1	0.94	0.14	-	64,64,64,64	0
59	MG	DA	4264	1/1	0.88	0.17	-	58,58,58,58	0
59	MG	DA	4845	1/1	0.94	0.60	-	43,43,43,43	0
59	MG	DA	3738	1/1	0.96	0.14	-	45,45,45,45	0
59	MG	AA	3764	1/1	0.97	0.17	-	53,53,53,53	0
59	MG	CA	2135	1/1	0.89	0.07	-	92,92,92,92	0
59	MG	DA	4829	1/1	0.65	0.29	-	106,106,106,106	0
59	MG	BA	1956	1/1	0.57	0.59	-	111,111,111,111	0
59	MG	DA	3570	1/1	0.88	0.38	-	71,71,71,71	0
59	MG	DA	4587	1/1	0.77	0.20	-	71,71,71,71	0
59	MG	DA	4869	1/1	0.88	0.24	-	44,44,44,44	0
59	MG	BA	2075	1/1	0.85	0.53	-	101,101,101,101	0
59	MG	BD	125	1/1	0.71	0.30	-	105,105,105,105	0
59	MG	AA	3414	1/1	0.88	0.28	-	56,56,56,56	0
59	MG	CA	1948	1/1	0.86	0.11	-	97,97,97,97	0
59	MG	AA	3346	1/1	0.71	0.27	-	58,58,58,58	0
59	MG	BA	2018	1/1	0.69	0.24	-	84,84,84,84	0
59	MG	BA	2081	1/1	0.73	0.28	-	69,69,69,69	0
59	MG	AA	3115	1/1	0.92	0.36	-	76,76,76,76	0
59	MG	DA	4494	1/1	0.76	0.34	-	84,84,84,84	0
59	MG	DA	3150	1/1	0.94	0.29	-	39,39,39,39	0
59	MG	CA	2150	1/1	0.82	0.17	-	85,85,85,85	0
59	MG	DA	4167	1/1	0.99	0.28	-	44,44,44,44	0
59	MG	AA	3654	1/1	0.94	0.18	-	59,59,59,59	0
59	MG	BA	1806	1/1	0.87	0.16	-	78,78,78,78	0
59	MG	CA	1932	1/1	0.94	0.22	-	51,51,51,51	0
59	MG	BC	108	1/1	0.93	0.13	-	81,81,81,81	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1846	1/1	0.93	0.13	-	63,63,63,63	0
59	MG	AA	3697	1/1	0.84	0.28	-	78,78,78,78	0
59	MG	CA	1858	1/1	0.73	0.13	-	73,73,73,73	0
59	MG	DA	4783	1/1	0.51	0.38	-	93,93,93,93	0
59	MG	DA	4493	1/1	0.86	0.30	-	107,107,107,107	0
59	MG	DA	3691	1/1	0.92	0.16	-	69,69,69,69	0
59	MG	CA	1713	1/1	0.98	0.42	-	57,57,57,57	0
59	MG	AA	3495	1/1	0.94	0.27	-	56,56,56,56	0
59	MG	DA	3766	1/1	0.78	0.24	-	77,77,77,77	0
59	MG	BA	1728	1/1	0.93	0.14	-	47,47,47,47	0
59	MG	DA	3206	1/1	0.72	0.30	-	76,76,76,76	0
59	MG	DA	3912	1/1	0.76	0.23	-	89,89,89,89	0
59	MG	CA	1770	1/1	0.86	0.16	-	56,56,56,56	0
59	MG	CA	2147	1/1	0.89	0.16	-	69,69,69,69	0
59	MG	DA	4987	1/1	0.98	0.32	-	37,37,37,37	0
59	MG	DA	3764	1/1	0.95	0.19	-	98,98,98,98	0
59	MG	BA	1923	1/1	0.78	0.34	-	81,81,81,81	0
59	MG	BA	1633	1/1	0.90	0.20	-	45,45,45,45	0
59	MG	DA	4084	1/1	0.77	0.27	-	79,79,79,79	0
59	MG	AA	4150	1/1	0.64	0.22	-	82,82,82,82	0
59	MG	DA	3851	1/1	0.90	0.23	-	72,72,72,72	0
59	MG	AA	3299	1/1	0.96	0.12	-	82,82,82,82	0
59	MG	AA	3732	1/1	0.77	0.12	-	76,76,76,76	0
59	MG	BA	2026	1/1	0.88	0.11	-	128,128,128,128	0
59	MG	CA	2170	1/1	0.86	0.11	-	70,70,70,70	0
59	MG	AA	3674	1/1	0.91	0.24	-	61,61,61,61	0
59	MG	CA	2236	1/1	0.52	0.29	-	104,104,104,104	0
59	MG	CA	2098	1/1	0.93	0.09	-	64,64,64,64	0
59	MG	DA	5004	1/1	0.89	0.25	-	80,80,80,80	0
59	MG	AA	3218	1/1	0.63	0.24	-	65,65,65,65	0
59	MG	CA	2289	1/1	0.89	0.18	-	75,75,75,75	0
59	MG	CA	1636	1/1	0.97	0.16	-	16,16,16,16	0
59	MG	DA	4796	1/1	0.97	0.26	-	45,45,45,45	0
59	MG	DA	4538	1/1	0.93	0.27	-	92,92,92,92	0
59	MG	AA	3053	1/1	0.99	0.15	-	30,30,30,30	0
59	MG	AA	3892	1/1	0.89	0.29	-	84,84,84,84	0
59	MG	CA	2129	1/1	0.75	0.19	-	75,75,75,75	0
59	MG	BM	202	1/1	0.90	0.32	-	81,81,81,81	0
59	MG	DA	3923	1/1	0.96	0.17	-	70,70,70,70	0
59	MG	BA	1815	1/1	0.75	0.22	-	119,119,119,119	0
59	MG	AA	3367	1/1	0.85	0.28	-	49,49,49,49	0
59	MG	AU	205	1/1	0.90	0.18	-	69,69,69,69	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3178	1/1	0.94	0.27	-	49,49,49,49	0
59	MG	BA	1835	1/1	0.90	0.25	-	72,72,72,72	0
59	MG	DA	3647	1/1	-0.04	0.80	-	108,108,108,108	0
59	MG	AA	4022	1/1	0.84	0.17	-	62,62,62,62	0
59	MG	AA	3204	1/1	0.96	0.09	-	68,68,68,68	0
59	MG	CA	2189	1/1	0.96	0.09	-	77,77,77,77	0
59	MG	DA	4805	1/1	0.88	0.33	-	74,74,74,74	0
59	MG	AB	214	1/1	0.77	0.31	-	105,105,105,105	0
59	MG	AA	3485	1/1	0.81	0.36	-	91,91,91,91	0
59	MG	DA	4533	1/1	0.83	0.53	-	88,88,88,88	0
59	MG	DA	3430	1/1	0.94	0.19	-	60,60,60,60	0
59	MG	DA	3157	1/1	0.92	0.40	-	58,58,58,58	0
59	MG	CA	1828	1/1	0.72	0.35	-	100,100,100,100	0
59	MG	DA	4474	1/1	0.74	0.62	-	54,54,54,54	0
59	MG	C1	103	1/1	0.92	0.13	-	64,64,64,64	0
59	MG	BA	2266	1/1	0.90	0.14	-	91,91,91,91	0
59	MG	DA	4844	1/1	0.97	0.12	-	58,58,58,58	0
59	MG	DA	4392	1/1	0.93	0.14	-	52,52,52,52	0
59	MG	DA	3728	1/1	0.86	0.27	-	42,42,42,42	0
59	MG	DA	3107	1/1	0.92	0.17	-	43,43,43,43	0
59	MG	DA	3733	1/1	0.96	0.10	-	40,40,40,40	0
59	MG	CA	1799	1/1	0.64	0.19	-	85,85,85,85	0
59	MG	BA	1968	1/1	0.71	0.50	-	96,96,96,96	0
59	MG	BA	1960	1/1	0.88	0.14	-	68,68,68,68	0
59	MG	CA	2007	1/1	0.85	0.31	-	78,78,78,78	0
59	MG	CA	1602	1/1	0.93	0.16	-	89,89,89,89	0
59	MG	CA	2127	1/1	0.86	0.43	-	88,88,88,88	0
59	MG	CA	2163	1/1	0.95	0.19	-	61,61,61,61	0
59	MG	BE	304	1/1	0.85	0.37	-	85,85,85,85	0
59	MG	DA	4996	1/1	0.88	0.18	-	85,85,85,85	0
59	MG	DA	3081	1/1	0.94	0.34	-	24,24,24,24	0
59	MG	CA	2268	1/1	0.86	0.27	-	86,86,86,86	0
59	MG	AA	3739	1/1	0.79	0.21	-	86,86,86,86	0
59	MG	DA	3803	1/1	0.94	0.14	-	54,54,54,54	0
59	MG	AA	3990	1/1	0.72	0.56	-	134,134,134,134	0
59	MG	CA	2309	1/1	0.87	0.31	-	92,92,92,92	0
59	MG	BA	2125	1/1	0.88	0.11	-	65,65,65,65	0
59	MG	DA	4291	1/1	0.98	0.13	-	58,58,58,58	0
59	MG	DA	3763	1/1	0.96	0.21	-	8,8,8,8	0
59	MG	AA	3831	1/1	0.84	0.13	-	77,77,77,77	0
59	MG	DA	4397	1/1	0.85	0.13	-	56,56,56,56	0
59	MG	BA	2271	1/1	0.95	0.30	-	106,106,106,106	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	1724	1/1	0.99	0.20	-	45,45,45,45	0
59	MG	BA	2261	1/1	0.88	0.07	-	81,81,81,81	0
59	MG	BA	1820	1/1	0.87	0.13	-	84,84,84,84	0
59	MG	AA	3345	1/1	0.91	0.23	-	55,55,55,55	0
59	MG	DA	4828	1/1	0.84	0.29	-	103,103,103,103	0
59	MG	BA	2227	1/1	0.88	0.32	-	72,72,72,72	0
59	MG	DA	4798	1/1	0.84	0.11	-	72,72,72,72	0
59	MG	DA	3465	1/1	0.86	0.38	-	56,56,56,56	0
59	MG	CA	1991	1/1	0.95	0.12	-	76,76,76,76	0
59	MG	DA	4848	1/1	0.91	0.21	-	67,67,67,67	0
59	MG	AA	3605	1/1	0.77	0.12	-	66,66,66,66	0
59	MG	DA	4759	1/1	0.90	0.32	-	91,91,91,91	0
59	MG	AA	3372	1/1	0.94	0.14	-	52,52,52,52	0
59	MG	CA	2062	1/1	0.31	0.28	-	85,85,85,85	0
59	MG	DA	3913	1/1	0.79	0.32	-	120,120,120,120	0
59	MG	DA	4174	1/1	0.91	0.20	-	49,49,49,49	0
59	MG	AA	3900	1/1	0.93	0.32	-	105,105,105,105	0
59	MG	AA	3073	1/1	0.30	0.34	-	71,71,71,71	0
59	MG	DA	4742	1/1	0.76	0.17	-	128,128,128,128	0
59	MG	AA	4148	1/1	0.94	0.28	-	87,87,87,87	0
59	MG	DA	3954	1/1	0.89	0.44	-	52,52,52,52	0
59	MG	DA	3467	1/1	0.95	0.45	-	75,75,75,75	0
59	MG	AA	3572	1/1	0.89	0.14	-	64,64,64,64	0
59	MG	CP	202	1/1	0.90	0.16	-	63,63,63,63	0
59	MG	DA	3779	1/1	0.95	0.35	-	155,155,155,155	0
59	MG	DA	3619	1/1	0.82	0.17	-	59,59,59,59	0
59	MG	CA	2249	1/1	0.93	0.09	-	68,68,68,68	0
59	MG	DA	3031	1/1	0.98	0.23	-	3,3,3,3	0
59	MG	AA	4027	1/1	0.90	0.22	-	72,72,72,72	0
59	MG	BA	1980	1/1	0.90	0.09	-	102,102,102,102	0
59	MG	AA	3590	1/1	0.87	0.10	-	78,78,78,78	0
59	MG	BA	2089	1/1	0.86	0.09	-	56,56,56,56	0
59	MG	BA	2272	1/1	0.87	0.23	-	75,75,75,75	0
59	MG	AA	4122	1/1	0.94	0.07	-	83,83,83,83	0
59	MG	DA	3113	1/1	0.71	0.28	-	73,73,73,73	0
59	MG	DA	4684	1/1	0.95	0.11	-	36,36,36,36	0
59	MG	CA	2254	1/1	0.97	0.18	-	56,56,56,56	0
59	MG	BA	2188	1/1	0.79	0.37	-	102,102,102,102	0
59	MG	CA	1920	1/1	0.70	0.32	-	85,85,85,85	0
59	MG	BA	2028	1/1	0.78	0.26	-	77,77,77,77	0
59	MG	DA	3965	1/1	0.98	0.07	-	78,78,78,78	0
59	MG	DA	4038	1/1	0.90	0.54	-	103,103,103,103	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DO	216	1/1	0.81	0.35	-	58,58,58,58	0
59	MG	BA	2260	1/1	0.95	0.18	-	77,77,77,77	0
59	MG	DA	4816	1/1	0.92	0.22	-	66,66,66,66	0
59	MG	DA	4784	1/1	0.72	0.17	-	74,74,74,74	0
59	MG	BA	2185	1/1	0.94	0.41	-	81,81,81,81	0
59	MG	DA	3755	1/1	0.91	0.09	-	70,70,70,70	0
59	MG	DA	3292	1/1	0.99	0.11	-	48,48,48,48	0
59	MG	DA	3188	1/1	0.88	0.26	-	60,60,60,60	0
59	MG	BA	2108	1/1	0.93	0.22	-	154,154,154,154	0
59	MG	DA	4254	1/1	0.91	0.46	-	83,83,83,83	0
59	MG	AB	233	1/1	0.62	0.22	-	86,86,86,86	0
59	MG	AA	3428	1/1	0.76	0.42	-	101,101,101,101	0
59	MG	AA	3031	1/1	0.95	0.06	-	34,34,34,34	0
59	MG	AA	3587	1/1	0.96	0.12	-	55,55,55,55	0
59	MG	AA	4089	1/1	0.78	0.16	-	107,107,107,107	0
59	MG	DB	272	1/1	0.92	0.13	-	81,81,81,81	0
59	MG	BA	1830	1/1	0.76	0.30	-	90,90,90,90	0
59	MG	DA	3999	1/1	0.97	0.26	-	83,83,83,83	0
59	MG	CA	1764	1/1	0.91	0.08	-	48,48,48,48	0
59	MG	CA	2300	1/1	0.92	0.16	-	119,119,119,119	0
59	MG	BA	2149	1/1	0.51	0.17	-	82,82,82,82	0
59	MG	DA	4788	1/1	0.87	0.10	-	97,97,97,97	0
59	MG	DA	3553	1/1	0.93	0.39	-	89,89,89,89	0
59	MG	DA	3159	1/1	0.95	0.15	-	47,47,47,47	0
59	MG	AA	3332	1/1	0.84	0.10	-	83,83,83,83	0
59	MG	DA	4290	1/1	0.91	0.45	-	74,74,74,74	0
59	MG	BA	1817	1/1	0.61	0.15	-	63,63,63,63	0
59	MG	AA	3145	1/1	0.90	0.25	-	61,61,61,61	0
59	MG	BA	1974	1/1	0.89	0.28	-	109,109,109,109	0
59	MG	D0	208	1/1	0.83	0.24	-	72,72,72,72	0
59	MG	BA	1872	1/1	0.88	0.27	-	103,103,103,103	0
59	MG	BA	1954	1/1	0.95	0.19	-	104,104,104,104	0
59	MG	DA	3360	1/1	0.96	0.28	-	36,36,36,36	0
59	MG	CC	104	1/1	0.93	0.08	-	23,23,23,23	0
59	MG	DA	4859	1/1	0.82	0.22	-	91,91,91,91	0
59	MG	DF	306	1/1	0.95	0.31	-	46,46,46,46	0
59	MG	CA	2069	1/1	0.90	0.09	-	74,74,74,74	0
59	MG	DA	3520	1/1	0.86	0.22	-	95,95,95,95	0
59	MG	CA	1878	1/1	0.87	0.15	-	26,26,26,26	0
59	MG	BA	1875	1/1	0.93	0.08	-	125,125,125,125	0
59	MG	BA	1769	1/1	0.70	0.29	-	87,87,87,87	0
59	MG	DA	4395	1/1	0.98	0.18	-	46,46,46,46	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1737	1/1	0.89	0.27	-	59,59,59,59	0
59	MG	BA	1704	1/1	0.84	0.17	-	67,67,67,67	0
59	MG	D3	104	1/1	0.94	0.19	-	32,32,32,32	0
59	MG	BA	2043	1/1	0.53	0.17	-	109,109,109,109	0
59	MG	BA	2087	1/1	0.83	0.20	-	81,81,81,81	0
59	MG	CA	2090	1/1	0.96	0.12	-	69,69,69,69	0
59	MG	DA	4725	1/1	0.99	0.21	-	56,56,56,56	0
59	MG	DA	4683	1/1	0.90	0.32	-	100,100,100,100	0
59	MG	DA	4879	1/1	0.74	0.53	-	62,62,62,62	0
59	MG	DA	4201	1/1	0.66	0.14	-	57,57,57,57	0
59	MG	AA	3205	1/1	0.88	0.30	-	71,71,71,71	0
59	MG	DA	3613	1/1	0.77	0.31	-	68,68,68,68	0
59	MG	DA	4838	1/1	0.71	0.34	-	67,67,67,67	0
59	MG	DA	4790	1/1	0.96	0.12	-	53,53,53,53	0
59	MG	CA	1672	1/1	0.90	0.27	-	57,57,57,57	0
59	MG	BA	1851	1/1	0.77	0.28	-	142,142,142,142	0
59	MG	CA	1865	1/1	0.87	0.19	-	67,67,67,67	0
59	MG	AA	3471	1/1	0.91	0.17	-	77,77,77,77	0
59	MG	AA	3008	1/1	0.90	0.24	-	31,31,31,31	0
59	MG	AA	3819	1/1	0.55	0.26	-	94,94,94,94	0
59	MG	AA	3029	1/1	0.93	0.20	-	46,46,46,46	0
59	MG	DA	4803	1/1	0.61	0.29	-	82,82,82,82	0
59	MG	DA	5072	1/1	0.91	0.15	-	58,58,58,58	0
59	MG	DA	4455	1/1	0.86	0.21	-	45,45,45,45	0
59	MG	DA	3924	1/1	0.93	0.16	-	48,48,48,48	0
59	MG	DN	202	1/1	0.90	0.12	-	65,65,65,65	0
59	MG	DA	4269	1/1	0.80	0.53	-	72,72,72,72	0
59	MG	BA	1768	1/1	0.86	0.19	-	75,75,75,75	0
59	MG	CA	1732	1/1	0.86	0.17	-	48,48,48,48	0
59	MG	DA	4061	1/1	0.97	0.09	-	54,54,54,54	0
59	MG	DA	3739	1/1	0.83	0.17	-	51,51,51,51	0
59	MG	BA	1848	1/1	0.93	0.10	-	56,56,56,56	0
59	MG	DA	3270	1/1	0.90	0.24	-	90,90,90,90	0
59	MG	BA	1895	1/1	0.96	0.26	-	54,54,54,54	0
59	MG	BA	1762	1/1	0.81	0.29	-	78,78,78,78	0
59	MG	DA	4046	1/1	0.92	0.10	-	52,52,52,52	0
59	MG	DA	5029	1/1	0.97	0.28	-	39,39,39,39	0
59	MG	DA	4559	1/1	0.86	0.26	-	52,52,52,52	0
59	MG	DA	3210	1/1	0.95	0.21	-	32,32,32,32	0
59	MG	AA	3621	1/1	0.96	0.04	-	46,46,46,46	0
59	MG	DA	4352	1/1	0.86	0.30	-	69,69,69,69	0
59	MG	DY	202	1/1	0.69	0.18	-	91,91,91,91	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4540	1/1	0.78	0.24	-	88,88,88,88	0
59	MG	DA	3765	1/1	0.84	0.28	-	61,61,61,61	0
59	MG	DA	3311	1/1	0.86	0.19	-	65,65,65,65	0
59	MG	DA	3315	1/1	0.93	0.26	-	28,28,28,28	0
59	MG	AA	3248	1/1	0.91	0.33	-	78,78,78,78	0
59	MG	DA	4074	1/1	0.96	0.19	-	54,54,54,54	0
59	MG	AA	3853	1/1	0.80	0.15	-	55,55,55,55	0
59	MG	DA	3990	1/1	0.87	0.13	-	31,31,31,31	0
59	MG	DA	5032	1/1	0.73	0.27	-	82,82,82,82	0
59	MG	BA	1966	1/1	0.88	0.16	-	82,82,82,82	0
59	MG	CA	2197	1/1	0.86	0.13	-	107,107,107,107	0
59	MG	CA	1626	1/1	0.93	0.19	-	38,38,38,38	0
59	MG	DA	4553	1/1	0.97	0.20	-	69,69,69,69	0
59	MG	DA	4888	1/1	0.91	0.43	-	76,76,76,76	0
59	MG	DA	4623	1/1	0.92	0.17	-	47,47,47,47	0
59	MG	BA	2084	1/1	0.85	0.29	-	90,90,90,90	0
59	MG	DA	3759	1/1	0.94	0.13	-	84,84,84,84	0
59	MG	AA	3441	1/1	0.69	0.17	-	102,102,102,102	0
59	MG	DA	4445	1/1	0.96	0.18	-	21,21,21,21	0
59	MG	DA	3102	1/1	0.88	0.32	-	61,61,61,61	0
59	MG	DA	4289	1/1	0.94	0.31	-	53,53,53,53	0
59	MG	DA	4565	1/1	0.97	0.24	-	119,119,119,119	0
59	MG	DA	4820	1/1	0.88	0.22	-	56,56,56,56	0
59	MG	AA	4117	1/1	0.97	0.06	-	96,96,96,96	0
59	MG	BA	2116	1/1	0.90	0.06	-	54,54,54,54	0
59	MG	CA	1857	1/1	0.90	0.27	-	105,105,105,105	0
59	MG	AA	4008	1/1	0.96	0.25	-	78,78,78,78	0
59	MG	AA	3061	1/1	0.93	0.21	-	35,35,35,35	0
59	MG	AA	3517	1/1	0.83	0.27	-	69,69,69,69	0
59	MG	AA	3270	1/1	0.88	0.25	-	72,72,72,72	0
59	MG	AA	3895	1/1	0.81	0.09	-	51,51,51,51	0
59	MG	BA	1656	1/1	0.82	0.18	-	57,57,57,57	0
59	MG	DA	3203	1/1	0.93	0.44	-	59,59,59,59	0
59	MG	CA	1692	1/1	0.88	0.11	-	51,51,51,51	0
59	MG	DA	4930	1/1	0.93	0.25	-	73,73,73,73	0
59	MG	AA	3849	1/1	0.93	0.39	-	59,59,59,59	0
59	MG	DA	4835	1/1	0.98	0.11	-	65,65,65,65	0
59	MG	AA	3920	1/1	0.71	0.17	-	85,85,85,85	0
59	MG	CA	1633	1/1	0.86	0.52	-	105,105,105,105	0
59	MG	BA	1701	1/1	0.92	0.13	-	59,59,59,59	0
59	MG	AA	3037	1/1	0.75	0.36	-	107,107,107,107	0
59	MG	DA	4373	1/1	0.93	0.20	-	62,62,62,62	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1729	1/1	0.81	0.38	-	69,69,69,69	0
59	MG	AA	4085	1/1	0.95	0.07	-	60,60,60,60	0
59	MG	DA	4216	1/1	0.97	0.24	-	52,52,52,52	0
59	MG	CA	1926	1/1	0.88	0.12	-	88,88,88,88	0
59	MG	AR	204	1/1	0.84	0.08	-	76,76,76,76	0
59	MG	DA	3125	1/1	0.98	0.49	-	37,37,37,37	0
59	MG	CA	2275	1/1	0.93	0.23	-	42,42,42,42	0
59	MG	BA	2176	1/1	0.76	0.15	-	99,99,99,99	0
59	MG	AA	3944	1/1	0.86	0.14	-	71,71,71,71	0
59	MG	DA	3323	1/1	0.99	0.21	-	41,41,41,41	0
59	MG	DA	5048	1/1	0.96	0.18	-	64,64,64,64	0
59	MG	DA	3665	1/1	0.77	0.19	-	110,110,110,110	0
59	MG	CK	203	1/1	0.86	0.46	-	68,68,68,68	0
59	MG	DA	3955	1/1	0.59	0.37	-	120,120,120,120	0
59	MG	AA	3777	1/1	0.91	0.11	-	58,58,58,58	0
59	MG	AA	3330	1/1	0.78	0.20	-	111,111,111,111	0
59	MG	DA	4883	1/1	0.72	0.35	-	96,96,96,96	0
59	MG	BA	1893	1/1	0.90	0.07	-	54,54,54,54	0
59	MG	CA	1911	1/1	0.89	0.12	-	56,56,56,56	0
59	MG	AA	3848	1/1	0.46	0.23	-	90,90,90,90	0
59	MG	BA	2063	1/1	0.84	0.11	-	65,65,65,65	0
59	MG	BA	2040	1/1	0.67	0.34	-	93,93,93,93	0
59	MG	BA	1884	1/1	0.95	0.46	-	67,67,67,67	0
59	MG	BD	107	1/1	0.74	0.13	-	71,71,71,71	0
59	MG	DA	3888	1/1	0.96	0.09	-	55,55,55,55	0
59	MG	BA	1605	1/1	0.80	0.10	-	56,56,56,56	0
59	MG	DA	4854	1/1	0.89	0.23	-	66,66,66,66	0
59	MG	BA	2097	1/1	0.55	0.31	-	94,94,94,94	0
59	MG	BA	1865	1/1	0.81	0.12	-	75,75,75,75	0
59	MG	BA	1714	1/1	0.88	0.23	-	69,69,69,69	0
59	MG	DA	4272	1/1	0.97	0.28	-	56,56,56,56	0
59	MG	AA	3668	1/1	0.66	0.23	-	71,71,71,71	0
59	MG	DA	3266	1/1	0.83	0.34	-	57,57,57,57	0
59	MG	AA	3340	1/1	0.64	0.15	-	90,90,90,90	0
59	MG	AA	3899	1/1	0.95	0.20	-	46,46,46,46	0
59	MG	DA	3007	1/1	0.99	0.33	-	10,10,10,10	0
59	MG	DA	3580	1/1	0.91	0.31	-	58,58,58,58	0
59	MG	DA	3892	1/1	0.88	0.51	-	46,46,46,46	0
59	MG	AA	3646	1/1	0.95	0.11	-	62,62,62,62	0
59	MG	AA	3535	1/1	0.95	0.56	-	58,58,58,58	0
59	MG	BA	2254	1/1	0.98	0.08	-	53,53,53,53	0
59	MG	DA	4751	1/1	0.91	0.20	-	121,121,121,121	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2233	1/1	0.81	0.23	-	60,60,60,60	0
59	MG	DA	4389	1/1	0.95	0.35	-	60,60,60,60	0
59	MG	AB	212	1/1	0.69	0.11	-	83,83,83,83	0
59	MG	DA	3005	1/1	0.96	0.26	-	17,17,17,17	0
59	MG	DA	3013	1/1	0.77	0.22	-	50,50,50,50	0
59	MG	BA	2244	1/1	0.70	0.41	-	113,113,113,113	0
59	MG	DA	3142	1/1	0.87	0.28	-	73,73,73,73	0
59	MG	AA	3639	1/1	0.91	0.29	-	55,55,55,55	0
59	MG	DA	4067	1/1	0.94	0.09	-	39,39,39,39	0
59	MG	DA	3768	1/1	0.92	0.15	-	77,77,77,77	0
59	MG	A3	103	1/1	0.92	0.12	-	55,55,55,55	0
59	MG	CA	2067	1/1	0.97	0.16	-	89,89,89,89	0
59	MG	DA	4348	1/1	0.95	0.33	-	62,62,62,62	0
59	MG	DA	3824	1/1	0.80	0.37	-	73,73,73,73	0
59	MG	CA	1855	1/1	0.74	0.10	-	79,79,79,79	0
59	MG	DA	4560	1/1	0.93	0.15	-	61,61,61,61	0
59	MG	DA	4634	1/1	0.89	0.44	-	82,82,82,82	0
59	MG	DA	4464	1/1	0.96	0.18	-	51,51,51,51	0
59	MG	CG	312	1/1	0.66	0.29	-	104,104,104,104	0
59	MG	AA	3419	1/1	0.71	0.38	-	82,82,82,82	0
59	MG	AA	3476	1/1	0.87	0.16	-	47,47,47,47	0
59	MG	DA	3617	1/1	0.86	0.31	-	82,82,82,82	0
59	MG	AA	3201	1/1	0.93	0.10	-	71,71,71,71	0
59	MG	AA	3563	1/1	0.74	0.23	-	67,67,67,67	0
59	MG	BA	1694	1/1	0.96	0.25	-	47,47,47,47	0
59	MG	DA	4544	1/1	0.84	0.30	-	76,76,76,76	0
59	MG	BA	2222	1/1	0.91	0.08	-	102,102,102,102	0
59	MG	DA	3248	1/1	0.92	0.46	-	70,70,70,70	0
59	MG	CA	2061	1/1	0.89	0.21	-	50,50,50,50	0
59	MG	AA	3641	1/1	0.96	0.13	-	46,46,46,46	0
59	MG	CA	2227	1/1	0.91	0.45	-	78,78,78,78	0
59	MG	BB	104	1/1	0.93	0.14	-	71,71,71,71	0
59	MG	DA	4735	1/1	0.66	0.37	-	88,88,88,88	0
59	MG	DZ	101	1/1	0.85	0.21	-	87,87,87,87	0
59	MG	CA	1938	1/1	0.86	0.18	-	87,87,87,87	0
59	MG	DA	4433	1/1	0.41	0.17	-	90,90,90,90	0
59	MG	BA	1705	1/1	0.93	0.41	-	52,52,52,52	0
59	MG	DA	4575	1/1	0.77	0.29	-	68,68,68,68	0
59	MG	AA	3490	1/1	0.75	0.15	-	102,102,102,102	0
59	MG	DA	4442	1/1	0.77	0.19	-	49,49,49,49	0
59	MG	AA	3475	1/1	0.90	0.30	-	85,85,85,85	0
59	MG	AA	3825	1/1	0.74	0.29	-	81,81,81,81	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1720	1/1	0.82	0.49	-	95,95,95,95	0
59	MG	DA	4146	1/1	0.96	0.34	-	72,72,72,72	0
59	MG	DA	3285	1/1	0.94	0.40	-	56,56,56,56	0
59	MG	CA	2195	1/1	0.95	0.13	-	76,76,76,76	0
59	MG	AA	3157	1/1	0.93	0.31	-	73,73,73,73	0
59	MG	DA	4586	1/1	0.94	0.24	-	78,78,78,78	0
59	MG	DA	5076	1/1	0.78	0.33	-	85,85,85,85	0
59	MG	DA	3401	1/1	0.90	0.33	-	45,45,45,45	0
59	MG	AA	3589	1/1	0.97	0.28	-	139,139,139,139	0
59	MG	AA	3801	1/1	0.91	0.09	-	90,90,90,90	0
59	MG	DA	4241	1/1	0.88	0.21	-	55,55,55,55	0
59	MG	DB	269	1/1	0.56	0.43	-	91,91,91,91	0
59	MG	BA	1647	1/1	0.82	0.21	-	78,78,78,78	0
59	MG	DA	4194	1/1	0.98	0.14	-	37,37,37,37	0
59	MG	AA	4115	1/1	0.89	0.28	-	73,73,73,73	0
59	MG	AA	3429	1/1	0.94	0.14	-	60,60,60,60	0
59	MG	DA	4942	1/1	0.90	0.09	-	82,82,82,82	0
59	MG	DA	3599	1/1	0.97	0.17	-	6,6,6,6	0
59	MG	AA	3092	1/1	0.97	0.18	-	16,16,16,16	0
59	MG	CA	1693	1/1	0.86	0.21	-	60,60,60,60	0
59	MG	CB	105	1/1	0.72	0.31	-	76,76,76,76	0
59	MG	DA	4664	1/1	0.95	0.14	-	66,66,66,66	0
59	MG	DA	3658	1/1	0.71	0.26	-	60,60,60,60	0
59	MG	AA	3935	1/1	0.85	0.14	-	55,55,55,55	0
59	MG	DA	3080	1/1	0.98	0.37	-	31,31,31,31	0
59	MG	AA	3524	1/1	0.86	0.14	-	50,50,50,50	0
59	MG	DA	3479	1/1	0.93	0.29	-	74,74,74,74	0
59	MG	DA	4214	1/1	0.92	0.18	-	50,50,50,50	0
59	MG	CA	2261	1/1	0.94	0.13	-	66,66,66,66	0
59	MG	CA	1994	1/1	0.61	0.30	-	94,94,94,94	0
59	MG	AA	4147	1/1	0.88	0.22	-	66,66,66,66	0
59	MG	AA	3592	1/1	0.92	0.16	-	63,63,63,63	0
59	MG	AA	3203	1/1	0.98	0.12	-	40,40,40,40	0
59	MG	DA	3456	1/1	0.89	0.24	-	60,60,60,60	0
59	MG	BA	1659	1/1	0.75	0.11	-	71,71,71,71	0
59	MG	DA	4208	1/1	0.81	0.35	-	74,74,74,74	0
59	MG	DA	3345	1/1	0.81	0.42	-	80,80,80,80	0
59	MG	AA	3915	1/1	0.73	0.32	-	105,105,105,105	0
59	MG	DA	4252	1/1	0.84	0.20	-	60,60,60,60	0
59	MG	AA	4069	1/1	0.90	0.21	-	80,80,80,80	0
59	MG	AA	3837	1/1	0.78	0.28	-	116,116,116,116	0
59	MG	DA	3390	1/1	0.90	0.17	-	83,83,83,83	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3286	1/1	0.95	0.42	-	54,54,54,54	0
59	MG	DA	3383	1/1	0.96	0.11	-	49,49,49,49	0
59	MG	BA	1610	1/1	0.96	0.10	-	25,25,25,25	0
59	MG	DA	3770	1/1	0.80	0.41	-	88,88,88,88	0
59	MG	AA	3886	1/1	0.84	0.38	-	103,103,103,103	0
59	MG	CA	1974	1/1	0.90	0.08	-	55,55,55,55	0
59	MG	CA	2294	1/1	0.94	0.14	-	80,80,80,80	0
59	MG	AA	3104	1/1	0.95	0.29	-	54,54,54,54	0
59	MG	CA	1671	1/1	0.99	0.32	-	24,24,24,24	0
59	MG	CA	1780	1/1	0.84	0.28	-	56,56,56,56	0
59	MG	AA	3172	1/1	0.90	0.21	-	67,67,67,67	0
59	MG	CA	1611	1/1	0.89	0.12	-	39,39,39,39	0
59	MG	AA	3790	1/1	0.97	0.55	-	60,60,60,60	0
59	MG	DA	3370	1/1	0.70	0.28	-	73,73,73,73	0
59	MG	DA	4691	1/1	0.82	0.14	-	114,114,114,114	0
59	MG	DA	4221	1/1	0.91	0.19	-	49,49,49,49	0
59	MG	AA	4056	1/1	0.82	0.10	-	74,74,74,74	0
59	MG	CA	1936	1/1	0.96	0.11	-	55,55,55,55	0
59	MG	BE	302	1/1	0.98	0.09	-	59,59,59,59	0
59	MG	BA	1862	1/1	0.84	0.12	-	77,77,77,77	0
59	MG	DA	3631	1/1	0.77	0.21	-	60,60,60,60	0
59	MG	AA	3450	1/1	0.97	0.18	-	59,59,59,59	0
59	MG	BA	2013	1/1	0.88	0.10	-	67,67,67,67	0
59	MG	BA	1687	1/1	0.95	0.06	-	41,41,41,41	0
59	MG	CA	1842	1/1	0.90	0.13	-	78,78,78,78	0
59	MG	CA	1893	1/1	0.72	0.12	-	54,54,54,54	0
59	MG	DA	3126	1/1	0.96	0.28	-	63,63,63,63	0
59	MG	DA	3127	1/1	0.96	0.15	-	32,32,32,32	0
59	MG	DA	4246	1/1	0.86	0.19	-	64,64,64,64	0
59	MG	CA	1945	1/1	0.95	0.14	-	78,78,78,78	0
59	MG	AA	4088	1/1	0.88	0.13	-	97,97,97,97	0
59	MG	DA	4306	1/1	0.95	0.23	-	45,45,45,45	0
59	MG	DA	4959	1/1	0.99	0.15	-	45,45,45,45	0
59	MG	DA	3161	1/1	0.86	0.31	-	55,55,55,55	0
59	MG	CA	1987	1/1	0.84	0.23	-	73,73,73,73	0
59	MG	BS	108	1/1	0.96	0.10	-	91,91,91,91	0
59	MG	DA	4894	1/1	0.91	0.21	-	63,63,63,63	0
59	MG	DA	3038	1/1	0.97	0.14	-	13,13,13,13	0
59	MG	DA	3218	1/1	0.89	0.33	-	47,47,47,47	0
59	MG	DA	3071	1/1	0.98	0.21	-	13,13,13,13	0
59	MG	DA	4277	1/1	0.73	0.34	-	66,66,66,66	0
59	MG	BA	1622	1/1	0.93	0.08	-	64,64,64,64	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3446	1/1	0.90	0.36	-	90,90,90,90	0
59	MG	DA	3318	1/1	0.93	0.14	-	72,72,72,72	0
59	MG	DA	3901	1/1	0.86	0.22	-	30,30,30,30	0
59	MG	BA	1978	1/1	0.87	0.31	-	73,73,73,73	0
59	MG	D1	209	1/1	0.94	0.27	-	65,65,65,65	0
59	MG	AA	3991	1/1	0.91	0.22	-	73,73,73,73	0
59	MG	DA	3854	1/1	0.72	0.14	-	72,72,72,72	0
59	MG	CA	1931	1/1	0.94	0.23	-	64,64,64,64	0
59	MG	CA	2029	1/1	0.96	0.22	-	115,115,115,115	0
59	MG	DA	3787	1/1	0.92	0.13	-	114,114,114,114	0
59	MG	AA	3632	1/1	0.86	0.22	-	43,43,43,43	0
59	MG	AA	3305	1/1	0.59	0.18	-	47,47,47,47	0
59	MG	AA	3489	1/1	0.99	0.30	-	63,63,63,63	0
59	MG	AA	3279	1/1	0.94	0.17	-	45,45,45,45	0
59	MG	AA	3818	1/1	0.88	0.34	-	80,80,80,80	0
59	MG	BA	1883	1/1	0.95	0.42	-	64,64,64,64	0
59	MG	CA	1998	1/1	0.97	0.11	-	90,90,90,90	0
59	MG	DA	4476	1/1	0.93	0.11	-	64,64,64,64	0
59	MG	DA	3463	1/1	0.91	0.38	-	61,61,61,61	0
59	MG	DA	3420	1/1	0.99	0.32	-	51,51,51,51	0
59	MG	AA	3936	1/1	0.83	0.24	-	83,83,83,83	0
59	MG	DA	4836	1/1	0.92	0.13	-	41,41,41,41	0
59	MG	CA	2019	1/1	0.48	0.24	-	68,68,68,68	0
59	MG	CC	103	1/1	0.88	0.12	-	39,39,39,39	0
59	MG	DA	4914	1/1	0.91	0.21	-	44,44,44,44	0
59	MG	DA	3175	1/1	0.95	0.20	-	21,21,21,21	0
59	MG	CA	1634	1/1	0.74	0.23	-	91,91,91,91	0
59	MG	AB	221	1/1	0.83	0.17	-	61,61,61,61	0
59	MG	CA	1652	1/1	0.92	0.29	-	39,39,39,39	0
59	MG	CA	2209	1/1	0.82	0.17	-	68,68,68,68	0
59	MG	DA	4822	1/1	0.96	0.09	-	39,39,39,39	0
59	MG	DA	3099	1/1	0.95	0.28	-	48,48,48,48	0
59	MG	DA	3500	1/1	0.92	0.11	-	57,57,57,57	0
59	MG	DA	3635	1/1	0.94	0.19	-	33,33,33,33	0
59	MG	AA	3229	1/1	0.88	0.19	-	56,56,56,56	0
59	MG	BA	2213	1/1	0.54	0.47	-	114,114,114,114	0
59	MG	DA	3025	1/1	0.89	0.18	-	44,44,44,44	0
59	MG	DA	3494	1/1	0.78	0.27	-	59,59,59,59	0
59	MG	DA	5017	1/1	0.90	0.19	-	55,55,55,55	0
59	MG	DA	4113	1/1	0.96	0.07	-	45,45,45,45	0
59	MG	DA	3608	1/1	0.94	0.27	-	60,60,60,60	0
59	MG	AA	3433	1/1	0.68	0.24	-	64,64,64,64	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1747	1/1	0.99	0.18	-	50,50,50,50	0
59	MG	CA	1873	1/1	0.89	0.08	-	51,51,51,51	0
59	MG	DA	5073	1/1	0.93	0.47	-	127,127,127,127	0
59	MG	AA	3196	1/1	0.96	0.15	-	29,29,29,29	0
59	MG	BP	201	1/1	0.94	0.12	-	61,61,61,61	0
59	MG	CA	2250	1/1	0.59	0.27	-	88,88,88,88	0
59	MG	CT	201	1/1	0.64	0.23	-	99,99,99,99	0
59	MG	DA	3609	1/1	0.96	0.13	-	76,76,76,76	0
59	MG	DA	3205	1/1	0.70	0.30	-	65,65,65,65	0
59	MG	AA	3570	1/1	0.61	0.22	-	78,78,78,78	0
59	MG	CA	2178	1/1	0.79	0.13	-	92,92,92,92	0
59	MG	DA	3935	1/1	0.96	0.21	-	75,75,75,75	0
59	MG	DA	3751	1/1	0.86	0.17	-	97,97,97,97	0
59	MG	CA	1778	1/1	0.89	0.39	-	69,69,69,69	0
59	MG	DA	4973	1/1	0.54	0.51	-	115,115,115,115	0
59	MG	AA	3275	1/1	0.97	0.21	-	58,58,58,58	0
59	MG	DA	3890	1/1	0.88	0.47	-	86,86,86,86	0
59	MG	BA	2216	1/1	0.80	0.36	-	91,91,91,91	0
59	MG	CA	2110	1/1	0.96	0.10	-	62,62,62,62	0
59	MG	DA	3187	1/1	0.91	0.23	-	45,45,45,45	0
59	MG	CD	127	1/1	0.84	0.55	-	101,101,101,101	0
59	MG	BD	118	1/1	0.90	0.24	-	107,107,107,107	0
59	MG	DA	4714	1/1	0.98	0.17	-	87,87,87,87	0
59	MG	DA	4213	1/1	0.98	0.24	-	49,49,49,49	0
59	MG	DA	3818	1/1	0.94	0.11	-	71,71,71,71	0
59	MG	CA	2130	1/1	0.92	0.23	-	117,117,117,117	0
59	MG	BA	2135	1/1	0.92	0.23	-	77,77,77,77	0
59	MG	DA	4870	1/1	0.90	0.16	-	82,82,82,82	0
59	MG	AA	3007	1/1	0.97	0.22	-	24,24,24,24	0
59	MG	AA	3116	1/1	0.71	0.44	-	85,85,85,85	0
59	MG	AA	3023	1/1	0.93	0.21	-	59,59,59,59	0
59	MG	DA	4230	1/1	0.72	0.31	-	41,41,41,41	0
59	MG	DA	3294	1/1	0.90	0.16	-	28,28,28,28	0
59	MG	DA	3152	1/1	0.89	0.24	-	52,52,52,52	0
59	MG	AA	3628	1/1	0.86	0.35	-	62,62,62,62	0
59	MG	BB	102	1/1	0.92	0.08	-	55,55,55,55	0
59	MG	DA	3505	1/1	0.98	0.35	-	51,51,51,51	0
59	MG	AA	3309	1/1	0.83	0.14	-	54,54,54,54	0
59	MG	DA	4430	1/1	0.84	0.18	-	83,83,83,83	0
59	MG	CA	1965	1/1	0.91	0.05	-	81,81,81,81	0
59	MG	AA	4010	1/1	0.97	0.11	-	74,74,74,74	0
59	MG	DA	4030	1/1	0.96	0.26	-	84,84,84,84	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	1643	1/1	0.94	0.37	-	53,53,53,53	0
59	MG	BA	1639	1/1	0.69	0.27	-	72,72,72,72	0
59	MG	BA	1881	1/1	0.95	0.24	-	46,46,46,46	0
59	MG	BA	1798	1/1	0.42	0.34	-	93,93,93,93	0
59	MG	DA	3090	1/1	0.94	0.15	-	13,13,13,13	0
59	MG	BA	1899	1/1	0.58	0.14	-	57,57,57,57	0
59	MG	DA	4874	1/1	0.79	0.45	-	84,84,84,84	0
59	MG	AA	3426	1/1	0.86	0.10	-	64,64,64,64	0
59	MG	DA	4222	1/1	0.84	0.29	-	54,54,54,54	0
59	MG	CD	118	1/1	0.63	0.50	-	97,97,97,97	0
59	MG	BA	1915	1/1	0.70	0.33	-	69,69,69,69	0
59	MG	AA	3926	1/1	0.99	0.11	-	52,52,52,52	0
59	MG	DA	3234	1/1	0.94	0.24	-	17,17,17,17	0
59	MG	CA	2187	1/1	0.85	0.42	-	80,80,80,80	0
59	MG	DA	3313	1/1	0.94	0.26	-	48,48,48,48	0
59	MG	DA	4732	1/1	0.89	0.11	-	71,71,71,71	0
59	MG	DA	4956	1/1	0.76	0.43	-	118,118,118,118	0
59	MG	DA	3685	1/1	0.91	0.22	-	59,59,59,59	0
59	MG	DA	3680	1/1	0.92	0.23	-	76,76,76,76	0
59	MG	DA	4086	1/1	0.94	0.23	-	98,98,98,98	0
59	MG	CA	1786	1/1	0.94	0.21	-	93,93,93,93	0
59	MG	AA	3303	1/1	0.55	0.24	-	94,94,94,94	0
59	MG	CA	1745	1/1	0.86	0.25	-	56,56,56,56	0
59	MG	DA	4637	1/1	0.89	0.24	-	80,80,80,80	0
59	MG	DA	3393	1/1	0.90	0.45	-	88,88,88,88	0
59	MG	AA	3870	1/1	0.76	0.11	-	69,69,69,69	0
59	MG	DA	3412	1/1	0.81	0.29	-	68,68,68,68	0
59	MG	DA	4054	1/1	0.88	0.62	-	108,108,108,108	0
59	MG	AA	3809	1/1	0.92	0.15	-	84,84,84,84	0
59	MG	AA	3520	1/1	0.97	0.15	-	75,75,75,75	0
59	MG	DA	4356	1/1	0.94	0.44	-	76,76,76,76	0
59	MG	CA	2190	1/1	0.86	0.13	-	62,62,62,62	0
59	MG	BG	302	1/1	0.74	0.13	-	63,63,63,63	0
59	MG	DA	3091	1/1	0.96	0.18	-	31,31,31,31	0
59	MG	AA	3808	1/1	0.89	0.17	-	75,75,75,75	0
59	MG	CA	1727	1/1	0.92	0.23	-	56,56,56,56	0
59	MG	BK	201	1/1	0.79	0.34	-	96,96,96,96	0
59	MG	BA	2055	1/1	0.92	0.08	-	89,89,89,89	0
59	MG	DB	203	1/1	0.92	0.33	-	46,46,46,46	0
59	MG	DA	3227	1/1	0.94	0.44	-	52,52,52,52	0
59	MG	BA	2054	1/1	0.93	0.19	-	68,68,68,68	0
59	MG	DA	4467	1/1	0.95	0.19	-	50,50,50,50	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2207	1/1	0.87	0.42	-	103,103,103,103	0
59	MG	DA	3461	1/1	0.96	0.11	-	34,34,34,34	0
59	MG	AA	3190	1/1	0.99	0.21	-	26,26,26,26	0
59	MG	DA	4933	1/1	0.66	0.32	-	64,64,64,64	0
59	MG	AF	305	1/1	0.86	0.27	-	89,89,89,89	0
59	MG	AA	3497	1/1	0.80	0.26	-	80,80,80,80	0
59	MG	DA	4136	1/1	0.59	0.29	-	47,47,47,47	0
59	MG	AA	3338	1/1	0.71	0.16	-	72,72,72,72	0
59	MG	BA	1767	1/1	0.88	0.16	-	50,50,50,50	0
59	MG	AA	3280	1/1	0.92	0.26	-	56,56,56,56	0
59	MG	CA	2037	1/1	0.89	0.32	-	75,75,75,75	0
59	MG	DA	4763	1/1	0.93	0.45	-	51,51,51,51	0
59	MG	DA	3996	1/1	0.96	0.10	-	63,63,63,63	0
59	MG	DA	3964	1/1	0.97	0.11	-	68,68,68,68	0
59	MG	BA	2012	1/1	0.90	0.41	-	72,72,72,72	0
59	MG	AA	3993	1/1	0.82	0.14	-	91,91,91,91	0
59	MG	CA	2122	1/1	0.45	0.26	-	123,123,123,123	0
59	MG	BA	1912	1/1	0.78	0.30	-	82,82,82,82	0
59	MG	DA	4128	1/1	0.68	0.34	-	85,85,85,85	0
59	MG	DA	3464	1/1	0.91	0.28	-	53,53,53,53	0
59	MG	CA	2318	1/1	0.65	0.18	-	112,112,112,112	0
59	MG	DA	4367	1/1	0.82	0.19	-	65,65,65,65	0
59	MG	CA	1658	1/1	0.68	0.21	-	48,48,48,48	0
59	MG	DA	4461	1/1	0.69	0.36	-	88,88,88,88	0
59	MG	DH	205	1/1	0.80	0.16	-	77,77,77,77	0
59	MG	DA	4864	1/1	0.84	0.27	-	93,93,93,93	0
59	MG	AA	3805	1/1	0.80	0.33	-	94,94,94,94	0
59	MG	CA	2291	1/1	0.74	0.16	-	80,80,80,80	0
59	MG	DA	4872	1/1	0.73	0.58	-	106,106,106,106	0
59	MG	CS	102	1/1	0.94	0.15	-	65,65,65,65	0
59	MG	BA	2166	1/1	0.86	0.12	-	96,96,96,96	0
59	MG	DA	4893	1/1	0.91	0.21	-	99,99,99,99	0
59	MG	DA	3017	1/1	0.98	0.22	-	7,7,7,7	0
59	MG	DA	4932	1/1	0.95	0.21	-	69,69,69,69	0
59	MG	DB	234	1/1	0.85	0.20	-	64,64,64,64	0
59	MG	BC	112	1/1	0.75	0.16	-	57,57,57,57	0
59	MG	BA	1661	1/1	0.87	0.13	-	83,83,83,83	0
59	MG	B1	102	1/1	0.82	0.10	-	72,72,72,72	0
59	MG	DA	4338	1/1	0.64	0.46	-	80,80,80,80	0
59	MG	DA	4308	1/1	0.96	0.17	-	71,71,71,71	0
59	MG	CD	114	1/1	0.96	0.28	-	79,79,79,79	0
59	MG	DA	5002	1/1	0.86	0.17	-	89,89,89,89	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BD	120	1/1	0.89	0.46	-	90,90,90,90	0
59	MG	AA	3020	1/1	0.97	0.19	-	27,27,27,27	0
59	MG	DA	4324	1/1	0.95	0.13	-	49,49,49,49	0
59	MG	DA	4952	1/1	0.57	0.39	-	86,86,86,86	0
59	MG	DA	3811	1/1	0.91	0.15	-	101,101,101,101	0
59	MG	BA	1937	1/1	0.77	0.38	-	71,71,71,71	0
59	MG	DA	4513	1/1	0.86	0.16	-	75,75,75,75	0
59	MG	CA	2128	1/1	0.92	0.39	-	101,101,101,101	0
59	MG	AA	3423	1/1	0.45	0.48	-	99,99,99,99	0
59	MG	BA	2191	1/1	0.79	0.13	-	73,73,73,73	0
59	MG	DA	4118	1/1	0.92	0.14	-	96,96,96,96	0
59	MG	CA	2174	1/1	0.95	0.14	-	100,100,100,100	0
59	MG	AA	3603	1/1	0.91	0.08	-	80,80,80,80	0
59	MG	DA	4081	1/1	0.90	0.15	-	67,67,67,67	0
59	MG	AA	4099	1/1	0.66	0.30	-	96,96,96,96	0
59	MG	DA	3391	1/1	0.93	0.42	-	84,84,84,84	0
59	MG	BA	2256	1/1	0.86	0.27	-	76,76,76,76	0
59	MG	DA	4211	1/1	0.89	0.20	-	47,47,47,47	0
59	MG	DR	203	1/1	0.95	0.20	-	84,84,84,84	0
59	MG	AB	222	1/1	0.92	0.12	-	85,85,85,85	0
59	MG	DA	3192	1/1	0.93	0.26	-	95,95,95,95	0
59	MG	DA	3506	1/1	0.96	0.15	-	46,46,46,46	0
59	MG	DE	314	1/1	0.88	0.69	-	67,67,67,67	0
59	MG	DA	4896	1/1	0.82	0.20	-	74,74,74,74	0
59	MG	BA	2156	1/1	0.93	0.11	-	90,90,90,90	0
59	MG	DA	4096	1/1	0.94	0.38	-	73,73,73,73	0
59	MG	DA	4611	1/1	0.85	0.20	-	82,82,82,82	0
59	MG	DA	4070	1/1	0.93	0.22	-	45,45,45,45	0
59	MG	DA	3638	1/1	0.96	0.16	-	78,78,78,78	0
59	MG	DA	4941	1/1	0.94	0.51	-	88,88,88,88	0
59	MG	DA	4651	1/1	0.97	0.09	-	66,66,66,66	0
59	MG	DA	4895	1/1	0.90	0.21	-	77,77,77,77	0
59	MG	DA	4129	1/1	0.40	0.09	-	109,109,109,109	0
59	MG	DA	4554	1/1	0.92	0.33	-	81,81,81,81	0
59	MG	DA	4168	1/1	0.87	0.14	-	33,33,33,33	0
59	MG	AA	3373	1/1	0.94	0.15	-	48,48,48,48	0
59	MG	DB	275	1/1	0.91	0.15	-	50,50,50,50	0
59	MG	CA	2086	1/1	0.89	0.22	-	83,83,83,83	0
59	MG	AA	3310	1/1	0.95	0.19	-	47,47,47,47	0
59	MG	DA	3622	1/1	0.70	0.28	-	69,69,69,69	0
59	MG	DA	4297	1/1	0.75	0.37	-	100,100,100,100	0
59	MG	AA	3627	1/1	0.94	0.28	-	37,37,37,37	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2103	1/1	0.94	0.13	-	80,80,80,80	0
59	MG	AA	3406	1/1	0.89	0.24	-	32,32,32,32	0
59	MG	AA	3370	1/1	0.97	0.29	-	64,64,64,64	0
59	MG	DA	3392	1/1	0.76	0.26	-	76,76,76,76	0
59	MG	DA	4713	1/1	0.82	0.32	-	75,75,75,75	0
59	MG	DB	262	1/1	0.98	0.45	-	89,89,89,89	0
59	MG	DB	222	1/1	0.89	0.30	-	43,43,43,43	0
59	MG	DA	4378	1/1	0.88	0.18	-	48,48,48,48	0
59	MG	AA	3690	1/1	0.87	0.20	-	64,64,64,64	0
59	MG	AA	3903	1/1	0.50	0.19	-	95,95,95,95	0
59	MG	BA	2143	1/1	0.91	0.12	-	138,138,138,138	0
59	MG	DZ	102	1/1	0.96	0.24	-	49,49,49,49	0
59	MG	DA	3216	1/1	0.95	0.37	-	54,54,54,54	0
59	MG	DA	3173	1/1	0.90	0.18	-	36,36,36,36	0
59	MG	AA	3705	1/1	0.71	0.28	-	87,87,87,87	0
59	MG	AA	3928	1/1	0.81	0.14	-	71,71,71,71	0
59	MG	DA	3322	1/1	0.86	0.14	-	36,36,36,36	0
59	MG	BA	2014	1/1	0.75	0.14	-	64,64,64,64	0
59	MG	AA	3532	1/1	0.91	0.31	-	87,87,87,87	0
59	MG	AA	3696	1/1	0.99	0.15	-	47,47,47,47	0
59	MG	CA	1871	1/1	0.95	0.14	-	98,98,98,98	0
59	MG	BA	1828	1/1	0.41	0.46	-	114,114,114,114	0
59	MG	DA	3452	1/1	0.82	0.29	-	68,68,68,68	0
59	MG	DA	4674	1/1	0.95	0.30	-	93,93,93,93	0
59	MG	AA	3943	1/1	0.78	0.20	-	65,65,65,65	0
59	MG	DA	4228	1/1	0.96	0.15	-	50,50,50,50	0
59	MG	CA	2259	1/1	0.81	0.20	-	67,67,67,67	0
59	MG	AA	4140	1/1	0.76	0.19	-	74,74,74,74	0
59	MG	DA	4794	1/1	0.87	0.35	-	86,86,86,86	0
59	MG	DA	3309	1/1	0.82	0.28	-	56,56,56,56	0
59	MG	DA	3870	1/1	0.79	0.33	-	67,67,67,67	0
59	MG	DA	3747	1/1	0.82	0.12	-	75,75,75,75	0
59	MG	BA	1850	1/1	0.94	0.13	-	90,90,90,90	0
59	MG	DA	4616	1/1	0.91	0.37	-	72,72,72,72	0
59	MG	DA	4532	1/1	0.87	0.44	-	45,45,45,45	0
59	MG	DA	3064	1/1	0.92	0.15	-	35,35,35,35	0
59	MG	DB	256	1/1	0.93	0.15	-	65,65,65,65	0
59	MG	CA	2172	1/1	0.86	0.29	-	95,95,95,95	0
59	MG	DA	3837	1/1	0.95	0.28	-	61,61,61,61	0
59	MG	CA	2153	1/1	0.93	0.12	-	76,76,76,76	0
59	MG	DA	4777	1/1	0.92	0.24	-	96,96,96,96	0
59	MG	AA	4011	1/1	0.83	0.30	-	122,122,122,122	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3799	1/1	0.79	0.37	-	93,93,93,93	0
59	MG	CA	1792	1/1	0.76	0.07	-	58,58,58,58	0
59	MG	CA	1977	1/1	0.92	0.14	-	64,64,64,64	0
59	MG	CB	108	1/1	0.61	0.19	-	87,87,87,87	0
59	MG	BA	2238	1/1	0.81	0.14	-	95,95,95,95	0
59	MG	DA	3820	1/1	0.83	0.11	-	97,97,97,97	0
59	MG	DA	4121	1/1	0.76	0.15	-	77,77,77,77	0
59	MG	CA	1940	1/1	0.84	0.26	-	67,67,67,67	0
59	MG	AA	3304	1/1	0.95	0.14	-	36,36,36,36	0
59	MG	DA	4259	1/1	0.94	0.18	-	54,54,54,54	0
59	MG	BA	1943	1/1	0.84	0.14	-	72,72,72,72	0
59	MG	AA	3192	1/1	0.93	0.11	-	39,39,39,39	0
59	MG	DA	5014	1/1	0.81	0.29	-	64,64,64,64	0
59	MG	DA	4612	1/1	0.80	0.45	-	79,79,79,79	0
59	MG	AA	3657	1/1	0.52	0.36	-	89,89,89,89	0
59	MG	DA	3327	1/1	0.92	0.16	-	48,48,48,48	0
59	MG	DA	4609	1/1	0.96	0.14	-	48,48,48,48	0
59	MG	DU	208	1/1	0.86	0.21	-	52,52,52,52	0
59	MG	DA	4008	1/1	0.92	0.17	-	49,49,49,49	0
59	MG	BA	1911	1/1	0.91	0.41	-	76,76,76,76	0
59	MG	DA	4644	1/1	0.89	0.12	-	64,64,64,64	0
59	MG	DA	3569	1/1	0.93	0.20	-	21,21,21,21	0
59	MG	DA	4602	1/1	0.94	0.34	-	71,71,71,71	0
59	MG	DA	4362	1/1	0.86	0.44	-	74,74,74,74	0
59	MG	DA	3344	1/1	0.78	0.62	-	90,90,90,90	0
59	MG	DA	4109	1/1	0.97	0.24	-	61,61,61,61	0
59	MG	BC	110	1/1	0.93	0.14	-	56,56,56,56	0
59	MG	CA	2225	1/1	0.94	0.12	-	70,70,70,70	0
59	MG	AA	3770	1/1	0.88	0.11	-	70,70,70,70	0
59	MG	AA	3278	1/1	0.90	0.28	-	59,59,59,59	0
59	MG	CA	1808	1/1	0.92	0.19	-	148,148,148,148	0
59	MG	AA	3550	1/1	0.92	0.22	-	82,82,82,82	0
59	MG	AA	3607	1/1	0.94	0.09	-	94,94,94,94	0
59	MG	AA	3548	1/1	0.79	0.29	-	59,59,59,59	0
59	MG	DA	3813	1/1	0.74	0.14	-	96,96,96,96	0
59	MG	CA	1821	1/1	0.90	0.07	-	51,51,51,51	0
59	MG	AA	4052	1/1	0.86	0.11	-	73,73,73,73	0
59	MG	AA	3294	1/1	0.87	0.13	-	64,64,64,64	0
59	MG	CA	2242	1/1	0.89	0.16	-	84,84,84,84	0
59	MG	BA	1934	1/1	0.87	0.54	-	84,84,84,84	0
59	MG	AA	3758	1/1	0.91	0.20	-	65,65,65,65	0
59	MG	AA	3187	1/1	0.76	0.25	-	68,68,68,68	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4629	1/1	0.83	0.26	-	107,107,107,107	0
59	MG	CA	2299	1/1	0.96	0.19	-	111,111,111,111	0
59	MG	AA	3266	1/1	0.86	0.19	-	73,73,73,73	0
59	MG	DA	3673	1/1	0.89	0.12	-	61,61,61,61	0
59	MG	AA	3720	1/1	0.98	0.54	-	52,52,52,52	0
59	MG	DA	4760	1/1	0.88	0.23	-	55,55,55,55	0
59	MG	AA	3752	1/1	0.85	0.22	-	71,71,71,71	0
59	MG	DA	3646	1/1	0.84	0.27	-	53,53,53,53	0
59	MG	A3	102	1/1	0.92	0.18	-	83,83,83,83	0
59	MG	BA	1842	1/1	0.98	0.06	-	92,92,92,92	0
59	MG	DA	3193	1/1	0.87	0.15	-	71,71,71,71	0
59	MG	BA	1864	1/1	0.88	0.09	-	95,95,95,95	0
59	MG	BG	304	1/1	0.90	0.40	-	79,79,79,79	0
59	MG	AA	3119	1/1	0.92	0.12	-	46,46,46,46	0
59	MG	AA	3750	1/1	0.86	0.10	-	66,66,66,66	0
59	MG	BA	1832	1/1	0.68	0.21	-	89,89,89,89	0
59	MG	CA	2023	1/1	0.79	0.36	-	79,79,79,79	0
59	MG	CQ	104	1/1	0.88	0.08	-	56,56,56,56	0
59	MG	CA	1705	1/1	0.93	0.30	-	54,54,54,54	0
59	MG	BA	1672	1/1	0.95	0.29	-	39,39,39,39	0
59	MG	DA	4922	1/1	0.91	0.32	-	99,99,99,99	0
59	MG	DA	4976	1/1	0.80	0.68	-	98,98,98,98	0
59	MG	AA	3166	1/1	0.94	0.11	-	65,65,65,65	0
59	MG	DA	4244	1/1	0.79	0.13	-	44,44,44,44	0
59	MG	AA	3996	1/1	0.96	0.13	-	49,49,49,49	0
59	MG	CA	1972	1/1	0.88	0.30	-	68,68,68,68	0
59	MG	BB	107	1/1	0.87	0.20	-	83,83,83,83	0
59	MG	AA	3198	1/1	0.85	0.20	-	34,34,34,34	0
59	MG	DA	3473	1/1	0.80	0.19	-	44,44,44,44	0
59	MG	AA	3050	1/1	0.91	0.20	-	59,59,59,59	0
59	MG	DA	3790	1/1	0.77	0.27	-	66,66,66,66	0
59	MG	AA	3811	1/1	0.94	0.11	-	58,58,58,58	0
59	MG	DA	3758	1/1	0.88	0.24	-	100,100,100,100	0
59	MG	DA	3314	1/1	0.71	0.13	-	83,83,83,83	0
59	MG	BA	1822	1/1	0.82	0.09	-	97,97,97,97	0
59	MG	DA	3199	1/1	0.94	0.31	-	29,29,29,29	0
59	MG	AA	3254	1/1	0.66	0.13	-	76,76,76,76	0
59	MG	AA	3086	1/1	0.95	0.23	-	35,35,35,35	0
59	MG	CA	1612	1/1	0.89	0.17	-	57,57,57,57	0
59	MG	DA	3850	1/1	0.91	0.26	-	51,51,51,51	0
59	MG	DU	215	1/1	0.72	0.44	-	76,76,76,76	0
59	MG	DA	4417	1/1	0.70	0.30	-	64,64,64,64	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3568	1/1	0.92	0.20	-	41,41,41,41	0
59	MG	DA	4768	1/1	0.98	0.13	-	64,64,64,64	0
59	MG	CA	2116	1/1	0.88	0.14	-	79,79,79,79	0
59	MG	DA	3829	1/1	0.83	0.12	-	66,66,66,66	0
59	MG	DB	241	1/1	0.94	0.17	-	66,66,66,66	0
59	MG	DA	3948	1/1	0.83	0.16	-	127,127,127,127	0
59	MG	DA	5070	1/1	0.89	0.16	-	51,51,51,51	0
59	MG	AA	3859	1/1	0.98	0.18	-	80,80,80,80	0
59	MG	DA	3752	1/1	0.95	0.11	-	103,103,103,103	0
59	MG	DA	5001	1/1	0.90	0.21	-	75,75,75,75	0
59	MG	AA	3276	1/1	0.82	0.18	-	46,46,46,46	0
59	MG	DA	4953	1/1	0.95	0.12	-	63,63,63,63	0
59	MG	DA	4892	1/1	0.73	1.12	-	133,133,133,133	0
59	MG	BD	111	1/1	0.38	0.15	-	74,74,74,74	0
59	MG	CA	1794	1/1	0.83	0.19	-	124,124,124,124	0
59	MG	BA	2090	1/1	0.92	0.13	-	119,119,119,119	0
59	MG	DA	3541	1/1	0.97	0.11	-	19,19,19,19	0
59	MG	CA	2088	1/1	0.96	0.20	-	65,65,65,65	0
59	MG	DA	4812	1/1	0.92	0.18	-	87,87,87,87	0
59	MG	AA	3888	1/1	0.56	0.17	-	79,79,79,79	0
59	MG	DA	4361	1/1	0.95	0.37	-	47,47,47,47	0
59	MG	DA	4889	1/1	0.91	0.38	-	75,75,75,75	0
59	MG	AA	4063	1/1	0.89	0.16	-	75,75,75,75	0
59	MG	DA	4630	1/1	0.82	0.35	-	89,89,89,89	0
59	MG	AA	4059	1/1	0.72	0.17	-	54,54,54,54	0
59	MG	DA	4833	1/1	0.81	0.33	-	76,76,76,76	0
59	MG	DB	210	1/1	0.69	0.23	-	89,89,89,89	0
59	MG	BA	1753	1/1	0.89	0.14	-	69,69,69,69	0
59	MG	CA	2324	1/1	0.87	0.30	-	89,89,89,89	0
59	MG	AA	3966	1/1	0.74	0.40	-	75,75,75,75	0
59	MG	DA	3306	1/1	0.82	0.17	-	61,61,61,61	0
59	MG	AZ	103	1/1	0.90	0.13	-	75,75,75,75	0
59	MG	DA	5016	1/1	0.93	0.19	-	106,106,106,106	0
59	MG	DA	3129	1/1	0.99	0.22	-	14,14,14,14	0
59	MG	AA	3292	1/1	0.76	0.34	-	79,79,79,79	0
59	MG	DA	3582	1/1	0.69	0.25	-	63,63,63,63	0
59	MG	AB	202	1/1	0.91	0.25	-	51,51,51,51	0
59	MG	DA	4580	1/1	0.86	0.18	-	69,69,69,69	0
59	MG	DA	3606	1/1	0.83	0.39	-	88,88,88,88	0
59	MG	DF	324	1/1	0.95	0.25	-	76,76,76,76	0
59	MG	DA	4017	1/1	0.97	0.19	-	69,69,69,69	0
59	MG	BA	1981	1/1	0.86	0.11	-	68,68,68,68	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3267	1/1	0.82	0.30	-	72,72,72,72	0
59	MG	DA	4993	1/1	0.79	0.21	-	139,139,139,139	0
59	MG	AA	3382	1/1	0.74	0.21	-	83,83,83,83	0
59	MG	AA	3905	1/1	0.78	0.10	-	86,86,86,86	0
59	MG	DA	4729	1/1	0.99	0.36	-	39,39,39,39	0
59	MG	BA	1786	1/1	0.88	0.38	-	57,57,57,57	0
59	MG	DA	4024	1/1	0.98	0.07	-	47,47,47,47	0
59	MG	DA	4890	1/1	0.81	0.39	-	96,96,96,96	0
59	MG	BA	1655	1/1	0.96	0.31	-	58,58,58,58	0
59	MG	AA	3938	1/1	0.86	0.24	-	76,76,76,76	0
59	MG	BA	2050	1/1	0.87	0.26	-	85,85,85,85	0
59	MG	BA	1788	1/1	0.55	0.18	-	53,53,53,53	0
59	MG	AA	3173	1/1	0.96	0.12	-	14,14,14,14	0
59	MG	BA	2109	1/1	0.90	0.43	-	93,93,93,93	0
59	MG	DA	4234	1/1	0.87	0.28	-	37,37,37,37	0
59	MG	DA	4060	1/1	0.83	0.09	-	52,52,52,52	0
59	MG	AA	3411	1/1	0.92	0.17	-	73,73,73,73	0
59	MG	DA	4702	1/1	0.97	0.25	-	48,48,48,48	0
59	MG	DA	4341	1/1	0.88	0.12	-	59,59,59,59	0
59	MG	DA	3534	1/1	0.92	0.37	-	49,49,49,49	0
59	MG	D5	102	1/1	0.91	0.15	-	24,24,24,24	0
59	MG	BA	1955	1/1	0.90	0.29	-	74,74,74,74	0
59	MG	CA	2320	1/1	0.80	0.11	-	81,81,81,81	0
59	MG	AA	3807	1/1	0.59	0.17	-	87,87,87,87	0
59	MG	AA	3884	1/1	0.86	0.15	-	94,94,94,94	0
59	MG	BA	2111	1/1	0.79	0.28	-	79,79,79,79	0
59	MG	DA	3711	1/1	0.91	0.25	-	85,85,85,85	0
59	MG	BA	2212	1/1	0.63	0.21	-	91,91,91,91	0
59	MG	DA	3195	1/1	0.78	0.28	-	50,50,50,50	0
59	MG	CA	2064	1/1	0.89	0.25	-	66,66,66,66	0
59	MG	BA	1916	1/1	0.88	0.16	-	56,56,56,56	0
59	MG	DA	4773	1/1	0.72	0.30	-	81,81,81,81	0
59	MG	DA	4343	1/1	0.87	0.30	-	58,58,58,58	0
59	MG	AW	101	1/1	0.18	0.65	-	97,97,97,97	0
59	MG	DA	3120	1/1	0.71	0.23	-	57,57,57,57	0
59	MG	AA	3087	1/1	0.97	0.17	-	20,20,20,20	0
59	MG	CA	1715	1/1	0.85	0.12	-	62,62,62,62	0
59	MG	AA	3722	1/1	0.91	0.12	-	50,50,50,50	0
59	MG	CA	1970	1/1	0.40	0.21	-	100,100,100,100	0
59	MG	DA	4205	1/1	0.98	0.16	-	37,37,37,37	0
59	MG	AB	217	1/1	0.86	0.37	-	87,87,87,87	0
59	MG	DA	4943	1/1	0.80	0.41	-	81,81,81,81	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	4048	1/1	0.91	0.14	-	93,93,93,93	0
59	MG	AA	3728	1/1	0.76	0.19	-	70,70,70,70	0
59	MG	BA	1890	1/1	0.79	0.36	-	72,72,72,72	0
59	MG	DA	3574	1/1	0.83	0.08	-	71,71,71,71	0
59	MG	DA	3918	1/1	0.91	0.31	-	50,50,50,50	0
59	MG	BA	2001	1/1	0.83	0.33	-	96,96,96,96	0
59	MG	DA	3403	1/1	0.70	0.37	-	89,89,89,89	0
59	MG	BF	302	1/1	0.70	0.24	-	105,105,105,105	0
59	MG	DA	4104	1/1	0.93	0.36	-	76,76,76,76	0
59	MG	AA	3673	1/1	0.93	0.27	-	56,56,56,56	0
59	MG	DA	5019	1/1	0.85	0.21	-	62,62,62,62	0
59	MG	BA	1870	1/1	0.98	0.10	-	119,119,119,119	0
59	MG	DA	3332	1/1	0.77	0.42	-	82,82,82,82	0
59	MG	DA	4961	1/1	0.86	0.20	-	68,68,68,68	0
59	MG	AA	3257	1/1	0.96	0.14	-	36,36,36,36	0
59	MG	DA	3249	1/1	0.97	0.14	-	13,13,13,13	0
59	MG	BA	1813	1/1	0.90	0.10	-	94,94,94,94	0
59	MG	AA	3620	1/1	0.96	0.10	-	55,55,55,55	0
59	MG	AA	3297	1/1	0.96	0.20	-	58,58,58,58	0
59	MG	CA	2246	1/1	0.77	0.18	-	91,91,91,91	0
59	MG	BA	2190	1/1	0.96	0.11	-	62,62,62,62	0
59	MG	DA	3334	1/1	0.95	0.30	-	40,40,40,40	0
59	MG	BA	1853	1/1	0.87	0.23	-	103,103,103,103	0
59	MG	BA	1758	1/1	0.87	0.21	-	54,54,54,54	0
59	MG	DA	4656	1/1	0.69	0.28	-	71,71,71,71	0
59	MG	BA	2037	1/1	0.62	0.12	-	132,132,132,132	0
59	MG	DA	4331	1/1	0.80	0.27	-	63,63,63,63	0
59	MG	DA	3333	1/1	0.87	0.19	-	78,78,78,78	0
59	MG	DA	3443	1/1	0.97	0.08	-	54,54,54,54	0
59	MG	DA	3446	1/1	0.89	0.23	-	66,66,66,66	0
59	MG	DP	204	1/1	0.83	0.23	-	51,51,51,51	0
59	MG	AA	3197	1/1	0.93	0.11	-	50,50,50,50	0
59	MG	AA	3828	1/1	0.55	0.34	-	113,113,113,113	0
59	MG	DA	4638	1/1	0.77	0.26	-	56,56,56,56	0
59	MG	DA	3713	1/1	0.88	0.36	-	70,70,70,70	0
59	MG	DA	3349	1/1	0.94	0.31	-	56,56,56,56	0
59	MG	CA	1756	1/1	0.88	0.15	-	53,53,53,53	0
59	MG	CA	1810	1/1	0.97	0.11	-	61,61,61,61	0
59	MG	CA	1844	1/1	0.85	0.13	-	57,57,57,57	0
59	MG	BA	1693	1/1	0.95	0.31	-	46,46,46,46	0
59	MG	CA	1875	1/1	0.92	0.12	-	71,71,71,71	0
59	MG	BA	1635	1/1	0.72	0.34	-	102,102,102,102	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4092	1/1	0.91	0.20	-	99,99,99,99	0
59	MG	AA	4068	1/1	0.79	0.16	-	58,58,58,58	0
59	MG	CA	2016	1/1	0.84	0.45	-	80,80,80,80	0
59	MG	CA	1608	1/1	0.93	0.30	-	48,48,48,48	0
59	MG	DA	4253	1/1	0.92	0.28	-	62,62,62,62	0
59	MG	DA	4124	1/1	0.93	0.08	-	58,58,58,58	0
59	MG	DA	4056	1/1	0.95	0.43	-	62,62,62,62	0
59	MG	DA	3130	1/1	0.77	0.26	-	73,73,73,73	0
59	MG	BC	106	1/1	0.88	0.14	-	58,58,58,58	0
59	MG	AA	3796	1/1	0.83	0.19	-	94,94,94,94	0
59	MG	DB	244	1/1	0.69	0.34	-	68,68,68,68	0
59	MG	DA	4240	1/1	0.83	0.43	-	70,70,70,70	0
59	MG	BA	2267	1/1	0.70	0.25	-	91,91,91,91	0
59	MG	AA	3301	1/1	0.94	0.17	-	50,50,50,50	0
59	MG	DA	4051	1/1	0.87	0.22	-	94,94,94,94	0
59	MG	BA	1976	1/1	0.92	0.15	-	147,147,147,147	0
59	MG	DA	3642	1/1	0.85	0.19	-	42,42,42,42	0
59	MG	BA	2165	1/1	0.93	0.10	-	61,61,61,61	0
59	MG	DB	276	1/1	0.62	0.21	-	66,66,66,66	0
59	MG	DA	3109	1/1	0.98	0.20	-	18,18,18,18	0
59	MG	CA	2137	1/1	0.75	0.19	-	88,88,88,88	0
59	MG	CA	2022	1/1	0.87	0.32	-	88,88,88,88	0
59	MG	DB	251	1/1	0.97	0.14	-	49,49,49,49	0
59	MG	DA	4821	1/1	0.87	0.14	-	54,54,54,54	0
59	MG	CA	1909	1/1	0.91	0.33	-	69,69,69,69	0
59	MG	DA	4766	1/1	0.91	0.21	-	67,67,67,67	0
59	MG	DA	3489	1/1	0.93	0.11	-	41,41,41,41	0
59	MG	DA	4250	1/1	0.89	0.30	-	49,49,49,49	0
59	MG	DA	4177	1/1	0.81	0.29	-	52,52,52,52	0
59	MG	CA	1924	1/1	0.91	0.16	-	88,88,88,88	0
59	MG	AA	4157	1/1	0.94	0.10	-	76,76,76,76	0
59	MG	AA	3041	1/1	0.88	0.10	-	81,81,81,81	0
59	MG	DA	3438	1/1	0.95	0.18	-	32,32,32,32	0
59	MG	AA	3128	1/1	0.97	0.23	-	32,32,32,32	0
59	MG	DA	4169	1/1	0.98	0.29	-	71,71,71,71	0
59	MG	DA	4502	1/1	0.82	0.35	-	62,62,62,62	0
59	MG	DA	5023	1/1	0.93	0.21	-	62,62,62,62	0
59	MG	DA	4102	1/1	0.85	0.19	-	70,70,70,70	0
59	MG	DA	3695	1/1	0.76	0.23	-	131,131,131,131	0
59	MG	BM	203	1/1	0.78	0.24	-	91,91,91,91	0
59	MG	CA	1989	1/1	0.94	0.22	-	60,60,60,60	0
59	MG	DA	4066	1/1	0.84	0.11	-	59,59,59,59	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3242	1/1	0.93	0.25	-	56,56,56,56	0
59	MG	AA	3360	1/1	0.81	0.19	-	95,95,95,95	0
59	MG	DA	4048	1/1	0.88	0.10	-	75,75,75,75	0
59	MG	AA	3146	1/1	0.84	0.24	-	78,78,78,78	0
59	MG	CA	1758	1/1	0.99	0.12	-	52,52,52,52	0
59	MG	DA	4991	1/1	0.93	0.21	-	123,123,123,123	0
59	MG	DA	4699	1/1	0.86	0.28	-	92,92,92,92	0
59	MG	AA	3835	1/1	0.87	0.15	-	56,56,56,56	0
59	MG	DY	203	1/1	0.94	0.18	-	75,75,75,75	0
59	MG	AA	3865	1/1	0.92	0.19	-	62,62,62,62	0
59	MG	BA	1983	1/1	0.92	0.05	-	80,80,80,80	0
59	MG	BA	1803	1/1	0.77	0.38	-	90,90,90,90	0
59	MG	BA	2152	1/1	0.86	0.20	-	83,83,83,83	0
59	MG	CA	2107	1/1	0.89	0.23	-	73,73,73,73	0
59	MG	DA	3997	1/1	0.87	0.16	-	57,57,57,57	0
59	MG	AA	3656	1/1	0.94	0.17	-	37,37,37,37	0
59	MG	AA	3131	1/1	0.95	0.15	-	34,34,34,34	0
59	MG	DA	3425	1/1	0.79	0.30	-	63,63,63,63	0
59	MG	DA	4667	1/1	0.92	0.20	-	46,46,46,46	0
59	MG	CA	1793	1/1	0.91	0.15	-	74,74,74,74	0
59	MG	AA	3480	1/1	0.71	0.25	-	70,70,70,70	0
59	MG	CA	2099	1/1	0.71	0.11	-	94,94,94,94	0
59	MG	CA	1815	1/1	0.94	0.09	-	66,66,66,66	0
59	MG	DA	4918	1/1	0.89	0.13	-	48,48,48,48	0
59	MG	DA	3352	1/1	0.89	0.44	-	80,80,80,80	0
59	MG	DA	4391	1/1	0.74	0.19	-	52,52,52,52	0
59	MG	DA	3282	1/1	0.95	0.08	-	12,12,12,12	0
59	MG	AA	3259	1/1	0.95	0.44	-	57,57,57,57	0
59	MG	DA	4007	1/1	0.52	0.14	-	110,110,110,110	0
59	MG	DZ	103	1/1	0.90	0.14	-	87,87,87,87	0
59	MG	AA	3491	1/1	0.68	0.19	-	68,68,68,68	0
59	MG	DA	3827	1/1	0.90	0.14	-	97,97,97,97	0
59	MG	BA	1649	1/1	0.94	0.24	-	63,63,63,63	0
59	MG	DF	310	1/1	0.93	0.12	-	49,49,49,49	0
59	MG	BA	2122	1/1	0.69	0.19	-	107,107,107,107	0
59	MG	AA	3130	1/1	0.97	0.28	-	24,24,24,24	0
59	MG	DA	3634	1/1	0.88	0.24	-	54,54,54,54	0
59	MG	DA	4814	1/1	0.75	0.36	-	114,114,114,114	0
59	MG	CD	102	1/1	0.84	0.20	-	64,64,64,64	0
59	MG	DB	265	1/1	0.93	0.21	-	81,81,81,81	0
59	MG	BA	2086	1/1	0.90	0.21	-	83,83,83,83	0
59	MG	DA	3518	1/1	0.86	0.20	-	65,65,65,65	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3588	1/1	0.92	0.17	-	82,82,82,82	0
59	MG	DA	3529	1/1	0.99	0.30	-	84,84,84,84	0
59	MG	AA	3151	1/1	0.97	0.19	-	60,60,60,60	0
59	MG	AA	3431	1/1	0.91	0.14	-	53,53,53,53	0
59	MG	B1	101	1/1	0.81	0.25	-	60,60,60,60	0
59	MG	DA	3981	1/1	0.85	0.51	-	87,87,87,87	0
59	MG	DA	4013	1/1	0.96	0.39	-	42,42,42,42	0
59	MG	AA	3826	1/1	0.92	0.19	-	92,92,92,92	0
59	MG	CA	2292	1/1	0.89	0.11	-	67,67,67,67	0
59	MG	DA	4607	1/1	0.95	0.16	-	64,64,64,64	0
59	MG	DA	4103	1/1	0.89	0.46	-	85,85,85,85	0
59	MG	AA	3648	1/1	0.95	0.15	-	43,43,43,43	0
59	MG	DA	3867	1/1	0.93	0.25	-	100,100,100,100	0
59	MG	AA	3708	1/1	0.94	0.15	-	49,49,49,49	0
59	MG	DA	4571	1/1	0.87	0.15	-	61,61,61,61	0
59	MG	DA	4617	1/1	0.83	0.20	-	54,54,54,54	0
59	MG	AA	3507	1/1	0.98	0.21	-	30,30,30,30	0
59	MG	DA	4495	1/1	0.81	0.48	-	111,111,111,111	0
59	MG	DA	3567	1/1	0.86	0.17	-	47,47,47,47	0
59	MG	DB	249	1/1	0.94	0.24	-	84,84,84,84	0
59	MG	DB	253	1/1	0.88	0.15	-	74,74,74,74	0
59	MG	AA	4110	1/1	0.82	0.09	-	102,102,102,102	0
59	MG	CB	104	1/1	0.94	0.13	-	51,51,51,51	0
59	MG	AA	3577	1/1	0.99	0.08	-	80,80,80,80	0
59	MG	DA	4781	1/1	0.81	0.46	-	105,105,105,105	0
59	MG	DA	3103	1/1	0.94	0.38	-	49,49,49,49	0
59	MG	CA	2169	1/1	0.83	0.36	-	95,95,95,95	0
59	MG	BA	1919	1/1	0.89	0.30	-	59,59,59,59	0
59	MG	DA	4692	1/1	0.90	0.32	-	74,74,74,74	0
59	MG	CA	2154	1/1	0.85	0.16	-	75,75,75,75	0
59	MG	DA	4824	1/1	0.92	0.24	-	71,71,71,71	0
59	MG	CT	203	1/1	0.92	0.14	-	54,54,54,54	0
59	MG	BA	1738	1/1	0.90	0.28	-	59,59,59,59	0
59	MG	DA	4569	1/1	0.92	0.17	-	37,37,37,37	0
59	MG	DA	4176	1/1	0.92	0.14	-	53,53,53,53	0
59	MG	DA	3796	1/1	0.95	0.17	-	26,26,26,26	0
59	MG	DA	3147	1/1	0.90	0.14	-	45,45,45,45	0
59	MG	DA	3196	1/1	0.93	0.29	-	43,43,43,43	0
59	MG	BA	2045	1/1	0.97	0.05	-	66,66,66,66	0
59	MG	DA	3748	1/1	0.82	0.26	-	66,66,66,66	0
59	MG	BD	114	1/1	0.77	0.14	-	93,93,93,93	0
59	MG	CA	1666	1/1	0.89	0.36	-	60,60,60,60	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3979	1/1	0.87	0.34	-	94,94,94,94	0
59	MG	CD	105	1/1	0.95	0.41	-	62,62,62,62	0
59	MG	DA	5077	1/1	0.56	0.47	-	102,102,102,102	0
59	MG	AA	4024	1/1	0.80	0.30	-	95,95,95,95	0
59	MG	AA	3100	1/1	0.93	0.10	-	34,34,34,34	0
59	MG	DA	4359	1/1	0.89	0.26	-	47,47,47,47	0
59	MG	DA	4817	1/1	0.79	0.26	-	78,78,78,78	0
59	MG	BA	1810	1/1	0.94	0.11	-	93,93,93,93	0
59	MG	DA	4990	1/1	0.82	0.27	-	70,70,70,70	0
59	MG	DA	4260	1/1	0.93	0.18	-	56,56,56,56	0
59	MG	AA	3771	1/1	0.89	0.37	-	79,79,79,79	0
59	MG	DA	3823	1/1	0.92	0.10	-	81,81,81,81	0
59	MG	BA	1631	1/1	0.92	0.25	-	48,48,48,48	0
59	MG	AA	4095	1/1	0.84	0.15	-	58,58,58,58	0
59	MG	AA	4003	1/1	0.76	0.07	-	109,109,109,109	0
59	MG	AA	3416	1/1	0.79	0.35	-	78,78,78,78	0
59	MG	DA	3041	1/1	0.96	0.26	-	20,20,20,20	0
59	MG	AA	4030	1/1	0.96	0.17	-	66,66,66,66	0
59	MG	DA	3887	1/1	0.77	0.35	-	68,68,68,68	0
59	MG	BA	1676	1/1	0.84	0.16	-	84,84,84,84	0
59	MG	AA	4116	1/1	0.73	0.26	-	98,98,98,98	0
59	MG	DA	3734	1/1	0.97	0.06	-	55,55,55,55	0
59	MG	AA	3042	1/1	0.96	0.16	-	35,35,35,35	0
59	MG	BA	2115	1/1	0.61	0.27	-	118,118,118,118	0
59	MG	BA	1849	1/1	0.91	0.14	-	74,74,74,74	0
59	MG	AA	3937	1/1	0.96	0.19	-	67,67,67,67	0
59	MG	BA	1959	1/1	0.87	0.21	-	64,64,64,64	0
59	MG	DA	3532	1/1	0.95	0.33	-	49,49,49,49	0
59	MG	AA	3285	1/1	0.82	0.12	-	62,62,62,62	0
59	MG	DA	3872	1/1	0.79	0.15	-	75,75,75,75	0
59	MG	DA	4475	1/1	0.95	0.17	-	50,50,50,50	0
59	MG	DA	4596	1/1	0.93	0.33	-	63,63,63,63	0
59	MG	BA	1789	1/1	0.73	0.33	-	105,105,105,105	0
59	MG	CA	2003	1/1	0.95	0.23	-	77,77,77,77	0
59	MG	DA	3716	1/1	0.96	0.23	-	13,13,13,13	0
59	MG	CA	1615	1/1	0.92	0.19	-	60,60,60,60	0
59	MG	AA	3781	1/1	0.48	0.15	-	104,104,104,104	0
59	MG	BS	106	1/1	0.69	0.33	-	100,100,100,100	0
59	MG	DA	4439	1/1	0.98	0.10	-	58,58,58,58	0
59	MG	DA	4665	1/1	0.81	0.20	-	76,76,76,76	0
59	MG	AA	3481	1/1	0.92	0.17	-	61,61,61,61	0
59	MG	BA	1939	1/1	0.82	0.34	-	81,81,81,81	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4982	1/1	0.84	0.60	-	53,53,53,53	0
59	MG	AA	4144	1/1	0.95	0.11	-	100,100,100,100	0
59	MG	AA	3427	1/1	0.91	0.07	-	47,47,47,47	0
59	MG	AA	3099	1/1	0.94	0.11	-	33,33,33,33	0
59	MG	AA	3133	1/1	0.99	0.10	-	25,25,25,25	0
59	MG	DA	3760	1/1	0.91	0.25	-	78,78,78,78	0
59	MG	CA	2095	1/1	0.96	0.13	-	64,64,64,64	0
59	MG	BA	1766	1/1	0.81	0.11	-	74,74,74,74	0
59	MG	CA	1716	1/1	0.91	0.31	-	66,66,66,66	0
59	MG	BA	2171	1/1	0.87	0.34	-	132,132,132,132	0
59	MG	BG	306	1/1	0.70	0.22	-	108,108,108,108	0
59	MG	DA	3834	1/1	0.97	0.20	-	57,57,57,57	0
59	MG	BA	1771	1/1	0.80	0.41	-	74,74,74,74	0
59	MG	AA	3693	1/1	0.85	0.16	-	52,52,52,52	0
59	MG	DA	4618	1/1	0.94	0.17	-	61,61,61,61	0
59	MG	DA	4420	1/1	0.96	0.12	-	40,40,40,40	0
59	MG	DA	3815	1/1	0.87	0.21	-	83,83,83,83	0
59	MG	CA	1864	1/1	0.82	0.28	-	82,82,82,82	0
59	MG	CA	1645	1/1	0.94	0.21	-	74,74,74,74	0
59	MG	DA	3928	1/1	0.95	0.07	-	49,49,49,49	0
59	MG	DA	4886	1/1	0.79	0.41	-	60,60,60,60	0
59	MG	CA	2097	1/1	0.72	0.15	-	82,82,82,82	0
59	MG	CA	1848	1/1	0.58	0.28	-	100,100,100,100	0
59	MG	DA	3230	1/1	0.85	0.23	-	43,43,43,43	0
59	MG	BA	2186	1/1	0.82	0.16	-	79,79,79,79	0
59	MG	DA	4904	1/1	0.73	0.31	-	71,71,71,71	0
59	MG	BA	1685	1/1	0.94	0.13	-	45,45,45,45	0
59	MG	BA	2130	1/1	0.79	0.13	-	86,86,86,86	0
59	MG	DA	3563	1/1	0.99	0.14	-	44,44,44,44	0
59	MG	DA	3807	1/1	0.96	0.12	-	59,59,59,59	0
59	MG	BA	1756	1/1	0.59	0.16	-	69,69,69,69	0
59	MG	AA	3436	1/1	0.90	0.24	-	127,127,127,127	0
59	MG	DA	3338	1/1	0.94	0.10	-	49,49,49,49	0
59	MG	DA	5020	1/1	0.89	0.16	-	63,63,63,63	0
59	MG	BA	1790	1/1	0.94	0.09	-	56,56,56,56	0
59	MG	AA	3314	1/1	0.92	0.12	-	74,74,74,74	0
59	MG	CA	1960	1/1	0.66	0.11	-	91,91,91,91	0
59	MG	AA	4119	1/1	0.83	0.36	-	112,112,112,112	0
59	MG	DA	4140	1/1	0.97	0.23	-	47,47,47,47	0
59	MG	CA	1966	1/1	0.81	0.19	-	69,69,69,69	0
59	MG	BA	1831	1/1	0.86	0.11	-	81,81,81,81	0
59	MG	BA	1726	1/1	0.91	0.25	-	62,62,62,62	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4340	1/1	0.92	0.26	-	60,60,60,60	0
59	MG	CD	107	1/1	0.88	0.16	-	57,57,57,57	0
59	MG	DA	3065	1/1	0.97	0.11	-	6,6,6,6	0
59	MG	DA	3919	1/1	0.76	0.32	-	76,76,76,76	0
59	MG	BA	1932	1/1	0.81	0.13	-	107,107,107,107	0
59	MG	DA	4516	1/1	0.81	0.25	-	53,53,53,53	0
59	MG	AA	3562	1/1	0.92	0.11	-	55,55,55,55	0
59	MG	CA	2266	1/1	0.83	0.23	-	73,73,73,73	0
59	MG	DA	4468	1/1	0.92	0.27	-	60,60,60,60	0
59	MG	DA	4786	1/1	0.93	0.14	-	81,81,81,81	0
59	MG	DA	4663	1/1	0.84	0.21	-	69,69,69,69	0
59	MG	CA	1850	1/1	0.83	0.20	-	100,100,100,100	0
59	MG	CD	109	1/1	0.79	0.12	-	70,70,70,70	0
59	MG	CA	2200	1/1	0.81	0.12	-	73,73,73,73	0
59	MG	BH	202	1/1	0.92	0.10	-	61,61,61,61	0
59	MG	DA	4125	1/1	0.84	0.32	-	76,76,76,76	0
59	MG	DA	4809	1/1	0.64	0.47	-	59,59,59,59	0
59	MG	DA	4868	1/1	0.93	0.13	-	70,70,70,70	0
59	MG	AA	3012	1/1	0.97	0.27	-	21,21,21,21	0
59	MG	DA	3926	1/1	0.94	0.35	-	49,49,49,49	0
59	MG	DA	3704	1/1	0.96	0.22	-	33,33,33,33	0
59	MG	CA	2031	1/1	0.91	0.22	-	77,77,77,77	0
59	MG	DA	3466	1/1	0.91	0.20	-	79,79,79,79	0
59	MG	AA	3124	1/1	0.68	0.35	-	71,71,71,71	0
59	MG	AA	3202	1/1	0.95	0.20	-	31,31,31,31	0
59	MG	AA	3744	1/1	0.69	0.20	-	64,64,64,64	0
59	MG	DA	5038	1/1	0.86	0.21	-	84,84,84,84	0
59	MG	DA	4979	1/1	0.93	0.26	-	47,47,47,47	0
59	MG	DA	3111	1/1	0.91	0.38	-	64,64,64,64	0
59	MG	AA	3482	1/1	0.81	0.21	-	58,58,58,58	0
59	MG	BA	1645	1/1	0.90	0.30	-	88,88,88,88	0
59	MG	DA	3118	1/1	0.84	0.30	-	69,69,69,69	0
59	MG	DA	4765	1/1	0.82	0.09	-	120,120,120,120	0
59	MG	DA	4186	1/1	0.84	0.24	-	45,45,45,45	0
59	MG	AA	3404	1/1	0.92	0.42	-	77,77,77,77	0
59	MG	DA	4907	1/1	0.96	0.56	-	57,57,57,57	0
59	MG	DS	206	1/1	0.77	0.24	-	60,60,60,60	0
59	MG	BA	1941	1/1	0.94	0.11	-	58,58,58,58	0
59	MG	CA	1686	1/1	0.96	0.28	-	35,35,35,35	0
59	MG	DA	4707	1/1	0.93	0.31	-	86,86,86,86	0
59	MG	DA	3012	1/1	0.96	0.32	-	19,19,19,19	0
59	MG	AA	3230	1/1	0.98	0.17	-	51,51,51,51	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3510	1/1	0.91	0.12	-	26,26,26,26	0
59	MG	BA	1667	1/1	0.88	0.22	-	62,62,62,62	0
59	MG	AA	3288	1/1	0.86	0.08	-	51,51,51,51	0
59	MG	DA	4625	1/1	0.79	0.29	-	67,67,67,67	0
59	MG	AA	3341	1/1	0.81	0.16	-	57,57,57,57	0
59	MG	DA	3047	1/1	0.99	0.18	-	1,1,1,1	0
59	MG	DA	4339	1/1	0.95	0.27	-	71,71,71,71	0
59	MG	DA	3655	1/1	0.86	0.45	-	86,86,86,86	0
59	MG	BW	206	1/1	0.93	0.07	-	56,56,56,56	0
59	MG	AD	304	1/1	0.95	0.08	-	65,65,65,65	0
59	MG	AA	3860	1/1	0.94	0.09	-	83,83,83,83	0
59	MG	BA	1936	1/1	0.74	0.25	-	80,80,80,80	0
59	MG	DA	4026	1/1	0.89	0.21	-	55,55,55,55	0
59	MG	DB	254	1/1	0.86	0.27	-	66,66,66,66	0
59	MG	DA	4429	1/1	0.94	0.15	-	55,55,55,55	0
59	MG	DA	5025	1/1	0.90	0.22	-	100,100,100,100	0
59	MG	CA	1853	1/1	0.88	0.15	-	61,61,61,61	0
59	MG	CA	1985	1/1	0.96	0.18	-	61,61,61,61	0
59	MG	AA	3316	1/1	0.98	0.10	-	47,47,47,47	0
59	MG	AA	3599	1/1	0.96	0.14	-	110,110,110,110	0
59	MG	DA	3481	1/1	0.78	0.31	-	93,93,93,93	0
59	MG	AA	3193	1/1	0.89	0.17	-	99,99,99,99	0
59	MG	AA	3737	1/1	0.93	0.13	-	55,55,55,55	0
59	MG	DA	3557	1/1	0.97	0.13	-	55,55,55,55	0
59	MG	DA	3088	1/1	0.94	0.26	-	12,12,12,12	0
59	MG	CD	124	1/1	0.96	0.45	-	73,73,73,73	0
59	MG	DA	3641	1/1	0.83	0.23	-	60,60,60,60	0
59	MG	DA	3620	1/1	0.90	0.19	-	58,58,58,58	0
59	MG	DA	4700	1/1	0.63	0.25	-	75,75,75,75	0
59	MG	DA	4271	1/1	0.92	0.74	-	53,53,53,53	0
59	MG	CA	2118	1/1	0.87	0.18	-	82,82,82,82	0
59	MG	DA	3836	1/1	0.82	0.45	-	85,85,85,85	0
59	MG	CA	1882	1/1	0.91	0.27	-	55,55,55,55	0
59	MG	AA	4103	1/1	0.83	0.25	-	54,54,54,54	0
59	MG	AA	4012	1/1	0.76	0.24	-	85,85,85,85	0
59	MG	CA	2059	1/1	0.84	0.14	-	95,95,95,95	0
59	MG	CA	1946	1/1	0.46	0.45	-	112,112,112,112	0
59	MG	DA	3094	1/1	0.91	0.29	-	23,23,23,23	0
59	MG	DA	4483	1/1	0.75	0.22	-	64,64,64,64	0
59	MG	DA	3250	1/1	0.94	0.19	-	13,13,13,13	0
59	MG	DA	3972	1/1	0.98	0.16	-	41,41,41,41	0
59	MG	DA	4156	1/1	0.89	0.18	-	47,47,47,47	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DB	267	1/1	0.82	0.17	-	73,73,73,73	0
59	MG	AA	3869	1/1	0.57	0.27	-	68,68,68,68	0
59	MG	BA	2196	1/1	0.91	0.20	-	65,65,65,65	0
59	MG	BA	1931	1/1	0.60	0.22	-	68,68,68,68	0
59	MG	AA	3857	1/1	0.91	0.42	-	65,65,65,65	0
59	MG	BA	2058	1/1	0.91	0.15	-	104,104,104,104	0
59	MG	AA	3451	1/1	0.94	0.11	-	89,89,89,89	0
59	MG	DK	202	1/1	0.92	0.13	-	66,66,66,66	0
59	MG	CA	2287	1/1	0.49	0.28	-	119,119,119,119	0
59	MG	CA	1986	1/1	0.93	0.13	-	95,95,95,95	0
59	MG	CA	1767	1/1	0.76	0.18	-	80,80,80,80	0
59	MG	CA	2085	1/1	0.98	0.16	-	58,58,58,58	0
59	MG	CA	2050	1/1	0.80	0.28	-	80,80,80,80	0
59	MG	CA	2260	1/1	0.83	0.13	-	67,67,67,67	0
59	MG	D0	202	1/1	0.87	0.21	-	62,62,62,62	0
59	MG	DB	270	1/1	0.92	0.26	-	61,61,61,61	0
59	MG	BA	2123	1/1	0.97	0.10	-	90,90,90,90	0
59	MG	DA	4791	1/1	0.88	0.34	-	69,69,69,69	0
59	MG	AA	4009	1/1	0.58	0.17	-	99,99,99,99	0
59	MG	DA	3772	1/1	0.94	0.16	-	65,65,65,65	0
59	MG	DO	215	1/1	0.99	0.09	-	41,41,41,41	0
59	MG	BA	1837	1/1	0.99	0.10	-	88,88,88,88	0
59	MG	DA	4875	1/1	0.97	0.07	-	88,88,88,88	0
59	MG	AA	3391	1/1	0.96	0.16	-	39,39,39,39	0
59	MG	AB	201	1/1	0.90	0.14	-	42,42,42,42	0
59	MG	AA	4031	1/1	0.95	0.10	-	84,84,84,84	0
59	MG	DB	228	1/1	0.80	0.64	-	91,91,91,91	0
59	MG	AA	3502	1/1	0.88	0.20	-	55,55,55,55	0
59	MG	AA	3141	1/1	0.89	0.35	-	66,66,66,66	0
59	MG	BA	1742	1/1	0.92	0.25	-	46,46,46,46	0
59	MG	AA	3731	1/1	0.98	0.08	-	79,79,79,79	0
59	MG	DM	203	1/1	0.91	0.14	-	59,59,59,59	0
59	MG	DA	4841	1/1	0.96	0.27	-	80,80,80,80	0
59	MG	CA	1825	1/1	0.67	0.14	-	90,90,90,90	0
59	MG	CA	2193	1/1	0.77	0.33	-	86,86,86,86	0
59	MG	DA	3146	1/1	0.95	0.21	-	55,55,55,55	0
59	MG	CA	2115	1/1	0.92	0.29	-	78,78,78,78	0
59	MG	DA	4404	1/1	0.80	0.18	-	68,68,68,68	0
59	MG	DA	3289	1/1	0.93	0.19	-	27,27,27,27	0
59	MG	BA	1682	1/1	0.97	0.28	-	51,51,51,51	0
59	MG	DA	3487	1/1	0.75	0.21	-	62,62,62,62	0
59	MG	DB	209	1/1	0.51	0.57	-	77,77,77,77	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2020	1/1	0.90	0.17	-	67,67,67,67	0
59	MG	AA	3660	1/1	0.89	0.29	-	68,68,68,68	0
59	MG	AN	201	1/1	0.89	0.34	-	118,118,118,118	0
59	MG	DA	3594	1/1	0.90	0.09	-	49,49,49,49	0
59	MG	DA	3404	1/1	0.81	0.29	-	65,65,65,65	0
59	MG	BA	2082	1/1	0.90	0.16	-	96,96,96,96	0
59	MG	DB	231	1/1	0.77	0.48	-	83,83,83,83	0
59	MG	AA	3244	1/1	0.96	0.28	-	55,55,55,55	0
59	MG	AA	3159	1/1	0.89	0.19	-	61,61,61,61	0
59	MG	DA	3531	1/1	0.90	0.23	-	53,53,53,53	0
59	MG	DA	4855	1/1	0.96	0.12	-	74,74,74,74	0
59	MG	DA	4237	1/1	0.89	0.26	-	78,78,78,78	0
59	MG	DA	4316	1/1	0.78	0.24	-	67,67,67,67	0
59	MG	DA	4648	1/1	0.73	0.26	-	61,61,61,61	0
59	MG	CA	1696	1/1	0.95	0.18	-	33,33,33,33	0
59	MG	AA	4075	1/1	0.47	0.61	-	132,132,132,132	0
59	MG	CA	2058	1/1	0.88	0.19	-	73,73,73,73	0
59	MG	AA	3787	1/1	0.93	0.12	-	70,70,70,70	0
59	MG	DA	4909	1/1	0.87	0.26	-	70,70,70,70	0
59	MG	AA	3084	1/1	0.91	0.11	-	55,55,55,55	0
59	MG	DA	4206	1/1	0.94	0.16	-	45,45,45,45	0
59	MG	DA	3840	1/1	0.87	0.13	-	58,58,58,58	0
59	MG	BA	2200	1/1	0.96	0.14	-	102,102,102,102	0
59	MG	C1	104	1/1	0.87	0.24	-	71,71,71,71	0
59	MG	DA	3952	1/1	0.95	0.12	-	46,46,46,46	0
59	MG	DA	4374	1/1	0.90	0.49	-	77,77,77,77	0
59	MG	BA	1946	1/1	0.93	0.15	-	70,70,70,70	0
59	MG	CA	1795	1/1	0.85	0.19	-	109,109,109,109	0
59	MG	AA	3914	1/1	0.81	0.21	-	78,78,78,78	0
59	MG	AA	4104	1/1	0.93	0.37	-	71,71,71,71	0
59	MG	DA	5058	1/1	0.53	0.43	-	103,103,103,103	0
59	MG	DA	4887	1/1	0.98	0.15	-	87,87,87,87	0
59	MG	DV	303	1/1	0.85	0.18	-	67,67,67,67	0
59	MG	AA	3909	1/1	0.95	0.41	-	90,90,90,90	0
59	MG	DA	4110	1/1	0.87	0.24	-	51,51,51,51	0
59	MG	CA	1892	1/1	0.73	0.24	-	68,68,68,68	0
59	MG	BA	2027	1/1	0.89	0.24	-	107,107,107,107	0
59	MG	DA	3357	1/1	0.95	0.15	-	59,59,59,59	0
59	MG	AA	4106	1/1	0.69	0.28	-	88,88,88,88	0
59	MG	CA	1674	1/1	0.94	0.37	-	60,60,60,60	0
59	MG	DA	3931	1/1	0.83	0.16	-	83,83,83,83	0
59	MG	DA	3929	1/1	0.95	0.07	-	73,73,73,73	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4317	1/1	0.68	0.21	-	61,61,61,61	0
59	MG	CA	1740	1/1	0.94	0.27	-	48,48,48,48	0
59	MG	DA	4068	1/1	0.97	0.12	-	50,50,50,50	0
59	MG	DA	5050	1/1	0.67	0.33	-	83,83,83,83	0
59	MG	CA	2134	1/1	0.90	0.22	-	89,89,89,89	0
59	MG	BA	1797	1/1	0.96	0.24	-	63,63,63,63	0
59	MG	DA	4088	1/1	0.91	0.33	-	83,83,83,83	0
59	MG	DG	205	1/1	0.86	0.29	-	64,64,64,64	0
59	MG	DB	257	1/1	0.90	0.24	-	57,57,57,57	0
59	MG	DA	3406	1/1	0.81	0.31	-	59,59,59,59	0
59	MG	BA	1637	1/1	0.96	0.25	-	57,57,57,57	0
59	MG	AA	3960	1/1	0.87	0.17	-	101,101,101,101	0
59	MG	DA	3170	1/1	0.97	0.27	-	16,16,16,16	0
59	MG	DA	4305	1/1	0.93	0.19	-	46,46,46,46	0
59	MG	CA	2075	1/1	0.82	0.21	-	84,84,84,84	0
59	MG	DA	3907	1/1	0.86	0.15	-	83,83,83,83	0
59	MG	DA	4256	1/1	0.97	0.41	-	115,115,115,115	0
59	MG	DA	3014	1/1	0.99	0.37	-	7,7,7,7	0
59	MG	AA	3608	1/1	0.80	0.17	-	86,86,86,86	0
59	MG	BU	1601	1/1	0.94	0.09	-	56,56,56,56	0
59	MG	BA	2121	1/1	0.93	0.32	-	84,84,84,84	0
59	MG	DA	3460	1/1	0.95	0.25	-	46,46,46,46	0
59	MG	AA	3685	1/1	0.63	0.28	-	65,65,65,65	0
59	MG	DA	3513	1/1	0.88	0.32	-	50,50,50,50	0
59	MG	AA	3180	1/1	0.87	0.14	-	62,62,62,62	0
59	MG	DA	3272	1/1	0.93	0.25	-	29,29,29,29	0
59	MG	BA	2226	1/1	0.89	0.39	-	101,101,101,101	0
59	MG	CA	1768	1/1	0.94	0.14	-	48,48,48,48	0
59	MG	AA	3578	1/1	0.90	0.15	-	33,33,33,33	0
59	MG	CA	1868	1/1	0.97	0.07	-	29,29,29,29	0
59	MG	DA	4350	1/1	0.96	0.21	-	54,54,54,54	0
59	MG	AA	3889	1/1	0.96	0.10	-	73,73,73,73	0
59	MG	DE	313	1/1	0.90	0.20	-	73,73,73,73	0
59	MG	DB	266	1/1	0.87	0.18	-	51,51,51,51	0
59	MG	AA	3232	1/1	0.98	0.08	-	25,25,25,25	0
59	MG	DB	263	1/1	0.69	0.24	-	80,80,80,80	0
59	MG	CA	2179	1/1	0.85	0.22	-	80,80,80,80	0
59	MG	CA	2006	1/1	0.91	0.14	-	67,67,67,67	0
59	MG	BA	2046	1/1	0.85	0.17	-	95,95,95,95	0
59	MG	DA	4670	1/1	0.97	0.25	-	61,61,61,61	0
59	MG	BA	2038	1/1	0.92	0.24	-	80,80,80,80	0
59	MG	AA	3408	1/1	0.57	0.29	-	61,61,61,61	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3417	1/1	0.89	0.20	-	62,62,62,62	0
59	MG	AA	3950	1/1	0.90	0.06	-	63,63,63,63	0
59	MG	CA	2080	1/1	0.82	0.29	-	83,83,83,83	0
59	MG	DA	4780	1/1	0.64	0.17	-	62,62,62,62	0
59	MG	AA	3645	1/1	0.80	0.26	-	46,46,46,46	0
59	MG	BA	1998	1/1	0.92	0.13	-	76,76,76,76	0
59	MG	DA	4728	1/1	0.59	0.47	-	86,86,86,86	0
59	MG	DA	3457	1/1	0.93	0.28	-	76,76,76,76	0
59	MG	DA	3200	1/1	0.88	0.20	-	67,67,67,67	0
59	MG	BA	1861	1/1	0.92	0.11	-	78,78,78,78	0
59	MG	DA	4004	1/1	0.84	0.62	-	90,90,90,90	0
59	MG	DA	4675	1/1	0.91	0.28	-	73,73,73,73	0
59	MG	CA	1961	1/1	0.87	0.29	-	70,70,70,70	0
59	MG	DA	5012	1/1	0.80	0.25	-	100,100,100,100	0
59	MG	AA	3060	1/1	0.75	0.12	-	76,76,76,76	0
59	MG	CA	2302	1/1	0.78	0.13	-	77,77,77,77	0
59	MG	DA	3821	1/1	0.91	0.20	-	81,81,81,81	0
59	MG	AA	4046	1/1	0.42	0.18	-	111,111,111,111	0
59	MG	DA	4457	1/1	0.96	0.13	-	75,75,75,75	0
59	MG	CD	104	1/1	0.56	0.41	-	74,74,74,74	0
59	MG	DA	4180	1/1	0.83	0.23	-	66,66,66,66	0
59	MG	AA	3877	1/1	0.92	0.28	-	109,109,109,109	0
59	MG	CA	1788	1/1	0.93	0.07	-	79,79,79,79	0
59	MG	DA	4716	1/1	0.56	0.10	-	77,77,77,77	0
59	MG	CB	107	1/1	0.62	0.23	-	106,106,106,106	0
59	MG	DA	5053	1/1	0.78	0.51	-	101,101,101,101	0
59	MG	AA	3931	1/1	0.85	0.20	-	86,86,86,86	0
59	MG	A0	201	1/1	0.80	0.17	-	61,61,61,61	0
59	MG	BA	1860	1/1	0.94	0.07	-	60,60,60,60	0
59	MG	DA	4673	1/1	0.95	0.45	-	91,91,91,91	0
59	MG	AA	3168	1/1	0.94	0.25	-	48,48,48,48	0
59	MG	DA	4448	1/1	0.67	0.23	-	95,95,95,95	0
59	MG	AF	307	1/1	0.93	0.24	-	63,63,63,63	0
59	MG	BA	2197	1/1	0.87	0.25	-	136,136,136,136	0
59	MG	DA	4037	1/1	0.78	0.22	-	81,81,81,81	0
59	MG	DA	3165	1/1	0.92	0.31	-	46,46,46,46	0
59	MG	CA	2149	1/1	0.81	0.39	-	103,103,103,103	0
59	MG	AA	3912	1/1	0.85	0.37	-	91,91,91,91	0
59	MG	BD	122	1/1	0.74	0.38	-	100,100,100,100	0
59	MG	DA	4023	1/1	0.99	0.09	-	41,41,41,41	0
59	MG	CA	2057	1/1	0.64	0.15	-	111,111,111,111	0
59	MG	DA	3527	1/1	0.94	0.12	-	46,46,46,46	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CA	2048	1/1	0.86	0.15	-	77,77,77,77	0
59	MG	DA	4951	1/1	0.48	0.33	-	102,102,102,102	0
59	MG	BA	1992	1/1	0.92	0.17	-	95,95,95,95	0
59	MG	BA	1906	1/1	0.66	0.22	-	107,107,107,107	0
59	MG	DA	4509	1/1	0.90	0.29	-	64,64,64,64	0
59	MG	CC	122	1/1	0.94	0.23	-	69,69,69,69	0
59	MG	DA	3864	1/1	0.86	0.15	-	69,69,69,69	0
59	MG	DA	5057	1/1	0.90	0.57	-	97,97,97,97	0
59	MG	CA	1777	1/1	0.88	0.32	-	49,49,49,49	0
59	MG	DA	3288	1/1	0.94	0.13	-	52,52,52,52	0
59	MG	DA	3898	1/1	0.85	0.10	-	130,130,130,130	0
59	MG	DA	5026	1/1	0.86	1.09	-	42,42,42,42	0
59	MG	AS	201	1/1	0.91	0.54	-	67,67,67,67	0
59	MG	BD	113	1/1	0.77	0.13	-	78,78,78,78	0
59	MG	DA	3321	1/1	0.94	0.29	-	34,34,34,34	0
59	MG	DA	4535	1/1	0.47	0.37	-	89,89,89,89	0
59	MG	DA	4295	1/1	0.83	0.17	-	48,48,48,48	0
59	MG	AQ	205	1/1	0.48	0.48	-	94,94,94,94	0
59	MG	AA	3350	1/1	0.84	0.12	-	36,36,36,36	0
59	MG	BD	117	1/1	0.81	0.27	-	115,115,115,115	0
59	MG	AA	3794	1/1	0.90	0.17	-	70,70,70,70	0
59	MG	AA	3113	1/1	0.53	0.21	-	85,85,85,85	0
59	MG	AA	3335	1/1	0.83	0.18	-	83,83,83,83	0
59	MG	DA	3372	1/1	0.90	0.18	-	54,54,54,54	0
59	MG	DA	4563	1/1	0.95	0.31	-	77,77,77,77	0
59	MG	BA	1907	1/1	0.92	0.15	-	56,56,56,56	0
59	MG	DA	3678	1/1	0.51	0.49	-	123,123,123,123	0
59	MG	AA	3154	1/1	0.75	0.19	-	59,59,59,59	0
59	MG	CA	1668	1/1	0.92	0.21	-	88,88,88,88	0
59	MG	DA	4286	1/1	0.95	0.24	-	49,49,49,49	0
59	MG	CA	1625	1/1	0.89	0.36	-	68,68,68,68	0
59	MG	AA	4062	1/1	0.93	0.14	-	81,81,81,81	0
59	MG	BA	1967	1/1	0.81	0.36	-	77,77,77,77	0
59	MG	AA	3135	1/1	0.90	0.20	-	19,19,19,19	0
59	MG	CA	2186	1/1	0.81	0.18	-	121,121,121,121	0
59	MG	BA	1909	1/1	0.90	0.34	-	66,66,66,66	0
59	MG	DA	3243	1/1	0.97	0.29	-	48,48,48,48	0
59	MG	CA	2265	1/1	0.90	0.10	-	64,64,64,64	0
59	MG	CA	2252	1/1	0.86	0.13	-	85,85,85,85	0
59	MG	AA	3499	1/1	0.87	0.29	-	101,101,101,101	0
59	MG	CA	1917	1/1	0.96	0.15	-	64,64,64,64	0
59	MG	BB	105	1/1	0.88	0.10	-	85,85,85,85	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	BA	2228	1/1	0.91	0.21	-	98,98,98,98	0
59	MG	AA	3922	1/1	0.61	0.46	-	65,65,65,65	0
59	MG	DO	213	1/1	0.96	0.29	-	96,96,96,96	0
59	MG	AA	3127	1/1	0.93	0.09	-	46,46,46,46	0
59	MG	CA	1742	1/1	0.93	0.13	-	40,40,40,40	0
59	MG	BA	2048	1/1	0.95	0.28	-	95,95,95,95	0
59	MG	AA	4109	1/1	0.83	0.13	-	81,81,81,81	0
59	MG	BC	102	1/1	0.92	0.10	-	78,78,78,78	0
59	MG	DA	4772	1/1	0.99	0.11	-	46,46,46,46	0
59	MG	DA	4511	1/1	0.92	0.15	-	90,90,90,90	0
59	MG	BA	1689	1/1	0.88	0.07	-	64,64,64,64	0
59	MG	DA	4882	1/1	0.98	0.16	-	74,74,74,74	0
59	MG	DA	3389	1/1	0.96	0.20	-	48,48,48,48	0
59	MG	DA	3696	1/1	0.97	0.15	-	19,19,19,19	0
59	MG	DA	3940	1/1	0.90	0.24	-	64,64,64,64	0
59	MG	AA	3962	1/1	0.92	0.31	-	57,57,57,57	0
59	MG	DA	3462	1/1	0.85	0.28	-	56,56,56,56	0
59	MG	DA	3869	1/1	0.92	0.25	-	83,83,83,83	0
59	MG	CA	2068	1/1	0.96	0.12	-	89,89,89,89	0
59	MG	DA	3380	1/1	0.99	0.13	-	55,55,55,55	0
59	MG	AA	4074	1/1	0.86	0.22	-	94,94,94,94	0
59	MG	AA	3126	1/1	0.97	0.22	-	58,58,58,58	0
59	MG	DA	5007	1/1	0.92	0.45	-	82,82,82,82	0
59	MG	BA	2068	1/1	0.76	0.47	-	90,90,90,90	0
59	MG	CA	2100	1/1	0.94	0.17	-	40,40,40,40	0
59	MG	AB	219	1/1	0.73	0.15	-	75,75,75,75	0
59	MG	AA	3946	1/1	0.74	0.07	-	98,98,98,98	0
59	MG	DA	4132	1/1	0.93	0.31	-	40,40,40,40	0
59	MG	DA	3424	1/1	0.87	0.12	-	47,47,47,47	0
59	MG	DA	3773	1/1	0.63	0.23	-	70,70,70,70	0
59	MG	BA	1765	1/1	0.83	0.17	-	82,82,82,82	0
59	MG	AA	3329	1/1	0.87	0.12	-	66,66,66,66	0
59	MG	DT	103	1/1	0.98	0.21	-	40,40,40,40	0
59	MG	BA	1859	1/1	0.70	0.50	-	146,146,146,146	0
59	MG	AA	3140	1/1	0.98	0.21	-	57,57,57,57	0
59	MG	BA	1863	1/1	0.91	0.05	-	81,81,81,81	0
59	MG	CA	1630	1/1	0.96	0.14	-	52,52,52,52	0
59	MG	DA	4860	1/1	0.86	0.26	-	64,64,64,64	0
59	MG	AA	4047	1/1	0.93	0.10	-	59,59,59,59	0
59	MG	DA	3355	1/1	0.93	0.30	-	64,64,64,64	0
59	MG	DA	3498	1/1	0.82	0.22	-	44,44,44,44	0
59	MG	DA	4720	1/1	0.87	0.13	-	88,88,88,88	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4111	1/1	0.99	0.09	-	54,54,54,54	0
59	MG	DA	3138	1/1	0.94	0.21	-	44,44,44,44	0
59	MG	CA	1670	1/1	0.97	0.36	-	46,46,46,46	0
59	MG	CC	115	1/1	0.76	0.33	-	69,69,69,69	0
59	MG	AA	4019	1/1	0.56	0.38	-	99,99,99,99	0
59	MG	DA	4396	1/1	0.90	0.47	-	85,85,85,85	0
59	MG	CA	2219	1/1	0.84	0.22	-	57,57,57,57	0
59	MG	DA	4323	1/1	0.95	0.21	-	56,56,56,56	0
59	MG	DA	3785	1/1	0.95	0.17	-	88,88,88,88	0
59	MG	DA	4202	1/1	0.93	0.42	-	69,69,69,69	0
59	MG	DA	4647	1/1	0.96	0.31	-	84,84,84,84	0
59	MG	DA	4512	1/1	0.74	0.67	-	100,100,100,100	0
59	MG	DA	4641	1/1	0.25	0.68	-	134,134,134,134	0
59	MG	AA	3160	1/1	0.64	0.21	-	64,64,64,64	0
59	MG	DA	3906	1/1	0.75	0.16	-	90,90,90,90	0
59	MG	CA	1807	1/1	0.91	0.18	-	63,63,63,63	0
59	MG	DA	3801	1/1	0.93	0.63	-	96,96,96,96	0
59	MG	CA	1923	1/1	0.97	0.13	-	48,48,48,48	0
59	MG	BA	1921	1/1	0.95	0.09	-	85,85,85,85	0
59	MG	DA	4604	1/1	0.87	0.17	-	111,111,111,111	0
59	MG	D0	201	1/1	0.94	0.30	-	37,37,37,37	0
59	MG	DA	4479	1/1	0.98	0.07	-	50,50,50,50	0
59	MG	DA	3804	1/1	0.97	0.27	-	36,36,36,36	0
59	MG	CA	2131	1/1	0.95	0.20	-	61,61,61,61	0
59	MG	DA	3514	1/1	0.83	0.32	-	94,94,94,94	0
59	MG	BA	2224	1/1	0.80	0.20	-	83,83,83,83	0
59	MG	BA	2074	1/1	0.96	0.45	-	77,77,77,77	0
59	MG	AA	3561	1/1	0.80	0.15	-	45,45,45,45	0
59	MG	DA	4710	1/1	0.94	0.22	-	102,102,102,102	0
59	MG	DA	4992	1/1	0.92	0.26	-	88,88,88,88	0
59	MG	D8	109	1/1	0.94	0.15	-	69,69,69,69	0
59	MG	DA	3166	1/1	0.91	0.29	-	56,56,56,56	0
59	MG	DA	4757	1/1	0.77	0.17	-	46,46,46,46	0
59	MG	DA	3644	1/1	0.87	0.35	-	84,84,84,84	0
59	MG	DA	4947	1/1	0.86	0.33	-	87,87,87,87	0
59	MG	AA	3122	1/1	0.69	0.18	-	73,73,73,73	0
59	MG	DA	3745	1/1	0.79	0.31	-	49,49,49,49	0
59	MG	A8	102	1/1	0.74	0.20	-	68,68,68,68	0
59	MG	AA	3669	1/1	0.96	0.13	-	44,44,44,44	0
59	MG	BA	2206	1/1	0.74	0.16	-	106,106,106,106	0
59	MG	DA	3859	1/1	0.74	0.31	-	92,92,92,92	0
59	MG	DA	3995	1/1	0.91	0.29	-	71,71,71,71	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3827	1/1	0.84	0.21	-	62,62,62,62	0
59	MG	DA	3862	1/1	0.89	0.16	-	71,71,71,71	0
59	MG	AA	3753	1/1	0.65	0.17	-	91,91,91,91	0
59	MG	AA	3715	1/1	0.93	0.08	-	47,47,47,47	0
59	MG	DA	3806	1/1	0.95	0.25	-	55,55,55,55	0
59	MG	DA	5031	1/1	0.88	0.35	-	68,68,68,68	0
59	MG	BA	2162	1/1	0.82	0.12	-	115,115,115,115	0
59	MG	AA	4165	1/1	0.97	0.10	-	64,64,64,64	0
59	MG	DA	3746	1/1	0.92	0.18	-	36,36,36,36	0
59	MG	DA	3510	1/1	0.93	0.43	-	56,56,56,56	0
59	MG	CA	2036	1/1	0.96	0.05	-	83,83,83,83	0
59	MG	CB	102	1/1	0.94	0.10	-	65,65,65,65	0
59	MG	DA	4999	1/1	0.94	0.24	-	74,74,74,74	0
59	MG	DA	3932	1/1	0.94	0.20	-	53,53,53,53	0
59	MG	CA	2182	1/1	0.85	0.24	-	78,78,78,78	0
59	MG	AB	225	1/1	0.65	0.16	-	125,125,125,125	0
59	MG	DA	3688	1/1	0.97	0.23	-	42,42,42,42	0
59	MG	BC	107	1/1	0.92	0.31	-	65,65,65,65	0
59	MG	BA	1808	1/1	0.89	0.17	-	70,70,70,70	0
59	MG	AA	3422	1/1	0.79	0.14	-	73,73,73,73	0
59	MG	BA	1681	1/1	0.93	0.17	-	43,43,43,43	0
59	MG	DA	4969	1/1	0.96	0.10	-	75,75,75,75	0
59	MG	DA	3538	1/1	0.85	0.20	-	79,79,79,79	0
59	MG	BA	1674	1/1	0.92	0.11	-	45,45,45,45	0
59	MG	DA	4689	1/1	0.93	0.12	-	67,67,67,67	0
59	MG	BA	1715	1/1	0.89	0.28	-	75,75,75,75	0
59	MG	BA	1644	1/1	0.55	0.39	-	102,102,102,102	0
59	MG	DA	4901	1/1	0.88	0.33	-	84,84,84,84	0
59	MG	BA	2016	1/1	0.95	0.10	-	78,78,78,78	0
59	MG	DA	3328	1/1	0.94	0.12	-	56,56,56,56	0
59	MG	DA	3045	1/1	0.97	0.28	-	23,23,23,23	0
59	MG	DA	4041	1/1	0.85	0.32	-	101,101,101,101	0
59	MG	BC	104	1/1	0.97	0.15	-	45,45,45,45	0
59	MG	AG	203	1/1	0.79	0.16	-	97,97,97,97	0
59	MG	DA	4144	1/1	0.99	0.30	-	45,45,45,45	0
59	MG	CA	1916	1/1	0.81	0.11	-	61,61,61,61	0
59	MG	CB	111	1/1	0.93	0.15	-	54,54,54,54	0
59	MG	AA	3910	1/1	0.83	0.12	-	76,76,76,76	0
59	MG	CA	2001	1/1	0.98	0.22	-	75,75,75,75	0
59	MG	AA	3492	1/1	0.98	0.06	-	48,48,48,48	0
59	MG	DA	4099	1/1	0.89	0.10	-	55,55,55,55	0
59	MG	DA	4506	1/1	0.88	0.30	-	65,65,65,65	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3812	1/1	0.78	0.21	-	83,83,83,83	0
59	MG	BD	105	1/1	0.75	0.31	-	87,87,87,87	0
59	MG	DU	203	1/1	0.96	0.17	-	45,45,45,45	0
59	MG	DA	3275	1/1	0.89	0.42	-	64,64,64,64	0
59	MG	AA	3709	1/1	0.97	0.20	-	66,66,66,66	0
59	MG	CA	1849	1/1	0.85	0.20	-	75,75,75,75	0
59	MG	DA	5047	1/1	0.85	0.32	-	79,79,79,79	0
59	MG	DA	3939	1/1	0.94	0.12	-	47,47,47,47	0
59	MG	CA	2317	1/1	0.76	0.20	-	104,104,104,104	0
59	MG	AD	305	1/1	0.95	0.25	-	53,53,53,53	0
59	MG	BA	2145	1/1	0.93	0.20	-	96,96,96,96	0
59	MG	DA	4376	1/1	0.82	0.20	-	60,60,60,60	0
59	MG	CA	1718	1/1	0.91	0.30	-	60,60,60,60	0
59	MG	AA	4083	1/1	0.79	0.16	-	74,74,74,74	0
59	MG	DA	4950	1/1	0.95	0.28	-	125,125,125,125	0
59	MG	DA	3429	1/1	0.94	0.30	-	30,30,30,30	0
59	MG	DA	4858	1/1	0.97	0.27	-	69,69,69,69	0
59	MG	BA	1885	1/1	0.96	0.25	-	44,44,44,44	0
59	MG	AA	3137	1/1	0.92	0.23	-	25,25,25,25	0
59	MG	DA	3628	1/1	0.48	0.35	-	92,92,92,92	0
59	MG	DW	105	1/1	0.78	0.21	-	81,81,81,81	0
59	MG	AA	3214	1/1	0.94	0.12	-	56,56,56,56	0
59	MG	DA	4705	1/1	0.81	0.58	-	93,93,93,93	0
59	MG	AA	3692	1/1	0.72	0.26	-	85,85,85,85	0
59	MG	DA	4149	1/1	0.73	0.30	-	70,70,70,70	0
59	MG	DA	5046	1/1	0.71	0.20	-	77,77,77,77	0
59	MG	DA	3533	1/1	0.96	0.14	-	47,47,47,47	0
59	MG	BA	1854	1/1	0.80	0.39	-	84,84,84,84	0
59	MG	AA	3582	1/1	0.96	0.28	-	54,54,54,54	0
59	MG	DS	201	1/1	0.70	0.32	-	88,88,88,88	0
59	MG	DA	4195	1/1	0.94	0.39	-	66,66,66,66	0
59	MG	DA	4326	1/1	0.90	0.27	-	56,56,56,56	0
59	MG	BA	1613	1/1	0.95	0.44	-	84,84,84,84	0
59	MG	DA	3385	1/1	0.78	0.27	-	85,85,85,85	0
59	MG	BA	2056	1/1	0.93	0.27	-	69,69,69,69	0
59	MG	AA	3840	1/1	0.94	0.11	-	77,77,77,77	0
59	MG	AA	3555	1/1	0.96	0.15	-	60,60,60,60	0
59	MG	DA	4227	1/1	0.88	0.08	-	51,51,51,51	0
59	MG	CA	2012	1/1	0.93	0.25	-	69,69,69,69	0
59	MG	DA	4005	1/1	0.91	0.37	-	84,84,84,84	0
59	MG	DA	4162	1/1	0.99	0.28	-	59,59,59,59	0
59	MG	DA	3674	1/1	0.76	0.16	-	62,62,62,62	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	4797	1/1	0.96	0.28	-	88,88,88,88	0
59	MG	AA	3644	1/1	0.91	0.10	-	56,56,56,56	0
59	MG	DA	4166	1/1	0.92	0.32	-	41,41,41,41	0
59	MG	AA	3361	1/1	0.54	0.19	-	93,93,93,93	0
59	MG	AA	3759	1/1	0.97	0.09	-	59,59,59,59	0
59	MG	CK	202	1/1	0.87	0.24	-	79,79,79,79	0
59	MG	DA	3291	1/1	0.91	0.34	-	59,59,59,59	0
59	MG	DA	4120	1/1	0.94	0.10	-	48,48,48,48	0
59	MG	DA	3933	1/1	0.88	0.36	-	113,113,113,113	0
59	MG	DA	4746	1/1	0.65	0.18	-	98,98,98,98	0
59	MG	BA	2198	1/1	0.53	0.76	-	139,139,139,139	0
59	MG	CA	1943	1/1	0.91	0.34	-	73,73,73,73	0
59	MG	CA	1963	1/1	0.81	0.11	-	71,71,71,71	0
59	MG	CG	306	1/1	0.87	0.11	-	124,124,124,124	0
59	MG	DA	4514	1/1	0.92	0.27	-	80,80,80,80	0
59	MG	DA	3576	1/1	0.79	0.43	-	102,102,102,102	0
59	MG	AA	4090	1/1	0.87	0.11	-	78,78,78,78	0
59	MG	DA	5060	1/1	0.85	0.20	-	64,64,64,64	0
59	MG	DA	5075	1/1	0.97	0.28	-	50,50,50,50	0
59	MG	DD	302	1/1	0.91	0.35	-	58,58,58,58	0
59	MG	AB	205	1/1	0.98	0.07	-	54,54,54,54	0
59	MG	AA	3260	1/1	0.96	0.19	-	44,44,44,44	0
59	MG	AA	3845	1/1	0.93	0.11	-	54,54,54,54	0
59	MG	CA	1851	1/1	0.84	0.10	-	100,100,100,100	0
59	MG	DA	4966	1/1	0.93	0.14	-	64,64,64,64	0
59	MG	DA	4175	1/1	0.94	0.29	-	59,59,59,59	0
59	MG	DA	4223	1/1	0.81	0.20	-	60,60,60,60	0
59	MG	CA	1908	1/1	0.95	0.26	-	61,61,61,61	0
59	MG	CA	2030	1/1	0.75	0.22	-	72,72,72,72	0
59	MG	CF	301	1/1	0.80	0.24	-	75,75,75,75	0
59	MG	DA	4551	1/1	0.83	0.32	-	118,118,118,118	0
59	MG	DA	4897	1/1	0.91	0.22	-	76,76,76,76	0
59	MG	AA	3375	1/1	0.95	0.32	-	61,61,61,61	0
59	MG	CA	2183	1/1	0.96	0.07	-	62,62,62,62	0
59	MG	AA	3488	1/1	0.95	0.15	-	68,68,68,68	0
59	MG	DA	4079	1/1	0.86	0.25	-	66,66,66,66	0
59	MG	DA	4346	1/1	0.97	0.21	-	44,44,44,44	0
59	MG	DA	5061	1/1	0.89	0.32	-	71,71,71,71	0
59	MG	BA	1984	1/1	0.81	0.09	-	84,84,84,84	0
59	MG	CA	2208	1/1	0.78	0.15	-	81,81,81,81	0
59	MG	DA	3816	1/1	0.89	0.47	-	89,89,89,89	0
59	MG	DO	204	1/1	0.96	0.30	-	44,44,44,44	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	CK	207	1/1	0.63	0.30	-	80,80,80,80	0
59	MG	CA	2224	1/1	0.73	0.17	-	83,83,83,83	0
59	MG	DA	3984	1/1	0.59	0.41	-	117,117,117,117	0
59	MG	DA	3583	1/1	0.99	0.21	-	3,3,3,3	0
59	MG	AA	3225	1/1	0.89	0.11	-	18,18,18,18	0
59	MG	CA	2264	1/1	0.90	0.27	-	77,77,77,77	0
59	MG	DA	4530	1/1	0.91	0.18	-	72,72,72,72	0
59	MG	CD	129	1/1	0.56	0.25	-	95,95,95,95	0
59	MG	DA	4229	1/1	0.89	0.22	-	48,48,48,48	0
59	MG	DD	310	1/1	0.92	0.45	-	64,64,64,64	0
59	MG	CD	117	1/1	0.92	0.18	-	58,58,58,58	0
59	MG	DA	3415	1/1	0.94	0.45	-	49,49,49,49	0
59	MG	AB	227	1/1	0.77	0.28	-	82,82,82,82	0
59	MG	AA	3800	1/1	0.89	0.10	-	55,55,55,55	0
59	MG	BA	1970	1/1	0.96	0.16	-	141,141,141,141	0
59	MG	BG	301	1/1	0.79	0.08	-	67,67,67,67	0
59	MG	DA	3359	1/1	0.93	0.29	-	43,43,43,43	0
59	MG	BA	2239	1/1	0.97	0.13	-	63,63,63,63	0
59	MG	DA	4178	1/1	0.94	0.40	-	61,61,61,61	0
59	MG	AA	3802	1/1	0.91	0.26	-	78,78,78,78	0
59	MG	DA	3440	1/1	0.97	0.13	-	57,57,57,57	0
59	MG	AA	3921	1/1	0.92	0.09	-	44,44,44,44	0
59	MG	BA	2276	1/1	0.74	0.41	-	128,128,128,128	0
59	MG	BD	103	1/1	0.82	0.17	-	58,58,58,58	0
59	MG	DA	4555	1/1	0.96	0.10	-	43,43,43,43	0
59	MG	DU	205	1/1	0.84	0.34	-	75,75,75,75	0
59	MG	BA	1855	1/1	0.98	0.23	-	76,76,76,76	0
59	MG	AA	3687	1/1	0.94	0.17	-	43,43,43,43	0
59	MG	BC	111	1/1	0.90	0.08	-	63,63,63,63	0
59	MG	DA	5028	1/1	0.88	0.18	-	66,66,66,66	0
59	MG	DA	3339	1/1	0.96	0.12	-	68,68,68,68	0
59	MG	BA	2180	1/1	0.91	0.33	-	88,88,88,88	0
59	MG	BA	1866	1/1	0.35	0.31	-	111,111,111,111	0
59	MG	AA	3772	1/1	0.87	0.15	-	103,103,103,103	0
59	MG	BA	1986	1/1	0.89	0.09	-	78,78,78,78	0
59	MG	CB	106	1/1	0.80	0.35	-	97,97,97,97	0
59	MG	BA	1957	1/1	0.85	0.41	-	80,80,80,80	0
59	MG	DA	4486	1/1	0.82	0.14	-	63,63,63,63	0
59	MG	BA	1717	1/1	0.94	0.17	-	55,55,55,55	0
59	MG	BA	1917	1/1	0.43	0.17	-	64,64,64,64	0
59	MG	BS	103	1/1	0.73	0.20	-	83,83,83,83	0
59	MG	AA	3804	1/1	0.82	0.15	-	94,94,94,94	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3355	1/1	0.94	0.34	-	48,48,48,48	0
59	MG	DA	3343	1/1	0.84	0.36	-	58,58,58,58	0
59	MG	DA	3743	1/1	0.90	0.40	-	65,65,65,65	0
59	MG	DA	4734	1/1	0.84	0.39	-	71,71,71,71	0
59	MG	CA	2138	1/1	0.87	0.42	-	91,91,91,91	0
59	MG	DA	3312	1/1	0.94	0.34	-	49,49,49,49	0
59	MG	DA	3555	1/1	0.96	0.14	-	49,49,49,49	0
59	MG	DA	4435	1/1	0.97	0.14	-	53,53,53,53	0
59	MG	DA	4366	1/1	0.73	0.22	-	62,62,62,62	0
59	MG	AA	3963	1/1	0.88	0.20	-	62,62,62,62	0
59	MG	AA	3625	1/1	0.91	0.20	-	64,64,64,64	0
59	MG	AA	3158	1/1	0.96	0.21	-	55,55,55,55	0
59	MG	DA	4944	1/1	0.93	0.22	-	56,56,56,56	0
59	MG	BA	2183	1/1	0.71	0.20	-	107,107,107,107	0
59	MG	CA	1755	1/1	0.81	0.22	-	75,75,75,75	0
59	MG	DA	5021	1/1	0.96	0.15	-	112,112,112,112	0
59	MG	BA	2124	1/1	0.66	0.18	-	72,72,72,72	0
59	MG	CA	2304	1/1	0.44	0.57	-	124,124,124,124	0
59	MG	CA	1617	1/1	0.86	0.18	-	33,33,33,33	0
59	MG	AA	3767	1/1	0.69	0.24	-	78,78,78,78	0
59	MG	BW	208	1/1	0.82	0.19	-	62,62,62,62	0
59	MG	DA	4363	1/1	0.92	0.13	-	42,42,42,42	0
59	MG	DA	4945	1/1	0.89	0.25	-	78,78,78,78	0
59	MG	AA	3934	1/1	0.80	0.19	-	93,93,93,93	0
59	MG	DA	3490	1/1	0.66	0.36	-	64,64,64,64	0
59	MG	AA	3995	1/1	0.72	0.33	-	103,103,103,103	0
59	MG	CC	112	1/1	0.84	0.13	-	63,63,63,63	0
59	MG	DA	4112	1/1	0.97	0.08	-	45,45,45,45	0
59	MG	BA	1710	1/1	0.56	0.34	-	90,90,90,90	0
59	MG	DA	4593	1/1	0.54	0.28	-	65,65,65,65	0
59	MG	AA	4050	1/1	0.85	0.09	-	70,70,70,70	0
59	MG	BA	1844	1/1	0.95	0.17	-	118,118,118,118	0
59	MG	AA	4004	1/1	0.66	0.28	-	78,78,78,78	0
59	MG	CA	1735	1/1	0.96	0.12	-	42,42,42,42	0
59	MG	DA	3667	1/1	0.96	0.27	-	74,74,74,74	0
59	MG	AA	3782	1/1	0.93	0.43	-	101,101,101,101	0
59	MG	DA	3335	1/1	0.95	0.15	-	32,32,32,32	0
59	MG	AA	4096	1/1	0.86	0.39	-	114,114,114,114	0
59	MG	DA	4645	1/1	0.89	0.21	-	59,59,59,59	0
59	MG	BA	2120	1/1	0.82	0.10	-	67,67,67,67	0
59	MG	BA	2093	1/1	0.81	0.36	-	106,106,106,106	0
59	MG	DA	4436	1/1	0.93	0.06	-	76,76,76,76	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DB	213	1/1	0.87	0.27	-	64,64,64,64	0
59	MG	AA	3320	1/1	0.85	0.20	-	69,69,69,69	0
59	MG	AA	3363	1/1	0.79	0.27	-	74,74,74,74	0
59	MG	BA	2017	1/1	0.87	0.47	-	85,85,85,85	0
59	MG	DA	4837	1/1	0.85	0.18	-	55,55,55,55	0
59	MG	DA	3944	1/1	0.96	0.10	-	72,72,72,72	0
59	MG	CC	109	1/1	0.77	0.19	-	49,49,49,49	0
59	MG	AA	3505	1/1	0.92	0.16	-	55,55,55,55	0
59	MG	DA	4771	1/1	0.77	0.60	-	92,92,92,92	0
59	MG	CA	1983	1/1	0.93	0.33	-	43,43,43,43	0
59	MG	AA	4045	1/1	0.93	0.10	-	57,57,57,57	0
59	MG	DF	317	1/1	0.94	0.09	-	64,64,64,64	0
59	MG	AA	3262	1/1	0.91	0.20	-	76,76,76,76	0
59	MG	AA	4136	1/1	0.91	0.27	-	71,71,71,71	0
59	MG	AA	3702	1/1	0.94	0.17	-	62,62,62,62	0
59	MG	DA	3885	1/1	0.92	0.11	-	57,57,57,57	0
59	MG	CA	1680	1/1	0.84	0.23	-	40,40,40,40	0
59	MG	CA	2229	1/1	0.96	0.10	-	109,109,109,109	0
59	MG	DA	4347	1/1	0.85	0.23	-	58,58,58,58	0
59	MG	DA	4427	1/1	0.91	0.15	-	53,53,53,53	0
59	MG	DA	4891	1/1	0.95	0.32	-	86,86,86,86	0
59	MG	AA	3300	1/1	0.97	0.28	-	38,38,38,38	0
59	MG	BA	1920	1/1	0.77	0.26	-	86,86,86,86	0
59	MG	CH	202	1/1	0.80	0.12	-	62,62,62,62	0
59	MG	CA	2101	1/1	0.88	0.15	-	68,68,68,68	0
59	MG	BA	2139	1/1	0.71	0.11	-	82,82,82,82	0
59	MG	AA	3730	1/1	0.95	0.09	-	58,58,58,58	0
59	MG	DA	3265	1/1	0.95	0.34	-	47,47,47,47	0
59	MG	DA	3581	1/1	0.66	0.32	-	91,91,91,91	0
59	MG	BA	1663	1/1	0.61	0.16	-	94,94,94,94	0
59	MG	BA	2061	1/1	0.95	0.32	-	70,70,70,70	0
59	MG	AA	3252	1/1	0.89	0.19	-	38,38,38,38	0
59	MG	DA	4723	1/1	0.71	0.17	-	71,71,71,71	0
59	MG	AA	4079	1/1	0.74	0.21	-	92,92,92,92	0
59	MG	CA	1785	1/1	0.92	0.29	-	63,63,63,63	0
59	MG	AA	3487	1/1	0.97	0.14	-	72,72,72,72	0
59	MG	AA	3085	1/1	0.96	0.07	-	29,29,29,29	0
59	MG	CA	1723	1/1	0.94	0.19	-	61,61,61,61	0
59	MG	DA	4695	1/1	0.92	0.14	-	52,52,52,52	0
59	MG	BA	2137	1/1	0.60	0.12	-	119,119,119,119	0
59	MG	DB	230	1/1	0.92	0.56	-	87,87,87,87	0
59	MG	DA	3662	1/1	0.90	0.25	-	73,73,73,73	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	3208	1/1	0.91	0.17	-	30,30,30,30	0
59	MG	DA	3973	1/1	0.99	0.13	-	60,60,60,60	0
59	MG	DA	3724	1/1	0.96	0.29	-	45,45,45,45	0
59	MG	AA	3724	1/1	0.82	0.23	-	65,65,65,65	0
59	MG	DA	3782	1/1	0.98	0.10	-	38,38,38,38	0
59	MG	DA	4643	1/1	0.96	0.21	-	59,59,59,59	0
59	MG	DA	3268	1/1	0.82	0.26	-	50,50,50,50	0
59	MG	AA	3542	1/1	0.72	0.19	-	54,54,54,54	0
59	MG	CA	1637	1/1	0.90	0.26	-	45,45,45,45	0
59	MG	DA	4050	1/1	0.85	0.21	-	66,66,66,66	0
59	MG	CA	1669	1/1	0.94	0.21	-	40,40,40,40	0
59	MG	BA	1933	1/1	0.85	0.29	-	63,63,63,63	0
59	MG	DA	3062	1/1	0.97	0.21	-	19,19,19,19	0
59	MG	DA	3878	1/1	0.93	0.26	-	60,60,60,60	0
59	MG	BB	103	1/1	0.93	0.11	-	77,77,77,77	0
59	MG	DA	3612	1/1	0.97	0.15	-	64,64,64,64	0
59	MG	AA	4100	1/1	0.81	0.07	-	103,103,103,103	0
59	MG	DA	4171	1/1	0.94	0.14	-	45,45,45,45	0
59	MG	CA	1771	1/1	0.90	0.21	-	44,44,44,44	0
59	MG	DA	4418	1/1	0.80	0.30	-	96,96,96,96	0
59	MG	DA	5013	1/1	0.78	0.15	-	54,54,54,54	0
59	MG	DA	4924	1/1	0.79	0.18	-	75,75,75,75	0
59	MG	CM	202	1/1	0.92	0.23	-	86,86,86,86	0
59	MG	CA	1728	1/1	0.88	0.32	-	76,76,76,76	0
59	MG	AA	4023	1/1	0.77	0.12	-	73,73,73,73	0
59	MG	A8	103	1/1	0.90	0.13	-	62,62,62,62	0
59	MG	DA	4463	1/1	0.97	0.22	-	62,62,62,62	0
59	MG	AB	235	1/1	0.92	0.08	-	81,81,81,81	0
59	MG	BA	1898	1/1	0.87	0.15	-	49,49,49,49	0
59	MG	DA	4601	1/1	0.93	0.20	-	88,88,88,88	0
59	MG	DA	4478	1/1	0.83	0.23	-	65,65,65,65	0
59	MG	BA	1927	1/1	0.77	0.20	-	51,51,51,51	0
59	MG	BA	1775	1/1	0.90	0.38	-	93,93,93,93	0
59	MG	DA	3504	1/1	0.97	0.26	-	30,30,30,30	0
59	MG	DA	4114	1/1	0.96	0.21	-	61,61,61,61	0
59	MG	DS	202	1/1	0.82	0.24	-	71,71,71,71	0
59	MG	DA	4764	1/1	0.90	0.49	-	85,85,85,85	0
59	MG	BA	1641	1/1	0.97	0.14	-	53,53,53,53	0
59	MG	CA	1812	1/1	0.88	0.13	-	45,45,45,45	0
59	MG	DA	3925	1/1	0.99	0.06	-	25,25,25,25	0
59	MG	AA	3743	1/1	0.77	0.43	-	71,71,71,71	0
59	MG	DU	202	1/1	0.96	0.13	-	17,17,17,17	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
59	MG	DA	4826	1/1	0.46	0.34	-	71,71,71,71	0
59	MG	DA	4964	1/1	0.90	0.19	-	73,73,73,73	0
59	MG	DA	4055	1/1	0.73	0.20	-	68,68,68,68	0
59	MG	DA	4505	1/1	0.84	0.27	-	97,97,97,97	0
59	MG	DA	3117	1/1	0.93	0.17	-	58,58,58,58	0
59	MG	CA	2308	1/1	0.69	0.36	-	107,107,107,107	0
59	MG	DA	3410	1/1	0.97	0.09	-	64,64,64,64	0
59	MG	CA	2039	1/1	0.99	0.11	-	66,66,66,66	0
59	MG	DH	203	1/1	0.84	0.18	-	78,78,78,78	0
59	MG	DA	4057	1/1	0.88	0.32	-	87,87,87,87	0
59	MG	DU	217	1/1	0.80	0.26	-	110,110,110,110	0
59	MG	DA	4480	1/1	0.89	0.28	-	77,77,77,77	0
59	MG	DA	3876	1/1	0.98	0.42	-	52,52,52,52	0
59	MG	CH	201	1/1	0.97	0.30	-	55,55,55,55	0
59	MG	AA	4053	1/1	0.94	0.17	-	63,63,63,63	0
59	MG	DA	4294	1/1	0.89	0.11	-	83,83,83,83	0
59	MG	CA	1839	1/1	0.97	0.13	-	55,55,55,55	0
59	MG	DA	5067	1/1	0.54	0.32	-	119,119,119,119	0
59	MG	DA	3900	1/1	0.85	0.09	-	143,143,143,143	0
59	MG	CA	2231	1/1	0.95	0.18	-	95,95,95,95	0
59	MG	AA	4134	1/1	0.29	0.11	-	117,117,117,117	0
59	MG	DA	4394	1/1	0.89	0.43	-	69,69,69,69	0
59	MG	CA	1847	1/1	0.97	0.13	-	95,95,95,95	0
59	MG	BA	2118	1/1	0.82	0.26	-	83,83,83,83	0
59	MG	DA	4349	1/1	0.87	0.31	-	77,77,77,77	0
59	MG	DA	4163	1/1	0.90	0.14	-	55,55,55,55	0
59	MG	CA	1781	1/1	0.95	0.16	-	45,45,45,45	0
59	MG	AA	3776	1/1	0.91	0.14	-	84,84,84,84	0
59	MG	DA	4744	1/1	0.78	0.30	-	70,70,70,70	0
59	MG	DV	302	1/1	0.75	0.15	-	87,87,87,87	0
59	MG	BA	2265	1/1	0.69	0.33	-	111,111,111,111	0
59	MG	DA	4257	1/1	0.95	0.20	-	59,59,59,59	0
59	MG	D5	105	1/1	0.91	0.13	-	63,63,63,63	0
59	MG	AA	3902	1/1	0.81	0.11	-	111,111,111,111	0
59	MG	CA	1841	1/1	0.71	0.11	-	85,85,85,85	0
59	MG	BA	2229	1/1	0.92	0.11	-	67,67,67,67	0
59	MG	DA	4680	1/1	0.91	0.08	-	71,71,71,71	0
59	MG	BA	1824	1/1	0.93	0.11	-	107,107,107,107	0
59	MG	AA	3974	1/1	0.88	0.12	-	65,65,65,65	0
59	MG	DA	4498	1/1	0.85	0.08	-	82,82,82,82	0
59	MG	CA	2076	1/1	0.57	0.26	-	113,113,113,113	0
59	MG	DA	3552	1/1	0.91	0.19	-	45,45,45,45	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	DA	3977	1/1	0.95	0.09	-	71,71,71,71	0
59	MG	DA	4899	1/1	0.85	0.19	-	65,65,65,65	0
59	MG	AA	4126	1/1	0.80	0.31	-	87,87,87,87	0
59	MG	DA	4089	1/1	0.91	0.12	-	63,63,63,63	0
59	MG	DA	4329	1/1	0.83	0.21	-	63,63,63,63	0
59	MG	DF	305	1/1	0.89	0.10	-	54,54,54,54	0
59	MG	DA	5059	1/1	0.91	0.19	-	66,66,66,66	0
59	MG	DA	4285	1/1	0.84	0.36	-	70,70,70,70	0
59	MG	DN	201	1/1	0.91	0.26	-	50,50,50,50	0
59	MG	BA	1814	1/1	0.78	0.12	-	115,115,115,115	0
59	MG	AA	3932	1/1	0.97	0.09	-	56,56,56,56	0
59	MG	AA	3890	1/1	0.89	0.15	-	103,103,103,103	0
59	MG	DA	3586	1/1	0.78	0.39	-	83,83,83,83	0
59	MG	D2	209	1/1	0.84	0.31	-	74,74,74,74	0
59	MG	BA	1698	1/1	0.69	0.58	-	104,104,104,104	0
59	MG	DA	3792	1/1	0.92	0.40	-	92,92,92,92	0
59	MG	DA	3920	1/1	0.86	0.21	-	50,50,50,50	0
59	MG	DA	3675	1/1	0.96	0.15	-	44,44,44,44	0
59	MG	BA	2085	1/1	0.88	0.46	-	102,102,102,102	0
59	MG	BA	2194	1/1	0.97	0.18	-	40,40,40,40	0
59	MG	AA	4036	1/1	0.73	0.10	-	68,68,68,68	0
59	MG	DA	4949	1/1	0.60	0.15	-	71,71,71,71	0
59	MG	C1	106	1/1	0.88	0.35	-	89,89,89,89	0
59	MG	AB	210	1/1	0.77	0.22	-	81,81,81,81	0
59	MG	AA	4057	1/1	0.94	0.20	-	74,74,74,74	0
59	MG	DA	3122	1/1	0.79	0.31	-	75,75,75,75	0
59	MG	DA	4386	1/1	0.85	0.18	-	49,49,49,49	0
59	MG	DA	4592	1/1	0.84	0.28	-	77,77,77,77	0
59	MG	DA	4668	1/1	0.67	0.56	-	72,72,72,72	0
59	MG	DA	3310	1/1	0.97	0.13	-	30,30,30,30	0
59	MG	DA	3442	1/1	0.96	0.14	-	45,45,45,45	0
59	MG	DA	3936	1/1	0.98	0.07	-	61,61,61,61	0
59	MG	CC	121	1/1	0.97	0.15	-	49,49,49,49	0
59	MG	CA	1834	1/1	0.75	0.09	-	67,67,67,67	0
59	MG	AA	3897	1/1	0.75	0.20	-	103,103,103,103	0
59	MG	CA	1733	1/1	0.96	0.28	-	55,55,55,55	0
59	MG	DA	4536	1/1	0.74	0.31	-	64,64,64,64	0
59	MG	DA	4419	1/1	0.98	0.14	-	57,57,57,57	0
59	MG	CA	2237	1/1	0.83	0.17	-	62,62,62,62	0
59	MG	DA	4877	1/1	0.96	0.15	-	77,77,77,77	0
59	MG	AA	3445	1/1	0.84	0.13	-	63,63,63,63	0
59	MG	BA	2112	1/1	0.59	0.25	-	101,101,101,101	0

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
59	MG	AA	4120	1/1	0.91	0.24	-	87,87,87,87	0
59	MG	DA	3528	1/1	0.82	0.14	-	45,45,45,45	0
59	MG	CA	1631	1/1	0.96	0.18	-	42,42,42,42	0
59	MG	DV	301	1/1	0.41	0.38	-	108,108,108,108	0
59	MG	DA	4036	1/1	0.91	0.19	-	55,55,55,55	0
59	MG	DA	4027	1/1	0.97	0.28	-	59,59,59,59	0
59	MG	CA	1897	1/1	0.85	0.40	-	71,71,71,71	0
59	MG	AE	303	1/1	0.98	0.23	-	39,39,39,39	0
59	MG	AA	3356	1/1	0.88	0.12	-	62,62,62,62	0
59	MG	AA	3371	1/1	0.79	0.08	-	63,63,63,63	0
59	MG	BA	2172	1/1	0.67	0.32	-	75,75,75,75	0
59	MG	BA	2167	1/1	0.59	0.18	-	101,101,101,101	0
59	MG	BA	1782	1/1	0.60	0.54	-	100,100,100,100	0
59	MG	AA	4055	1/1	0.89	0.35	-	110,110,110,110	0
59	MG	CA	1904	1/1	0.92	0.37	-	74,74,74,74	0
59	MG	DA	4852	1/1	0.80	0.28	-	142,142,142,142	0
59	MG	DA	3378	1/1	0.93	0.36	-	55,55,55,55	0
59	MG	DA	3492	1/1	0.88	0.25	-	53,53,53,53	0
59	MG	DA	4364	1/1	0.73	0.12	-	90,90,90,90	0
59	MG	BA	2173	1/1	0.88	0.13	-	98,98,98,98	0
59	MG	DA	3398	1/1	0.98	0.18	-	75,75,75,75	0
59	MG	AA	3513	1/1	0.98	0.29	-	28,28,28,28	0
59	MG	AA	3839	1/1	0.88	0.20	-	63,63,63,63	0
59	MG	AA	3366	1/1	0.87	0.09	-	53,53,53,53	0

## 6.5 Other polymers [i](#)

There are no such residues in this entry.