



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 1, 2026 – 07:29 AM UTC

PDB ID : 4V6F / pdb_00004v6f
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.

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A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

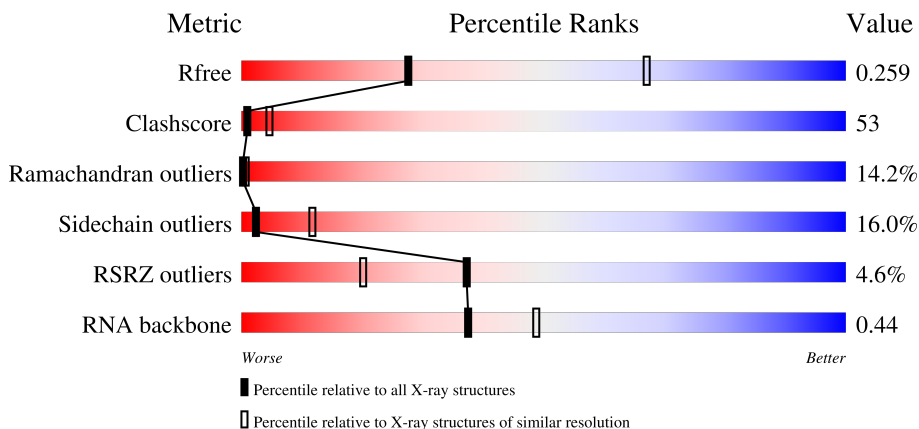
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.10 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}	180053	1456 (3.10-3.10)
Clashscore	190562	1539 (3.10-3.10)
Ramachandran outliers	187476	1467 (3.10-3.10)
Sidechain outliers	187428	1467 (3.10-3.10)
RSRZ outliers	180081	1456 (3.10-3.10)
RNA backbone	3983	1022 (3.32-2.88)

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

Mol	Chain	Length	Quality of chain
1	AA	2909	2% 22% 49% 23% 6%
2	AB	122	3% 26% 48% 24%
2	DB	122	% 34% 44% 17%
3	AD	276	2% 24% 51% 21%

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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	

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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	

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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	

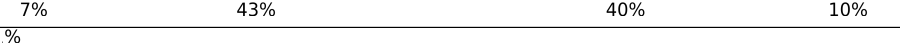
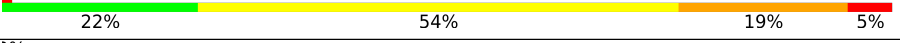
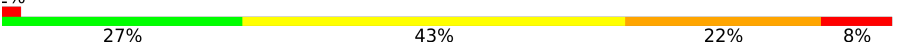
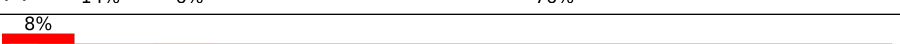
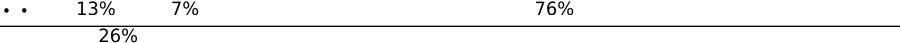
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Mol	Chain	Length	Quality of chain
41	CN	129	
42	BO	132	
42	CO	132	
43	BP	126	
43	CP	126	
44	BQ	61	
44	CQ	61	
45	BR	89	
45	CR	89	
46	BS	88	
46	CS	88	
47	BT	105	
47	CT	105	
48	BU	88	
48	CU	88	
49	BV	93	
49	CV	93	
50	BW	106	
50	CW	106	
51	BX	27	
51	CX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

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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
52	MIA	BD	37	-	-	X	-
59	MG	AA	3418	-	-	-	X
59	MG	AA	3485	-	-	-	X
59	MG	AA	3717	-	-	-	X
59	MG	AA	3877	-	-	-	X
59	MG	AA	3886	-	-	-	X
59	MG	AA	3898	-	-	-	X
59	MG	AA	3907	-	-	-	X
59	MG	AA	3979	-	-	-	X
59	MG	AA	4075	-	-	-	X
59	MG	AA	4154	-	-	-	X
59	MG	BA	1621	-	-	-	X
59	MG	BA	1698	-	-	-	X
59	MG	BA	1828	-	-	-	X
59	MG	BA	1867	-	-	-	X
59	MG	BA	2001	-	-	-	X
59	MG	BA	2188	-	-	-	X
59	MG	BA	2207	-	-	-	X
59	MG	BA	2243	-	-	-	X
59	MG	CA	1942	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	CA	1994	-	-	-	X
59	MG	CA	2092	-	-	-	X
59	MG	CA	2114	-	-	-	X
59	MG	CA	2142	-	-	-	X
59	MG	CD	118	-	-	-	X
59	MG	CK	203	-	-	-	X
59	MG	CS	104	-	-	-	X
59	MG	D0	203	-	-	-	X
59	MG	DA	3344	-	-	-	X
59	MG	DA	3647	-	-	-	X
59	MG	DA	4256	-	-	-	X
59	MG	DA	4296	-	-	-	X
59	MG	DA	4512	-	-	-	X
59	MG	DA	4698	-	-	-	X
59	MG	DB	209	-	-	-	X
59	MG	DD	310	-	-	-	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			

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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			

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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		0	0	0
			469	298	90	81				
25	DX	59	Total	C	N	O		0	0	0
			469	298	90	81				

- Molecule 26 is a protein called 50S RIBOSOMAL PROTEIN L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	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			

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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			

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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 (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	AA	1166	Total	Mg	0	0
			1166	1166		
59	AB	36	Total	Mg	0	0
			36	36		
59	AD	13	Total	Mg	0	0
			13	13		
59	AE	4	Total	Mg	0	0
			4	4		
59	AF	7	Total	Mg	0	0
			7	7		
59	AG	3	Total	Mg	0	0
			3	3		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	AH	1	Total 1	Mg 1	0	0
59	AK	3	Total 3	Mg 3	0	0
59	AN	1	Total 1	Mg 1	0	0
59	AO	7	Total 7	Mg 7	0	0
59	AP	1	Total 1	Mg 1	0	0
59	A0	1	Total 1	Mg 1	0	0
59	AQ	5	Total 5	Mg 5	0	0
59	AR	5	Total 5	Mg 5	0	0
59	A1	5	Total 5	Mg 5	0	0
59	A2	1	Total 1	Mg 1	0	0
59	AS	3	Total 3	Mg 3	0	0
59	AT	4	Total 4	Mg 4	0	0
59	AU	6	Total 6	Mg 6	0	0
59	AV	1	Total 1	Mg 1	0	0
59	A3	4	Total 4	Mg 4	0	0
59	AZ	3	Total 3	Mg 3	0	0
59	AW	2	Total 2	Mg 2	0	0
59	A5	3	Total 3	Mg 3	0	0
59	A6	2	Total 2	Mg 2	0	0
59	A7	4	Total 4	Mg 4	0	0
59	A8	4	Total 4	Mg 4	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	BA	676	Total 676	Mg 676	0	0
59	BE	5	Total 5	Mg 5	0	0
59	BF	2	Total 2	Mg 2	0	0
59	BG	7	Total 7	Mg 7	0	0
59	BH	5	Total 5	Mg 5	0	0
59	BI	1	Total 1	Mg 1	0	0
59	BK	6	Total 6	Mg 6	0	0
59	BL	2	Total 2	Mg 2	0	0
59	BM	3	Total 3	Mg 3	0	0
59	BO	1	Total 1	Mg 1	0	0
59	BP	2	Total 2	Mg 2	0	0
59	BQ	3	Total 3	Mg 3	0	0
59	BS	9	Total 9	Mg 9	0	0
59	BT	2	Total 2	Mg 2	0	0
59	BU	1	Total 1	Mg 1	0	0
59	BV	1	Total 1	Mg 1	0	0
59	BW	8	Total 8	Mg 8	0	0
59	BX	1	Total 1	Mg 1	0	0
59	BD	26	Total 26	Mg 26	0	0
59	BB	13	Total 13	Mg 13	0	0
59	BC	16	Total 16	Mg 16	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	B1	4	Total 4	Mg 4	0	0
59	CA	724	Total 724	Mg 724	0	0
59	CE	6	Total 6	Mg 6	0	0
59	CF	3	Total 3	Mg 3	0	0
59	CG	11	Total 11	Mg 11	0	0
59	CH	6	Total 6	Mg 6	0	0
59	CI	1	Total 1	Mg 1	0	0
59	CJ	1	Total 1	Mg 1	0	0
59	CK	11	Total 11	Mg 11	0	0
59	CL	1	Total 1	Mg 1	0	0
59	CM	3	Total 3	Mg 3	0	0
59	CN	2	Total 2	Mg 2	0	0
59	CP	3	Total 3	Mg 3	0	0
59	CQ	3	Total 3	Mg 3	0	0
59	CR	3	Total 3	Mg 3	0	0
59	CS	6	Total 6	Mg 6	0	0
59	CT	3	Total 3	Mg 3	0	0
59	CV	4	Total 4	Mg 4	0	0
59	CW	1	Total 1	Mg 1	0	0
59	CD	30	Total 30	Mg 30	0	0
59	CB	21	Total 21	Mg 21	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	CC	27	Total 27	Mg 27	0	0
59	C1	6	Total 6	Mg 6	0	0
59	DA	2077	Total 2077	Mg 2077	0	0
59	DB	76	Total 76	Mg 76	0	0
59	DD	14	Total 14	Mg 14	0	0
59	DE	15	Total 15	Mg 15	0	0
59	DF	25	Total 25	Mg 25	0	0
59	DG	5	Total 5	Mg 5	0	0
59	DH	5	Total 5	Mg 5	0	0
59	DK	2	Total 2	Mg 2	0	0
59	DY	4	Total 4	Mg 4	0	0
59	DL	1	Total 1	Mg 1	0	0
59	DM	6	Total 6	Mg 6	0	0
59	DN	2	Total 2	Mg 2	0	0
59	DO	18	Total 18	Mg 18	0	0
59	DP	4	Total 4	Mg 4	0	0
59	D0	11	Total 11	Mg 11	0	0
59	DQ	2	Total 2	Mg 2	0	0
59	DR	4	Total 4	Mg 4	0	0
59	D1	12	Total 12	Mg 12	0	0
59	D2	10	Total 10	Mg 10	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	DS	8	Total 8	Mg 8	0	0
59	DT	7	Total 7	Mg 7	0	0
59	DU	19	Total 19	Mg 19	0	0
59	DV	5	Total 5	Mg 5	0	0
59	D3	7	Total 7	Mg 7	0	0
59	DZ	5	Total 5	Mg 5	0	0
59	DW	7	Total 7	Mg 7	0	0
59	DX	2	Total 2	Mg 2	0	0
59	D4	2	Total 2	Mg 2	0	0
59	D5	8	Total 8	Mg 8	0	0
59	D6	3	Total 3	Mg 3	0	0
59	D7	5	Total 5	Mg 5	0	0
59	D8	9	Total 9	Mg 9	0	0

- Molecule 60 is ZINC ION (CCD ID: ZN) (formula: Zn).

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

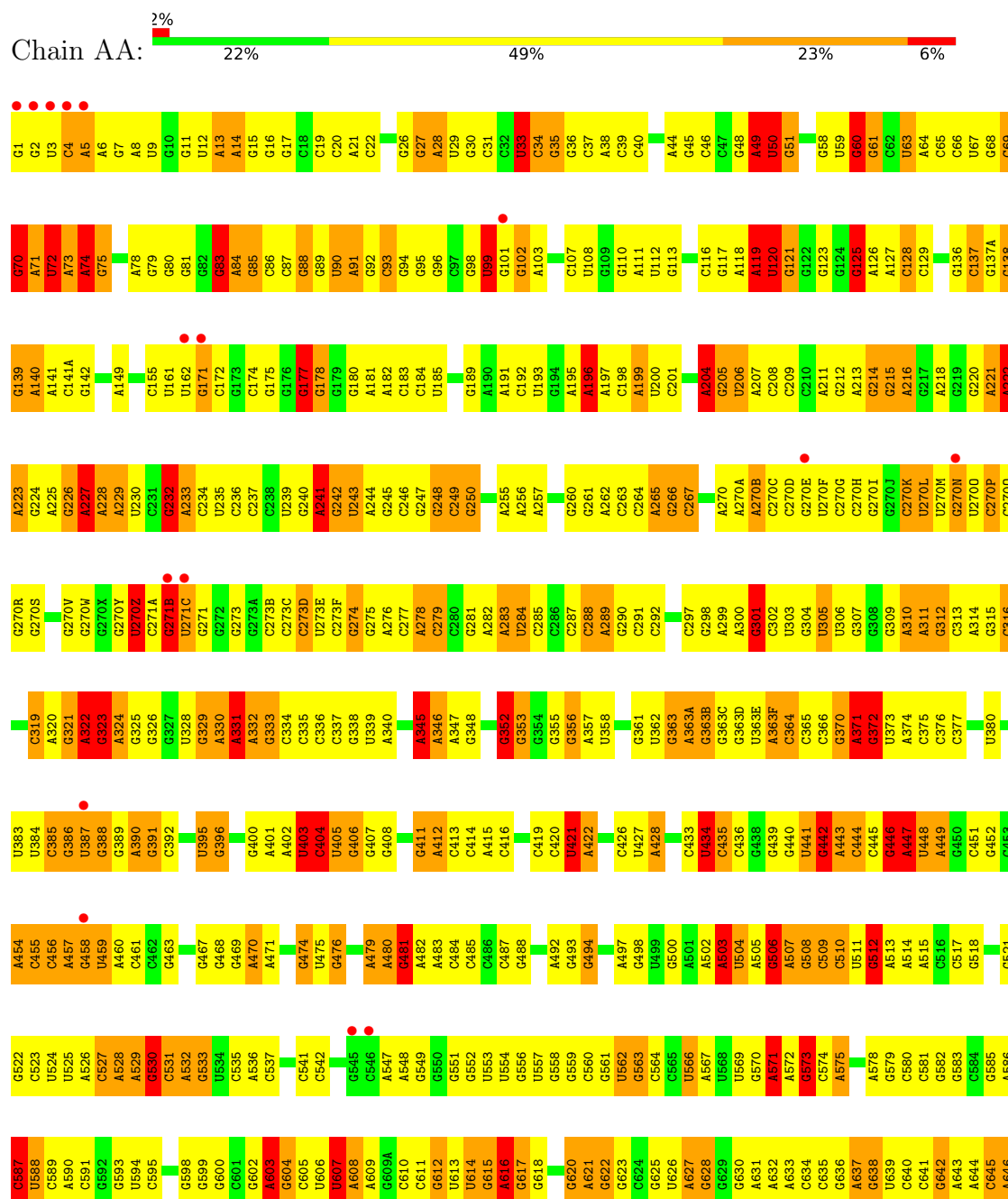
- Molecule 61 is water.

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

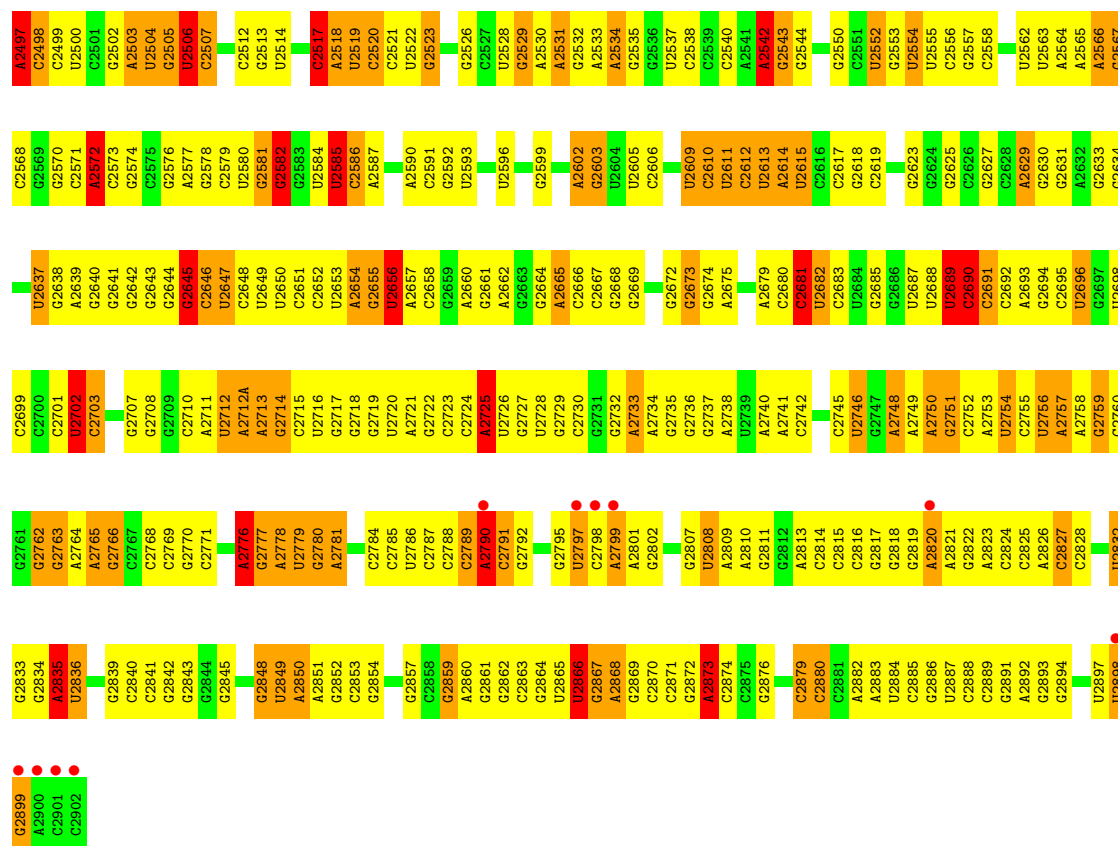
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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 ($RSRZ > 2$). 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

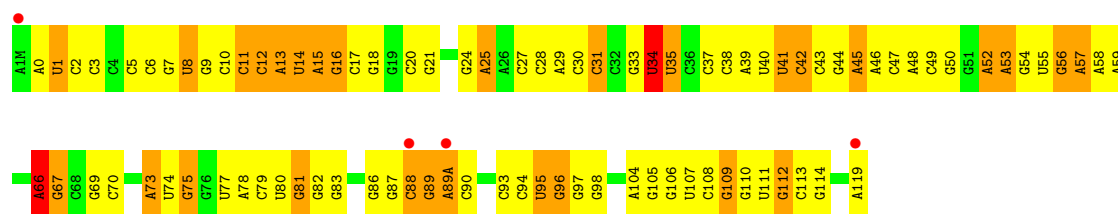


C1464	C1465	C1466	C1467	C1468	C1469	C1470	C1471	C1472	C1473	C1474	C1475	C1476	C1477	C1478	C1479	C1480	C1481	C1482	C1483	C1484	C1485	C1486	C1487	C1488	C1489	C1490	C1491	C1492	C1493	C1494	C1495	C1496	C1497	C1498	C1499	C1500	C1501	C1502	C1503	C1504	C1505	C1506	C1507	C1508	C1509	C1510	C1511	C1512	C1513	C1514	C1515	C1516	C1517	C1518	C1519	C1520	C1521	C1522	C1523																																																					
G1400	G1401	G1402	G1403	G1404	G1405	G1406	G1407	G1408	G1409	G1410	G1411	G1412	G1413	G1414	G1415	G1416	G1417	G1418	G1419	G1420	G1421	G1422	G1423	G1424	G1425	G1426	G1427	G1428	G1429	G1430	G1431	G1432	G1433	G1434	G1435	G1436	G1437	G1438	G1439	G1440	G1441	G1442	G1443	G1444	G1445	G1446	G1447	G1448	G1449	G1450	G1451	G1452	G1453	G1454	G1455	G1456	G1457	G1458	G1459	G1460	G1461	G1462	G1463																																																	
A1274	A1275	A1276	A1277	A1278	A1279	A1280	A1281	A1282	A1283	A1284	A1285	A1286	A1287	A1288	A1289	A1290	A1291	A1292	A1293	A1294	A1295	A1296	A1297	A1298	A1299	A1300	A1301	A1302	A1303	A1304	A1305	A1306	A1307	A1308	A1309	A1310	A1311	A1312	A1313	A1314	A1315	A1316	A1317	A1318	A1319	A1320	A1321	A1322	A1323	A1324	A1325	A1326	A1327	A1328	A1329	A1330	A1331	A1332	A1333	A1334	A1335	A1336	A1337																																																	
G1337	G1338	G1339	G1340	G1341	G1342	G1343	G1344	G1345	G1346	G1347	G1348	G1349	G1350	G1351	G1352	G1353	G1354	G1355	G1356	G1357	G1358	G1359	G1360	G1361	G1362	G1363	G1364	G1365	G1366	G1367	G1368	G1369	G1370	G1371	G1372	G1373	G1374	G1375	G1376	G1377	G1378	G1379	G1380	G1381	G1382	G1383	G1384	G1385	G1386	G1387	G1388	G1389	G1390	G1391	G1392	G1393	G1394	G1395	G1396	G1397																																																				
G1212	G1213	G1214	G1215	G1216	G1217	G1218	G1219	G1220	G1221	G1222	G1223	G1224	G1225	G1226	G1227	G1228	G1229	G1230	G1231	G1232	G1233	G1234	G1235	G1236	G1237	G1238	G1239	G1240	G1241	G1242	G1243	G1244	G1245	G1246	G1247	G1248	G1249	G1250	G1251	G1252	G1253	G1254	G1255	G1256	G1257	G1258	G1259	G1260	G1261	G1262	G1263	G1264	G1265	G1266	G1267	G1268	G1269	G1270	G1271	G1272	G1273																																																			
C1150	C1151	C1152	C1153	C1154	C1155	C1156	C1157	C1158	C1159	C1160	C1161	C1162	C1163	C1164	C1165	C1166	C1167	C1168	C1169	C1170	C1171	C1172	C1173	C1174	C1175	C1176	C1177	C1178	C1179	C1180	C1181	C1182	C1183	C1184	C1185	C1186	C1187	C1188	C1189	C1190	C1191	C1192	C1193	C1194	C1195	C1196	C1197	C1198	C1199	C1200	C1201	C1202	C1203	C1204	C1205	C1206	C1207	C1208	C1209	C1210	C1211	C1212																																																		
G1087	G1088	G1089	G1090	G1091	G1092	G1093	G1094	G1095	G1096	G1097	G1098	G1099	G1100	G1101	G1102	G1103	G1104	G1105	G1106	G1107	G1108	G1109	G1110	G1111	G1112	G1113	G1114	G1115	G1116	G1117	G1118	G1119	G1120	G1121	G1122	G1123	G1124	G1125	G1126	G1127	G1128	G1129	G1130	G1131	G1132	G1133	G1134	G1135	G1136	G1137	G1138	G1139	G1140	G1141	G1142	G1143	G1144	G1145	G1146	G1147	G1148	G1149																																																		
C985	C986	C987	C988	C989	C990	C991	C992	C993	C994	C995	C996	C997	C998	C999	C1000	C1001	C1002	C1003	C1004	C1005	C1006	C1007	C1008	C1009	C1010	C1011	C1012	C1013	C1014	C1015	C1016	C1017	C1018	C1019	C1020	C1021	C1022	C1023	C1024	C1025	C1026	C1027	C1028	C1029	C1030	C1031	C1032	C1033	C1034	C1035	C1036	C1037	C1038	C1039	C1040	C1041	C1042	C1043	C1044	C1045	C1046	C1047	C1048	C1049	C1050																																															
A890	A891	A892	A893	A894	A895	A896	A897	A898	A899	A900	A901	A902	A903	A904	A905	A906	A907	A908	A909	A910	A911	A912	A913	A914	A915	A916	A917	A918	A919	A920	A921	A922	A923	A924	A925	A926	A927	A928	A929	A930	A931	A932	A933	A934	A935	A936	A937	A938	A939	A940	A941	A942	A943	A944	A945	A946	A947	A948	A949	A950	A951	A952	A953	A954																																																
G760	G761	G762	G763	G764	G765	G766	G767	G768	G769	G770	G771	G772	G773	G774	G775	G776	G777	G778	G779	G780	G781	G782	G783	G784	G785	G786	G787	G788	G789	G790	G791	G792	G793	G794	G795	G796	G797	G798	G799	G800	G801	G802	G803	G804	G805	G806	G807	G808	G809	G810	G811	G812	G813	G814	G815	G816	G817	G818	G819	G820	G821	G822	G823	G824																																																
C691	C692	C693	C694	C695	C696	C697	C698	C699	C700	C701	C702	C703	C704	C705	C706	C707	C708	C709	C710	C711	C712	C713	C714	C715	C716	C717	C718	C719	C720	C721	C722	C723	C724	C725	C726	C727	C728	C729	C730	C731	C732	C733	C734	C735	C736	C737	C738	C739	C740	C741	C742	C743	C744	C745	C746	C747	C748	C749	C750	C751	C752	C753	C754	C755	C756	C757	C758	C759																																												
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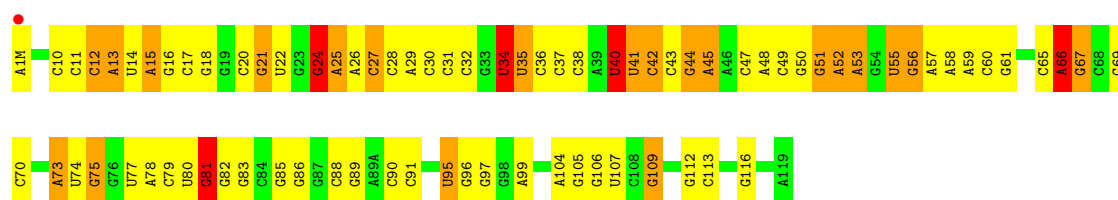
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• Molecule 2: 5S RIBOSOMAL RNA

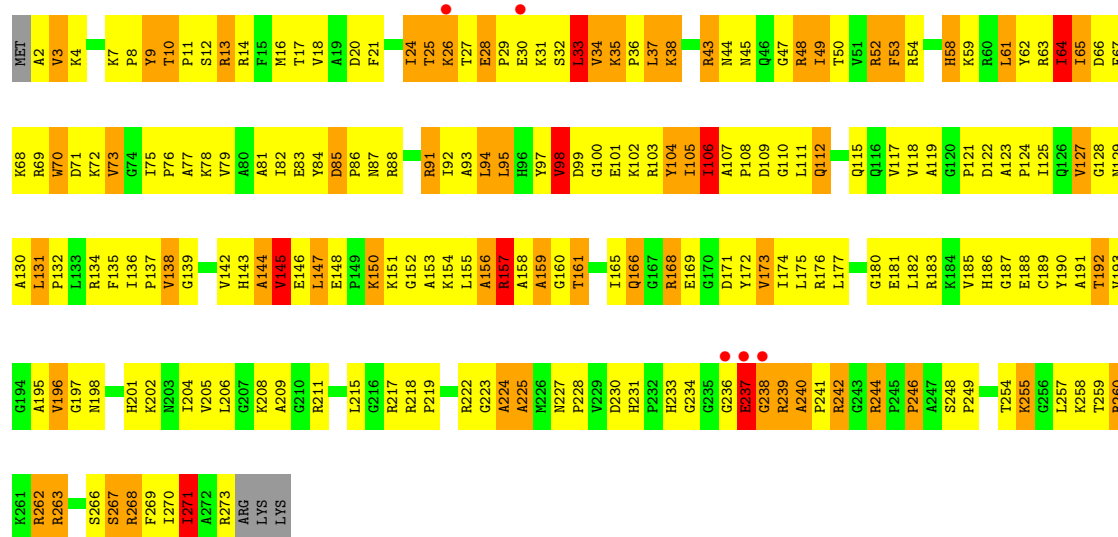


• Molecule 2: 5S RIBOSOMAL RNA

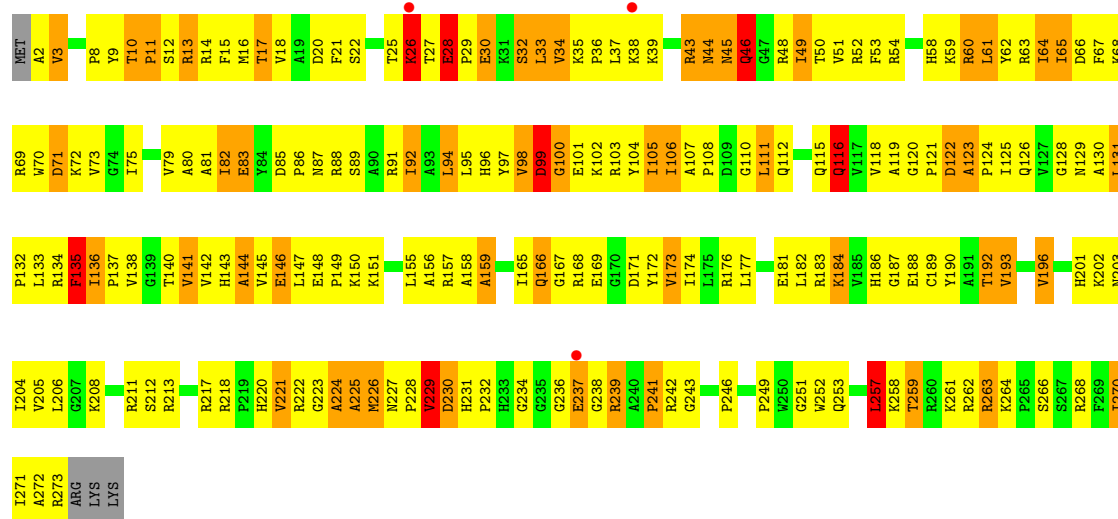


• Molecule 3: 50S RIBOSOMAL PROTEIN L2

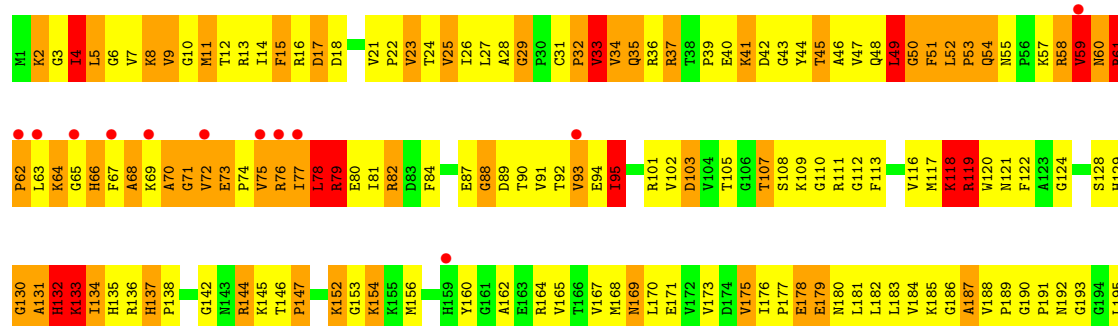




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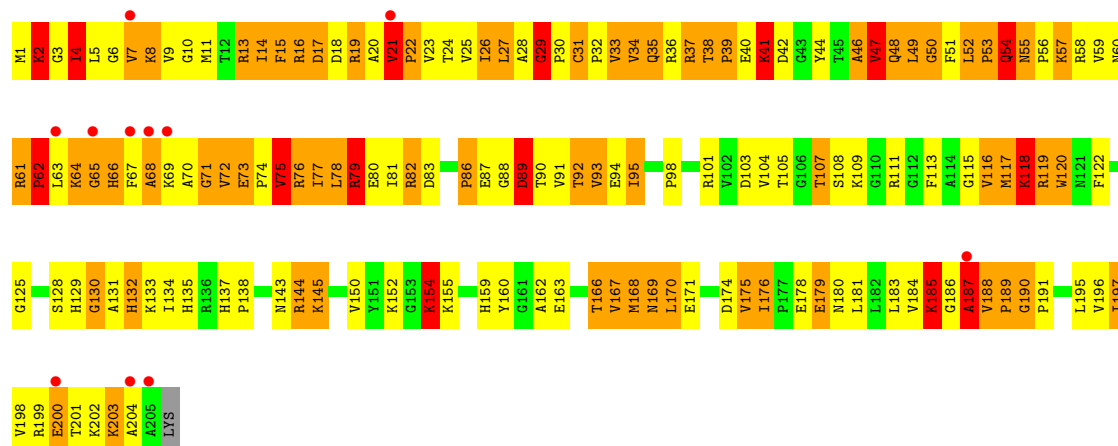
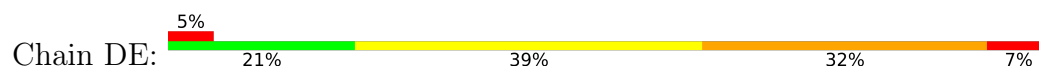


• Molecule 4: 50S RIBOSOMAL PROTEIN L3

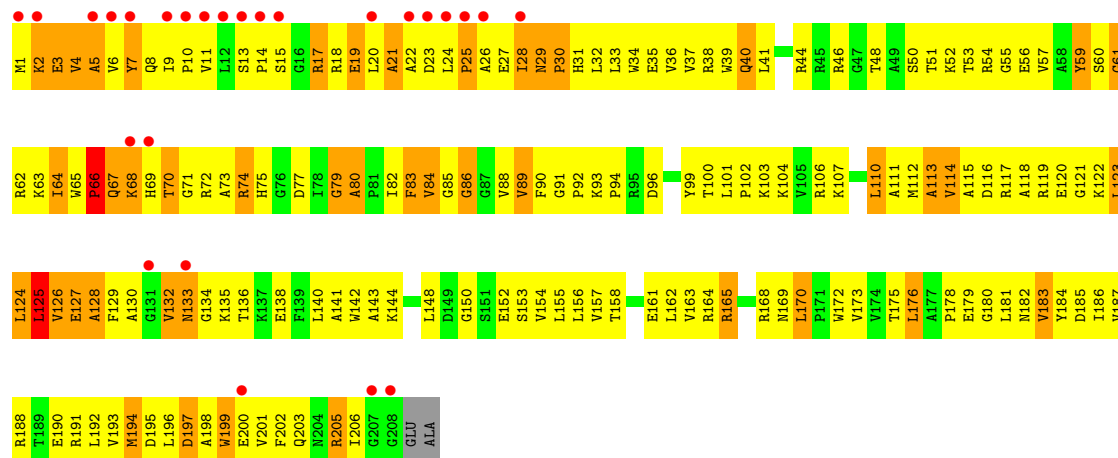




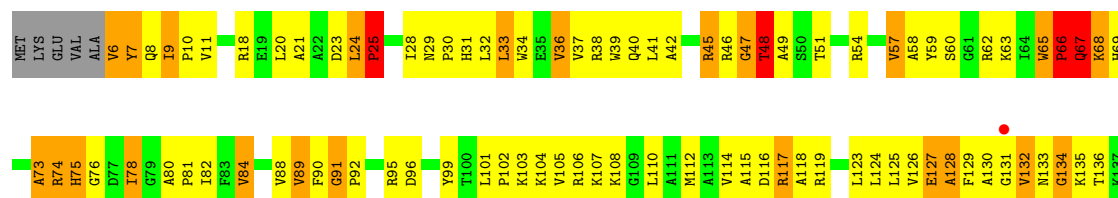
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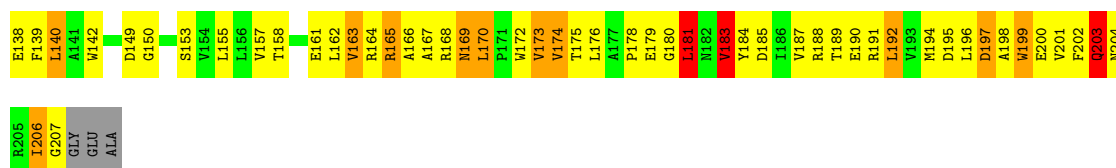


• Molecule 5: 50S RIBOSOMAL PROTEIN L4

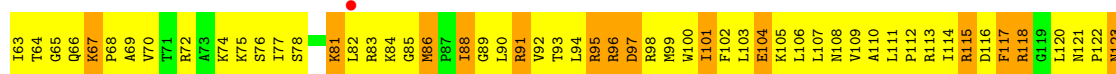


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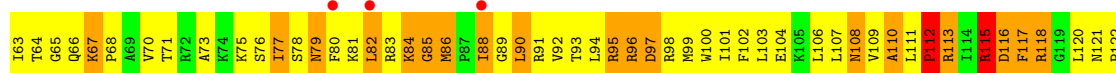
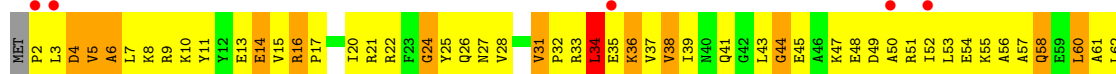




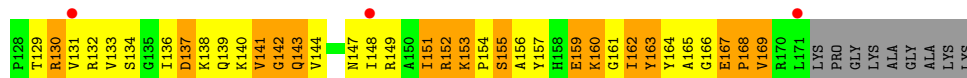
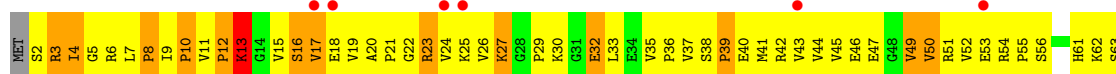
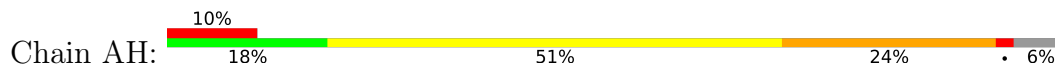
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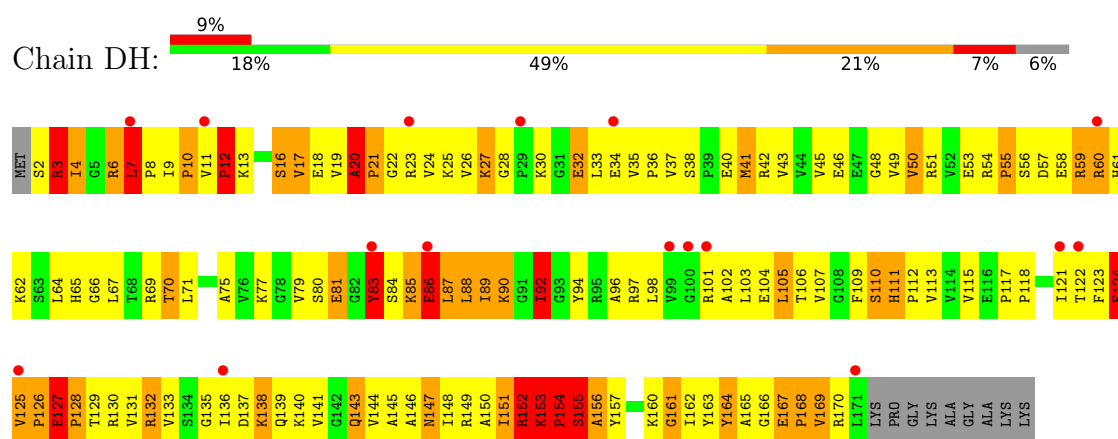
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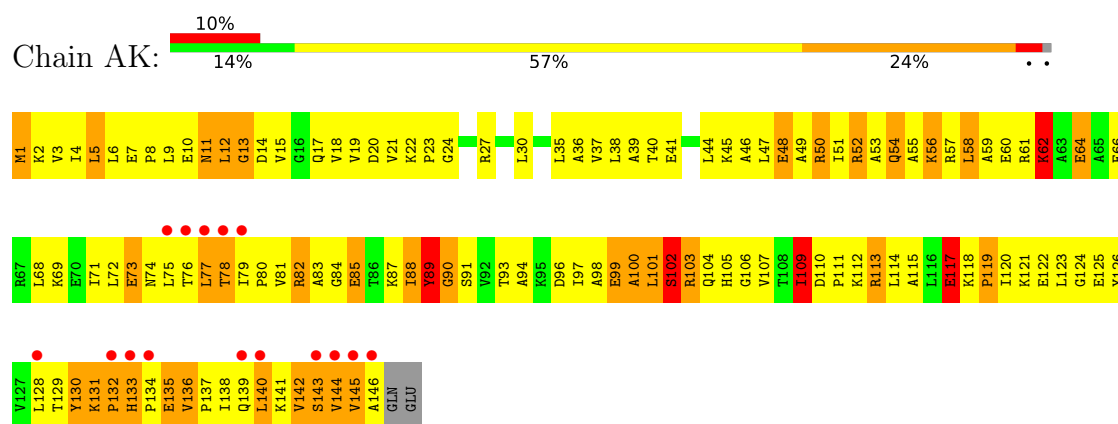
• Molecule 7: 50S RIBOSOMAL PROTEIN L6



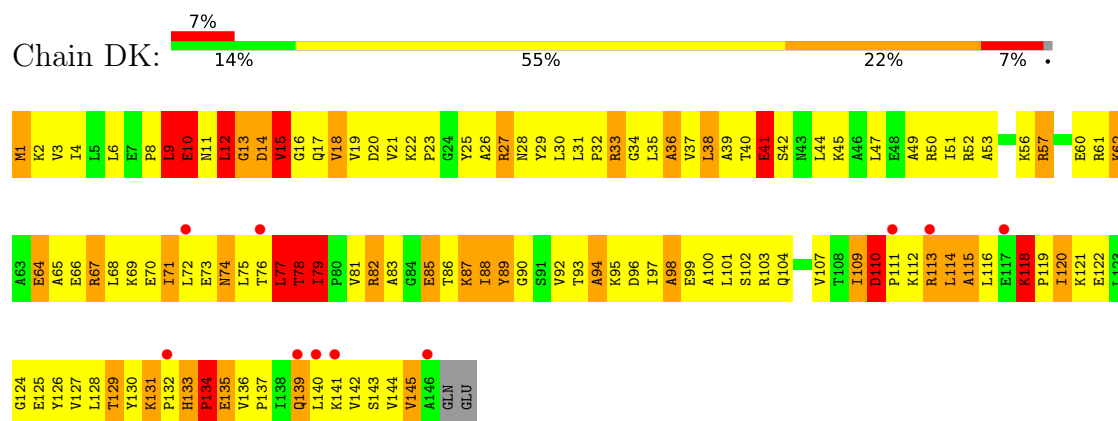
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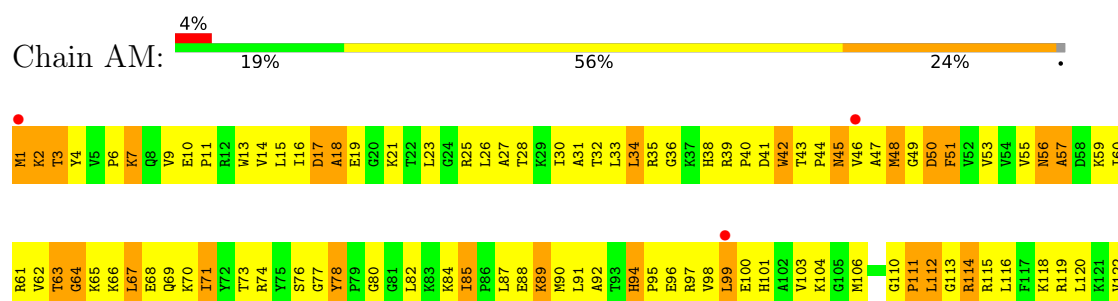
• Molecule 8: 50S RIBOSOMAL PROTEIN L9



• Molecule 8: 50S RIBOSOMAL PROTEIN L9

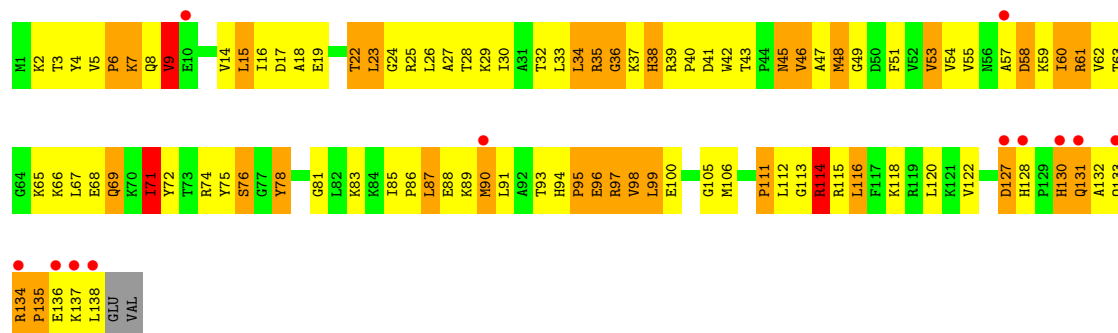


• Molecule 9: 50S RIBOSOMAL PROTEIN L13

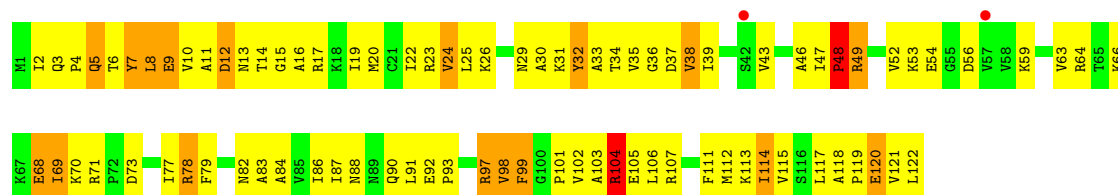




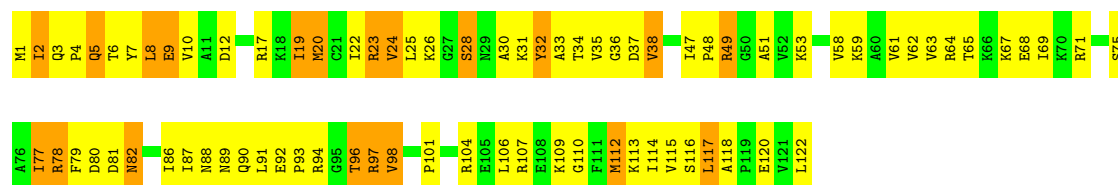
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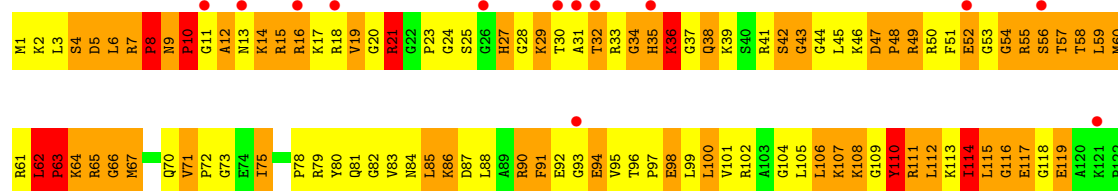
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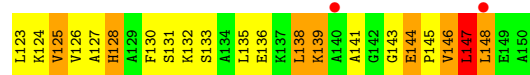


• Molecule 10: 50S RIBOSOMAL PROTEIN L14

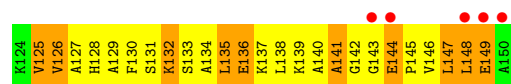
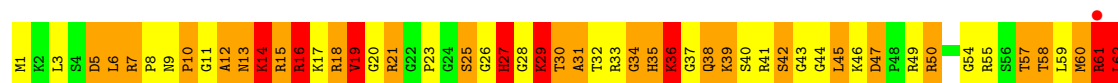
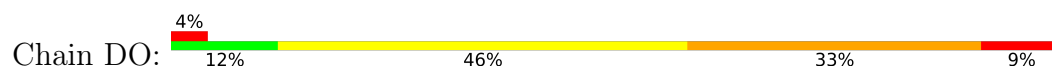


• Molecule 11: 50S RIBOSOMAL PROTEIN L15

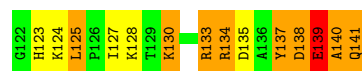
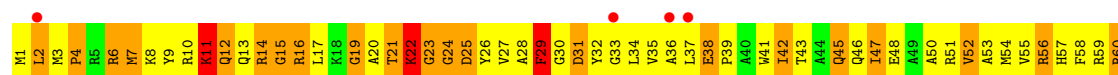
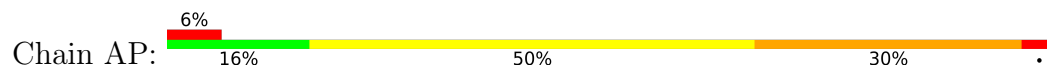




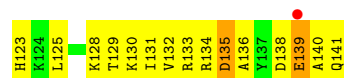
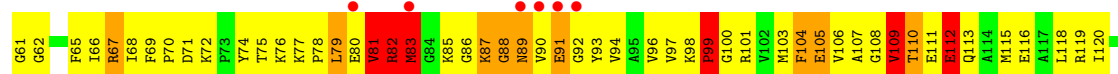
• Molecule 11: 50S RIBOSOMAL PROTEIN L15



• Molecule 12: 50S RIBOSOMAL PROTEIN L16

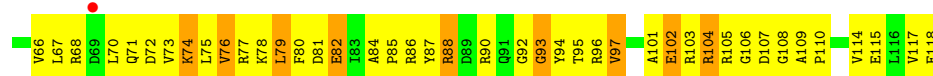
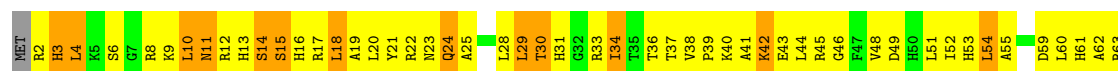


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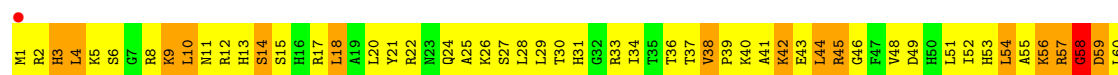


• Molecule 13: 50S RIBOSOMAL PROTEIN L17

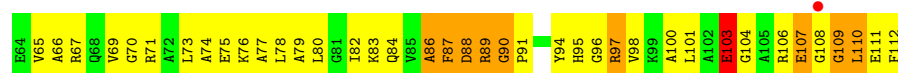




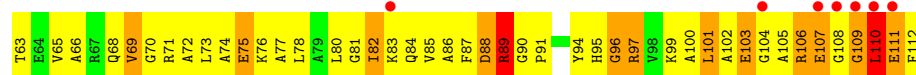
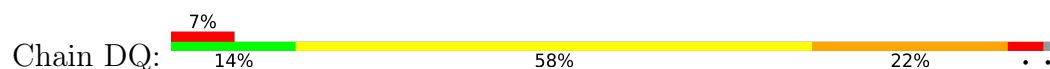
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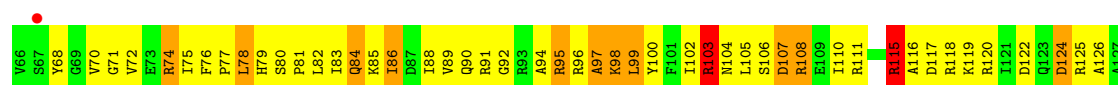
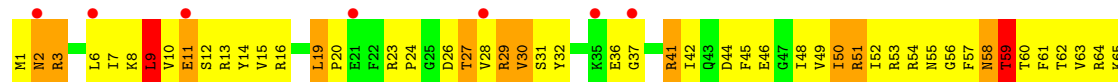
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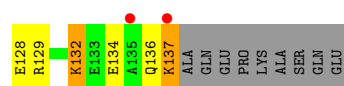


• Molecule 14: 50S RIBOSOMAL PROTEIN L18

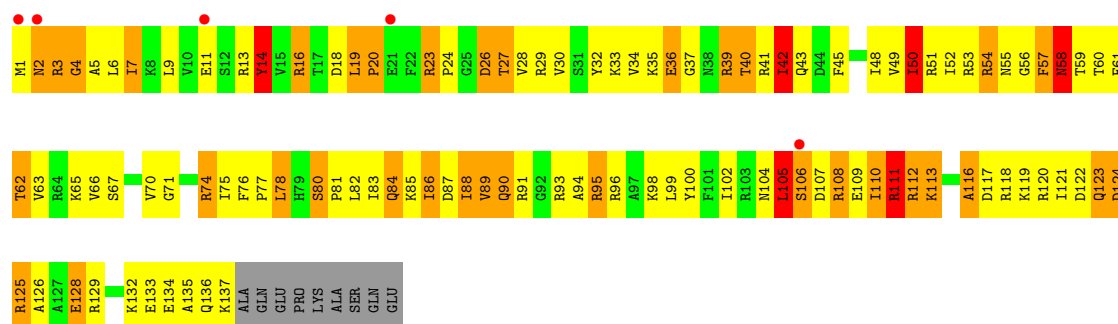
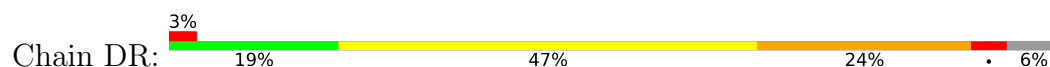


• Molecule 15: 50S RIBOSOMAL PROTEIN L19

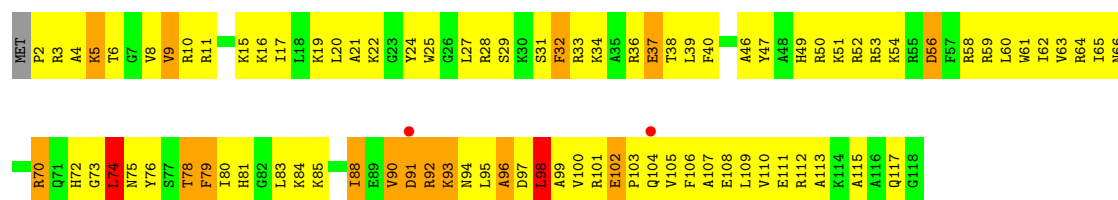




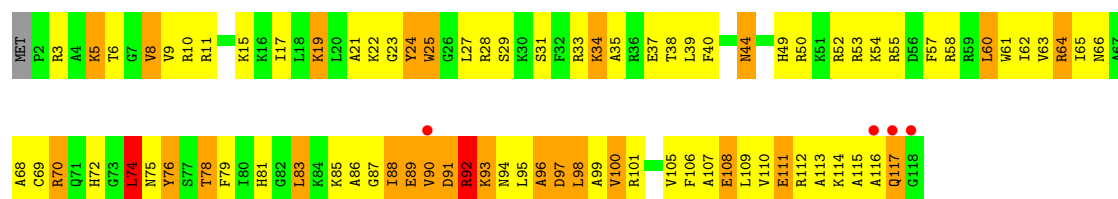
• Molecule 15: 50S RIBOSOMAL PROTEIN L19



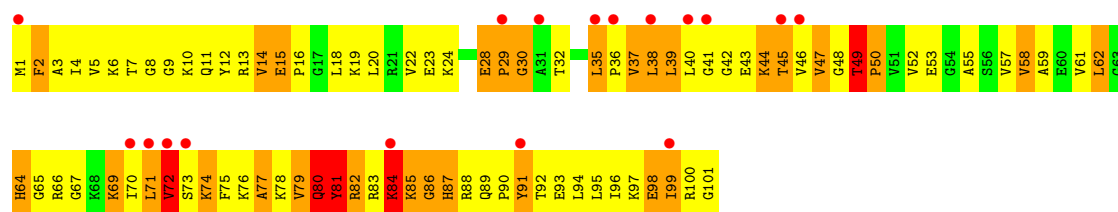
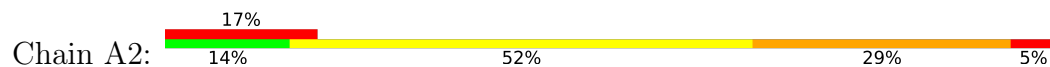
• Molecule 16: 50S RIBOSOMAL PROTEIN L20



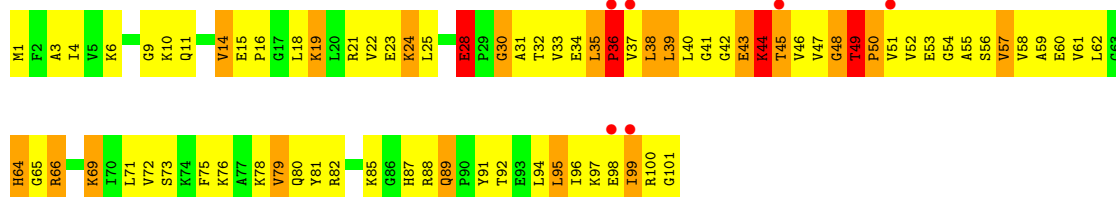
• Molecule 16: 50S RIBOSOMAL PROTEIN L20



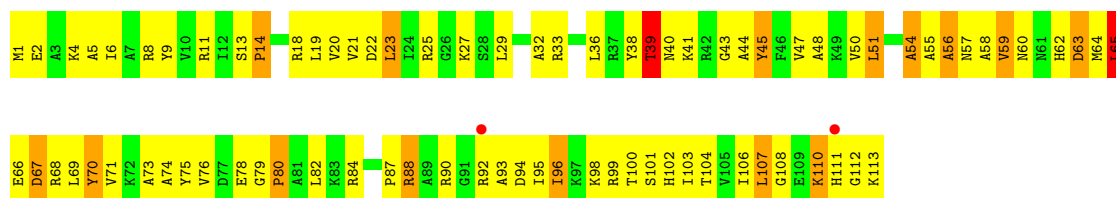
• Molecule 17: 50S RIBOSOMAL PROTEIN L21



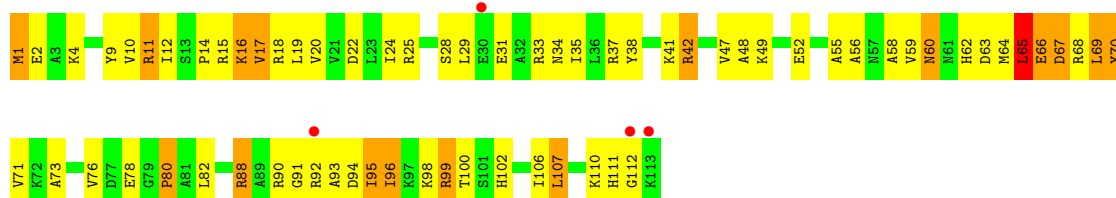
• Molecule 17: 50S RIBOSOMAL PROTEIN L21



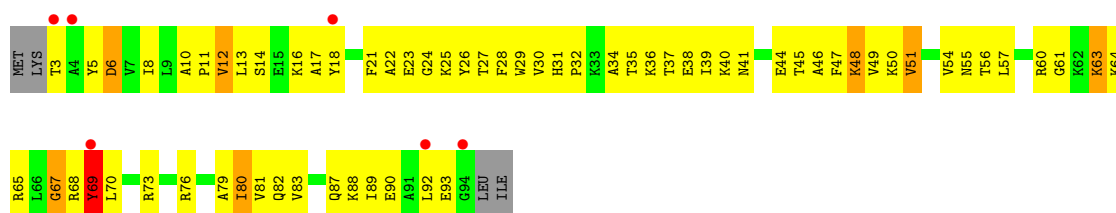
• Molecule 18: 50S RIBOSOMAL PROTEIN L22



• Molecule 18: 50S RIBOSOMAL PROTEIN L22

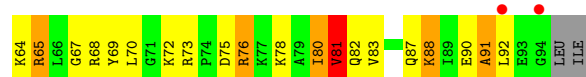


• Molecule 19: 50S RIBOSOMAL PROTEIN L23

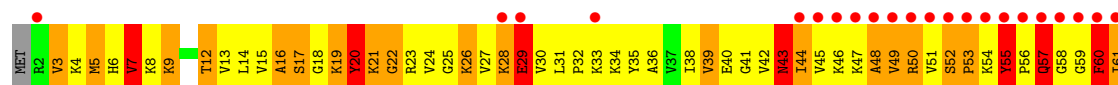


• Molecule 19: 50S RIBOSOMAL PROTEIN L23

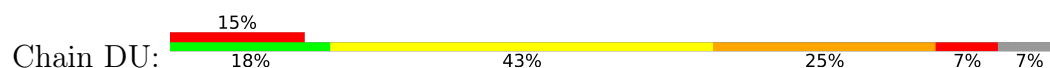




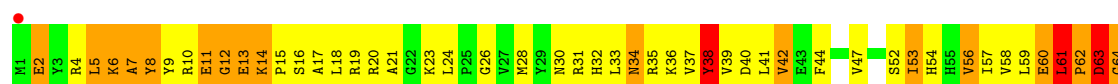
• Molecule 20: 50S RIBOSOMAL PROTEIN L24



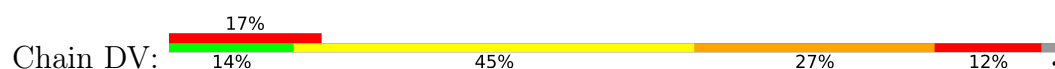
• Molecule 20: 50S RIBOSOMAL PROTEIN L24

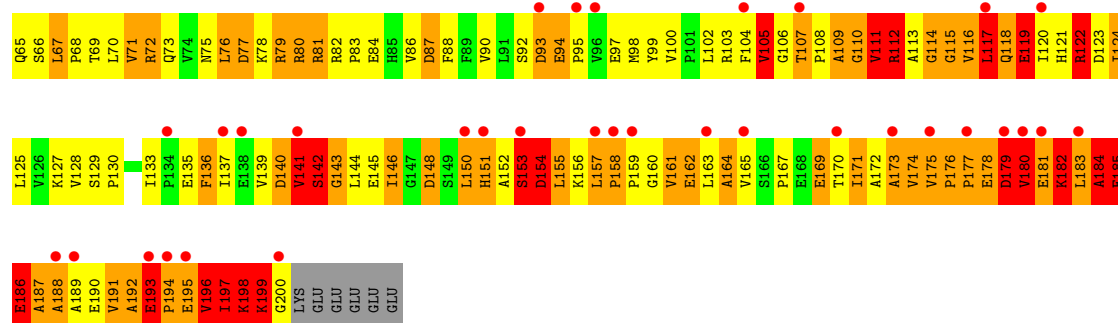


• Molecule 21: 50S RIBOSOMAL PROTEIN L25

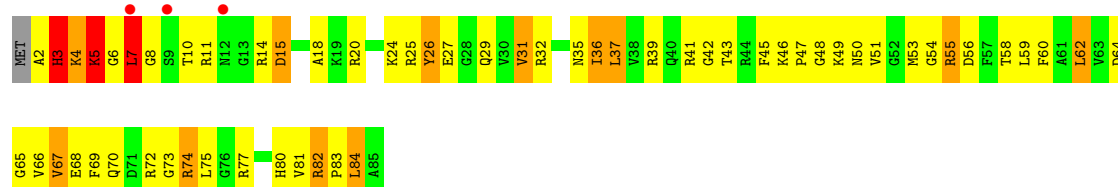


• Molecule 21: 50S RIBOSOMAL PROTEIN L25

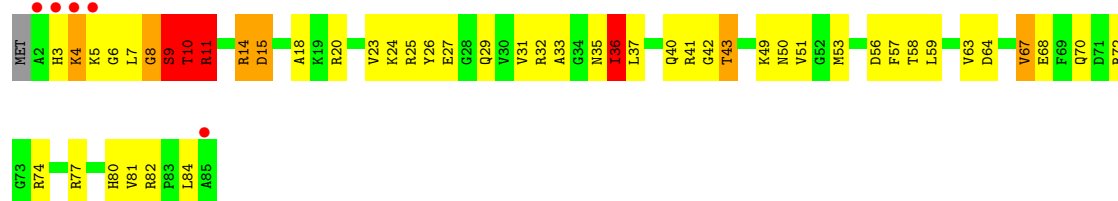
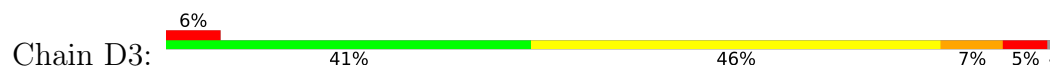




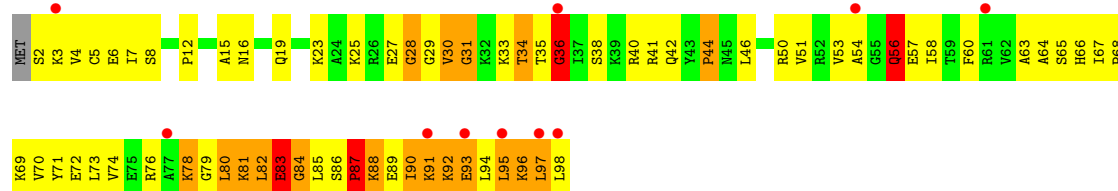
• Molecule 22: 50S RIBOSOMAL PROTEIN L27



• Molecule 22: 50S RIBOSOMAL PROTEIN L27

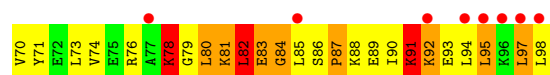


• Molecule 23: 50S RIBOSOMAL PROTEIN L28

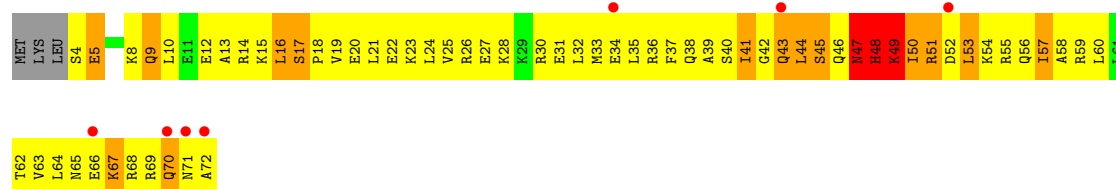
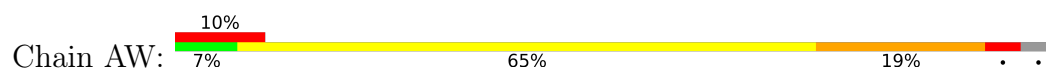


• Molecule 23: 50S RIBOSOMAL PROTEIN L28

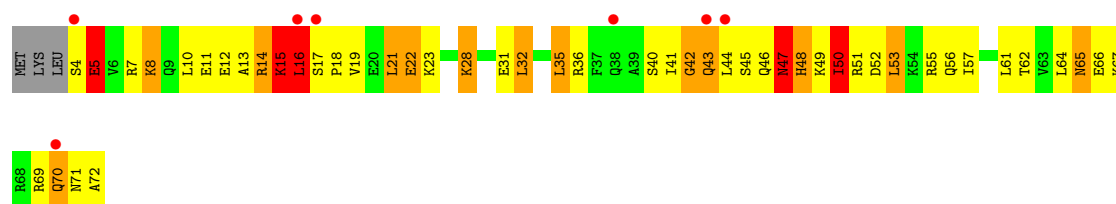




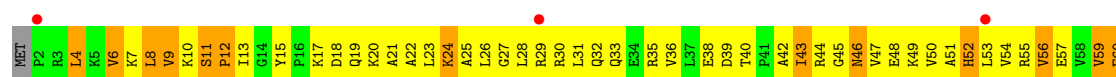
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



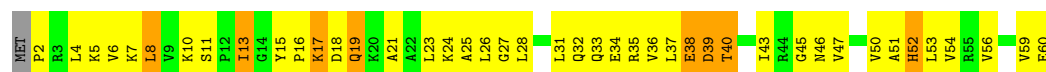
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



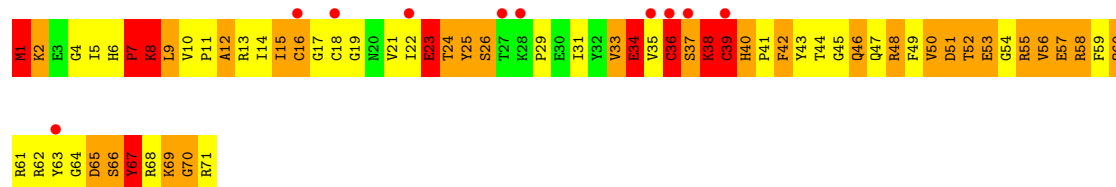
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



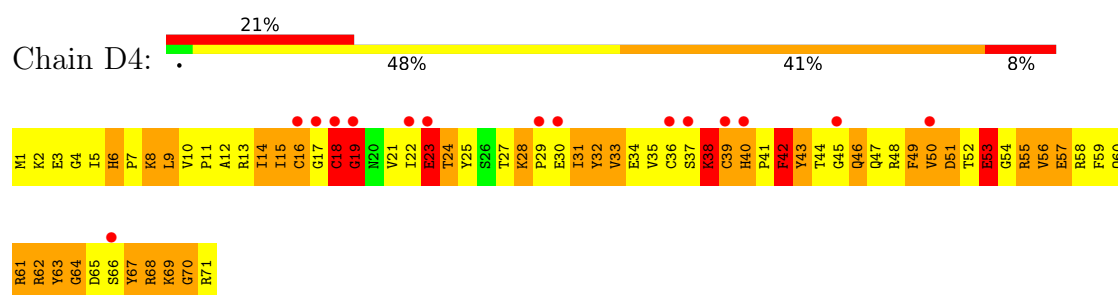
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



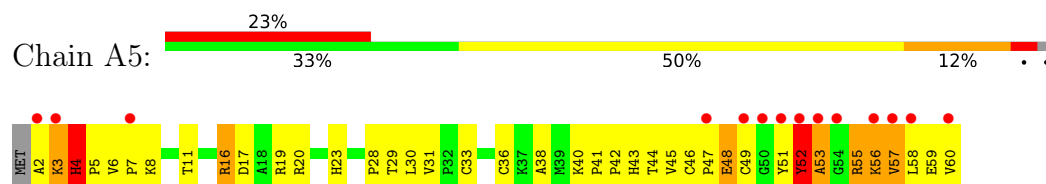
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



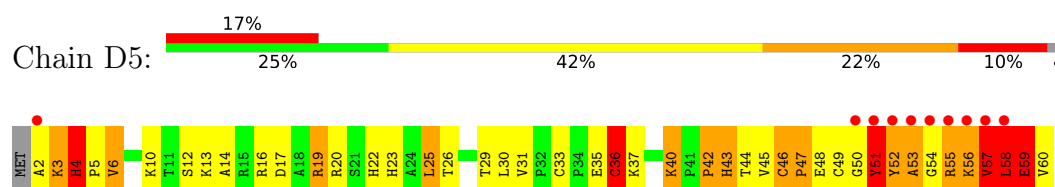
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



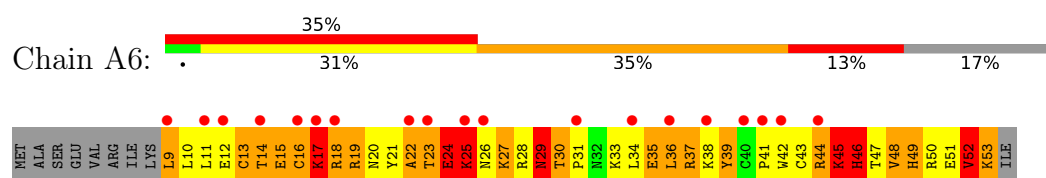
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



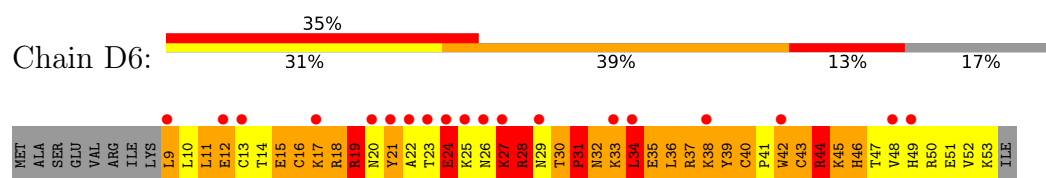
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



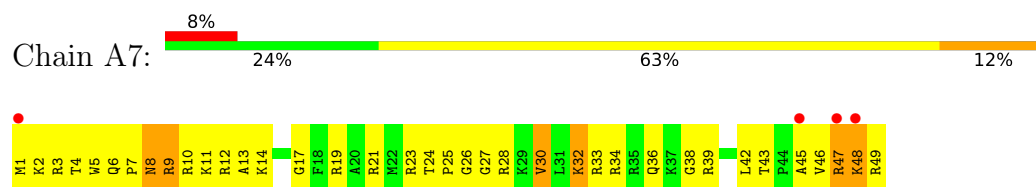
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



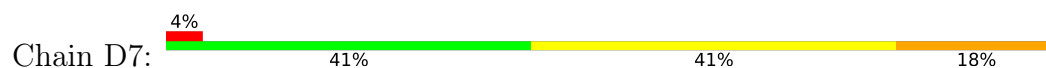
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



• Molecule 29: 50S RIBOSOMAL PROTEIN L34

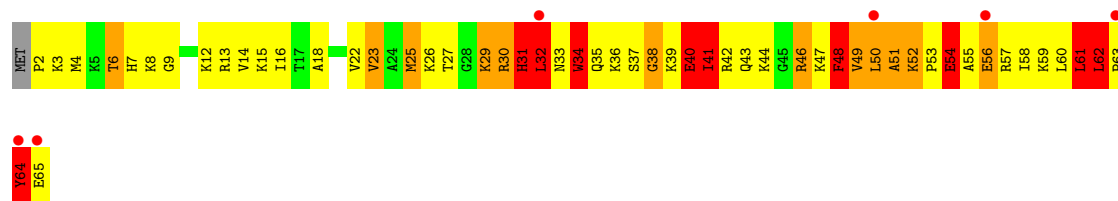
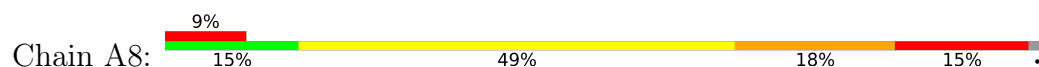


• Molecule 29: 50S RIBOSOMAL PROTEIN L34

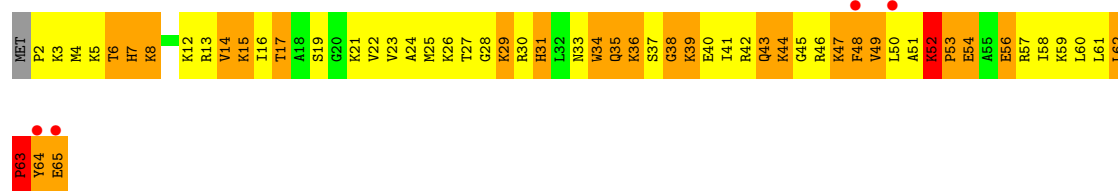
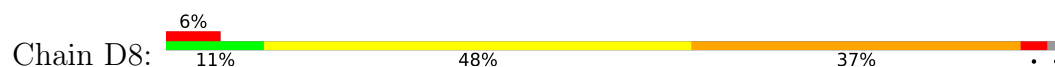




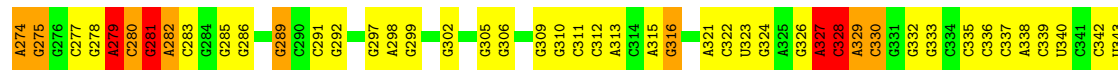
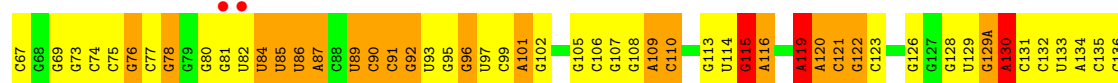
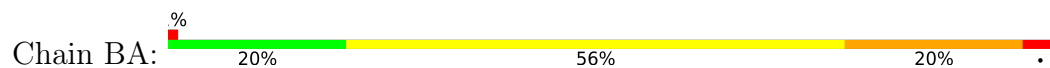
• Molecule 30: 50S RIBOSOMAL PROTEIN L35

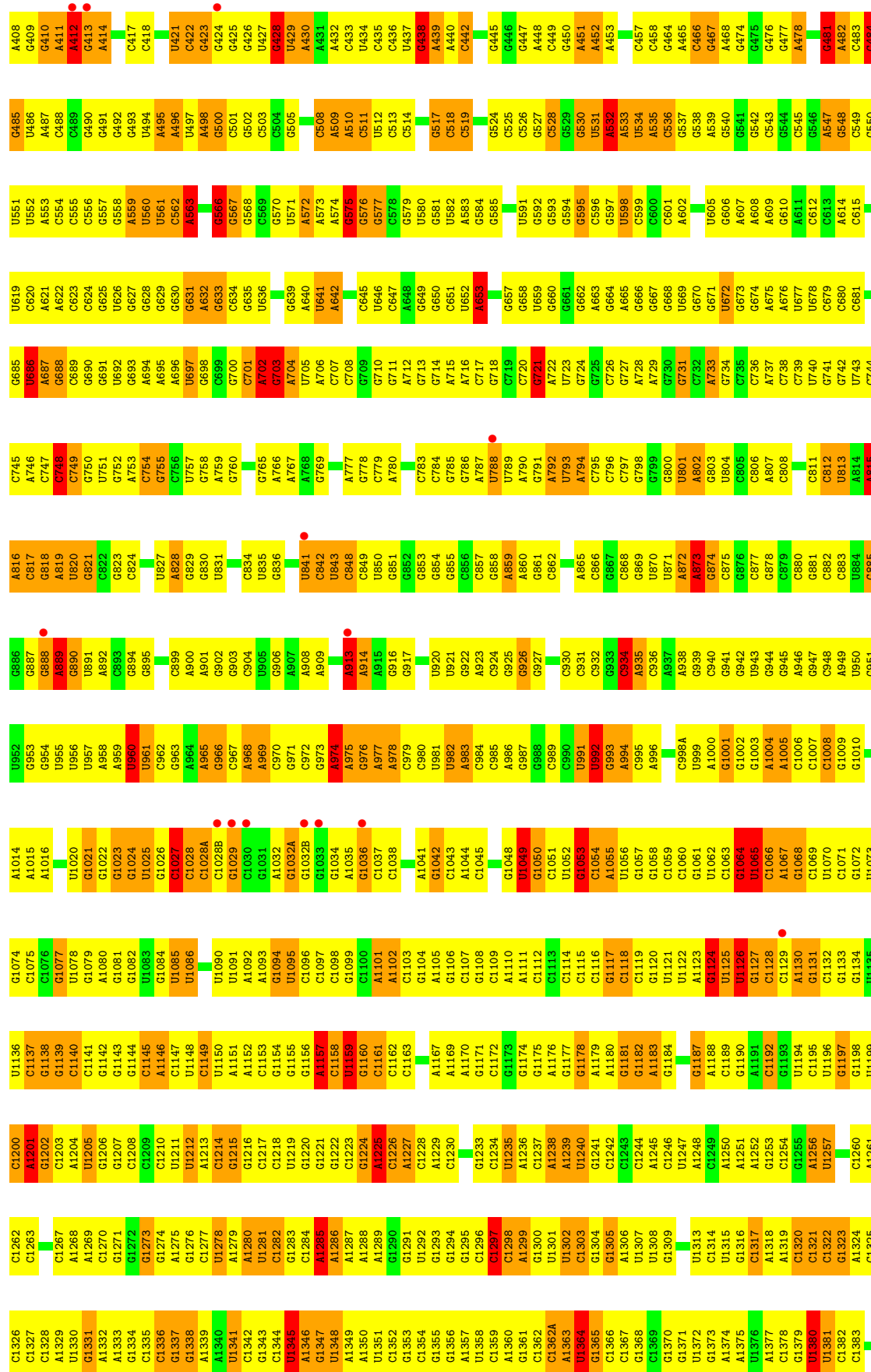


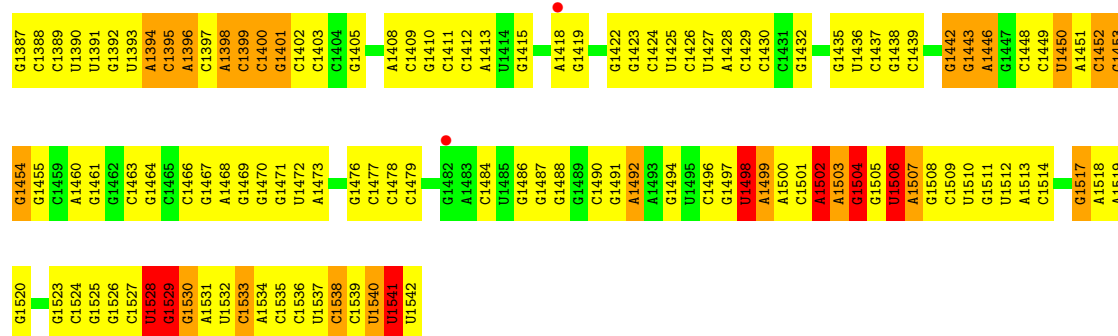
• Molecule 30: 50S RIBOSOMAL PROTEIN L35



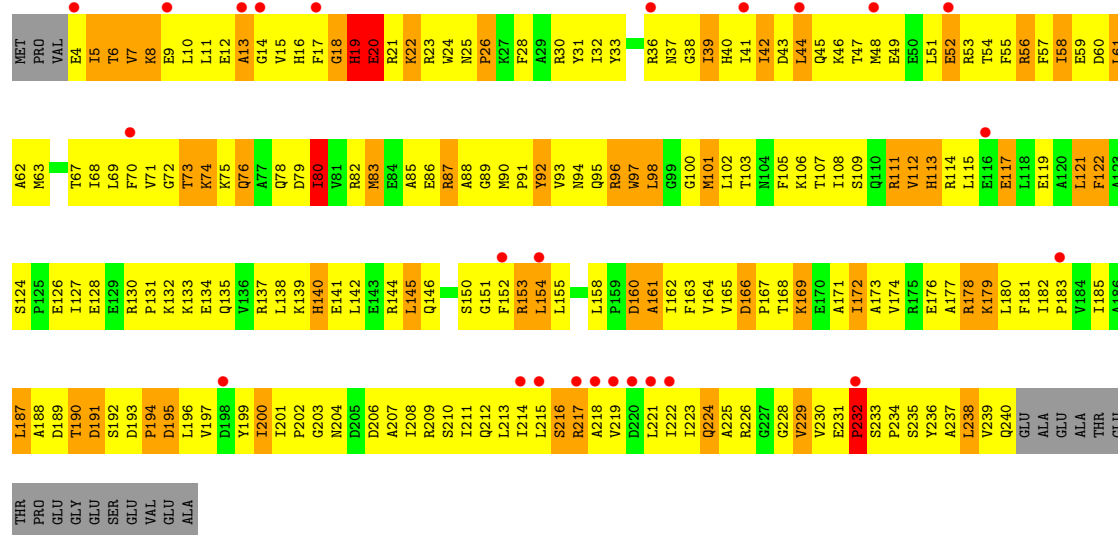
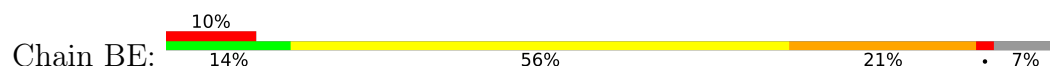
• Molecule 31: 16S ribosomal RNA



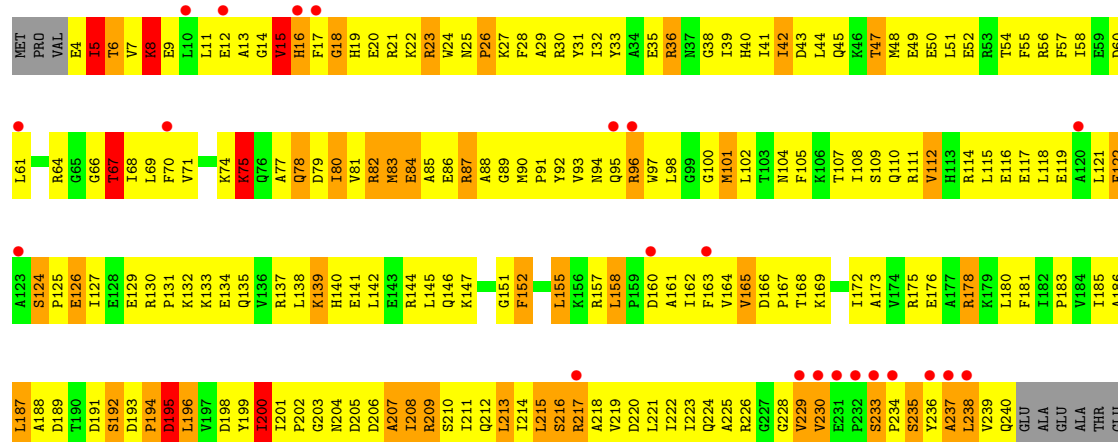
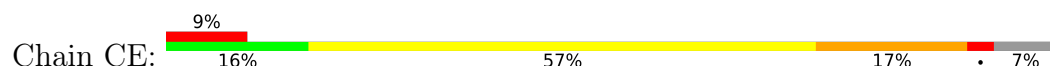




• Molecule 32: 30S ribosomal protein S2

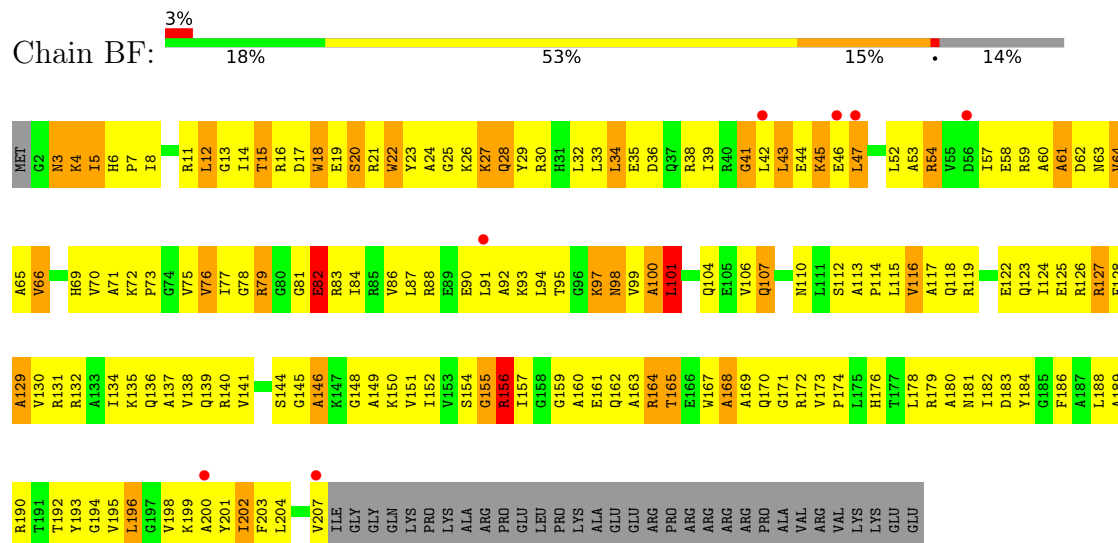


• Molecule 32: 30S ribosomal protein S2

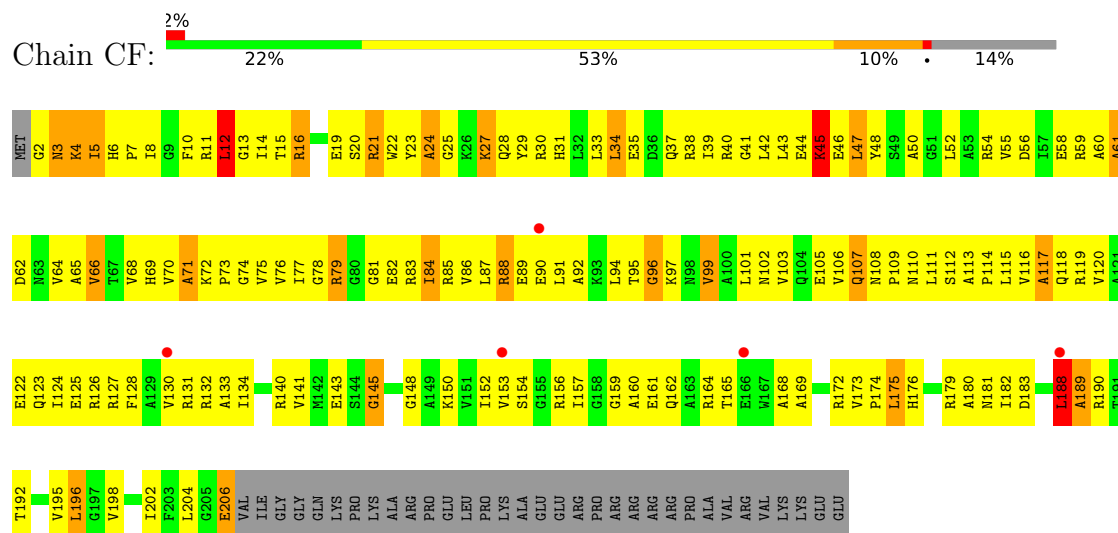


THR
PRO
GLY
GLY
GLY
SER
GLY
VAL
GLY
ALA

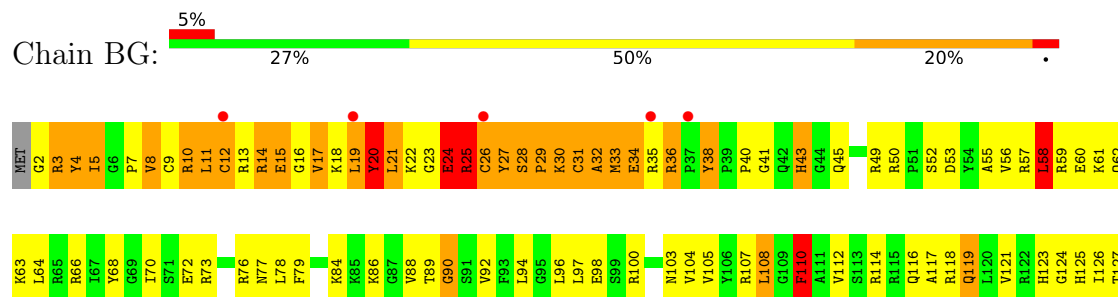
• Molecule 33: 30S ribosomal protein S3

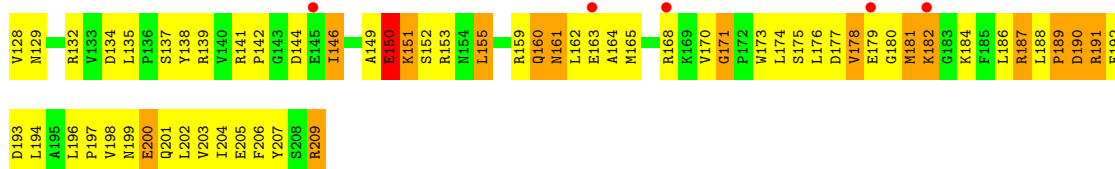


• Molecule 33: 30S ribosomal protein S3

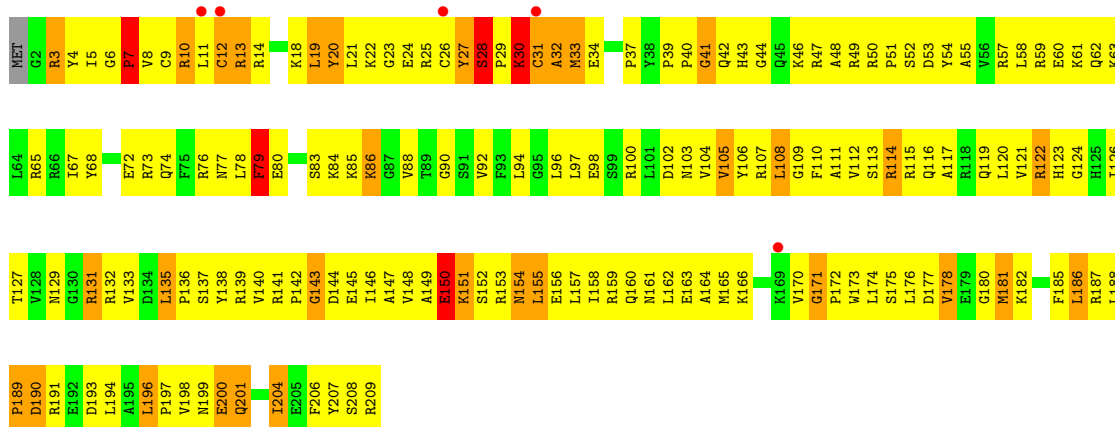


• Molecule 34: 30S ribosomal protein S4

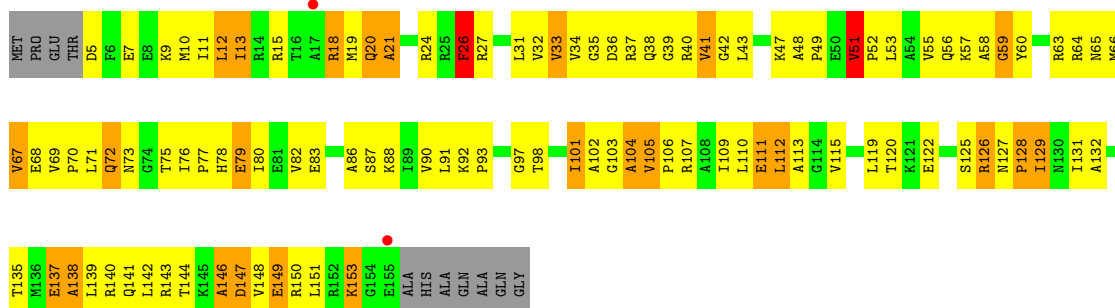




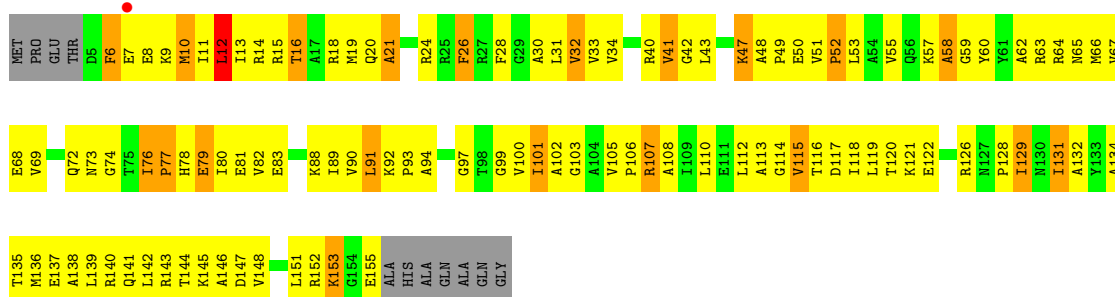
• Molecule 34: 30S ribosomal protein S4



• Molecule 35: 30S ribosomal protein S5



• Molecule 35: 30S ribosomal protein S5



Chain BI:

Chain CI:

Chain BJ:

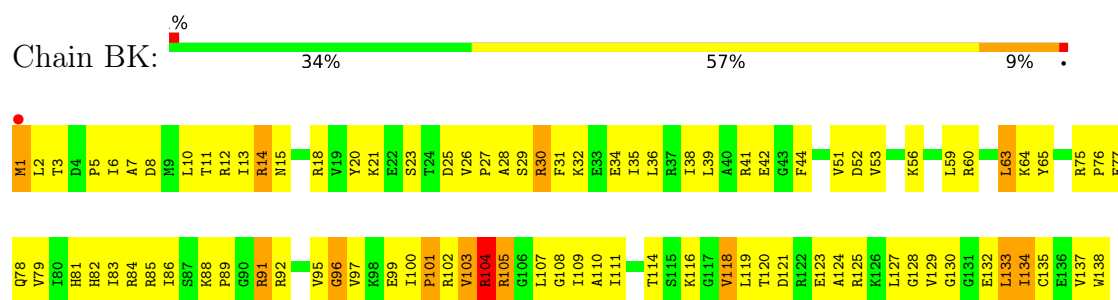
Category	Percentage
Green	24%
Yellow	62%
Orange	13%
Red	2%

Chain CJ:

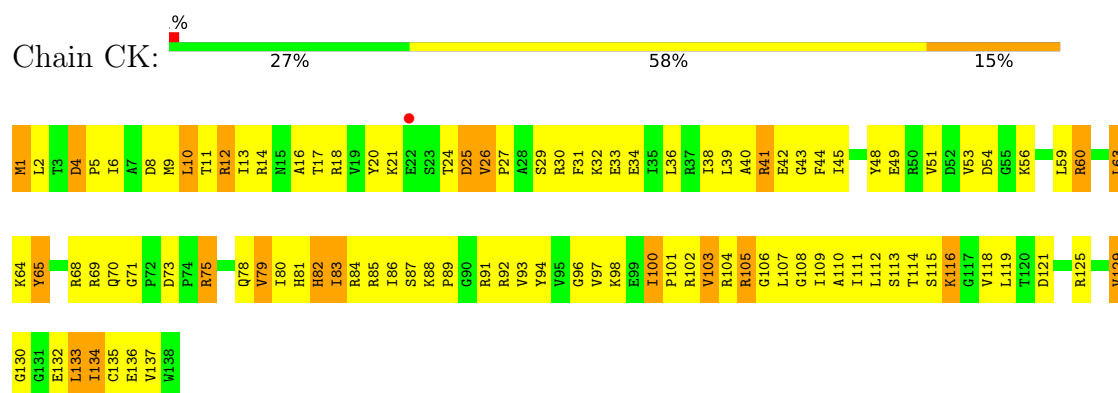
5% 26% 62% 11%

Q64 A65 V66 E67 M68 V69 R72 M73 E74 V75 R76 S77 R78 R79 V80 G81 G82 A83 N84 Y85 Q86 V87 P88 M89 E90 V91 S92 P93 R94 R95 Q96 Q97 S98 L99 A100 L101 R102 W103 L104 V105 Q106 A107 A108 N109 Q110 R111 P112 E113 R114 R115 A116 A117 V118 R119 I120 A121 H122 E123 I124 M125 D126 K131 G132 G133 A134 V135 K136 K137 K138 E139 D140 E141 E142 R143 R144 M144 A145 E146 R149 A150 Y151 A152 H153 Y154 R155 W156

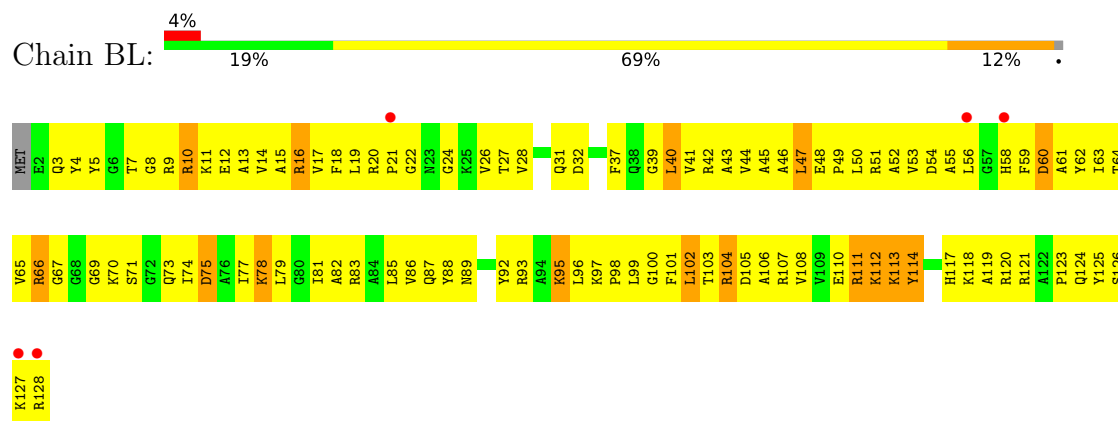
WORLDWIDE
PDB
PROTEIN DATA BANK



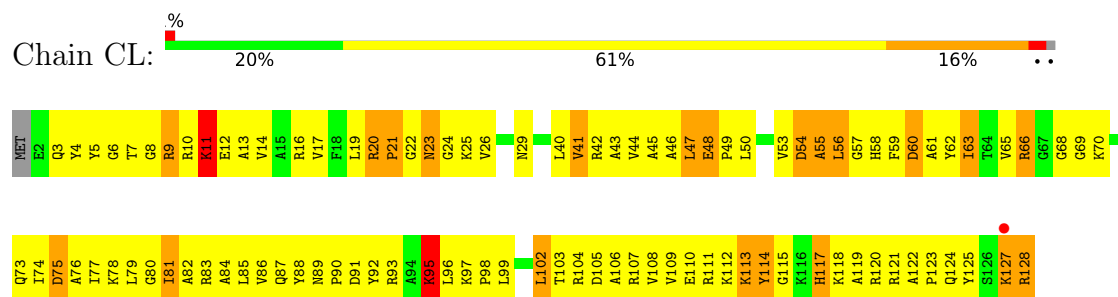
• Molecule 38: 30S ribosomal protein S8



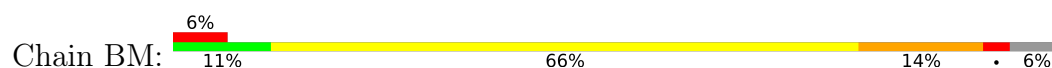
• Molecule 39: 30S ribosomal protein S9

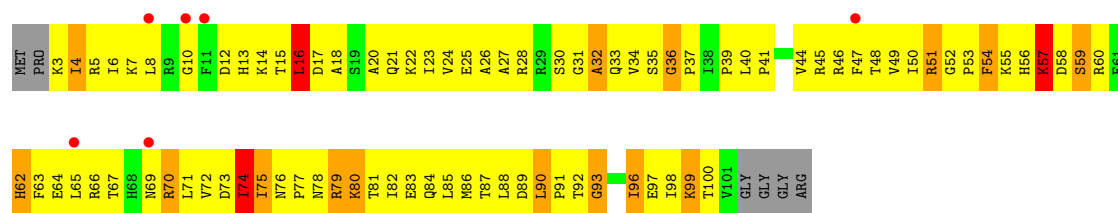


• Molecule 39: 30S ribosomal protein S9

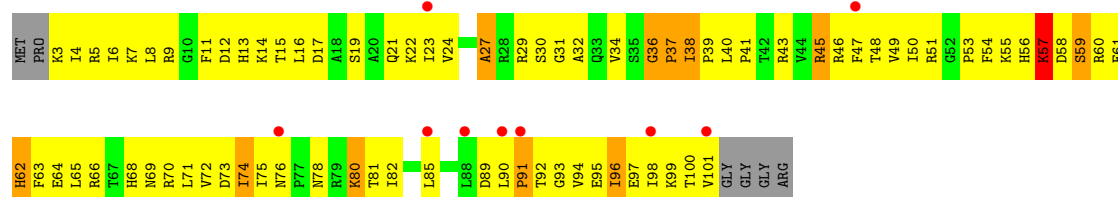


• Molecule 40: 30S ribosomal protein S10

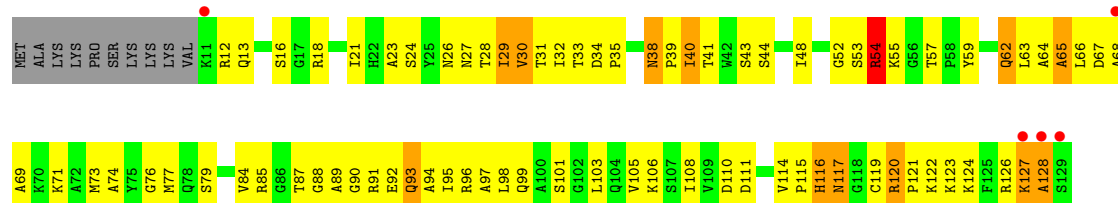




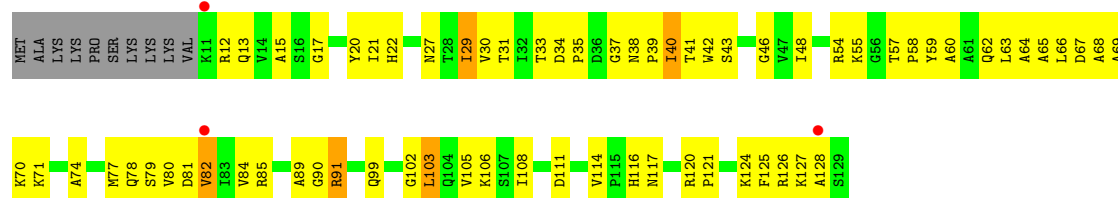
• Molecule 40: 30S ribosomal protein S10



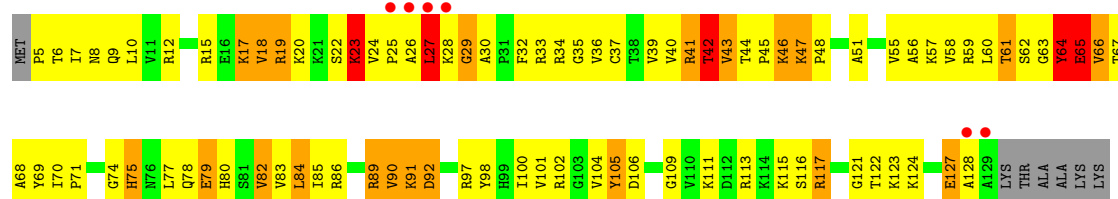
• Molecule 41: 30S ribosomal protein S11



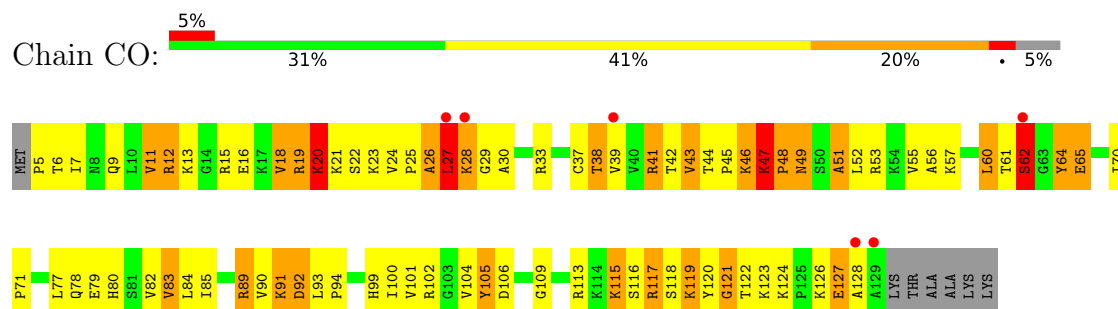
• Molecule 41: 30S ribosomal protein S11



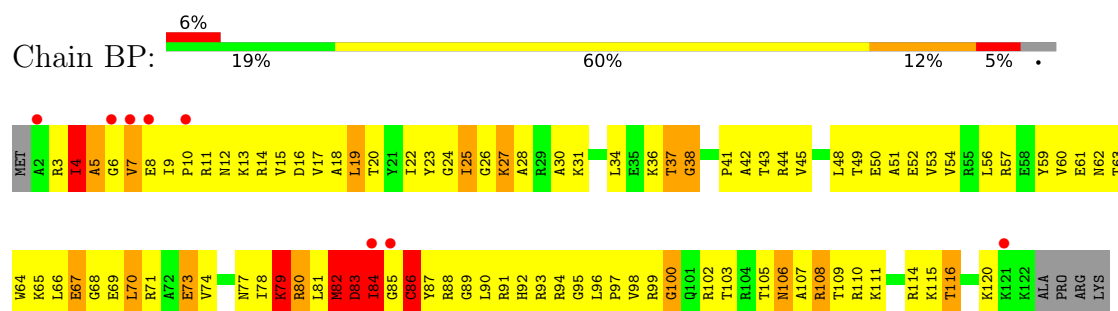
• Molecule 42: 30S ribosomal protein S12



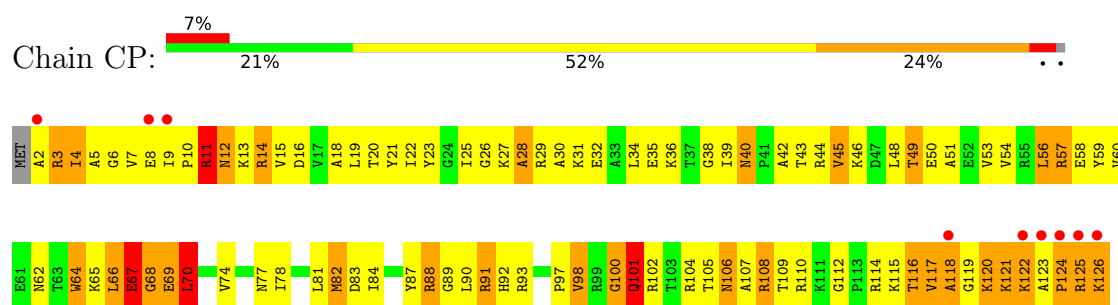
- Molecule 42: 30S ribosomal protein S12



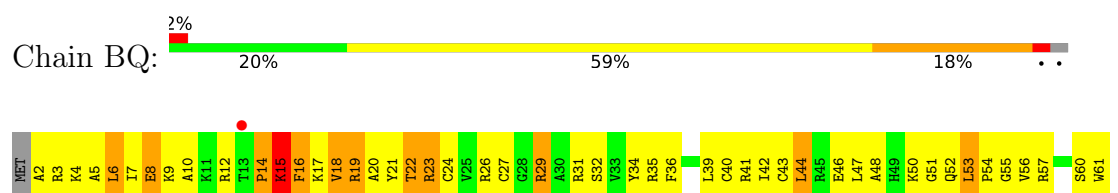
- Molecule 43: 30S ribosomal protein S13



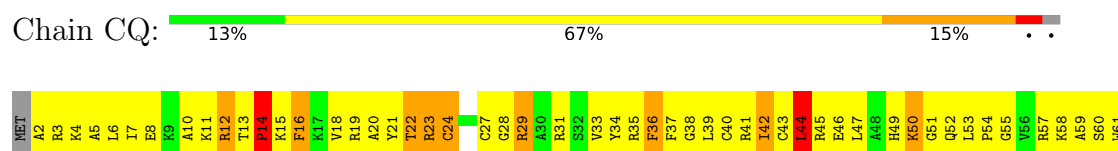
- Molecule 43: 30S ribosomal protein S13



- Molecule 44: 30S ribosomal protein S14 type Z

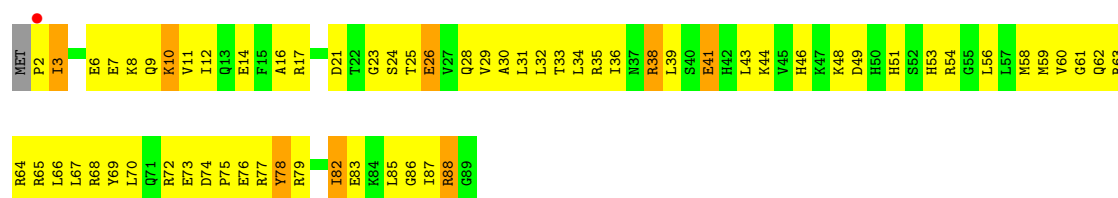


- Molecule 44: 30S ribosomal protein S14 type Z

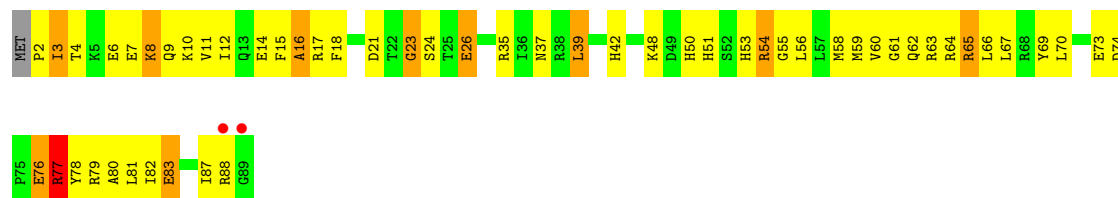


- Molecule 45: 30S ribosomal protein S15

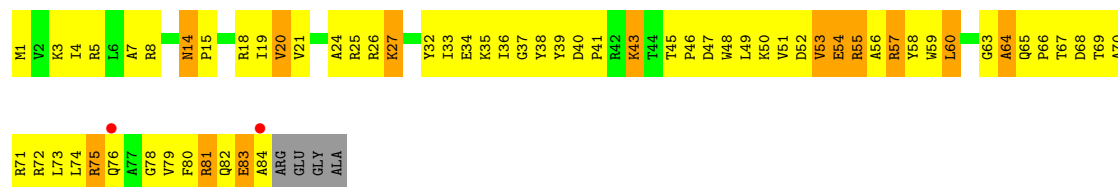




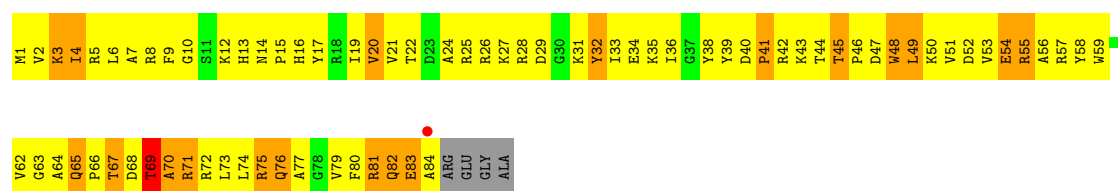
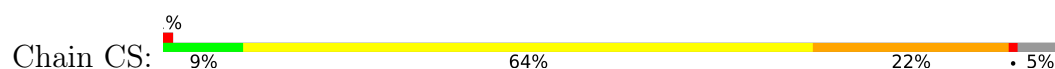
• Molecule 45: 30S ribosomal protein S15



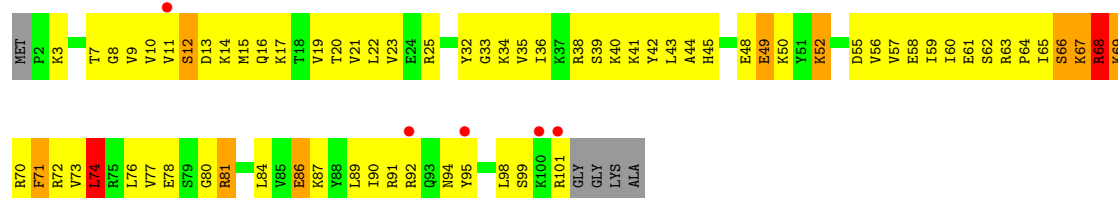
• Molecule 46: 30S ribosomal protein S16



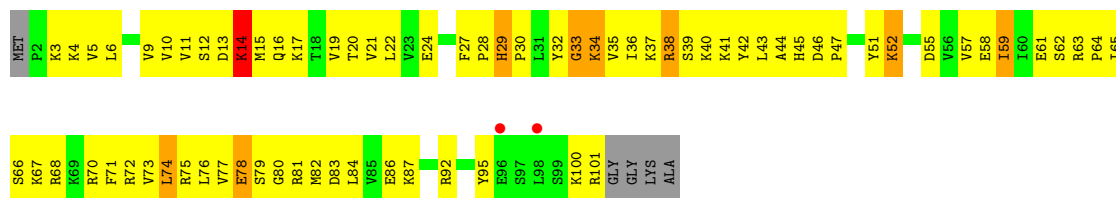
• Molecule 46: 30S ribosomal protein S16



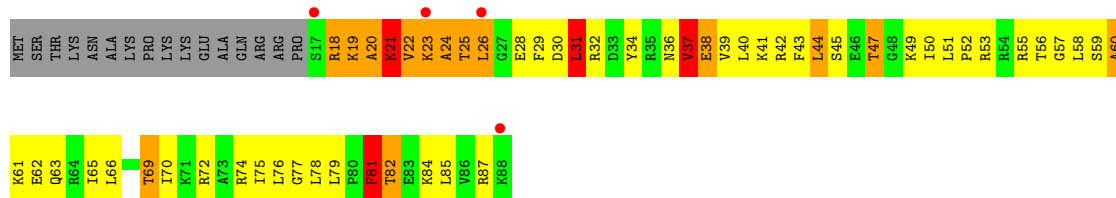
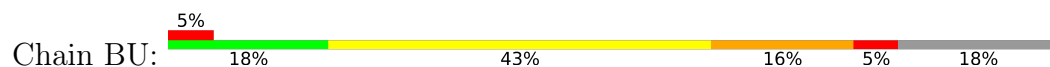
• Molecule 47: 30S ribosomal protein S17



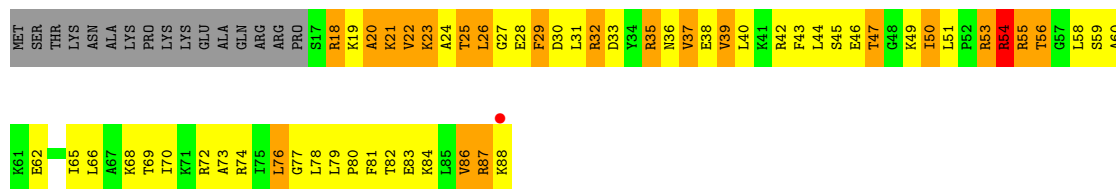
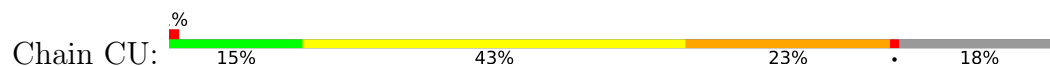
• Molecule 47: 30S ribosomal protein S17



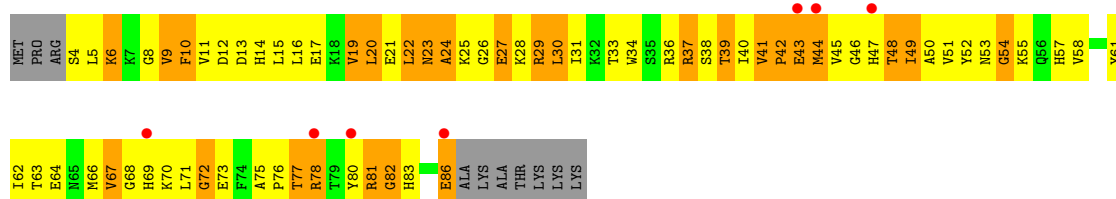
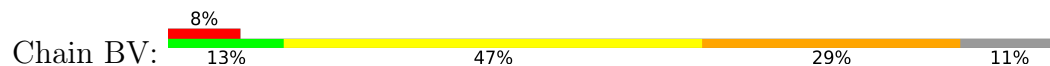
• Molecule 48: 30S ribosomal protein S18



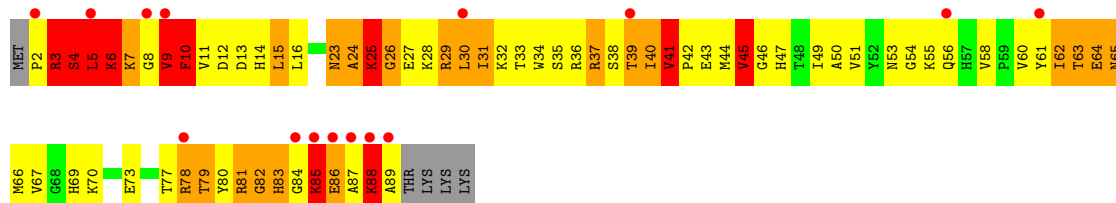
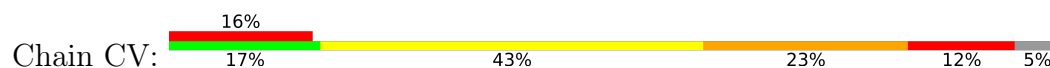
• Molecule 48: 30S ribosomal protein S18



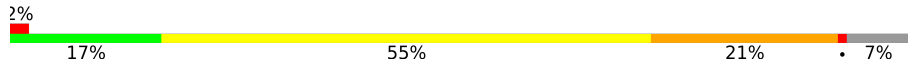
• Molecule 49: 30S ribosomal protein S19

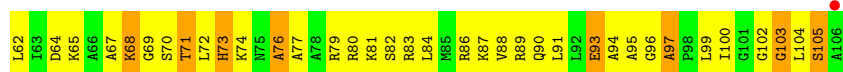
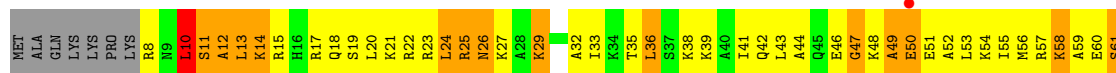


• Molecule 49: 30S ribosomal protein S19

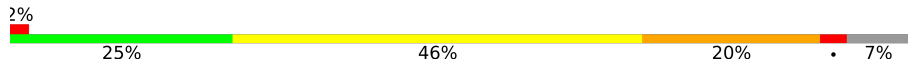


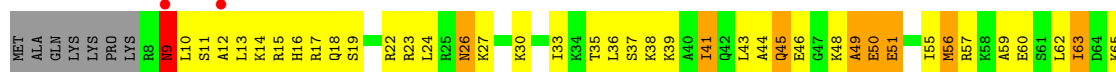
- Molecule 50: 30S ribosomal protein S20

Chain BW: 

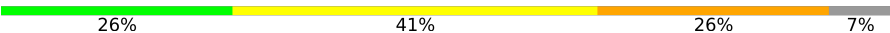


- Molecule 50: 30S ribosomal protein S20

Chain CW: 

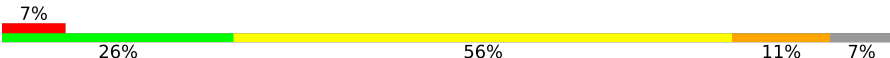


- Molecule 51: 30S ribosomal protein Thx

Chain BX: 



- Molecule 51: 30S ribosomal protein Thx

Chain CX: 

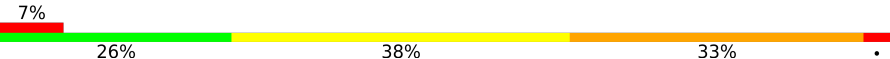


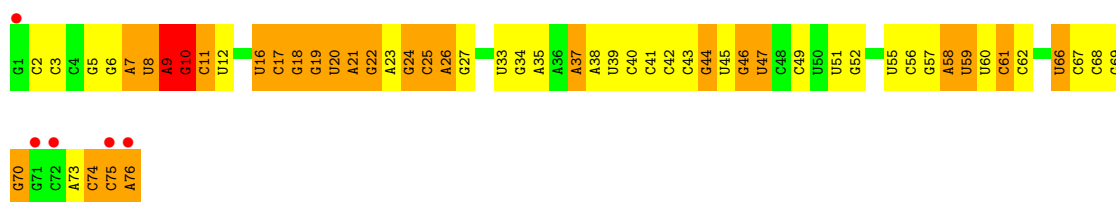
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BD: 



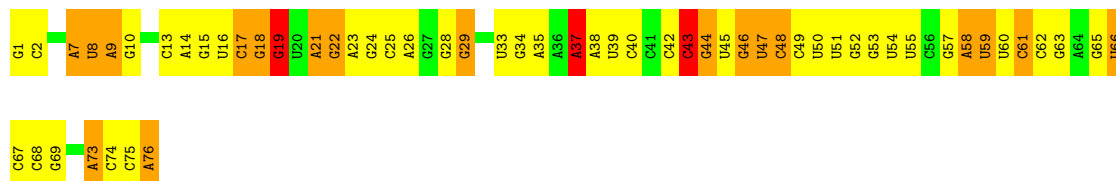
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BB: 



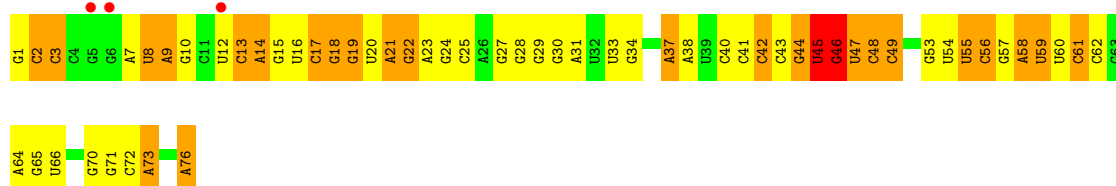
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BC: 24% 49% 24%



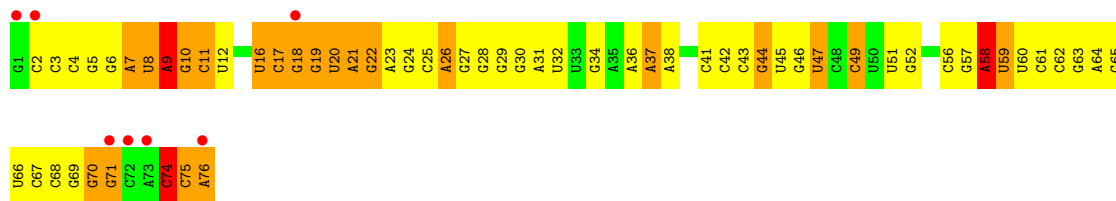
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain CD: 4% 24% 42% 32%



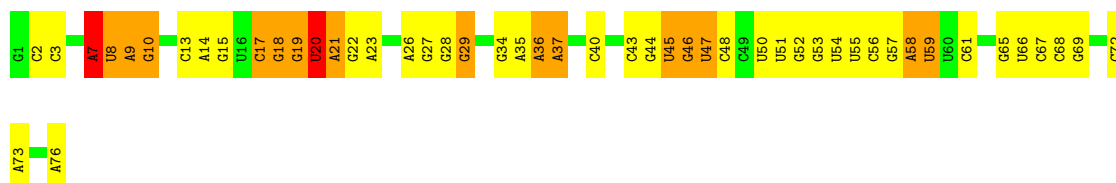
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain CB: 9% 20% 49% 28%

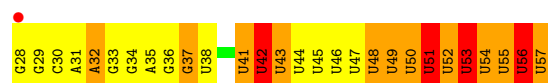


- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

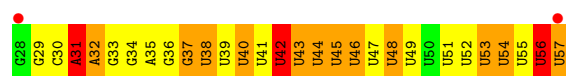
Chain CC: 34% 43% 20%



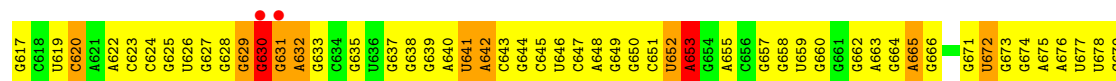
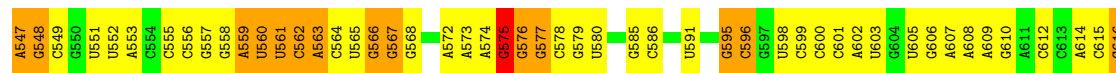
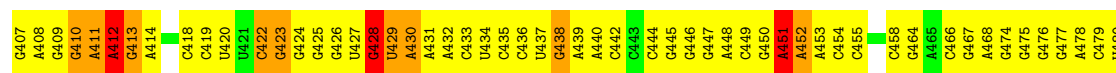
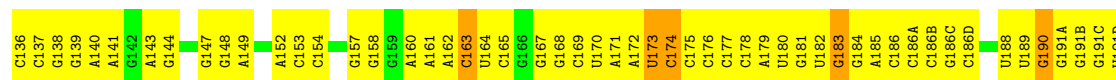
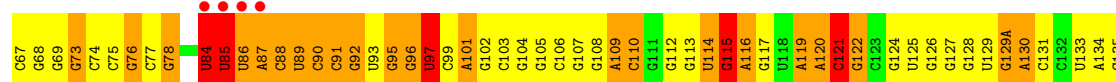
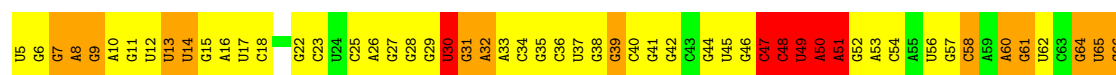
- Molecule 53: MRNA

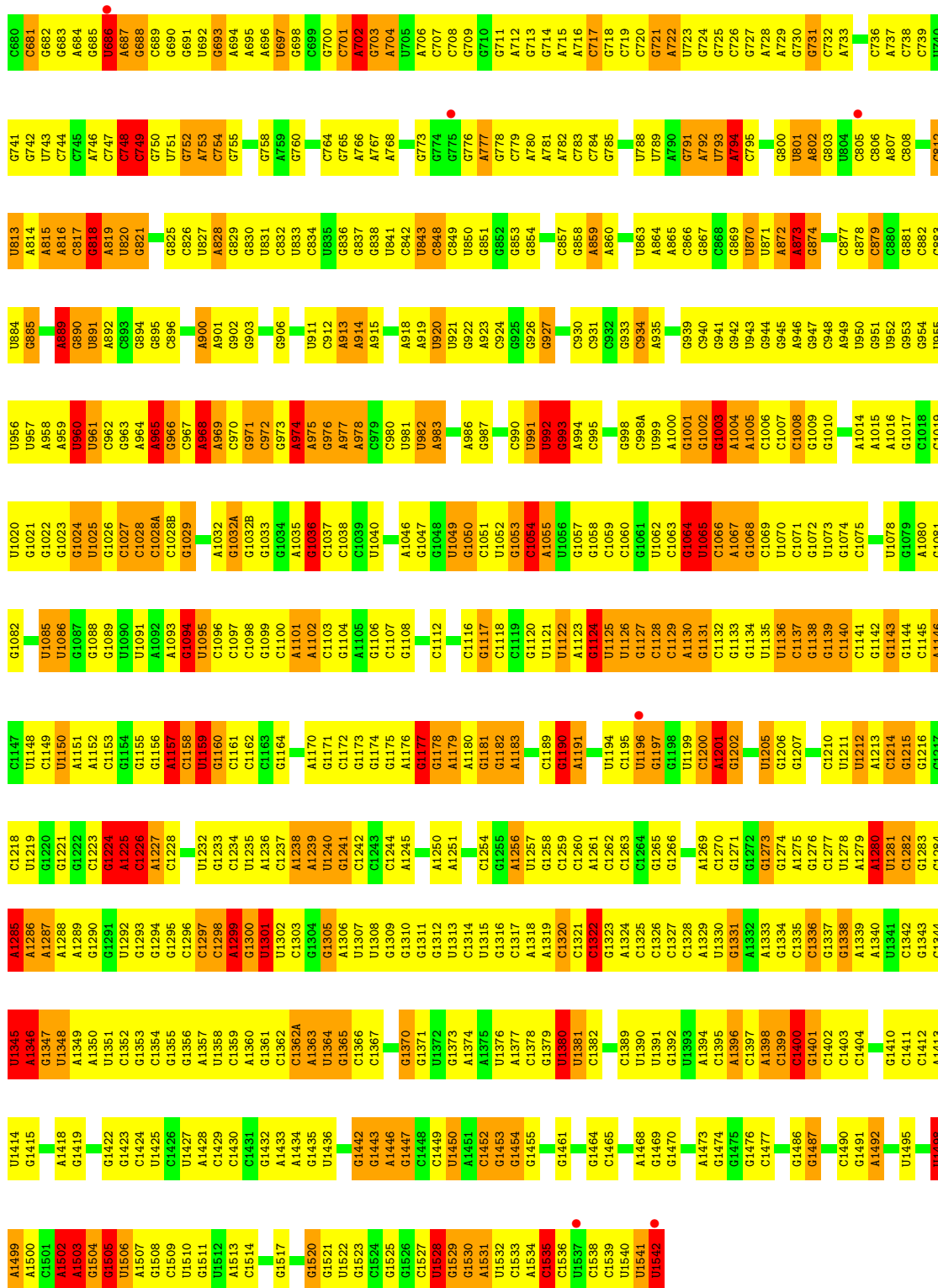


• Molecule 53: MRNA

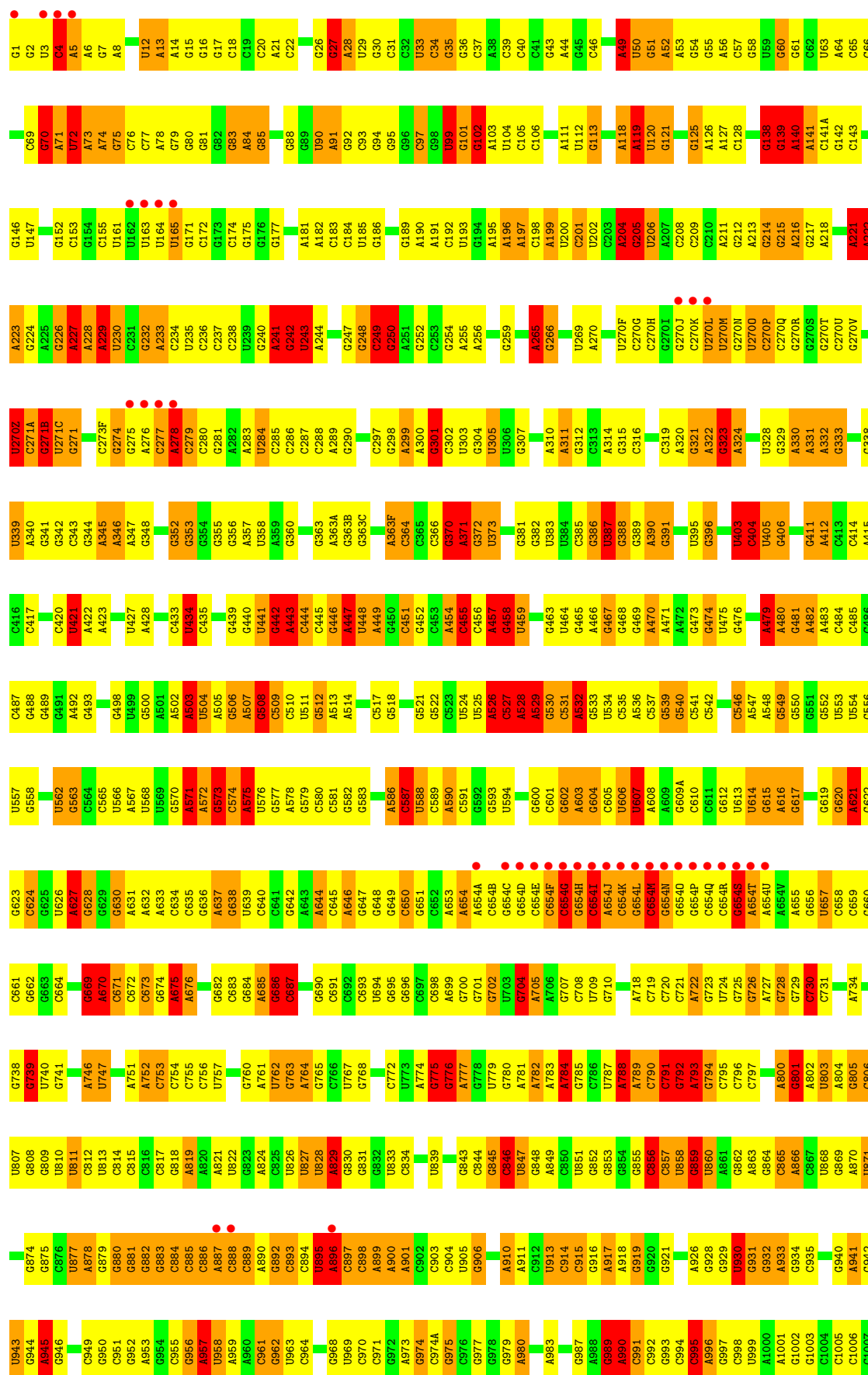


• Molecule 54: 16S ribosomal RNA





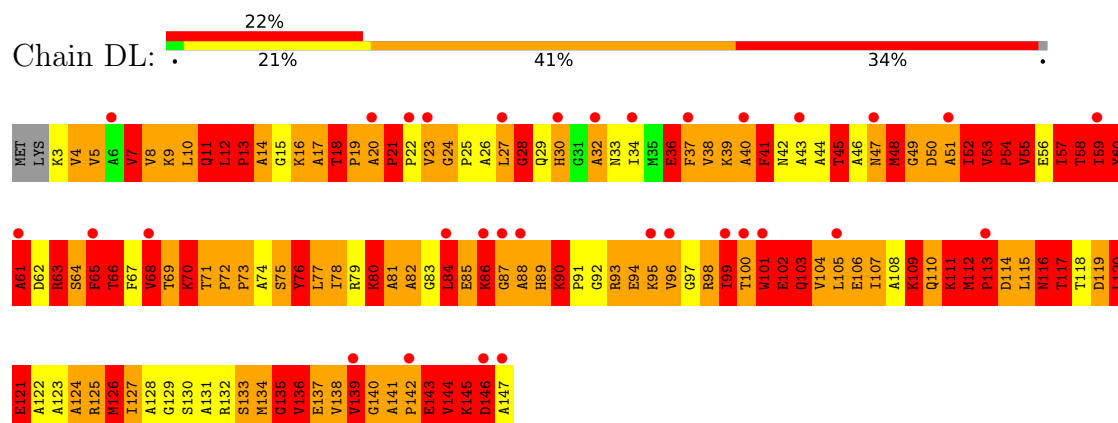
• Molecule 55: 23S RRNA



A1928	G1929	G1930	A1931	G1932	G1933	C1934	G1935	A1936	A1937	A1938	G1939	G1940	C1941	C1942	G1943	G1944	G1945	G1946	C1947	G1948	G1949	G1950	A1951	A1952	A1953	G1954	A1955	G1956	C1957	C1962	G1963	G1964	G1965	A1966	G1967	G1968	A1969	A1970	A1971	A1972	G1973	C1974	A1978	C1979	G1980	A1981	C1982	C1983	A1986	G1989	C1990	U1991	G1992	U1993																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
U1851	C1852	A1853	A1854	G1855	G1858	G1859	G1860	G1861	G1862	G1863	U1864	G1865	G1866	G1867	A1868	G1869	C1870	G1871	G1872	G1873	G1874	G1875	G1876	G1877	G1878	G1879	G1880	C1881	C1882	G1883	A1884	A1885	C1886	C1887	G1888	A1889	C1892	G1893	C1894	U1898	G1899	U1820	A1821	G1824	A1825	G1826	C1827	G1828	A1829	G1830	C1831	C1832	U1833	U1834	G1835	C1836	C1837	A1838	G1839	C1844	G1845	G1846	A1847	A1848	G1849	C1850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
A1786	A1787	C1788	A1789	C1790	A1791	G1792	C1793	U1794	C1795	U1796	C1797	U1798	G1799	C1800	G1801	A1802	A1803	C1804	C1882	G1883	A1884	A1885	A1810	G1811	A1812	G1813	G1814	A1815	G1816	A1817	U1818	A1819	G1820	C1751	C1752	U1757	G1758	A1759	G1826	G1827	G1828	A1829	C1830	G1831	C1832	U1833	U1834	G1835	C1836	C1837	A1838	G1839	C1844	G1845	G1846	A1847	A1848	G1849	C1850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
G1699	A1700	A1701	U1706	G1707	G1708	U1709	G1710	C1711	C1712	U1716	G1717	G1718	G1719	A1725	G1726	U1727	G1728	A1729	U1730	G1731	A1732	G1733	C1734	G1735	C1741	G1742	G1743	G1746	G1747	U1748	A1749	G1750	C1751	C1752	U1757	G1758	A1759	G1826	G1827	G1828	A1829	C1830	G1831	C1832	U1833	U1834	G1835	C1836	C1837	A1838	G1839	C1844	G1845	G1846	A1847	A1848	G1849	C1850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A1634	G1635	C1636	A1637	G1638	U1639	C1640	A1641	G1642	G1643	C1644	G1645	G1646	G1647	C1648	G1649	G1650	G1651	A1652	G1653	G1654	A1655	G1656	C1657	C1658	U1659	C1660	A1664	G1665	G1666	G1667	A1668	A1669	C1670	U1671	C1672	U1673	G1674	C1675	A1676	A1677	G1678	U1679	U1680	G1681	G1682	C1683	C1684	G1685	G1686	G1687	U1688	A1689	U1693	C1694	G1695	G1696	G1697	G1698																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
G1555	C1556	C1557	A1558	G1559	G1560	G1561	A1562	A1563	A1564	C1565	A1566	A1567	G1568	A1569	A1570	A1571	C1575	U1576	G1577	U1578	A1579	A1580	G1581	C1582	A1583	C1585	A1586	U1590	G1591	G1595	A1596	A1597	G1598	C1599	U1602	A1603	C1607	A1608	A1609	A1610	C1611	C1612	G1613	A1614	C1615	A1616	C1617	A1618	G1619	U1629	C1630	C1630A	A1554																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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C1345	G1346	G1347	G1348	A1349	A1354	G1355	G1356	U1357	G1358	A1359	A1360	G1361	A1365	A1366	G1367	G1368	A1369	G1370	U1371	U1372	A1373	G1374	C1375	C1376	G1377	A1378	A1379	G1380	A1384	G1385	G1386	C1387	G1388	G1389	A1392	A1393	U1394	A1395	U1396	U1397	C1398	C1399	C1403	C1404	U1405	C1406	C1407	C1408	C1411	U1412	G1413	G1416																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
G1280	G1281	U1282	G1283	A1284	G1285	A1286	A1287	U1288	G1289	C1290	C1291	U1292	C1293	U1294	G1299	U1300	A1301	A1302	G1303	A1307	A1308	G1309	G1310	G1311	U1312	U1313	C1314	G1315	U1316	A1317	G1318	G1319	C1320	A1321	A1322	U1323	G1324	G1325	U1326	G1327	G1328	U1329	A1330	A1331	G1332	C1333	G1334	U1335	A1336	G1337	G1338	G1339	U1340	U1341	A1342	G1343	G1344																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
C1208	G1209	A1210	G1283	G1211	G1212	A1213	A1220	C1221	C1222	C1225	C1230	G1231	G1232	G1235	G1236	G1238	G1239	U1240	A1241	A1242	G1243	G1244	G1247	G1248	U1249	G1250	G1251	G1252	A1253	A1254	U1255	G1256	C1259	G1260	G1261	A1262	U1263	G1264	G1265	A1266	U1267	A1268	C1269	A1270	G1271	A1272	U1273	A1274	C1282	C1283	A1275	G1277	C1279																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
C1140	U1141	G1142	A1143A	A1142A	G1144	C1145	G1149	C1150	G1151	C1152	C1153	G1154	A1155	A1156	G1157	C1161	G1162	G1163	G1164	U1165	C1166	U1167	G1168	G1169	G1170	G1171	G1172	G1173	U1174	U1175	G1176	A1177	G1178	C1179	C1180	C1181	A1182	G1186	G1187	U1188	A1189	G1190	G1191	G1192	G1193	A1194	G1195	U1199	C1200	C1201	G1202	C1203	U1205	G1206	G1207																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
A1077	U1078	C1079	A1080	U1081	U1082	U1083	A1084	A1085	A1086	G1087	A1088	G1089	U1090	G1091	C1092	G1093	U1094	A1095	A1096	U1097	A1098	G1099	C1100	U1101	C1102	A1103	C1104	U1105	G1106	G1107	U1108	C1109	G1110	A1111	G1112	U1113	C1116	G1117	G1120	C1121	G1122	C1123	G1124	G1125	A1126	A1127	A1128	U1129	U1130	G1131	A1132	U1133	A1070	G1136	U1205	G1137	G1138	A1139																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
C1008	A1009	A1010	G1011	U1012	C1013	U1014	G1015	U1019	A1020	A1021	G1022	U1023	G1024	G1025	G1026	A1027	G1030	G1031	A1032	A1098	G1099	C1100	U1101	C1102	A1103	C1104	U1105	G1106	G1107	U1108	C1109	G1110	A1111	G1112	U1113	C1116	G1117	G1120	C1121	G1122	C1123	G1124	G1125	A1126	A1127	A1128	U1129	U1130	G1131	A1132	U1133	A1070	G1136	U1205	G1137	G1138	A1139																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
G1074	C1075	C1076	G1077	G1078	C1079	G1074	G1075	G1076	G1077	G1078	G1079	G1080	G1081	G1082	G1083	G1084	G1085	G1086	G1087	G1088	G1089	G1090	G1091	G1092	G1093	G1094	G1095	G1096	G1097	G1098	G1099	G1100	G1101	G1102	G1103	G1104	G1105	G1106	G1107	G1108	G1109	G1110	G1111	G1112	G1113	G1114	G1115	G1116	G1117	G1118	G1119	G1120	G1121	G1122	G1123	G1124	G1125	G1126	G1127	G1128	G1129	G1130	G1131	G1132	G1133	G1134	G1135	G1136	G1137	G1138	G1139	G1140	G1141	G1142	G1143	G1144	G1145	G1146	G1147	G1148	G1149	G1150	G1151	G1152	G1153	G1154	G1155	G1156	G1157	G1158	G1159	G1160	G1161	G1162	G1163	G1164	G1165	G1166	G1167	G1168	G1169	G1170	G1171	G1172	G1173	G1174	G1175	G1176	G1177	G1178	G1179	G1180	G1181	G1182	G1183	G1184	G1185	G1186	G1187	G1188	G1189	G1190	G1191	G1192	G1193	G1194	G1195	G1196	G1197	G1198	G1199	G1200	G1201	G1202	G1203	G1204	G1205	G1206	G1207	G1208	G1209	G1210	G1211	G1212	G1213	G1214	G1215	G1216	G1217	G1218	G1219	G1220	G1221	G1222	G1223	G1224	G1225	G1226	G1227	G1228	G1229	G1230	G1231	G1232	G1233	G1234	G1235	G1236	G1237	G1238	G1239	G1240	G1241	G1242	G1243	G1244	G1245	G1246	G1247	G1248	G1249	G1250	G1251	G1252	G1253	G1254	G1255	G1256	G1257	G1258	G1259	G1260	G1261	G1262	G1263	G1264	G1265	G1266	G1267	G1268	G1269	G1270	G1271	G1272	G1273	G1274	G1275	G1276	G1277	G1278	G1279	G1280	G1281	G1282	G1283	G1284	G1285	G1286	G1287	G1288	G1289	G1290	G1291	G1292	G1293	G1294	G1295	G1296	G1297	G1298	G1299	G1300	G1301	G1302	G1303	G1304	G1305	G1306	G1307	G1308	G1309	G1310	G1311	G1312	G1313	G1314	G1315	G1316	G1317	G1318	G1319	G1320	G1321	G1322	G1323	G1324	G1325	G1326	G1327	G1328	G1329	G1330	G1331	G1332	G1333	G1334	G1335	G1336	G1337	G1338	G1339	G1340	G1341	G1342	G1343	G1344	G1345	G1346	G1347	G1348	G1349	G1350	G1351	G1352	G1353	G1354	G1355	G1356	G1357	G1358	G1359	G1360	G1361	G1362	G1363	G1364	G1365	G1366	G1367	G1368	G1369	G1370	G1371	G1372	G1373	G1374	G1375	G1376	G1377	G1378	G1379	G1380	G1381	G1382	G1383	G1384	G1385	G1386	G1387	G1388	G1389	G1390	G1391	G1392	G1393	G1394	G1395	G1396	G1397	G1398	G1399	G1400	G1401	G1402	G1403	G1404	G1405	G1406	G1407	G1408	G1409	G1410	G1411	G1412	G1413	G1414	G1415	G1416	G1417	G1418	G1419	G1420	G1421	G1422	G1423	G1424	G1425	G1426	G1427	G1428	G1429	G1430	G1431	G1432	G1433	G1434	G1435	G1436	G1437	G1438	G1439	G1440	G1441	G1442	G1443	G1444	G1445	G1446	G1447	G1448	G1449	G1450	G1451	G1452	G1453	G1454	G1455	G1456	G1457	G1458	G1459	G1460	G1461	G1462	G1463	G1464	G1465	G1466	G1467	G1468	G1469	G1470	G1471	G1472	G1473	G1474	G1475	G1476	G1477	G1478	G1479	G1480	G1481	G1482	G1483	G1484	G1485	G1486	G1487	G1488	G1489	G1490	G1491	G1492	G1493	G1494	G1495	G1496	G1497	G1498	G1499	G1500	G1501	G1502	G1503	G1504	G1505	G1506	G1507	G1508	G1509	G1510	G1511	G1512	G1513	G1514	G1515	G1516	G1517	G1518	G1519	G1520	G1521	G1522	G1523	G1524	G1525	G1526	G1527	G1528	G1529	G1530	G1531	G1532	G1533	G1534	G1535	G1536	G1537	G1538	G1539	G1540	G1541	G1542	G1543	G1544	G1545	G1546	G1547	G1548	G1549	G1550	G1551	G1552	G1553	G1554	G1555	G1556	G1557	G1558	G1559	G1560	G1561	G1562	G1563	G1564	G1565	G1566	G1567	G1568	G1569	G1570	G1571	G1572	G1573	G1574	G1575	G1576	G1577	G1578	G1579	G1580	G1581	G1582	G1583	G1584	G1585	G1586	G1587	G1588	G1589	G1590	G1591	G1592	G1593	G1594	G1595	G1596	G1597	G1598	G1599	G1600	G1601	G1602	G1603	G1604	G1605	G1606	G1607	G1608	G1609	G1610	G1611	G1612	G1613	G1614	G1615	G1616	G1617	G1618	G1619	G1620	G1621	G1622	G1623	G1

C2901	C2902	C1996	C1997	C1998	C1999	G2000	A2001	G2002	G2009	G2010	G2011	G2012	A2013	A2014	A2015	A2016	G2017	G2018	A2019	A2020	G2021	G2022	G2023	G2024	G2025	G2026	G2027	G2028	G2029	A2030	A2031	G2032	A2033	G2034	G2035	G2036	G2037	G2038	G2039	G2040	G2041	G2042	G2043	G2044	G2050	A2051	G2052	G2053	A2054	G2055	G2056	A2057	G2058	A2059	A2060	G2061	A2062	G2063	G2064
C2065	C2066	G2067	G2068	G2069	C2073	C2078	G2079	G2080	G2081	A2082	G2083	U2086	G2087	G2088	U2092	G2093	G2094	G2095	U2096	G2097	U2098	G2099	G2100	G2101	G2102	G2103	G2104	G2105	C2108	G2109	G2110	G2111	G2112	U2113	A2114	G2115	G2116	A2117	U2118	A2119	G2120	G2121	G2122	G2123	G2124	G2125	A2126	G2127	G2128	G2129	U2130	G2131	G2132	G2133					
A2134	A2135	C2136	G2141	G2142	G2143	U2144	C2145	C2146	G2147	G2148	G2149	U2150	G2151	G2152	G2153	G2154	G2155	G2156	G2157	A2158	G2159	G2160	G2161	U2162	G2163	G2164	G2165	G2166	U2167	G2168	A2169	A2170	A2171	U2172	A2173	C2174	C2175	A2176	C2177	G2178	C2179	G2182	C2183	G2186	G2187	G2188	U2189	G2190	U2197	G2198	A2199	C2205	G2210	G2211					
A2212	U2213	G2215	G2219	G2224	A2225	G2226	A2227	G2228	G2229	U2232	U2233	G2234	G2235	G2238	G2239	G2240	A2241	G2242	G2243	U2244	U2245	G2246	A2247	G2248	U2249	G2250	G2251	G2252	U2257	G2258	G2259	U2262	A2266	A2267	A2268	A2269	G2270	G2271	U2272	A2273	A2274	G2275	G2276	G2277	G2282	G2283	C2284	G2285	A2286	A2287	G2289								
G2290	U2291	C2292	C2293	U2296	G2297	A2298	G2302	G2303	G2304	A2305	C2306	G2307	G2308	A2309	A2310	A2311	G2312	G2313	G2314	G2315	G2316	C2317	G2318	G2319	A2320	G2321	G2325	G2326	A2327	A2328	G2329	G2330	G2331	U2332	A2333	G2334	A2335	A2336	G2337	G2340	G2341	G2342	C2343	U2344	G2345	A2346	C2347	U2348	G2349	C2350	G2353	G2354	C2355	C2356					
U2357	G2358	C2359	A2361	G2373	C2374	A2377	A2378	G2381	G2382	G2383	C2385	G2389	U2390	G2391	A2392	A2393	C2394	G2399	A2400	U2401	C2402	C2403	C2404	G2405	U2406	U2407	U2408	G2409	G2410	A2411	G2414	G2415	G2416	C2417	U2418	U2419	G2420	G2421	A2422	U2423	G2424	A2425	A2426	C2427	G2428	G2429	U2491	U2492	A2493	U2431	A2432	C2433	A2434						
A2435	G2436	A2439	C2440	C2441	G2442	C2443	G2444	G2447	U2448	U2449	A2450	A2451	C2452	A2453	A2454	G2455	G2456	U2457	A2458	A2459	U2460	C2461	U2462	C2463	C2464	C2465	C2466	C2467	G2468	A2469	G2470	C2471	G2472	U2473	C2474	C2475	A2476	C2477	A2478	G2479	C2480	G2481	G2482	C2483	G2484	G2485	G2486	G2487	A2488	G2489	G2490	U2491	U2492	U2493	C2496	A2497			
C2498	C2499	G2502	U2503	G2504	G2505	U2506	G2507	G2508	C2512	G2513	G2516	C2517	A2518	U2519	C2520	G2524	G2525	G2526	G2529	A2530	A2531	G2532	A2533	A2534	G2535	G2536	U2537	C2538	G2539	C2540	A2541	A2542	G2543	G2544	G2545	U2546	U2547	G2548	U2552	G2553	U2554	U2555	U2556	G2557	U2562	U2563	G2564	A2565	A2566	G2567	C2568	G2569							
G2570	C2571	A2572	C2573	G2574	G2575	G2576	U2580	G2581	G2582	G2583	U2584	U2585	A2586	A2587	G2588	A2589	A2590	C2591	G2592	U2593	C2594	G2595	G2599	A2600	G2601	G2602	A2603	G2604	G2606	G2607	G2608	U2609	G2610	U2611	G2612	U2613	A2614	U2615	G2616	G2617	G2618	G2619	C2620	G2625	G2626	G2627	G2628	A2629	G2630	G2631	A2632	G2635	U2636	U2637	G2638				
A2639	G2640	G2641	G2642	G2643	G2644	G2645	G2646	G2647	G2648	U2649	U2650	C2651	G2652	U2653	A2654	G2655	U2656	A2657	C2658	G2661	A2662	G2663	A2665	G2666	C2667	G2668	G2669	A2670	A2671	G2672	G2673	A2674	G2675	G2676	G2677	G2678	A2679	C2680	G2681	U2682	G2683	U2684	U2688	U2689	C2690	C2691	C2692	A2693	G2694	C2695	U2696	G2697	U2698	C2699	C2700	C2701			
U2702	C2703	G2707	G2708	G2709	G2710	A2711	U2712	A2712A	A2713	G2714	G2715	C2716	G2717	U2720	A2721	G2722	G2723	C2724	A2725	U2726	G2727	U2728	G2729	G2730	G2731	G2732	A2733	A2734	G2735	G2736	G2737	A2738	U2739	A2740	G2741	G2742	U2746	G2747	G2748	A2749	A2750	G2751	C2752	A2753	U2754	C2755	U2756	A2757	U2758	G2759	G2760	G2761	G2762	G2763	A2764	A2765			
G2766	G2770	C2771	C2772	C2773	G2774	A2775	A2776	G2777	A2778	U2779	G2780	A2781	G2782	G2783	C2784	C2785	U2786	G2787	G2788	A2789	A2790	C2791	G2792	G2793	G2794	G2795	U2797	G2798	A2799	G2801	C2803	G2804	G2805	G2807	U2808	A2809	G2810	G2811	G2812	A2813	C2814	C2815	C2816	G2817	A2820	A2821	G2822	A2823	G2830	G2831	U2832	G2833	A2834	G2835	U2836				
G2837	G2838	G2839	C2840	G2841	G2842	G2843	G2844	G2845	G2846	U2847	G2848	G2849	G2850	A2851	G2852	G2853	G2854	G2855	G2859	A2860	G2861	G2862	G2863	G2864	G2865	U2866	G2867	A2868	G2869	C2870	C2871	A2872	C2873	G2874	G2875	G2876	G2879	C2880	A2881	A2882	G2883	U2884	C2885	G2886	U2887	C2888	G2889	G2890	G2891	G2892	G2893	G2894	U2895	G2896	U2897	U2898	G2899	U2900	

• Molecule 56: 50S ribosomal protein L7/L12



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.46Å 446.20Å 623.05Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	300.00 – 3.10 300.00 – 3.10	Depositor EDS
% Data completeness (in resolution range)	96.5 (300.00-3.10) 99.7 (300.00-3.10)	Depositor EDS
R_{merge}	0.19	Depositor
R_{sym}	0.27	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.72 (at 3.01Å)	Xtriage
Refinement program	CNS	Depositor
R, R_{free}	0.215 , 0.255 0.221 , 0.259	Depositor DCC
R_{free} test set	34306 reflections (2.99%)	wwPDB-VP
Wilson B-factor (Å ²)	61.5	Xtriage
Anisotropy	0.212	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.28 , 74.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.43$, $\langle L^2 \rangle = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	307345	wwPDB-VP
Average B, all atoms (Å ²)	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.*

¹Intensities estimated from amplitudes.

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

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: 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	0.42	1/70167 (0.0%)	0.86	210/109541 (0.2%)
2	AB	0.35	0/2928	0.74	1/4568 (0.0%)
2	DB	0.42	0/2928	0.83	7/4568 (0.2%)
3	AD	0.59	0/2165	1.18	21/2919 (0.7%)
3	DD	0.70	0/2165	1.28	27/2919 (0.9%)
4	AE	0.50	0/1601	1.16	15/2160 (0.7%)
4	DE	0.61	0/1601	1.35	29/2160 (1.3%)
5	AF	0.47	0/1662	1.14	17/2249 (0.8%)
5	DF	0.61	0/1620	1.25	23/2194 (1.0%)
6	AG	0.37	0/1499	0.87	3/2016 (0.1%)
6	DG	0.46	0/1499	0.98	10/2016 (0.5%)
7	AH	0.40	0/1332	1.00	5/1802 (0.3%)
7	DH	0.53	0/1332	1.25	14/1802 (0.8%)
8	AK	0.42	0/1151	1.04	6/1558 (0.4%)
8	DK	0.46	0/1151	1.08	10/1558 (0.6%)
9	AM	0.43	0/1131	1.07	9/1525 (0.6%)
9	DM	0.57	0/1131	1.21	12/1525 (0.8%)
10	AN	0.48	0/943	0.99	5/1269 (0.4%)
10	DN	0.62	0/943	1.11	8/1269 (0.6%)
11	AO	0.49	0/1162	1.14	12/1544 (0.8%)
11	DO	0.65	0/1162	1.41	18/1544 (1.2%)
12	AP	0.48	0/1143	1.09	12/1527 (0.8%)
12	DP	0.67	0/1143	1.19	8/1527 (0.5%)
13	A0	0.48	0/974	0.97	3/1302 (0.2%)
13	D0	0.59	0/982	1.09	4/1312 (0.3%)
14	AQ	0.40	0/892	0.98	6/1187 (0.5%)
14	DQ	0.49	0/892	1.18	9/1187 (0.8%)
15	AR	0.44	0/1155	1.14	8/1542 (0.5%)
15	DR	0.54	0/1155	1.18	14/1542 (0.9%)
16	A1	0.43	0/982	1.06	6/1306 (0.5%)
16	D1	0.61	0/982	1.18	7/1306 (0.5%)
17	A2	0.47	0/790	1.16	10/1057 (0.9%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	D2	0.55	0/790	1.10	5/1057 (0.5%)
18	AS	0.54	0/911	1.01	3/1220 (0.2%)
18	DS	0.57	0/911	1.07	2/1220 (0.2%)
19	AT	0.54	0/739	1.06	5/993 (0.5%)
19	DT	0.58	0/739	1.13	6/993 (0.6%)
20	AU	0.56	0/798	1.17	8/1064 (0.8%)
20	DU	0.54	0/798	1.17	5/1064 (0.5%)
21	AV	0.44	0/1521	1.05	13/2064 (0.6%)
21	DV	0.70	3/1615 (0.2%)	1.22	24/2191 (1.1%)
22	A3	0.48	0/671	1.07	4/892 (0.4%)
22	D3	0.56	0/671	1.04	4/892 (0.4%)
23	AZ	0.50	0/770	1.12	7/1022 (0.7%)
23	DZ	0.56	0/770	1.09	5/1022 (0.5%)
24	AW	0.47	0/583	1.15	6/771 (0.8%)
24	DW	0.57	0/583	1.21	6/771 (0.8%)
25	AX	0.38	0/474	1.09	5/635 (0.8%)
25	DX	0.49	0/474	1.12	5/635 (0.8%)
26	A4	0.66	1/594 (0.2%)	1.12	3/795 (0.4%)
26	D4	0.55	0/594	1.45	11/795 (1.4%)
27	A5	0.51	0/473	0.97	1/639 (0.2%)
27	D5	0.64	0/473	1.21	3/639 (0.5%)
28	A6	0.45	0/396	1.24	7/529 (1.3%)
28	D6	0.42	0/396	1.25	4/529 (0.8%)
29	A7	0.59	0/438	1.04	2/575 (0.3%)
29	D7	0.67	0/438	1.11	2/575 (0.3%)
30	A8	0.63	0/525	1.42	9/691 (1.3%)
30	D8	0.76	0/525	1.37	6/691 (0.9%)
31	BA	0.37	1/36457 (0.0%)	0.79	87/56899 (0.2%)
32	BE	0.36	0/1959	0.92	11/2642 (0.4%)
32	CE	0.38	0/1959	0.98	8/2642 (0.3%)
33	BF	0.36	0/1636	0.90	2/2205 (0.1%)
33	CF	0.41	0/1629	0.89	5/2195 (0.2%)
34	BG	0.47	1/1733 (0.1%)	1.11	13/2318 (0.6%)
34	CG	0.49	0/1733	1.03	10/2318 (0.4%)
35	BH	0.41	0/1171	1.03	7/1576 (0.4%)
35	CH	0.46	0/1171	0.97	3/1576 (0.2%)
36	BI	0.47	0/856	0.96	4/1154 (0.3%)
36	CI	0.48	0/856	0.96	3/1154 (0.3%)
37	BJ	0.39	0/1276	0.96	5/1709 (0.3%)
37	CJ	0.40	0/1276	0.94	6/1709 (0.4%)
38	BK	0.37	0/1136	0.93	2/1527 (0.1%)
38	CK	0.45	0/1136	1.04	10/1527 (0.7%)
39	BL	0.36	0/1029	0.91	4/1379 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
39	CL	0.37	0/1029	1.01	6/1379 (0.4%)
40	BM	0.36	0/814	0.93	0/1095
40	CM	0.42	0/814	0.93	1/1095 (0.1%)
41	BN	0.43	0/900	0.98	6/1213 (0.5%)
41	CN	0.46	0/900	1.04	6/1213 (0.5%)
42	BO	0.44	0/991	0.98	1/1327 (0.1%)
42	CO	0.54	0/991	1.25	13/1327 (1.0%)
43	BP	0.41	0/974	0.99	4/1303 (0.3%)
43	CP	0.50	0/1008	1.07	6/1347 (0.4%)
44	BQ	0.39	0/501	0.94	2/664 (0.3%)
44	CQ	0.47	0/501	1.00	1/664 (0.2%)
45	BR	0.43	0/745	0.86	1/992 (0.1%)
45	CR	0.49	0/745	0.95	3/992 (0.3%)
46	BS	0.45	0/721	0.95	4/970 (0.4%)
46	CS	0.43	0/721	1.02	7/970 (0.7%)
47	BT	0.41	0/847	0.98	3/1131 (0.3%)
47	CT	0.41	0/847	0.93	2/1131 (0.2%)
48	BU	0.49	0/596	1.11	5/790 (0.6%)
48	CU	0.42	0/596	1.09	7/790 (0.9%)
49	BV	0.47	0/679	1.04	4/913 (0.4%)
49	CV	0.62	1/717 (0.1%)	1.35	12/963 (1.2%)
50	BW	0.39	0/765	1.00	5/1007 (0.5%)
50	CW	0.38	0/765	1.12	9/1007 (0.9%)
51	BX	0.37	0/221	0.94	1/288 (0.3%)
51	CX	0.40	0/221	0.79	0/288
52	BB	0.32	0/1783	0.73	3/2776 (0.1%)
52	BC	0.35	0/1783	0.79	1/2776 (0.0%)
52	BD	0.30	0/1783	0.66	1/2776 (0.0%)
52	CB	0.35	0/1783	0.85	6/2776 (0.2%)
52	CC	0.44	1/1783 (0.1%)	0.88	4/2776 (0.1%)
52	CD	0.34	0/1783	0.77	4/2776 (0.1%)
53	B1	0.37	0/689	0.93	4/1069 (0.4%)
53	C1	0.36	0/689	0.88	5/1069 (0.5%)
54	CA	0.39	0/36435	0.81	87/56865 (0.2%)
55	DA	0.50	0/70233	0.95	326/109643 (0.3%)
56	DI	1.41	4/236 (1.7%)	1.68	8/315 (2.5%)
56	DJ	1.95	6/236 (2.5%)	2.10	13/315 (4.1%)
57	DY	1.22	11/1123 (1.0%)	1.97	48/1520 (3.2%)
58	DL	1.00	6/1091 (0.5%)	1.94	42/1479 (2.8%)
All	All	0.46	36/328085 (0.0%)	0.94	1551/490785 (0.3%)

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 36 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BA	889	A	O3'-P	-20.66	1.30	1.61
56	DJ	17	VAL	CA-CB	-14.01	1.35	1.54
26	A4	1	MET	SD-CE	-12.31	1.48	1.79
57	DY	111	LEU	C-O	-11.39	1.10	1.23
56	DJ	17	VAL	CA-C	-11.25	1.38	1.52

The worst 5 of 1551 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	BA	889	A	O3'-P-O5'	-26.19	64.72	104.00
31	BA	889	A	P-O3'-C3'	-24.35	83.67	120.20
58	DL	23	VAL	N-CA-C	-18.61	93.15	113.43
57	DY	35	LYS	N-CA-C	-18.15	88.98	113.30
57	DY	118	THR	N-CA-C	16.72	122.49	108.78

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

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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	3588	1
2	AB	2617	0	1328	189	0
2	DB	2617	0	1328	116	0
3	AD	2115	0	2195	326	0
3	DD	2115	0	2195	383	0
4	AE	1568	0	1634	362	0
4	DE	1568	0	1634	286	0
5	AF	1627	0	1679	267	0
5	DF	1585	0	1631	204	0
6	AG	1474	0	1535	262	0
6	DG	1474	0	1535	293	0
7	AH	1307	0	1382	238	0
7	DH	1307	0	1382	261	0
8	AK	1136	0	1223	206	0
8	DK	1136	0	1221	239	0
9	AM	1104	0	1180	184	0
9	DM	1104	0	1180	186	0
10	AN	933	0	996	113	0
10	DN	933	0	996	116	0
11	AO	1145	0	1228	260	0
11	DO	1145	0	1227	273	0
12	AP	1122	0	1179	251	0
12	DP	1122	0	1179	188	0
13	A0	960	0	1021	141	0
13	D0	968	0	1033	157	0
14	AQ	882	0	943	153	0
14	DQ	882	0	943	147	0
15	AR	1141	0	1202	180	0
15	DR	1141	0	1202	188	0
16	A1	964	0	1022	173	1

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	D1	964	0	1022	150	0
17	A2	779	0	852	213	0
17	D2	779	0	852	151	0
18	AS	900	0	964	102	0
18	DS	900	0	963	94	0
19	AT	725	0	778	97	0
19	DT	725	0	778	80	0
20	AU	785	0	878	225	0
20	DU	785	0	878	177	0
21	AV	1489	0	1515	428	0
21	DV	1582	0	1613	462	0
22	A3	662	0	688	105	0
22	D3	662	0	688	84	0
23	AZ	763	0	848	108	0
23	DZ	763	0	848	94	0
24	AW	581	0	629	135	0
24	DW	581	0	629	78	0
25	AX	469	0	518	64	0
25	DX	469	0	518	48	0
26	A4	581	0	573	189	0
26	D4	581	0	573	183	0
27	A5	459	0	480	64	0
27	D5	459	0	480	85	0
28	A6	389	0	404	119	0
28	D6	389	0	404	128	0
29	A7	430	0	480	52	0
29	D7	430	0	480	37	0
30	A8	517	0	582	158	0
30	D8	517	0	582	105	0
31	BA	32571	0	16441	1933	1
32	BE	1924	0	1975	313	0
32	CE	1924	0	1975	305	0
33	BF	1612	0	1677	273	0
33	CF	1605	0	1668	230	0
34	BG	1703	0	1763	272	0
34	CG	1703	0	1763	255	0
35	BH	1155	0	1212	143	0
35	CH	1155	0	1213	160	0
36	BI	843	0	857	98	0
36	CI	843	0	857	106	0
37	BJ	1257	0	1296	150	0
37	CJ	1257	0	1296	153	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
38	BK	1116	0	1177	123	0
38	CK	1116	0	1177	170	0
39	BL	1010	0	1037	191	0
39	CL	1010	0	1037	156	0
40	BM	801	0	849	171	0
40	CM	801	0	849	151	0
41	BN	885	0	904	81	0
41	CN	885	0	904	83	0
42	BO	975	0	1062	145	0
42	CO	975	0	1062	144	0
43	BP	964	0	1034	198	0
43	CP	997	0	1072	205	0
44	BQ	492	0	529	89	0
44	CQ	492	0	529	89	0
45	BR	734	0	771	81	0
45	CR	734	0	771	77	0
46	BS	705	0	725	88	0
46	CS	705	0	725	137	0
47	BT	834	0	904	80	0
47	CT	834	0	904	95	0
48	BU	591	0	662	97	0
48	CU	591	0	662	102	0
49	BV	665	0	684	177	0
49	CV	702	0	728	167	0
50	BW	763	0	861	124	0
50	CW	763	0	861	125	0
51	BX	217	0	234	38	0
51	CX	217	0	234	24	0
52	BB	1626	0	832	97	0
52	BC	1626	0	833	88	0
52	BD	1626	0	833	91	0
52	CB	1626	0	832	101	0
52	CC	1626	0	832	62	0
52	CD	1626	0	832	120	0
53	B1	621	0	312	71	0
53	C1	621	0	312	79	0
54	CA	32551	0	16431	1899	0
55	DA	62707	0	31590	3333	1
56	DI	237	0	257	173	0
56	DJ	237	0	256	218	0
57	DY	1107	0	1166	969	0
58	DL	1071	0	1113	710	0

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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

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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

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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	27015	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 53.

The worst 5 of 27015 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
57:DY:51:LEU:HD21	57:DY:82:PHE:C	1.22	1.58
21:AV:175:VAL:HG12	21:AV:177:PRO:CD	1.26	1.56

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%)	0	3
3	DD	270/276 (98%)	193 (72%)	61 (23%)	16 (6%)	1	8
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	5
6	AG	179/182 (98%)	127 (71%)	36 (20%)	16 (9%)	0	3
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	1
9	DM	136/140 (97%)	106 (78%)	16 (12%)	14 (10%)	0	2
10	AN	120/122 (98%)	98 (82%)	17 (14%)	5 (4%)	2	13
10	DN	120/122 (98%)	104 (87%)	12 (10%)	4 (3%)	3	17
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

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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	0
13	A0	115/118 (98%)	84 (73%)	20 (17%)	11 (10%)	0	3
13	D0	116/118 (98%)	87 (75%)	17 (15%)	12 (10%)	0	2
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%)	0	3
15	DR	135/146 (92%)	92 (68%)	27 (20%)	16 (12%)	0	1
16	A1	115/118 (98%)	79 (69%)	27 (24%)	9 (8%)	1	4
16	D1	115/118 (98%)	96 (84%)	11 (10%)	8 (7%)	1	5
17	A2	99/101 (98%)	60 (61%)	17 (17%)	22 (22%)	0	0
17	D2	99/101 (98%)	80 (81%)	9 (9%)	10 (10%)	0	3
18	AS	111/113 (98%)	82 (74%)	21 (19%)	8 (7%)	1	5
18	DS	111/113 (98%)	87 (78%)	20 (18%)	4 (4%)	2	16
19	AT	90/96 (94%)	66 (73%)	17 (19%)	7 (8%)	1	4
19	DT	90/96 (94%)	75 (83%)	13 (14%)	2 (2%)	5	24
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	1
22	D3	82/85 (96%)	62 (76%)	14 (17%)	6 (7%)	1	5
23	AZ	95/98 (97%)	73 (77%)	10 (10%)	12 (13%)	0	1
23	DZ	95/98 (97%)	74 (78%)	13 (14%)	8 (8%)	0	4
24	AW	67/72 (93%)	42 (63%)	17 (25%)	8 (12%)	0	1
24	DW	67/72 (93%)	52 (78%)	8 (12%)	7 (10%)	0	2
25	AX	57/60 (95%)	46 (81%)	6 (10%)	5 (9%)	0	3
25	DX	57/60 (95%)	49 (86%)	5 (9%)	3 (5%)	1	10
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

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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%)	2	12
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%)	0	4
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	2
35	BH	149/162 (92%)	115 (77%)	22 (15%)	12 (8%)	1	4
35	CH	149/162 (92%)	115 (77%)	26 (17%)	8 (5%)	1	9
36	BI	99/101 (98%)	79 (80%)	15 (15%)	5 (5%)	1	10
36	CI	99/101 (98%)	66 (67%)	26 (26%)	7 (7%)	1	5
37	BJ	153/156 (98%)	115 (75%)	26 (17%)	12 (8%)	1	4
37	CJ	153/156 (98%)	120 (78%)	26 (17%)	7 (5%)	2	12
38	BK	136/138 (99%)	104 (76%)	21 (15%)	11 (8%)	1	4
38	CK	136/138 (99%)	101 (74%)	30 (22%)	5 (4%)	2	15
39	BL	125/128 (98%)	89 (71%)	28 (22%)	8 (6%)	1	6
39	CL	125/128 (98%)	93 (74%)	19 (15%)	13 (10%)	0	2
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	5
41	BN	117/129 (91%)	87 (74%)	21 (18%)	9 (8%)	1	4
41	CN	117/129 (91%)	90 (77%)	24 (20%)	3 (3%)	4	21
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
44	BQ	58/61 (95%)	39 (67%)	12 (21%)	7 (12%)	0	1
44	CQ	58/61 (95%)	37 (64%)	12 (21%)	9 (16%)	0	0
45	BR	86/89 (97%)	67 (78%)	16 (19%)	3 (4%)	3	16
45	CR	86/89 (97%)	66 (77%)	14 (16%)	6 (7%)	1	5
46	BS	82/88 (93%)	57 (70%)	19 (23%)	6 (7%)	1	5
46	CS	82/88 (93%)	54 (66%)	22 (27%)	6 (7%)	1	5
47	BT	98/105 (93%)	78 (80%)	11 (11%)	9 (9%)	0	3
47	CT	98/105 (93%)	75 (76%)	17 (17%)	6 (6%)	1	7
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	1
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%)	0	4
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%)	179 (84%)	35 (16%)	2	11
3	DD	214/218 (98%)	173 (81%)	41 (19%)	1	7
4	AE	165/166 (99%)	140 (85%)	25 (15%)	3	13
4	DE	165/166 (99%)	128 (78%)	37 (22%)	1	4
5	AF	165/166 (99%)	150 (91%)	15 (9%)	9	32
5	DF	161/166 (97%)	133 (83%)	28 (17%)	2	9
6	AG	155/156 (99%)	138 (89%)	17 (11%)	6	24
6	DG	155/156 (99%)	137 (88%)	18 (12%)	5	22
7	AH	142/148 (96%)	129 (91%)	13 (9%)	8	31
7	DH	142/148 (96%)	116 (82%)	26 (18%)	2	8
8	AK	122/124 (98%)	104 (85%)	18 (15%)	3	13
8	DK	122/124 (98%)	96 (79%)	26 (21%)	1	5
9	AM	117/119 (98%)	101 (86%)	16 (14%)	3	15
9	DM	117/119 (98%)	97 (83%)	20 (17%)	2	10
10	AN	100/100 (100%)	84 (84%)	16 (16%)	2	12
10	DN	100/100 (100%)	85 (85%)	15 (15%)	3	13
11	AO	116/116 (100%)	86 (74%)	30 (26%)	0	2
11	DO	116/116 (100%)	80 (69%)	36 (31%)	0	0
12	AP	111/111 (100%)	91 (82%)	20 (18%)	2	8
12	DP	111/111 (100%)	94 (85%)	17 (15%)	3	12
13	A0	100/101 (99%)	88 (88%)	12 (12%)	5	21
13	D0	101/101 (100%)	84 (83%)	17 (17%)	2	10
14	AQ	87/88 (99%)	75 (86%)	12 (14%)	3	15
14	DQ	87/88 (99%)	72 (83%)	15 (17%)	2	10
15	AR	120/127 (94%)	99 (82%)	21 (18%)	2	9
15	DR	120/127 (94%)	93 (78%)	27 (22%)	1	4
16	A1	93/94 (99%)	84 (90%)	9 (10%)	8	30
16	D1	93/94 (99%)	74 (80%)	19 (20%)	1	5
17	A2	82/82 (100%)	72 (88%)	10 (12%)	5	20

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
17	D2	82/82 (100%)	61 (74%)	21 (26%)	0	2
18	AS	92/92 (100%)	79 (86%)	13 (14%)	3	15
18	DS	92/92 (100%)	76 (83%)	16 (17%)	2	9
19	AT	74/78 (95%)	68 (92%)	6 (8%)	11	36
19	DT	74/78 (95%)	64 (86%)	10 (14%)	4	16
20	AU	85/91 (93%)	62 (73%)	23 (27%)	0	2
20	DU	85/91 (93%)	66 (78%)	19 (22%)	1	4
21	AV	164/179 (92%)	126 (77%)	38 (23%)	1	4
21	DV	173/179 (97%)	128 (74%)	45 (26%)	0	2
22	A3	66/67 (98%)	59 (89%)	7 (11%)	6	26
22	D3	66/67 (98%)	60 (91%)	6 (9%)	9	32
23	AZ	82/83 (99%)	70 (85%)	12 (15%)	3	14
23	DZ	82/83 (99%)	68 (83%)	14 (17%)	2	10
24	AW	64/67 (96%)	56 (88%)	8 (12%)	4	19
24	DW	64/67 (96%)	52 (81%)	12 (19%)	1	7
25	AX	51/52 (98%)	40 (78%)	11 (22%)	1	5
25	DX	51/52 (98%)	47 (92%)	4 (8%)	11	38
26	A4	63/63 (100%)	47 (75%)	16 (25%)	0	2
26	D4	63/63 (100%)	52 (82%)	11 (18%)	2	9
27	A5	51/52 (98%)	46 (90%)	5 (10%)	7	29
27	D5	51/52 (98%)	35 (69%)	16 (31%)	0	0
28	A6	44/52 (85%)	30 (68%)	14 (32%)	0	0
28	D6	44/52 (85%)	26 (59%)	18 (41%)	0	0
29	A7	42/42 (100%)	34 (81%)	8 (19%)	1	7
29	D7	42/42 (100%)	36 (86%)	6 (14%)	3	14
30	A8	54/55 (98%)	41 (76%)	13 (24%)	1	3
30	D8	54/55 (98%)	39 (72%)	15 (28%)	0	1
32	BE	205/220 (93%)	183 (89%)	22 (11%)	6	25
32	CE	205/220 (93%)	187 (91%)	18 (9%)	9	33
33	BF	160/188 (85%)	146 (91%)	14 (9%)	9	33
33	CF	159/188 (85%)	146 (92%)	13 (8%)	10	36

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	BG	180/181 (99%)	158 (88%)	22 (12%)	5	20
34	CG	180/181 (99%)	163 (91%)	17 (9%)	8	31
35	BH	116/123 (94%)	101 (87%)	15 (13%)	4	18
35	CH	116/123 (94%)	102 (88%)	14 (12%)	5	20
36	BI	90/90 (100%)	80 (89%)	10 (11%)	6	24
36	CI	90/90 (100%)	84 (93%)	6 (7%)	15	43
37	BJ	126/127 (99%)	113 (90%)	13 (10%)	7	27
37	CJ	126/127 (99%)	117 (93%)	9 (7%)	13	41
38	BK	119/119 (100%)	111 (93%)	8 (7%)	15	43
38	CK	119/119 (100%)	107 (90%)	12 (10%)	7	28
39	BL	98/99 (99%)	85 (87%)	13 (13%)	4	17
39	CL	98/99 (99%)	86 (88%)	12 (12%)	5	20
40	BM	89/92 (97%)	79 (89%)	10 (11%)	6	24
40	CM	89/92 (97%)	82 (92%)	7 (8%)	11	37
41	BN	90/99 (91%)	85 (94%)	5 (6%)	19	49
41	CN	90/99 (91%)	87 (97%)	3 (3%)	33	63
42	BO	104/109 (95%)	90 (86%)	14 (14%)	4	16
42	CO	104/109 (95%)	94 (90%)	10 (10%)	8	30
43	BP	97/101 (96%)	87 (90%)	10 (10%)	7	27
43	CP	100/101 (99%)	84 (84%)	16 (16%)	2	12
44	BQ	49/50 (98%)	43 (88%)	6 (12%)	5	20
44	CQ	49/50 (98%)	44 (90%)	5 (10%)	7	28
45	BR	79/80 (99%)	72 (91%)	7 (9%)	9	33
45	CR	79/80 (99%)	72 (91%)	7 (9%)	9	33
46	BS	72/74 (97%)	66 (92%)	6 (8%)	10	35
46	CS	72/74 (97%)	63 (88%)	9 (12%)	4	19
47	BT	95/97 (98%)	90 (95%)	5 (5%)	20	51
47	CT	95/97 (98%)	88 (93%)	7 (7%)	13	40
48	BU	63/77 (82%)	52 (82%)	11 (18%)	2	9
48	CU	63/77 (82%)	50 (79%)	13 (21%)	1	5
49	BV	72/80 (90%)	58 (81%)	14 (19%)	1	7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
49	CV	75/80 (94%)	51 (68%)	24 (32%)	0	0
50	BW	76/82 (93%)	68 (90%)	8 (10%)	6	26
50	CW	76/82 (93%)	67 (88%)	9 (12%)	5	21
51	BX	20/22 (91%)	17 (85%)	3 (15%)	3	13
51	CX	20/22 (91%)	19 (95%)	1 (5%)	22	53
56	DI	26/90 (29%)	14 (54%)	12 (46%)	0	0
56	DJ	26/90 (29%)	13 (50%)	13 (50%)	0	0
57	DY	117/135 (87%)	43 (37%)	74 (63%)	0	0
58	DL	109/111 (98%)	47 (43%)	62 (57%)	0	0
All	All	9931/10424 (95%)	8344 (84%)	1587 (16%)	2	12

5 of 1587 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
4	DE	73	GLU
58	DL	37	PHE
5	DF	33	LEU
4	DE	62	PRO
8	DK	57	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 343 such sidechains are listed below:

Mol	Chain	Res	Type
49	CV	57	HIS
10	DN	82	ASN
3	DD	58	HIS
6	DG	58	GLN
13	D0	61	HIS

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	2908/2909 (99%)	783 (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%)	334 (22%)	130 (8%)
52	BB	75/76 (98%)	28 (37%)	8 (10%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
52	BC	75/76 (98%)	20 (26%)	6 (8%)
52	BD	75/76 (98%)	15 (20%)	3 (4%)
52	CB	75/76 (98%)	25 (33%)	8 (10%)
52	CC	75/76 (98%)	18 (24%)	7 (9%)
52	CD	75/76 (98%)	23 (30%)	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%)	323 (21%)	138 (9%)
55	DA	2911/2912 (99%)	826 (28%)	374 (12%)
All	All	9599/9612 (99%)	2468 (25%)	1016 (10%)

5 of 2468 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	58	A
55	DA	1786	A
54	CA	993	G
55	DA	1694	C
55	DA	2296	U

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	CC	37	52	28,31,32	1.61	3 (10%)	38,44,47	1.73	3 (7%)
52	MIA	CD	37	52	28,31,32	1.67	3 (10%)	38,44,47	1.82	3 (7%)
52	MIA	BB	37	52	28,31,32	1.58	3 (10%)	38,44,47	1.98	3 (7%)
52	MIA	BC	37	52	28,31,32	1.35	2 (7%)	38,44,47	1.48	3 (7%)
52	MIA	CB	37	52	28,31,32	1.52	3 (10%)	38,44,47	1.68	2 (5%)
52	MIA	BD	37	52	28,31,32	1.72	3 (10%)	38,44,47	1.87	3 (7%)

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	CC	37	52	-	0/15/33/34	0/3/3/3
52	MIA	CD	37	52	-	5/15/33/34	0/3/3/3
52	MIA	BB	37	52	-	2/15/33/34	0/3/3/3
52	MIA	BC	37	52	-	2/15/33/34	0/3/3/3
52	MIA	CB	37	52	-	4/15/33/34	0/3/3/3
52	MIA	BD	37	52	-	2/15/33/34	0/3/3/3

The worst 5 of 17 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
52	CB	37	MIA	C13-C14	6.21	1.51	1.32
52	CC	37	MIA	C13-C14	6.20	1.51	1.32
52	BD	37	MIA	C13-C14	6.15	1.50	1.32
52	BB	37	MIA	C13-C14	6.14	1.50	1.32
52	CD	37	MIA	C13-C14	6.12	1.50	1.32

The worst 5 of 17 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
52	BB	37	MIA	C11-S10-C2	10.52	110.15	102.25
52	BD	37	MIA	C11-S10-C2	10.27	109.95	102.25
52	CD	37	MIA	C11-S10-C2	10.22	109.92	102.25
52	CC	37	MIA	C11-S10-C2	9.40	109.30	102.25
52	CB	37	MIA	C11-S10-C2	9.38	109.29	102.25

There are no chirality outliers.

5 of 15 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
52	BD	37	MIA	N1-C2-S10-C11
52	BD	37	MIA	N3-C2-S10-C11
52	BB	37	MIA	N6-C12-C13-C14
52	BC	37	MIA	N1-C2-S10-C11
52	CD	37	MIA	N1-C2-S10-C11

There are no ring outliers.

6 monomers are involved in 31 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
52	CC	37	MIA	1	0
52	CD	37	MIA	6	0
52	BB	37	MIA	4	0
52	BC	37	MIA	3	0
52	CB	37	MIA	8	0
52	BD	37	MIA	9	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides 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

The following chains have linkage breaks:

Mol	Chain	Number of breaks
31	BA	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	BA	889:A	O3'	890:G	P	1.30

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	AA	2909/2909 (100%)	-0.08	61 (2%) 63 42	24, 64, 192, 200	0
2	AB	122/122 (100%)	0.02	4 (3%) 49 29	71, 95, 122, 159	0
2	DB	122/122 (100%)	-0.39	1 (0%) 82 65	43, 62, 79, 132	0
3	AD	272/276 (98%)	0.22	5 (1%) 67 47	29, 49, 71, 94	0
3	DD	272/276 (98%)	-0.12	3 (1%) 78 59	15, 35, 58, 78	0
4	AE	205/206 (99%)	0.57	13 (6%) 26 14	41, 77, 115, 121	0
4	DE	205/206 (99%)	0.24	11 (5%) 31 17	16, 49, 92, 103	0
5	AF	208/210 (99%)	0.87	26 (12%) 8 5	33, 67, 130, 143	0
5	DF	202/210 (96%)	-0.06	1 (0%) 87 73	10, 43, 77, 88	0
6	AG	181/182 (99%)	0.63	8 (4%) 39 21	86, 105, 124, 138	0
6	DG	181/182 (99%)	0.50	12 (6%) 24 13	55, 70, 98, 109	0
7	AH	170/180 (94%)	0.91	18 (10%) 11 6	124, 158, 180, 187	0
7	DH	170/180 (94%)	0.93	16 (9%) 14 8	48, 84, 96, 100	0
8	AK	146/148 (98%)	0.93	15 (10%) 12 6	58, 93, 117, 128	0
8	DK	146/148 (98%)	0.78	10 (6%) 23 12	46, 93, 108, 114	0
9	AM	138/140 (98%)	0.51	5 (3%) 46 26	59, 83, 108, 111	0
9	DM	138/140 (98%)	0.33	12 (8%) 16 9	31, 48, 85, 96	0
10	AN	122/122 (100%)	0.26	2 (1%) 70 49	42, 68, 81, 87	0
10	DN	122/122 (100%)	-0.23	0 100 100	24, 44, 58, 66	0
11	AO	150/150 (100%)	1.02	15 (10%) 12 6	43, 83, 109, 137	0
11	DO	150/150 (100%)	0.34	6 (4%) 42 23	23, 54, 87, 117	0
12	AP	141/141 (100%)	0.50	8 (5%) 29 16	49, 84, 112, 122	0
12	DP	141/141 (100%)	0.34	11 (7%) 19 10	28, 48, 77, 95	0
13	A0	117/118 (99%)	0.00	1 (0%) 81 63	41, 60, 80, 91	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2		OWAB(Å ²)	Q<0.9
13	D0	118/118 (100%)	-0.10	1 (0%)	82 65	21, 47, 68, 78	0
14	AQ	111/112 (99%)	0.63	6 (5%)	31 17	71, 97, 127, 137	0
14	DQ	111/112 (99%)	0.50	8 (7%)	21 11	44, 63, 84, 97	0
15	AR	137/146 (93%)	0.66	10 (7%)	21 11	57, 77, 123, 139	0
15	DR	137/146 (93%)	0.30	5 (3%)	46 26	38, 59, 103, 134	0
16	A1	117/118 (99%)	0.41	2 (1%)	69 48	42, 76, 109, 122	0
16	D1	117/118 (99%)	-0.05	4 (3%)	48 28	25, 39, 64, 101	0
17	A2	101/101 (100%)	1.25	17 (16%)	4 2	41, 94, 110, 113	0
17	D2	101/101 (100%)	0.41	6 (5%)	28 15	18, 60, 77, 83	0
18	AS	113/113 (100%)	0.37	2 (1%)	67 47	39, 57, 84, 106	0
18	DS	113/113 (100%)	-0.07	4 (3%)	47 27	28, 40, 64, 109	0
19	AT	92/96 (95%)	0.53	6 (6%)	25 13	45, 62, 86, 90	0
19	DT	92/96 (95%)	-0.03	2 (2%)	62 41	24, 41, 60, 65	0
20	AU	102/110 (92%)	2.13	44 (43%)	0 0	58, 83, 144, 149	0
20	DU	102/110 (92%)	0.81	16 (15%)	5 2	44, 71, 114, 123	0
21	AV	187/206 (90%)	0.69	7 (3%)	45 25	96, 128, 171, 184	0
21	DV	200/206 (97%)	1.03	34 (17%)	4 2	48, 97, 155, 163	0
22	A3	84/85 (98%)	0.33	3 (3%)	46 26	52, 71, 99, 110	0
22	D3	84/85 (98%)	0.16	5 (5%)	27 15	25, 44, 80, 96	0
23	AZ	97/98 (98%)	0.56	10 (10%)	12 6	39, 61, 102, 111	0
23	DZ	97/98 (98%)	0.30	8 (8%)	17 10	23, 50, 98, 120	0
24	AW	69/72 (95%)	0.68	7 (10%)	12 6	48, 71, 115, 141	0
24	DW	69/72 (95%)	0.58	7 (10%)	12 6	29, 53, 84, 104	0
25	AX	59/60 (98%)	0.63	3 (5%)	33 18	60, 81, 101, 112	0
25	DX	59/60 (98%)	0.01	0 100	100	32, 50, 73, 89	0
26	A4	71/71 (100%)	1.17	10 (14%)	6 3	126, 151, 157, 158	0
26	D4	71/71 (100%)	1.33	15 (21%)	2 1	95, 125, 138, 143	0
27	A5	59/60 (98%)	0.93	14 (23%)	2 1	45, 65, 140, 145	0
27	D5	59/60 (98%)	0.63	10 (16%)	4 2	19, 57, 159, 165	0
28	A6	45/54 (83%)	1.73	19 (42%)	0 0	126, 140, 154, 156	0
28	D6	45/54 (83%)	1.96	19 (42%)	0 0	86, 120, 140, 143	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
29	A7	49/49 (100%)	0.17	4 (8%) 17 10	30, 40, 98, 125	0
29	D7	49/49 (100%)	-0.26	2 (4%) 41 23	16, 25, 82, 109	0
30	A8	64/65 (98%)	0.71	6 (9%) 14 8	45, 64, 95, 120	0
30	D8	64/65 (98%)	0.13	4 (6%) 26 14	25, 39, 55, 98	0
31	BA	1516/1516 (100%)	-0.11	19 (1%) 75 56	32, 82, 155, 200	0
32	BE	237/256 (92%)	1.07	25 (10%) 11 6	83, 120, 159, 171	0
32	CE	237/256 (92%)	0.87	22 (9%) 14 8	65, 104, 144, 155	0
33	BF	206/239 (86%)	0.71	7 (3%) 48 28	82, 108, 137, 147	0
33	CF	205/239 (85%)	0.55	5 (2%) 59 38	54, 85, 115, 122	0
34	BG	208/209 (99%)	0.45	10 (4%) 35 19	57, 76, 93, 103	0
34	CG	208/209 (99%)	0.65	5 (2%) 59 38	62, 80, 99, 104	0
35	BH	151/162 (93%)	0.50	2 (1%) 75 56	68, 82, 104, 117	0
35	CH	151/162 (93%)	0.30	1 (0%) 84 68	49, 69, 99, 114	0
36	BI	101/101 (100%)	0.48	1 (0%) 79 61	55, 73, 90, 109	0
36	CI	101/101 (100%)	0.37	1 (0%) 79 61	47, 73, 83, 109	0
37	BJ	155/156 (99%)	0.45	3 (1%) 66 45	69, 93, 115, 124	0
37	CJ	155/156 (99%)	0.47	8 (5%) 33 17	59, 85, 104, 117	0
38	BK	138/138 (100%)	0.28	1 (0%) 84 68	73, 85, 101, 109	0
38	CK	138/138 (100%)	0.23	1 (0%) 84 68	56, 74, 86, 89	0
39	BL	127/128 (99%)	0.59	5 (3%) 43 24	81, 114, 130, 141	0
39	CL	127/128 (99%)	0.46	1 (0%) 82 65	58, 105, 125, 134	0
40	BM	99/105 (94%)	0.90	6 (6%) 27 15	87, 121, 137, 139	0
40	CM	99/105 (94%)	0.95	9 (9%) 15 8	57, 106, 131, 133	0
41	BN	119/129 (92%)	0.41	5 (4%) 40 22	54, 77, 104, 125	0
41	CN	119/129 (92%)	0.15	3 (2%) 58 37	50, 70, 102, 120	0
42	BO	125/132 (94%)	0.35	6 (4%) 35 19	54, 74, 91, 124	0
42	CO	125/132 (94%)	0.18	6 (4%) 35 19	38, 51, 79, 111	0
43	BP	121/126 (96%)	0.54	8 (6%) 24 13	82, 118, 131, 135	0
43	CP	125/126 (99%)	0.75	9 (7%) 21 11	57, 92, 111, 123	0
44	BQ	60/61 (98%)	0.34	1 (1%) 69 48	78, 99, 117, 122	0
44	CQ	60/61 (98%)	0.34	0 100 100	65, 76, 88, 99	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
45	BR	88/89 (98%)	0.17	1 (1%) 78 59	52, 74, 102, 112	0
45	CR	88/89 (98%)	0.13	2 (2%) 61 39	43, 65, 93, 95	0
46	BS	84/88 (95%)	0.33	2 (2%) 59 38	57, 71, 92, 113	0
46	CS	84/88 (95%)	0.21	1 (1%) 76 58	53, 78, 103, 128	0
47	BT	100/105 (95%)	0.36	5 (5%) 34 18	60, 80, 106, 128	0
47	CT	100/105 (95%)	0.25	2 (2%) 65 44	56, 77, 94, 110	0
48	BU	72/88 (81%)	0.48	4 (5%) 30 16	59, 75, 115, 121	0
48	CU	72/88 (81%)	0.22	1 (1%) 73 53	56, 68, 105, 117	0
49	BV	83/93 (89%)	0.74	7 (8%) 17 9	112, 124, 144, 151	0
49	CV	88/93 (94%)	0.99	15 (17%) 4 2	80, 98, 123, 141	0
50	BW	99/106 (93%)	0.31	2 (2%) 65 44	61, 88, 128, 132	0
50	CW	99/106 (93%)	0.37	2 (2%) 65 44	60, 85, 120, 124	0
51	BX	25/27 (92%)	0.22	0 100 100	92, 114, 122, 125	0
51	CX	25/27 (92%)	0.58	2 (8%) 18 10	84, 93, 110, 118	0
52	BB	75/76 (98%)	0.35	5 (6%) 24 13	82, 170, 186, 188	0
52	BC	75/76 (98%)	-0.19	0 100 100	52, 85, 121, 139	0
52	BD	75/76 (98%)	0.77	6 (8%) 18 10	60, 156, 184, 192	0
52	CB	75/76 (98%)	0.60	7 (9%) 14 8	49, 148, 176, 180	0
52	CC	75/76 (98%)	-0.16	0 100 100	33, 67, 101, 114	0
52	CD	75/76 (98%)	0.72	3 (4%) 42 23	45, 151, 177, 181	0
53	B1	30/30 (100%)	0.43	1 (3%) 49 29	67, 153, 197, 198	0
53	C1	30/30 (100%)	0.61	2 (6%) 24 13	45, 141, 192, 194	0
54	CA	1515/1515 (100%)	-0.12	13 (0%) 81 63	27, 72, 153, 200	0
55	DA	2912/2912 (100%)	-0.42	60 (2%) 63 42	11, 42, 174, 200	0
56	DI	30/125 (24%)	1.29	8 (26%) 1 1	121, 127, 132, 143	0
56	DJ	30/125 (24%)	1.41	10 (33%) 1 0	124, 129, 137, 138	0
57	DY	145/173 (83%)	1.62	45 (31%) 1 1	132, 157, 169, 177	0
58	DL	145/147 (98%)	1.40	32 (22%) 2 1	128, 199, 200, 200	0
All	All	21582/22236 (97%)	0.22	992 (4%) 37 20	10, 73, 158, 200	0

The worst 5 of 992 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	AA	2901	C	11.2
20	AU	48	ALA	9.7
27	A5	2	ALA	9.1
43	CP	125	ARG	8.9
17	D2	36	PRO	8.0

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
52	MIA	BD	37	29/30	0.89	0.10	107,111,115,115	0
52	MIA	CD	37	29/30	0.89	0.11	106,108,109,110	0
52	MIA	BB	37	29/30	0.90	0.09	83,88,98,99	0
52	MIA	BC	37	29/30	0.92	0.10	70,75,80,81	0
52	MIA	CB	37	29/30	0.94	0.09	53,57,62,63	0
52	MIA	CC	37	29/30	0.96	0.08	49,53,60,61	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3695	1/1	-0.12	0.25	131,131,131,131	0
59	MG	BA	2198	1/1	-0.02	0.25	139,139,139,139	0
59	MG	DA	4927	1/1	-0.01	0.20	160,160,160,160	0
59	MG	BA	1725	1/1	-0.00	0.31	109,109,109,109	0
59	MG	BD	109	1/1	-0.00	0.21	139,139,139,139	0
59	MG	AA	3990	1/1	0.08	0.25	134,134,134,134	0
59	MG	AA	4049	1/1	0.09	0.35	115,115,115,115	0
59	MG	BA	1867	1/1	0.14	0.40	121,121,121,121	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2313	1/1	0.16	0.29	128,128,128,128	0
59	MG	DA	4851	1/1	0.17	0.25	139,139,139,139	0
59	MG	AA	4108	1/1	0.19	0.35	136,136,136,136	0
59	MG	BD	126	1/1	0.19	0.30	133,133,133,133	0
59	MG	AA	3837	1/1	0.20	0.32	116,116,116,116	0
59	MG	CA	1925	1/1	0.20	0.35	115,115,115,115	0
59	MG	BD	116	1/1	0.21	0.32	129,129,129,129	0
59	MG	AA	4075	1/1	0.22	0.41	132,132,132,132	0
59	MG	AA	4089	1/1	0.22	0.22	107,107,107,107	0
59	MG	BA	2093	1/1	0.24	0.25	106,106,106,106	0
59	MG	AA	4133	1/1	0.25	0.33	127,127,127,127	0
59	MG	BA	2189	1/1	0.25	0.17	140,140,140,140	0
59	MG	CS	104	1/1	0.25	0.42	125,125,125,125	0
59	MG	DA	4681	1/1	0.27	0.27	118,118,118,118	0
59	MG	BA	2188	1/1	0.27	0.42	102,102,102,102	0
59	MG	AA	3772	1/1	0.27	0.26	103,103,103,103	0
59	MG	AA	4143	1/1	0.28	0.32	112,112,112,112	0
59	MG	CA	2287	1/1	0.28	0.23	119,119,119,119	0
59	MG	BA	1660	1/1	0.28	0.28	101,101,101,101	0
59	MG	BA	2213	1/1	0.28	0.37	114,114,114,114	0
59	MG	BA	2197	1/1	0.29	0.18	136,136,136,136	0
59	MG	BA	1858	1/1	0.29	0.28	141,141,141,141	0
59	MG	BA	1621	1/1	0.31	0.41	120,120,120,120	0
59	MG	CA	1946	1/1	0.32	0.30	112,112,112,112	0
59	MG	DA	4493	1/1	0.33	0.31	107,107,107,107	0
59	MG	BA	2115	1/1	0.33	0.35	118,118,118,118	0
59	MG	BA	2052	1/1	0.35	0.20	128,128,128,128	0
59	MG	AA	3717	1/1	0.35	0.40	106,106,106,106	0
59	MG	BA	2106	1/1	0.35	0.32	104,104,104,104	0
59	MG	CA	1942	1/1	0.35	0.48	105,105,105,105	0
59	MG	AA	4119	1/1	0.35	0.32	112,112,112,112	0
59	MG	AA	3898	1/1	0.35	0.43	112,112,112,112	0
59	MG	CA	2304	1/1	0.35	0.31	124,124,124,124	0
59	MG	BA	2206	1/1	0.36	0.23	106,106,106,106	0
59	MG	CG	306	1/1	0.36	0.22	124,124,124,124	0
59	MG	CA	2256	1/1	0.37	0.24	110,110,110,110	0
59	MG	CA	2317	1/1	0.37	0.37	104,104,104,104	0
59	MG	DA	4627	1/1	0.37	0.26	80,80,80,80	0
59	MG	DA	4672	1/1	0.37	0.33	95,95,95,95	0
59	MG	BA	1956	1/1	0.37	0.30	111,111,111,111	0
59	MG	BA	2122	1/1	0.37	0.19	107,107,107,107	0
59	MG	CB	107	1/1	0.37	0.23	106,106,106,106	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3303	1/1	0.38	0.19	94,94,94,94	0
59	MG	AB	225	1/1	0.38	0.23	125,125,125,125	0
59	MG	CA	1848	1/1	0.38	0.30	100,100,100,100	0
59	MG	BA	1789	1/1	0.38	0.25	105,105,105,105	0
59	MG	BA	2150	1/1	0.38	0.20	96,96,96,96	0
59	MG	BA	2187	1/1	0.38	0.23	107,107,107,107	0
59	MG	AA	3897	1/1	0.38	0.22	103,103,103,103	0
59	MG	BA	1976	1/1	0.39	0.20	147,147,147,147	0
59	MG	BA	2153	1/1	0.39	0.20	100,100,100,100	0
59	MG	CA	2290	1/1	0.39	0.21	103,103,103,103	0
59	MG	CD	106	1/1	0.39	0.24	88,88,88,88	0
59	MG	AA	4064	1/1	0.39	0.29	76,76,76,76	0
59	MG	BA	1644	1/1	0.39	0.39	102,102,102,102	0
59	MG	CA	2282	1/1	0.41	0.20	128,128,128,128	0
59	MG	BA	2162	1/1	0.41	0.18	115,115,115,115	0
59	MG	CA	2114	1/1	0.41	0.44	111,111,111,111	0
59	MG	DA	4781	1/1	0.41	0.29	105,105,105,105	0
59	MG	AA	4128	1/1	0.41	0.19	116,116,116,116	0
59	MG	DA	4534	1/1	0.41	0.27	118,118,118,118	0
59	MG	BA	2244	1/1	0.42	0.28	113,113,113,113	0
59	MG	AA	4153	1/1	0.42	0.30	109,109,109,109	0
59	MG	CA	2056	1/1	0.42	0.33	120,120,120,120	0
59	MG	AA	3595	1/1	0.42	0.30	103,103,103,103	0
59	MG	BA	2212	1/1	0.43	0.27	91,91,91,91	0
59	MG	AA	3923	1/1	0.43	0.24	107,107,107,107	0
59	MG	CA	1798	1/1	0.43	0.39	139,139,139,139	0
59	MG	BA	1812	1/1	0.43	0.24	136,136,136,136	0
59	MG	CA	2124	1/1	0.43	0.32	94,94,94,94	0
59	MG	CA	1852	1/1	0.43	0.24	143,143,143,143	0
59	MG	DA	4698	1/1	0.43	0.46	104,104,104,104	0
59	MG	CA	1856	1/1	0.43	0.15	81,81,81,81	0
59	MG	CD	112	1/1	0.43	0.13	142,142,142,142	0
59	MG	BA	1857	1/1	0.43	0.25	122,122,122,122	0
59	MG	BA	1662	1/1	0.44	0.26	91,91,91,91	0
59	MG	BA	2183	1/1	0.44	0.34	107,107,107,107	0
59	MG	BA	2039	1/1	0.44	0.21	138,138,138,138	0
59	MG	CA	1843	1/1	0.44	0.20	99,99,99,99	0
59	MG	BA	1859	1/1	0.44	0.37	146,146,146,146	0
59	MG	DA	4265	1/1	0.45	0.38	95,95,95,95	0
59	MG	AA	3920	1/1	0.45	0.15	85,85,85,85	0
59	MG	CA	2241	1/1	0.45	0.21	98,98,98,98	0
59	MG	DA	4814	1/1	0.45	0.22	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	1840	1/1	0.45	0.09	156,156,156,156	0
59	MG	DA	3955	1/1	0.45	0.26	120,120,120,120	0
59	MG	DA	5042	1/1	0.45	0.32	106,106,106,106	0
60	ZN	A4	101	1/1	0.45	0.44	200,200,200,200	0
59	MG	AA	3499	1/1	0.46	0.32	101,101,101,101	0
59	MG	DA	4733	1/1	0.46	0.17	84,84,84,84	0
59	MG	BA	1873	1/1	0.46	0.27	109,109,109,109	0
59	MG	CA	2210	1/1	0.46	0.16	144,144,144,144	0
59	MG	CD	108	1/1	0.46	0.22	97,97,97,97	0
59	MG	CA	2220	1/1	0.46	0.34	112,112,112,112	0
59	MG	BA	2184	1/1	0.46	0.26	101,101,101,101	0
59	MG	AA	4137	1/1	0.46	0.27	90,90,90,90	0
59	MG	BA	2161	1/1	0.47	0.30	114,114,114,114	0
59	MG	DA	3647	1/1	0.47	0.44	108,108,108,108	0
59	MG	AB	223	1/1	0.47	0.19	112,112,112,112	0
59	MG	AA	3933	1/1	0.47	0.30	115,115,115,115	0
59	MG	AA	3964	1/1	0.47	0.31	111,111,111,111	0
59	MG	BB	106	1/1	0.47	0.28	116,116,116,116	0
59	MG	BB	109	1/1	0.47	0.19	119,119,119,119	0
59	MG	BA	2090	1/1	0.47	0.19	119,119,119,119	0
59	MG	AB	209	1/1	0.47	0.17	104,104,104,104	0
59	MG	CA	1859	1/1	0.48	0.23	106,106,106,106	0
59	MG	AA	4151	1/1	0.48	0.20	108,108,108,108	0
59	MG	DA	4615	1/1	0.48	0.27	123,123,123,123	0
59	MG	BA	1635	1/1	0.48	0.37	102,102,102,102	0
59	MG	DU	211	1/1	0.48	0.28	116,116,116,116	0
59	MG	DA	4662	1/1	0.48	0.31	101,101,101,101	0
59	MG	DA	4870	1/1	0.49	0.23	82,82,82,82	0
59	MG	DA	4746	1/1	0.49	0.20	98,98,98,98	0
59	MG	CA	1795	1/1	0.49	0.24	109,109,109,109	0
59	MG	BA	1866	1/1	0.49	0.31	111,111,111,111	0
59	MG	BA	1724	1/1	0.49	0.31	100,100,100,100	0
59	MG	CA	2148	1/1	0.50	0.20	69,69,69,69	0
59	MG	BA	2112	1/1	0.50	0.21	101,101,101,101	0
59	MG	BA	1710	1/1	0.50	0.29	90,90,90,90	0
59	MG	BA	2066	1/1	0.50	0.28	105,105,105,105	0
59	MG	DA	4852	1/1	0.50	0.37	142,142,142,142	0
59	MG	AA	3073	1/1	0.50	0.22	71,71,71,71	0
59	MG	BA	2026	1/1	0.50	0.21	128,128,128,128	0
59	MG	DA	4001	1/1	0.50	0.17	121,121,121,121	0
59	MG	DA	4041	1/1	0.50	0.28	101,101,101,101	0
59	MG	AA	4024	1/1	0.50	0.27	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1857	1/1	0.51	0.29	105,105,105,105	0
59	MG	BA	2243	1/1	0.51	0.49	114,114,114,114	0
59	MG	BA	1854	1/1	0.51	0.34	84,84,84,84	0
59	MG	DA	4573	1/1	0.51	0.27	102,102,102,102	0
59	MG	BA	2048	1/1	0.51	0.26	95,95,95,95	0
59	MG	CA	1750	1/1	0.51	0.26	82,82,82,82	0
59	MG	AA	3452	1/1	0.51	0.28	97,97,97,97	0
59	MG	AA	3886	1/1	0.52	0.46	103,103,103,103	0
59	MG	BA	1906	1/1	0.52	0.23	107,107,107,107	0
59	MG	AA	4091	1/1	0.52	0.22	107,107,107,107	0
59	MG	AA	4130	1/1	0.52	0.32	107,107,107,107	0
59	MG	DA	4495	1/1	0.52	0.29	111,111,111,111	0
59	MG	AA	3591	1/1	0.52	0.21	106,106,106,106	0
59	MG	CA	2122	1/1	0.52	0.20	123,123,123,123	0
59	MG	DA	3575	1/1	0.52	0.24	112,112,112,112	0
59	MG	BA	2170	1/1	0.52	0.20	151,151,151,151	0
59	MG	BA	1830	1/1	0.52	0.34	90,90,90,90	0
59	MG	DG	204	1/1	0.52	0.38	104,104,104,104	0
59	MG	DA	3933	1/1	0.52	0.21	113,113,113,113	0
59	MG	BA	1624	1/1	0.52	0.22	84,84,84,84	0
59	MG	DA	4742	1/1	0.53	0.16	128,128,128,128	0
59	MG	BA	2174	1/1	0.53	0.22	125,125,125,125	0
59	MG	DA	3665	1/1	0.53	0.22	110,110,110,110	0
59	MG	CA	2092	1/1	0.53	0.43	94,94,94,94	0
59	MG	DA	4604	1/1	0.53	0.18	111,111,111,111	0
59	MG	DA	3912	1/1	0.53	0.17	89,89,89,89	0
59	MG	BA	2047	1/1	0.53	0.20	107,107,107,107	0
59	MG	CA	2121	1/1	0.53	0.22	125,125,125,125	0
59	MG	AA	3344	1/1	0.53	0.29	76,76,76,76	0
59	MG	AA	4093	1/1	0.53	0.37	114,114,114,114	0
59	MG	AA	4107	1/1	0.53	0.22	98,98,98,98	0
59	MG	AA	3929	1/1	0.53	0.21	104,104,104,104	0
59	MG	BA	1828	1/1	0.54	0.43	114,114,114,114	0
59	MG	BA	1698	1/1	0.54	0.40	104,104,104,104	0
59	MG	AA	3872	1/1	0.54	0.36	90,90,90,90	0
59	MG	DA	3904	1/1	0.54	0.18	105,105,105,105	0
59	MG	BA	2208	1/1	0.54	0.20	105,105,105,105	0
59	MG	BA	1851	1/1	0.54	0.17	142,142,142,142	0
59	MG	DA	3950	1/1	0.54	0.26	117,117,117,117	0
59	MG	AA	4051	1/1	0.54	0.17	106,106,106,106	0
59	MG	BA	1872	1/1	0.54	0.36	103,103,103,103	0
59	MG	DA	4007	1/1	0.54	0.13	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	2040	1/1	0.54	0.15	93,93,93,93	0
59	MG	CA	2305	1/1	0.54	0.18	81,81,81,81	0
59	MG	AA	3877	1/1	0.55	0.41	109,109,109,109	0
59	MG	BD	122	1/1	0.55	0.36	100,100,100,100	0
59	MG	BD	125	1/1	0.55	0.32	105,105,105,105	0
59	MG	BA	2097	1/1	0.55	0.22	94,94,94,94	0
59	MG	AA	3951	1/1	0.55	0.27	98,98,98,98	0
59	MG	AA	4019	1/1	0.55	0.33	99,99,99,99	0
59	MG	BC	116	1/1	0.55	0.14	107,107,107,107	0
59	MG	CA	1660	1/1	0.55	0.24	79,79,79,79	0
59	MG	CA	2049	1/1	0.55	0.20	113,113,113,113	0
59	MG	BA	2075	1/1	0.55	0.32	101,101,101,101	0
59	MG	BA	2171	1/1	0.55	0.27	132,132,132,132	0
59	MG	DF	320	1/1	0.55	0.13	58,58,58,58	0
59	MG	BG	306	1/1	0.55	0.24	108,108,108,108	0
59	MG	CA	1840	1/1	0.55	0.18	84,84,84,84	0
59	MG	BA	2007	1/1	0.55	0.22	106,106,106,106	0
59	MG	DA	4773	1/1	0.56	0.28	81,81,81,81	0
59	MG	AA	4079	1/1	0.56	0.29	92,92,92,92	0
59	MG	CA	2123	1/1	0.56	0.33	100,100,100,100	0
59	MG	DA	4826	1/1	0.56	0.30	71,71,71,71	0
59	MG	CA	1953	1/1	0.56	0.17	80,80,80,80	0
59	MG	AA	3779	1/1	0.56	0.29	86,86,86,86	0
59	MG	DA	3576	1/1	0.56	0.24	102,102,102,102	0
59	MG	BA	1663	1/1	0.56	0.17	94,94,94,94	0
59	MG	AA	3376	1/1	0.56	0.22	116,116,116,116	0
59	MG	BA	2167	1/1	0.56	0.23	101,101,101,101	0
59	MG	CA	2120	1/1	0.56	0.23	84,84,84,84	0
59	MG	BD	124	1/1	0.56	0.24	104,104,104,104	0
59	MG	DA	4535	1/1	0.56	0.29	89,89,89,89	0
59	MG	CD	123	1/1	0.57	0.16	120,120,120,120	0
59	MG	CA	2168	1/1	0.57	0.20	108,108,108,108	0
59	MG	BA	2205	1/1	0.57	0.20	109,109,109,109	0
59	MG	CA	2217	1/1	0.57	0.25	93,93,93,93	0
59	MG	B1	104	1/1	0.57	0.18	116,116,116,116	0
59	MG	BA	1607	1/1	0.57	0.22	74,74,74,74	0
59	MG	CG	307	1/1	0.57	0.25	106,106,106,106	0
59	MG	CA	1915	1/1	0.57	0.18	108,108,108,108	0
59	MG	AA	3423	1/1	0.57	0.38	99,99,99,99	0
59	MG	AA	3766	1/1	0.57	0.40	86,86,86,86	0
59	MG	CA	2149	1/1	0.57	0.21	103,103,103,103	0
59	MG	AA	3113	1/1	0.58	0.15	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4149	1/1	0.58	0.28	125,125,125,125	0
59	MG	AA	3781	1/1	0.58	0.21	104,104,104,104	0
59	MG	AA	4099	1/1	0.58	0.27	96,96,96,96	0
59	MG	CA	2245	1/1	0.58	0.18	133,133,133,133	0
59	MG	CA	1912	1/1	0.58	0.30	81,81,81,81	0
59	MG	BA	1917	1/1	0.58	0.17	64,64,64,64	0
59	MG	AA	3805	1/1	0.58	0.33	94,94,94,94	0
59	MG	DA	4948	1/1	0.58	0.22	126,126,126,126	0
59	MG	BA	1967	1/1	0.58	0.35	77,77,77,77	0
59	MG	DA	3403	1/1	0.58	0.35	89,89,89,89	0
59	MG	BA	1975	1/1	0.58	0.23	109,109,109,109	0
59	MG	AA	3718	1/1	0.58	0.28	84,84,84,84	0
59	MG	BA	2234	1/1	0.58	0.29	108,108,108,108	0
59	MG	AA	4096	1/1	0.59	0.40	114,114,114,114	0
59	MG	CA	2043	1/1	0.59	0.31	100,100,100,100	0
59	MG	AA	3813	1/1	0.59	0.13	99,99,99,99	0
59	MG	CA	1860	1/1	0.59	0.27	107,107,107,107	0
59	MG	CA	2068	1/1	0.59	0.17	89,89,89,89	0
59	MG	AA	3796	1/1	0.59	0.37	94,94,94,94	0
59	MG	AA	3193	1/1	0.59	0.23	99,99,99,99	0
59	MG	CA	1634	1/1	0.59	0.27	91,91,91,91	0
59	MG	AN	201	1/1	0.59	0.38	118,118,118,118	0
59	MG	DV	301	1/1	0.59	0.30	108,108,108,108	0
59	MG	BA	1971	1/1	0.59	0.23	98,98,98,98	0
59	MG	CE	305	1/1	0.60	0.17	95,95,95,95	0
59	MG	CA	2010	1/1	0.60	0.35	104,104,104,104	0
59	MG	BF	301	1/1	0.60	0.17	104,104,104,104	0
59	MG	BB	112	1/1	0.60	0.21	107,107,107,107	0
59	MG	BA	2140	1/1	0.60	0.35	103,103,103,103	0
59	MG	AA	3361	1/1	0.60	0.21	93,93,93,93	0
59	MG	AA	3861	1/1	0.60	0.29	99,99,99,99	0
59	MG	BD	117	1/1	0.60	0.27	115,115,115,115	0
59	MG	DA	4304	1/1	0.60	0.20	94,94,94,94	0
59	MG	CA	1684	1/1	0.60	0.27	103,103,103,103	0
59	MG	AA	3725	1/1	0.60	0.18	89,89,89,89	0
59	MG	BA	1780	1/1	0.60	0.38	85,85,85,85	0
59	MG	DA	4880	1/1	0.60	0.16	110,110,110,110	0
59	MG	AA	3195	1/1	0.60	0.20	82,82,82,82	0
59	MG	DA	3598	1/1	0.60	0.25	116,116,116,116	0
59	MG	DA	4578	1/1	0.60	0.23	95,95,95,95	0
59	MG	BA	1805	1/1	0.60	0.24	99,99,99,99	0
59	MG	CA	2310	1/1	0.60	0.14	127,127,127,127	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3828	1/1	0.60	0.19	113,113,113,113	0
59	MG	DA	3827	1/1	0.60	0.15	97,97,97,97	0
59	MG	CA	1968	1/1	0.60	0.24	90,90,90,90	0
59	MG	CA	2299	1/1	0.61	0.20	111,111,111,111	0
59	MG	BA	1720	1/1	0.61	0.37	95,95,95,95	0
59	MG	DA	4552	1/1	0.61	0.27	83,83,83,83	0
59	MG	DA	4565	1/1	0.61	0.16	119,119,119,119	0
59	MG	CA	1980	1/1	0.61	0.22	83,83,83,83	0
59	MG	CA	1847	1/1	0.61	0.23	95,95,95,95	0
59	MG	CB	106	1/1	0.61	0.23	97,97,97,97	0
59	MG	CA	2311	1/1	0.61	0.19	81,81,81,81	0
59	MG	DA	3136	1/1	0.61	0.24	63,63,63,63	0
59	MG	DA	3314	1/1	0.61	0.11	83,83,83,83	0
59	MG	DA	4952	1/1	0.61	0.20	86,86,86,86	0
59	MG	DA	4973	1/1	0.61	0.19	115,115,115,115	0
59	MG	AA	4046	1/1	0.61	0.20	111,111,111,111	0
59	MG	DB	269	1/1	0.61	0.37	91,91,91,91	0
59	MG	AA	3485	1/1	0.61	0.43	91,91,91,91	0
59	MG	CA	2051	1/1	0.61	0.21	89,89,89,89	0
59	MG	AA	3788	1/1	0.61	0.33	87,87,87,87	0
59	MG	BA	2027	1/1	0.61	0.20	107,107,107,107	0
59	MG	BA	2225	1/1	0.61	0.16	98,98,98,98	0
59	MG	DA	4683	1/1	0.62	0.34	100,100,100,100	0
59	MG	BA	2238	1/1	0.62	0.17	95,95,95,95	0
59	MG	AA	4087	1/1	0.62	0.33	89,89,89,89	0
59	MG	AB	229	1/1	0.62	0.12	67,67,67,67	0
59	MG	BA	2251	1/1	0.62	0.29	89,89,89,89	0
59	MG	BA	2036	1/1	0.62	0.25	86,86,86,86	0
59	MG	AA	3441	1/1	0.62	0.20	102,102,102,102	0
59	MG	DA	4783	1/1	0.62	0.31	93,93,93,93	0
59	MG	CA	1864	1/1	0.62	0.35	82,82,82,82	0
59	MG	DA	4285	1/1	0.62	0.22	70,70,70,70	0
59	MG	CA	2285	1/1	0.62	0.18	135,135,135,135	0
59	MG	C1	101	1/1	0.62	0.30	156,156,156,156	0
59	MG	CA	2103	1/1	0.62	0.31	111,111,111,111	0
59	MG	BS	106	1/1	0.62	0.34	100,100,100,100	0
59	MG	AA	3995	1/1	0.62	0.32	103,103,103,103	0
59	MG	AA	4124	1/1	0.62	0.20	107,107,107,107	0
59	MG	AA	3336	1/1	0.62	0.15	122,122,122,122	0
59	MG	BA	2117	1/1	0.62	0.20	109,109,109,109	0
59	MG	AA	3807	1/1	0.62	0.20	87,87,87,87	0
59	MG	DB	211	1/1	0.62	0.39	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DB	225	1/1	0.62	0.16	76,76,76,76	0
59	MG	AA	3985	1/1	0.62	0.24	97,97,97,97	0
59	MG	BA	2148	1/1	0.62	0.16	110,110,110,110	0
59	MG	DA	3770	1/1	0.62	0.33	88,88,88,88	0
59	MG	CA	2318	1/1	0.62	0.21	112,112,112,112	0
59	MG	CA	1996	1/1	0.62	0.20	94,94,94,94	0
59	MG	CA	2186	1/1	0.62	0.18	121,121,121,121	0
59	MG	DA	4595	1/1	0.63	0.28	84,84,84,84	0
59	MG	DA	4829	1/1	0.63	0.17	106,106,106,106	0
59	MG	CA	1939	1/1	0.63	0.15	81,81,81,81	0
59	MG	CG	310	1/1	0.63	0.28	96,96,96,96	0
59	MG	BA	1768	1/1	0.63	0.25	75,75,75,75	0
59	MG	DA	4641	1/1	0.63	0.20	134,134,134,134	0
59	MG	DA	3615	1/1	0.63	0.31	112,112,112,112	0
59	MG	BA	2107	1/1	0.63	0.16	83,83,83,83	0
59	MG	CA	2197	1/1	0.63	0.20	107,107,107,107	0
59	MG	DA	4433	1/1	0.63	0.15	90,90,90,90	0
59	MG	BA	2265	1/1	0.63	0.24	111,111,111,111	0
59	MG	CA	1717	1/1	0.63	0.17	67,67,67,67	0
59	MG	BA	1714	1/1	0.63	0.20	69,69,69,69	0
59	MG	BA	1974	1/1	0.63	0.23	109,109,109,109	0
59	MG	DA	4751	1/1	0.63	0.18	121,121,121,121	0
59	MG	AB	233	1/1	0.63	0.12	86,86,86,86	0
59	MG	AA	3543	1/1	0.63	0.16	77,77,77,77	0
59	MG	BA	2041	1/1	0.63	0.39	91,91,91,91	0
59	MG	AA	3878	1/1	0.63	0.19	84,84,84,84	0
59	MG	CD	129	1/1	0.64	0.24	95,95,95,95	0
59	MG	AA	3891	1/1	0.64	0.30	105,105,105,105	0
59	MG	CA	2295	1/1	0.64	0.17	110,110,110,110	0
59	MG	DA	4753	1/1	0.64	0.31	68,68,68,68	0
59	MG	AA	3884	1/1	0.64	0.20	94,94,94,94	0
59	MG	CA	2164	1/1	0.64	0.28	103,103,103,103	0
59	MG	AA	3880	1/1	0.64	0.18	102,102,102,102	0
59	MG	DA	3345	1/1	0.64	0.30	80,80,80,80	0
59	MG	CA	2308	1/1	0.64	0.32	107,107,107,107	0
59	MG	DA	3520	1/1	0.64	0.30	95,95,95,95	0
59	MG	DA	3528	1/1	0.64	0.13	45,45,45,45	0
59	MG	CA	2172	1/1	0.64	0.33	95,95,95,95	0
59	MG	CA	2057	1/1	0.64	0.21	111,111,111,111	0
59	MG	DA	3577	1/1	0.64	0.25	101,101,101,101	0
59	MG	DA	3586	1/1	0.64	0.29	83,83,83,83	0
59	MG	BA	2064	1/1	0.64	0.22	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2077	1/1	0.64	0.26	96,96,96,96	0
59	MG	BA	2253	1/1	0.64	0.17	103,103,103,103	0
59	MG	DA	4993	1/1	0.64	0.10	139,139,139,139	0
59	MG	BA	2111	1/1	0.64	0.18	79,79,79,79	0
59	MG	DA	5067	1/1	0.64	0.19	119,119,119,119	0
59	MG	AA	3917	1/1	0.64	0.35	98,98,98,98	0
59	MG	BA	1994	1/1	0.64	0.21	107,107,107,107	0
59	MG	CA	1997	1/1	0.64	0.30	96,96,96,96	0
59	MG	CA	2263	1/1	0.64	0.30	98,98,98,98	0
59	MG	CA	2277	1/1	0.64	0.27	103,103,103,103	0
59	MG	AB	214	1/1	0.64	0.21	105,105,105,105	0
59	MG	CA	2027	1/1	0.64	0.31	110,110,110,110	0
59	MG	BA	2192	1/1	0.64	0.17	102,102,102,102	0
59	MG	DA	4519	1/1	0.65	0.19	118,118,118,118	0
59	MG	AA	4044	1/1	0.65	0.27	93,93,93,93	0
59	MG	BA	2270	1/1	0.65	0.21	100,100,100,100	0
59	MG	CA	1835	1/1	0.65	0.10	114,114,114,114	0
59	MG	CA	2303	1/1	0.65	0.19	102,102,102,102	0
59	MG	DA	3722	1/1	0.65	0.15	83,83,83,83	0
59	MG	BA	1647	1/1	0.65	0.24	78,78,78,78	0
59	MG	CA	2071	1/1	0.65	0.37	100,100,100,100	0
59	MG	AA	3649	1/1	0.65	0.17	96,96,96,96	0
59	MG	AW	101	1/1	0.65	0.20	97,97,97,97	0
59	MG	AA	3438	1/1	0.65	0.16	99,99,99,99	0
59	MG	DA	3344	1/1	0.65	0.41	90,90,90,90	0
59	MG	CA	2105	1/1	0.65	0.32	94,94,94,94	0
59	MG	BD	113	1/1	0.65	0.12	78,78,78,78	0
59	MG	DA	3481	1/1	0.65	0.31	93,93,93,93	0
59	MG	BA	1612	1/1	0.65	0.40	90,90,90,90	0
59	MG	DA	4128	1/1	0.65	0.24	85,85,85,85	0
59	MG	AA	3942	1/1	0.65	0.27	85,85,85,85	0
59	MG	BD	118	1/1	0.65	0.28	107,107,107,107	0
59	MG	AA	3243	1/1	0.65	0.12	99,99,99,99	0
59	MG	AA	3608	1/1	0.65	0.14	86,86,86,86	0
59	MG	CA	2132	1/1	0.65	0.18	80,80,80,80	0
59	MG	CA	1767	1/1	0.65	0.21	80,80,80,80	0
59	MG	DA	4779	1/1	0.65	0.23	92,92,92,92	0
59	MG	BA	1824	1/1	0.66	0.11	107,107,107,107	0
59	MG	DA	3979	1/1	0.66	0.16	82,82,82,82	0
59	MG	BA	2178	1/1	0.66	0.21	141,141,141,141	0
59	MG	AA	3567	1/1	0.66	0.15	82,82,82,82	0
59	MG	AA	3402	1/1	0.66	0.24	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4115	1/1	0.66	0.15	81,81,81,81	0
59	MG	AB	219	1/1	0.66	0.09	75,75,75,75	0
59	MG	AA	4131	1/1	0.66	0.16	99,99,99,99	0
59	MG	CA	2198	1/1	0.66	0.25	81,81,81,81	0
59	MG	AA	3335	1/1	0.66	0.25	83,83,83,83	0
59	MG	DA	4794	1/1	0.66	0.27	86,86,86,86	0
59	MG	BA	1734	1/1	0.66	0.12	76,76,76,76	0
59	MG	DA	4466	1/1	0.66	0.24	73,73,73,73	0
59	MG	AA	3565	1/1	0.66	0.31	89,89,89,89	0
59	MG	AA	3785	1/1	0.66	0.32	89,89,89,89	0
59	MG	DA	4512	1/1	0.66	0.42	100,100,100,100	0
59	MG	CA	1676	1/1	0.66	0.25	89,89,89,89	0
59	MG	DA	4525	1/1	0.66	0.31	108,108,108,108	0
59	MG	DA	4890	1/1	0.66	0.12	96,96,96,96	0
59	MG	BS	103	1/1	0.66	0.30	83,83,83,83	0
59	MG	BA	1863	1/1	0.66	0.14	81,81,81,81	0
59	MG	DA	3622	1/1	0.66	0.22	69,69,69,69	0
59	MG	DA	3628	1/1	0.66	0.23	92,92,92,92	0
59	MG	BD	102	1/1	0.66	0.24	84,84,84,84	0
59	MG	BA	2088	1/1	0.66	0.33	98,98,98,98	0
59	MG	DA	5050	1/1	0.66	0.21	83,83,83,83	0
59	MG	DA	5058	1/1	0.66	0.31	103,103,103,103	0
59	MG	AA	4034	1/1	0.66	0.29	100,100,100,100	0
59	MG	CD	120	1/1	0.66	0.14	98,98,98,98	0
59	MG	AA	4041	1/1	0.66	0.23	101,101,101,101	0
59	MG	CD	125	1/1	0.66	0.26	88,88,88,88	0
59	MG	CA	2289	1/1	0.66	0.15	75,75,75,75	0
59	MG	DA	3906	1/1	0.66	0.20	90,90,90,90	0
59	MG	DU	209	1/1	0.66	0.38	96,96,96,96	0
59	MG	AA	3973	1/1	0.66	0.26	86,86,86,86	0
59	MG	BA	2033	1/1	0.66	0.19	94,94,94,94	0
59	MG	DV	302	1/1	0.66	0.14	87,87,87,87	0
59	MG	BA	2230	1/1	0.66	0.19	111,111,111,111	0
59	MG	DA	4792	1/1	0.67	0.23	113,113,113,113	0
59	MG	BA	2128	1/1	0.67	0.19	108,108,108,108	0
59	MG	CA	1890	1/1	0.67	0.14	69,69,69,69	0
59	MG	BD	111	1/1	0.67	0.13	74,74,74,74	0
59	MG	DA	3894	1/1	0.67	0.24	101,101,101,101	0
59	MG	AA	4154	1/1	0.67	0.44	89,89,89,89	0
59	MG	AA	4025	1/1	0.67	0.22	86,86,86,86	0
59	MG	DA	3370	1/1	0.67	0.28	73,73,73,73	0
59	MG	CA	2160	1/1	0.67	0.17	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3949	1/1	0.67	0.14	132,132,132,132	0
59	MG	DA	3418	1/1	0.67	0.17	60,60,60,60	0
59	MG	CA	1841	1/1	0.67	0.16	85,85,85,85	0
59	MG	BA	1629	1/1	0.67	0.23	76,76,76,76	0
59	MG	CA	2169	1/1	0.67	0.22	95,95,95,95	0
59	MG	DA	3535	1/1	0.67	0.17	69,69,69,69	0
59	MG	DA	5025	1/1	0.67	0.17	100,100,100,100	0
59	MG	CA	1845	1/1	0.67	0.15	108,108,108,108	0
59	MG	BA	1831	1/1	0.67	0.18	81,81,81,81	0
59	MG	AA	4032	1/1	0.67	0.28	102,102,102,102	0
59	MG	DA	4691	1/1	0.67	0.20	114,114,114,114	0
59	MG	DA	4246	1/1	0.67	0.17	64,64,64,64	0
59	MG	BA	2067	1/1	0.67	0.13	95,95,95,95	0
59	MG	AA	3419	1/1	0.67	0.34	82,82,82,82	0
59	MG	AA	3894	1/1	0.67	0.31	86,86,86,86	0
59	MG	DA	4336	1/1	0.67	0.29	73,73,73,73	0
59	MG	AA	3890	1/1	0.67	0.26	103,103,103,103	0
59	MG	CA	1784	1/1	0.67	0.12	54,54,54,54	0
59	MG	CB	116	1/1	0.67	0.20	89,89,89,89	0
59	MG	CB	120	1/1	0.67	0.27	100,100,100,100	0
59	MG	CB	121	1/1	0.67	0.10	101,101,101,101	0
59	MG	BA	2216	1/1	0.68	0.24	91,91,91,91	0
59	MG	BK	202	1/1	0.68	0.19	80,80,80,80	0
59	MG	CA	2076	1/1	0.68	0.20	113,113,113,113	0
59	MG	BA	2224	1/1	0.68	0.14	83,83,83,83	0
59	MG	BB	113	1/1	0.68	0.14	142,142,142,142	0
59	MG	DA	4916	1/1	0.68	0.11	88,88,88,88	0
59	MG	CA	2306	1/1	0.68	0.20	90,90,90,90	0
59	MG	DA	4943	1/1	0.68	0.35	81,81,81,81	0
59	MG	BA	2001	1/1	0.68	0.41	96,96,96,96	0
59	MG	BA	2071	1/1	0.68	0.28	93,93,93,93	0
59	MG	CA	2211	1/1	0.68	0.28	90,90,90,90	0
59	MG	BA	2232	1/1	0.68	0.17	103,103,103,103	0
59	MG	BA	1750	1/1	0.68	0.31	65,65,65,65	0
59	MG	DA	3757	1/1	0.68	0.31	128,128,128,128	0
59	MG	AA	3808	1/1	0.68	0.18	75,75,75,75	0
59	MG	DA	3797	1/1	0.68	0.24	95,95,95,95	0
59	MG	AA	3830	1/1	0.68	0.19	83,83,83,83	0
59	MG	AA	3773	1/1	0.68	0.18	76,76,76,76	0
59	MG	DA	4777	1/1	0.68	0.33	96,96,96,96	0
59	MG	CA	2030	1/1	0.68	0.14	72,72,72,72	0
59	MG	BA	2137	1/1	0.68	0.11	119,119,119,119	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	2176	1/1	0.68	0.23	99,99,99,99	0
59	MG	DA	3487	1/1	0.68	0.19	62,62,62,62	0
59	MG	BA	2062	1/1	0.68	0.18	75,75,75,75	0
59	MG	AA	3838	1/1	0.68	0.20	102,102,102,102	0
59	MG	AA	4009	1/1	0.68	0.23	99,99,99,99	0
59	MG	CA	2166	1/1	0.68	0.21	91,91,91,91	0
59	MG	BA	1991	1/1	0.69	0.24	91,91,91,91	0
59	MG	AA	4141	1/1	0.69	0.22	88,88,88,88	0
59	MG	AA	3490	1/1	0.69	0.12	102,102,102,102	0
59	MG	CA	2201	1/1	0.69	0.24	80,80,80,80	0
59	MG	DA	3855	1/1	0.69	0.14	85,85,85,85	0
59	MG	CA	1937	1/1	0.69	0.16	73,73,73,73	0
59	MG	AA	3852	1/1	0.69	0.14	67,67,67,67	0
59	MG	AA	3570	1/1	0.69	0.26	78,78,78,78	0
59	MG	AD	302	1/1	0.69	0.26	71,71,71,71	0
59	MG	DA	3931	1/1	0.69	0.11	83,83,83,83	0
59	MG	BF	302	1/1	0.69	0.20	105,105,105,105	0
59	MG	BB	108	1/1	0.69	0.15	94,94,94,94	0
59	MG	BA	2182	1/1	0.69	0.11	110,110,110,110	0
59	MG	DA	3523	1/1	0.69	0.30	82,82,82,82	0
59	MG	CK	208	1/1	0.69	0.12	69,69,69,69	0
59	MG	DA	3984	1/1	0.69	0.22	117,117,117,117	0
59	MG	DA	5021	1/1	0.69	0.13	112,112,112,112	0
59	MG	AA	3795	1/1	0.69	0.36	106,106,106,106	0
59	MG	CA	2268	1/1	0.69	0.17	86,86,86,86	0
59	MG	A3	104	1/1	0.69	0.19	83,83,83,83	0
59	MG	BA	2226	1/1	0.69	0.32	101,101,101,101	0
59	MG	DA	5060	1/1	0.69	0.23	64,64,64,64	0
59	MG	BA	1969	1/1	0.69	0.16	71,71,71,71	0
59	MG	DA	4181	1/1	0.69	0.21	81,81,81,81	0
59	MG	CA	1633	1/1	0.69	0.35	105,105,105,105	0
59	MG	CA	2156	1/1	0.69	0.29	92,92,92,92	0
59	MG	AA	3453	1/1	0.69	0.17	123,123,123,123	0
59	MG	AA	3797	1/1	0.69	0.26	96,96,96,96	0
59	MG	AA	3675	1/1	0.69	0.18	71,71,71,71	0
59	MG	DA	3649	1/1	0.69	0.12	71,71,71,71	0
59	MG	BD	114	1/1	0.69	0.16	93,93,93,93	0
59	MG	CA	1877	1/1	0.69	0.14	100,100,100,100	0
59	MG	AA	3883	1/1	0.69	0.28	100,100,100,100	0
59	MG	DA	3192	1/1	0.70	0.36	95,95,95,95	0
59	MG	AA	3975	1/1	0.70	0.12	76,76,76,76	0
59	MG	BA	2141	1/1	0.70	0.29	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3984	1/1	0.70	0.13	98,98,98,98	0
59	MG	AU	206	1/1	0.70	0.23	75,75,75,75	0
59	MG	AA	4060	1/1	0.70	0.20	70,70,70,70	0
59	MG	AA	3550	1/1	0.70	0.23	82,82,82,82	0
59	MG	AA	4070	1/1	0.70	0.12	60,60,60,60	0
59	MG	AA	3552	1/1	0.70	0.24	90,90,90,90	0
59	MG	BA	1957	1/1	0.70	0.28	80,80,80,80	0
59	MG	BB	111	1/1	0.70	0.09	90,90,90,90	0
59	MG	DA	4254	1/1	0.70	0.37	83,83,83,83	0
59	MG	CA	1892	1/1	0.70	0.22	68,68,68,68	0
59	MG	BA	1804	1/1	0.70	0.11	105,105,105,105	0
59	MG	DA	4297	1/1	0.70	0.21	100,100,100,100	0
59	MG	AA	3557	1/1	0.70	0.10	89,89,89,89	0
59	MG	BA	2247	1/1	0.70	0.20	82,82,82,82	0
59	MG	DA	4364	1/1	0.70	0.10	90,90,90,90	0
59	MG	DA	4431	1/1	0.70	0.18	87,87,87,87	0
59	MG	AA	3219	1/1	0.70	0.33	81,81,81,81	0
59	MG	AA	4150	1/1	0.70	0.12	82,82,82,82	0
59	MG	BA	2179	1/1	0.70	0.24	101,101,101,101	0
59	MG	AA	4015	1/1	0.70	0.31	104,104,104,104	0
59	MG	CA	1673	1/1	0.70	0.20	97,97,97,97	0
59	MG	CA	1962	1/1	0.70	0.20	76,76,76,76	0
59	MG	AA	3363	1/1	0.70	0.23	74,74,74,74	0
59	MG	AA	3116	1/1	0.70	0.38	85,85,85,85	0
59	MG	DA	4996	1/1	0.70	0.20	85,85,85,85	0
59	MG	AA	3945	1/1	0.70	0.22	108,108,108,108	0
59	MG	DA	4545	1/1	0.70	0.21	90,90,90,90	0
59	MG	DA	3668	1/1	0.70	0.19	80,80,80,80	0
59	MG	AA	3428	1/1	0.70	0.31	101,101,101,101	0
59	MG	CA	1754	1/1	0.70	0.27	80,80,80,80	0
59	MG	CA	2017	1/1	0.70	0.12	57,57,57,57	0
59	MG	CA	2019	1/1	0.70	0.12	68,68,68,68	0
59	MG	DB	209	1/1	0.70	0.41	77,77,77,77	0
59	MG	BA	1852	1/1	0.70	0.14	105,105,105,105	0
59	MG	BA	2022	1/1	0.70	0.09	104,104,104,104	0
59	MG	BW	207	1/1	0.70	0.28	85,85,85,85	0
59	MG	AA	4106	1/1	0.70	0.30	88,88,88,88	0
59	MG	AA	3739	1/1	0.70	0.35	86,86,86,86	0
59	MG	DS	201	1/1	0.70	0.28	88,88,88,88	0
59	MG	AA	3965	1/1	0.70	0.13	111,111,111,111	0
59	MG	AA	3915	1/1	0.70	0.29	105,105,105,105	0
59	MG	CC	105	1/1	0.70	0.10	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	2136	1/1	0.70	0.10	117,117,117,117	0
59	MG	AA	3974	1/1	0.70	0.15	65,65,65,65	0
59	MG	BA	2145	1/1	0.71	0.19	96,96,96,96	0
59	MG	AA	3692	1/1	0.71	0.19	85,85,85,85	0
59	MG	DA	4338	1/1	0.71	0.30	80,80,80,80	0
59	MG	BA	2069	1/1	0.71	0.29	105,105,105,105	0
59	MG	CA	1728	1/1	0.71	0.26	76,76,76,76	0
59	MG	BA	2070	1/1	0.71	0.09	89,89,89,89	0
59	MG	AA	3341	1/1	0.71	0.18	57,57,57,57	0
59	MG	AA	3114	1/1	0.71	0.35	97,97,97,97	0
59	MG	DA	4832	1/1	0.71	0.13	86,86,86,86	0
59	MG	BA	2085	1/1	0.71	0.31	102,102,102,102	0
59	MG	DA	4510	1/1	0.71	0.26	78,78,78,78	0
59	MG	BA	2018	1/1	0.71	0.18	84,84,84,84	0
59	MG	BA	1606	1/1	0.71	0.19	93,93,93,93	0
59	MG	DA	4881	1/1	0.71	0.16	85,85,85,85	0
59	MG	AA	4012	1/1	0.71	0.15	85,85,85,85	0
59	MG	CC	116	1/1	0.71	0.14	66,66,66,66	0
59	MG	CA	2138	1/1	0.71	0.27	91,91,91,91	0
59	MG	DA	3859	1/1	0.71	0.18	92,92,92,92	0
59	MG	DA	3122	1/1	0.71	0.18	75,75,75,75	0
59	MG	CA	2139	1/1	0.71	0.15	96,96,96,96	0
59	MG	CA	1994	1/1	0.71	0.49	94,94,94,94	0
59	MG	DA	3286	1/1	0.71	0.27	54,54,54,54	0
59	MG	DA	4994	1/1	0.71	0.24	98,98,98,98	0
59	MG	AB	218	1/1	0.71	0.17	81,81,81,81	0
59	MG	BA	1954	1/1	0.71	0.24	104,104,104,104	0
59	MG	DA	4611	1/1	0.71	0.20	82,82,82,82	0
59	MG	AA	3271	1/1	0.71	0.28	83,83,83,83	0
59	MG	BA	2110	1/1	0.71	0.21	91,91,91,91	0
59	MG	CA	2165	1/1	0.71	0.14	101,101,101,101	0
59	MG	AA	3848	1/1	0.71	0.27	90,90,90,90	0
59	MG	AA	3422	1/1	0.71	0.20	73,73,73,73	0
59	MG	DA	5077	1/1	0.71	0.29	102,102,102,102	0
59	MG	CA	2029	1/1	0.71	0.23	115,115,115,115	0
59	MG	AA	3854	1/1	0.71	0.19	71,71,71,71	0
59	MG	DA	4688	1/1	0.71	0.37	83,83,83,83	0
59	MG	BA	2046	1/1	0.71	0.20	95,95,95,95	0
59	MG	CF	301	1/1	0.71	0.30	75,75,75,75	0
59	MG	AA	3786	1/1	0.71	0.38	107,107,107,107	0
59	MG	BA	1773	1/1	0.71	0.19	80,80,80,80	0
59	MG	BA	1775	1/1	0.71	0.27	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4110	1/1	0.71	0.16	102,102,102,102	0
59	MG	DU	215	1/1	0.71	0.18	76,76,76,76	0
59	MG	BA	1988	1/1	0.71	0.25	95,95,95,95	0
59	MG	AA	3289	1/1	0.71	0.17	90,90,90,90	0
59	MG	BW	201	1/1	0.71	0.23	88,88,88,88	0
59	MG	CA	1970	1/1	0.72	0.18	100,100,100,100	0
59	MG	DA	3679	1/1	0.72	0.11	69,69,69,69	0
59	MG	DA	4381	1/1	0.72	0.19	88,88,88,88	0
59	MG	AA	3927	1/1	0.72	0.14	76,76,76,76	0
59	MG	AA	4052	1/1	0.72	0.12	73,73,73,73	0
59	MG	AA	3330	1/1	0.72	0.17	111,111,111,111	0
59	MG	DA	4492	1/1	0.72	0.28	66,66,66,66	0
59	MG	DA	3767	1/1	0.72	0.29	88,88,88,88	0
59	MG	DA	4827	1/1	0.72	0.29	87,87,87,87	0
59	MG	DA	4494	1/1	0.72	0.34	84,84,84,84	0
59	MG	AA	3823	1/1	0.72	0.24	89,89,89,89	0
59	MG	DA	4503	1/1	0.72	0.31	96,96,96,96	0
59	MG	CA	1846	1/1	0.72	0.19	90,90,90,90	0
59	MG	BA	1760	1/1	0.72	0.21	85,85,85,85	0
59	MG	DA	4517	1/1	0.72	0.24	97,97,97,97	0
59	MG	AA	3976	1/1	0.72	0.26	86,86,86,86	0
59	MG	BA	1645	1/1	0.72	0.31	88,88,88,88	0
59	MG	DA	4533	1/1	0.72	0.34	88,88,88,88	0
59	MG	AA	4109	1/1	0.72	0.18	81,81,81,81	0
59	MG	AA	3433	1/1	0.72	0.14	64,64,64,64	0
59	MG	BA	1661	1/1	0.72	0.21	83,83,83,83	0
59	MG	AA	3369	1/1	0.72	0.16	81,81,81,81	0
59	MG	BA	2099	1/1	0.72	0.15	67,67,67,67	0
59	MG	CA	1867	1/1	0.72	0.18	99,99,99,99	0
59	MG	AA	3948	1/1	0.72	0.14	72,72,72,72	0
59	MG	CA	2059	1/1	0.72	0.19	95,95,95,95	0
59	MG	CA	1685	1/1	0.72	0.19	80,80,80,80	0
59	MG	BA	1809	1/1	0.72	0.21	114,114,114,114	0
59	MG	BA	1665	1/1	0.72	0.24	61,61,61,61	0
59	MG	DA	4620	1/1	0.72	0.19	84,84,84,84	0
59	MG	BA	1821	1/1	0.72	0.16	93,93,93,93	0
59	MG	AA	4166	1/1	0.72	0.19	142,142,142,142	0
59	MG	DA	4659	1/1	0.72	0.14	68,68,68,68	0
59	MG	DA	4009	1/1	0.72	0.21	98,98,98,98	0
59	MG	DA	4033	1/1	0.72	0.19	103,103,103,103	0
59	MG	BA	1825	1/1	0.72	0.10	121,121,121,121	0
59	MG	CA	2247	1/1	0.72	0.17	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DB	230	1/1	0.72	0.34	87,87,87,87	0
59	MG	CA	1938	1/1	0.72	0.29	87,87,87,87	0
59	MG	DB	274	1/1	0.72	0.18	79,79,79,79	0
59	MG	BA	1699	1/1	0.72	0.26	90,90,90,90	0
59	MG	CA	1788	1/1	0.72	0.14	79,79,79,79	0
59	MG	DY	202	1/1	0.72	0.20	91,91,91,91	0
59	MG	DL	201	1/1	0.72	0.16	94,94,94,94	0
59	MG	CD	127	1/1	0.72	0.33	101,101,101,101	0
59	MG	DU	207	1/1	0.72	0.22	97,97,97,97	0
59	MG	DA	4735	1/1	0.72	0.35	88,88,88,88	0
59	MG	AA	3868	1/1	0.72	0.20	80,80,80,80	0
59	MG	DA	3641	1/1	0.72	0.14	60,60,60,60	0
59	MG	AA	3413	1/1	0.72	0.40	95,95,95,95	0
59	MG	CA	1800	1/1	0.72	0.16	89,89,89,89	0
59	MG	AA	3661	1/1	0.72	0.32	70,70,70,70	0
59	MG	AA	3418	1/1	0.73	0.40	91,91,91,91	0
59	MG	BA	1995	1/1	0.73	0.24	84,84,84,84	0
59	MG	DA	4185	1/1	0.73	0.33	88,88,88,88	0
59	MG	AA	3432	1/1	0.73	0.31	83,83,83,83	0
59	MG	DA	3765	1/1	0.73	0.20	61,61,61,61	0
59	MG	BA	1911	1/1	0.73	0.32	76,76,76,76	0
59	MG	BA	2014	1/1	0.73	0.07	64,64,64,64	0
59	MG	CA	2180	1/1	0.73	0.19	66,66,66,66	0
59	MG	DA	3825	1/1	0.73	0.18	77,77,77,77	0
59	MG	BK	201	1/1	0.73	0.18	96,96,96,96	0
59	MG	CA	1759	1/1	0.73	0.28	75,75,75,75	0
59	MG	DA	4349	1/1	0.73	0.27	77,77,77,77	0
59	MG	CA	1861	1/1	0.73	0.24	87,87,87,87	0
59	MG	AA	3607	1/1	0.73	0.12	94,94,94,94	0
59	MG	DA	4383	1/1	0.73	0.30	85,85,85,85	0
59	MG	DA	4692	1/1	0.73	0.31	74,74,74,74	0
59	MG	AA	3719	1/1	0.73	0.33	97,97,97,97	0
59	MG	DA	4705	1/1	0.73	0.33	93,93,93,93	0
59	MG	AA	3037	1/1	0.73	0.31	107,107,107,107	0
59	MG	AA	3313	1/1	0.73	0.28	83,83,83,83	0
59	MG	DA	3913	1/1	0.73	0.20	120,120,120,120	0
59	MG	BA	1798	1/1	0.73	0.29	93,93,93,93	0
59	MG	AA	4014	1/1	0.73	0.22	84,84,84,84	0
59	MG	AA	3862	1/1	0.73	0.25	75,75,75,75	0
59	MG	DA	4762	1/1	0.73	0.16	77,77,77,77	0
59	MG	AA	4054	1/1	0.73	0.15	74,74,74,74	0
59	MG	CA	1934	1/1	0.73	0.12	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3957	1/1	0.73	0.17	62,62,62,62	0
59	MG	CF	302	1/1	0.73	0.17	79,79,79,79	0
59	MG	AA	4059	1/1	0.73	0.12	54,54,54,54	0
59	MG	DA	4785	1/1	0.73	0.15	75,75,75,75	0
59	MG	DA	4788	1/1	0.73	0.14	97,97,97,97	0
59	MG	DA	3244	1/1	0.73	0.21	97,97,97,97	0
59	MG	DA	3652	1/1	0.73	0.19	93,93,93,93	0
59	MG	DA	3655	1/1	0.73	0.31	86,86,86,86	0
59	MG	AA	3373	1/1	0.73	0.18	48,48,48,48	0
59	MG	DA	4037	1/1	0.73	0.20	81,81,81,81	0
59	MG	AA	3445	1/1	0.73	0.15	63,63,63,63	0
59	MG	DA	4052	1/1	0.73	0.14	178,178,178,178	0
59	MG	AA	3934	1/1	0.73	0.35	93,93,93,93	0
59	MG	AA	3353	1/1	0.74	0.38	83,83,83,83	0
59	MG	CA	2314	1/1	0.74	0.22	92,92,92,92	0
59	MG	DA	4817	1/1	0.74	0.26	78,78,78,78	0
59	MG	CA	2200	1/1	0.74	0.22	73,73,73,73	0
59	MG	CA	1960	1/1	0.74	0.12	91,91,91,91	0
59	MG	AA	3334	1/1	0.74	0.21	46,46,46,46	0
59	MG	DA	3455	1/1	0.74	0.19	58,58,58,58	0
59	MG	AA	3508	1/1	0.74	0.26	61,61,61,61	0
59	MG	BA	2058	1/1	0.74	0.23	104,104,104,104	0
59	MG	BA	2261	1/1	0.74	0.13	81,81,81,81	0
59	MG	CA	2230	1/1	0.74	0.15	92,92,92,92	0
59	MG	DA	4559	1/1	0.74	0.17	52,52,52,52	0
59	MG	DA	4885	1/1	0.74	0.28	92,92,92,92	0
59	MG	CA	2236	1/1	0.74	0.20	104,104,104,104	0
59	MG	DA	4906	1/1	0.74	0.29	96,96,96,96	0
59	MG	CG	312	1/1	0.74	0.13	104,104,104,104	0
59	MG	CH	202	1/1	0.74	0.20	62,62,62,62	0
59	MG	BA	2060	1/1	0.74	0.26	73,73,73,73	0
59	MG	BA	2108	1/1	0.74	0.15	154,154,154,154	0
59	MG	BA	2274	1/1	0.74	0.14	82,82,82,82	0
59	MG	CA	2253	1/1	0.74	0.24	85,85,85,85	0
59	MG	CA	2007	1/1	0.74	0.32	78,78,78,78	0
59	MG	DA	3617	1/1	0.74	0.26	82,82,82,82	0
59	MG	CD	115	1/1	0.74	0.36	85,85,85,85	0
59	MG	DA	5011	1/1	0.74	0.22	76,76,76,76	0
59	MG	AA	3753	1/1	0.74	0.20	91,91,91,91	0
59	MG	AA	4101	1/1	0.74	0.25	99,99,99,99	0
59	MG	CA	2270	1/1	0.74	0.19	68,68,68,68	0
59	MG	AA	4002	1/1	0.74	0.16	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1887	1/1	0.74	0.20	92,92,92,92	0
59	MG	CA	2284	1/1	0.74	0.19	85,85,85,85	0
59	MG	AA	3399	1/1	0.74	0.23	75,75,75,75	0
59	MG	AA	4086	1/1	0.74	0.33	76,76,76,76	0
59	MG	CA	1796	1/1	0.74	0.16	67,67,67,67	0
59	MG	DB	210	1/1	0.74	0.30	89,89,89,89	0
59	MG	DA	3693	1/1	0.74	0.11	108,108,108,108	0
59	MG	BA	1815	1/1	0.74	0.12	119,119,119,119	0
59	MG	BA	2124	1/1	0.74	0.16	72,72,72,72	0
59	MG	DB	254	1/1	0.74	0.23	66,66,66,66	0
59	MG	DA	4739	1/1	0.74	0.23	77,77,77,77	0
59	MG	DB	272	1/1	0.74	0.21	81,81,81,81	0
59	MG	AA	4028	1/1	0.74	0.23	81,81,81,81	0
59	MG	B1	101	1/1	0.74	0.16	60,60,60,60	0
59	MG	AA	4011	1/1	0.74	0.23	122,122,122,122	0
59	MG	BA	1770	1/1	0.74	0.24	67,67,67,67	0
59	MG	DA	3775	1/1	0.74	0.14	87,87,87,87	0
59	MG	CA	2175	1/1	0.74	0.29	89,89,89,89	0
59	MG	DA	3802	1/1	0.74	0.15	88,88,88,88	0
59	MG	BA	1771	1/1	0.74	0.31	74,74,74,74	0
59	MG	DA	3258	1/1	0.74	0.18	83,83,83,83	0
59	MG	CA	2075	1/1	0.74	0.30	84,84,84,84	0
59	MG	DA	3857	1/1	0.74	0.30	78,78,78,78	0
59	MG	AA	4114	1/1	0.74	0.16	92,92,92,92	0
59	MG	DV	305	1/1	0.74	0.24	86,86,86,86	0
59	MG	DA	4505	1/1	0.74	0.31	97,97,97,97	0
59	MG	BA	1817	1/1	0.75	0.14	63,63,63,63	0
59	MG	DA	3811	1/1	0.75	0.21	101,101,101,101	0
59	MG	AA	4105	1/1	0.75	0.10	106,106,106,106	0
59	MG	BA	1822	1/1	0.75	0.12	97,97,97,97	0
59	MG	CA	1981	1/1	0.75	0.25	78,78,78,78	0
59	MG	CA	1802	1/1	0.75	0.21	76,76,76,76	0
59	MG	AA	3657	1/1	0.75	0.28	89,89,89,89	0
59	MG	AA	3902	1/1	0.75	0.14	111,111,111,111	0
59	MG	DA	3367	1/1	0.75	0.37	91,91,91,91	0
59	MG	DA	4864	1/1	0.75	0.18	93,93,93,93	0
59	MG	AA	3986	1/1	0.75	0.13	88,88,88,88	0
59	MG	AA	4073	1/1	0.75	0.14	84,84,84,84	0
59	MG	CA	2171	1/1	0.75	0.17	115,115,115,115	0
59	MG	BA	2156	1/1	0.75	0.17	90,90,90,90	0
59	MG	DA	4549	1/1	0.75	0.18	98,98,98,98	0
59	MG	DA	4892	1/1	0.75	0.18	133,133,133,133	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4905	1/1	0.75	0.35	90,90,90,90	0
59	MG	AA	3946	1/1	0.75	0.12	98,98,98,98	0
59	MG	AA	4155	1/1	0.75	0.13	80,80,80,80	0
59	MG	DA	3500	1/1	0.75	0.15	57,57,57,57	0
59	MG	CE	306	1/1	0.75	0.25	96,96,96,96	0
59	MG	BA	2164	1/1	0.75	0.12	78,78,78,78	0
59	MG	BA	1845	1/1	0.75	0.14	92,92,92,92	0
59	MG	BA	2246	1/1	0.75	0.27	125,125,125,125	0
59	MG	BA	1753	1/1	0.75	0.15	69,69,69,69	0
59	MG	BA	1997	1/1	0.75	0.32	87,87,87,87	0
59	MG	AA	4162	1/1	0.75	0.20	94,94,94,94	0
59	MG	BA	1626	1/1	0.75	0.22	68,68,68,68	0
59	MG	AA	3858	1/1	0.75	0.21	76,76,76,76	0
59	MG	DA	3611	1/1	0.75	0.29	115,115,115,115	0
59	MG	AA	3998	1/1	0.75	0.25	86,86,86,86	0
59	MG	AA	3360	1/1	0.75	0.26	95,95,95,95	0
59	MG	BE	301	1/1	0.75	0.17	63,63,63,63	0
59	MG	AA	4126	1/1	0.75	0.12	87,87,87,87	0
59	MG	AA	3668	1/1	0.75	0.25	71,71,71,71	0
59	MG	BA	1782	1/1	0.75	0.34	100,100,100,100	0
59	MG	CA	2250	1/1	0.75	0.25	88,88,88,88	0
59	MG	BG	307	1/1	0.75	0.20	85,85,85,85	0
59	MG	AA	3888	1/1	0.75	0.22	79,79,79,79	0
59	MG	DA	4716	1/1	0.75	0.07	77,77,77,77	0
59	MG	DA	4720	1/1	0.75	0.15	88,88,88,88	0
59	MG	DA	4290	1/1	0.75	0.28	74,74,74,74	0
59	MG	AA	3728	1/1	0.75	0.18	70,70,70,70	0
59	MG	AA	3464	1/1	0.75	0.20	61,61,61,61	0
59	MG	AA	3628	1/1	0.75	0.35	62,62,62,62	0
59	MG	AB	234	1/1	0.75	0.18	105,105,105,105	0
59	MG	BA	2203	1/1	0.75	0.18	118,118,118,118	0
59	MG	BA	1939	1/1	0.75	0.27	81,81,81,81	0
59	MG	DA	3752	1/1	0.75	0.14	103,103,103,103	0
59	MG	D0	203	1/1	0.75	0.41	97,97,97,97	0
59	MG	DA	4765	1/1	0.75	0.12	120,120,120,120	0
59	MG	CA	1786	1/1	0.75	0.22	93,93,93,93	0
59	MG	CA	2136	1/1	0.75	0.17	77,77,77,77	0
59	MG	AA	4140	1/1	0.75	0.19	74,74,74,74	0
59	MG	DA	4442	1/1	0.75	0.12	49,49,49,49	0
59	MG	DA	3118	1/1	0.75	0.29	69,69,69,69	0
59	MG	DA	4474	1/1	0.75	0.20	54,54,54,54	0
59	MG	AA	3517	1/1	0.75	0.21	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2145	1/1	0.75	0.16	80,80,80,80	0
59	MG	AK	203	1/1	0.76	0.12	86,86,86,86	0
59	MG	BA	1839	1/1	0.76	0.06	136,136,136,136	0
59	MG	DA	4847	1/1	0.76	0.22	117,117,117,117	0
59	MG	AA	4116	1/1	0.76	0.25	98,98,98,98	0
59	MG	AU	203	1/1	0.76	0.12	74,74,74,74	0
59	MG	AA	3533	1/1	0.76	0.09	44,44,44,44	0
59	MG	CA	1719	1/1	0.76	0.14	62,62,62,62	0
59	MG	BA	2101	1/1	0.76	0.14	124,124,124,124	0
59	MG	AA	3486	1/1	0.76	0.14	60,60,60,60	0
59	MG	BA	2169	1/1	0.76	0.15	98,98,98,98	0
59	MG	AA	3403	1/1	0.76	0.27	60,60,60,60	0
59	MG	CA	1911	1/1	0.76	0.11	56,56,56,56	0
59	MG	CA	1761	1/1	0.76	0.18	65,65,65,65	0
59	MG	DA	4122	1/1	0.76	0.31	105,105,105,105	0
59	MG	CA	2193	1/1	0.76	0.25	86,86,86,86	0
59	MG	C1	105	1/1	0.76	0.30	89,89,89,89	0
59	MG	AA	3979	1/1	0.76	0.42	94,94,94,94	0
59	MG	AA	4097	1/1	0.76	0.27	109,109,109,109	0
59	MG	AA	3981	1/1	0.76	0.23	131,131,131,131	0
59	MG	DA	4258	1/1	0.76	0.35	64,64,64,64	0
59	MG	AA	3774	1/1	0.76	0.27	79,79,79,79	0
59	MG	DA	4280	1/1	0.76	0.10	91,91,91,91	0
59	MG	DA	3745	1/1	0.76	0.15	49,49,49,49	0
59	MG	DA	4686	1/1	0.76	0.13	59,59,59,59	0
59	MG	AA	3594	1/1	0.76	0.21	78,78,78,78	0
59	MG	DA	4296	1/1	0.76	0.43	105,105,105,105	0
59	MG	DA	3257	1/1	0.76	0.24	66,66,66,66	0
59	MG	AA	3844	1/1	0.76	0.25	94,94,94,94	0
59	MG	DA	5055	1/1	0.76	0.18	69,69,69,69	0
59	MG	DA	4699	1/1	0.76	0.25	92,92,92,92	0
59	MG	AA	3052	1/1	0.76	0.14	60,60,60,60	0
59	MG	CA	1799	1/1	0.76	0.17	85,85,85,85	0
59	MG	DA	5076	1/1	0.76	0.20	85,85,85,85	0
59	MG	DA	4345	1/1	0.76	0.20	58,58,58,58	0
59	MG	DA	4728	1/1	0.76	0.20	86,86,86,86	0
59	MG	BA	1748	1/1	0.76	0.27	66,66,66,66	0
59	MG	AA	3290	1/1	0.76	0.27	78,78,78,78	0
59	MG	AA	3318	1/1	0.76	0.31	65,65,65,65	0
59	MG	CA	2242	1/1	0.76	0.13	84,84,84,84	0
59	MG	DA	4388	1/1	0.76	0.22	80,80,80,80	0
59	MG	DB	261	1/1	0.76	0.33	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DB	265	1/1	0.76	0.24	81,81,81,81	0
59	MG	CG	309	1/1	0.76	0.16	78,78,78,78	0
59	MG	AA	3855	1/1	0.76	0.10	72,72,72,72	0
59	MG	DA	4438	1/1	0.76	0.23	89,89,89,89	0
59	MG	BA	2276	1/1	0.76	0.20	128,128,128,128	0
59	MG	BA	2138	1/1	0.76	0.19	74,74,74,74	0
59	MG	DH	203	1/1	0.76	0.13	78,78,78,78	0
59	MG	CK	203	1/1	0.76	0.44	68,68,68,68	0
59	MG	CK	207	1/1	0.76	0.12	80,80,80,80	0
59	MG	DA	3900	1/1	0.76	0.11	143,143,143,143	0
59	MG	DA	3503	1/1	0.76	0.18	71,71,71,71	0
59	MG	AA	3819	1/1	0.76	0.36	94,94,94,94	0
59	MG	BA	2079	1/1	0.76	0.16	99,99,99,99	0
59	MG	BA	2143	1/1	0.76	0.12	138,138,138,138	0
59	MG	BA	2083	1/1	0.76	0.17	86,86,86,86	0
59	MG	CD	111	1/1	0.76	0.28	69,69,69,69	0
59	MG	DA	3948	1/1	0.76	0.18	127,127,127,127	0
59	MG	BA	2147	1/1	0.76	0.16	107,107,107,107	0
59	MG	DW	105	1/1	0.76	0.37	81,81,81,81	0
59	MG	BA	1659	1/1	0.76	0.18	71,71,71,71	0
59	MG	CA	2229	1/1	0.77	0.22	109,109,109,109	0
59	MG	AA	3446	1/1	0.77	0.30	90,90,90,90	0
59	MG	BA	1949	1/1	0.77	0.39	85,85,85,85	0
59	MG	AA	3824	1/1	0.77	0.16	94,94,94,94	0
59	MG	BA	1803	1/1	0.77	0.29	90,90,90,90	0
59	MG	CA	1793	1/1	0.77	0.18	74,74,74,74	0
59	MG	DA	4706	1/1	0.77	0.32	89,89,89,89	0
59	MG	AA	3782	1/1	0.77	0.30	101,101,101,101	0
59	MG	DA	3143	1/1	0.77	0.27	61,61,61,61	0
59	MG	BA	1960	1/1	0.77	0.17	68,68,68,68	0
59	MG	CA	2251	1/1	0.77	0.19	93,93,93,93	0
59	MG	AA	3218	1/1	0.77	0.23	65,65,65,65	0
59	MG	CA	2047	1/1	0.77	0.14	80,80,80,80	0
59	MG	DA	3281	1/1	0.77	0.14	38,38,38,38	0
59	MG	DA	4744	1/1	0.77	0.20	70,70,70,70	0
59	MG	CA	2262	1/1	0.77	0.09	61,61,61,61	0
59	MG	DA	3287	1/1	0.77	0.13	78,78,78,78	0
59	MG	DA	4038	1/1	0.77	0.32	103,103,103,103	0
59	MG	AA	3382	1/1	0.77	0.19	83,83,83,83	0
59	MG	BS	104	1/1	0.77	0.11	76,76,76,76	0
59	MG	DA	4073	1/1	0.77	0.30	106,106,106,106	0
59	MG	AA	3158	1/1	0.77	0.23	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4116	1/1	0.77	0.13	78,78,78,78	0
59	MG	CA	1827	1/1	0.77	0.09	101,101,101,101	0
59	MG	CA	2278	1/1	0.77	0.15	84,84,84,84	0
59	MG	DA	4155	1/1	0.77	0.29	89,89,89,89	0
59	MG	DA	4787	1/1	0.77	0.22	85,85,85,85	0
59	MG	BT	202	1/1	0.77	0.18	76,76,76,76	0
59	MG	AA	3843	1/1	0.77	0.33	81,81,81,81	0
59	MG	DA	3447	1/1	0.77	0.12	48,48,48,48	0
59	MG	BA	2091	1/1	0.77	0.21	108,108,108,108	0
59	MG	DA	4256	1/1	0.77	0.41	115,115,115,115	0
59	MG	BA	2186	1/1	0.77	0.13	79,79,79,79	0
59	MG	DA	3484	1/1	0.77	0.28	76,76,76,76	0
59	MG	DA	4275	1/1	0.77	0.22	78,78,78,78	0
59	MG	AA	4004	1/1	0.77	0.31	78,78,78,78	0
59	MG	DA	4834	1/1	0.77	0.10	78,78,78,78	0
59	MG	DA	3490	1/1	0.77	0.28	64,64,64,64	0
59	MG	BA	1818	1/1	0.77	0.27	57,57,57,57	0
59	MG	CA	2079	1/1	0.77	0.16	83,83,83,83	0
59	MG	DA	4859	1/1	0.77	0.23	91,91,91,91	0
59	MG	DA	4863	1/1	0.77	0.30	83,83,83,83	0
59	MG	AA	4112	1/1	0.77	0.21	89,89,89,89	0
59	MG	DA	4302	1/1	0.77	0.11	102,102,102,102	0
59	MG	BA	1990	1/1	0.77	0.26	82,82,82,82	0
59	MG	AA	3554	1/1	0.77	0.12	86,86,86,86	0
59	MG	CA	1854	1/1	0.77	0.11	67,67,67,67	0
59	MG	AA	4061	1/1	0.77	0.26	79,79,79,79	0
59	MG	AA	3164	1/1	0.77	0.27	79,79,79,79	0
59	MG	AA	4069	1/1	0.77	0.21	80,80,80,80	0
59	MG	AA	3165	1/1	0.77	0.12	53,53,53,53	0
59	MG	AA	3802	1/1	0.77	0.26	78,78,78,78	0
59	MG	DA	4923	1/1	0.77	0.09	74,74,74,74	0
59	MG	CA	2130	1/1	0.77	0.22	117,117,117,117	0
59	MG	BA	1834	1/1	0.77	0.14	70,70,70,70	0
59	MG	AA	3971	1/1	0.77	0.20	85,85,85,85	0
59	MG	CA	2137	1/1	0.77	0.22	88,88,88,88	0
59	MG	DA	4440	1/1	0.77	0.14	54,54,54,54	0
59	MG	BA	2214	1/1	0.77	0.28	90,90,90,90	0
59	MG	BA	2215	1/1	0.77	0.16	79,79,79,79	0
59	MG	BA	1721	1/1	0.77	0.13	71,71,71,71	0
59	MG	AA	3767	1/1	0.77	0.22	78,78,78,78	0
59	MG	CA	1897	1/1	0.77	0.32	71,71,71,71	0
59	MG	AQ	204	1/1	0.77	0.12	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	5027	1/1	0.77	0.25	85,85,85,85	0
59	MG	AT	103	1/1	0.77	0.31	85,85,85,85	0
59	MG	CA	2162	1/1	0.77	0.12	79,79,79,79	0
59	MG	DA	5053	1/1	0.77	0.33	101,101,101,101	0
59	MG	BA	2034	1/1	0.77	0.17	68,68,68,68	0
59	MG	CA	1920	1/1	0.77	0.27	85,85,85,85	0
59	MG	AA	3436	1/1	0.77	0.22	127,127,127,127	0
59	MG	CA	2167	1/1	0.77	0.11	97,97,97,97	0
59	MG	DA	3732	1/1	0.77	0.34	60,60,60,60	0
59	MG	CA	1624	1/1	0.77	0.15	80,80,80,80	0
59	MG	CW	201	1/1	0.77	0.14	89,89,89,89	0
59	MG	AA	4134	1/1	0.77	0.14	117,117,117,117	0
59	MG	AA	3064	1/1	0.77	0.27	90,90,90,90	0
59	MG	AA	3118	1/1	0.77	0.14	52,52,52,52	0
59	MG	A7	104	1/1	0.77	0.34	88,88,88,88	0
59	MG	DA	4551	1/1	0.77	0.23	118,118,118,118	0
59	MG	AA	3212	1/1	0.77	0.27	78,78,78,78	0
59	MG	AA	3821	1/1	0.77	0.14	69,69,69,69	0
59	MG	CD	121	1/1	0.77	0.10	133,133,133,133	0
59	MG	BA	1869	1/1	0.77	0.17	73,73,73,73	0
59	MG	DA	3815	1/1	0.77	0.15	83,83,83,83	0
59	MG	DA	4579	1/1	0.77	0.11	81,81,81,81	0
59	MG	DA	3819	1/1	0.77	0.19	68,68,68,68	0
59	MG	CA	1709	1/1	0.77	0.18	55,55,55,55	0
59	MG	AA	4148	1/1	0.77	0.34	87,87,87,87	0
59	MG	DA	3828	1/1	0.77	0.17	70,70,70,70	0
59	MG	AA	4094	1/1	0.77	0.16	57,57,57,57	0
59	MG	DA	4621	1/1	0.77	0.35	92,92,92,92	0
59	MG	CD	130	1/1	0.77	0.20	84,84,84,84	0
59	MG	BA	2160	1/1	0.77	0.12	95,95,95,95	0
59	MG	DA	3872	1/1	0.77	0.11	75,75,75,75	0
59	MG	BA	2268	1/1	0.77	0.13	87,87,87,87	0
59	MG	CB	108	1/1	0.77	0.12	87,87,87,87	0
59	MG	DA	4676	1/1	0.77	0.33	82,82,82,82	0
59	MG	AA	4038	1/1	0.77	0.26	77,77,77,77	0
59	MG	AA	4040	1/1	0.77	0.17	67,67,67,67	0
59	MG	D6	103	1/1	0.77	0.13	63,63,63,63	0
59	MG	BA	1785	1/1	0.77	0.26	67,67,67,67	0
59	MG	A1	204	1/1	0.78	0.24	65,65,65,65	0
59	MG	DA	3582	1/1	0.78	0.20	63,63,63,63	0
59	MG	DA	4752	1/1	0.78	0.18	84,84,84,84	0
59	MG	CK	205	1/1	0.78	0.20	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	2264	1/1	0.78	0.11	79,79,79,79	0
59	MG	CA	2033	1/1	0.78	0.18	73,73,73,73	0
59	MG	CA	1850	1/1	0.78	0.18	100,100,100,100	0
59	MG	CV	103	1/1	0.78	0.09	84,84,84,84	0
59	MG	CA	2204	1/1	0.78	0.26	87,87,87,87	0
59	MG	DA	4780	1/1	0.78	0.11	62,62,62,62	0
59	MG	CA	1851	1/1	0.78	0.15	100,100,100,100	0
59	MG	BA	1835	1/1	0.78	0.24	72,72,72,72	0
59	MG	A1	205	1/1	0.78	0.27	79,79,79,79	0
59	MG	BA	2057	1/1	0.78	0.14	103,103,103,103	0
59	MG	CD	113	1/1	0.78	0.09	75,75,75,75	0
59	MG	DA	3654	1/1	0.78	0.10	40,40,40,40	0
59	MG	DA	4331	1/1	0.78	0.09	63,63,63,63	0
59	MG	AA	3407	1/1	0.78	0.38	78,78,78,78	0
59	MG	DA	3658	1/1	0.78	0.13	60,60,60,60	0
59	MG	CD	118	1/1	0.78	0.41	97,97,97,97	0
59	MG	AA	3321	1/1	0.78	0.16	69,69,69,69	0
59	MG	CA	2231	1/1	0.78	0.20	95,95,95,95	0
59	MG	CA	2064	1/1	0.78	0.21	66,66,66,66	0
59	MG	AA	3903	1/1	0.78	0.21	95,95,95,95	0
59	MG	BA	2063	1/1	0.78	0.08	65,65,65,65	0
59	MG	CA	1862	1/1	0.78	0.15	122,122,122,122	0
59	MG	DA	3741	1/1	0.78	0.26	76,76,76,76	0
59	MG	CA	2246	1/1	0.78	0.19	91,91,91,91	0
59	MG	AB	210	1/1	0.78	0.24	81,81,81,81	0
59	MG	AA	3626	1/1	0.78	0.27	48,48,48,48	0
59	MG	AA	3983	1/1	0.78	0.25	126,126,126,126	0
59	MG	CA	2083	1/1	0.78	0.15	87,87,87,87	0
59	MG	DA	4481	1/1	0.78	0.14	62,62,62,62	0
59	MG	BA	2199	1/1	0.78	0.16	107,107,107,107	0
59	MG	AA	3161	1/1	0.78	0.18	63,63,63,63	0
59	MG	DA	3793	1/1	0.78	0.33	81,81,81,81	0
59	MG	DA	3795	1/1	0.78	0.16	88,88,88,88	0
59	MG	BQ	101	1/1	0.78	0.28	66,66,66,66	0
59	MG	CA	2107	1/1	0.78	0.14	73,73,73,73	0
59	MG	BS	101	1/1	0.78	0.19	76,76,76,76	0
59	MG	AA	4088	1/1	0.78	0.20	97,97,97,97	0
59	MG	AA	3097	1/1	0.78	0.12	73,73,73,73	0
59	MG	BS	105	1/1	0.78	0.28	89,89,89,89	0
59	MG	CA	1916	1/1	0.78	0.12	61,61,61,61	0
59	MG	AB	226	1/1	0.78	0.24	88,88,88,88	0
59	MG	DA	3844	1/1	0.78	0.19	109,109,109,109	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3190	1/1	0.78	0.24	60,60,60,60	0
59	MG	CA	2128	1/1	0.78	0.15	101,101,101,101	0
59	MG	DA	3193	1/1	0.78	0.18	71,71,71,71	0
59	MG	DA	3861	1/1	0.78	0.19	77,77,77,77	0
59	MG	DA	3200	1/1	0.78	0.23	67,67,67,67	0
59	MG	DA	3874	1/1	0.78	0.22	69,69,69,69	0
59	MG	CA	1922	1/1	0.78	0.17	84,84,84,84	0
59	MG	AA	3922	1/1	0.78	0.11	65,65,65,65	0
59	MG	CA	2292	1/1	0.78	0.12	67,67,67,67	0
59	MG	CA	2134	1/1	0.78	0.17	89,89,89,89	0
59	MG	DA	4592	1/1	0.78	0.24	77,77,77,77	0
59	MG	DA	3907	1/1	0.78	0.11	83,83,83,83	0
59	MG	DA	4599	1/1	0.78	0.08	50,50,50,50	0
59	MG	DA	5074	1/1	0.78	0.14	67,67,67,67	0
59	MG	BA	2149	1/1	0.78	0.15	82,82,82,82	0
59	MG	AA	4115	1/1	0.78	0.28	73,73,73,73	0
59	MG	AA	3200	1/1	0.78	0.29	83,83,83,83	0
59	MG	DA	3317	1/1	0.78	0.19	86,86,86,86	0
59	MG	DA	3318	1/1	0.78	0.11	72,72,72,72	0
59	MG	DB	215	1/1	0.78	0.27	66,66,66,66	0
59	MG	BD	105	1/1	0.78	0.27	87,87,87,87	0
59	MG	DB	229	1/1	0.78	0.17	83,83,83,83	0
59	MG	AA	3993	1/1	0.78	0.14	91,91,91,91	0
59	MG	DB	252	1/1	0.78	0.30	101,101,101,101	0
59	MG	DA	4647	1/1	0.78	0.35	84,84,84,84	0
59	MG	CA	1791	1/1	0.78	0.22	87,87,87,87	0
59	MG	BA	2159	1/1	0.78	0.19	89,89,89,89	0
59	MG	DA	3374	1/1	0.78	0.31	84,84,84,84	0
59	MG	DA	3983	1/1	0.78	0.11	57,57,57,57	0
59	MG	BA	1890	1/1	0.78	0.34	72,72,72,72	0
59	MG	BA	1905	1/1	0.78	0.11	74,74,74,74	0
59	MG	CA	1963	1/1	0.78	0.11	71,71,71,71	0
59	MG	AG	203	1/1	0.78	0.20	97,97,97,97	0
59	MG	DA	4032	1/1	0.78	0.12	86,86,86,86	0
59	MG	BA	1754	1/1	0.78	0.26	68,68,68,68	0
59	MG	CE	302	1/1	0.78	0.19	98,98,98,98	0
59	MG	BA	2166	1/1	0.78	0.14	96,96,96,96	0
59	MG	BA	1756	1/1	0.78	0.14	69,69,69,69	0
59	MG	CA	1818	1/1	0.78	0.19	101,101,101,101	0
59	MG	BA	1759	1/1	0.78	0.14	77,77,77,77	0
59	MG	BA	2104	1/1	0.78	0.26	80,80,80,80	0
59	MG	BA	1827	1/1	0.78	0.22	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BB	105	1/1	0.78	0.10	85,85,85,85	0
59	MG	AA	3846	1/1	0.78	0.39	88,88,88,88	0
59	MG	DA	4143	1/1	0.78	0.24	63,63,63,63	0
59	MG	AA	3262	1/1	0.78	0.29	76,76,76,76	0
59	MG	AA	3071	1/1	0.78	0.19	16,16,16,16	0
59	MG	CA	1991	1/1	0.79	0.14	76,76,76,76	0
59	MG	AA	3340	1/1	0.79	0.14	90,90,90,90	0
59	MG	AA	3022	1/1	0.79	0.18	63,63,63,63	0
59	MG	DA	4241	1/1	0.79	0.09	55,55,55,55	0
59	MG	AB	217	1/1	0.79	0.30	87,87,87,87	0
59	MG	CA	2006	1/1	0.79	0.17	67,67,67,67	0
59	MG	AA	3368	1/1	0.79	0.22	87,87,87,87	0
59	MG	DA	3613	1/1	0.79	0.23	68,68,68,68	0
59	MG	AA	3317	1/1	0.79	0.26	57,57,57,57	0
59	MG	CA	2194	1/1	0.79	0.22	101,101,101,101	0
59	MG	CA	2012	1/1	0.79	0.20	69,69,69,69	0
59	MG	CA	1825	1/1	0.79	0.12	90,90,90,90	0
59	MG	CD	104	1/1	0.79	0.23	74,74,74,74	0
59	MG	BA	1613	1/1	0.79	0.33	84,84,84,84	0
59	MG	AA	3447	1/1	0.79	0.23	71,71,71,71	0
59	MG	AA	3056	1/1	0.79	0.23	63,63,63,63	0
59	MG	BD	119	1/1	0.79	0.38	84,84,84,84	0
59	MG	BA	1832	1/1	0.79	0.27	89,89,89,89	0
59	MG	AA	3410	1/1	0.79	0.23	84,84,84,84	0
59	MG	AA	3958	1/1	0.79	0.28	94,94,94,94	0
59	MG	CA	2226	1/1	0.79	0.11	53,53,53,53	0
59	MG	AA	3710	1/1	0.79	0.18	76,76,76,76	0
59	MG	BA	1769	1/1	0.79	0.22	87,87,87,87	0
59	MG	AA	3816	1/1	0.79	0.23	73,73,73,73	0
59	MG	CD	126	1/1	0.79	0.10	88,88,88,88	0
59	MG	DA	4839	1/1	0.79	0.24	75,75,75,75	0
59	MG	CA	2232	1/1	0.79	0.24	86,86,86,86	0
59	MG	DA	4422	1/1	0.79	0.23	71,71,71,71	0
59	MG	DA	3736	1/1	0.79	0.15	100,100,100,100	0
59	MG	DA	3739	1/1	0.79	0.10	51,51,51,51	0
59	MG	BA	2084	1/1	0.79	0.22	90,90,90,90	0
59	MG	CA	2239	1/1	0.79	0.14	65,65,65,65	0
59	MG	AA	3776	1/1	0.79	0.33	84,84,84,84	0
59	MG	DA	4462	1/1	0.79	0.22	74,74,74,74	0
59	MG	CA	2063	1/1	0.79	0.21	78,78,78,78	0
59	MG	BA	2087	1/1	0.79	0.19	81,81,81,81	0
59	MG	CB	113	1/1	0.79	0.09	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	2262	1/1	0.79	0.18	90,90,90,90	0
59	MG	DA	4896	1/1	0.79	0.16	74,74,74,74	0
59	MG	DA	3771	1/1	0.79	0.13	92,92,92,92	0
59	MG	AE	304	1/1	0.79	0.21	83,83,83,83	0
59	MG	BC	114	1/1	0.79	0.15	58,58,58,58	0
59	MG	DA	4918	1/1	0.79	0.15	48,48,48,48	0
59	MG	DA	4922	1/1	0.79	0.37	99,99,99,99	0
59	MG	DA	4499	1/1	0.79	0.19	51,51,51,51	0
59	MG	BA	1651	1/1	0.79	0.26	72,72,72,72	0
59	MG	CA	2252	1/1	0.79	0.08	85,85,85,85	0
59	MG	CC	123	1/1	0.79	0.18	74,74,74,74	0
59	MG	AA	3820	1/1	0.79	0.11	59,59,59,59	0
59	MG	B1	102	1/1	0.79	0.09	72,72,72,72	0
59	MG	DA	4984	1/1	0.79	0.24	90,90,90,90	0
59	MG	AA	3711	1/1	0.79	0.35	69,69,69,69	0
59	MG	DA	3119	1/1	0.79	0.19	60,60,60,60	0
59	MG	CA	2084	1/1	0.79	0.13	77,77,77,77	0
59	MG	DA	5004	1/1	0.79	0.12	80,80,80,80	0
59	MG	AA	3224	1/1	0.79	0.18	63,63,63,63	0
59	MG	DA	5018	1/1	0.79	0.26	89,89,89,89	0
59	MG	DA	3836	1/1	0.79	0.25	85,85,85,85	0
59	MG	DA	4538	1/1	0.79	0.32	92,92,92,92	0
59	MG	CA	2097	1/1	0.79	0.20	82,82,82,82	0
59	MG	DA	3180	1/1	0.79	0.13	77,77,77,77	0
59	MG	A0	201	1/1	0.79	0.09	61,61,61,61	0
59	MG	BA	1864	1/1	0.79	0.18	95,95,95,95	0
59	MG	BE	303	1/1	0.79	0.26	94,94,94,94	0
59	MG	BE	305	1/1	0.79	0.14	95,95,95,95	0
59	MG	CA	2118	1/1	0.79	0.13	82,82,82,82	0
59	MG	AA	4023	1/1	0.79	0.09	73,73,73,73	0
59	MG	AA	4111	1/1	0.79	0.11	108,108,108,108	0
59	MG	BA	1678	1/1	0.79	0.15	77,77,77,77	0
59	MG	CA	1695	1/1	0.79	0.19	50,50,50,50	0
59	MG	BA	2029	1/1	0.79	0.15	76,76,76,76	0
59	MG	BH	203	1/1	0.79	0.21	89,89,89,89	0
59	MG	AA	3474	1/1	0.79	0.16	65,65,65,65	0
59	MG	CA	1720	1/1	0.79	0.22	80,80,80,80	0
59	MG	CA	1928	1/1	0.79	0.17	78,78,78,78	0
59	MG	AA	3612	1/1	0.79	0.24	106,106,106,106	0
59	MG	DA	3352	1/1	0.79	0.27	80,80,80,80	0
59	MG	DB	244	1/1	0.79	0.34	68,68,68,68	0
59	MG	CA	1746	1/1	0.79	0.28	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BM	203	1/1	0.79	0.15	91,91,91,91	0
59	MG	DA	4655	1/1	0.79	0.16	79,79,79,79	0
59	MG	BA	2035	1/1	0.79	0.15	91,91,91,91	0
59	MG	CA	2142	1/1	0.79	0.42	110,110,110,110	0
59	MG	DA	3981	1/1	0.79	0.32	87,87,87,87	0
59	MG	BA	1878	1/1	0.79	0.23	75,75,75,75	0
59	MG	DD	310	1/1	0.79	0.53	64,64,64,64	0
59	MG	BA	2038	1/1	0.79	0.29	80,80,80,80	0
59	MG	AU	201	1/1	0.79	0.25	51,51,51,51	0
59	MG	DA	4006	1/1	0.79	0.12	71,71,71,71	0
59	MG	DA	3462	1/1	0.79	0.17	56,56,56,56	0
59	MG	DA	3475	1/1	0.79	0.14	51,51,51,51	0
59	MG	CA	1956	1/1	0.79	0.13	74,74,74,74	0
59	MG	CE	304	1/1	0.79	0.22	62,62,62,62	0
59	MG	BA	1814	1/1	0.79	0.14	115,115,115,115	0
59	MG	AA	3924	1/1	0.79	0.23	79,79,79,79	0
59	MG	AA	3723	1/1	0.79	0.36	79,79,79,79	0
59	MG	AA	3416	1/1	0.79	0.36	78,78,78,78	0
59	MG	CG	303	1/1	0.79	0.11	73,73,73,73	0
59	MG	CG	304	1/1	0.79	0.13	95,95,95,95	0
59	MG	DV	303	1/1	0.79	0.13	67,67,67,67	0
59	MG	BW	205	1/1	0.79	0.27	91,91,91,91	0
59	MG	BA	1920	1/1	0.79	0.21	86,86,86,86	0
59	MG	DA	3538	1/1	0.79	0.23	79,79,79,79	0
59	MG	BA	1931	1/1	0.79	0.18	68,68,68,68	0
59	MG	AA	3556	1/1	0.80	0.17	74,74,74,74	0
59	MG	DA	4831	1/1	0.80	0.15	82,82,82,82	0
59	MG	AA	3765	1/1	0.80	0.34	74,74,74,74	0
59	MG	DA	3525	1/1	0.80	0.11	43,43,43,43	0
59	MG	CA	2281	1/1	0.80	0.09	100,100,100,100	0
59	MG	AA	4007	1/1	0.80	0.10	94,94,94,94	0
59	MG	CD	128	1/1	0.80	0.14	66,66,66,66	0
59	MG	DA	3946	1/1	0.80	0.14	82,82,82,82	0
59	MG	DA	4520	1/1	0.80	0.28	84,84,84,84	0
59	MG	DA	3539	1/1	0.80	0.16	93,93,93,93	0
59	MG	DA	4526	1/1	0.80	0.11	53,53,53,53	0
59	MG	DA	3550	1/1	0.80	0.19	96,96,96,96	0
59	MG	DA	4877	1/1	0.80	0.18	77,77,77,77	0
59	MG	DA	4879	1/1	0.80	0.20	62,62,62,62	0
59	MG	CA	2005	1/1	0.80	0.14	55,55,55,55	0
59	MG	CA	1608	1/1	0.80	0.23	48,48,48,48	0
59	MG	AA	3461	1/1	0.80	0.22	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3907	1/1	0.80	0.42	57,57,57,57	0
59	MG	BA	2207	1/1	0.80	0.41	103,103,103,103	0
59	MG	BA	2144	1/1	0.80	0.25	75,75,75,75	0
59	MG	CA	1855	1/1	0.80	0.16	79,79,79,79	0
59	MG	CA	2023	1/1	0.80	0.29	79,79,79,79	0
59	MG	CA	2300	1/1	0.80	0.11	119,119,119,119	0
59	MG	DA	4566	1/1	0.80	0.17	64,64,64,64	0
59	MG	AF	303	1/1	0.80	0.22	68,68,68,68	0
59	MG	CC	113	1/1	0.80	0.24	85,85,85,85	0
59	MG	CA	2028	1/1	0.80	0.09	71,71,71,71	0
59	MG	AG	201	1/1	0.80	0.11	86,86,86,86	0
59	MG	DA	4034	1/1	0.80	0.14	71,71,71,71	0
59	MG	BA	2003	1/1	0.80	0.14	98,98,98,98	0
59	MG	BA	2004	1/1	0.80	0.14	69,69,69,69	0
59	MG	CA	1694	1/1	0.80	0.10	56,56,56,56	0
59	MG	BA	2081	1/1	0.80	0.14	69,69,69,69	0
59	MG	CA	1702	1/1	0.80	0.13	45,45,45,45	0
59	MG	CA	1865	1/1	0.80	0.14	67,67,67,67	0
59	MG	DA	4997	1/1	0.80	0.09	50,50,50,50	0
59	MG	DA	5002	1/1	0.80	0.15	89,89,89,89	0
59	MG	BA	2219	1/1	0.80	0.11	60,60,60,60	0
59	MG	AA	3041	1/1	0.80	0.13	81,81,81,81	0
59	MG	DA	5015	1/1	0.80	0.14	102,102,102,102	0
59	MG	AA	3532	1/1	0.80	0.36	87,87,87,87	0
59	MG	DA	4648	1/1	0.80	0.20	61,61,61,61	0
59	MG	BA	1643	1/1	0.80	0.28	53,53,53,53	0
59	MG	BA	2020	1/1	0.80	0.11	90,90,90,90	0
59	MG	DA	5038	1/1	0.80	0.17	84,84,84,84	0
59	MG	CA	1737	1/1	0.80	0.22	77,77,77,77	0
59	MG	DA	4668	1/1	0.80	0.26	72,72,72,72	0
59	MG	DA	3216	1/1	0.80	0.31	54,54,54,54	0
59	MG	AA	3266	1/1	0.80	0.18	73,73,73,73	0
59	MG	BD	103	1/1	0.80	0.16	58,58,58,58	0
59	MG	AA	3954	1/1	0.80	0.38	71,71,71,71	0
59	MG	DA	3262	1/1	0.80	0.23	72,72,72,72	0
59	MG	BA	1646	1/1	0.80	0.19	82,82,82,82	0
59	MG	AA	4022	1/1	0.80	0.14	62,62,62,62	0
59	MG	BA	1763	1/1	0.80	0.18	57,57,57,57	0
59	MG	DA	3766	1/1	0.80	0.26	77,77,77,77	0
59	MG	DA	3309	1/1	0.80	0.19	56,56,56,56	0
59	MG	BA	1930	1/1	0.80	0.24	62,62,62,62	0
59	MG	CA	2086	1/1	0.80	0.23	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	A1	202	1/1	0.80	0.11	61,61,61,61	0
59	MG	CA	1929	1/1	0.80	0.09	40,40,40,40	0
59	MG	BA	1934	1/1	0.80	0.39	84,84,84,84	0
59	MG	DA	4317	1/1	0.80	0.12	61,61,61,61	0
59	MG	AA	4055	1/1	0.80	0.24	110,110,110,110	0
59	MG	BA	2258	1/1	0.80	0.07	77,77,77,77	0
59	MG	DB	258	1/1	0.80	0.37	77,77,77,77	0
59	MG	AA	3102	1/1	0.80	0.14	65,65,65,65	0
59	MG	AA	3658	1/1	0.80	0.23	64,64,64,64	0
59	MG	DA	3391	1/1	0.80	0.22	84,84,84,84	0
59	MG	DA	3824	1/1	0.80	0.14	73,73,73,73	0
59	MG	DA	3397	1/1	0.80	0.14	65,65,65,65	0
59	MG	AA	3347	1/1	0.80	0.27	66,66,66,66	0
59	MG	AA	4027	1/1	0.80	0.14	72,72,72,72	0
59	MG	DA	4416	1/1	0.80	0.23	74,74,74,74	0
59	MG	BA	1778	1/1	0.80	0.28	49,49,49,49	0
59	MG	AA	3305	1/1	0.80	0.07	47,47,47,47	0
59	MG	BA	1673	1/1	0.80	0.19	73,73,73,73	0
59	MG	BA	2275	1/1	0.80	0.12	145,145,145,145	0
59	MG	BA	1783	1/1	0.80	0.19	81,81,81,81	0
59	MG	AA	3356	1/1	0.80	0.21	62,62,62,62	0
59	MG	DA	3485	1/1	0.80	0.34	77,77,77,77	0
59	MG	DA	3873	1/1	0.80	0.22	119,119,119,119	0
59	MG	AA	4033	1/1	0.80	0.18	83,83,83,83	0
59	MG	DU	216	1/1	0.80	0.11	80,80,80,80	0
59	MG	DU	217	1/1	0.80	0.28	110,110,110,110	0
59	MG	DA	4477	1/1	0.80	0.10	61,61,61,61	0
59	MG	DA	3875	1/1	0.80	0.16	116,116,116,116	0
59	MG	DA	4795	1/1	0.80	0.17	66,66,66,66	0
59	MG	DA	3890	1/1	0.80	0.16	86,86,86,86	0
59	MG	BA	2131	1/1	0.80	0.12	61,61,61,61	0
59	MG	CA	2269	1/1	0.80	0.13	71,71,71,71	0
59	MG	AB	228	1/1	0.80	0.09	64,64,64,64	0
59	MG	DA	3711	1/1	0.81	0.26	85,85,85,85	0
59	MG	CA	1708	1/1	0.81	0.17	58,58,58,58	0
59	MG	CA	1918	1/1	0.81	0.28	86,86,86,86	0
59	MG	DA	3126	1/1	0.81	0.20	63,63,63,63	0
59	MG	DA	4321	1/1	0.81	0.23	70,70,70,70	0
59	MG	AA	3315	1/1	0.81	0.08	49,49,49,49	0
59	MG	AA	4129	1/1	0.81	0.24	86,86,86,86	0
59	MG	CA	1924	1/1	0.81	0.19	88,88,88,88	0
59	MG	DA	3189	1/1	0.81	0.18	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1718	1/1	0.81	0.23	60,60,60,60	0
59	MG	AA	3742	1/1	0.81	0.18	70,70,70,70	0
59	MG	AA	3841	1/1	0.81	0.22	85,85,85,85	0
59	MG	BA	1844	1/1	0.81	0.11	118,118,118,118	0
59	MG	DA	4823	1/1	0.81	0.19	71,71,71,71	0
59	MG	DA	3206	1/1	0.81	0.29	76,76,76,76	0
59	MG	DA	4400	1/1	0.81	0.23	83,83,83,83	0
59	MG	BA	1762	1/1	0.81	0.26	78,78,78,78	0
59	MG	DA	4418	1/1	0.81	0.23	96,96,96,96	0
59	MG	AA	3157	1/1	0.81	0.31	73,73,73,73	0
59	MG	CA	1749	1/1	0.81	0.19	68,68,68,68	0
59	MG	AA	3420	1/1	0.81	0.29	68,68,68,68	0
59	MG	CA	1943	1/1	0.81	0.25	73,73,73,73	0
59	MG	BA	1642	1/1	0.81	0.12	45,45,45,45	0
59	MG	AA	3596	1/1	0.81	0.18	65,65,65,65	0
59	MG	DA	4448	1/1	0.81	0.21	95,95,95,95	0
59	MG	DA	3813	1/1	0.81	0.17	96,96,96,96	0
59	MG	AA	4042	1/1	0.81	0.20	88,88,88,88	0
59	MG	AA	3395	1/1	0.81	0.41	88,88,88,88	0
59	MG	DA	4871	1/1	0.81	0.22	86,86,86,86	0
59	MG	AA	3089	1/1	0.81	0.29	70,70,70,70	0
59	MG	BA	1776	1/1	0.81	0.10	79,79,79,79	0
59	MG	AA	3520	1/1	0.81	0.11	75,75,75,75	0
59	MG	DA	3331	1/1	0.81	0.14	68,68,68,68	0
59	MG	DA	3333	1/1	0.81	0.18	78,78,78,78	0
59	MG	CA	1789	1/1	0.81	0.17	99,99,99,99	0
59	MG	AA	3530	1/1	0.81	0.12	50,50,50,50	0
59	MG	BA	1652	1/1	0.81	0.21	40,40,40,40	0
59	MG	CA	1987	1/1	0.81	0.22	73,73,73,73	0
59	MG	DA	4507	1/1	0.81	0.21	88,88,88,88	0
59	MG	BA	1870	1/1	0.81	0.16	119,119,119,119	0
59	MG	BD	106	1/1	0.81	0.31	91,91,91,91	0
59	MG	BA	2032	1/1	0.81	0.21	70,70,70,70	0
59	MG	DA	3396	1/1	0.81	0.27	46,46,46,46	0
59	MG	AA	3122	1/1	0.81	0.24	73,73,73,73	0
59	MG	DA	4941	1/1	0.81	0.34	88,88,88,88	0
59	MG	DA	3881	1/1	0.81	0.18	86,86,86,86	0
59	MG	AO	206	1/1	0.81	0.19	53,53,53,53	0
59	MG	DA	3406	1/1	0.81	0.24	59,59,59,59	0
59	MG	BA	1877	1/1	0.81	0.20	75,75,75,75	0
59	MG	DA	4976	1/1	0.81	0.14	98,98,98,98	0
59	MG	DA	3425	1/1	0.81	0.19	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3956	1/1	0.81	0.33	93,93,93,93	0
59	MG	DA	4540	1/1	0.81	0.32	88,88,88,88	0
59	MG	AA	3632	1/1	0.81	0.23	43,43,43,43	0
59	MG	CJ	201	1/1	0.81	0.11	89,89,89,89	0
59	MG	AR	201	1/1	0.81	0.15	71,71,71,71	0
59	MG	AR	204	1/1	0.81	0.13	76,76,76,76	0
59	MG	BA	1908	1/1	0.81	0.25	79,79,79,79	0
59	MG	DA	5012	1/1	0.81	0.34	100,100,100,100	0
59	MG	DA	3940	1/1	0.81	0.10	64,64,64,64	0
59	MG	BA	1909	1/1	0.81	0.26	66,66,66,66	0
59	MG	AA	3904	1/1	0.81	0.21	77,77,77,77	0
59	MG	CT	202	1/1	0.81	0.18	85,85,85,85	0
59	MG	A1	203	1/1	0.81	0.12	77,77,77,77	0
59	MG	AA	3905	1/1	0.81	0.11	86,86,86,86	0
59	MG	BA	1928	1/1	0.81	0.13	67,67,67,67	0
59	MG	CA	2032	1/1	0.81	0.26	69,69,69,69	0
59	MG	DA	3980	1/1	0.81	0.18	65,65,65,65	0
59	MG	BA	1813	1/1	0.81	0.12	94,94,94,94	0
59	MG	CA	2038	1/1	0.81	0.21	74,74,74,74	0
59	MG	AA	4158	1/1	0.81	0.25	93,93,93,93	0
59	MG	AA	4161	1/1	0.81	0.09	68,68,68,68	0
59	MG	DA	5073	1/1	0.81	0.31	127,127,127,127	0
59	MG	DA	4004	1/1	0.81	0.21	90,90,90,90	0
59	MG	DA	4629	1/1	0.81	0.31	107,107,107,107	0
59	MG	AA	3638	1/1	0.81	0.27	51,51,51,51	0
59	MG	CA	2050	1/1	0.81	0.23	80,80,80,80	0
59	MG	DA	3572	1/1	0.81	0.22	51,51,51,51	0
59	MG	BA	1715	1/1	0.81	0.19	75,75,75,75	0
59	MG	DB	212	1/1	0.81	0.25	71,71,71,71	0
59	MG	AA	3908	1/1	0.81	0.16	68,68,68,68	0
59	MG	BC	115	1/1	0.81	0.11	106,106,106,106	0
59	MG	DA	4665	1/1	0.81	0.16	76,76,76,76	0
59	MG	AA	3431	1/1	0.81	0.12	53,53,53,53	0
59	MG	DB	231	1/1	0.81	0.31	83,83,83,83	0
59	MG	BA	2163	1/1	0.81	0.13	105,105,105,105	0
59	MG	DA	4673	1/1	0.81	0.28	91,91,91,91	0
59	MG	AA	3589	1/1	0.81	0.22	139,139,139,139	0
59	MG	BA	2269	1/1	0.81	0.16	80,80,80,80	0
59	MG	AA	3729	1/1	0.81	0.21	69,69,69,69	0
59	MG	DA	4095	1/1	0.81	0.31	115,115,115,115	0
59	MG	BA	2272	1/1	0.81	0.20	75,75,75,75	0
59	MG	BA	1963	1/1	0.81	0.19	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4118	1/1	0.81	0.16	96,96,96,96	0
59	MG	CA	1866	1/1	0.81	0.12	109,109,109,109	0
59	MG	DE	307	1/1	0.81	0.14	62,62,62,62	0
59	MG	CA	2255	1/1	0.81	0.14	95,95,95,95	0
59	MG	DA	4700	1/1	0.81	0.19	75,75,75,75	0
59	MG	BA	2073	1/1	0.81	0.17	81,81,81,81	0
59	MG	BA	1729	1/1	0.81	0.30	69,69,69,69	0
59	MG	CB	118	1/1	0.81	0.10	73,73,73,73	0
59	MG	DM	206	1/1	0.81	0.17	85,85,85,85	0
59	MG	DO	204	1/1	0.81	0.22	44,44,44,44	0
59	MG	BA	1968	1/1	0.81	0.28	96,96,96,96	0
59	MG	BA	2173	1/1	0.81	0.22	98,98,98,98	0
59	MG	AA	3732	1/1	0.81	0.17	76,76,76,76	0
59	MG	AA	4122	1/1	0.81	0.13	83,83,83,83	0
59	MG	CA	1905	1/1	0.81	0.18	81,81,81,81	0
59	MG	DA	4740	1/1	0.81	0.20	78,78,78,78	0
59	MG	AA	3879	1/1	0.81	0.16	91,91,91,91	0
59	MG	DA	3669	1/1	0.81	0.14	68,68,68,68	0
59	MG	DA	4266	1/1	0.81	0.19	64,64,64,64	0
59	MG	DA	3678	1/1	0.81	0.20	123,123,123,123	0
59	MG	BG	302	1/1	0.81	0.14	63,63,63,63	0
59	MG	DA	3690	1/1	0.81	0.22	111,111,111,111	0
59	MG	DA	4287	1/1	0.81	0.17	73,73,73,73	0
59	MG	CA	2109	1/1	0.81	0.10	74,74,74,74	0
59	MG	AA	3982	1/1	0.81	0.16	71,71,71,71	0
59	MG	DA	4463	1/1	0.82	0.21	62,62,62,62	0
59	MG	DA	4825	1/1	0.82	0.14	63,63,63,63	0
59	MG	CB	115	1/1	0.82	0.22	97,97,97,97	0
59	MG	DA	3891	1/1	0.82	0.19	82,82,82,82	0
59	MG	DA	3522	1/1	0.82	0.26	63,63,63,63	0
59	MG	AA	3957	1/1	0.82	0.26	74,74,74,74	0
59	MG	DA	4482	1/1	0.82	0.29	80,80,80,80	0
59	MG	DA	4488	1/1	0.82	0.19	89,89,89,89	0
59	MG	AA	3519	1/1	0.82	0.10	63,63,63,63	0
59	MG	AA	3960	1/1	0.82	0.20	101,101,101,101	0
59	MG	BA	1936	1/1	0.82	0.23	80,80,80,80	0
59	MG	AA	3714	1/1	0.82	0.22	70,70,70,70	0
59	MG	CA	1774	1/1	0.82	0.14	78,78,78,78	0
59	MG	CC	114	1/1	0.82	0.08	73,73,73,73	0
59	MG	AU	202	1/1	0.82	0.17	76,76,76,76	0
59	MG	DA	4865	1/1	0.82	0.13	67,67,67,67	0
59	MG	CA	2177	1/1	0.82	0.16	116,116,116,116	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AB	222	1/1	0.82	0.17	85,85,85,85	0
59	MG	DA	4874	1/1	0.82	0.44	84,84,84,84	0
59	MG	AA	3716	1/1	0.82	0.12	74,74,74,74	0
59	MG	DA	3580	1/1	0.82	0.16	58,58,58,58	0
59	MG	DA	3025	1/1	0.82	0.14	44,44,44,44	0
59	MG	AA	3889	1/1	0.82	0.15	73,73,73,73	0
59	MG	CA	1790	1/1	0.82	0.18	81,81,81,81	0
59	MG	CA	2065	1/1	0.82	0.34	87,87,87,87	0
59	MG	AA	4136	1/1	0.82	0.12	71,71,71,71	0
59	MG	AB	227	1/1	0.82	0.08	82,82,82,82	0
59	MG	BA	1711	1/1	0.82	0.24	68,68,68,68	0
59	MG	DA	3169	1/1	0.82	0.15	59,59,59,59	0
59	MG	AA	3249	1/1	0.82	0.14	41,41,41,41	0
59	MG	CA	2208	1/1	0.82	0.13	81,81,81,81	0
59	MG	DA	3644	1/1	0.82	0.18	84,84,84,84	0
59	MG	BA	2053	1/1	0.82	0.20	90,90,90,90	0
59	MG	BA	2126	1/1	0.82	0.09	74,74,74,74	0
59	MG	DA	4940	1/1	0.82	0.12	69,69,69,69	0
59	MG	CG	302	1/1	0.82	0.11	67,67,67,67	0
59	MG	BA	1861	1/1	0.82	0.21	78,78,78,78	0
59	MG	BA	2130	1/1	0.82	0.15	86,86,86,86	0
59	MG	DA	4951	1/1	0.82	0.17	102,102,102,102	0
59	MG	CA	2224	1/1	0.82	0.14	83,83,83,83	0
59	MG	DA	4576	1/1	0.82	0.22	87,87,87,87	0
59	MG	DA	3232	1/1	0.82	0.23	61,61,61,61	0
59	MG	AA	3787	1/1	0.82	0.18	70,70,70,70	0
59	MG	DA	4048	1/1	0.82	0.12	75,75,75,75	0
59	MG	DA	3255	1/1	0.82	0.19	72,72,72,72	0
59	MG	AA	3338	1/1	0.82	0.09	72,72,72,72	0
59	MG	DA	4602	1/1	0.82	0.26	71,71,71,71	0
59	MG	DA	4998	1/1	0.82	0.28	110,110,110,110	0
59	MG	DA	4603	1/1	0.82	0.21	55,55,55,55	0
59	MG	DA	4082	1/1	0.82	0.27	75,75,75,75	0
59	MG	AA	3296	1/1	0.82	0.23	55,55,55,55	0
59	MG	DA	4101	1/1	0.82	0.24	82,82,82,82	0
59	MG	DA	3260	1/1	0.82	0.27	60,60,60,60	0
59	MG	CA	2098	1/1	0.82	0.10	64,64,64,64	0
59	MG	BA	1620	1/1	0.82	0.15	50,50,50,50	0
59	MG	DA	4628	1/1	0.82	0.15	94,94,94,94	0
59	MG	AA	3672	1/1	0.82	0.22	55,55,55,55	0
59	MG	DA	4635	1/1	0.82	0.09	71,71,71,71	0
59	MG	AA	3253	1/1	0.82	0.12	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	5046	1/1	0.82	0.13	77,77,77,77	0
59	MG	DA	4129	1/1	0.82	0.08	109,109,109,109	0
59	MG	DA	3288	1/1	0.82	0.09	52,52,52,52	0
59	MG	DA	4151	1/1	0.82	0.19	66,66,66,66	0
59	MG	DA	3735	1/1	0.82	0.27	76,76,76,76	0
59	MG	DA	4159	1/1	0.82	0.13	62,62,62,62	0
59	MG	DA	5066	1/1	0.82	0.12	61,61,61,61	0
59	MG	AA	3944	1/1	0.82	0.27	71,71,71,71	0
59	MG	BK	206	1/1	0.82	0.21	108,108,108,108	0
59	MG	DA	4240	1/1	0.82	0.33	70,70,70,70	0
59	MG	BL	202	1/1	0.82	0.11	64,64,64,64	0
59	MG	CR	103	1/1	0.82	0.16	70,70,70,70	0
59	MG	AA	3799	1/1	0.82	0.33	93,93,93,93	0
59	MG	DA	3756	1/1	0.82	0.17	126,126,126,126	0
59	MG	CS	106	1/1	0.82	0.08	77,77,77,77	0
59	MG	BA	1874	1/1	0.82	0.15	93,93,93,93	0
59	MG	AA	3801	1/1	0.82	0.15	90,90,90,90	0
59	MG	AA	3537	1/1	0.82	0.26	56,56,56,56	0
59	MG	AA	3950	1/1	0.82	0.08	63,63,63,63	0
59	MG	BA	2077	1/1	0.82	0.18	74,74,74,74	0
59	MG	DA	3371	1/1	0.82	0.24	73,73,73,73	0
59	MG	BA	2078	1/1	0.82	0.16	79,79,79,79	0
59	MG	AA	4157	1/1	0.82	0.15	76,76,76,76	0
59	MG	DA	4710	1/1	0.82	0.15	102,102,102,102	0
59	MG	AA	3804	1/1	0.82	0.10	94,94,94,94	0
59	MG	DA	3801	1/1	0.82	0.22	96,96,96,96	0
59	MG	DB	263	1/1	0.82	0.22	80,80,80,80	0
59	MG	AA	3698	1/1	0.82	0.09	64,64,64,64	0
59	MG	DB	266	1/1	0.82	0.10	51,51,51,51	0
59	MG	DA	3809	1/1	0.82	0.10	82,82,82,82	0
59	MG	CA	2266	1/1	0.82	0.12	73,73,73,73	0
59	MG	DB	273	1/1	0.82	0.29	100,100,100,100	0
59	MG	AA	4120	1/1	0.82	0.23	87,87,87,87	0
59	MG	DA	3412	1/1	0.82	0.13	68,68,68,68	0
59	MG	AA	4035	1/1	0.82	0.25	75,75,75,75	0
59	MG	DE	312	1/1	0.82	0.12	74,74,74,74	0
59	MG	DF	315	1/1	0.82	0.24	76,76,76,76	0
59	MG	DA	4342	1/1	0.82	0.24	93,93,93,93	0
59	MG	DG	201	1/1	0.82	0.20	68,68,68,68	0
59	MG	BA	2241	1/1	0.82	0.14	78,78,78,78	0
59	MG	DA	3431	1/1	0.82	0.24	61,61,61,61	0
59	MG	DA	4359	1/1	0.82	0.15	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	1766	1/1	0.82	0.11	74,74,74,74	0
59	MG	DA	3452	1/1	0.82	0.14	68,68,68,68	0
59	MG	CA	1725	1/1	0.82	0.16	55,55,55,55	0
59	MG	DP	203	1/1	0.82	0.14	92,92,92,92	0
59	MG	CA	2146	1/1	0.82	0.22	85,85,85,85	0
59	MG	D0	209	1/1	0.82	0.27	91,91,91,91	0
59	MG	DA	3466	1/1	0.82	0.24	79,79,79,79	0
59	MG	DS	207	1/1	0.82	0.31	109,109,109,109	0
59	MG	DT	105	1/1	0.82	0.19	84,84,84,84	0
59	MG	DA	4403	1/1	0.82	0.35	83,83,83,83	0
59	MG	BA	1919	1/1	0.82	0.23	59,59,59,59	0
59	MG	DU	210	1/1	0.82	0.22	107,107,107,107	0
59	MG	AA	3027	1/1	0.82	0.13	60,60,60,60	0
59	MG	CA	1875	1/1	0.82	0.09	71,71,71,71	0
59	MG	DA	3865	1/1	0.82	0.14	87,87,87,87	0
59	MG	DA	3867	1/1	0.82	0.31	100,100,100,100	0
59	MG	CA	1743	1/1	0.82	0.19	81,81,81,81	0
59	MG	AA	3997	1/1	0.82	0.19	78,78,78,78	0
59	MG	BA	2030	1/1	0.82	0.30	71,71,71,71	0
59	MG	CA	2291	1/1	0.82	0.15	80,80,80,80	0
59	MG	DA	4812	1/1	0.82	0.20	87,87,87,87	0
59	MG	DX	102	1/1	0.82	0.15	62,62,62,62	0
59	MG	DA	4461	1/1	0.82	0.33	88,88,88,88	0
59	MG	D7	105	1/1	0.82	0.14	52,52,52,52	0
59	MG	CA	2035	1/1	0.82	0.08	68,68,68,68	0
59	MG	AA	3874	1/1	0.83	0.10	90,90,90,90	0
59	MG	DA	3354	1/1	0.83	0.18	66,66,66,66	0
59	MG	AB	221	1/1	0.83	0.17	61,61,61,61	0
59	MG	AA	3213	1/1	0.83	0.18	51,51,51,51	0
59	MG	BA	2000	1/1	0.83	0.20	93,93,93,93	0
59	MG	AA	3351	1/1	0.83	0.12	62,62,62,62	0
59	MG	AA	3117	1/1	0.83	0.27	72,72,72,72	0
59	MG	DA	3392	1/1	0.83	0.20	76,76,76,76	0
59	MG	CA	1826	1/1	0.83	0.09	83,83,83,83	0
59	MG	DA	3863	1/1	0.83	0.13	69,69,69,69	0
59	MG	AA	3320	1/1	0.83	0.27	69,69,69,69	0
59	MG	CA	1834	1/1	0.83	0.09	67,67,67,67	0
59	MG	DA	4490	1/1	0.83	0.07	125,125,125,125	0
59	MG	CA	2185	1/1	0.83	0.09	87,87,87,87	0
59	MG	DA	3409	1/1	0.83	0.15	44,44,44,44	0
59	MG	BA	2266	1/1	0.83	0.19	91,91,91,91	0
59	MG	DA	3417	1/1	0.83	0.21	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2022	1/1	0.83	0.21	88,88,88,88	0
59	MG	DA	4884	1/1	0.83	0.20	73,73,73,73	0
59	MG	CM	202	1/1	0.83	0.15	86,86,86,86	0
59	MG	CR	101	1/1	0.83	0.19	89,89,89,89	0
59	MG	AA	3670	1/1	0.83	0.15	54,54,54,54	0
59	MG	CS	101	1/1	0.83	0.16	61,61,61,61	0
59	MG	DA	4904	1/1	0.83	0.17	71,71,71,71	0
59	MG	AA	3599	1/1	0.83	0.25	110,110,110,110	0
59	MG	DA	3456	1/1	0.83	0.23	60,60,60,60	0
59	MG	BA	1894	1/1	0.83	0.32	83,83,83,83	0
59	MG	DA	3908	1/1	0.83	0.18	124,124,124,124	0
59	MG	DA	3910	1/1	0.83	0.11	143,143,143,143	0
59	MG	BC	107	1/1	0.83	0.19	65,65,65,65	0
59	MG	DA	4924	1/1	0.83	0.12	75,75,75,75	0
59	MG	DA	4925	1/1	0.83	0.18	73,73,73,73	0
59	MG	DA	3469	1/1	0.83	0.31	63,63,63,63	0
59	MG	AA	4138	1/1	0.83	0.16	57,57,57,57	0
59	MG	AA	3451	1/1	0.83	0.21	89,89,89,89	0
59	MG	AA	3691	1/1	0.83	0.19	79,79,79,79	0
59	MG	CA	2034	1/1	0.83	0.17	61,61,61,61	0
59	MG	AA	3740	1/1	0.83	0.18	60,60,60,60	0
59	MG	CA	2214	1/1	0.83	0.11	104,104,104,104	0
59	MG	AA	3306	1/1	0.83	0.20	49,49,49,49	0
59	MG	CA	2042	1/1	0.83	0.15	57,57,57,57	0
59	MG	DA	3512	1/1	0.83	0.25	66,66,66,66	0
59	MG	CA	2221	1/1	0.83	0.10	72,72,72,72	0
59	MG	CD	117	1/1	0.83	0.14	58,58,58,58	0
59	MG	BA	2105	1/1	0.83	0.14	117,117,117,117	0
59	MG	CA	1602	1/1	0.83	0.11	89,89,89,89	0
59	MG	AA	3750	1/1	0.83	0.13	66,66,66,66	0
59	MG	AA	4000	1/1	0.83	0.07	91,91,91,91	0
59	MG	BA	1630	1/1	0.83	0.15	78,78,78,78	0
59	MG	CA	2052	1/1	0.83	0.15	54,54,54,54	0
59	MG	BA	1922	1/1	0.83	0.14	71,71,71,71	0
59	MG	CA	1643	1/1	0.83	0.14	51,51,51,51	0
59	MG	DA	4019	1/1	0.83	0.11	91,91,91,91	0
59	MG	DA	3573	1/1	0.83	0.17	84,84,84,84	0
59	MG	DA	3574	1/1	0.83	0.09	71,71,71,71	0
59	MG	CA	1645	1/1	0.83	0.16	74,74,74,74	0
59	MG	CA	2062	1/1	0.83	0.08	85,85,85,85	0
59	MG	CA	1658	1/1	0.83	0.20	48,48,48,48	0
59	MG	BG	304	1/1	0.83	0.30	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BG	305	1/1	0.83	0.08	70,70,70,70	0
59	MG	CB	112	1/1	0.83	0.09	77,77,77,77	0
59	MG	CA	2067	1/1	0.83	0.20	89,89,89,89	0
59	MG	DA	5057	1/1	0.83	0.37	97,97,97,97	0
59	MG	DA	4637	1/1	0.83	0.17	80,80,80,80	0
59	MG	BA	1632	1/1	0.83	0.24	68,68,68,68	0
59	MG	BA	1829	1/1	0.83	0.26	75,75,75,75	0
59	MG	AA	3392	1/1	0.83	0.18	63,63,63,63	0
59	MG	AK	202	1/1	0.83	0.21	75,75,75,75	0
59	MG	AA	3758	1/1	0.83	0.26	65,65,65,65	0
59	MG	DA	4661	1/1	0.83	0.20	76,76,76,76	0
59	MG	CA	2257	1/1	0.83	0.20	60,60,60,60	0
59	MG	CA	1698	1/1	0.83	0.25	101,101,101,101	0
59	MG	CA	2080	1/1	0.83	0.24	83,83,83,83	0
59	MG	CA	2264	1/1	0.83	0.21	77,77,77,77	0
59	MG	AA	3564	1/1	0.83	0.23	67,67,67,67	0
59	MG	DB	213	1/1	0.83	0.19	64,64,64,64	0
59	MG	CA	1707	1/1	0.83	0.31	54,54,54,54	0
59	MG	CA	1903	1/1	0.83	0.13	56,56,56,56	0
59	MG	DB	227	1/1	0.83	0.16	59,59,59,59	0
59	MG	AA	4008	1/1	0.83	0.13	78,78,78,78	0
59	MG	AA	3417	1/1	0.83	0.11	58,58,58,58	0
59	MG	AQ	202	1/1	0.83	0.12	94,94,94,94	0
59	MG	DB	238	1/1	0.83	0.34	100,100,100,100	0
59	MG	DA	4201	1/1	0.83	0.14	57,57,57,57	0
59	MG	DA	4208	1/1	0.83	0.29	74,74,74,74	0
59	MG	CA	1914	1/1	0.83	0.14	58,58,58,58	0
59	MG	AA	3712	1/1	0.83	0.12	57,57,57,57	0
59	MG	BA	2133	1/1	0.83	0.14	122,122,122,122	0
59	MG	DA	4252	1/1	0.83	0.12	60,60,60,60	0
59	MG	AA	3770	1/1	0.83	0.06	70,70,70,70	0
59	MG	AA	3857	1/1	0.83	0.22	65,65,65,65	0
59	MG	A1	201	1/1	0.83	0.19	60,60,60,60	0
59	MG	DA	3187	1/1	0.83	0.14	45,45,45,45	0
59	MG	DA	4723	1/1	0.83	0.09	71,71,71,71	0
59	MG	AA	3060	1/1	0.83	0.15	76,76,76,76	0
59	MG	AA	3810	1/1	0.83	0.22	85,85,85,85	0
59	MG	DA	4734	1/1	0.83	0.27	71,71,71,71	0
59	MG	BW	203	1/1	0.83	0.25	125,125,125,125	0
59	MG	DF	312	1/1	0.83	0.16	75,75,75,75	0
59	MG	AA	3270	1/1	0.83	0.18	72,72,72,72	0
59	MG	AA	3863	1/1	0.83	0.22	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2127	1/1	0.83	0.13	88,88,88,88	0
59	MG	BA	1668	1/1	0.83	0.12	56,56,56,56	0
59	MG	BA	2146	1/1	0.83	0.24	81,81,81,81	0
59	MG	DH	204	1/1	0.83	0.33	87,87,87,87	0
59	MG	CA	1760	1/1	0.83	0.24	69,69,69,69	0
59	MG	DA	3754	1/1	0.83	0.11	107,107,107,107	0
59	MG	CA	1941	1/1	0.83	0.23	91,91,91,91	0
59	MG	BA	1784	1/1	0.83	0.07	54,54,54,54	0
59	MG	DO	213	1/1	0.83	0.18	96,96,96,96	0
59	MG	BA	1978	1/1	0.83	0.33	73,73,73,73	0
59	MG	BD	108	1/1	0.83	0.13	82,82,82,82	0
59	MG	BA	1983	1/1	0.83	0.18	80,80,80,80	0
59	MG	D1	207	1/1	0.83	0.12	64,64,64,64	0
59	MG	D1	211	1/1	0.83	0.16	49,49,49,49	0
59	MG	DA	3274	1/1	0.83	0.30	67,67,67,67	0
59	MG	BD	110	1/1	0.83	0.11	81,81,81,81	0
59	MG	DA	4348	1/1	0.83	0.19	62,62,62,62	0
59	MG	DT	106	1/1	0.83	0.16	69,69,69,69	0
59	MG	DA	4782	1/1	0.83	0.25	83,83,83,83	0
59	MG	DA	3773	1/1	0.83	0.10	70,70,70,70	0
59	MG	CA	2315	1/1	0.83	0.17	94,94,94,94	0
59	MG	BA	2235	1/1	0.83	0.14	69,69,69,69	0
59	MG	BA	1986	1/1	0.83	0.11	78,78,78,78	0
59	MG	DA	3298	1/1	0.83	0.16	97,97,97,97	0
59	MG	BA	2152	1/1	0.83	0.23	83,83,83,83	0
59	MG	DU	218	1/1	0.83	0.14	73,73,73,73	0
59	MG	AA	3475	1/1	0.83	0.21	85,85,85,85	0
59	MG	CA	2150	1/1	0.83	0.19	85,85,85,85	0
59	MG	BA	1788	1/1	0.83	0.14	53,53,53,53	0
59	MG	CA	1794	1/1	0.83	0.09	124,124,124,124	0
59	MG	D3	107	1/1	0.83	0.13	53,53,53,53	0
59	MG	DA	4420	1/1	0.83	0.08	40,40,40,40	0
59	MG	BA	2157	1/1	0.83	0.09	72,72,72,72	0
59	MG	AA	3817	1/1	0.83	0.18	66,66,66,66	0
59	MG	DA	3823	1/1	0.83	0.10	81,81,81,81	0
59	MG	CA	1797	1/1	0.83	0.19	52,52,52,52	0
59	MG	AA	3602	1/1	0.84	0.11	102,102,102,102	0
59	MG	BA	1772	1/1	0.84	0.32	75,75,75,75	0
59	MG	CA	1679	1/1	0.84	0.27	60,60,60,60	0
59	MG	AA	3429	1/1	0.84	0.10	60,60,60,60	0
59	MG	BA	1774	1/1	0.84	0.09	53,53,53,53	0
59	MG	BA	2092	1/1	0.84	0.12	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2235	1/1	0.84	0.17	70,70,70,70	0
59	MG	DA	3486	1/1	0.84	0.24	58,58,58,58	0
59	MG	BA	1862	1/1	0.84	0.13	77,77,77,77	0
59	MG	AO	202	1/1	0.84	0.20	55,55,55,55	0
59	MG	BK	203	1/1	0.84	0.16	69,69,69,69	0
59	MG	CA	1705	1/1	0.84	0.25	54,54,54,54	0
59	MG	CA	2066	1/1	0.84	0.23	77,77,77,77	0
59	MG	AA	3910	1/1	0.84	0.12	76,76,76,76	0
59	MG	DA	4883	1/1	0.84	0.22	96,96,96,96	0
59	MG	AA	3913	1/1	0.84	0.07	38,38,38,38	0
59	MG	CA	1900	1/1	0.84	0.17	74,74,74,74	0
59	MG	CA	1902	1/1	0.84	0.08	52,52,52,52	0
59	MG	AA	3310	1/1	0.84	0.23	47,47,47,47	0
59	MG	DA	4514	1/1	0.84	0.12	80,80,80,80	0
59	MG	BO	201	1/1	0.84	0.13	72,72,72,72	0
59	MG	CA	1907	1/1	0.84	0.36	66,66,66,66	0
59	MG	BA	1781	1/1	0.84	0.15	69,69,69,69	0
59	MG	DA	4911	1/1	0.84	0.20	85,85,85,85	0
59	MG	AA	3611	1/1	0.84	0.10	70,70,70,70	0
59	MG	AA	3814	1/1	0.84	0.14	67,67,67,67	0
59	MG	AA	3870	1/1	0.84	0.16	69,69,69,69	0
59	MG	CA	2087	1/1	0.84	0.10	95,95,95,95	0
59	MG	BA	2109	1/1	0.84	0.14	93,93,93,93	0
59	MG	AA	3287	1/1	0.84	0.13	66,66,66,66	0
59	MG	AA	4159	1/1	0.84	0.17	67,67,67,67	0
59	MG	CA	2101	1/1	0.84	0.17	68,68,68,68	0
59	MG	BA	2025	1/1	0.84	0.19	90,90,90,90	0
59	MG	BA	2113	1/1	0.84	0.24	92,92,92,92	0
59	MG	CA	2279	1/1	0.84	0.14	67,67,67,67	0
59	MG	DA	4554	1/1	0.84	0.25	81,81,81,81	0
59	MG	DA	3607	1/1	0.84	0.20	79,79,79,79	0
59	MG	AA	3713	1/1	0.84	0.28	83,83,83,83	0
59	MG	DA	4021	1/1	0.84	0.15	76,76,76,76	0
59	MG	DA	4572	1/1	0.84	0.27	76,76,76,76	0
59	MG	DA	4992	1/1	0.84	0.23	88,88,88,88	0
59	MG	C1	106	1/1	0.84	0.26	89,89,89,89	0
59	MG	BA	1792	1/1	0.84	0.29	79,79,79,79	0
59	MG	CA	2110	1/1	0.84	0.13	62,62,62,62	0
59	MG	CA	1755	1/1	0.84	0.15	75,75,75,75	0
59	MG	AA	3618	1/1	0.84	0.09	89,89,89,89	0
59	MG	DA	4039	1/1	0.84	0.21	75,75,75,75	0
59	MG	AA	3408	1/1	0.84	0.13	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3130	1/1	0.84	0.14	73,73,73,73	0
59	MG	AA	3258	1/1	0.84	0.38	81,81,81,81	0
59	MG	DA	4053	1/1	0.84	0.14	75,75,75,75	0
59	MG	DA	4054	1/1	0.84	0.14	108,108,108,108	0
59	MG	CA	1765	1/1	0.84	0.24	56,56,56,56	0
59	MG	DA	5022	1/1	0.84	0.18	82,82,82,82	0
59	MG	AA	3411	1/1	0.84	0.18	73,73,73,73	0
59	MG	DA	4085	1/1	0.84	0.13	60,60,60,60	0
59	MG	DA	5030	1/1	0.84	0.37	93,93,93,93	0
59	MG	BA	2220	1/1	0.84	0.35	86,86,86,86	0
59	MG	AA	3242	1/1	0.84	0.24	56,56,56,56	0
59	MG	AA	3943	1/1	0.84	0.21	65,65,65,65	0
59	MG	CA	2302	1/1	0.84	0.11	77,77,77,77	0
59	MG	DA	5051	1/1	0.84	0.26	103,103,103,103	0
59	MG	BA	1915	1/1	0.84	0.28	69,69,69,69	0
59	MG	DA	4640	1/1	0.84	0.13	66,66,66,66	0
59	MG	CA	1954	1/1	0.84	0.29	90,90,90,90	0
59	MG	DA	4123	1/1	0.84	0.17	75,75,75,75	0
59	MG	DA	4125	1/1	0.84	0.21	76,76,76,76	0
59	MG	BA	2228	1/1	0.84	0.15	98,98,98,98	0
59	MG	CA	1958	1/1	0.84	0.15	75,75,75,75	0
59	MG	DA	5068	1/1	0.84	0.12	64,64,64,64	0
59	MG	BA	1712	1/1	0.84	0.23	56,56,56,56	0
59	MG	DA	4149	1/1	0.84	0.30	70,70,70,70	0
59	MG	DA	4664	1/1	0.84	0.14	66,66,66,66	0
59	MG	AA	3643	1/1	0.84	0.21	61,61,61,61	0
59	MG	DB	207	1/1	0.84	0.12	64,64,64,64	0
59	MG	AA	3292	1/1	0.84	0.38	79,79,79,79	0
59	MG	BA	1816	1/1	0.84	0.08	71,71,71,71	0
59	MG	DA	4173	1/1	0.84	0.17	60,60,60,60	0
59	MG	DA	4180	1/1	0.84	0.23	66,66,66,66	0
59	MG	DA	4680	1/1	0.84	0.11	71,71,71,71	0
59	MG	DB	214	1/1	0.84	0.28	76,76,76,76	0
59	MG	DA	3721	1/1	0.84	0.13	51,51,51,51	0
59	MG	DB	220	1/1	0.84	0.11	79,79,79,79	0
59	MG	BA	2045	1/1	0.84	0.10	66,66,66,66	0
59	MG	DA	4685	1/1	0.84	0.22	64,64,64,64	0
59	MG	BA	1926	1/1	0.84	0.06	53,53,53,53	0
59	MG	AZ	101	1/1	0.84	0.29	83,83,83,83	0
59	MG	CA	1982	1/1	0.84	0.14	59,59,59,59	0
59	MG	DA	3270	1/1	0.84	0.15	90,90,90,90	0
59	MG	CA	2324	1/1	0.84	0.19	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DB	246	1/1	0.84	0.11	52,52,52,52	0
59	MG	DB	248	1/1	0.84	0.18	76,76,76,76	0
59	MG	DA	4248	1/1	0.84	0.41	89,89,89,89	0
59	MG	DB	253	1/1	0.84	0.12	74,74,74,74	0
59	MG	AA	3205	1/1	0.84	0.22	71,71,71,71	0
59	MG	BA	1820	1/1	0.84	0.13	84,84,84,84	0
59	MG	BA	1723	1/1	0.84	0.21	63,63,63,63	0
59	MG	DA	4709	1/1	0.84	0.26	81,81,81,81	0
59	MG	AA	3947	1/1	0.84	0.09	84,84,84,84	0
59	MG	AA	3583	1/1	0.84	0.13	72,72,72,72	0
59	MG	DB	268	1/1	0.84	0.28	81,81,81,81	0
59	MG	DA	3758	1/1	0.84	0.13	100,100,100,100	0
59	MG	DA	3762	1/1	0.84	0.30	89,89,89,89	0
59	MG	DA	4724	1/1	0.84	0.26	89,89,89,89	0
59	MG	CA	2000	1/1	0.84	0.12	99,99,99,99	0
59	MG	DA	4732	1/1	0.84	0.16	71,71,71,71	0
59	MG	CA	2002	1/1	0.84	0.09	112,112,112,112	0
59	MG	BA	1944	1/1	0.84	0.23	71,71,71,71	0
59	MG	AA	3791	1/1	0.84	0.10	65,65,65,65	0
59	MG	DA	4737	1/1	0.84	0.25	85,85,85,85	0
59	MG	AA	4066	1/1	0.84	0.16	82,82,82,82	0
59	MG	DF	325	1/1	0.84	0.08	47,47,47,47	0
59	MG	CA	2008	1/1	0.84	0.09	56,56,56,56	0
59	MG	AA	3345	1/1	0.84	0.19	55,55,55,55	0
59	MG	DH	201	1/1	0.84	0.21	48,48,48,48	0
59	MG	DA	3791	1/1	0.84	0.27	109,109,109,109	0
59	MG	BA	1614	1/1	0.84	0.27	73,73,73,73	0
59	MG	DY	201	1/1	0.84	0.11	100,100,100,100	0
59	MG	CA	1836	1/1	0.84	0.14	131,131,131,131	0
59	MG	DY	204	1/1	0.84	0.11	85,85,85,85	0
59	MG	BA	1751	1/1	0.84	0.15	62,62,62,62	0
59	MG	AA	3269	1/1	0.84	0.20	61,61,61,61	0
59	MG	AA	3325	1/1	0.84	0.20	50,50,50,50	0
59	MG	CA	2187	1/1	0.84	0.29	80,80,80,80	0
59	MG	DO	214	1/1	0.84	0.24	61,61,61,61	0
59	MG	AA	3166	1/1	0.84	0.10	65,65,65,65	0
59	MG	DA	3385	1/1	0.84	0.27	85,85,85,85	0
59	MG	D0	206	1/1	0.84	0.10	45,45,45,45	0
59	MG	BA	2271	1/1	0.84	0.16	106,106,106,106	0
59	MG	D0	211	1/1	0.84	0.25	89,89,89,89	0
59	MG	AA	3354	1/1	0.84	0.09	53,53,53,53	0
59	MG	AA	4081	1/1	0.84	0.14	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1603	1/1	0.84	0.29	80,80,80,80	0
59	MG	AE	302	1/1	0.84	0.17	74,74,74,74	0
59	MG	AA	3959	1/1	0.84	0.24	96,96,96,96	0
59	MG	DA	4396	1/1	0.84	0.33	85,85,85,85	0
59	MG	AA	4021	1/1	0.84	0.16	80,80,80,80	0
59	MG	DA	3832	1/1	0.84	0.29	55,55,55,55	0
59	MG	DA	4404	1/1	0.84	0.15	68,68,68,68	0
59	MG	CT	201	1/1	0.84	0.24	99,99,99,99	0
59	MG	DA	4798	1/1	0.84	0.16	72,72,72,72	0
59	MG	DA	4804	1/1	0.84	0.18	69,69,69,69	0
59	MG	DA	3416	1/1	0.84	0.12	62,62,62,62	0
59	MG	DA	3847	1/1	0.84	0.16	81,81,81,81	0
59	MG	AA	3676	1/1	0.84	0.37	81,81,81,81	0
59	MG	BA	1982	1/1	0.84	0.09	96,96,96,96	0
59	MG	CV	104	1/1	0.84	0.11	86,86,86,86	0
59	MG	BA	2172	1/1	0.84	0.12	75,75,75,75	0
59	MG	DA	3432	1/1	0.84	0.20	46,46,46,46	0
59	MG	CD	101	1/1	0.84	0.14	85,85,85,85	0
59	MG	CA	2046	1/1	0.84	0.18	67,67,67,67	0
59	MG	DA	4453	1/1	0.84	0.17	49,49,49,49	0
59	MG	AA	3756	1/1	0.84	0.21	65,65,65,65	0
59	MG	AA	3023	1/1	0.84	0.23	59,59,59,59	0
59	MG	A8	102	1/1	0.85	0.26	68,68,68,68	0
59	MG	DA	3191	1/1	0.85	0.24	60,60,60,60	0
59	MG	CA	1610	1/1	0.85	0.17	48,48,48,48	0
59	MG	CA	1612	1/1	0.85	0.15	57,57,57,57	0
59	MG	DA	4355	1/1	0.85	0.41	79,79,79,79	0
59	MG	AA	3526	1/1	0.85	0.09	75,75,75,75	0
59	MG	AA	3414	1/1	0.85	0.20	56,56,56,56	0
59	MG	DA	4367	1/1	0.85	0.20	65,65,65,65	0
59	MG	DA	4369	1/1	0.85	0.35	78,78,78,78	0
59	MG	DA	4833	1/1	0.85	0.20	76,76,76,76	0
59	MG	AA	3276	1/1	0.85	0.19	46,46,46,46	0
59	MG	DA	4837	1/1	0.85	0.08	55,55,55,55	0
59	MG	CA	1896	1/1	0.85	0.15	73,73,73,73	0
59	MG	DA	4842	1/1	0.85	0.15	65,65,65,65	0
59	MG	DA	3769	1/1	0.85	0.23	72,72,72,72	0
59	MG	CA	1637	1/1	0.85	0.11	45,45,45,45	0
59	MG	DA	3245	1/1	0.85	0.17	41,41,41,41	0
59	MG	DA	4854	1/1	0.85	0.13	66,66,66,66	0
59	MG	CA	1638	1/1	0.85	0.13	51,51,51,51	0
59	MG	CA	2099	1/1	0.85	0.11	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4408	1/1	0.85	0.11	54,54,54,54	0
59	MG	AA	4013	1/1	0.85	0.14	119,119,119,119	0
59	MG	AA	3448	1/1	0.85	0.25	93,93,93,93	0
59	MG	BA	1875	1/1	0.85	0.15	125,125,125,125	0
59	MG	DA	3268	1/1	0.85	0.28	50,50,50,50	0
59	MG	AA	3869	1/1	0.85	0.10	68,68,68,68	0
59	MG	CA	2108	1/1	0.85	0.10	78,78,78,78	0
59	MG	DA	3808	1/1	0.85	0.13	77,77,77,77	0
59	MG	DA	3278	1/1	0.85	0.21	62,62,62,62	0
59	MG	AA	3283	1/1	0.85	0.21	74,74,74,74	0
59	MG	DA	3283	1/1	0.85	0.29	87,87,87,87	0
59	MG	DA	3814	1/1	0.85	0.12	67,67,67,67	0
59	MG	AA	3623	1/1	0.85	0.16	50,50,50,50	0
59	MG	CA	2113	1/1	0.85	0.15	68,68,68,68	0
59	MG	AA	3160	1/1	0.85	0.16	64,64,64,64	0
59	MG	DA	4901	1/1	0.85	0.13	84,84,84,84	0
59	MG	BA	1898	1/1	0.85	0.15	49,49,49,49	0
59	MG	AA	3379	1/1	0.85	0.10	70,70,70,70	0
59	MG	BA	2043	1/1	0.85	0.09	109,109,109,109	0
59	MG	AA	3631	1/1	0.85	0.08	58,58,58,58	0
59	MG	AA	3457	1/1	0.85	0.07	57,57,57,57	0
59	MG	BA	2158	1/1	0.85	0.25	77,77,77,77	0
59	MG	CA	2125	1/1	0.85	0.25	79,79,79,79	0
59	MG	DA	3337	1/1	0.85	0.16	44,44,44,44	0
59	MG	AA	3248	1/1	0.85	0.17	78,78,78,78	0
59	MG	AA	3882	1/1	0.85	0.25	77,77,77,77	0
59	MG	BG	301	1/1	0.85	0.15	67,67,67,67	0
59	MG	DA	4935	1/1	0.85	0.27	105,105,105,105	0
59	MG	BA	2051	1/1	0.85	0.22	108,108,108,108	0
59	MG	DA	4502	1/1	0.85	0.11	62,62,62,62	0
59	MG	BA	1912	1/1	0.85	0.25	82,82,82,82	0
59	MG	DA	4947	1/1	0.85	0.18	87,87,87,87	0
59	MG	AA	3733	1/1	0.85	0.26	72,72,72,72	0
59	MG	DA	4949	1/1	0.85	0.15	71,71,71,71	0
59	MG	AA	3555	1/1	0.85	0.17	60,60,60,60	0
59	MG	DA	3870	1/1	0.85	0.18	67,67,67,67	0
59	MG	AA	3167	1/1	0.85	0.12	61,61,61,61	0
59	MG	BH	202	1/1	0.85	0.09	61,61,61,61	0
59	MG	DA	4516	1/1	0.85	0.09	53,53,53,53	0
59	MG	DA	4985	1/1	0.85	0.33	88,88,88,88	0
59	MG	DA	4991	1/1	0.85	0.15	123,123,123,123	0
59	MG	DA	3389	1/1	0.85	0.22	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3467	1/1	0.85	0.22	55,55,55,55	0
59	MG	CA	1730	1/1	0.85	0.09	38,38,38,38	0
59	MG	AA	3473	1/1	0.85	0.19	63,63,63,63	0
59	MG	BA	1923	1/1	0.85	0.34	81,81,81,81	0
59	MG	DA	3399	1/1	0.85	0.16	52,52,52,52	0
59	MG	CA	1955	1/1	0.85	0.09	58,58,58,58	0
59	MG	AA	3752	1/1	0.85	0.11	71,71,71,71	0
59	MG	DA	3407	1/1	0.85	0.29	70,70,70,70	0
59	MG	CA	1747	1/1	0.85	0.08	51,51,51,51	0
59	MG	BK	204	1/1	0.85	0.14	74,74,74,74	0
59	MG	DA	3909	1/1	0.85	0.16	69,69,69,69	0
59	MG	AA	3660	1/1	0.85	0.28	68,68,68,68	0
59	MG	AA	3754	1/1	0.85	0.18	73,73,73,73	0
59	MG	AA	3176	1/1	0.85	0.20	33,33,33,33	0
59	MG	CA	1969	1/1	0.85	0.32	85,85,85,85	0
59	MG	BA	2175	1/1	0.85	0.16	81,81,81,81	0
59	MG	AA	3665	1/1	0.85	0.28	80,80,80,80	0
59	MG	AF	307	1/1	0.85	0.14	63,63,63,63	0
59	MG	CA	2170	1/1	0.85	0.12	70,70,70,70	0
59	MG	DA	5049	1/1	0.85	0.21	80,80,80,80	0
59	MG	AA	3760	1/1	0.85	0.27	85,85,85,85	0
59	MG	CA	1766	1/1	0.85	0.18	59,59,59,59	0
59	MG	CA	2174	1/1	0.85	0.08	100,100,100,100	0
59	MG	DA	4587	1/1	0.85	0.24	71,71,71,71	0
59	MG	DA	4591	1/1	0.85	0.28	107,107,107,107	0
59	MG	AA	3180	1/1	0.85	0.14	62,62,62,62	0
59	MG	DA	3958	1/1	0.85	0.13	55,55,55,55	0
59	MG	DA	4598	1/1	0.85	0.14	71,71,71,71	0
59	MG	BA	1667	1/1	0.85	0.16	62,62,62,62	0
59	MG	DA	4601	1/1	0.85	0.17	88,88,88,88	0
59	MG	DA	5072	1/1	0.85	0.11	58,58,58,58	0
59	MG	CA	2178	1/1	0.85	0.19	92,92,92,92	0
59	MG	CA	1778	1/1	0.85	0.24	69,69,69,69	0
59	MG	AA	3355	1/1	0.85	0.26	48,48,48,48	0
59	MG	BS	108	1/1	0.85	0.14	91,91,91,91	0
59	MG	BA	1670	1/1	0.85	0.10	50,50,50,50	0
59	MG	AA	3148	1/1	0.85	0.11	53,53,53,53	0
59	MG	AA	3404	1/1	0.85	0.41	77,77,77,77	0
59	MG	AA	3839	1/1	0.85	0.12	63,63,63,63	0
59	MG	BA	1966	1/1	0.85	0.10	82,82,82,82	0
59	MG	CA	2199	1/1	0.85	0.14	106,106,106,106	0
59	MG	AA	3494	1/1	0.85	0.15	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4031	1/1	0.85	0.19	79,79,79,79	0
59	MG	AA	3683	1/1	0.85	0.11	46,46,46,46	0
59	MG	AQ	201	1/1	0.85	0.08	56,56,56,56	0
59	MG	DA	4642	1/1	0.85	0.17	57,57,57,57	0
59	MG	AA	4062	1/1	0.85	0.17	81,81,81,81	0
59	MG	AA	3593	1/1	0.85	0.18	80,80,80,80	0
59	MG	AA	3220	1/1	0.85	0.23	70,70,70,70	0
59	MG	DA	4657	1/1	0.85	0.10	58,58,58,58	0
59	MG	CA	2213	1/1	0.85	0.10	84,84,84,84	0
59	MG	BA	1716	1/1	0.85	0.19	56,56,56,56	0
59	MG	DA	4042	1/1	0.85	0.28	71,71,71,71	0
59	MG	AA	3695	1/1	0.85	0.09	49,49,49,49	0
59	MG	DA	3571	1/1	0.85	0.27	93,93,93,93	0
59	MG	CA	1813	1/1	0.85	0.11	116,116,116,116	0
59	MG	AA	4142	1/1	0.85	0.37	104,104,104,104	0
59	MG	DA	4062	1/1	0.85	0.16	49,49,49,49	0
59	MG	DB	262	1/1	0.85	0.37	89,89,89,89	0
59	MG	BA	2102	1/1	0.85	0.13	85,85,85,85	0
59	MG	AA	3029	1/1	0.85	0.25	46,46,46,46	0
59	MG	CA	2227	1/1	0.85	0.31	78,78,78,78	0
59	MG	DB	267	1/1	0.85	0.17	73,73,73,73	0
59	MG	BA	1985	1/1	0.85	0.11	105,105,105,105	0
59	MG	AA	4144	1/1	0.85	0.15	100,100,100,100	0
59	MG	DA	4103	1/1	0.85	0.43	85,85,85,85	0
59	MG	AA	4146	1/1	0.85	0.28	90,90,90,90	0
59	MG	AA	4147	1/1	0.85	0.11	66,66,66,66	0
59	MG	DA	3592	1/1	0.85	0.20	81,81,81,81	0
59	MG	DA	4693	1/1	0.85	0.22	62,62,62,62	0
59	MG	AA	4071	1/1	0.85	0.15	70,70,70,70	0
59	MG	CA	2045	1/1	0.85	0.08	66,66,66,66	0
59	MG	BA	1737	1/1	0.85	0.21	59,59,59,59	0
59	MG	BA	1741	1/1	0.85	0.22	85,85,85,85	0
59	MG	DA	3614	1/1	0.85	0.16	53,53,53,53	0
59	MG	CC	101	1/1	0.85	0.15	41,41,41,41	0
59	MG	BB	103	1/1	0.85	0.09	77,77,77,77	0
59	MG	CC	106	1/1	0.85	0.15	60,60,60,60	0
59	MG	DA	3624	1/1	0.85	0.20	74,74,74,74	0
59	MG	AA	3705	1/1	0.85	0.29	87,87,87,87	0
59	MG	DH	205	1/1	0.85	0.17	77,77,77,77	0
59	MG	DA	3638	1/1	0.85	0.20	78,78,78,78	0
59	MG	BA	1853	1/1	0.85	0.24	103,103,103,103	0
59	MG	DA	4730	1/1	0.85	0.14	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4001	1/1	0.85	0.07	83,83,83,83	0
59	MG	AA	4077	1/1	0.85	0.20	67,67,67,67	0
59	MG	CC	127	1/1	0.85	0.25	89,89,89,89	0
59	MG	BA	2120	1/1	0.85	0.07	67,67,67,67	0
59	MG	AU	204	1/1	0.85	0.33	87,87,87,87	0
59	MG	AA	3235	1/1	0.85	0.19	48,48,48,48	0
59	MG	DA	3013	1/1	0.85	0.16	50,50,50,50	0
59	MG	DA	3662	1/1	0.85	0.19	73,73,73,73	0
59	MG	DA	3023	1/1	0.85	0.23	57,57,57,57	0
59	MG	A3	103	1/1	0.85	0.07	55,55,55,55	0
59	MG	D1	201	1/1	0.85	0.15	49,49,49,49	0
59	MG	D1	202	1/1	0.85	0.13	57,57,57,57	0
59	MG	DA	3108	1/1	0.85	0.24	76,76,76,76	0
59	MG	DA	3111	1/1	0.85	0.33	64,64,64,64	0
59	MG	D2	201	1/1	0.85	0.16	48,48,48,48	0
59	MG	DA	3113	1/1	0.85	0.23	73,73,73,73	0
59	MG	DS	204	1/1	0.85	0.36	75,75,75,75	0
59	MG	DA	4760	1/1	0.85	0.14	55,55,55,55	0
59	MG	BC	108	1/1	0.85	0.11	81,81,81,81	0
59	MG	DA	4273	1/1	0.85	0.25	74,74,74,74	0
59	MG	DA	4771	1/1	0.85	0.20	92,92,92,92	0
59	MG	AA	3856	1/1	0.85	0.35	86,86,86,86	0
59	MG	DA	4276	1/1	0.85	0.15	75,75,75,75	0
59	MG	BA	2245	1/1	0.85	0.21	71,71,71,71	0
59	MG	AA	4082	1/1	0.85	0.13	75,75,75,75	0
59	MG	BA	2021	1/1	0.85	0.22	84,84,84,84	0
59	MG	CA	2069	1/1	0.85	0.09	74,74,74,74	0
59	MG	DA	4294	1/1	0.85	0.08	83,83,83,83	0
59	MG	BA	2250	1/1	0.85	0.10	90,90,90,90	0
59	MG	DA	3146	1/1	0.85	0.18	55,55,55,55	0
59	MG	AA	3364	1/1	0.85	0.24	57,57,57,57	0
59	MG	AA	3024	1/1	0.85	0.20	61,61,61,61	0
59	MG	DA	3183	1/1	0.85	0.32	97,97,97,97	0
59	MG	CA	2273	1/1	0.85	0.10	65,65,65,65	0
59	MG	DA	3746	1/1	0.85	0.13	36,36,36,36	0
59	MG	DA	3751	1/1	0.85	0.12	97,97,97,97	0
59	MG	DA	4809	1/1	0.85	0.21	59,59,59,59	0
59	MG	BA	2256	1/1	0.85	0.22	76,76,76,76	0
59	MG	BA	1946	1/1	0.86	0.12	70,70,70,70	0
59	MG	DA	4793	1/1	0.86	0.25	86,86,86,86	0
59	MG	CA	1831	1/1	0.86	0.07	132,132,132,132	0
59	MG	DA	3115	1/1	0.86	0.16	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2249	1/1	0.86	0.16	68,68,68,68	0
59	MG	AA	3477	1/1	0.86	0.16	65,65,65,65	0
59	MG	AF	301	1/1	0.86	0.16	73,73,73,73	0
59	MG	DA	3727	1/1	0.86	0.21	49,49,49,49	0
59	MG	DA	4310	1/1	0.86	0.12	56,56,56,56	0
59	MG	AA	3478	1/1	0.86	0.17	59,59,59,59	0
59	MG	AA	3482	1/1	0.86	0.08	58,58,58,58	0
59	MG	DA	4325	1/1	0.86	0.12	45,45,45,45	0
59	MG	DA	4327	1/1	0.86	0.11	51,51,51,51	0
59	MG	AA	3375	1/1	0.86	0.31	61,61,61,61	0
59	MG	BD	123	1/1	0.86	0.21	82,82,82,82	0
59	MG	BA	2089	1/1	0.86	0.12	56,56,56,56	0
59	MG	AA	3439	1/1	0.86	0.13	71,71,71,71	0
59	MG	AA	3144	1/1	0.86	0.17	69,69,69,69	0
59	MG	BA	1819	1/1	0.86	0.15	61,61,61,61	0
59	MG	AA	4057	1/1	0.86	0.08	74,74,74,74	0
59	MG	AA	3912	1/1	0.86	0.41	91,91,91,91	0
59	MG	BA	1970	1/1	0.86	0.12	141,141,141,141	0
59	MG	BA	1688	1/1	0.86	0.33	61,61,61,61	0
59	MG	CA	2272	1/1	0.86	0.08	147,147,147,147	0
59	MG	BA	2227	1/1	0.86	0.23	72,72,72,72	0
59	MG	DA	4376	1/1	0.86	0.19	60,60,60,60	0
59	MG	CA	2276	1/1	0.86	0.13	69,69,69,69	0
59	MG	DA	4860	1/1	0.86	0.12	64,64,64,64	0
59	MG	DA	4862	1/1	0.86	0.11	66,66,66,66	0
59	MG	AA	3847	1/1	0.86	0.22	84,84,84,84	0
59	MG	AA	3989	1/1	0.86	0.23	74,74,74,74	0
59	MG	DA	3230	1/1	0.86	0.15	43,43,43,43	0
59	MG	BC	102	1/1	0.86	0.13	78,78,78,78	0
59	MG	CA	2078	1/1	0.86	0.15	75,75,75,75	0
59	MG	BA	2231	1/1	0.86	0.22	89,89,89,89	0
59	MG	BA	1704	1/1	0.86	0.17	67,67,67,67	0
59	MG	DA	4412	1/1	0.86	0.17	82,82,82,82	0
59	MG	DA	4413	1/1	0.86	0.23	65,65,65,65	0
59	MG	CA	2081	1/1	0.86	0.13	107,107,107,107	0
59	MG	CA	2082	1/1	0.86	0.14	63,63,63,63	0
59	MG	BA	1708	1/1	0.86	0.19	57,57,57,57	0
59	MG	AA	3914	1/1	0.86	0.22	78,78,78,78	0
59	MG	DA	4425	1/1	0.86	0.16	109,109,109,109	0
59	MG	DA	3267	1/1	0.86	0.25	72,72,72,72	0
59	MG	AA	3715	1/1	0.86	0.07	47,47,47,47	0
59	MG	AA	3637	1/1	0.86	0.20	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4067	1/1	0.86	0.19	86,86,86,86	0
59	MG	AQ	205	1/1	0.86	0.10	94,94,94,94	0
59	MG	AA	4068	1/1	0.86	0.11	58,58,58,58	0
59	MG	DA	4449	1/1	0.86	0.14	64,64,64,64	0
59	MG	CA	1882	1/1	0.86	0.19	55,55,55,55	0
59	MG	DA	4456	1/1	0.86	0.13	59,59,59,59	0
59	MG	AA	3146	1/1	0.86	0.22	78,78,78,78	0
59	MG	AA	3639	1/1	0.86	0.31	55,55,55,55	0
59	MG	AA	3642	1/1	0.86	0.19	56,56,56,56	0
59	MG	BA	1996	1/1	0.86	0.30	86,86,86,86	0
59	MG	AA	3217	1/1	0.86	0.35	57,57,57,57	0
59	MG	DA	3311	1/1	0.86	0.18	65,65,65,65	0
59	MG	CA	1632	1/1	0.86	0.27	65,65,65,65	0
59	MG	AA	3724	1/1	0.86	0.20	65,65,65,65	0
59	MG	DA	4483	1/1	0.86	0.15	64,64,64,64	0
59	MG	DA	4486	1/1	0.86	0.11	63,63,63,63	0
59	MG	AA	3357	1/1	0.86	0.40	91,91,91,91	0
59	MG	DA	3843	1/1	0.86	0.07	53,53,53,53	0
59	MG	BA	2259	1/1	0.86	0.17	101,101,101,101	0
59	MG	BA	2002	1/1	0.86	0.22	73,73,73,73	0
59	MG	DA	4954	1/1	0.86	0.09	73,73,73,73	0
59	MG	DA	4962	1/1	0.86	0.20	77,77,77,77	0
59	MG	DA	3851	1/1	0.86	0.14	72,72,72,72	0
59	MG	DA	4975	1/1	0.86	0.22	78,78,78,78	0
59	MG	CA	2316	1/1	0.86	0.15	75,75,75,75	0
59	MG	DA	4497	1/1	0.86	0.24	43,43,43,43	0
59	MG	DA	3856	1/1	0.86	0.14	70,70,70,70	0
59	MG	DA	3340	1/1	0.86	0.17	37,37,37,37	0
59	MG	AS	203	1/1	0.86	0.11	72,72,72,72	0
59	MG	AA	4078	1/1	0.86	0.23	82,82,82,82	0
59	MG	DA	3348	1/1	0.86	0.16	54,54,54,54	0
59	MG	DA	3864	1/1	0.86	0.09	69,69,69,69	0
59	MG	DA	4511	1/1	0.86	0.40	90,90,90,90	0
59	MG	CA	2322	1/1	0.86	0.20	88,88,88,88	0
59	MG	DA	5001	1/1	0.86	0.14	75,75,75,75	0
59	MG	AA	3931	1/1	0.86	0.20	86,86,86,86	0
59	MG	CA	1659	1/1	0.86	0.11	41,41,41,41	0
59	MG	DA	5007	1/1	0.86	0.16	82,82,82,82	0
59	MG	BA	2011	1/1	0.86	0.14	64,64,64,64	0
59	MG	CA	1917	1/1	0.86	0.13	64,64,64,64	0
59	MG	CA	2126	1/1	0.86	0.12	59,59,59,59	0
59	MG	DA	3377	1/1	0.86	0.24	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1661	1/1	0.86	0.25	59,59,59,59	0
59	MG	DA	3889	1/1	0.86	0.13	80,80,80,80	0
59	MG	BA	2267	1/1	0.86	0.28	91,91,91,91	0
59	MG	AA	3588	1/1	0.86	0.17	82,82,82,82	0
59	MG	BA	2017	1/1	0.86	0.34	85,85,85,85	0
59	MG	AA	3393	1/1	0.86	0.16	63,63,63,63	0
59	MG	DA	4544	1/1	0.86	0.23	76,76,76,76	0
59	MG	CA	2135	1/1	0.86	0.09	92,92,92,92	0
59	MG	BA	2019	1/1	0.86	0.20	80,80,80,80	0
59	MG	AA	3358	1/1	0.86	0.18	95,95,95,95	0
59	MG	AA	3065	1/1	0.86	0.14	60,60,60,60	0
59	MG	AA	3400	1/1	0.86	0.12	58,58,58,58	0
59	MG	DA	4558	1/1	0.86	0.20	86,86,86,86	0
59	MG	DA	3408	1/1	0.86	0.08	41,41,41,41	0
59	MG	CA	1699	1/1	0.86	0.07	40,40,40,40	0
59	MG	AA	3666	1/1	0.86	0.15	52,52,52,52	0
59	MG	CA	1704	1/1	0.86	0.17	46,46,46,46	0
59	MG	AA	4090	1/1	0.86	0.15	78,78,78,78	0
59	MG	AA	3199	1/1	0.86	0.27	75,75,75,75	0
59	MG	DA	3419	1/1	0.86	0.12	32,32,32,32	0
59	MG	BE	304	1/1	0.86	0.28	85,85,85,85	0
59	MG	CK	210	1/1	0.86	0.14	71,71,71,71	0
59	MG	CM	201	1/1	0.86	0.18	74,74,74,74	0
59	MG	BA	1761	1/1	0.86	0.15	58,58,58,58	0
59	MG	DA	3450	1/1	0.86	0.33	75,75,75,75	0
59	MG	DA	3451	1/1	0.86	0.15	76,76,76,76	0
59	MG	DA	3978	1/1	0.86	0.36	82,82,82,82	0
59	MG	A5	103	1/1	0.86	0.09	54,54,54,54	0
59	MG	BA	2151	1/1	0.86	0.20	81,81,81,81	0
59	MG	AA	4163	1/1	0.86	0.16	102,102,102,102	0
59	MG	BA	1765	1/1	0.86	0.10	82,82,82,82	0
59	MG	BA	2154	1/1	0.86	0.16	73,73,73,73	0
59	MG	DB	216	1/1	0.86	0.13	43,43,43,43	0
59	MG	DB	219	1/1	0.86	0.22	70,70,70,70	0
59	MG	DA	3997	1/1	0.86	0.15	57,57,57,57	0
59	MG	AA	4018	1/1	0.86	0.17	56,56,56,56	0
59	MG	DB	226	1/1	0.86	0.07	40,40,40,40	0
59	MG	AB	202	1/1	0.86	0.21	51,51,51,51	0
59	MG	DB	228	1/1	0.86	0.37	91,91,91,91	0
59	MG	CA	1732	1/1	0.86	0.15	48,48,48,48	0
59	MG	AA	3809	1/1	0.86	0.16	84,84,84,84	0
59	MG	BA	2037	1/1	0.86	0.14	132,132,132,132	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DB	235	1/1	0.86	0.23	65,65,65,65	0
59	MG	CA	1974	1/1	0.86	0.09	55,55,55,55	0
59	MG	AA	3172	1/1	0.86	0.22	67,67,67,67	0
59	MG	BA	1886	1/1	0.86	0.30	64,64,64,64	0
59	MG	DA	3498	1/1	0.86	0.16	44,44,44,44	0
59	MG	AA	3811	1/1	0.86	0.16	58,58,58,58	0
59	MG	DA	4644	1/1	0.86	0.08	64,64,64,64	0
59	MG	CA	1986	1/1	0.86	0.13	95,95,95,95	0
59	MG	DB	255	1/1	0.86	0.08	63,63,63,63	0
59	MG	DA	4036	1/1	0.86	0.09	55,55,55,55	0
59	MG	AA	3255	1/1	0.86	0.21	46,46,46,46	0
59	MG	BA	1615	1/1	0.86	0.20	81,81,81,81	0
59	MG	CD	114	1/1	0.86	0.23	79,79,79,79	0
59	MG	BK	205	1/1	0.86	0.09	86,86,86,86	0
59	MG	AA	3405	1/1	0.86	0.31	73,73,73,73	0
59	MG	CA	2189	1/1	0.86	0.16	77,77,77,77	0
59	MG	DA	4050	1/1	0.86	0.24	66,66,66,66	0
59	MG	CA	2191	1/1	0.86	0.14	99,99,99,99	0
59	MG	DA	4669	1/1	0.86	0.12	71,71,71,71	0
59	MG	AA	3606	1/1	0.86	0.10	97,97,97,97	0
59	MG	CD	122	1/1	0.86	0.29	84,84,84,84	0
59	MG	DA	4055	1/1	0.86	0.11	68,68,68,68	0
59	MG	DA	3544	1/1	0.86	0.15	51,51,51,51	0
59	MG	AB	220	1/1	0.86	0.07	79,79,79,79	0
59	MG	DA	4080	1/1	0.86	0.18	89,89,89,89	0
59	MG	DA	3570	1/1	0.86	0.35	71,71,71,71	0
59	MG	AA	3350	1/1	0.86	0.08	36,36,36,36	0
59	MG	AA	3685	1/1	0.86	0.25	65,65,65,65	0
59	MG	AA	3545	1/1	0.86	0.10	56,56,56,56	0
59	MG	AB	224	1/1	0.86	0.12	85,85,85,85	0
59	MG	BA	1916	1/1	0.86	0.10	56,56,56,56	0
59	MG	AA	3610	1/1	0.86	0.14	69,69,69,69	0
59	MG	CB	102	1/1	0.86	0.11	65,65,65,65	0
59	MG	AA	3285	1/1	0.86	0.12	62,62,62,62	0
59	MG	DA	4701	1/1	0.86	0.17	64,64,64,64	0
59	MG	BA	2177	1/1	0.86	0.16	67,67,67,67	0
59	MG	BS	109	1/1	0.86	0.08	110,110,110,110	0
59	MG	CA	2020	1/1	0.86	0.18	67,67,67,67	0
59	MG	CA	2021	1/1	0.86	0.12	63,63,63,63	0
59	MG	DA	4714	1/1	0.86	0.24	87,87,87,87	0
59	MG	DA	4140	1/1	0.86	0.16	47,47,47,47	0
59	MG	AA	3697	1/1	0.86	0.25	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4146	1/1	0.86	0.31	72,72,72,72	0
59	MG	DP	204	1/1	0.86	0.09	51,51,51,51	0
59	MG	DA	4148	1/1	0.86	0.31	63,63,63,63	0
59	MG	DA	4726	1/1	0.86	0.23	71,71,71,71	0
59	MG	D0	208	1/1	0.86	0.15	72,72,72,72	0
59	MG	CA	2219	1/1	0.86	0.13	57,57,57,57	0
59	MG	AA	3966	1/1	0.86	0.10	75,75,75,75	0
59	MG	CA	2025	1/1	0.86	0.21	95,95,95,95	0
59	MG	AA	3768	1/1	0.86	0.17	79,79,79,79	0
59	MG	BA	1924	1/1	0.86	0.33	78,78,78,78	0
59	MG	AB	230	1/1	0.86	0.07	76,76,76,76	0
59	MG	CA	2228	1/1	0.86	0.11	75,75,75,75	0
59	MG	D2	208	1/1	0.86	0.19	71,71,71,71	0
59	MG	CC	111	1/1	0.86	0.19	68,68,68,68	0
59	MG	DA	4186	1/1	0.86	0.12	45,45,45,45	0
59	MG	BD	101	1/1	0.86	0.32	86,86,86,86	0
59	MG	BA	2068	1/1	0.86	0.38	90,90,90,90	0
59	MG	DA	4210	1/1	0.86	0.09	53,53,53,53	0
59	MG	DT	107	1/1	0.86	0.22	73,73,73,73	0
59	MG	DA	4223	1/1	0.86	0.21	60,60,60,60	0
59	MG	BA	1796	1/1	0.86	0.32	77,77,77,77	0
59	MG	AA	3038	1/1	0.86	0.20	68,68,68,68	0
59	MG	DA	4755	1/1	0.86	0.08	80,80,80,80	0
59	MG	DA	4245	1/1	0.86	0.10	73,73,73,73	0
59	MG	CA	2234	1/1	0.86	0.12	81,81,81,81	0
59	MG	BA	1802	1/1	0.86	0.26	75,75,75,75	0
59	MG	AA	3833	1/1	0.86	0.15	80,80,80,80	0
59	MG	CA	2237	1/1	0.86	0.10	62,62,62,62	0
59	MG	AA	3701	1/1	0.86	0.15	55,55,55,55	0
59	MG	AD	312	1/1	0.86	0.33	79,79,79,79	0
59	MG	BA	1940	1/1	0.86	0.27	79,79,79,79	0
59	MG	DA	3085	1/1	0.86	0.25	43,43,43,43	0
59	MG	DZ	101	1/1	0.86	0.24	87,87,87,87	0
59	MG	DA	3099	1/1	0.86	0.19	48,48,48,48	0
59	MG	DA	3670	1/1	0.86	0.07	78,78,78,78	0
59	MG	D4	101	1/1	0.86	0.23	96,96,96,96	0
59	MG	DA	3674	1/1	0.86	0.09	62,62,62,62	0
59	MG	DA	3104	1/1	0.86	0.08	42,42,42,42	0
59	MG	D8	103	1/1	0.86	0.18	76,76,76,76	0
59	MG	AA	4045	1/1	0.86	0.16	57,57,57,57	0
59	MG	DA	3160	1/1	0.87	0.22	48,48,48,48	0
59	MG	CA	1792	1/1	0.87	0.10	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2143	1/1	0.87	0.12	57,57,57,57	0
59	MG	DA	4895	1/1	0.87	0.14	77,77,77,77	0
59	MG	DA	3181	1/1	0.87	0.19	40,40,40,40	0
59	MG	DA	4897	1/1	0.87	0.21	76,76,76,76	0
59	MG	CA	1978	1/1	0.87	0.07	93,93,93,93	0
59	MG	BA	1795	1/1	0.87	0.26	67,67,67,67	0
59	MG	DA	3188	1/1	0.87	0.23	60,60,60,60	0
59	MG	DA	3626	1/1	0.87	0.18	84,84,84,84	0
59	MG	DA	4909	1/1	0.87	0.20	70,70,70,70	0
59	MG	BA	1880	1/1	0.87	0.10	60,60,60,60	0
59	MG	DA	4040	1/1	0.87	0.15	59,59,59,59	0
59	MG	DA	4917	1/1	0.87	0.19	61,61,61,61	0
59	MG	A7	102	1/1	0.87	0.14	59,59,59,59	0
59	MG	BA	1888	1/1	0.87	0.17	67,67,67,67	0
59	MG	DA	4044	1/1	0.87	0.08	107,107,107,107	0
59	MG	AA	4102	1/1	0.87	0.32	90,90,90,90	0
59	MG	DA	3645	1/1	0.87	0.12	61,61,61,61	0
59	MG	AA	4104	1/1	0.87	0.16	71,71,71,71	0
59	MG	BA	1604	1/1	0.87	0.22	47,47,47,47	0
59	MG	DA	3203	1/1	0.87	0.34	59,59,59,59	0
59	MG	DA	3205	1/1	0.87	0.17	65,65,65,65	0
59	MG	DA	4059	1/1	0.87	0.18	103,103,103,103	0
59	MG	DA	4571	1/1	0.87	0.11	61,61,61,61	0
59	MG	CA	2320	1/1	0.87	0.14	81,81,81,81	0
59	MG	BA	1605	1/1	0.87	0.10	56,56,56,56	0
59	MG	DA	4950	1/1	0.87	0.30	125,125,125,125	0
59	MG	AA	3576	1/1	0.87	0.14	37,37,37,37	0
59	MG	CA	1806	1/1	0.87	0.20	98,98,98,98	0
59	MG	BA	1717	1/1	0.87	0.18	55,55,55,55	0
59	MG	DA	4960	1/1	0.87	0.25	77,77,77,77	0
59	MG	DA	4961	1/1	0.87	0.22	68,68,68,68	0
59	MG	CA	1817	1/1	0.87	0.16	85,85,85,85	0
59	MG	BA	2180	1/1	0.87	0.15	88,88,88,88	0
59	MG	DA	3672	1/1	0.87	0.24	76,76,76,76	0
59	MG	AA	3667	1/1	0.87	0.24	79,79,79,79	0
59	MG	DA	4982	1/1	0.87	0.13	53,53,53,53	0
59	MG	AA	3622	1/1	0.87	0.10	43,43,43,43	0
59	MG	CA	2009	1/1	0.87	0.12	61,61,61,61	0
59	MG	DA	3689	1/1	0.87	0.12	67,67,67,67	0
59	MG	AA	3806	1/1	0.87	0.11	79,79,79,79	0
59	MG	CA	1828	1/1	0.87	0.11	100,100,100,100	0
59	MG	DA	4127	1/1	0.87	0.18	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4607	1/1	0.87	0.10	64,64,64,64	0
59	MG	AA	3319	1/1	0.87	0.21	85,85,85,85	0
59	MG	DA	4613	1/1	0.87	0.10	64,64,64,64	0
59	MG	AK	201	1/1	0.87	0.22	64,64,64,64	0
59	MG	CG	308	1/1	0.87	0.17	100,100,100,100	0
59	MG	CA	2179	1/1	0.87	0.23	80,80,80,80	0
59	MG	CA	1614	1/1	0.87	0.17	41,41,41,41	0
59	MG	CA	2184	1/1	0.87	0.25	83,83,83,83	0
59	MG	AA	3480	1/1	0.87	0.20	70,70,70,70	0
59	MG	DA	5013	1/1	0.87	0.15	54,54,54,54	0
59	MG	DA	4630	1/1	0.87	0.27	89,89,89,89	0
59	MG	CA	1838	1/1	0.87	0.13	122,122,122,122	0
59	MG	CA	1625	1/1	0.87	0.20	68,68,68,68	0
59	MG	AA	3187	1/1	0.87	0.21	68,68,68,68	0
59	MG	DA	4161	1/1	0.87	0.29	61,61,61,61	0
59	MG	CA	1842	1/1	0.87	0.08	78,78,78,78	0
59	MG	BA	2024	1/1	0.87	0.11	111,111,111,111	0
59	MG	DA	5034	1/1	0.87	0.21	76,76,76,76	0
59	MG	CK	209	1/1	0.87	0.18	60,60,60,60	0
59	MG	DA	4182	1/1	0.87	0.28	82,82,82,82	0
59	MG	CA	1844	1/1	0.87	0.14	57,57,57,57	0
59	MG	BA	2193	1/1	0.87	0.28	76,76,76,76	0
59	MG	DA	4200	1/1	0.87	0.14	61,61,61,61	0
59	MG	DA	4660	1/1	0.87	0.13	73,73,73,73	0
59	MG	AA	3163	1/1	0.87	0.28	65,65,65,65	0
59	MG	BA	1738	1/1	0.87	0.19	59,59,59,59	0
59	MG	AA	3677	1/1	0.87	0.15	60,60,60,60	0
59	MG	BA	2201	1/1	0.87	0.18	85,85,85,85	0
59	MG	DA	4237	1/1	0.87	0.24	78,78,78,78	0
59	MG	DA	5061	1/1	0.87	0.28	71,71,71,71	0
59	MG	BA	2202	1/1	0.87	0.31	87,87,87,87	0
59	MG	AA	3812	1/1	0.87	0.14	83,83,83,83	0
59	MG	DA	3347	1/1	0.87	0.16	29,29,29,29	0
59	MG	DA	3768	1/1	0.87	0.16	77,77,77,77	0
59	MG	AA	3678	1/1	0.87	0.07	49,49,49,49	0
59	MG	BL	201	1/1	0.87	0.10	86,86,86,86	0
59	MG	CA	1668	1/1	0.87	0.14	88,88,88,88	0
59	MG	AA	4020	1/1	0.87	0.23	85,85,85,85	0
59	MG	CA	2216	1/1	0.87	0.11	89,89,89,89	0
59	MG	DA	3785	1/1	0.87	0.16	88,88,88,88	0
59	MG	BA	2119	1/1	0.87	0.07	67,67,67,67	0
59	MG	DA	4268	1/1	0.87	0.16	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1677	1/1	0.87	0.26	89,89,89,89	0
59	MG	BA	1752	1/1	0.87	0.18	48,48,48,48	0
59	MG	DA	3382	1/1	0.87	0.24	47,47,47,47	0
59	MG	DA	3799	1/1	0.87	0.13	83,83,83,83	0
59	MG	CD	107	1/1	0.87	0.11	57,57,57,57	0
59	MG	AA	3409	1/1	0.87	0.20	56,56,56,56	0
59	MG	DA	3805	1/1	0.87	0.18	66,66,66,66	0
59	MG	CA	2223	1/1	0.87	0.20	67,67,67,67	0
59	MG	BA	1639	1/1	0.87	0.22	72,72,72,72	0
59	MG	AA	3194	1/1	0.87	0.14	56,56,56,56	0
59	MG	BA	1937	1/1	0.87	0.30	71,71,71,71	0
59	MG	BA	2129	1/1	0.87	0.11	75,75,75,75	0
59	MG	CA	1871	1/1	0.87	0.13	98,98,98,98	0
59	MG	BA	2217	1/1	0.87	0.09	108,108,108,108	0
59	MG	DB	234	1/1	0.87	0.14	64,64,64,64	0
59	MG	CA	1700	1/1	0.87	0.10	39,39,39,39	0
59	MG	AB	212	1/1	0.87	0.10	83,83,83,83	0
59	MG	DB	240	1/1	0.87	0.28	84,84,84,84	0
59	MG	CA	1884	1/1	0.87	0.12	64,64,64,64	0
59	MG	AA	3239	1/1	0.87	0.14	51,51,51,51	0
59	MG	AA	3159	1/1	0.87	0.24	61,61,61,61	0
59	MG	BA	1945	1/1	0.87	0.06	56,56,56,56	0
59	MG	AA	3918	1/1	0.87	0.18	90,90,90,90	0
59	MG	BW	204	1/1	0.87	0.26	90,90,90,90	0
59	MG	DA	3423	1/1	0.87	0.12	58,58,58,58	0
59	MG	CA	1712	1/1	0.87	0.23	67,67,67,67	0
59	MG	DB	260	1/1	0.87	0.10	63,63,63,63	0
59	MG	DA	4741	1/1	0.87	0.11	62,62,62,62	0
59	MG	CA	2244	1/1	0.87	0.12	126,126,126,126	0
59	MG	AA	3784	1/1	0.87	0.27	64,64,64,64	0
59	MG	CB	103	1/1	0.87	0.14	53,53,53,53	0
59	MG	BW	206	1/1	0.87	0.07	56,56,56,56	0
59	MG	CA	1904	1/1	0.87	0.27	74,74,74,74	0
59	MG	DA	4374	1/1	0.87	0.28	77,77,77,77	0
59	MG	BA	1951	1/1	0.87	0.34	78,78,78,78	0
59	MG	DA	4759	1/1	0.87	0.33	91,91,91,91	0
59	MG	DA	4380	1/1	0.87	0.13	61,61,61,61	0
59	MG	DA	3453	1/1	0.87	0.17	56,56,56,56	0
59	MG	BA	2229	1/1	0.87	0.12	67,67,67,67	0
59	MG	DA	4386	1/1	0.87	0.09	49,49,49,49	0
59	MG	DE	308	1/1	0.87	0.25	83,83,83,83	0
59	MG	DE	309	1/1	0.87	0.24	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DE	311	1/1	0.87	0.14	42,42,42,42	0
59	MG	AA	3873	1/1	0.87	0.29	87,87,87,87	0
59	MG	CA	1726	1/1	0.87	0.18	48,48,48,48	0
59	MG	DF	313	1/1	0.87	0.18	68,68,68,68	0
59	MG	DA	3869	1/1	0.87	0.21	83,83,83,83	0
59	MG	DF	316	1/1	0.87	0.20	84,84,84,84	0
59	MG	DF	318	1/1	0.87	0.20	69,69,69,69	0
59	MG	DF	319	1/1	0.87	0.14	67,67,67,67	0
59	MG	AA	3502	1/1	0.87	0.21	55,55,55,55	0
59	MG	CA	1729	1/1	0.87	0.16	46,46,46,46	0
59	MG	AA	3397	1/1	0.87	0.25	56,56,56,56	0
59	MG	A2	201	1/1	0.87	0.16	66,66,66,66	0
59	MG	DA	3483	1/1	0.87	0.21	61,61,61,61	0
59	MG	CA	2258	1/1	0.87	0.16	75,75,75,75	0
59	MG	BD	107	1/1	0.87	0.07	71,71,71,71	0
59	MG	CA	1738	1/1	0.87	0.24	66,66,66,66	0
59	MG	AA	3288	1/1	0.87	0.12	51,51,51,51	0
59	MG	CA	1923	1/1	0.87	0.14	48,48,48,48	0
59	MG	CA	1744	1/1	0.87	0.17	55,55,55,55	0
59	MG	AA	3744	1/1	0.87	0.15	64,64,64,64	0
59	MG	DM	204	1/1	0.87	0.28	67,67,67,67	0
59	MG	DA	4801	1/1	0.87	0.12	54,54,54,54	0
59	MG	DA	4803	1/1	0.87	0.20	82,82,82,82	0
59	MG	DA	3905	1/1	0.87	0.17	61,61,61,61	0
59	MG	AA	3789	1/1	0.87	0.15	55,55,55,55	0
59	MG	DO	216	1/1	0.87	0.16	58,58,58,58	0
59	MG	DA	4810	1/1	0.87	0.14	62,62,62,62	0
59	MG	DA	4811	1/1	0.87	0.24	97,97,97,97	0
59	MG	CC	125	1/1	0.87	0.07	52,52,52,52	0
59	MG	DA	4813	1/1	0.87	0.23	78,78,78,78	0
59	MG	AA	3653	1/1	0.87	0.15	58,58,58,58	0
59	MG	DA	4815	1/1	0.87	0.14	53,53,53,53	0
59	MG	AA	3835	1/1	0.87	0.12	56,56,56,56	0
59	MG	DR	201	1/1	0.87	0.14	72,72,72,72	0
59	MG	CA	1752	1/1	0.87	0.15	53,53,53,53	0
59	MG	AA	3792	1/1	0.87	0.15	82,82,82,82	0
59	MG	AU	205	1/1	0.87	0.13	69,69,69,69	0
59	MG	DA	3924	1/1	0.87	0.13	48,48,48,48	0
59	MG	DA	3530	1/1	0.87	0.15	73,73,73,73	0
59	MG	AA	3885	1/1	0.87	0.08	51,51,51,51	0
59	MG	D2	210	1/1	0.87	0.31	98,98,98,98	0
59	MG	AA	3005	1/1	0.87	0.12	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	1680	1/1	0.87	0.12	55,55,55,55	0
59	MG	DA	3543	1/1	0.87	0.22	62,62,62,62	0
59	MG	CA	1945	1/1	0.87	0.23	78,78,78,78	0
59	MG	AA	3245	1/1	0.87	0.16	69,69,69,69	0
59	MG	DA	4840	1/1	0.87	0.25	111,111,111,111	0
59	MG	DA	4485	1/1	0.87	0.09	138,138,138,138	0
59	MG	DA	3552	1/1	0.87	0.11	45,45,45,45	0
59	MG	BA	1979	1/1	0.87	0.12	73,73,73,73	0
59	MG	BA	1981	1/1	0.87	0.09	68,68,68,68	0
59	MG	DA	4853	1/1	0.87	0.19	80,80,80,80	0
59	MG	CA	1772	1/1	0.87	0.20	62,62,62,62	0
59	MG	BA	1690	1/1	0.87	0.10	66,66,66,66	0
59	MG	AA	3566	1/1	0.87	0.10	65,65,65,65	0
59	MG	AZ	103	1/1	0.87	0.12	75,75,75,75	0
59	MG	DA	4496	1/1	0.87	0.18	81,81,81,81	0
59	MG	DA	3982	1/1	0.87	0.13	106,106,106,106	0
59	MG	AA	3374	1/1	0.87	0.10	46,46,46,46	0
59	MG	DA	3124	1/1	0.87	0.14	36,36,36,36	0
59	MG	DA	3995	1/1	0.87	0.19	71,71,71,71	0
59	MG	BA	1705	1/1	0.87	0.25	52,52,52,52	0
59	MG	BA	1791	1/1	0.87	0.13	55,55,55,55	0
59	MG	AA	3156	1/1	0.87	0.26	55,55,55,55	0
59	MG	D6	101	1/1	0.87	0.17	63,63,63,63	0
59	MG	BA	1793	1/1	0.87	0.08	57,57,57,57	0
59	MG	D7	101	1/1	0.87	0.24	52,52,52,52	0
59	MG	CA	1972	1/1	0.87	0.22	68,68,68,68	0
59	MG	DA	3602	1/1	0.87	0.25	61,61,61,61	0
59	MG	DA	3157	1/1	0.87	0.32	58,58,58,58	0
59	MG	BQ	103	1/1	0.88	0.08	69,69,69,69	0
59	MG	DA	3898	1/1	0.88	0.09	130,130,130,130	0
59	MG	BA	2200	1/1	0.88	0.10	102,102,102,102	0
59	MG	BA	2103	1/1	0.88	0.18	80,80,80,80	0
59	MG	BA	1998	1/1	0.88	0.11	76,76,76,76	0
59	MG	CA	1893	1/1	0.88	0.10	54,54,54,54	0
59	MG	AA	4031	1/1	0.88	0.25	84,84,84,84	0
59	MG	DA	4891	1/1	0.88	0.18	86,86,86,86	0
59	MG	BA	2204	1/1	0.88	0.14	70,70,70,70	0
59	MG	DA	4893	1/1	0.88	0.24	99,99,99,99	0
59	MG	CA	1899	1/1	0.88	0.13	49,49,49,49	0
59	MG	AA	3339	1/1	0.88	0.13	50,50,50,50	0
59	MG	AA	3488	1/1	0.88	0.08	68,68,68,68	0
59	MG	DA	4900	1/1	0.88	0.25	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3197	1/1	0.88	0.15	50,50,50,50	0
59	MG	DA	4902	1/1	0.88	0.14	82,82,82,82	0
59	MG	DA	3919	1/1	0.88	0.11	76,76,76,76	0
59	MG	DA	3922	1/1	0.88	0.16	69,69,69,69	0
59	MG	DA	3501	1/1	0.88	0.14	51,51,51,51	0
59	MG	BA	1887	1/1	0.88	0.12	56,56,56,56	0
59	MG	BW	202	1/1	0.88	0.10	73,73,73,73	0
59	MG	CC	115	1/1	0.88	0.16	69,69,69,69	0
59	MG	DA	3945	1/1	0.88	0.06	58,58,58,58	0
59	MG	BA	2211	1/1	0.88	0.11	78,78,78,78	0
59	MG	CC	119	1/1	0.88	0.10	46,46,46,46	0
59	MG	CA	1910	1/1	0.88	0.15	54,54,54,54	0
59	MG	AA	3444	1/1	0.88	0.30	81,81,81,81	0
59	MG	DA	3953	1/1	0.88	0.15	84,84,84,84	0
59	MG	DA	3529	1/1	0.88	0.26	84,84,84,84	0
59	MG	BA	2010	1/1	0.88	0.09	61,61,61,61	0
59	MG	CA	2094	1/1	0.88	0.28	87,87,87,87	0
59	MG	DA	4513	1/1	0.88	0.15	75,75,75,75	0
59	MG	DA	3962	1/1	0.88	0.11	81,81,81,81	0
59	MG	DA	4945	1/1	0.88	0.28	78,78,78,78	0
59	MG	DA	3974	1/1	0.88	0.28	61,61,61,61	0
59	MG	DA	3975	1/1	0.88	0.12	50,50,50,50	0
59	MG	C1	104	1/1	0.88	0.08	71,71,71,71	0
59	MG	AA	3198	1/1	0.88	0.14	34,34,34,34	0
59	MG	BA	1891	1/1	0.88	0.09	60,60,60,60	0
59	MG	BX	101	1/1	0.88	0.24	74,74,74,74	0
59	MG	DA	3549	1/1	0.88	0.11	40,40,40,40	0
59	MG	DA	4957	1/1	0.88	0.16	86,86,86,86	0
59	MG	BA	1892	1/1	0.88	0.08	75,75,75,75	0
59	MG	AA	3171	1/1	0.88	0.17	50,50,50,50	0
59	MG	DA	3562	1/1	0.88	0.20	73,73,73,73	0
59	MG	DA	4964	1/1	0.88	0.16	73,73,73,73	0
59	MG	DA	3060	1/1	0.88	0.16	19,19,19,19	0
59	MG	BA	2118	1/1	0.88	0.25	83,83,83,83	0
59	MG	CA	2106	1/1	0.88	0.09	83,83,83,83	0
59	MG	DA	4005	1/1	0.88	0.25	84,84,84,84	0
59	MG	DA	3103	1/1	0.88	0.24	49,49,49,49	0
59	MG	CA	2275	1/1	0.88	0.13	42,42,42,42	0
59	MG	DA	4008	1/1	0.88	0.14	49,49,49,49	0
59	MG	AA	3721	1/1	0.88	0.13	82,82,82,82	0
59	MG	DA	4010	1/1	0.88	0.10	91,91,91,91	0
59	MG	BA	1676	1/1	0.88	0.12	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3311	1/1	0.88	0.27	49,49,49,49	0
59	MG	AA	3659	1/1	0.88	0.12	67,67,67,67	0
59	MG	DA	3581	1/1	0.88	0.16	91,91,91,91	0
59	MG	BA	2125	1/1	0.88	0.07	65,65,65,65	0
59	MG	AT	102	1/1	0.88	0.09	57,57,57,57	0
59	MG	CA	2117	1/1	0.88	0.18	84,84,84,84	0
59	MG	DA	5005	1/1	0.88	0.17	75,75,75,75	0
59	MG	AB	211	1/1	0.88	0.34	77,77,77,77	0
59	MG	DA	4585	1/1	0.88	0.14	76,76,76,76	0
59	MG	CA	1756	1/1	0.88	0.14	53,53,53,53	0
59	MG	DA	3604	1/1	0.88	0.13	57,57,57,57	0
59	MG	DA	3606	1/1	0.88	0.22	88,88,88,88	0
59	MG	BA	1696	1/1	0.88	0.13	73,73,73,73	0
59	MG	BA	1800	1/1	0.88	0.17	66,66,66,66	0
59	MG	DA	3141	1/1	0.88	0.10	42,42,42,42	0
59	MG	DA	4045	1/1	0.88	0.08	134,134,134,134	0
59	MG	AT	104	1/1	0.88	0.30	89,89,89,89	0
59	MG	CA	1764	1/1	0.88	0.08	48,48,48,48	0
59	MG	DA	5033	1/1	0.88	0.16	75,75,75,75	0
59	MG	DA	4051	1/1	0.88	0.09	94,94,94,94	0
59	MG	DA	3154	1/1	0.88	0.23	46,46,46,46	0
59	MG	DA	5039	1/1	0.88	0.27	75,75,75,75	0
59	MG	DA	3620	1/1	0.88	0.18	58,58,58,58	0
59	MG	AA	3054	1/1	0.88	0.12	44,44,44,44	0
59	MG	DA	5047	1/1	0.88	0.31	79,79,79,79	0
59	MG	DA	3623	1/1	0.88	0.23	89,89,89,89	0
59	MG	AA	3272	1/1	0.88	0.18	54,54,54,54	0
59	MG	AA	3077	1/1	0.88	0.08	63,63,63,63	0
59	MG	CA	1948	1/1	0.88	0.11	97,97,97,97	0
59	MG	CA	1949	1/1	0.88	0.11	60,60,60,60	0
59	MG	DA	3639	1/1	0.88	0.15	66,66,66,66	0
59	MG	CA	2131	1/1	0.88	0.16	61,61,61,61	0
59	MG	DA	4093	1/1	0.88	0.24	85,85,85,85	0
59	MG	CA	1952	1/1	0.88	0.07	94,94,94,94	0
59	MG	DA	5065	1/1	0.88	0.20	89,89,89,89	0
59	MG	CA	1770	1/1	0.88	0.14	56,56,56,56	0
59	MG	BA	1706	1/1	0.88	0.18	52,52,52,52	0
59	MG	AA	3386	1/1	0.88	0.12	51,51,51,51	0
59	MG	BA	1709	1/1	0.88	0.24	53,53,53,53	0
59	MG	BA	2142	1/1	0.88	0.10	84,84,84,84	0
59	MG	AA	3527	1/1	0.88	0.08	34,34,34,34	0
59	MG	AA	3737	1/1	0.88	0.11	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3991	1/1	0.88	0.14	73,73,73,73	0
59	MG	DB	201	1/1	0.88	0.22	25,25,25,25	0
59	MG	CA	2144	1/1	0.88	0.08	61,61,61,61	0
59	MG	AA	4056	1/1	0.88	0.12	74,74,74,74	0
59	MG	DA	3207	1/1	0.88	0.22	45,45,45,45	0
59	MG	DA	4136	1/1	0.88	0.20	47,47,47,47	0
59	MG	BB	107	1/1	0.88	0.11	83,83,83,83	0
59	MG	DA	3219	1/1	0.88	0.14	48,48,48,48	0
59	MG	DA	3673	1/1	0.88	0.09	61,61,61,61	0
59	MG	AA	3282	1/1	0.88	0.07	64,64,64,64	0
59	MG	CA	2323	1/1	0.88	0.28	88,88,88,88	0
59	MG	DB	217	1/1	0.88	0.17	46,46,46,46	0
59	MG	AA	3048	1/1	0.88	0.12	41,41,41,41	0
59	MG	DA	4675	1/1	0.88	0.23	73,73,73,73	0
59	MG	DB	224	1/1	0.88	0.09	51,51,51,51	0
59	MG	DA	3680	1/1	0.88	0.12	76,76,76,76	0
59	MG	AA	3605	1/1	0.88	0.16	66,66,66,66	0
59	MG	CA	2152	1/1	0.88	0.25	42,42,42,42	0
59	MG	CA	1976	1/1	0.88	0.15	88,88,88,88	0
59	MG	DA	4174	1/1	0.88	0.16	49,49,49,49	0
59	MG	DA	4176	1/1	0.88	0.18	53,53,53,53	0
59	MG	DA	4687	1/1	0.88	0.15	76,76,76,76	0
59	MG	AW	102	1/1	0.88	0.09	56,56,56,56	0
59	MG	AA	4123	1/1	0.88	0.05	55,55,55,55	0
59	MG	DA	3715	1/1	0.88	0.16	75,75,75,75	0
59	MG	BA	1943	1/1	0.88	0.10	72,72,72,72	0
59	MG	DA	3266	1/1	0.88	0.12	57,57,57,57	0
59	MG	DB	245	1/1	0.88	0.17	59,59,59,59	0
59	MG	BC	105	1/1	0.88	0.07	75,75,75,75	0
59	MG	AA	3096	1/1	0.88	0.15	67,67,67,67	0
59	MG	AA	3928	1/1	0.88	0.16	71,71,71,71	0
59	MG	CA	1801	1/1	0.88	0.11	44,44,44,44	0
59	MG	DA	3737	1/1	0.88	0.09	36,36,36,36	0
59	MG	DA	4231	1/1	0.88	0.20	42,42,42,42	0
59	MG	DA	3277	1/1	0.88	0.34	67,67,67,67	0
59	MG	AA	3746	1/1	0.88	0.10	66,66,66,66	0
59	MG	AA	3215	1/1	0.88	0.14	72,72,72,72	0
59	MG	DA	4717	1/1	0.88	0.28	80,80,80,80	0
59	MG	AB	231	1/1	0.88	0.21	94,94,94,94	0
59	MG	DA	3750	1/1	0.88	0.48	101,101,101,101	0
59	MG	AA	3471	1/1	0.88	0.17	77,77,77,77	0
59	MG	CG	311	1/1	0.88	0.20	150,150,150,150	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4253	1/1	0.88	0.10	62,62,62,62	0
59	MG	CA	2173	1/1	0.88	0.06	71,71,71,71	0
59	MG	AA	3189	1/1	0.88	0.13	52,52,52,52	0
59	MG	CI	201	1/1	0.88	0.07	56,56,56,56	0
59	MG	AB	235	1/1	0.88	0.09	81,81,81,81	0
59	MG	DA	3312	1/1	0.88	0.26	49,49,49,49	0
59	MG	DA	3764	1/1	0.88	0.22	98,98,98,98	0
59	MG	DA	3313	1/1	0.88	0.19	48,48,48,48	0
59	MG	CK	201	1/1	0.88	0.15	102,102,102,102	0
59	MG	AA	3546	1/1	0.88	0.10	52,52,52,52	0
59	MG	DA	4277	1/1	0.88	0.33	66,66,66,66	0
59	MG	AD	304	1/1	0.88	0.15	65,65,65,65	0
59	MG	DA	4745	1/1	0.88	0.13	53,53,53,53	0
59	MG	DA	4284	1/1	0.88	0.14	52,52,52,52	0
59	MG	DA	3325	1/1	0.88	0.11	62,62,62,62	0
59	MG	BA	1964	1/1	0.88	0.31	78,78,78,78	0
59	MG	AA	3254	1/1	0.88	0.15	76,76,76,76	0
59	MG	DA	3334	1/1	0.88	0.18	40,40,40,40	0
59	MG	DA	4757	1/1	0.88	0.09	46,46,46,46	0
59	MG	CA	2181	1/1	0.88	0.10	73,73,73,73	0
59	MG	AA	3757	1/1	0.88	0.14	56,56,56,56	0
59	MG	DA	3343	1/1	0.88	0.27	58,58,58,58	0
59	MG	AA	3687	1/1	0.88	0.08	43,43,43,43	0
59	MG	CA	2016	1/1	0.88	0.32	80,80,80,80	0
59	MG	DA	4313	1/1	0.88	0.15	56,56,56,56	0
59	MG	DA	4315	1/1	0.88	0.06	67,67,67,67	0
59	MG	AA	4074	1/1	0.88	0.35	94,94,94,94	0
59	MG	BA	2072	1/1	0.88	0.14	72,72,72,72	0
59	MG	AA	3067	1/1	0.88	0.17	37,37,37,37	0
59	MG	CA	2192	1/1	0.88	0.09	60,60,60,60	0
59	MG	DA	4328	1/1	0.88	0.18	59,59,59,59	0
59	MG	DN	201	1/1	0.88	0.25	50,50,50,50	0
59	MG	DO	202	1/1	0.88	0.14	35,35,35,35	0
59	MG	DA	4329	1/1	0.88	0.24	63,63,63,63	0
59	MG	DA	3356	1/1	0.88	0.15	58,58,58,58	0
59	MG	BA	1758	1/1	0.88	0.18	54,54,54,54	0
59	MG	AA	3045	1/1	0.88	0.27	51,51,51,51	0
59	MG	DA	4339	1/1	0.88	0.11	71,71,71,71	0
59	MG	DA	4341	1/1	0.88	0.09	59,59,59,59	0
59	MG	AA	3362	1/1	0.88	0.06	62,62,62,62	0
59	MG	CT	203	1/1	0.88	0.09	54,54,54,54	0
59	MG	AA	3434	1/1	0.88	0.11	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3124	1/1	0.88	0.28	71,71,71,71	0
59	MG	DA	4354	1/1	0.88	0.21	65,65,65,65	0
59	MG	AA	3561	1/1	0.88	0.09	45,45,45,45	0
59	MG	CA	1654	1/1	0.88	0.21	48,48,48,48	0
59	MG	AA	3563	1/1	0.88	0.20	67,67,67,67	0
59	MG	CD	105	1/1	0.88	0.22	62,62,62,62	0
59	MG	AA	3635	1/1	0.88	0.13	54,54,54,54	0
59	MG	CA	2209	1/1	0.88	0.11	68,68,68,68	0
59	MG	BA	2086	1/1	0.88	0.16	83,83,83,83	0
59	MG	BH	204	1/1	0.88	0.11	72,72,72,72	0
59	MG	DA	3842	1/1	0.88	0.08	54,54,54,54	0
59	MG	CA	1666	1/1	0.88	0.27	60,60,60,60	0
59	MG	CA	2037	1/1	0.88	0.22	75,75,75,75	0
59	MG	DT	101	1/1	0.88	0.14	54,54,54,54	0
59	MG	DT	102	1/1	0.88	0.17	60,60,60,60	0
59	MG	AA	3636	1/1	0.88	0.10	48,48,48,48	0
59	MG	CA	1672	1/1	0.88	0.21	57,57,57,57	0
59	MG	DA	3852	1/1	0.88	0.10	55,55,55,55	0
59	MG	DA	4401	1/1	0.88	0.38	87,87,87,87	0
59	MG	AO	204	1/1	0.88	0.09	43,43,43,43	0
59	MG	CA	1858	1/1	0.88	0.18	73,73,73,73	0
59	MG	AA	3484	1/1	0.88	0.10	66,66,66,66	0
59	MG	AP	201	1/1	0.88	0.11	95,95,95,95	0
59	MG	BA	1648	1/1	0.88	0.13	50,50,50,50	0
59	MG	BA	1650	1/1	0.88	0.07	52,52,52,52	0
59	MG	CA	1863	1/1	0.88	0.16	66,66,66,66	0
59	MG	DU	219	1/1	0.88	0.07	72,72,72,72	0
59	MG	BA	1992	1/1	0.88	0.06	95,95,95,95	0
59	MG	AA	3892	1/1	0.88	0.27	84,84,84,84	0
59	MG	BM	202	1/1	0.88	0.22	81,81,81,81	0
59	MG	DV	304	1/1	0.88	0.19	77,77,77,77	0
59	MG	DA	4430	1/1	0.88	0.09	83,83,83,83	0
59	MG	CA	1697	1/1	0.88	0.20	44,44,44,44	0
59	MG	AA	3265	1/1	0.88	0.10	71,71,71,71	0
59	MG	CA	2233	1/1	0.88	0.14	60,60,60,60	0
59	MG	DX	101	1/1	0.88	0.07	59,59,59,59	0
59	MG	AA	4092	1/1	0.88	0.12	90,90,90,90	0
59	MG	CB	104	1/1	0.88	0.10	51,51,51,51	0
59	MG	D5	105	1/1	0.88	0.13	63,63,63,63	0
59	MG	AA	3836	1/1	0.88	0.19	62,62,62,62	0
59	MG	DA	3460	1/1	0.88	0.07	46,46,46,46	0
59	MG	CA	1878	1/1	0.88	0.07	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4455	1/1	0.88	0.11	45,45,45,45	0
59	MG	DA	4876	1/1	0.88	0.16	61,61,61,61	0
59	MG	BQ	102	1/1	0.88	0.09	63,63,63,63	0
60	ZN	D4	103	1/1	0.88	0.33	200,200,200,200	0
59	MG	DA	4903	1/1	0.89	0.18	69,69,69,69	0
59	MG	CA	2003	1/1	0.89	0.19	77,77,77,77	0
59	MG	DA	3208	1/1	0.89	0.28	72,72,72,72	0
59	MG	DA	3211	1/1	0.89	0.22	43,43,43,43	0
59	MG	DA	3640	1/1	0.89	0.12	54,54,54,54	0
59	MG	CA	1832	1/1	0.89	0.08	115,115,115,115	0
59	MG	AA	3937	1/1	0.89	0.22	67,67,67,67	0
59	MG	CA	1615	1/1	0.89	0.15	60,60,60,60	0
59	MG	AA	3865	1/1	0.89	0.11	62,62,62,62	0
59	MG	AA	3625	1/1	0.89	0.17	64,64,64,64	0
59	MG	AA	3229	1/1	0.89	0.22	56,56,56,56	0
59	MG	DA	3247	1/1	0.89	0.16	72,72,72,72	0
59	MG	BA	2168	1/1	0.89	0.07	73,73,73,73	0
59	MG	AA	3680	1/1	0.89	0.20	71,71,71,71	0
59	MG	DA	4929	1/1	0.89	0.14	52,52,52,52	0
59	MG	DA	3659	1/1	0.89	0.14	61,61,61,61	0
59	MG	BA	1952	1/1	0.89	0.19	70,70,70,70	0
59	MG	CA	2182	1/1	0.89	0.22	78,78,78,78	0
59	MG	CA	2018	1/1	0.89	0.12	106,106,106,106	0
59	MG	AA	3332	1/1	0.89	0.11	83,83,83,83	0
59	MG	BA	1955	1/1	0.89	0.22	74,74,74,74	0
59	MG	DA	4066	1/1	0.89	0.08	59,59,59,59	0
59	MG	DA	4068	1/1	0.89	0.09	50,50,50,50	0
59	MG	BA	1722	1/1	0.89	0.21	54,54,54,54	0
59	MG	AA	3415	1/1	0.89	0.08	63,63,63,63	0
59	MG	DA	4081	1/1	0.89	0.12	67,67,67,67	0
59	MG	DA	4568	1/1	0.89	0.14	55,55,55,55	0
59	MG	DA	4955	1/1	0.89	0.17	82,82,82,82	0
59	MG	DA	4956	1/1	0.89	0.22	118,118,118,118	0
59	MG	AA	3571	1/1	0.89	0.32	57,57,57,57	0
59	MG	DA	4958	1/1	0.89	0.13	64,64,64,64	0
59	MG	CA	1849	1/1	0.89	0.26	75,75,75,75	0
59	MG	AA	3690	1/1	0.89	0.19	64,64,64,64	0
59	MG	DA	4574	1/1	0.89	0.27	73,73,73,73	0
59	MG	AA	3633	1/1	0.89	0.15	41,41,41,41	0
59	MG	DA	4966	1/1	0.89	0.13	64,64,64,64	0
59	MG	DA	4099	1/1	0.89	0.13	55,55,55,55	0
59	MG	DA	3681	1/1	0.89	0.05	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3068	1/1	0.89	0.10	40,40,40,40	0
59	MG	DA	4979	1/1	0.89	0.13	47,47,47,47	0
59	MG	CM	203	1/1	0.89	0.11	89,89,89,89	0
59	MG	AA	3955	1/1	0.89	0.10	66,66,66,66	0
59	MG	BH	205	1/1	0.89	0.15	78,78,78,78	0
59	MG	DA	4986	1/1	0.89	0.09	63,63,63,63	0
59	MG	DA	4989	1/1	0.89	0.14	66,66,66,66	0
59	MG	BA	2080	1/1	0.89	0.09	61,61,61,61	0
59	MG	DA	4597	1/1	0.89	0.10	59,59,59,59	0
59	MG	DA	3299	1/1	0.89	0.07	33,33,33,33	0
59	MG	AA	3693	1/1	0.89	0.12	52,52,52,52	0
59	MG	DA	4995	1/1	0.89	0.07	121,121,121,121	0
59	MG	AA	3110	1/1	0.89	0.23	59,59,59,59	0
59	MG	BA	1742	1/1	0.89	0.16	46,46,46,46	0
59	MG	BA	2185	1/1	0.89	0.28	81,81,81,81	0
59	MG	BA	1744	1/1	0.89	0.17	54,54,54,54	0
59	MG	DA	4605	1/1	0.89	0.25	70,70,70,70	0
59	MG	CV	102	1/1	0.89	0.16	63,63,63,63	0
59	MG	AA	3074	1/1	0.89	0.23	51,51,51,51	0
59	MG	DA	4612	1/1	0.89	0.28	79,79,79,79	0
59	MG	CA	1692	1/1	0.89	0.10	51,51,51,51	0
59	MG	AA	3818	1/1	0.89	0.30	80,80,80,80	0
59	MG	DA	3332	1/1	0.89	0.33	82,82,82,82	0
59	MG	DA	5014	1/1	0.89	0.12	64,64,64,64	0
59	MG	AA	3370	1/1	0.89	0.23	64,64,64,64	0
59	MG	CD	103	1/1	0.89	0.26	75,75,75,75	0
59	MG	AA	3962	1/1	0.89	0.09	57,57,57,57	0
59	MG	AA	3963	1/1	0.89	0.17	62,62,62,62	0
59	MG	DA	4165	1/1	0.89	0.06	35,35,35,35	0
59	MG	DA	4634	1/1	0.89	0.33	82,82,82,82	0
59	MG	DA	4166	1/1	0.89	0.09	41,41,41,41	0
59	MG	BA	2195	1/1	0.89	0.10	67,67,67,67	0
59	MG	DA	4638	1/1	0.89	0.08	56,56,56,56	0
59	MG	BA	1855	1/1	0.89	0.18	76,76,76,76	0
59	MG	CA	2222	1/1	0.89	0.20	72,72,72,72	0
59	MG	CD	109	1/1	0.89	0.06	70,70,70,70	0
59	MG	DA	5044	1/1	0.89	0.36	93,93,93,93	0
59	MG	DA	3761	1/1	0.89	0.12	90,90,90,90	0
59	MG	DA	4646	1/1	0.89	0.24	69,69,69,69	0
59	MG	AA	3541	1/1	0.89	0.08	49,49,49,49	0
59	MG	CA	1703	1/1	0.89	0.09	49,49,49,49	0
59	MG	DA	4652	1/1	0.89	0.11	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AD	303	1/1	0.89	0.15	62,62,62,62	0
59	MG	DA	4656	1/1	0.89	0.20	71,71,71,71	0
59	MG	DA	4188	1/1	0.89	0.09	39,39,39,39	0
59	MG	AA	3704	1/1	0.89	0.11	59,59,59,59	0
59	MG	DA	5059	1/1	0.89	0.11	66,66,66,66	0
59	MG	AA	3640	1/1	0.89	0.17	45,45,45,45	0
59	MG	DA	4202	1/1	0.89	0.34	69,69,69,69	0
59	MG	DA	4207	1/1	0.89	0.25	84,84,84,84	0
59	MG	CD	116	1/1	0.89	0.10	78,78,78,78	0
59	MG	CA	1889	1/1	0.89	0.07	59,59,59,59	0
59	MG	DA	4218	1/1	0.89	0.07	51,51,51,51	0
59	MG	DA	3372	1/1	0.89	0.14	54,54,54,54	0
59	MG	DA	3373	1/1	0.89	0.20	40,40,40,40	0
59	MG	BA	2100	1/1	0.89	0.12	69,69,69,69	0
59	MG	CA	1891	1/1	0.89	0.20	56,56,56,56	0
59	MG	AA	3707	1/1	0.89	0.08	63,63,63,63	0
59	MG	DA	4243	1/1	0.89	0.11	59,59,59,59	0
59	MG	AA	3825	1/1	0.89	0.21	81,81,81,81	0
59	MG	DA	3792	1/1	0.89	0.26	92,92,92,92	0
59	MG	CA	1714	1/1	0.89	0.22	66,66,66,66	0
59	MG	CD	124	1/1	0.89	0.33	73,73,73,73	0
59	MG	AA	3826	1/1	0.89	0.10	92,92,92,92	0
59	MG	BA	1865	1/1	0.89	0.15	75,75,75,75	0
59	MG	AA	3893	1/1	0.89	0.07	67,67,67,67	0
59	MG	DA	4257	1/1	0.89	0.14	59,59,59,59	0
59	MG	AF	305	1/1	0.89	0.50	89,89,89,89	0
59	MG	AA	3542	1/1	0.89	0.10	54,54,54,54	0
59	MG	AA	3371	1/1	0.89	0.08	63,63,63,63	0
59	MG	AG	202	1/1	0.89	0.10	83,83,83,83	0
59	MG	AA	3646	1/1	0.89	0.11	62,62,62,62	0
59	MG	AH	201	1/1	0.89	0.13	78,78,78,78	0
59	MG	AA	3900	1/1	0.89	0.17	105,105,105,105	0
59	MG	BA	1876	1/1	0.89	0.10	62,62,62,62	0
59	MG	AA	3775	1/1	0.89	0.20	91,91,91,91	0
59	MG	DA	4711	1/1	0.89	0.16	94,94,94,94	0
59	MG	DA	4281	1/1	0.89	0.14	51,51,51,51	0
59	MG	CB	109	1/1	0.89	0.07	60,60,60,60	0
59	MG	DB	233	1/1	0.89	0.06	45,45,45,45	0
59	MG	CA	1741	1/1	0.89	0.12	66,66,66,66	0
59	MG	AA	3544	1/1	0.89	0.17	62,62,62,62	0
59	MG	DA	4721	1/1	0.89	0.12	75,75,75,75	0
59	MG	DB	239	1/1	0.89	0.32	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4288	1/1	0.89	0.17	72,72,72,72	0
59	MG	BA	2221	1/1	0.89	0.11	75,75,75,75	0
59	MG	AA	4139	1/1	0.89	0.10	67,67,67,67	0
59	MG	DA	3831	1/1	0.89	0.11	61,61,61,61	0
59	MG	BA	1884	1/1	0.89	0.34	67,67,67,67	0
59	MG	DA	3440	1/1	0.89	0.12	57,57,57,57	0
59	MG	AA	4065	1/1	0.89	0.26	68,68,68,68	0
59	MG	DA	4305	1/1	0.89	0.07	46,46,46,46	0
59	MG	DA	4306	1/1	0.89	0.08	45,45,45,45	0
59	MG	DA	4308	1/1	0.89	0.17	71,71,71,71	0
59	MG	BA	1655	1/1	0.89	0.22	58,58,58,58	0
59	MG	AA	3372	1/1	0.89	0.11	52,52,52,52	0
59	MG	AA	3654	1/1	0.89	0.21	59,59,59,59	0
59	MG	CA	1927	1/1	0.89	0.10	62,62,62,62	0
59	MG	BD	112	1/1	0.89	0.17	78,78,78,78	0
59	MG	CC	112	1/1	0.89	0.06	63,63,63,63	0
59	MG	AA	3598	1/1	0.89	0.18	79,79,79,79	0
59	MG	AA	3337	1/1	0.89	0.16	51,51,51,51	0
59	MG	DA	3465	1/1	0.89	0.24	56,56,56,56	0
59	MG	DB	271	1/1	0.89	0.14	72,72,72,72	0
59	MG	BD	115	1/1	0.89	0.07	61,61,61,61	0
59	MG	AA	3548	1/1	0.89	0.11	59,59,59,59	0
59	MG	CC	118	1/1	0.89	0.18	66,66,66,66	0
59	MG	DB	276	1/1	0.89	0.10	66,66,66,66	0
59	MG	DD	308	1/1	0.89	0.28	53,53,53,53	0
59	MG	DA	3479	1/1	0.89	0.18	74,74,74,74	0
59	MG	BA	2023	1/1	0.89	0.13	67,67,67,67	0
59	MG	CA	2115	1/1	0.89	0.21	78,78,78,78	0
59	MG	BA	1897	1/1	0.89	0.24	65,65,65,65	0
59	MG	BA	2236	1/1	0.89	0.07	82,82,82,82	0
59	MG	BD	120	1/1	0.89	0.39	90,90,90,90	0
59	MG	C1	102	1/1	0.89	0.19	68,68,68,68	0
59	MG	BA	2237	1/1	0.89	0.13	77,77,77,77	0
59	MG	AA	3426	1/1	0.89	0.16	64,64,64,64	0
59	MG	AA	4072	1/1	0.89	0.15	56,56,56,56	0
59	MG	AA	3279	1/1	0.89	0.16	45,45,45,45	0
59	MG	DA	3502	1/1	0.89	0.34	74,74,74,74	0
59	MG	CA	1780	1/1	0.89	0.12	56,56,56,56	0
59	MG	DA	4786	1/1	0.89	0.20	81,81,81,81	0
59	MG	AA	3204	1/1	0.89	0.22	68,68,68,68	0
59	MG	DA	4379	1/1	0.89	0.11	74,74,74,74	0
59	MG	DA	3513	1/1	0.89	0.22	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3514	1/1	0.89	0.30	94,94,94,94	0
59	MG	AA	3496	1/1	0.89	0.05	63,63,63,63	0
59	MG	DA	3077	1/1	0.89	0.09	47,47,47,47	0
59	MG	AA	3916	1/1	0.89	0.21	93,93,93,93	0
59	MG	DA	4389	1/1	0.89	0.21	60,60,60,60	0
59	MG	DA	4802	1/1	0.89	0.19	75,75,75,75	0
59	MG	DA	4393	1/1	0.89	0.12	53,53,53,53	0
59	MG	DM	202	1/1	0.89	0.15	48,48,48,48	0
59	MG	DA	3094	1/1	0.89	0.19	23,23,23,23	0
59	MG	DA	4398	1/1	0.89	0.10	46,46,46,46	0
59	MG	BA	1794	1/1	0.89	0.16	49,49,49,49	0
59	MG	BA	2249	1/1	0.89	0.18	66,66,66,66	0
59	MG	CA	2293	1/1	0.89	0.10	80,80,80,80	0
59	MG	AA	3850	1/1	0.89	0.17	41,41,41,41	0
59	MG	CA	2297	1/1	0.89	0.14	71,71,71,71	0
59	MG	AA	3851	1/1	0.89	0.10	60,60,60,60	0
59	MG	BA	1682	1/1	0.89	0.17	51,51,51,51	0
59	MG	DA	4819	1/1	0.89	0.15	64,64,64,64	0
59	MG	CA	1966	1/1	0.89	0.14	69,69,69,69	0
59	MG	AA	4080	1/1	0.89	0.11	71,71,71,71	0
59	MG	AA	3460	1/1	0.89	0.08	28,28,28,28	0
59	MG	DA	3942	1/1	0.89	0.16	64,64,64,64	0
59	MG	DA	4828	1/1	0.89	0.35	103,103,103,103	0
59	MG	AA	3182	1/1	0.89	0.16	60,60,60,60	0
59	MG	DR	202	1/1	0.89	0.10	60,60,60,60	0
59	MG	AA	3505	1/1	0.89	0.22	55,55,55,55	0
59	MG	DA	3565	1/1	0.89	0.12	55,55,55,55	0
59	MG	CA	2307	1/1	0.89	0.09	76,76,76,76	0
59	MG	D1	210	1/1	0.89	0.10	66,66,66,66	0
59	MG	DA	3133	1/1	0.89	0.21	45,45,45,45	0
59	MG	DA	3135	1/1	0.89	0.09	35,35,35,35	0
59	MG	D2	207	1/1	0.89	0.22	68,68,68,68	0
59	MG	AT	101	1/1	0.89	0.15	70,70,70,70	0
59	MG	DA	4444	1/1	0.89	0.12	51,51,51,51	0
59	MG	CA	1975	1/1	0.89	0.22	71,71,71,71	0
59	MG	DS	202	1/1	0.89	0.13	71,71,71,71	0
59	MG	DA	4843	1/1	0.89	0.14	72,72,72,72	0
59	MG	BA	1806	1/1	0.89	0.15	78,78,78,78	0
59	MG	DA	4450	1/1	0.89	0.10	68,68,68,68	0
59	MG	CA	2312	1/1	0.89	0.12	78,78,78,78	0
59	MG	DA	3151	1/1	0.89	0.20	49,49,49,49	0
59	MG	BC	113	1/1	0.89	0.08	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3211	1/1	0.89	0.12	56,56,56,56	0
59	MG	BA	1811	1/1	0.89	0.08	65,65,65,65	0
59	MG	DU	208	1/1	0.89	0.14	52,52,52,52	0
59	MG	DA	3162	1/1	0.89	0.11	45,45,45,45	0
59	MG	AA	3674	1/1	0.89	0.20	61,61,61,61	0
59	MG	DA	3595	1/1	0.89	0.13	38,38,38,38	0
59	MG	DA	3596	1/1	0.89	0.15	76,76,76,76	0
59	MG	DA	4866	1/1	0.89	0.15	53,53,53,53	0
59	MG	DA	4480	1/1	0.89	0.19	77,77,77,77	0
59	MG	AA	3735	1/1	0.89	0.10	50,50,50,50	0
59	MG	DA	3988	1/1	0.89	0.33	59,59,59,59	0
59	MG	DA	3990	1/1	0.89	0.08	31,31,31,31	0
59	MG	DA	3992	1/1	0.89	0.10	61,61,61,61	0
59	MG	DA	3994	1/1	0.89	0.25	48,48,48,48	0
59	MG	DA	3600	1/1	0.89	0.16	59,59,59,59	0
59	MG	CA	2155	1/1	0.89	0.07	65,65,65,65	0
59	MG	BA	1935	1/1	0.89	0.19	95,95,95,95	0
59	MG	CA	1990	1/1	0.89	0.10	64,64,64,64	0
59	MG	CA	2161	1/1	0.89	0.15	96,96,96,96	0
59	MG	DA	4888	1/1	0.89	0.22	76,76,76,76	0
59	MG	AA	3342	1/1	0.89	0.09	63,63,63,63	0
59	MG	CA	1992	1/1	0.89	0.09	77,77,77,77	0
59	MG	CE	303	1/1	0.89	0.09	83,83,83,83	0
59	MG	AA	3738	1/1	0.89	0.12	66,66,66,66	0
59	MG	AA	3155	1/1	0.89	0.18	46,46,46,46	0
59	MG	DA	3195	1/1	0.89	0.15	50,50,50,50	0
59	MG	BA	2273	1/1	0.89	0.14	94,94,94,94	0
59	MG	D8	102	1/1	0.89	0.14	37,37,37,37	0
59	MG	AA	3864	1/1	0.89	0.06	48,48,48,48	0
59	MG	CA	2001	1/1	0.89	0.19	75,75,75,75	0
59	MG	AA	3936	1/1	0.89	0.15	83,83,83,83	0
59	MG	AA	3137	1/1	0.90	0.15	25,25,25,25	0
59	MG	AA	3115	1/1	0.90	0.43	76,76,76,76	0
59	MG	AA	3783	1/1	0.90	0.25	86,86,86,86	0
59	MG	CA	2188	1/1	0.90	0.09	79,79,79,79	0
59	MG	BA	1984	1/1	0.90	0.10	84,84,84,84	0
59	MG	AA	4017	1/1	0.90	0.08	96,96,96,96	0
59	MG	AA	3709	1/1	0.90	0.24	66,66,66,66	0
59	MG	CP	203	1/1	0.90	0.14	77,77,77,77	0
59	MG	CA	1674	1/1	0.90	0.27	60,60,60,60	0
59	MG	DA	4500	1/1	0.90	0.07	53,53,53,53	0
59	MG	BA	1677	1/1	0.90	0.20	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3741	1/1	0.90	0.22	63,63,63,63	0
59	MG	DA	4910	1/1	0.90	0.06	67,67,67,67	0
59	MG	BM	201	1/1	0.90	0.23	64,64,64,64	0
59	MG	DA	3651	1/1	0.90	0.10	40,40,40,40	0
59	MG	BA	1679	1/1	0.90	0.08	50,50,50,50	0
59	MG	AA	3866	1/1	0.90	0.09	96,96,96,96	0
59	MG	DA	4047	1/1	0.90	0.08	44,44,44,44	0
59	MG	CA	1691	1/1	0.90	0.08	33,33,33,33	0
59	MG	BA	1879	1/1	0.90	0.31	46,46,46,46	0
59	MG	CA	2206	1/1	0.90	0.07	52,52,52,52	0
59	MG	AB	232	1/1	0.90	0.10	70,70,70,70	0
59	MG	BA	1883	1/1	0.90	0.32	64,64,64,64	0
59	MG	DA	4933	1/1	0.90	0.12	64,64,64,64	0
59	MG	DA	4934	1/1	0.90	0.18	61,61,61,61	0
59	MG	DA	3666	1/1	0.90	0.08	53,53,53,53	0
59	MG	DA	4522	1/1	0.90	0.11	64,64,64,64	0
59	MG	DA	3285	1/1	0.90	0.26	56,56,56,56	0
59	MG	AA	3822	1/1	0.90	0.28	77,77,77,77	0
59	MG	CA	2041	1/1	0.90	0.07	64,64,64,64	0
59	MG	DA	4063	1/1	0.90	0.13	52,52,52,52	0
59	MG	CD	102	1/1	0.90	0.21	64,64,64,64	0
59	MG	DA	3290	1/1	0.90	0.07	33,33,33,33	0
59	MG	DA	4072	1/1	0.90	0.11	48,48,48,48	0
59	MG	AA	3210	1/1	0.90	0.16	39,39,39,39	0
59	MG	DA	4079	1/1	0.90	0.11	66,66,66,66	0
59	MG	A3	102	1/1	0.90	0.06	83,83,83,83	0
59	MG	AA	3743	1/1	0.90	0.29	71,71,71,71	0
59	MG	AB	236	1/1	0.90	0.14	64,64,64,64	0
59	MG	DA	4084	1/1	0.90	0.18	79,79,79,79	0
59	MG	CA	2218	1/1	0.90	0.16	82,82,82,82	0
59	MG	DA	3686	1/1	0.90	0.14	70,70,70,70	0
59	MG	BA	2209	1/1	0.90	0.06	56,56,56,56	0
59	MG	AA	3972	1/1	0.90	0.16	60,60,60,60	0
59	MG	DA	4100	1/1	0.90	0.15	72,72,72,72	0
59	MG	DA	4570	1/1	0.90	0.11	59,59,59,59	0
59	MG	DA	4967	1/1	0.90	0.09	74,74,74,74	0
59	MG	DA	4971	1/1	0.90	0.20	79,79,79,79	0
59	MG	CD	110	1/1	0.90	0.09	77,77,77,77	0
59	MG	CA	1876	1/1	0.90	0.14	79,79,79,79	0
59	MG	DA	4106	1/1	0.90	0.18	65,65,65,65	0
59	MG	DA	4108	1/1	0.90	0.21	74,74,74,74	0
59	MG	DA	4980	1/1	0.90	0.28	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4575	1/1	0.90	0.24	68,68,68,68	0
59	MG	AZ	102	1/1	0.90	0.09	50,50,50,50	0
59	MG	DA	3713	1/1	0.90	0.34	70,70,70,70	0
59	MG	DA	3714	1/1	0.90	0.14	21,21,21,21	0
59	MG	BA	2006	1/1	0.90	0.20	71,71,71,71	0
59	MG	BA	1797	1/1	0.90	0.26	63,63,63,63	0
59	MG	DA	4590	1/1	0.90	0.27	81,81,81,81	0
59	MG	BA	2114	1/1	0.90	0.06	71,71,71,71	0
59	MG	CA	1711	1/1	0.90	0.10	62,62,62,62	0
59	MG	CA	2061	1/1	0.90	0.08	50,50,50,50	0
59	MG	BA	1896	1/1	0.90	0.06	83,83,83,83	0
59	MG	DA	4130	1/1	0.90	0.25	29,29,29,29	0
59	MG	DA	4131	1/1	0.90	0.10	34,34,34,34	0
59	MG	DA	3342	1/1	0.90	0.22	55,55,55,55	0
59	MG	DA	4139	1/1	0.90	0.09	36,36,36,36	0
59	MG	DA	5003	1/1	0.90	0.18	76,76,76,76	0
59	MG	AA	3145	1/1	0.90	0.24	61,61,61,61	0
59	MG	BA	2218	1/1	0.90	0.11	80,80,80,80	0
59	MG	DA	5006	1/1	0.90	0.17	61,61,61,61	0
59	MG	BA	2012	1/1	0.90	0.21	72,72,72,72	0
59	MG	DA	4606	1/1	0.90	0.28	41,41,41,41	0
59	MG	DA	3743	1/1	0.90	0.22	65,65,65,65	0
59	MG	DA	3346	1/1	0.90	0.25	49,49,49,49	0
59	MG	BA	2013	1/1	0.90	0.08	67,67,67,67	0
59	MG	DA	4152	1/1	0.90	0.25	54,54,54,54	0
59	MG	DA	3748	1/1	0.90	0.21	66,66,66,66	0
59	MG	DA	4616	1/1	0.90	0.14	72,72,72,72	0
59	MG	DA	4617	1/1	0.90	0.08	54,54,54,54	0
59	MG	CA	1894	1/1	0.90	0.21	60,60,60,60	0
59	MG	DA	4160	1/1	0.90	0.23	53,53,53,53	0
59	MG	AA	4083	1/1	0.90	0.11	74,74,74,74	0
59	MG	DA	4164	1/1	0.90	0.08	29,29,29,29	0
59	MG	CA	1722	1/1	0.90	0.15	50,50,50,50	0
59	MG	CA	1723	1/1	0.90	0.17	61,61,61,61	0
59	MG	DA	4168	1/1	0.90	0.09	33,33,33,33	0
59	MG	CA	2073	1/1	0.90	0.12	41,41,41,41	0
59	MG	BA	2222	1/1	0.90	0.07	102,102,102,102	0
59	MG	BA	1899	1/1	0.90	0.09	57,57,57,57	0
59	MG	DA	4177	1/1	0.90	0.21	52,52,52,52	0
59	MG	DA	4179	1/1	0.90	0.16	57,57,57,57	0
59	MG	AD	305	1/1	0.90	0.10	53,53,53,53	0
59	MG	AD	309	1/1	0.90	0.15	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	1907	1/1	0.90	0.13	56,56,56,56	0
59	MG	DA	5054	1/1	0.90	0.15	67,67,67,67	0
59	MG	DA	4184	1/1	0.90	0.18	61,61,61,61	0
59	MG	DA	5056	1/1	0.90	0.30	98,98,98,98	0
59	MG	CB	105	1/1	0.90	0.12	76,76,76,76	0
59	MG	BA	2127	1/1	0.90	0.08	50,50,50,50	0
59	MG	DA	4653	1/1	0.90	0.18	69,69,69,69	0
59	MG	AA	3491	1/1	0.90	0.10	68,68,68,68	0
59	MG	AA	3790	1/1	0.90	0.20	60,60,60,60	0
59	MG	DA	5063	1/1	0.90	0.09	52,52,52,52	0
59	MG	AA	3569	1/1	0.90	0.19	75,75,75,75	0
59	MG	BA	1808	1/1	0.90	0.15	70,70,70,70	0
59	MG	DA	3393	1/1	0.90	0.27	88,88,88,88	0
59	MG	DA	3772	1/1	0.90	0.14	65,65,65,65	0
59	MG	BA	2233	1/1	0.90	0.12	100,100,100,100	0
59	MG	DA	4215	1/1	0.90	0.18	53,53,53,53	0
59	MG	CB	114	1/1	0.90	0.07	71,71,71,71	0
59	MG	BA	1913	1/1	0.90	0.09	73,73,73,73	0
59	MG	DA	3787	1/1	0.90	0.10	114,114,114,114	0
59	MG	DA	3400	1/1	0.90	0.19	48,48,48,48	0
59	MG	DA	3401	1/1	0.90	0.27	45,45,45,45	0
59	MG	DB	208	1/1	0.90	0.11	46,46,46,46	0
59	MG	DA	4674	1/1	0.90	0.19	93,93,93,93	0
59	MG	BA	2134	1/1	0.90	0.07	62,62,62,62	0
59	MG	CB	117	1/1	0.90	0.17	68,68,68,68	0
59	MG	DA	4678	1/1	0.90	0.14	68,68,68,68	0
59	MG	AA	3978	1/1	0.90	0.15	70,70,70,70	0
59	MG	AA	3252	1/1	0.90	0.17	38,38,38,38	0
59	MG	AA	3834	1/1	0.90	0.19	79,79,79,79	0
59	MG	DA	4250	1/1	0.90	0.12	49,49,49,49	0
59	MG	DA	3411	1/1	0.90	0.12	56,56,56,56	0
59	MG	AF	306	1/1	0.90	0.28	77,77,77,77	0
59	MG	DA	3415	1/1	0.90	0.28	49,49,49,49	0
59	MG	DA	4689	1/1	0.90	0.14	67,67,67,67	0
59	MG	AA	3794	1/1	0.90	0.33	70,70,70,70	0
59	MG	BA	1921	1/1	0.90	0.13	85,85,85,85	0
59	MG	CC	107	1/1	0.90	0.23	56,56,56,56	0
59	MG	DA	4263	1/1	0.90	0.16	66,66,66,66	0
59	MG	DA	4264	1/1	0.90	0.12	58,58,58,58	0
59	MG	CC	109	1/1	0.90	0.10	49,49,49,49	0
59	MG	CA	2104	1/1	0.90	0.08	67,67,67,67	0
59	MG	CA	1758	1/1	0.90	0.13	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4036	1/1	0.90	0.06	68,68,68,68	0
59	MG	AA	3881	1/1	0.90	0.08	72,72,72,72	0
59	MG	AA	3103	1/1	0.90	0.18	45,45,45,45	0
59	MG	AA	3346	1/1	0.90	0.27	58,58,58,58	0
59	MG	DA	4279	1/1	0.90	0.08	72,72,72,72	0
59	MG	BA	1727	1/1	0.90	0.11	52,52,52,52	0
59	MG	DA	3829	1/1	0.90	0.11	66,66,66,66	0
59	MG	CA	2112	1/1	0.90	0.22	78,78,78,78	0
59	MG	BA	1929	1/1	0.90	0.08	85,85,85,85	0
59	MG	DA	4722	1/1	0.90	0.09	109,109,109,109	0
59	MG	CA	1940	1/1	0.90	0.13	67,67,67,67	0
59	MG	DA	3841	1/1	0.90	0.08	50,50,50,50	0
59	MG	BB	104	1/1	0.90	0.10	71,71,71,71	0
59	MG	DA	4292	1/1	0.90	0.22	62,62,62,62	0
59	MG	CA	2116	1/1	0.90	0.12	79,79,79,79	0
59	MG	BA	2252	1/1	0.90	0.09	70,70,70,70	0
59	MG	AA	3233	1/1	0.90	0.21	55,55,55,55	0
59	MG	DA	4299	1/1	0.90	0.17	72,72,72,72	0
59	MG	AA	3988	1/1	0.90	0.12	64,64,64,64	0
59	MG	BA	2257	1/1	0.90	0.13	85,85,85,85	0
59	MG	DA	3467	1/1	0.90	0.33	75,75,75,75	0
59	MG	CA	1779	1/1	0.90	0.21	38,38,38,38	0
59	MG	DA	3472	1/1	0.90	0.24	55,55,55,55	0
59	MG	DA	3021	1/1	0.90	0.20	26,26,26,26	0
59	MG	BA	1932	1/1	0.90	0.13	107,107,107,107	0
59	MG	CA	1950	1/1	0.90	0.11	86,86,86,86	0
59	MG	CA	1951	1/1	0.90	0.08	82,82,82,82	0
59	MG	CA	1782	1/1	0.90	0.21	50,50,50,50	0
59	MG	DD	307	1/1	0.90	0.14	50,50,50,50	0
59	MG	BA	1625	1/1	0.90	0.30	74,74,74,74	0
59	MG	CA	1785	1/1	0.90	0.18	63,63,63,63	0
59	MG	DD	313	1/1	0.90	0.15	64,64,64,64	0
59	MG	DA	4754	1/1	0.90	0.08	71,71,71,71	0
59	MG	AA	3584	1/1	0.90	0.13	85,85,85,85	0
59	MG	DA	3101	1/1	0.90	0.22	45,45,45,45	0
59	MG	DA	3493	1/1	0.90	0.11	50,50,50,50	0
59	MG	BA	1739	1/1	0.90	0.18	67,67,67,67	0
59	MG	DF	309	1/1	0.90	0.18	46,46,46,46	0
59	MG	DF	311	1/1	0.90	0.16	57,57,57,57	0
59	MG	DA	4761	1/1	0.90	0.15	78,78,78,78	0
59	MG	BA	1628	1/1	0.90	0.15	49,49,49,49	0
59	MG	DA	4764	1/1	0.90	0.29	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3689	1/1	0.90	0.09	61,61,61,61	0
59	MG	BC	106	1/1	0.90	0.10	58,58,58,58	0
59	MG	DA	3112	1/1	0.90	0.17	49,49,49,49	0
59	MG	DA	4774	1/1	0.90	0.21	70,70,70,70	0
59	MG	DF	321	1/1	0.90	0.15	55,55,55,55	0
59	MG	DA	3508	1/1	0.90	0.30	56,56,56,56	0
59	MG	DA	4778	1/1	0.90	0.14	66,66,66,66	0
59	MG	AA	3440	1/1	0.90	0.17	75,75,75,75	0
59	MG	BA	1631	1/1	0.90	0.18	48,48,48,48	0
59	MG	DA	4352	1/1	0.90	0.24	69,69,69,69	0
59	MG	AA	3992	1/1	0.90	0.12	75,75,75,75	0
59	MG	AA	3301	1/1	0.90	0.07	50,50,50,50	0
59	MG	DA	4784	1/1	0.90	0.07	74,74,74,74	0
59	MG	BA	1638	1/1	0.90	0.17	51,51,51,51	0
59	MG	DY	203	1/1	0.90	0.18	75,75,75,75	0
59	MG	DA	4363	1/1	0.90	0.10	42,42,42,42	0
59	MG	AO	207	1/1	0.90	0.30	102,102,102,102	0
59	MG	AA	3278	1/1	0.90	0.22	59,59,59,59	0
59	MG	BA	1755	1/1	0.90	0.09	56,56,56,56	0
59	MG	AB	207	1/1	0.90	0.05	74,74,74,74	0
59	MG	BA	1757	1/1	0.90	0.15	39,39,39,39	0
59	MG	DA	4378	1/1	0.90	0.13	48,48,48,48	0
59	MG	BA	1848	1/1	0.90	0.06	56,56,56,56	0
59	MG	DA	3139	1/1	0.90	0.23	45,45,45,45	0
59	MG	DA	3914	1/1	0.90	0.07	36,36,36,36	0
59	MG	CA	1605	1/1	0.90	0.09	36,36,36,36	0
59	MG	DO	218	1/1	0.90	0.20	74,74,74,74	0
59	MG	CA	2151	1/1	0.90	0.10	60,60,60,60	0
59	MG	DA	4805	1/1	0.90	0.28	74,74,74,74	0
59	MG	DA	3144	1/1	0.90	0.14	36,36,36,36	0
59	MG	DA	3145	1/1	0.90	0.18	39,39,39,39	0
59	MG	CA	1808	1/1	0.90	0.08	148,148,148,148	0
59	MG	DA	4394	1/1	0.90	0.24	69,69,69,69	0
59	MG	CA	2153	1/1	0.90	0.07	76,76,76,76	0
59	MG	DQ	201	1/1	0.90	0.18	51,51,51,51	0
59	MG	DA	3556	1/1	0.90	0.35	107,107,107,107	0
59	MG	CA	1984	1/1	0.90	0.14	49,49,49,49	0
59	MG	CE	301	1/1	0.90	0.07	61,61,61,61	0
59	MG	CA	1809	1/1	0.90	0.07	82,82,82,82	0
59	MG	AA	3030	1/1	0.90	0.19	45,45,45,45	0
59	MG	BA	1959	1/1	0.90	0.20	64,64,64,64	0
59	MG	DA	3172	1/1	0.90	0.18	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3726	1/1	0.90	0.06	60,60,60,60	0
59	MG	CA	1820	1/1	0.90	0.16	67,67,67,67	0
59	MG	DA	4417	1/1	0.90	0.11	64,64,64,64	0
59	MG	AA	3999	1/1	0.90	0.11	57,57,57,57	0
59	MG	DA	4419	1/1	0.90	0.19	57,57,57,57	0
59	MG	AA	3769	1/1	0.90	0.05	80,80,80,80	0
59	MG	DA	4421	1/1	0.90	0.18	64,64,64,64	0
59	MG	DA	4836	1/1	0.90	0.07	41,41,41,41	0
59	MG	DA	3968	1/1	0.90	0.24	55,55,55,55	0
59	MG	DA	3578	1/1	0.90	0.05	62,62,62,62	0
59	MG	DA	4426	1/1	0.90	0.12	75,75,75,75	0
59	MG	AA	3280	1/1	0.90	0.31	56,56,56,56	0
59	MG	AA	3125	1/1	0.90	0.19	51,51,51,51	0
59	MG	DU	203	1/1	0.90	0.13	45,45,45,45	0
59	MG	DU	204	1/1	0.90	0.13	62,62,62,62	0
59	MG	CA	1628	1/1	0.90	0.25	42,42,42,42	0
59	MG	AA	3192	1/1	0.90	0.08	39,39,39,39	0
59	MG	AA	4006	1/1	0.90	0.18	65,65,65,65	0
59	MG	CA	2004	1/1	0.90	0.08	61,61,61,61	0
59	MG	AA	3699	1/1	0.90	0.16	59,59,59,59	0
59	MG	DU	212	1/1	0.90	0.15	75,75,75,75	0
59	MG	DA	4855	1/1	0.90	0.16	74,74,74,74	0
59	MG	DA	4447	1/1	0.90	0.13	63,63,63,63	0
59	MG	DA	3196	1/1	0.90	0.20	43,43,43,43	0
59	MG	AA	3901	1/1	0.90	0.09	52,52,52,52	0
59	MG	DA	3989	1/1	0.90	0.07	110,110,110,110	0
59	MG	AA	3634	1/1	0.90	0.23	52,52,52,52	0
59	MG	DA	4454	1/1	0.90	0.13	51,51,51,51	0
59	MG	DA	3991	1/1	0.90	0.07	96,96,96,96	0
59	MG	DA	4868	1/1	0.90	0.09	70,70,70,70	0
59	MG	AA	3736	1/1	0.90	0.25	72,72,72,72	0
59	MG	AS	201	1/1	0.90	0.08	67,67,67,67	0
59	MG	DA	4872	1/1	0.90	0.34	106,106,106,106	0
59	MG	DW	103	1/1	0.90	0.20	78,78,78,78	0
59	MG	CA	1646	1/1	0.90	0.06	53,53,53,53	0
59	MG	CA	2011	1/1	0.90	0.08	62,62,62,62	0
59	MG	DA	3998	1/1	0.90	0.13	46,46,46,46	0
59	MG	DA	4467	1/1	0.90	0.09	50,50,50,50	0
59	MG	DA	4473	1/1	0.90	0.12	60,60,60,60	0
59	MG	D5	107	1/1	0.90	0.13	59,59,59,59	0
59	MG	DA	3612	1/1	0.90	0.12	64,64,64,64	0
59	MG	AS	202	1/1	0.90	0.16	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3215	1/1	0.90	0.13	84,84,84,84	0
59	MG	AA	3284	1/1	0.90	0.10	78,78,78,78	0
59	MG	DA	3218	1/1	0.90	0.21	47,47,47,47	0
59	MG	BI	201	1/1	0.90	0.13	47,47,47,47	0
59	MG	D8	105	1/1	0.90	0.32	44,44,44,44	0
59	MG	D8	108	1/1	0.90	0.11	52,52,52,52	0
59	MG	DA	3621	1/1	0.90	0.13	51,51,51,51	0
59	MG	DA	3228	1/1	0.90	0.11	36,36,36,36	0
59	MG	AA	3449	1/1	0.91	0.17	82,82,82,82	0
59	MG	DA	4222	1/1	0.91	0.29	54,54,54,54	0
59	MG	DA	3835	1/1	0.91	0.10	61,61,61,61	0
59	MG	CQ	104	1/1	0.91	0.12	56,56,56,56	0
59	MG	DA	3838	1/1	0.91	0.16	80,80,80,80	0
59	MG	BA	1868	1/1	0.91	0.12	65,65,65,65	0
59	MG	AQ	203	1/1	0.91	0.07	67,67,67,67	0
59	MG	DA	3509	1/1	0.91	0.29	47,47,47,47	0
59	MG	AA	3240	1/1	0.91	0.16	34,34,34,34	0
59	MG	DA	4969	1/1	0.91	0.08	75,75,75,75	0
59	MG	DA	4623	1/1	0.91	0.13	47,47,47,47	0
59	MG	CS	102	1/1	0.91	0.26	65,65,65,65	0
59	MG	DA	4247	1/1	0.91	0.12	48,48,48,48	0
59	MG	AA	3059	1/1	0.91	0.16	68,68,68,68	0
59	MG	BA	1656	1/1	0.91	0.06	57,57,57,57	0
59	MG	DA	4631	1/1	0.91	0.08	67,67,67,67	0
59	MG	CA	1617	1/1	0.91	0.13	33,33,33,33	0
59	MG	AB	203	1/1	0.91	0.12	37,37,37,37	0
59	MG	DA	3524	1/1	0.91	0.06	32,32,32,32	0
59	MG	AA	4100	1/1	0.91	0.06	103,103,103,103	0
59	MG	AB	208	1/1	0.91	0.06	57,57,57,57	0
59	MG	CA	1631	1/1	0.91	0.17	42,42,42,42	0
59	MG	AA	4037	1/1	0.91	0.06	43,43,43,43	0
59	MG	AA	3324	1/1	0.91	0.07	43,43,43,43	0
59	MG	DA	3537	1/1	0.91	0.09	43,43,43,43	0
59	MG	BA	2196	1/1	0.91	0.05	65,65,65,65	0
59	MG	AA	4039	1/1	0.91	0.09	95,95,95,95	0
59	MG	DA	4650	1/1	0.91	0.20	83,83,83,83	0
59	MG	DA	3542	1/1	0.91	0.21	51,51,51,51	0
59	MG	DA	3214	1/1	0.91	0.25	57,57,57,57	0
59	MG	BA	2098	1/1	0.91	0.31	73,73,73,73	0
59	MG	CA	1641	1/1	0.91	0.14	28,28,28,28	0
59	MG	AA	3919	1/1	0.91	0.15	59,59,59,59	0
59	MG	AB	213	1/1	0.91	0.07	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3555	1/1	0.91	0.15	49,49,49,49	0
59	MG	AA	3101	1/1	0.91	0.17	38,38,38,38	0
59	MG	DA	5008	1/1	0.91	0.11	57,57,57,57	0
59	MG	DA	3558	1/1	0.91	0.32	64,64,64,64	0
59	MG	CA	1957	1/1	0.91	0.26	56,56,56,56	0
59	MG	CA	1812	1/1	0.91	0.08	45,45,45,45	0
59	MG	DA	3567	1/1	0.91	0.09	47,47,47,47	0
59	MG	DA	3237	1/1	0.91	0.06	13,13,13,13	0
59	MG	CA	1648	1/1	0.91	0.15	36,36,36,36	0
59	MG	AB	216	1/1	0.91	0.17	53,53,53,53	0
59	MG	DA	3246	1/1	0.91	0.08	34,34,34,34	0
59	MG	AA	3778	1/1	0.91	0.08	53,53,53,53	0
59	MG	BA	1999	1/1	0.91	0.14	77,77,77,77	0
59	MG	CA	2248	1/1	0.91	0.15	72,72,72,72	0
59	MG	DA	5031	1/1	0.91	0.17	68,68,68,68	0
59	MG	DA	4679	1/1	0.91	0.09	47,47,47,47	0
59	MG	AA	3293	1/1	0.91	0.14	45,45,45,45	0
59	MG	DA	5035	1/1	0.91	0.10	51,51,51,51	0
59	MG	DA	5037	1/1	0.91	0.09	84,84,84,84	0
59	MG	AA	3684	1/1	0.91	0.16	58,58,58,58	0
59	MG	DA	4307	1/1	0.91	0.12	57,57,57,57	0
59	MG	DA	3916	1/1	0.91	0.20	36,36,36,36	0
59	MG	DA	3918	1/1	0.91	0.21	50,50,50,50	0
59	MG	AA	3294	1/1	0.91	0.24	64,64,64,64	0
59	MG	AA	3244	1/1	0.91	0.27	55,55,55,55	0
59	MG	CD	119	1/1	0.91	0.07	60,60,60,60	0
59	MG	DA	4320	1/1	0.91	0.15	50,50,50,50	0
59	MG	DA	3929	1/1	0.91	0.12	73,73,73,73	0
59	MG	AA	3298	1/1	0.91	0.09	38,38,38,38	0
59	MG	DA	4695	1/1	0.91	0.06	52,52,52,52	0
59	MG	DA	3588	1/1	0.91	0.11	54,54,54,54	0
59	MG	BA	1683	1/1	0.91	0.11	51,51,51,51	0
59	MG	CA	2119	1/1	0.91	0.21	76,76,76,76	0
59	MG	BA	1684	1/1	0.91	0.07	36,36,36,36	0
59	MG	DA	4333	1/1	0.91	0.06	52,52,52,52	0
59	MG	CA	1977	1/1	0.91	0.08	64,64,64,64	0
59	MG	DA	4337	1/1	0.91	0.12	58,58,58,58	0
59	MG	BA	1686	1/1	0.91	0.18	34,34,34,34	0
59	MG	CA	1979	1/1	0.91	0.06	58,58,58,58	0
59	MG	AA	3300	1/1	0.91	0.23	38,38,38,38	0
59	MG	DA	3605	1/1	0.91	0.08	29,29,29,29	0
59	MG	DA	3954	1/1	0.91	0.27	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4719	1/1	0.91	0.14	54,54,54,54	0
59	MG	AA	3216	1/1	0.91	0.15	40,40,40,40	0
59	MG	CA	2267	1/1	0.91	0.15	80,80,80,80	0
59	MG	BA	1693	1/1	0.91	0.20	46,46,46,46	0
59	MG	DA	3959	1/1	0.91	0.16	59,59,59,59	0
59	MG	AA	3050	1/1	0.91	0.12	59,59,59,59	0
59	MG	DB	202	1/1	0.91	0.21	48,48,48,48	0
59	MG	AA	4117	1/1	0.91	0.12	96,96,96,96	0
59	MG	DA	3969	1/1	0.91	0.07	48,48,48,48	0
59	MG	CA	2129	1/1	0.91	0.16	75,75,75,75	0
59	MG	DA	4731	1/1	0.91	0.18	63,63,63,63	0
59	MG	AA	4118	1/1	0.91	0.13	67,67,67,67	0
59	MG	BA	1700	1/1	0.91	0.18	46,46,46,46	0
59	MG	AA	3935	1/1	0.91	0.16	55,55,55,55	0
59	MG	AA	3590	1/1	0.91	0.17	78,78,78,78	0
59	MG	DA	4377	1/1	0.91	0.13	46,46,46,46	0
59	MG	AA	4121	1/1	0.91	0.12	66,66,66,66	0
59	MG	CB	111	1/1	0.91	0.10	54,54,54,54	0
59	MG	AA	3367	1/1	0.91	0.26	49,49,49,49	0
59	MG	DA	3321	1/1	0.91	0.18	34,34,34,34	0
59	MG	BA	1810	1/1	0.91	0.10	93,93,93,93	0
59	MG	DA	3637	1/1	0.91	0.21	63,63,63,63	0
59	MG	DA	3328	1/1	0.91	0.09	56,56,56,56	0
59	MG	DA	4750	1/1	0.91	0.12	68,68,68,68	0
59	MG	CA	1701	1/1	0.91	0.13	56,56,56,56	0
59	MG	AA	3538	1/1	0.91	0.08	45,45,45,45	0
59	MG	AA	3051	1/1	0.91	0.17	62,62,62,62	0
59	MG	DA	3643	1/1	0.91	0.09	62,62,62,62	0
59	MG	CA	2286	1/1	0.91	0.06	67,67,67,67	0
59	MG	AA	3647	1/1	0.91	0.09	25,25,25,25	0
59	MG	DA	4758	1/1	0.91	0.23	71,71,71,71	0
59	MG	CA	2288	1/1	0.91	0.08	74,74,74,74	0
59	MG	DA	4402	1/1	0.91	0.23	35,35,35,35	0
59	MG	DA	3341	1/1	0.91	0.22	49,49,49,49	0
59	MG	AA	3437	1/1	0.91	0.08	51,51,51,51	0
59	MG	A5	102	1/1	0.91	0.17	28,28,28,28	0
59	MG	DA	4409	1/1	0.91	0.35	75,75,75,75	0
59	MG	DA	4769	1/1	0.91	0.17	68,68,68,68	0
59	MG	DA	3653	1/1	0.91	0.19	61,61,61,61	0
59	MG	AA	3840	1/1	0.91	0.10	77,77,77,77	0
59	MG	AA	3702	1/1	0.91	0.12	62,62,62,62	0
59	MG	DA	4776	1/1	0.91	0.07	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DB	256	1/1	0.91	0.09	65,65,65,65	0
59	MG	DA	3656	1/1	0.91	0.16	81,81,81,81	0
59	MG	CA	1710	1/1	0.91	0.10	30,30,30,30	0
59	MG	AA	4005	1/1	0.91	0.07	63,63,63,63	0
59	MG	DA	3661	1/1	0.91	0.13	68,68,68,68	0
59	MG	CA	2296	1/1	0.91	0.09	68,68,68,68	0
59	MG	DA	3663	1/1	0.91	0.11	79,79,79,79	0
59	MG	DA	3349	1/1	0.91	0.22	56,56,56,56	0
59	MG	DA	3350	1/1	0.91	0.06	50,50,50,50	0
59	MG	A8	101	1/1	0.91	0.15	45,45,45,45	0
59	MG	AA	4132	1/1	0.91	0.14	68,68,68,68	0
59	MG	AA	3747	1/1	0.91	0.12	53,53,53,53	0
59	MG	DA	3361	1/1	0.91	0.11	50,50,50,50	0
59	MG	DA	3365	1/1	0.91	0.18	45,45,45,45	0
59	MG	CA	2013	1/1	0.91	0.06	46,46,46,46	0
59	MG	AD	307	1/1	0.91	0.16	51,51,51,51	0
59	MG	CA	2157	1/1	0.91	0.12	79,79,79,79	0
59	MG	AD	308	1/1	0.91	0.32	58,58,58,58	0
59	MG	CC	122	1/1	0.91	0.15	69,69,69,69	0
59	MG	DA	3682	1/1	0.91	0.07	83,83,83,83	0
59	MG	DE	306	1/1	0.91	0.08	45,45,45,45	0
59	MG	DA	4452	1/1	0.91	0.11	50,50,50,50	0
59	MG	AA	3949	1/1	0.91	0.11	71,71,71,71	0
59	MG	BA	1726	1/1	0.91	0.17	62,62,62,62	0
59	MG	BA	2042	1/1	0.91	0.06	95,95,95,95	0
59	MG	DA	3691	1/1	0.91	0.10	69,69,69,69	0
59	MG	DF	305	1/1	0.91	0.10	54,54,54,54	0
59	MG	DA	3384	1/1	0.91	0.28	56,56,56,56	0
59	MG	AA	3185	1/1	0.91	0.15	29,29,29,29	0
59	MG	DA	4060	1/1	0.91	0.07	52,52,52,52	0
59	MG	DA	4464	1/1	0.91	0.13	51,51,51,51	0
59	MG	DA	3702	1/1	0.91	0.08	36,36,36,36	0
59	MG	BA	2044	1/1	0.91	0.10	62,62,62,62	0
59	MG	DA	4468	1/1	0.91	0.18	60,60,60,60	0
59	MG	DA	4469	1/1	0.91	0.10	52,52,52,52	0
59	MG	C1	103	1/1	0.91	0.09	64,64,64,64	0
59	MG	AA	3307	1/1	0.91	0.16	50,50,50,50	0
59	MG	CA	2024	1/1	0.91	0.09	96,96,96,96	0
59	MG	AA	3952	1/1	0.91	0.24	71,71,71,71	0
59	MG	DG	203	1/1	0.91	0.22	64,64,64,64	0
59	MG	CA	1879	1/1	0.91	0.34	58,58,58,58	0
59	MG	BA	1736	1/1	0.91	0.09	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DH	202	1/1	0.91	0.13	59,59,59,59	0
59	MG	AA	3895	1/1	0.91	0.10	51,51,51,51	0
59	MG	BA	2049	1/1	0.91	0.14	55,55,55,55	0
59	MG	DA	3045	1/1	0.91	0.18	23,23,23,23	0
59	MG	DA	3404	1/1	0.91	0.17	65,65,65,65	0
59	MG	DA	4086	1/1	0.91	0.22	98,98,98,98	0
59	MG	DA	4838	1/1	0.91	0.14	67,67,67,67	0
59	MG	DA	4491	1/1	0.91	0.10	66,66,66,66	0
59	MG	DA	4092	1/1	0.91	0.21	99,99,99,99	0
59	MG	DM	201	1/1	0.91	0.13	29,29,29,29	0
59	MG	DA	3050	1/1	0.91	0.06	46,46,46,46	0
59	MG	CA	2031	1/1	0.91	0.19	77,77,77,77	0
59	MG	CA	1888	1/1	0.91	0.43	72,72,72,72	0
59	MG	DA	4849	1/1	0.91	0.15	55,55,55,55	0
59	MG	AF	302	1/1	0.91	0.22	69,69,69,69	0
59	MG	DA	3089	1/1	0.91	0.19	23,23,23,23	0
59	MG	DO	211	1/1	0.91	0.10	53,53,53,53	0
59	MG	DO	212	1/1	0.91	0.14	44,44,44,44	0
59	MG	AA	3896	1/1	0.91	0.15	99,99,99,99	0
59	MG	DA	4104	1/1	0.91	0.11	76,76,76,76	0
59	MG	DA	4105	1/1	0.91	0.11	62,62,62,62	0
59	MG	AA	3202	1/1	0.91	0.17	31,31,31,31	0
59	MG	DP	201	1/1	0.91	0.18	29,29,29,29	0
59	MG	BA	2054	1/1	0.91	0.14	68,68,68,68	0
59	MG	DA	3102	1/1	0.91	0.17	61,61,61,61	0
59	MG	BA	2055	1/1	0.91	0.07	89,89,89,89	0
59	MG	D0	205	1/1	0.91	0.23	41,41,41,41	0
59	MG	DA	4117	1/1	0.91	0.07	58,58,58,58	0
59	MG	CA	2040	1/1	0.91	0.06	56,56,56,56	0
59	MG	DA	4121	1/1	0.91	0.11	77,77,77,77	0
59	MG	D0	210	1/1	0.91	0.09	75,75,75,75	0
59	MG	DA	3420	1/1	0.91	0.25	51,51,51,51	0
59	MG	DA	4869	1/1	0.91	0.15	44,44,44,44	0
59	MG	DA	3107	1/1	0.91	0.14	43,43,43,43	0
59	MG	AA	3120	1/1	0.91	0.35	59,59,59,59	0
59	MG	DR	203	1/1	0.91	0.15	84,84,84,84	0
59	MG	DA	3427	1/1	0.91	0.07	44,44,44,44	0
59	MG	DA	3428	1/1	0.91	0.17	38,38,38,38	0
59	MG	AA	3803	1/1	0.91	0.09	72,72,72,72	0
59	MG	D1	208	1/1	0.91	0.10	58,58,58,58	0
59	MG	DA	4523	1/1	0.91	0.12	51,51,51,51	0
59	MG	BA	1627	1/1	0.91	0.27	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3439	1/1	0.91	0.13	86,86,86,86	0
59	MG	DA	4528	1/1	0.91	0.08	65,65,65,65	0
59	MG	BA	1847	1/1	0.91	0.08	74,74,74,74	0
59	MG	DA	3441	1/1	0.91	0.17	43,43,43,43	0
59	MG	DA	3446	1/1	0.91	0.25	66,66,66,66	0
59	MG	DA	4886	1/1	0.91	0.16	60,60,60,60	0
59	MG	AA	3755	1/1	0.91	0.12	63,63,63,63	0
59	MG	DA	4539	1/1	0.91	0.25	85,85,85,85	0
59	MG	AA	3442	1/1	0.91	0.07	128,128,128,128	0
59	MG	CA	2190	1/1	0.91	0.13	62,62,62,62	0
59	MG	AA	3961	1/1	0.91	0.10	54,54,54,54	0
59	MG	BC	101	1/1	0.91	0.14	53,53,53,53	0
59	MG	DA	3786	1/1	0.91	0.15	68,68,68,68	0
59	MG	DA	4154	1/1	0.91	0.34	74,74,74,74	0
59	MG	DA	4898	1/1	0.91	0.10	58,58,58,58	0
59	MG	AA	3487	1/1	0.91	0.17	72,72,72,72	0
59	MG	BA	1962	1/1	0.91	0.08	73,73,73,73	0
59	MG	DA	3132	1/1	0.91	0.27	34,34,34,34	0
59	MG	DA	4562	1/1	0.91	0.11	46,46,46,46	0
59	MG	DA	4563	1/1	0.91	0.13	77,77,77,77	0
59	MG	AA	3121	1/1	0.91	0.34	85,85,85,85	0
59	MG	DA	3794	1/1	0.91	0.18	38,38,38,38	0
59	MG	AA	3042	1/1	0.91	0.11	35,35,35,35	0
59	MG	AA	3260	1/1	0.91	0.20	44,44,44,44	0
59	MG	BC	112	1/1	0.91	0.07	57,57,57,57	0
59	MG	CH	203	1/1	0.91	0.13	70,70,70,70	0
59	MG	AA	3493	1/1	0.91	0.05	76,76,76,76	0
59	MG	DA	3473	1/1	0.91	0.09	44,44,44,44	0
59	MG	AA	3968	1/1	0.91	0.13	77,77,77,77	0
59	MG	CA	2205	1/1	0.91	0.23	70,70,70,70	0
59	MG	DA	3480	1/1	0.91	0.14	46,46,46,46	0
59	MG	D3	106	1/1	0.91	0.18	58,58,58,58	0
59	MG	AA	3033	1/1	0.91	0.17	41,41,41,41	0
59	MG	DA	4582	1/1	0.91	0.09	69,69,69,69	0
59	MG	DZ	105	1/1	0.91	0.08	54,54,54,54	0
59	MG	DW	102	1/1	0.91	0.14	37,37,37,37	0
59	MG	DA	4928	1/1	0.91	0.10	78,78,78,78	0
59	MG	CK	204	1/1	0.91	0.12	60,60,60,60	0
59	MG	CA	1773	1/1	0.91	0.11	45,45,45,45	0
59	MG	DA	4588	1/1	0.91	0.13	41,41,41,41	0
59	MG	DA	3816	1/1	0.91	0.10	89,89,89,89	0
59	MG	D4	102	1/1	0.91	0.12	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4029	1/1	0.91	0.15	80,80,80,80	0
59	MG	DA	3820	1/1	0.91	0.09	97,97,97,97	0
59	MG	DA	4193	1/1	0.91	0.45	78,78,78,78	0
59	MG	CA	1775	1/1	0.91	0.12	51,51,51,51	0
59	MG	AA	3560	1/1	0.91	0.14	37,37,37,37	0
59	MG	D7	104	1/1	0.91	0.10	47,47,47,47	0
59	MG	AA	3031	1/1	0.91	0.07	34,34,34,34	0
59	MG	DA	3492	1/1	0.91	0.17	53,53,53,53	0
59	MG	AA	3497	1/1	0.91	0.27	80,80,80,80	0
59	MG	AA	4095	1/1	0.91	0.07	58,58,58,58	0
59	MG	BA	2181	1/1	0.91	0.10	93,93,93,93	0
59	MG	DA	4216	1/1	0.91	0.09	52,52,52,52	0
59	MG	DA	4217	1/1	0.91	0.22	57,57,57,57	0
59	MG	BA	1807	1/1	0.92	0.14	63,63,63,63	0
59	MG	DA	4609	1/1	0.92	0.09	48,48,48,48	0
59	MG	CA	2053	1/1	0.92	0.09	74,74,74,74	0
59	MG	DA	3845	1/1	0.92	0.08	54,54,54,54	0
59	MG	DA	3846	1/1	0.92	0.11	64,64,64,64	0
59	MG	DA	4614	1/1	0.92	0.21	78,78,78,78	0
59	MG	DA	3199	1/1	0.92	0.20	29,29,29,29	0
59	MG	AA	3748	1/1	0.92	0.07	84,84,84,84	0
59	MG	DA	3518	1/1	0.92	0.10	65,65,65,65	0
59	MG	DA	4970	1/1	0.92	0.31	87,87,87,87	0
59	MG	CA	1733	1/1	0.92	0.28	55,55,55,55	0
59	MG	DA	3204	1/1	0.92	0.15	50,50,50,50	0
59	MG	BD	121	1/1	0.92	0.25	79,79,79,79	0
59	MG	DA	4626	1/1	0.92	0.16	56,56,56,56	0
59	MG	DA	3858	1/1	0.92	0.06	49,49,49,49	0
59	MG	DA	4255	1/1	0.92	0.22	54,54,54,54	0
59	MG	BA	2240	1/1	0.92	0.07	86,86,86,86	0
59	MG	DA	4983	1/1	0.92	0.10	53,53,53,53	0
59	MG	AA	3503	1/1	0.92	0.13	23,23,23,23	0
59	MG	DA	3862	1/1	0.92	0.11	71,71,71,71	0
59	MG	DA	4633	1/1	0.92	0.17	66,66,66,66	0
59	MG	DA	4260	1/1	0.92	0.12	56,56,56,56	0
59	MG	AA	3751	1/1	0.92	0.07	48,48,48,48	0
59	MG	DA	3210	1/1	0.92	0.15	32,32,32,32	0
59	MG	AA	3604	1/1	0.92	0.06	74,74,74,74	0
59	MG	DA	4639	1/1	0.92	0.11	75,75,75,75	0
59	MG	AA	3105	1/1	0.92	0.27	50,50,50,50	0
59	MG	AA	3178	1/1	0.92	0.15	41,41,41,41	0
59	MG	DA	4269	1/1	0.92	0.30	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3909	1/1	0.92	0.12	90,90,90,90	0
59	MG	BA	1925	1/1	0.92	0.06	55,55,55,55	0
59	MG	AA	3967	1/1	0.92	0.08	63,63,63,63	0
59	MG	DA	3221	1/1	0.92	0.17	43,43,43,43	0
59	MG	DA	4649	1/1	0.92	0.14	41,41,41,41	0
59	MG	BA	1718	1/1	0.92	0.11	43,43,43,43	0
59	MG	DA	3547	1/1	0.92	0.27	68,68,68,68	0
59	MG	DA	3548	1/1	0.92	0.12	58,58,58,58	0
59	MG	DA	4282	1/1	0.92	0.12	60,60,60,60	0
59	MG	CA	2072	1/1	0.92	0.10	48,48,48,48	0
59	MG	BA	1616	1/1	0.92	0.18	47,47,47,47	0
59	MG	DA	4658	1/1	0.92	0.08	76,76,76,76	0
59	MG	AA	3510	1/1	0.92	0.10	26,26,26,26	0
59	MG	DA	3239	1/1	0.92	0.28	37,37,37,37	0
59	MG	DA	5016	1/1	0.92	0.15	106,106,106,106	0
59	MG	DA	3240	1/1	0.92	0.14	32,32,32,32	0
59	MG	DA	5019	1/1	0.92	0.21	62,62,62,62	0
59	MG	AA	3512	1/1	0.92	0.06	31,31,31,31	0
59	MG	DA	3559	1/1	0.92	0.06	23,23,23,23	0
59	MG	AA	3860	1/1	0.92	0.12	83,83,83,83	0
59	MG	AA	3609	1/1	0.92	0.06	72,72,72,72	0
59	MG	DA	5028	1/1	0.92	0.09	66,66,66,66	0
59	MG	AA	3662	1/1	0.92	0.06	51,51,51,51	0
59	MG	AA	3759	1/1	0.92	0.06	59,59,59,59	0
59	MG	AA	3514	1/1	0.92	0.30	49,49,49,49	0
59	MG	DA	3911	1/1	0.92	0.06	115,115,115,115	0
59	MG	CA	2238	1/1	0.92	0.11	65,65,65,65	0
59	MG	AO	205	1/1	0.92	0.20	52,52,52,52	0
59	MG	BA	2155	1/1	0.92	0.14	71,71,71,71	0
59	MG	DA	3263	1/1	0.92	0.07	24,24,24,24	0
59	MG	DA	5040	1/1	0.92	0.14	90,90,90,90	0
59	MG	AA	3562	1/1	0.92	0.09	55,55,55,55	0
59	MG	AA	3132	1/1	0.92	0.28	44,44,44,44	0
59	MG	DA	4316	1/1	0.92	0.12	67,67,67,67	0
59	MG	BA	2050	1/1	0.92	0.08	85,85,85,85	0
59	MG	AA	3980	1/1	0.92	0.12	65,65,65,65	0
59	MG	CA	1935	1/1	0.92	0.08	45,45,45,45	0
59	MG	DA	3276	1/1	0.92	0.22	34,34,34,34	0
59	MG	DA	5052	1/1	0.92	0.09	49,49,49,49	0
59	MG	DA	3584	1/1	0.92	0.11	63,63,63,63	0
59	MG	CA	1936	1/1	0.92	0.07	55,55,55,55	0
59	MG	BA	1633	1/1	0.92	0.13	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1777	1/1	0.92	0.25	49,49,49,49	0
59	MG	DA	4694	1/1	0.92	0.09	56,56,56,56	0
59	MG	AA	3443	1/1	0.92	0.20	77,77,77,77	0
59	MG	CA	2102	1/1	0.92	0.09	57,57,57,57	0
59	MG	AA	3921	1/1	0.92	0.06	44,44,44,44	0
59	MG	AA	3619	1/1	0.92	0.07	64,64,64,64	0
59	MG	DA	5062	1/1	0.92	0.20	94,94,94,94	0
59	MG	CA	1781	1/1	0.92	0.12	45,45,45,45	0
59	MG	DA	4702	1/1	0.92	0.08	48,48,48,48	0
59	MG	DA	4340	1/1	0.92	0.19	60,60,60,60	0
59	MG	DA	3603	1/1	0.92	0.19	20,20,20,20	0
59	MG	BA	2056	1/1	0.92	0.14	69,69,69,69	0
59	MG	CA	1783	1/1	0.92	0.06	56,56,56,56	0
59	MG	DA	4347	1/1	0.92	0.10	58,58,58,58	0
59	MG	DA	4712	1/1	0.92	0.27	43,43,43,43	0
59	MG	CA	2259	1/1	0.92	0.12	67,67,67,67	0
59	MG	DA	3301	1/1	0.92	0.05	29,29,29,29	0
59	MG	DA	3608	1/1	0.92	0.16	60,60,60,60	0
59	MG	DA	3610	1/1	0.92	0.07	45,45,45,45	0
59	MG	DA	3307	1/1	0.92	0.17	59,59,59,59	0
59	MG	DA	4357	1/1	0.92	0.11	53,53,53,53	0
59	MG	CA	2260	1/1	0.92	0.11	67,67,67,67	0
59	MG	DA	4360	1/1	0.92	0.08	57,57,57,57	0
59	MG	BA	1838	1/1	0.92	0.07	91,91,91,91	0
59	MG	BA	1641	1/1	0.92	0.14	53,53,53,53	0
59	MG	DA	4727	1/1	0.92	0.08	69,69,69,69	0
59	MG	BA	2059	1/1	0.92	0.14	67,67,67,67	0
59	MG	BA	1745	1/1	0.92	0.13	38,38,38,38	0
59	MG	DA	4371	1/1	0.92	0.20	57,57,57,57	0
59	MG	BA	2061	1/1	0.92	0.21	70,70,70,70	0
59	MG	AA	4043	1/1	0.92	0.13	132,132,132,132	0
59	MG	BA	1749	1/1	0.92	0.06	30,30,30,30	0
59	MG	DA	3324	1/1	0.92	0.13	42,42,42,42	0
59	MG	DA	3985	1/1	0.92	0.21	81,81,81,81	0
59	MG	BA	1846	1/1	0.92	0.11	63,63,63,63	0
59	MG	DA	3625	1/1	0.92	0.21	19,19,19,19	0
59	MG	BA	2065	1/1	0.92	0.13	73,73,73,73	0
59	MG	AA	3057	1/1	0.92	0.18	49,49,49,49	0
59	MG	DA	3630	1/1	0.92	0.33	71,71,71,71	0
59	MG	CA	2274	1/1	0.92	0.07	54,54,54,54	0
59	MG	DA	4391	1/1	0.92	0.09	52,52,52,52	0
59	MG	DA	4748	1/1	0.92	0.12	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3524	1/1	0.92	0.13	50,50,50,50	0
59	MG	AA	3925	1/1	0.92	0.12	71,71,71,71	0
59	MG	DA	3335	1/1	0.92	0.09	32,32,32,32	0
59	MG	DA	4397	1/1	0.92	0.13	56,56,56,56	0
59	MG	DB	241	1/1	0.92	0.11	66,66,66,66	0
59	MG	CA	1959	1/1	0.92	0.19	56,56,56,56	0
59	MG	AB	215	1/1	0.92	0.07	70,70,70,70	0
59	MG	BA	1965	1/1	0.92	0.15	110,110,110,110	0
59	MG	AR	205	1/1	0.92	0.08	54,54,54,54	0
59	MG	DB	249	1/1	0.92	0.11	84,84,84,84	0
59	MG	CC	103	1/1	0.92	0.05	39,39,39,39	0
59	MG	AA	3771	1/1	0.92	0.41	79,79,79,79	0
59	MG	CA	2283	1/1	0.92	0.06	68,68,68,68	0
59	MG	AA	4113	1/1	0.92	0.11	92,92,92,92	0
59	MG	DA	4012	1/1	0.92	0.16	63,63,63,63	0
59	MG	DB	257	1/1	0.92	0.10	57,57,57,57	0
59	MG	AA	3075	1/1	0.92	0.07	33,33,33,33	0
59	MG	DA	4414	1/1	0.92	0.12	59,59,59,59	0
59	MG	DA	4415	1/1	0.92	0.09	74,74,74,74	0
59	MG	CC	110	1/1	0.92	0.12	71,71,71,71	0
59	MG	DA	4029	1/1	0.92	0.12	65,65,65,65	0
59	MG	DA	4775	1/1	0.92	0.30	86,86,86,86	0
59	MG	DA	4030	1/1	0.92	0.25	84,84,84,84	0
59	MG	CA	1639	1/1	0.92	0.11	43,43,43,43	0
59	MG	AA	3263	1/1	0.92	0.27	57,57,57,57	0
59	MG	CA	1642	1/1	0.92	0.05	25,25,25,25	0
59	MG	BA	1654	1/1	0.92	0.17	53,53,53,53	0
59	MG	DA	4423	1/1	0.92	0.21	73,73,73,73	0
59	MG	BA	1973	1/1	0.92	0.08	81,81,81,81	0
59	MG	CA	2133	1/1	0.92	0.12	67,67,67,67	0
59	MG	DB	275	1/1	0.92	0.10	50,50,50,50	0
59	MG	DA	4428	1/1	0.92	0.20	64,64,64,64	0
59	MG	DD	304	1/1	0.92	0.30	66,66,66,66	0
59	MG	CA	1816	1/1	0.92	0.09	86,86,86,86	0
59	MG	DA	3366	1/1	0.92	0.10	35,35,35,35	0
59	MG	AA	3930	1/1	0.92	0.29	46,46,46,46	0
59	MG	DD	311	1/1	0.92	0.16	65,65,65,65	0
59	MG	DA	4436	1/1	0.92	0.11	76,76,76,76	0
59	MG	DA	4789	1/1	0.92	0.12	46,46,46,46	0
59	MG	DA	4791	1/1	0.92	0.21	69,69,69,69	0
59	MG	DA	3667	1/1	0.92	0.20	74,74,74,74	0
59	MG	CA	2294	1/1	0.92	0.05	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3264	1/1	0.92	0.15	43,43,43,43	0
59	MG	CC	124	1/1	0.92	0.13	77,77,77,77	0
59	MG	DE	313	1/1	0.92	0.09	73,73,73,73	0
59	MG	DE	314	1/1	0.92	0.20	67,67,67,67	0
59	MG	AA	3359	1/1	0.92	0.06	48,48,48,48	0
59	MG	DA	4799	1/1	0.92	0.17	98,98,98,98	0
59	MG	CA	1821	1/1	0.92	0.06	51,51,51,51	0
59	MG	DA	3375	1/1	0.92	0.13	64,64,64,64	0
59	MG	CA	1824	1/1	0.92	0.11	102,102,102,102	0
59	MG	CA	1656	1/1	0.92	0.27	43,43,43,43	0
59	MG	CA	1985	1/1	0.92	0.13	61,61,61,61	0
59	MG	BA	2191	1/1	0.92	0.07	73,73,73,73	0
59	MG	DA	3388	1/1	0.92	0.09	33,33,33,33	0
59	MG	BA	1977	1/1	0.92	0.07	85,85,85,85	0
59	MG	DA	4458	1/1	0.92	0.09	51,51,51,51	0
59	MG	AA	3679	1/1	0.92	0.39	70,70,70,70	0
59	MG	CA	1829	1/1	0.92	0.06	61,61,61,61	0
59	MG	DA	3018	1/1	0.92	0.11	20,20,20,20	0
59	MG	DA	3394	1/1	0.92	0.20	43,43,43,43	0
59	MG	AA	3996	1/1	0.92	0.08	49,49,49,49	0
59	MG	DA	3701	1/1	0.92	0.18	10,10,10,10	0
59	MG	CA	1663	1/1	0.92	0.08	52,52,52,52	0
59	MG	CA	1995	1/1	0.92	0.06	48,48,48,48	0
59	MG	DA	4472	1/1	0.92	0.15	56,56,56,56	0
59	MG	DK	202	1/1	0.92	0.09	66,66,66,66	0
59	MG	AA	3727	1/1	0.92	0.23	54,54,54,54	0
59	MG	AA	3225	1/1	0.92	0.06	18,18,18,18	0
59	MG	CA	1999	1/1	0.92	0.10	63,63,63,63	0
59	MG	CA	1670	1/1	0.92	0.19	46,46,46,46	0
59	MG	DA	3405	1/1	0.92	0.16	43,43,43,43	0
59	MG	BA	1664	1/1	0.92	0.26	58,58,58,58	0
59	MG	DA	4087	1/1	0.92	0.15	45,45,45,45	0
59	MG	DA	4088	1/1	0.92	0.21	83,83,83,83	0
59	MG	DM	205	1/1	0.92	0.44	51,51,51,51	0
59	MG	AA	3450	1/1	0.92	0.12	59,59,59,59	0
59	MG	AA	3829	1/1	0.92	0.05	88,88,88,88	0
59	MG	DN	202	1/1	0.92	0.09	65,65,65,65	0
59	MG	AA	3008	1/1	0.92	0.17	31,31,31,31	0
59	MG	BA	1987	1/1	0.92	0.11	83,83,83,83	0
59	MG	DO	208	1/1	0.92	0.14	59,59,59,59	0
59	MG	BA	1669	1/1	0.92	0.17	32,32,32,32	0
59	MG	DA	3414	1/1	0.92	0.21	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1682	1/1	0.92	0.16	36,36,36,36	0
59	MG	AA	4127	1/1	0.92	0.07	52,52,52,52	0
59	MG	AA	3323	1/1	0.92	0.17	48,48,48,48	0
59	MG	AA	3887	1/1	0.92	0.19	70,70,70,70	0
59	MG	DA	3749	1/1	0.92	0.08	92,92,92,92	0
59	MG	BA	1777	1/1	0.92	0.17	57,57,57,57	0
59	MG	CA	1693	1/1	0.92	0.12	60,60,60,60	0
59	MG	AA	3734	1/1	0.92	0.15	49,49,49,49	0
59	MG	DA	4504	1/1	0.92	0.30	82,82,82,82	0
59	MG	AA	3387	1/1	0.92	0.19	40,40,40,40	0
59	MG	CA	1853	1/1	0.92	0.11	61,61,61,61	0
59	MG	BU	1601	1/1	0.92	0.09	56,56,56,56	0
59	MG	DA	3430	1/1	0.92	0.15	60,60,60,60	0
59	MG	DA	3120	1/1	0.92	0.13	57,57,57,57	0
59	MG	CF	303	1/1	0.92	0.09	79,79,79,79	0
59	MG	DA	3434	1/1	0.92	0.09	41,41,41,41	0
59	MG	DA	3435	1/1	0.92	0.14	49,49,49,49	0
59	MG	AA	3688	1/1	0.92	0.29	59,59,59,59	0
59	MG	DR	204	1/1	0.92	0.09	40,40,40,40	0
59	MG	AA	3454	1/1	0.92	0.21	67,67,67,67	0
59	MG	DA	4133	1/1	0.92	0.14	47,47,47,47	0
59	MG	D1	206	1/1	0.92	0.16	68,68,68,68	0
59	MG	AA	3435	1/1	0.92	0.12	69,69,69,69	0
59	MG	DA	3445	1/1	0.92	0.09	59,59,59,59	0
59	MG	DA	4524	1/1	0.92	0.14	50,50,50,50	0
59	MG	AA	3304	1/1	0.92	0.16	36,36,36,36	0
59	MG	AA	3081	1/1	0.92	0.06	61,61,61,61	0
59	MG	D2	204	1/1	0.92	0.10	51,51,51,51	0
59	MG	BA	1786	1/1	0.92	0.29	57,57,57,57	0
59	MG	BA	1685	1/1	0.92	0.09	45,45,45,45	0
59	MG	D2	209	1/1	0.92	0.25	74,74,74,74	0
59	MG	DA	3138	1/1	0.92	0.16	44,44,44,44	0
59	MG	DA	3781	1/1	0.92	0.07	73,73,73,73	0
59	MG	DA	4537	1/1	0.92	0.10	58,58,58,58	0
59	MG	DS	203	1/1	0.92	0.09	54,54,54,54	0
59	MG	AA	3234	1/1	0.92	0.13	54,54,54,54	0
59	MG	CA	1706	1/1	0.92	0.12	41,41,41,41	0
59	MG	AA	4076	1/1	0.92	0.09	113,113,113,113	0
59	MG	DA	4158	1/1	0.92	0.08	47,47,47,47	0
59	MG	DA	3457	1/1	0.92	0.28	76,76,76,76	0
59	MG	DA	3458	1/1	0.92	0.20	54,54,54,54	0
59	MG	DA	3459	1/1	0.92	0.10	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3025	1/1	0.92	0.29	38,38,38,38	0
59	MG	BA	2009	1/1	0.92	0.07	63,63,63,63	0
59	MG	DU	205	1/1	0.92	0.17	75,75,75,75	0
59	MG	CH	205	1/1	0.92	0.18	87,87,87,87	0
59	MG	AA	3551	1/1	0.92	0.11	44,44,44,44	0
59	MG	DA	3152	1/1	0.92	0.18	52,52,52,52	0
59	MG	DA	3468	1/1	0.92	0.16	49,49,49,49	0
59	MG	CA	1869	1/1	0.92	0.10	69,69,69,69	0
59	MG	BA	1694	1/1	0.92	0.20	47,47,47,47	0
59	MG	AA	4016	1/1	0.92	0.22	111,111,111,111	0
59	MG	DA	4569	1/1	0.92	0.09	37,37,37,37	0
59	MG	DA	3161	1/1	0.92	0.22	55,55,55,55	0
59	MG	A7	101	1/1	0.92	0.14	77,77,77,77	0
59	MG	DA	3163	1/1	0.92	0.12	39,39,39,39	0
59	MG	DA	4919	1/1	0.92	0.21	58,58,58,58	0
59	MG	DA	4920	1/1	0.92	0.10	61,61,61,61	0
59	MG	DA	4183	1/1	0.92	0.11	53,53,53,53	0
59	MG	BA	1902	1/1	0.92	0.24	71,71,71,71	0
59	MG	AD	313	1/1	0.92	0.09	39,39,39,39	0
59	MG	D3	105	1/1	0.92	0.18	48,48,48,48	0
59	MG	DA	3179	1/1	0.92	0.16	52,52,52,52	0
59	MG	DA	4926	1/1	0.92	0.06	46,46,46,46	0
59	MG	A7	103	1/1	0.92	0.10	45,45,45,45	0
59	MG	DZ	103	1/1	0.92	0.13	87,87,87,87	0
59	MG	BA	1799	1/1	0.92	0.09	55,55,55,55	0
59	MG	DA	3182	1/1	0.92	0.24	65,65,65,65	0
59	MG	DA	4932	1/1	0.92	0.15	69,69,69,69	0
59	MG	BA	1701	1/1	0.92	0.07	59,59,59,59	0
59	MG	DW	106	1/1	0.92	0.18	61,61,61,61	0
59	MG	DA	3491	1/1	0.92	0.14	78,78,78,78	0
59	MG	AA	3470	1/1	0.92	0.25	76,76,76,76	0
59	MG	DA	4937	1/1	0.92	0.12	78,78,78,78	0
59	MG	AA	3601	1/1	0.92	0.12	73,73,73,73	0
59	MG	DA	4209	1/1	0.92	0.30	83,83,83,83	0
59	MG	AA	3650	1/1	0.92	0.12	70,70,70,70	0
59	MG	DA	4944	1/1	0.92	0.12	56,56,56,56	0
59	MG	DA	4211	1/1	0.92	0.13	47,47,47,47	0
59	MG	DA	3499	1/1	0.92	0.14	70,70,70,70	0
59	MG	DA	3833	1/1	0.92	0.12	65,65,65,65	0
59	MG	CN	202	1/1	0.92	0.14	64,64,64,64	0
59	MG	D8	101	1/1	0.92	0.15	42,42,42,42	0
59	MG	CA	1727	1/1	0.92	0.20	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	1707	1/1	0.92	0.23	59,59,59,59	0
59	MG	DA	3839	1/1	0.92	0.09	54,54,54,54	0
59	MG	BA	1603	1/1	0.92	0.34	58,58,58,58	0
59	MG	DA	4232	1/1	0.92	0.29	68,68,68,68	0
59	MG	DA	3194	1/1	0.92	0.14	57,57,57,57	0
59	MG	DA	4229	1/1	0.93	0.13	48,48,48,48	0
59	MG	DA	4600	1/1	0.93	0.08	57,57,57,57	0
59	MG	DA	4230	1/1	0.93	0.14	41,41,41,41	0
59	MG	DA	4963	1/1	0.93	0.09	63,63,63,63	0
59	MG	DA	3526	1/1	0.93	0.07	46,46,46,46	0
59	MG	DA	3848	1/1	0.93	0.28	35,35,35,35	0
59	MG	DA	4233	1/1	0.93	0.28	69,69,69,69	0
59	MG	DA	4234	1/1	0.93	0.17	37,37,37,37	0
59	MG	BA	1636	1/1	0.93	0.22	44,44,44,44	0
59	MG	AA	3149	1/1	0.93	0.19	61,61,61,61	0
59	MG	DA	3853	1/1	0.93	0.08	71,71,71,71	0
59	MG	DA	4974	1/1	0.93	0.10	57,57,57,57	0
59	MG	DA	3854	1/1	0.93	0.16	72,72,72,72	0
59	MG	AA	3181	1/1	0.93	0.10	51,51,51,51	0
59	MG	DA	3533	1/1	0.93	0.15	47,47,47,47	0
59	MG	AA	3153	1/1	0.93	0.08	40,40,40,40	0
59	MG	BT	201	1/1	0.93	0.10	110,110,110,110	0
59	MG	AA	3529	1/1	0.93	0.07	29,29,29,29	0
59	MG	DA	3234	1/1	0.93	0.15	17,17,17,17	0
59	MG	DA	3540	1/1	0.93	0.08	74,74,74,74	0
59	MG	AA	3044	1/1	0.93	0.31	36,36,36,36	0
59	MG	BA	1980	1/1	0.93	0.06	102,102,102,102	0
59	MG	AA	3078	1/1	0.93	0.18	44,44,44,44	0
59	MG	AA	3268	1/1	0.93	0.31	60,60,60,60	0
59	MG	AA	3535	1/1	0.93	0.20	58,58,58,58	0
59	MG	AA	3987	1/1	0.93	0.09	54,54,54,54	0
59	MG	DA	3871	1/1	0.93	0.28	49,49,49,49	0
59	MG	BA	2094	1/1	0.93	0.06	50,50,50,50	0
59	MG	DA	4632	1/1	0.93	0.14	71,71,71,71	0
59	MG	DA	3248	1/1	0.93	0.30	70,70,70,70	0
59	MG	BA	2096	1/1	0.93	0.08	51,51,51,51	0
59	MG	CA	2225	1/1	0.93	0.14	70,70,70,70	0
59	MG	DA	4636	1/1	0.93	0.12	64,64,64,64	0
59	MG	AA	3412	1/1	0.93	0.07	30,30,30,30	0
59	MG	BA	1649	1/1	0.93	0.20	63,63,63,63	0
59	MG	CA	2054	1/1	0.93	0.04	62,62,62,62	0
59	MG	AA	3221	1/1	0.93	0.32	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1715	1/1	0.93	0.11	62,62,62,62	0
59	MG	DA	4278	1/1	0.93	0.10	62,62,62,62	0
59	MG	DA	3896	1/1	0.93	0.11	69,69,69,69	0
59	MG	DA	3569	1/1	0.93	0.05	21,21,21,21	0
59	MG	CA	1716	1/1	0.93	0.28	66,66,66,66	0
59	MG	DA	3901	1/1	0.93	0.14	30,30,30,30	0
59	MG	DA	3902	1/1	0.93	0.08	64,64,64,64	0
59	MG	DA	3903	1/1	0.93	0.19	42,42,42,42	0
59	MG	CA	2060	1/1	0.93	0.05	44,44,44,44	0
59	MG	AA	3539	1/1	0.93	0.05	50,50,50,50	0
59	MG	DA	4654	1/1	0.93	0.16	69,69,69,69	0
59	MG	DA	4289	1/1	0.93	0.21	53,53,53,53	0
59	MG	AA	3540	1/1	0.93	0.14	61,61,61,61	0
59	MG	AA	3613	1/1	0.93	0.11	84,84,84,84	0
59	MG	AA	3617	1/1	0.93	0.07	59,59,59,59	0
59	MG	CA	1721	1/1	0.93	0.11	39,39,39,39	0
59	MG	DA	5032	1/1	0.93	0.21	82,82,82,82	0
59	MG	CA	1895	1/1	0.93	0.07	58,58,58,58	0
59	MG	BA	1993	1/1	0.93	0.06	60,60,60,60	0
59	MG	CA	2240	1/1	0.93	0.14	70,70,70,70	0
59	MG	DA	4663	1/1	0.93	0.16	69,69,69,69	0
59	MG	BA	1767	1/1	0.93	0.14	50,50,50,50	0
59	MG	AA	3316	1/1	0.93	0.12	47,47,47,47	0
59	MG	BA	1657	1/1	0.93	0.26	63,63,63,63	0
59	MG	CB	101	1/1	0.93	0.24	64,64,64,64	0
59	MG	DA	5043	1/1	0.93	0.14	73,73,73,73	0
59	MG	DA	3294	1/1	0.93	0.10	28,28,28,28	0
59	MG	CA	1901	1/1	0.93	0.16	65,65,65,65	0
59	MG	DA	3594	1/1	0.93	0.06	49,49,49,49	0
59	MG	DA	4314	1/1	0.93	0.22	67,67,67,67	0
59	MG	AA	4160	1/1	0.93	0.08	74,74,74,74	0
59	MG	DA	3930	1/1	0.93	0.08	72,72,72,72	0
59	MG	CA	2074	1/1	0.93	0.05	61,61,61,61	0
59	MG	DA	4318	1/1	0.93	0.08	50,50,50,50	0
59	MG	DA	4319	1/1	0.93	0.24	67,67,67,67	0
59	MG	DA	3302	1/1	0.93	0.24	50,50,50,50	0
59	MG	DA	4684	1/1	0.93	0.14	36,36,36,36	0
59	MG	DA	3937	1/1	0.93	0.06	67,67,67,67	0
59	MG	DA	4322	1/1	0.93	0.12	65,65,65,65	0
59	MG	DA	3306	1/1	0.93	0.18	61,61,61,61	0
59	MG	DA	4326	1/1	0.93	0.17	56,56,56,56	0
59	MG	AA	3080	1/1	0.93	0.12	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4690	1/1	0.93	0.21	86,86,86,86	0
59	MG	AA	3018	1/1	0.93	0.15	22,22,22,22	0
59	MG	AA	3226	1/1	0.93	0.06	68,68,68,68	0
59	MG	DA	3947	1/1	0.93	0.05	72,72,72,72	0
59	MG	CA	1906	1/1	0.93	0.20	50,50,50,50	0
59	MG	AA	4164	1/1	0.93	0.09	80,80,80,80	0
59	MG	DA	5069	1/1	0.93	0.10	66,66,66,66	0
59	MG	DA	5071	1/1	0.93	0.13	101,101,101,101	0
59	MG	AA	3849	1/1	0.93	0.09	59,59,59,59	0
59	MG	DA	3951	1/1	0.93	0.09	136,136,136,136	0
59	MG	DA	3315	1/1	0.93	0.15	28,28,28,28	0
59	MG	AA	3366	1/1	0.93	0.09	53,53,53,53	0
59	MG	AA	3273	1/1	0.93	0.08	30,30,30,30	0
59	MG	CA	1740	1/1	0.93	0.20	48,48,48,48	0
59	MG	DA	3322	1/1	0.93	0.06	36,36,36,36	0
59	MG	DA	4707	1/1	0.93	0.26	86,86,86,86	0
59	MG	AA	3547	1/1	0.93	0.13	47,47,47,47	0
59	MG	DA	3960	1/1	0.93	0.07	54,54,54,54	0
59	MG	DA	3961	1/1	0.93	0.08	41,41,41,41	0
59	MG	CA	1742	1/1	0.93	0.10	40,40,40,40	0
59	MG	DA	3326	1/1	0.93	0.08	63,63,63,63	0
59	MG	BA	1779	1/1	0.93	0.14	45,45,45,45	0
59	MG	CA	2090	1/1	0.93	0.06	69,69,69,69	0
59	MG	AA	3780	1/1	0.93	0.08	69,69,69,69	0
59	MG	DA	3977	1/1	0.93	0.10	71,71,71,71	0
59	MG	DA	4362	1/1	0.93	0.27	74,74,74,74	0
59	MG	AA	3083	1/1	0.93	0.07	33,33,33,33	0
59	MG	CA	2095	1/1	0.93	0.09	64,64,64,64	0
59	MG	DA	4366	1/1	0.93	0.13	62,62,62,62	0
59	MG	AA	3549	1/1	0.93	0.12	44,44,44,44	0
59	MG	BA	2123	1/1	0.93	0.06	90,90,90,90	0
59	MG	DA	4370	1/1	0.93	0.22	74,74,74,74	0
59	MG	DA	3338	1/1	0.93	0.12	49,49,49,49	0
59	MG	BA	1893	1/1	0.93	0.07	54,54,54,54	0
59	MG	DA	3634	1/1	0.93	0.27	54,54,54,54	0
59	MG	BB	102	1/1	0.93	0.04	55,55,55,55	0
59	MG	DA	3986	1/1	0.93	0.16	51,51,51,51	0
59	MG	AA	3476	1/1	0.93	0.12	47,47,47,47	0
59	MG	DA	4736	1/1	0.93	0.20	77,77,77,77	0
59	MG	AA	3421	1/1	0.93	0.06	43,43,43,43	0
59	MG	BA	2015	1/1	0.93	0.08	71,71,71,71	0
59	MG	CA	1932	1/1	0.93	0.06	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4384	1/1	0.93	0.10	64,64,64,64	0
59	MG	DA	4385	1/1	0.93	0.09	55,55,55,55	0
59	MG	BA	2242	1/1	0.93	0.18	57,57,57,57	0
59	MG	DA	4387	1/1	0.93	0.07	57,57,57,57	0
59	MG	BA	2016	1/1	0.93	0.08	78,78,78,78	0
59	MG	AA	3932	1/1	0.93	0.11	56,56,56,56	0
59	MG	DB	250	1/1	0.93	0.08	74,74,74,74	0
59	MG	DA	4749	1/1	0.93	0.15	78,78,78,78	0
59	MG	AA	3086	1/1	0.93	0.22	35,35,35,35	0
59	MG	CC	117	1/1	0.93	0.06	45,45,45,45	0
59	MG	CA	2280	1/1	0.93	0.07	84,84,84,84	0
59	MG	BB	110	1/1	0.93	0.09	69,69,69,69	0
59	MG	CC	120	1/1	0.93	0.10	44,44,44,44	0
59	MG	AA	3126	1/1	0.93	0.12	58,58,58,58	0
59	MG	DB	259	1/1	0.93	0.07	69,69,69,69	0
59	MG	AA	3481	1/1	0.93	0.17	61,61,61,61	0
59	MG	AA	3425	1/1	0.93	0.08	44,44,44,44	0
59	MG	DA	3657	1/1	0.93	0.13	74,74,74,74	0
59	MG	AA	3130	1/1	0.93	0.15	24,24,24,24	0
59	MG	AA	3939	1/1	0.93	0.08	54,54,54,54	0
59	MG	DA	3660	1/1	0.93	0.09	46,46,46,46	0
59	MG	DA	4763	1/1	0.93	0.22	51,51,51,51	0
59	MG	A3	101	1/1	0.93	0.19	40,40,40,40	0
59	MG	DA	4027	1/1	0.93	0.08	59,59,59,59	0
59	MG	AA	3941	1/1	0.93	0.09	57,57,57,57	0
59	MG	BA	2255	1/1	0.93	0.07	61,61,61,61	0
59	MG	AA	3238	1/1	0.93	0.07	63,63,63,63	0
59	MG	BC	109	1/1	0.93	0.05	72,72,72,72	0
59	MG	BC	111	1/1	0.93	0.06	63,63,63,63	0
59	MG	DA	3379	1/1	0.93	0.12	36,36,36,36	0
59	MG	DD	301	1/1	0.93	0.21	45,45,45,45	0
59	MG	AA	3641	1/1	0.93	0.10	46,46,46,46	0
59	MG	DA	3015	1/1	0.93	0.14	30,30,30,30	0
59	MG	BA	2028	1/1	0.93	0.07	77,77,77,77	0
59	MG	DD	309	1/1	0.93	0.13	57,57,57,57	0
59	MG	DA	3019	1/1	0.93	0.27	20,20,20,20	0
59	MG	AA	3112	1/1	0.93	0.19	102,102,102,102	0
59	MG	DA	3677	1/1	0.93	0.14	78,78,78,78	0
59	MG	BA	2260	1/1	0.93	0.09	77,77,77,77	0
59	MG	DA	4043	1/1	0.93	0.14	82,82,82,82	0
59	MG	BA	1914	1/1	0.93	0.07	55,55,55,55	0
59	MG	DA	3042	1/1	0.93	0.10	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3044	1/1	0.93	0.20	18,18,18,18	0
59	MG	BA	1695	1/1	0.93	0.08	44,44,44,44	0
59	MG	AA	3722	1/1	0.93	0.06	50,50,50,50	0
59	MG	DA	4439	1/1	0.93	0.08	58,58,58,58	0
59	MG	CA	1787	1/1	0.93	0.09	59,59,59,59	0
59	MG	B1	103	1/1	0.93	0.25	67,67,67,67	0
59	MG	BA	1697	1/1	0.93	0.28	52,52,52,52	0
59	MG	DA	4446	1/1	0.93	0.10	54,54,54,54	0
59	MG	DA	3692	1/1	0.93	0.09	60,60,60,60	0
59	MG	DF	314	1/1	0.93	0.09	58,58,58,58	0
59	MG	AA	3135	1/1	0.93	0.12	19,19,19,19	0
59	MG	CA	1964	1/1	0.93	0.15	41,41,41,41	0
59	MG	DF	317	1/1	0.93	0.08	64,64,64,64	0
59	MG	AA	3645	1/1	0.93	0.22	46,46,46,46	0
59	MG	DA	4451	1/1	0.93	0.23	63,63,63,63	0
59	MG	CA	1967	1/1	0.93	0.16	56,56,56,56	0
59	MG	DA	3706	1/1	0.93	0.14	20,20,20,20	0
59	MG	DF	323	1/1	0.93	0.34	37,37,37,37	0
59	MG	DA	4806	1/1	0.93	0.09	59,59,59,59	0
59	MG	CA	2309	1/1	0.93	0.09	92,92,92,92	0
59	MG	DA	4067	1/1	0.93	0.06	39,39,39,39	0
59	MG	AA	3088	1/1	0.93	0.06	51,51,51,51	0
59	MG	DG	205	1/1	0.93	0.23	64,64,64,64	0
59	MG	AA	3201	1/1	0.93	0.12	71,71,71,71	0
59	MG	BA	1703	1/1	0.93	0.08	40,40,40,40	0
59	MG	CA	1611	1/1	0.93	0.09	39,39,39,39	0
59	MG	AA	3876	1/1	0.93	0.14	67,67,67,67	0
59	MG	AA	3141	1/1	0.93	0.27	66,66,66,66	0
59	MG	DA	4465	1/1	0.93	0.15	48,48,48,48	0
59	MG	AA	3170	1/1	0.93	0.16	32,32,32,32	0
59	MG	AA	3651	1/1	0.93	0.13	41,41,41,41	0
59	MG	DA	3116	1/1	0.93	0.14	63,63,63,63	0
59	MG	DA	3117	1/1	0.93	0.14	58,58,58,58	0
59	MG	CA	1623	1/1	0.93	0.21	49,49,49,49	0
59	MG	DA	3422	1/1	0.93	0.11	41,41,41,41	0
59	MG	CA	2319	1/1	0.93	0.20	60,60,60,60	0
59	MG	AA	3731	1/1	0.93	0.10	79,79,79,79	0
59	MG	AA	3385	1/1	0.93	0.20	34,34,34,34	0
59	MG	AA	3039	1/1	0.93	0.18	30,30,30,30	0
59	MG	CA	1807	1/1	0.93	0.08	63,63,63,63	0
59	MG	DA	3128	1/1	0.93	0.07	31,31,31,31	0
59	MG	DA	4102	1/1	0.93	0.11	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BE	302	1/1	0.93	0.09	59,59,59,59	0
59	MG	DO	205	1/1	0.93	0.21	52,52,52,52	0
59	MG	CA	2154	1/1	0.93	0.09	75,75,75,75	0
59	MG	DA	4841	1/1	0.93	0.19	80,80,80,80	0
59	MG	A8	103	1/1	0.93	0.19	62,62,62,62	0
59	MG	BA	1601	1/1	0.93	0.15	27,27,27,27	0
59	MG	DA	4844	1/1	0.93	0.17	58,58,58,58	0
59	MG	DA	4846	1/1	0.93	0.15	73,73,73,73	0
59	MG	AA	3209	1/1	0.93	0.21	77,77,77,77	0
59	MG	CA	1988	1/1	0.93	0.13	57,57,57,57	0
59	MG	DA	3759	1/1	0.93	0.07	84,84,84,84	0
59	MG	AA	3388	1/1	0.93	0.15	46,46,46,46	0
59	MG	D0	202	1/1	0.93	0.23	62,62,62,62	0
59	MG	BA	2165	1/1	0.93	0.06	61,61,61,61	0
59	MG	AA	3572	1/1	0.93	0.26	64,64,64,64	0
59	MG	DA	4498	1/1	0.93	0.06	82,82,82,82	0
59	MG	DA	4858	1/1	0.93	0.11	69,69,69,69	0
59	MG	DA	3448	1/1	0.93	0.18	40,40,40,40	0
59	MG	CA	1993	1/1	0.93	0.07	91,91,91,91	0
59	MG	DA	4124	1/1	0.93	0.06	58,58,58,58	0
59	MG	AA	3575	1/1	0.93	0.25	51,51,51,51	0
59	MG	AA	3090	1/1	0.93	0.12	42,42,42,42	0
59	MG	DA	3147	1/1	0.93	0.09	45,45,45,45	0
59	MG	BA	1719	1/1	0.93	0.08	43,43,43,43	0
59	MG	DA	4508	1/1	0.93	0.10	58,58,58,58	0
59	MG	BA	1823	1/1	0.93	0.07	84,84,84,84	0
59	MG	AA	3173	1/1	0.93	0.04	14,14,14,14	0
59	MG	BH	201	1/1	0.93	0.14	55,55,55,55	0
59	MG	DA	4134	1/1	0.93	0.14	34,34,34,34	0
59	MG	DA	3159	1/1	0.93	0.08	47,47,47,47	0
59	MG	D1	209	1/1	0.93	0.13	65,65,65,65	0
59	MG	DA	4515	1/1	0.93	0.11	60,60,60,60	0
59	MG	DA	3777	1/1	0.93	0.09	107,107,107,107	0
59	MG	D1	212	1/1	0.93	0.10	53,53,53,53	0
59	MG	CA	1649	1/1	0.93	0.06	47,47,47,47	0
59	MG	CA	1650	1/1	0.93	0.17	36,36,36,36	0
59	MG	DA	3463	1/1	0.93	0.24	61,61,61,61	0
59	MG	DA	4147	1/1	0.93	0.16	42,42,42,42	0
59	MG	AA	3663	1/1	0.93	0.15	61,61,61,61	0
59	MG	BA	1947	1/1	0.93	0.14	53,53,53,53	0
59	MG	AA	3174	1/1	0.93	0.15	63,63,63,63	0
59	MG	DA	3171	1/1	0.93	0.20	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3506	1/1	0.93	0.14	27,27,27,27	0
59	MG	DA	4530	1/1	0.93	0.10	72,72,72,72	0
59	MG	DS	205	1/1	0.93	0.13	58,58,58,58	0
59	MG	DS	206	1/1	0.93	0.15	60,60,60,60	0
59	MG	DA	3176	1/1	0.93	0.14	39,39,39,39	0
59	MG	DS	208	1/1	0.93	0.20	54,54,54,54	0
59	MG	CH	206	1/1	0.93	0.07	70,70,70,70	0
59	MG	DA	4894	1/1	0.93	0.15	63,63,63,63	0
59	MG	AA	3396	1/1	0.93	0.12	58,58,58,58	0
59	MG	DA	4536	1/1	0.93	0.09	64,64,64,64	0
59	MG	DA	3477	1/1	0.93	0.17	171,171,171,171	0
59	MG	BA	1618	1/1	0.93	0.08	34,34,34,34	0
59	MG	DA	4899	1/1	0.93	0.08	65,65,65,65	0
59	MG	CA	1839	1/1	0.93	0.07	55,55,55,55	0
59	MG	DA	3807	1/1	0.93	0.09	59,59,59,59	0
59	MG	DA	4542	1/1	0.93	0.17	37,37,37,37	0
59	MG	DA	4543	1/1	0.93	0.09	60,60,60,60	0
59	MG	AA	3091	1/1	0.93	0.34	59,59,59,59	0
59	MG	CA	2183	1/1	0.93	0.06	62,62,62,62	0
59	MG	DA	4548	1/1	0.93	0.07	53,53,53,53	0
59	MG	DU	214	1/1	0.93	0.08	62,62,62,62	0
59	MG	DA	4171	1/1	0.93	0.09	45,45,45,45	0
59	MG	AA	3969	1/1	0.93	0.09	60,60,60,60	0
59	MG	CK	206	1/1	0.93	0.22	62,62,62,62	0
59	MG	DA	4553	1/1	0.93	0.09	69,69,69,69	0
59	MG	BA	1833	1/1	0.93	0.13	71,71,71,71	0
59	MG	DA	4556	1/1	0.93	0.11	41,41,41,41	0
59	MG	CA	1669	1/1	0.93	0.10	40,40,40,40	0
59	MG	BA	1958	1/1	0.93	0.05	80,80,80,80	0
59	MG	DA	4560	1/1	0.93	0.14	61,61,61,61	0
59	MG	BA	1728	1/1	0.93	0.11	47,47,47,47	0
59	MG	D3	104	1/1	0.93	0.13	32,32,32,32	0
59	MG	AA	4048	1/1	0.93	0.07	93,93,93,93	0
59	MG	DA	3822	1/1	0.93	0.16	55,55,55,55	0
59	MG	AA	3970	1/1	0.93	0.09	47,47,47,47	0
59	MG	DA	3494	1/1	0.93	0.22	59,59,59,59	0
59	MG	AA	4050	1/1	0.93	0.09	70,70,70,70	0
59	MG	AA	3299	1/1	0.93	0.16	82,82,82,82	0
59	MG	DA	4930	1/1	0.93	0.17	73,73,73,73	0
59	MG	AA	3256	1/1	0.93	0.22	62,62,62,62	0
59	MG	DW	104	1/1	0.93	0.25	49,49,49,49	0
59	MG	DA	3201	1/1	0.93	0.15	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4199	1/1	0.93	0.15	48,48,48,48	0
59	MG	DW	107	1/1	0.93	0.18	70,70,70,70	0
59	MG	DA	3202	1/1	0.93	0.14	37,37,37,37	0
59	MG	AA	3257	1/1	0.93	0.11	36,36,36,36	0
59	MG	CA	2195	1/1	0.93	0.12	76,76,76,76	0
59	MG	CA	1683	1/1	0.93	0.15	47,47,47,47	0
59	MG	AA	3214	1/1	0.93	0.09	56,56,56,56	0
59	MG	DA	4581	1/1	0.93	0.10	55,55,55,55	0
59	MG	AA	3049	1/1	0.93	0.08	48,48,48,48	0
59	MG	D6	102	1/1	0.93	0.07	45,45,45,45	0
59	MG	CA	1687	1/1	0.93	0.14	46,46,46,46	0
59	MG	DA	3840	1/1	0.93	0.09	58,58,58,58	0
59	MG	D7	103	1/1	0.93	0.07	45,45,45,45	0
59	MG	DA	4212	1/1	0.93	0.16	54,54,54,54	0
59	MG	DA	4589	1/1	0.93	0.29	58,58,58,58	0
59	MG	DA	3209	1/1	0.93	0.14	33,33,33,33	0
59	MG	AA	3597	1/1	0.93	0.22	63,63,63,63	0
59	MG	BA	1849	1/1	0.93	0.05	74,74,74,74	0
59	MG	BS	102	1/1	0.93	0.06	69,69,69,69	0
59	MG	DA	4596	1/1	0.93	0.13	63,63,63,63	0
59	MG	AA	4058	1/1	0.93	0.10	63,63,63,63	0
59	MG	AA	3523	1/1	0.93	0.16	42,42,42,42	0
59	MG	DA	4356	1/1	0.94	0.26	76,76,76,76	0
59	MG	DA	3719	1/1	0.94	0.13	29,29,29,29	0
59	MG	DA	4028	1/1	0.94	0.11	48,48,48,48	0
59	MG	DA	3720	1/1	0.94	0.10	46,46,46,46	0
59	MG	CA	1731	1/1	0.94	0.07	56,56,56,56	0
59	MG	AA	3815	1/1	0.94	0.10	61,61,61,61	0
59	MG	DA	3725	1/1	0.94	0.08	22,22,22,22	0
59	MG	DA	5017	1/1	0.94	0.08	55,55,55,55	0
59	MG	AA	3040	1/1	0.94	0.12	37,37,37,37	0
59	MG	DA	3729	1/1	0.94	0.15	52,52,52,52	0
59	MG	DA	3730	1/1	0.94	0.18	47,47,47,47	0
59	MG	CA	1735	1/1	0.94	0.10	42,42,42,42	0
59	MG	CA	2147	1/1	0.94	0.16	69,69,69,69	0
59	MG	A8	104	1/1	0.94	0.09	68,68,68,68	0
59	MG	DA	3220	1/1	0.94	0.13	37,37,37,37	0
59	MG	DA	3738	1/1	0.94	0.08	45,45,45,45	0
59	MG	AA	3703	1/1	0.94	0.06	51,51,51,51	0
59	MG	DA	3226	1/1	0.94	0.22	44,44,44,44	0
59	MG	DA	4697	1/1	0.94	0.09	76,76,76,76	0
59	MG	BA	1602	1/1	0.94	0.12	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3162	1/1	0.94	0.14	48,48,48,48	0
59	MG	DA	4382	1/1	0.94	0.19	67,67,67,67	0
59	MG	DA	4046	1/1	0.94	0.07	52,52,52,52	0
59	MG	DA	3470	1/1	0.94	0.14	52,52,52,52	0
59	MG	DA	3471	1/1	0.94	0.09	27,27,27,27	0
59	MG	BA	1790	1/1	0.94	0.07	56,56,56,56	0
59	MG	AA	3203	1/1	0.94	0.16	40,40,40,40	0
59	MG	BA	1889	1/1	0.94	0.04	37,37,37,37	0
59	MG	AA	3706	1/1	0.94	0.08	44,44,44,44	0
59	MG	AA	3123	1/1	0.94	0.14	47,47,47,47	0
59	MG	DA	4392	1/1	0.94	0.06	52,52,52,52	0
59	MG	DA	3241	1/1	0.94	0.12	20,20,20,20	0
59	MG	DA	4715	1/1	0.94	0.25	58,58,58,58	0
59	MG	DA	4056	1/1	0.94	0.16	62,62,62,62	0
59	MG	DA	4057	1/1	0.94	0.11	87,87,87,87	0
59	MG	AA	4145	1/1	0.94	0.08	77,77,77,77	0
59	MG	CA	2158	1/1	0.94	0.09	58,58,58,58	0
59	MG	DA	4061	1/1	0.94	0.07	54,54,54,54	0
59	MG	BA	1609	1/1	0.94	0.09	36,36,36,36	0
59	MG	DA	3760	1/1	0.94	0.13	78,78,78,78	0
59	MG	AA	3648	1/1	0.94	0.15	43,43,43,43	0
59	MG	BA	1895	1/1	0.94	0.19	54,54,54,54	0
59	MG	CA	2026	1/1	0.94	0.07	69,69,69,69	0
59	MG	DA	4070	1/1	0.94	0.09	45,45,45,45	0
59	MG	DA	3256	1/1	0.94	0.22	50,50,50,50	0
59	MG	AA	3322	1/1	0.94	0.05	58,58,58,58	0
59	MG	DA	4075	1/1	0.94	0.05	25,25,25,25	0
59	MG	AA	3401	1/1	0.94	0.32	46,46,46,46	0
59	MG	CC	108	1/1	0.94	0.06	57,57,57,57	0
59	MG	DA	3261	1/1	0.94	0.13	34,34,34,34	0
59	MG	DA	3495	1/1	0.94	0.09	51,51,51,51	0
59	MG	DA	3496	1/1	0.94	0.06	47,47,47,47	0
59	MG	DA	4738	1/1	0.94	0.08	55,55,55,55	0
59	MG	AA	3184	1/1	0.94	0.26	49,49,49,49	0
59	MG	DA	5075	1/1	0.94	0.13	50,50,50,50	0
59	MG	AA	3207	1/1	0.94	0.10	30,30,30,30	0
59	MG	AA	3953	1/1	0.94	0.14	60,60,60,60	0
59	MG	AA	3082	1/1	0.94	0.11	48,48,48,48	0
59	MG	DA	4743	1/1	0.94	0.17	96,96,96,96	0
59	MG	DB	205	1/1	0.94	0.13	27,27,27,27	0
59	MG	DA	4089	1/1	0.94	0.06	63,63,63,63	0
59	MG	DA	3779	1/1	0.94	0.11	155,155,155,155	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4427	1/1	0.94	0.07	53,53,53,53	0
59	MG	DA	4747	1/1	0.94	0.34	71,71,71,71	0
59	MG	CA	1762	1/1	0.94	0.07	49,49,49,49	0
59	MG	BA	2194	1/1	0.94	0.11	40,40,40,40	0
59	MG	DA	4097	1/1	0.94	0.10	64,64,64,64	0
59	MG	DA	4098	1/1	0.94	0.05	43,43,43,43	0
59	MG	DA	3506	1/1	0.94	0.10	46,46,46,46	0
59	MG	AA	4085	1/1	0.94	0.04	60,60,60,60	0
59	MG	DA	3790	1/1	0.94	0.19	66,66,66,66	0
59	MG	BA	1622	1/1	0.94	0.08	64,64,64,64	0
59	MG	DA	3510	1/1	0.94	0.29	56,56,56,56	0
59	MG	DB	222	1/1	0.94	0.19	43,43,43,43	0
59	MG	DB	223	1/1	0.94	0.07	58,58,58,58	0
59	MG	DA	3511	1/1	0.94	0.17	42,42,42,42	0
59	MG	AA	3328	1/1	0.94	0.18	32,32,32,32	0
59	MG	CA	1627	1/1	0.94	0.17	49,49,49,49	0
59	MG	AA	3329	1/1	0.94	0.10	66,66,66,66	0
59	MG	DA	4113	1/1	0.94	0.05	45,45,45,45	0
59	MG	DA	3516	1/1	0.94	0.10	53,53,53,53	0
59	MG	CA	1908	1/1	0.94	0.14	61,61,61,61	0
59	MG	CA	1909	1/1	0.94	0.25	69,69,69,69	0
59	MG	CA	1629	1/1	0.94	0.17	34,34,34,34	0
59	MG	DA	4119	1/1	0.94	0.06	47,47,47,47	0
59	MG	CA	1630	1/1	0.94	0.11	52,52,52,52	0
59	MG	DB	236	1/1	0.94	0.08	49,49,49,49	0
59	MG	DB	237	1/1	0.94	0.08	57,57,57,57	0
59	MG	AA	3832	1/1	0.94	0.11	63,63,63,63	0
59	MG	DA	4457	1/1	0.94	0.12	75,75,75,75	0
59	MG	DA	3289	1/1	0.94	0.09	27,27,27,27	0
59	MG	DA	4459	1/1	0.94	0.27	35,35,35,35	0
59	MG	CA	1776	1/1	0.94	0.34	62,62,62,62	0
59	MG	DA	3291	1/1	0.94	0.28	59,59,59,59	0
59	MG	DA	4126	1/1	0.94	0.20	57,57,57,57	0
59	MG	AA	3013	1/1	0.94	0.17	49,49,49,49	0
59	MG	DA	3296	1/1	0.94	0.07	19,19,19,19	0
59	MG	DA	3531	1/1	0.94	0.12	53,53,53,53	0
59	MG	AA	3331	1/1	0.94	0.15	41,41,41,41	0
59	MG	AA	3295	1/1	0.94	0.11	62,62,62,62	0
59	MG	AA	3720	1/1	0.94	0.25	52,52,52,52	0
59	MG	AA	3333	1/1	0.94	0.21	59,59,59,59	0
59	MG	DA	4135	1/1	0.94	0.24	59,59,59,59	0
59	MG	DA	3303	1/1	0.94	0.21	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4790	1/1	0.94	0.10	53,53,53,53	0
59	MG	DA	4476	1/1	0.94	0.10	64,64,64,64	0
59	MG	DA	3305	1/1	0.94	0.11	21,21,21,21	0
59	MG	CA	2055	1/1	0.94	0.13	60,60,60,60	0
59	MG	AA	3188	1/1	0.94	0.15	52,52,52,52	0
59	MG	AA	4165	1/1	0.94	0.12	64,64,64,64	0
59	MG	CA	2058	1/1	0.94	0.20	73,73,73,73	0
59	MG	BA	1634	1/1	0.94	0.17	37,37,37,37	0
59	MG	DA	4800	1/1	0.94	0.10	49,49,49,49	0
59	MG	AA	3267	1/1	0.94	0.09	49,49,49,49	0
59	MG	DA	3022	1/1	0.94	0.15	12,12,12,12	0
59	MG	DB	270	1/1	0.94	0.06	61,61,61,61	0
59	MG	CA	2196	1/1	0.94	0.10	62,62,62,62	0
59	MG	DA	4153	1/1	0.94	0.23	48,48,48,48	0
59	MG	AA	3085	1/1	0.94	0.07	29,29,29,29	0
59	MG	DA	3026	1/1	0.94	0.17	17,17,17,17	0
59	MG	DA	4808	1/1	0.94	0.16	61,61,61,61	0
59	MG	DA	4156	1/1	0.94	0.08	47,47,47,47	0
59	MG	DA	3557	1/1	0.94	0.15	55,55,55,55	0
59	MG	BA	2210	1/1	0.94	0.06	78,78,78,78	0
59	MG	DD	305	1/1	0.94	0.28	78,78,78,78	0
59	MG	AA	3241	1/1	0.94	0.19	59,59,59,59	0
59	MG	CG	305	1/1	0.94	0.06	80,80,80,80	0
59	MG	DA	4163	1/1	0.94	0.13	55,55,55,55	0
59	MG	CA	1931	1/1	0.94	0.16	64,64,64,64	0
59	MG	AB	206	1/1	0.94	0.14	76,76,76,76	0
59	MG	DD	312	1/1	0.94	0.06	37,37,37,37	0
59	MG	DA	3074	1/1	0.94	0.11	22,22,22,22	0
59	MG	BA	2116	1/1	0.94	0.04	54,54,54,54	0
59	MG	DA	4169	1/1	0.94	0.16	71,71,71,71	0
59	MG	DA	4506	1/1	0.94	0.23	65,65,65,65	0
59	MG	DA	4170	1/1	0.94	0.21	46,46,46,46	0
59	MG	DE	310	1/1	0.94	0.05	52,52,52,52	0
59	MG	DA	3082	1/1	0.94	0.14	27,27,27,27	0
59	MG	DA	3850	1/1	0.94	0.10	51,51,51,51	0
59	MG	DA	4830	1/1	0.94	0.08	64,64,64,64	0
59	MG	CA	1652	1/1	0.94	0.16	39,39,39,39	0
59	MG	DE	315	1/1	0.94	0.13	77,77,77,77	0
59	MG	DF	304	1/1	0.94	0.10	29,29,29,29	0
59	MG	CA	1653	1/1	0.94	0.17	47,47,47,47	0
59	MG	DF	307	1/1	0.94	0.11	27,27,27,27	0
59	MG	BA	1730	1/1	0.94	0.10	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DF	310	1/1	0.94	0.11	49,49,49,49	0
59	MG	DA	4178	1/1	0.94	0.25	61,61,61,61	0
59	MG	DA	3336	1/1	0.94	0.07	36,36,36,36	0
59	MG	DA	3097	1/1	0.94	0.09	21,21,21,21	0
59	MG	BA	1731	1/1	0.94	0.24	46,46,46,46	0
59	MG	CH	201	1/1	0.94	0.30	55,55,55,55	0
59	MG	DA	3579	1/1	0.94	0.17	21,21,21,21	0
59	MG	BS	107	1/1	0.94	0.10	90,90,90,90	0
59	MG	AA	4098	1/1	0.94	0.09	83,83,83,83	0
59	MG	AR	202	1/1	0.94	0.07	64,64,64,64	0
59	MG	DA	4187	1/1	0.94	0.09	46,46,46,46	0
59	MG	BA	2121	1/1	0.94	0.24	84,84,84,84	0
59	MG	DA	4190	1/1	0.94	0.10	70,70,70,70	0
59	MG	DA	4529	1/1	0.94	0.13	75,75,75,75	0
59	MG	CA	2215	1/1	0.94	0.06	63,63,63,63	0
59	MG	DG	202	1/1	0.94	0.06	47,47,47,47	0
59	MG	DA	4195	1/1	0.94	0.29	66,66,66,66	0
59	MG	DA	3110	1/1	0.94	0.05	35,35,35,35	0
59	MG	AA	3190	1/1	0.94	0.12	26,26,26,26	0
59	MG	CA	1664	1/1	0.94	0.06	22,22,22,22	0
59	MG	CK	202	1/1	0.94	0.11	79,79,79,79	0
59	MG	DA	4204	1/1	0.94	0.16	45,45,45,45	0
59	MG	AA	3558	1/1	0.94	0.06	50,50,50,50	0
59	MG	AA	3671	1/1	0.94	0.16	102,102,102,102	0
59	MG	BA	2031	1/1	0.94	0.06	71,71,71,71	0
59	MG	BA	2223	1/1	0.94	0.06	71,71,71,71	0
59	MG	DA	3357	1/1	0.94	0.13	59,59,59,59	0
59	MG	DA	3880	1/1	0.94	0.21	44,44,44,44	0
59	MG	DA	4214	1/1	0.94	0.11	50,50,50,50	0
59	MG	DA	3359	1/1	0.94	0.17	43,43,43,43	0
59	MG	DA	3882	1/1	0.94	0.23	43,43,43,43	0
59	MG	AA	3615	1/1	0.94	0.06	47,47,47,47	0
59	MG	DM	203	1/1	0.94	0.19	59,59,59,59	0
59	MG	AA	3730	1/1	0.94	0.06	58,58,58,58	0
59	MG	AA	3019	1/1	0.94	0.23	31,31,31,31	0
59	MG	DA	4875	1/1	0.94	0.08	88,88,88,88	0
59	MG	DA	3892	1/1	0.94	0.23	46,46,46,46	0
59	MG	DA	4227	1/1	0.94	0.06	51,51,51,51	0
59	MG	DA	4878	1/1	0.94	0.13	50,50,50,50	0
59	MG	DA	3123	1/1	0.94	0.31	65,65,65,65	0
59	MG	AA	3154	1/1	0.94	0.17	59,59,59,59	0
59	MG	BA	1746	1/1	0.94	0.08	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	2089	1/1	0.94	0.14	63,63,63,63	0
59	MG	AA	3131	1/1	0.94	0.13	34,34,34,34	0
59	MG	DA	3131	1/1	0.94	0.08	32,32,32,32	0
59	MG	DA	4235	1/1	0.94	0.06	44,44,44,44	0
59	MG	DA	4887	1/1	0.94	0.15	87,87,87,87	0
59	MG	BA	2132	1/1	0.94	0.06	87,87,87,87	0
59	MG	DA	4889	1/1	0.94	0.25	75,75,75,75	0
59	MG	DA	3376	1/1	0.94	0.05	18,18,18,18	0
59	MG	CP	202	1/1	0.94	0.16	63,63,63,63	0
59	MG	DA	3378	1/1	0.94	0.24	55,55,55,55	0
59	MG	AA	3274	1/1	0.94	0.33	70,70,70,70	0
59	MG	DA	3380	1/1	0.94	0.09	55,55,55,55	0
59	MG	CQ	102	1/1	0.94	0.07	51,51,51,51	0
59	MG	D0	207	1/1	0.94	0.11	58,58,58,58	0
59	MG	BD	104	1/1	0.94	0.22	51,51,51,51	0
59	MG	AA	3853	1/1	0.94	0.07	55,55,55,55	0
59	MG	DA	3627	1/1	0.94	0.07	40,40,40,40	0
59	MG	DA	3386	1/1	0.94	0.31	69,69,69,69	0
59	MG	DA	3629	1/1	0.94	0.06	29,29,29,29	0
59	MG	DQ	202	1/1	0.94	0.07	42,42,42,42	0
59	MG	DA	4583	1/1	0.94	0.16	51,51,51,51	0
59	MG	CR	102	1/1	0.94	0.11	43,43,43,43	0
59	MG	DA	3917	1/1	0.94	0.14	77,77,77,77	0
59	MG	DA	3631	1/1	0.94	0.16	60,60,60,60	0
59	MG	BA	2135	1/1	0.94	0.07	77,77,77,77	0
59	MG	DA	3636	1/1	0.94	0.07	46,46,46,46	0
59	MG	D1	205	1/1	0.94	0.12	55,55,55,55	0
59	MG	DA	3923	1/1	0.94	0.12	70,70,70,70	0
59	MG	CA	1689	1/1	0.94	0.13	58,58,58,58	0
59	MG	DA	3926	1/1	0.94	0.18	49,49,49,49	0
59	MG	AA	3247	1/1	0.94	0.10	47,47,47,47	0
59	MG	CS	103	1/1	0.94	0.12	74,74,74,74	0
59	MG	AA	3624	1/1	0.94	0.23	38,38,38,38	0
59	MG	DA	4271	1/1	0.94	0.34	53,53,53,53	0
59	MG	DA	3148	1/1	0.94	0.31	67,67,67,67	0
59	MG	DA	4274	1/1	0.94	0.07	41,41,41,41	0
59	MG	D2	205	1/1	0.94	0.14	84,84,84,84	0
59	MG	D2	206	1/1	0.94	0.17	55,55,55,55	0
59	MG	DA	3642	1/1	0.94	0.09	42,42,42,42	0
59	MG	AA	3384	1/1	0.94	0.25	47,47,47,47	0
59	MG	BA	2139	1/1	0.94	0.06	82,82,82,82	0
59	MG	DA	3944	1/1	0.94	0.07	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3682	1/1	0.94	0.13	75,75,75,75	0
59	MG	DA	3156	1/1	0.94	0.14	27,27,27,27	0
59	MG	DA	4608	1/1	0.94	0.09	47,47,47,47	0
59	MG	DA	3648	1/1	0.94	0.14	51,51,51,51	0
59	MG	BA	2239	1/1	0.94	0.15	63,63,63,63	0
59	MG	AA	4047	1/1	0.94	0.05	59,59,59,59	0
59	MG	CA	1973	1/1	0.94	0.12	65,65,65,65	0
59	MG	AA	3069	1/1	0.94	0.14	29,29,29,29	0
59	MG	BA	1953	1/1	0.94	0.11	68,68,68,68	0
59	MG	DA	4939	1/1	0.94	0.19	57,57,57,57	0
59	MG	AA	3859	1/1	0.94	0.08	80,80,80,80	0
59	MG	DA	3166	1/1	0.94	0.19	56,56,56,56	0
59	MG	DA	4942	1/1	0.94	0.08	82,82,82,82	0
59	MG	AA	3800	1/1	0.94	0.11	55,55,55,55	0
59	MG	BA	1850	1/1	0.94	0.06	90,90,90,90	0
59	MG	DA	3413	1/1	0.94	0.23	45,45,45,45	0
59	MG	DA	4624	1/1	0.94	0.10	68,68,68,68	0
59	MG	DA	4625	1/1	0.94	0.17	67,67,67,67	0
59	MG	AA	3521	1/1	0.94	0.06	32,32,32,32	0
59	MG	DA	3173	1/1	0.94	0.11	36,36,36,36	0
59	MG	AA	3629	1/1	0.94	0.21	45,45,45,45	0
59	MG	AA	3469	1/1	0.94	0.12	42,42,42,42	0
59	MG	AV	301	1/1	0.94	0.09	67,67,67,67	0
59	MG	AA	3021	1/1	0.94	0.14	26,26,26,26	0
59	MG	BA	1764	1/1	0.94	0.05	50,50,50,50	0
59	MG	AA	3525	1/1	0.94	0.06	36,36,36,36	0
59	MG	DA	4309	1/1	0.94	0.06	36,36,36,36	0
59	MG	AA	3106	1/1	0.94	0.17	17,17,17,17	0
59	MG	DA	4311	1/1	0.94	0.32	83,83,83,83	0
59	MG	DA	3424	1/1	0.94	0.04	47,47,47,47	0
59	MG	BA	1671	1/1	0.94	0.21	50,50,50,50	0
59	MG	DA	3426	1/1	0.94	0.26	39,39,39,39	0
59	MG	CA	1989	1/1	0.94	0.17	60,60,60,60	0
59	MG	DA	3675	1/1	0.94	0.12	44,44,44,44	0
59	MG	AA	3867	1/1	0.94	0.07	41,41,41,41	0
59	MG	DA	3429	1/1	0.94	0.16	30,30,30,30	0
59	MG	AA	3472	1/1	0.94	0.12	59,59,59,59	0
59	MG	DA	3987	1/1	0.94	0.08	53,53,53,53	0
59	MG	AA	3140	1/1	0.94	0.16	57,57,57,57	0
59	MG	AA	3581	1/1	0.94	0.06	55,55,55,55	0
59	MG	CA	2265	1/1	0.94	0.10	64,64,64,64	0
59	MG	DA	4651	1/1	0.94	0.07	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3582	1/1	0.94	0.08	54,54,54,54	0
59	MG	AA	4063	1/1	0.94	0.10	75,75,75,75	0
59	MG	AA	3391	1/1	0.94	0.14	39,39,39,39	0
59	MG	DA	4330	1/1	0.94	0.08	56,56,56,56	0
59	MG	AA	3430	1/1	0.94	0.06	81,81,81,81	0
59	MG	AA	3072	1/1	0.94	0.17	21,21,21,21	0
59	MG	CA	2271	1/1	0.94	0.09	55,55,55,55	0
59	MG	DA	4990	1/1	0.94	0.24	70,70,70,70	0
59	MG	AA	3938	1/1	0.94	0.16	76,76,76,76	0
59	MG	DA	4003	1/1	0.94	0.12	39,39,39,39	0
59	MG	AA	3222	1/1	0.94	0.11	28,28,28,28	0
59	MG	AA	3940	1/1	0.94	0.21	61,61,61,61	0
59	MG	AD	311	1/1	0.94	0.09	54,54,54,54	0
59	MG	DA	3708	1/1	0.94	0.17	9,9,9,9	0
59	MG	DA	3710	1/1	0.94	0.15	14,14,14,14	0
59	MG	BA	1691	1/1	0.94	0.06	65,65,65,65	0
59	MG	DA	5000	1/1	0.94	0.09	71,71,71,71	0
59	MG	DA	3712	1/1	0.94	0.11	25,25,25,25	0
59	MG	DA	4670	1/1	0.94	0.20	61,61,61,61	0
59	MG	BA	1692	1/1	0.94	0.15	34,34,34,34	0
59	MG	DA	4351	1/1	0.94	0.10	43,43,43,43	0
59	MG	CA	2141	1/1	0.94	0.08	60,60,60,60	0
59	MG	BA	2074	1/1	0.94	0.29	77,77,77,77	0
59	MG	DA	4026	1/1	0.94	0.08	55,55,55,55	0
59	MG	DA	5023	1/1	0.95	0.07	62,62,62,62	0
59	MG	DA	4703	1/1	0.95	0.11	49,49,49,49	0
59	MG	DA	5026	1/1	0.95	0.53	42,42,42,42	0
59	MG	DA	3789	1/1	0.95	0.07	45,45,45,45	0
59	MG	DA	3030	1/1	0.95	0.08	3,3,3,3	0
59	MG	AA	3627	1/1	0.95	0.24	37,37,37,37	0
59	MG	DA	4708	1/1	0.95	0.08	46,46,46,46	0
59	MG	DA	3300	1/1	0.95	0.09	27,27,27,27	0
59	MG	AE	303	1/1	0.95	0.18	39,39,39,39	0
59	MG	AA	3842	1/1	0.95	0.07	67,67,67,67	0
59	MG	DA	3527	1/1	0.95	0.07	46,46,46,46	0
59	MG	DA	4405	1/1	0.95	0.06	40,40,40,40	0
59	MG	DA	4407	1/1	0.95	0.28	85,85,85,85	0
59	MG	AA	3899	1/1	0.95	0.09	46,46,46,46	0
59	MG	DA	3304	1/1	0.95	0.07	43,43,43,43	0
59	MG	DA	5041	1/1	0.95	0.10	57,57,57,57	0
59	MG	DA	4096	1/1	0.95	0.10	73,73,73,73	0
59	MG	DA	3053	1/1	0.95	0.27	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3054	1/1	0.95	0.10	11,11,11,11	0
59	MG	DA	3803	1/1	0.95	0.13	54,54,54,54	0
59	MG	DA	3532	1/1	0.95	0.17	49,49,49,49	0
59	MG	DA	3806	1/1	0.95	0.14	55,55,55,55	0
59	MG	DA	3055	1/1	0.95	0.27	21,21,21,21	0
59	MG	DA	3534	1/1	0.95	0.24	49,49,49,49	0
59	MG	BA	1948	1/1	0.95	0.06	75,75,75,75	0
59	MG	DA	3536	1/1	0.95	0.07	48,48,48,48	0
59	MG	DA	3066	1/1	0.95	0.12	17,17,17,17	0
59	MG	DA	3073	1/1	0.95	0.13	16,16,16,16	0
59	MG	DA	4109	1/1	0.95	0.27	61,61,61,61	0
59	MG	DA	4111	1/1	0.95	0.08	54,54,54,54	0
59	MG	AA	3536	1/1	0.95	0.17	46,46,46,46	0
59	MG	DA	4114	1/1	0.95	0.10	61,61,61,61	0
59	MG	DA	4429	1/1	0.95	0.10	55,55,55,55	0
59	MG	DA	3076	1/1	0.95	0.14	13,13,13,13	0
59	MG	DA	3818	1/1	0.95	0.06	71,71,71,71	0
59	MG	CA	1919	1/1	0.95	0.05	50,50,50,50	0
59	MG	DA	3078	1/1	0.95	0.16	17,17,17,17	0
59	MG	DA	3081	1/1	0.95	0.20	24,24,24,24	0
59	MG	BA	1950	1/1	0.95	0.17	62,62,62,62	0
59	MG	DA	3083	1/1	0.95	0.14	9,9,9,9	0
59	MG	CA	1921	1/1	0.95	0.11	52,52,52,52	0
59	MG	AA	3424	1/1	0.95	0.13	54,54,54,54	0
59	MG	DA	3551	1/1	0.95	0.18	29,29,29,29	0
59	MG	DA	3093	1/1	0.95	0.13	13,13,13,13	0
59	MG	DA	3553	1/1	0.95	0.40	89,89,89,89	0
59	MG	DA	3327	1/1	0.95	0.10	48,48,48,48	0
59	MG	AA	3630	1/1	0.95	0.30	55,55,55,55	0
59	MG	DA	3834	1/1	0.95	0.13	57,57,57,57	0
59	MG	DA	3329	1/1	0.95	0.19	57,57,57,57	0
59	MG	DA	4132	1/1	0.95	0.22	40,40,40,40	0
59	MG	AA	3152	1/1	0.95	0.08	28,28,28,28	0
59	MG	DA	4756	1/1	0.95	0.16	57,57,57,57	0
59	MG	AA	4152	1/1	0.95	0.10	77,77,77,77	0
59	MG	DA	3561	1/1	0.95	0.21	51,51,51,51	0
59	MG	CA	2202	1/1	0.95	0.16	47,47,47,47	0
59	MG	DA	4137	1/1	0.95	0.07	39,39,39,39	0
59	MG	DA	3564	1/1	0.95	0.32	83,83,83,83	0
59	MG	CH	204	1/1	0.95	0.08	93,93,93,93	0
59	MG	DA	4142	1/1	0.95	0.08	29,29,29,29	0
59	MG	CA	2203	1/1	0.95	0.09	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4144	1/1	0.95	0.21	45,45,45,45	0
59	MG	AA	3076	1/1	0.95	0.05	35,35,35,35	0
59	MG	DA	3106	1/1	0.95	0.10	56,56,56,56	0
59	MG	BA	1860	1/1	0.95	0.09	60,60,60,60	0
59	MG	AA	3177	1/1	0.95	0.11	26,26,26,26	0
59	MG	CA	1667	1/1	0.95	0.11	50,50,50,50	0
59	MG	AA	3686	1/1	0.95	0.12	49,49,49,49	0
59	MG	CA	1933	1/1	0.95	0.15	60,60,60,60	0
59	MG	AA	4026	1/1	0.95	0.06	53,53,53,53	0
59	MG	DA	4475	1/1	0.95	0.11	50,50,50,50	0
59	MG	AA	3585	1/1	0.95	0.07	45,45,45,45	0
59	MG	CA	2070	1/1	0.95	0.06	68,68,68,68	0
59	MG	AA	3586	1/1	0.95	0.06	41,41,41,41	0
59	MG	AA	3456	1/1	0.95	0.12	20,20,20,20	0
59	MG	DB	232	1/1	0.95	0.23	54,54,54,54	0
59	MG	AA	4030	1/1	0.95	0.09	66,66,66,66	0
59	MG	CA	1675	1/1	0.95	0.25	53,53,53,53	0
59	MG	BA	1617	1/1	0.95	0.28	44,44,44,44	0
59	MG	DA	3353	1/1	0.95	0.08	22,22,22,22	0
59	MG	DA	4487	1/1	0.95	0.13	94,94,94,94	0
59	MG	AO	201	1/1	0.95	0.07	50,50,50,50	0
59	MG	DA	3590	1/1	0.95	0.12	46,46,46,46	0
59	MG	BA	1702	1/1	0.95	0.09	33,33,33,33	0
59	MG	DA	3593	1/1	0.95	0.17	29,29,29,29	0
59	MG	DB	243	1/1	0.95	0.09	53,53,53,53	0
59	MG	DA	3866	1/1	0.95	0.13	59,59,59,59	0
59	MG	CA	1804	1/1	0.95	0.08	67,67,67,67	0
59	MG	DA	3868	1/1	0.95	0.12	72,72,72,72	0
59	MG	DB	247	1/1	0.95	0.07	61,61,61,61	0
59	MG	DA	3358	1/1	0.95	0.15	23,23,23,23	0
59	MG	CA	1944	1/1	0.95	0.08	61,61,61,61	0
59	MG	DA	3360	1/1	0.95	0.12	36,36,36,36	0
59	MG	BA	1871	1/1	0.95	0.09	74,74,74,74	0
59	MG	DA	3362	1/1	0.95	0.15	35,35,35,35	0
59	MG	AA	3911	1/1	0.95	0.08	69,69,69,69	0
59	MG	AA	3495	1/1	0.95	0.14	56,56,56,56	0
59	MG	DA	3877	1/1	0.95	0.06	37,37,37,37	0
59	MG	DA	3878	1/1	0.95	0.09	60,60,60,60	0
59	MG	DA	4807	1/1	0.95	0.08	68,68,68,68	0
59	MG	AA	3046	1/1	0.95	0.27	38,38,38,38	0
59	MG	DA	3368	1/1	0.95	0.10	31,31,31,31	0
59	MG	CA	1686	1/1	0.95	0.22	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3885	1/1	0.95	0.08	57,57,57,57	0
59	MG	DA	3887	1/1	0.95	0.21	68,68,68,68	0
59	MG	DB	264	1/1	0.95	0.06	44,44,44,44	0
59	MG	BA	1972	1/1	0.95	0.07	53,53,53,53	0
59	MG	CA	1814	1/1	0.95	0.05	42,42,42,42	0
59	MG	CA	2088	1/1	0.95	0.12	65,65,65,65	0
59	MG	DA	4816	1/1	0.95	0.11	66,66,66,66	0
59	MG	DA	4197	1/1	0.95	0.10	51,51,51,51	0
59	MG	DA	4818	1/1	0.95	0.36	80,80,80,80	0
59	MG	DA	4198	1/1	0.95	0.10	45,45,45,45	0
59	MG	DA	4820	1/1	0.95	0.11	56,56,56,56	0
59	MG	DA	4821	1/1	0.95	0.09	54,54,54,54	0
59	MG	DA	4822	1/1	0.95	0.08	39,39,39,39	0
59	MG	DA	3140	1/1	0.95	0.18	26,26,26,26	0
59	MG	CA	1688	1/1	0.95	0.18	42,42,42,42	0
59	MG	DA	3142	1/1	0.95	0.21	73,73,73,73	0
59	MG	DD	302	1/1	0.95	0.09	58,58,58,58	0
59	MG	AA	3458	1/1	0.95	0.06	49,49,49,49	0
59	MG	CS	105	1/1	0.95	0.07	69,69,69,69	0
59	MG	CA	2091	1/1	0.95	0.11	68,68,68,68	0
59	MG	AA	3592	1/1	0.95	0.16	63,63,63,63	0
59	MG	DA	3381	1/1	0.95	0.17	66,66,66,66	0
59	MG	DA	4527	1/1	0.95	0.10	53,53,53,53	0
59	MG	CA	2093	1/1	0.95	0.06	64,64,64,64	0
59	MG	DA	3383	1/1	0.95	0.06	49,49,49,49	0
59	MG	AA	3745	1/1	0.95	0.10	57,57,57,57	0
59	MG	DD	314	1/1	0.95	0.38	32,32,32,32	0
59	MG	DE	303	1/1	0.95	0.15	52,52,52,52	0
59	MG	DE	304	1/1	0.95	0.10	47,47,47,47	0
59	MG	DE	305	1/1	0.95	0.05	44,44,44,44	0
59	MG	AA	3694	1/1	0.95	0.12	56,56,56,56	0
59	MG	CA	1822	1/1	0.95	0.07	56,56,56,56	0
59	MG	DA	3153	1/1	0.95	0.15	26,26,26,26	0
59	MG	AB	205	1/1	0.95	0.07	54,54,54,54	0
59	MG	DA	3390	1/1	0.95	0.06	83,83,83,83	0
59	MG	AA	3208	1/1	0.95	0.08	30,30,30,30	0
59	MG	CA	2100	1/1	0.95	0.08	40,40,40,40	0
59	MG	AA	4103	1/1	0.95	0.20	54,54,54,54	0
59	MG	DA	4845	1/1	0.95	0.21	43,43,43,43	0
59	MG	AA	3343	1/1	0.95	0.20	48,48,48,48	0
59	MG	BA	1885	1/1	0.95	0.20	44,44,44,44	0
59	MG	DA	4848	1/1	0.95	0.15	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1965	1/1	0.95	0.12	81,81,81,81	0
59	MG	DF	308	1/1	0.95	0.20	30,30,30,30	0
59	MG	AA	3977	1/1	0.95	0.10	56,56,56,56	0
59	MG	BB	101	1/1	0.95	0.06	76,76,76,76	0
59	MG	DA	3168	1/1	0.95	0.06	40,40,40,40	0
59	MG	BA	2263	1/1	0.95	0.08	71,71,71,71	0
59	MG	DA	4236	1/1	0.95	0.12	52,52,52,52	0
59	MG	AA	3179	1/1	0.95	0.15	38,38,38,38	0
59	MG	AA	3466	1/1	0.95	0.05	37,37,37,37	0
59	MG	DA	4555	1/1	0.95	0.06	43,43,43,43	0
59	MG	DA	4861	1/1	0.95	0.23	74,74,74,74	0
59	MG	AA	3700	1/1	0.95	0.21	58,58,58,58	0
59	MG	DA	4557	1/1	0.95	0.06	56,56,56,56	0
59	MG	CA	2111	1/1	0.95	0.04	75,75,75,75	0
59	MG	DA	3932	1/1	0.95	0.06	53,53,53,53	0
59	MG	DA	3178	1/1	0.95	0.14	49,49,49,49	0
59	MG	AA	3061	1/1	0.95	0.12	35,35,35,35	0
59	MG	BA	1637	1/1	0.95	0.18	57,57,57,57	0
59	MG	AA	3281	1/1	0.95	0.08	45,45,45,45	0
59	MG	DA	3943	1/1	0.95	0.04	47,47,47,47	0
59	MG	BA	2082	1/1	0.95	0.06	96,96,96,96	0
59	MG	BA	1989	1/1	0.95	0.06	75,75,75,75	0
59	MG	AA	3055	1/1	0.95	0.11	33,33,33,33	0
59	MG	AA	3926	1/1	0.95	0.12	52,52,52,52	0
59	MG	CA	1713	1/1	0.95	0.19	57,57,57,57	0
59	MG	AA	3511	1/1	0.95	0.10	26,26,26,26	0
59	MG	AA	3553	1/1	0.95	0.31	73,73,73,73	0
59	MG	DK	201	1/1	0.95	0.06	71,71,71,71	0
59	MG	DA	4262	1/1	0.95	0.14	47,47,47,47	0
59	MG	CA	1983	1/1	0.95	0.09	43,43,43,43	0
59	MG	DA	4577	1/1	0.95	0.10	57,57,57,57	0
59	MG	DA	3421	1/1	0.95	0.08	56,56,56,56	0
59	MG	AA	3603	1/1	0.95	0.06	80,80,80,80	0
59	MG	DA	4580	1/1	0.95	0.11	69,69,69,69	0
59	MG	DA	3664	1/1	0.95	0.11	60,60,60,60	0
59	MG	DA	4267	1/1	0.95	0.39	72,72,72,72	0
59	MG	BC	103	1/1	0.95	0.06	51,51,51,51	0
59	MG	DA	4584	1/1	0.95	0.05	40,40,40,40	0
59	MG	AA	3348	1/1	0.95	0.10	26,26,26,26	0
59	MG	DA	4586	1/1	0.95	0.15	78,78,78,78	0
59	MG	AA	3302	1/1	0.95	0.06	32,32,32,32	0
59	MG	BA	1900	1/1	0.95	0.10	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DO	201	1/1	0.95	0.07	32,32,32,32	0
59	MG	AA	3655	1/1	0.95	0.06	50,50,50,50	0
59	MG	AA	3875	1/1	0.95	0.10	67,67,67,67	0
59	MG	DA	3965	1/1	0.95	0.10	78,78,78,78	0
59	MG	DO	207	1/1	0.95	0.07	37,37,37,37	0
59	MG	BC	110	1/1	0.95	0.10	56,56,56,56	0
59	MG	DO	210	1/1	0.95	0.13	53,53,53,53	0
59	MG	DA	4593	1/1	0.95	0.13	65,65,65,65	0
59	MG	DA	4594	1/1	0.95	0.16	62,62,62,62	0
59	MG	AA	3516	1/1	0.95	0.08	35,35,35,35	0
59	MG	DA	3972	1/1	0.95	0.08	41,41,41,41	0
59	MG	BA	2095	1/1	0.95	0.17	67,67,67,67	0
59	MG	DO	217	1/1	0.95	0.10	52,52,52,52	0
59	MG	BA	1733	1/1	0.95	0.05	46,46,46,46	0
59	MG	DA	3976	1/1	0.95	0.17	37,37,37,37	0
59	MG	DA	3433	1/1	0.95	0.16	43,43,43,43	0
59	MG	AA	3246	1/1	0.95	0.14	45,45,45,45	0
59	MG	BA	2190	1/1	0.95	0.09	62,62,62,62	0
59	MG	AA	3994	1/1	0.95	0.06	68,68,68,68	0
59	MG	DA	4914	1/1	0.95	0.10	44,44,44,44	0
59	MG	DA	4915	1/1	0.95	0.15	64,64,64,64	0
59	MG	AA	3518	1/1	0.95	0.04	17,17,17,17	0
59	MG	AA	3327	1/1	0.95	0.26	45,45,45,45	0
59	MG	DA	3685	1/1	0.95	0.06	59,59,59,59	0
59	MG	AA	3032	1/1	0.95	0.12	28,28,28,28	0
59	MG	DA	3213	1/1	0.95	0.29	53,53,53,53	0
59	MG	CA	1734	1/1	0.95	0.06	38,38,38,38	0
59	MG	AA	3010	1/1	0.95	0.16	19,19,19,19	0
59	MG	DA	4301	1/1	0.95	0.09	37,37,37,37	0
59	MG	DA	3449	1/1	0.95	0.19	50,50,50,50	0
59	MG	CA	1736	1/1	0.95	0.11	30,30,30,30	0
59	MG	AA	3286	1/1	0.95	0.17	67,67,67,67	0
59	MG	CA	1870	1/1	0.95	0.07	58,58,58,58	0
59	MG	BA	1658	1/1	0.95	0.11	49,49,49,49	0
59	MG	AA	3230	1/1	0.95	0.10	51,51,51,51	0
59	MG	DA	3222	1/1	0.95	0.05	42,42,42,42	0
59	MG	DA	3224	1/1	0.95	0.07	31,31,31,31	0
59	MG	BA	1918	1/1	0.95	0.06	74,74,74,74	0
59	MG	AA	3827	1/1	0.95	0.06	62,62,62,62	0
59	MG	DA	4936	1/1	0.95	0.29	52,52,52,52	0
59	MG	DA	4002	1/1	0.95	0.08	42,42,42,42	0
59	MG	BA	1826	1/1	0.95	0.04	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3479	1/1	0.95	0.07	59,59,59,59	0
59	MG	D2	202	1/1	0.95	0.21	52,52,52,52	0
59	MG	CA	1881	1/1	0.95	0.20	48,48,48,48	0
59	MG	DA	3716	1/1	0.95	0.12	13,13,13,13	0
59	MG	DA	3718	1/1	0.95	0.06	25,25,25,25	0
59	MG	DA	3464	1/1	0.95	0.20	53,53,53,53	0
59	MG	DA	3236	1/1	0.95	0.15	20,20,20,20	0
59	MG	CA	2014	1/1	0.95	0.07	56,56,56,56	0
59	MG	CA	2298	1/1	0.95	0.06	68,68,68,68	0
59	MG	DA	4015	1/1	0.95	0.15	57,57,57,57	0
59	MG	DA	4017	1/1	0.95	0.11	69,69,69,69	0
59	MG	CA	2015	1/1	0.95	0.07	57,57,57,57	0
59	MG	DA	4020	1/1	0.95	0.16	153,153,153,153	0
59	MG	DA	4953	1/1	0.95	0.08	63,63,63,63	0
59	MG	AA	4003	1/1	0.95	0.06	109,109,109,109	0
59	MG	DA	3728	1/1	0.95	0.15	42,42,42,42	0
59	MG	AA	3309	1/1	0.95	0.09	54,54,54,54	0
59	MG	DA	4334	1/1	0.95	0.15	70,70,70,70	0
59	MG	DA	4335	1/1	0.95	0.17	50,50,50,50	0
59	MG	CA	1885	1/1	0.95	0.27	49,49,49,49	0
59	MG	CA	1886	1/1	0.95	0.12	43,43,43,43	0
59	MG	CA	2159	1/1	0.95	0.07	46,46,46,46	0
59	MG	CA	1616	1/1	0.95	0.17	39,39,39,39	0
59	MG	DA	3476	1/1	0.95	0.07	27,27,27,27	0
59	MG	DA	3253	1/1	0.95	0.06	15,15,15,15	0
59	MG	DU	206	1/1	0.95	0.06	47,47,47,47	0
59	MG	AD	301	1/1	0.95	0.08	36,36,36,36	0
59	MG	DA	4968	1/1	0.95	0.07	65,65,65,65	0
59	MG	DA	4344	1/1	0.95	0.22	63,63,63,63	0
59	MG	DA	4035	1/1	0.95	0.33	52,52,52,52	0
59	MG	AA	3389	1/1	0.95	0.08	67,67,67,67	0
59	MG	DA	4972	1/1	0.95	0.18	80,80,80,80	0
59	MG	DU	213	1/1	0.95	0.26	70,70,70,70	0
59	MG	CA	1753	1/1	0.95	0.27	56,56,56,56	0
59	MG	BA	1666	1/1	0.95	0.09	43,43,43,43	0
59	MG	BA	1927	1/1	0.95	0.08	51,51,51,51	0
59	MG	DA	3747	1/1	0.95	0.07	75,75,75,75	0
59	MG	DA	4977	1/1	0.95	0.11	94,94,94,94	0
59	MG	DA	4353	1/1	0.95	0.16	45,45,45,45	0
59	MG	CA	1626	1/1	0.95	0.12	38,38,38,38	0
59	MG	AA	3777	1/1	0.95	0.09	58,58,58,58	0
59	MG	AA	3107	1/1	0.95	0.21	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3264	1/1	0.95	0.18	28,28,28,28	0
59	MG	AA	3620	1/1	0.95	0.06	55,55,55,55	0
59	MG	D3	102	1/1	0.95	0.08	47,47,47,47	0
59	MG	BP	201	1/1	0.95	0.08	61,61,61,61	0
59	MG	CA	1898	1/1	0.95	0.06	59,59,59,59	0
59	MG	DA	4671	1/1	0.95	0.12	72,72,72,72	0
59	MG	DA	3269	1/1	0.95	0.10	36,36,36,36	0
59	MG	BP	202	1/1	0.95	0.06	50,50,50,50	0
59	MG	DZ	102	1/1	0.95	0.15	49,49,49,49	0
59	MG	DA	3271	1/1	0.95	0.09	33,33,33,33	0
59	MG	DZ	104	1/1	0.95	0.10	59,59,59,59	0
59	MG	BA	1836	1/1	0.95	0.07	57,57,57,57	0
59	MG	DW	101	1/1	0.95	0.24	49,49,49,49	0
59	MG	DA	4368	1/1	0.95	0.12	51,51,51,51	0
59	MG	DA	3275	1/1	0.95	0.30	64,64,64,64	0
59	MG	AA	3119	1/1	0.95	0.10	46,46,46,46	0
59	MG	BA	1933	1/1	0.95	0.25	63,63,63,63	0
59	MG	DA	4999	1/1	0.95	0.06	74,74,74,74	0
59	MG	AA	3673	1/1	0.95	0.20	56,56,56,56	0
59	MG	CA	1768	1/1	0.95	0.09	48,48,48,48	0
59	MG	DA	3504	1/1	0.95	0.19	30,30,30,30	0
59	MG	DA	3007	1/1	0.95	0.19	10,10,10,10	0
59	MG	DA	3507	1/1	0.95	0.11	66,66,66,66	0
59	MG	D5	104	1/1	0.95	0.12	38,38,38,38	0
59	MG	AA	3312	1/1	0.95	0.12	40,40,40,40	0
59	MG	BA	1675	1/1	0.95	0.07	28,28,28,28	0
59	MG	D5	108	1/1	0.95	0.07	63,63,63,63	0
59	MG	DA	4064	1/1	0.95	0.07	56,56,56,56	0
59	MG	DA	4065	1/1	0.95	0.08	58,58,58,58	0
59	MG	DA	5010	1/1	0.95	0.16	68,68,68,68	0
59	MG	AD	310	1/1	0.95	0.07	42,42,42,42	0
59	MG	BA	1938	1/1	0.95	0.13	69,69,69,69	0
59	MG	CA	2044	1/1	0.95	0.09	65,65,65,65	0
59	MG	AA	3053	1/1	0.95	0.07	30,30,30,30	0
59	MG	AA	3574	1/1	0.95	0.14	57,57,57,57	0
59	MG	DA	3780	1/1	0.95	0.08	32,32,32,32	0
59	MG	DA	3293	1/1	0.95	0.08	35,35,35,35	0
59	MG	D8	104	1/1	0.95	0.17	50,50,50,50	0
59	MG	DA	3784	1/1	0.95	0.11	52,52,52,52	0
59	MG	AA	3314	1/1	0.95	0.12	74,74,74,74	0
59	MG	CA	2048	1/1	0.95	0.17	77,77,77,77	0
59	MG	DA	3521	1/1	0.95	0.20	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3259	1/1	0.96	0.27	60,60,60,60	0
59	MG	DA	3821	1/1	0.96	0.06	81,81,81,81	0
59	MG	AA	3621	1/1	0.96	0.06	46,46,46,46	0
59	MG	DA	3609	1/1	0.96	0.13	76,76,76,76	0
59	MG	DB	221	1/1	0.96	0.07	35,35,35,35	0
59	MG	BA	1640	1/1	0.96	0.20	27,27,27,27	0
59	MG	DA	4300	1/1	0.96	0.10	45,45,45,45	0
59	MG	DA	4049	1/1	0.96	0.11	33,33,33,33	0
59	MG	DA	3096	1/1	0.96	0.09	7,7,7,7	0
59	MG	DA	4567	1/1	0.96	0.06	51,51,51,51	0
59	MG	DA	3826	1/1	0.96	0.17	33,33,33,33	0
59	MG	CA	1883	1/1	0.96	0.04	43,43,43,43	0
59	MG	AA	3664	1/1	0.96	0.07	68,68,68,68	0
59	MG	DA	3265	1/1	0.96	0.23	47,47,47,47	0
59	MG	DA	3100	1/1	0.96	0.07	36,36,36,36	0
59	MG	DA	3616	1/1	0.96	0.12	64,64,64,64	0
59	MG	AA	3498	1/1	0.96	0.16	52,52,52,52	0
59	MG	DA	3619	1/1	0.96	0.13	59,59,59,59	0
59	MG	AA	3014	1/1	0.96	0.09	20,20,20,20	0
59	MG	AA	4053	1/1	0.96	0.05	63,63,63,63	0
59	MG	DA	3837	1/1	0.96	0.12	61,61,61,61	0
59	MG	AA	3104	1/1	0.96	0.24	54,54,54,54	0
59	MG	DA	3437	1/1	0.96	0.12	47,47,47,47	0
59	MG	AA	3349	1/1	0.96	0.07	42,42,42,42	0
59	MG	DA	3272	1/1	0.96	0.16	29,29,29,29	0
59	MG	DB	242	1/1	0.96	0.25	61,61,61,61	0
59	MG	AA	3669	1/1	0.96	0.06	44,44,44,44	0
59	MG	DA	3442	1/1	0.96	0.16	45,45,45,45	0
59	MG	AA	3191	1/1	0.96	0.19	31,31,31,31	0
59	MG	DA	4323	1/1	0.96	0.10	56,56,56,56	0
59	MG	DA	4071	1/1	0.96	0.07	55,55,55,55	0
59	MG	AA	3906	1/1	0.96	0.20	67,67,67,67	0
59	MG	AA	3026	1/1	0.96	0.35	38,38,38,38	0
59	MG	DA	4074	1/1	0.96	0.12	54,54,54,54	0
59	MG	AB	201	1/1	0.96	0.11	42,42,42,42	0
59	MG	DA	4077	1/1	0.96	0.10	51,51,51,51	0
59	MG	DA	4078	1/1	0.96	0.10	65,65,65,65	0
59	MG	DA	4332	1/1	0.96	0.06	53,53,53,53	0
59	MG	DA	3632	1/1	0.96	0.08	52,52,52,52	0
59	MG	DA	4856	1/1	0.96	0.06	49,49,49,49	0
59	MG	DA	3849	1/1	0.96	0.11	63,63,63,63	0
59	MG	DA	3280	1/1	0.96	0.05	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3635	1/1	0.96	0.12	33,33,33,33	0
59	MG	AA	3587	1/1	0.96	0.07	55,55,55,55	0
59	MG	DA	3282	1/1	0.96	0.05	12,12,12,12	0
59	MG	AA	3507	1/1	0.96	0.11	30,30,30,30	0
59	MG	DA	3284	1/1	0.96	0.14	27,27,27,27	0
59	MG	A6	101	1/1	0.96	0.07	55,55,55,55	0
59	MG	BA	1941	1/1	0.96	0.05	58,58,58,58	0
59	MG	DA	4867	1/1	0.96	0.10	62,62,62,62	0
59	MG	DA	4343	1/1	0.96	0.18	58,58,58,58	0
59	MG	DA	4090	1/1	0.96	0.06	52,52,52,52	0
59	MG	BA	1942	1/1	0.96	0.06	63,63,63,63	0
59	MG	CA	1998	1/1	0.96	0.04	90,90,90,90	0
59	MG	A6	102	1/1	0.96	0.11	60,60,60,60	0
59	MG	DA	3121	1/1	0.96	0.22	51,51,51,51	0
59	MG	DA	4350	1/1	0.96	0.16	54,54,54,54	0
59	MG	AA	3761	1/1	0.96	0.07	40,40,40,40	0
59	MG	AA	3763	1/1	0.96	0.07	48,48,48,48	0
59	MG	AA	3764	1/1	0.96	0.08	53,53,53,53	0
59	MG	CA	1805	1/1	0.96	0.04	52,52,52,52	0
59	MG	DA	3127	1/1	0.96	0.08	32,32,32,32	0
59	MG	DA	4618	1/1	0.96	0.08	61,61,61,61	0
59	MG	DD	306	1/1	0.96	0.07	51,51,51,51	0
59	MG	DA	4619	1/1	0.96	0.09	49,49,49,49	0
59	MG	AA	3406	1/1	0.96	0.14	32,32,32,32	0
59	MG	CA	1622	1/1	0.96	0.10	51,51,51,51	0
59	MG	AA	3352	1/1	0.96	0.05	28,28,28,28	0
59	MG	CA	2207	1/1	0.96	0.06	70,70,70,70	0
59	MG	AA	3063	1/1	0.96	0.07	27,27,27,27	0
59	MG	DA	4107	1/1	0.96	0.07	49,49,49,49	0
59	MG	DA	3134	1/1	0.96	0.25	44,44,44,44	0
59	MG	DE	301	1/1	0.96	0.09	19,19,19,19	0
59	MG	AA	3250	1/1	0.96	0.05	24,24,24,24	0
59	MG	DA	4110	1/1	0.96	0.14	51,51,51,51	0
59	MG	BA	1801	1/1	0.96	0.14	40,40,40,40	0
59	MG	DA	4112	1/1	0.96	0.04	45,45,45,45	0
59	MG	DA	3876	1/1	0.96	0.16	52,52,52,52	0
59	MG	DA	3137	1/1	0.96	0.20	31,31,31,31	0
59	MG	DA	3308	1/1	0.96	0.38	75,75,75,75	0
59	MG	DA	4375	1/1	0.96	0.16	52,52,52,52	0
59	MG	DA	3879	1/1	0.96	0.07	83,83,83,83	0
59	MG	DA	3478	1/1	0.96	0.05	18,18,18,18	0
59	MG	AA	3380	1/1	0.96	0.04	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3310	1/1	0.96	0.04	30,30,30,30	0
59	MG	CA	2212	1/1	0.96	0.08	69,69,69,69	0
59	MG	DF	301	1/1	0.96	0.13	28,28,28,28	0
59	MG	DF	303	1/1	0.96	0.12	28,28,28,28	0
59	MG	CA	1815	1/1	0.96	0.06	66,66,66,66	0
59	MG	DA	3888	1/1	0.96	0.05	55,55,55,55	0
59	MG	DF	306	1/1	0.96	0.26	46,46,46,46	0
59	MG	CA	1913	1/1	0.96	0.09	52,52,52,52	0
59	MG	DA	4908	1/1	0.96	0.07	64,64,64,64	0
59	MG	BW	208	1/1	0.96	0.07	62,62,62,62	0
59	MG	CA	2321	1/1	0.96	0.21	90,90,90,90	0
59	MG	DA	3671	1/1	0.96	0.24	40,40,40,40	0
59	MG	AA	3515	1/1	0.96	0.11	20,20,20,20	0
59	MG	DA	3489	1/1	0.96	0.05	41,41,41,41	0
59	MG	CA	1724	1/1	0.96	0.10	45,45,45,45	0
59	MG	DA	3320	1/1	0.96	0.07	14,14,14,14	0
59	MG	DA	3676	1/1	0.96	0.09	70,70,70,70	0
59	MG	AA	3381	1/1	0.96	0.12	32,32,32,32	0
59	MG	AA	3681	1/1	0.96	0.05	65,65,65,65	0
59	MG	AA	4125	1/1	0.96	0.06	69,69,69,69	0
59	MG	DA	3149	1/1	0.96	0.10	18,18,18,18	0
59	MG	DA	3150	1/1	0.96	0.18	39,39,39,39	0
59	MG	CA	1823	1/1	0.96	0.08	67,67,67,67	0
59	MG	DF	324	1/1	0.96	0.27	76,76,76,76	0
59	MG	DA	3684	1/1	0.96	0.25	56,56,56,56	0
59	MG	AA	3291	1/1	0.96	0.12	34,34,34,34	0
59	MG	AA	3128	1/1	0.96	0.21	32,32,32,32	0
59	MG	DA	3330	1/1	0.96	0.06	70,70,70,70	0
59	MG	BA	1881	1/1	0.96	0.14	46,46,46,46	0
59	MG	BA	1882	1/1	0.96	0.20	42,42,42,42	0
59	MG	DA	4667	1/1	0.96	0.12	46,46,46,46	0
59	MG	AA	3129	1/1	0.96	0.11	31,31,31,31	0
59	MG	DA	3915	1/1	0.96	0.05	28,28,28,28	0
59	MG	DA	4150	1/1	0.96	0.07	47,47,47,47	0
59	MG	BA	1608	1/1	0.96	0.06	47,47,47,47	0
59	MG	DA	4938	1/1	0.96	0.05	55,55,55,55	0
59	MG	BA	1743	1/1	0.96	0.04	43,43,43,43	0
59	MG	DA	3700	1/1	0.96	0.12	39,39,39,39	0
59	MG	BA	1674	1/1	0.96	0.05	45,45,45,45	0
59	MG	CA	1930	1/1	0.96	0.08	42,42,42,42	0
59	MG	CA	1833	1/1	0.96	0.05	57,57,57,57	0
59	MG	AA	3196	1/1	0.96	0.06	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3167	1/1	0.96	0.07	48,48,48,48	0
59	MG	DA	4946	1/1	0.96	0.12	62,62,62,62	0
59	MG	DA	3927	1/1	0.96	0.06	66,66,66,66	0
59	MG	AA	3020	1/1	0.96	0.15	27,27,27,27	0
59	MG	DA	4682	1/1	0.96	0.10	63,63,63,63	0
59	MG	BA	1747	1/1	0.96	0.14	50,50,50,50	0
59	MG	DA	4424	1/1	0.96	0.04	46,46,46,46	0
59	MG	DA	3515	1/1	0.96	0.04	28,28,28,28	0
59	MG	DA	3170	1/1	0.96	0.14	16,16,16,16	0
59	MG	DA	3517	1/1	0.96	0.06	29,29,29,29	0
59	MG	DA	3934	1/1	0.96	0.06	45,45,45,45	0
59	MG	CA	1739	1/1	0.96	0.05	43,43,43,43	0
59	MG	DA	3519	1/1	0.96	0.06	36,36,36,36	0
59	MG	AA	3151	1/1	0.96	0.08	60,60,60,60	0
59	MG	DA	4432	1/1	0.96	0.16	58,58,58,58	0
59	MG	AA	3297	1/1	0.96	0.07	58,58,58,58	0
59	MG	DA	4435	1/1	0.96	0.05	53,53,53,53	0
59	MG	CA	2036	1/1	0.96	0.04	83,83,83,83	0
59	MG	DA	4437	1/1	0.96	0.23	27,27,27,27	0
59	MG	DO	215	1/1	0.96	0.07	41,41,41,41	0
59	MG	DA	4965	1/1	0.96	0.12	61,61,61,61	0
59	MG	DA	4175	1/1	0.96	0.23	59,59,59,59	0
59	MG	DA	3177	1/1	0.96	0.10	39,39,39,39	0
59	MG	CA	1651	1/1	0.96	0.09	33,33,33,33	0
59	MG	AA	3390	1/1	0.96	0.07	46,46,46,46	0
59	MG	DA	4443	1/1	0.96	0.30	36,36,36,36	0
59	MG	AA	3109	1/1	0.96	0.22	40,40,40,40	0
59	MG	CA	2140	1/1	0.96	0.06	110,110,110,110	0
59	MG	DA	3355	1/1	0.96	0.25	64,64,64,64	0
59	MG	DA	3731	1/1	0.96	0.06	35,35,35,35	0
59	MG	DA	3952	1/1	0.96	0.06	46,46,46,46	0
59	MG	CA	1745	1/1	0.96	0.19	56,56,56,56	0
59	MG	BA	1681	1/1	0.96	0.14	43,43,43,43	0
59	MG	DA	4978	1/1	0.96	0.10	57,57,57,57	0
59	MG	AA	3100	1/1	0.96	0.05	34,34,34,34	0
59	MG	DA	3956	1/1	0.96	0.19	45,45,45,45	0
59	MG	CA	1657	1/1	0.96	0.10	35,35,35,35	0
59	MG	AA	3831	1/1	0.96	0.05	77,77,77,77	0
59	MG	DA	4191	1/1	0.96	0.06	48,48,48,48	0
59	MG	BA	1619	1/1	0.96	0.20	31,31,31,31	0
59	MG	DA	4718	1/1	0.96	0.11	69,69,69,69	0
59	MG	DA	4988	1/1	0.96	0.07	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	4084	1/1	0.96	0.09	86,86,86,86	0
59	MG	AA	3012	1/1	0.96	0.20	21,21,21,21	0
59	MG	AA	3365	1/1	0.96	0.21	39,39,39,39	0
59	MG	BA	1689	1/1	0.96	0.08	64,64,64,64	0
59	MG	DA	3966	1/1	0.96	0.05	41,41,41,41	0
59	MG	CA	2254	1/1	0.96	0.11	56,56,56,56	0
59	MG	DA	3369	1/1	0.96	0.10	16,16,16,16	0
59	MG	DA	3971	1/1	0.96	0.16	66,66,66,66	0
59	MG	DA	4206	1/1	0.96	0.13	45,45,45,45	0
59	MG	DA	3541	1/1	0.96	0.08	19,19,19,19	0
59	MG	BA	1623	1/1	0.96	0.08	53,53,53,53	0
59	MG	DA	4470	1/1	0.96	0.07	41,41,41,41	0
59	MG	DA	3002	1/1	0.96	0.17	11,11,11,11	0
59	MG	AA	3261	1/1	0.96	0.12	40,40,40,40	0
59	MG	DA	3008	1/1	0.96	0.16	10,10,10,10	0
59	MG	DA	3755	1/1	0.96	0.08	70,70,70,70	0
59	MG	DA	4213	1/1	0.96	0.17	49,49,49,49	0
59	MG	DA	3012	1/1	0.96	0.18	19,19,19,19	0
59	MG	DA	4478	1/1	0.96	0.12	65,65,65,65	0
59	MG	AA	3168	1/1	0.96	0.21	48,48,48,48	0
59	MG	DA	3014	1/1	0.96	0.17	7,7,7,7	0
59	MG	CK	211	1/1	0.96	0.04	57,57,57,57	0
59	MG	AA	3534	1/1	0.96	0.11	32,32,32,32	0
59	MG	DA	4219	1/1	0.96	0.16	60,60,60,60	0
59	MG	DA	4221	1/1	0.96	0.10	49,49,49,49	0
59	MG	AA	3455	1/1	0.96	0.05	22,22,22,22	0
59	MG	AA	3398	1/1	0.96	0.23	30,30,30,30	0
59	MG	CN	201	1/1	0.96	0.04	33,33,33,33	0
59	MG	DT	104	1/1	0.96	0.13	74,74,74,74	0
59	MG	CA	2261	1/1	0.96	0.08	66,66,66,66	0
59	MG	AA	3614	1/1	0.96	0.07	62,62,62,62	0
59	MG	DA	3212	1/1	0.96	0.12	30,30,30,30	0
59	MG	DU	201	1/1	0.96	0.05	36,36,36,36	0
59	MG	DA	3560	1/1	0.96	0.06	36,36,36,36	0
59	MG	AA	3573	1/1	0.96	0.06	44,44,44,44	0
59	MG	DA	3028	1/1	0.96	0.11	18,18,18,18	0
59	MG	AA	3427	1/1	0.96	0.06	47,47,47,47	0
59	MG	DA	3036	1/1	0.96	0.17	14,14,14,14	0
59	MG	DA	3566	1/1	0.96	0.06	21,21,21,21	0
59	MG	DA	4238	1/1	0.96	0.10	52,52,52,52	0
59	MG	CQ	103	1/1	0.96	0.04	51,51,51,51	0
59	MG	DA	3999	1/1	0.96	0.13	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4242	1/1	0.96	0.08	49,49,49,49	0
59	MG	DA	4000	1/1	0.96	0.05	50,50,50,50	0
59	MG	DA	3043	1/1	0.96	0.11	23,23,23,23	0
59	MG	BA	1837	1/1	0.96	0.06	88,88,88,88	0
59	MG	CA	1769	1/1	0.96	0.07	42,42,42,42	0
59	MG	DA	4766	1/1	0.96	0.13	67,67,67,67	0
59	MG	DA	4767	1/1	0.96	0.12	52,52,52,52	0
59	MG	DA	4768	1/1	0.96	0.13	64,64,64,64	0
59	MG	DA	4509	1/1	0.96	0.25	64,64,64,64	0
59	MG	DA	4770	1/1	0.96	0.13	93,93,93,93	0
59	MG	DA	3049	1/1	0.96	0.10	25,25,25,25	0
59	MG	DA	3223	1/1	0.96	0.20	45,45,45,45	0
59	MG	AA	3036	1/1	0.96	0.04	36,36,36,36	0
59	MG	D3	101	1/1	0.96	0.32	33,33,33,33	0
59	MG	AA	3138	1/1	0.96	0.10	19,19,19,19	0
59	MG	D3	103	1/1	0.96	0.07	23,23,23,23	0
59	MG	DA	3227	1/1	0.96	0.26	52,52,52,52	0
59	MG	AA	3580	1/1	0.96	0.06	50,50,50,50	0
59	MG	BA	1841	1/1	0.96	0.04	108,108,108,108	0
59	MG	DA	4011	1/1	0.96	0.10	52,52,52,52	0
59	MG	DA	3059	1/1	0.96	0.07	8,8,8,8	0
59	MG	DA	4259	1/1	0.96	0.11	54,54,54,54	0
59	MG	DA	4521	1/1	0.96	0.06	47,47,47,47	0
59	MG	DA	4013	1/1	0.96	0.14	42,42,42,42	0
59	MG	DA	4261	1/1	0.96	0.10	65,65,65,65	0
59	MG	DA	3233	1/1	0.96	0.10	26,26,26,26	0
59	MG	DA	4016	1/1	0.96	0.04	40,40,40,40	0
59	MG	BA	1843	1/1	0.96	0.06	63,63,63,63	0
59	MG	DA	4018	1/1	0.96	0.12	75,75,75,75	0
59	MG	AD	306	1/1	0.96	0.10	44,44,44,44	0
59	MG	DA	3583	1/1	0.96	0.13	3,3,3,3	0
59	MG	DA	3796	1/1	0.96	0.08	26,26,26,26	0
59	MG	DA	3072	1/1	0.96	0.17	9,9,9,9	0
59	MG	DA	4270	1/1	0.96	0.09	46,46,46,46	0
59	MG	DA	3585	1/1	0.96	0.19	10,10,10,10	0
59	MG	DA	4272	1/1	0.96	0.22	56,56,56,56	0
59	MG	D5	103	1/1	0.96	0.13	32,32,32,32	0
59	MG	CA	1872	1/1	0.96	0.04	74,74,74,74	0
59	MG	DA	3410	1/1	0.96	0.07	64,64,64,64	0
59	MG	CA	1971	1/1	0.96	0.14	54,54,54,54	0
59	MG	CA	1873	1/1	0.96	0.06	51,51,51,51	0
59	MG	DA	4541	1/1	0.96	0.15	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1874	1/1	0.96	0.04	55,55,55,55	0
59	MG	BC	104	1/1	0.96	0.12	45,45,45,45	0
59	MG	DA	3079	1/1	0.96	0.16	37,37,37,37	0
59	MG	DB	203	1/1	0.96	0.25	46,46,46,46	0
59	MG	DA	3080	1/1	0.96	0.21	31,31,31,31	0
59	MG	DA	4546	1/1	0.96	0.14	67,67,67,67	0
59	MG	AA	3845	1/1	0.96	0.09	54,54,54,54	0
59	MG	DA	3812	1/1	0.96	0.05	73,73,73,73	0
59	MG	DA	3252	1/1	0.96	0.13	29,29,29,29	0
59	MG	AA	3749	1/1	0.96	0.20	33,33,33,33	0
59	MG	CA	2176	1/1	0.96	0.04	62,62,62,62	0
59	MG	AA	3798	1/1	0.96	0.05	47,47,47,47	0
59	MG	D8	109	1/1	0.96	0.10	69,69,69,69	0
59	MG	BA	2076	1/1	0.96	0.11	85,85,85,85	0
60	ZN	CQ	101	1/1	0.96	0.08	114,114,114,114	0
59	MG	DA	3090	1/1	0.96	0.06	13,13,13,13	0
59	MG	DA	4228	1/1	0.97	0.08	50,50,50,50	0
59	MG	CA	1771	1/1	0.97	0.16	44,44,44,44	0
59	MG	AA	3528	1/1	0.97	0.15	46,46,46,46	0
59	MG	BA	1687	1/1	0.97	0.04	41,41,41,41	0
59	MG	AA	3237	1/1	0.97	0.11	36,36,36,36	0
59	MG	AA	3656	1/1	0.97	0.05	37,37,37,37	0
59	MG	AA	3500	1/1	0.97	0.12	22,22,22,22	0
59	MG	DA	3497	1/1	0.97	0.25	38,38,38,38	0
59	MG	BA	2248	1/1	0.97	0.07	61,61,61,61	0
59	MG	DA	3351	1/1	0.97	0.09	39,39,39,39	0
59	MG	DA	4677	1/1	0.97	0.06	61,61,61,61	0
59	MG	AA	3531	1/1	0.97	0.23	26,26,26,26	0
59	MG	DA	4239	1/1	0.97	0.10	62,62,62,62	0
59	MG	DA	3084	1/1	0.97	0.14	10,10,10,10	0
59	MG	BA	1740	1/1	0.97	0.04	42,42,42,42	0
59	MG	DA	3086	1/1	0.97	0.11	17,17,17,17	0
59	MG	DA	4913	1/1	0.97	0.10	74,74,74,74	0
59	MG	DA	3087	1/1	0.97	0.08	15,15,15,15	0
59	MG	DA	3217	1/1	0.97	0.11	28,28,28,28	0
59	MG	DA	3088	1/1	0.97	0.14	12,12,12,12	0
59	MG	AA	3559	1/1	0.97	0.08	50,50,50,50	0
59	MG	CA	1635	1/1	0.97	0.15	21,21,21,21	0
59	MG	DA	4249	1/1	0.97	0.09	55,55,55,55	0
59	MG	DA	3091	1/1	0.97	0.08	31,31,31,31	0
59	MG	AA	3084	1/1	0.97	0.08	55,55,55,55	0
59	MG	DA	3364	1/1	0.97	0.15	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AR	203	1/1	0.97	0.04	55,55,55,55	0
59	MG	BA	2254	1/1	0.97	0.05	53,53,53,53	0
59	MG	AA	3259	1/1	0.97	0.36	57,57,57,57	0
59	MG	AA	3504	1/1	0.97	0.10	31,31,31,31	0
59	MG	DA	4696	1/1	0.97	0.08	57,57,57,57	0
59	MG	AA	3007	1/1	0.97	0.14	24,24,24,24	0
59	MG	DA	3229	1/1	0.97	0.04	33,33,33,33	0
59	MG	DA	4931	1/1	0.97	0.23	41,41,41,41	0
59	MG	CA	1644	1/1	0.97	0.08	24,24,24,24	0
59	MG	DA	3231	1/1	0.97	0.07	9,9,9,9	0
59	MG	AA	3093	1/1	0.97	0.05	39,39,39,39	0
59	MG	CA	1947	1/1	0.97	0.08	82,82,82,82	0
59	MG	AA	3150	1/1	0.97	0.08	29,29,29,29	0
59	MG	DA	4704	1/1	0.97	0.23	62,62,62,62	0
59	MG	DA	4484	1/1	0.97	0.14	50,50,50,50	0
59	MG	DA	3235	1/1	0.97	0.06	25,25,25,25	0
59	MG	CA	1647	1/1	0.97	0.13	13,13,13,13	0
59	MG	DA	3683	1/1	0.97	0.07	56,56,56,56	0
59	MG	AA	3095	1/1	0.97	0.12	18,18,18,18	0
59	MG	DA	3238	1/1	0.97	0.13	18,18,18,18	0
59	MG	AB	204	1/1	0.97	0.03	54,54,54,54	0
59	MG	CC	104	1/1	0.97	0.03	23,23,23,23	0
59	MG	DA	4713	1/1	0.97	0.23	75,75,75,75	0
59	MG	AA	3206	1/1	0.97	0.08	40,40,40,40	0
59	MG	DA	3242	1/1	0.97	0.11	18,18,18,18	0
59	MG	DA	3243	1/1	0.97	0.32	48,48,48,48	0
59	MG	AA	3568	1/1	0.97	0.17	41,41,41,41	0
59	MG	AA	4010	1/1	0.97	0.08	74,74,74,74	0
59	MG	DA	3696	1/1	0.97	0.07	19,19,19,19	0
59	MG	DA	3387	1/1	0.97	0.08	47,47,47,47	0
59	MG	DA	4076	1/1	0.97	0.09	27,27,27,27	0
59	MG	AA	3016	1/1	0.97	0.12	9,9,9,9	0
59	MG	BA	1903	1/1	0.97	0.03	71,71,71,71	0
59	MG	DA	3703	1/1	0.97	0.18	12,12,12,12	0
59	MG	DA	4283	1/1	0.97	0.06	63,63,63,63	0
59	MG	DA	3704	1/1	0.97	0.14	33,33,33,33	0
59	MG	CA	1655	1/1	0.97	0.04	18,18,18,18	0
59	MG	DA	4729	1/1	0.97	0.19	39,39,39,39	0
59	MG	DA	3707	1/1	0.97	0.03	28,28,28,28	0
59	MG	DF	322	1/1	0.97	0.44	40,40,40,40	0
59	MG	DA	4083	1/1	0.97	0.08	52,52,52,52	0
59	MG	DA	3250	1/1	0.97	0.08	13,13,13,13	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3709	1/1	0.97	0.07	46,46,46,46	0
59	MG	DA	3251	1/1	0.97	0.04	12,12,12,12	0
59	MG	DA	4293	1/1	0.97	0.27	54,54,54,54	0
59	MG	CA	1880	1/1	0.97	0.04	35,35,35,35	0
59	MG	DA	4295	1/1	0.97	0.07	48,48,48,48	0
59	MG	BA	2005	1/1	0.97	0.04	75,75,75,75	0
59	MG	CA	2039	1/1	0.97	0.09	66,66,66,66	0
59	MG	DA	3897	1/1	0.97	0.08	27,27,27,27	0
59	MG	AA	3058	1/1	0.97	0.05	25,25,25,25	0
59	MG	DA	3545	1/1	0.97	0.04	36,36,36,36	0
59	MG	DA	4094	1/1	0.97	0.05	41,41,41,41	0
59	MG	DA	3398	1/1	0.97	0.10	75,75,75,75	0
59	MG	AA	3099	1/1	0.97	0.07	33,33,33,33	0
59	MG	BA	2008	1/1	0.97	0.04	50,50,50,50	0
59	MG	BV	101	1/1	0.97	0.03	73,73,73,73	0
59	MG	DA	3402	1/1	0.97	0.04	24,24,24,24	0
59	MG	AA	3708	1/1	0.97	0.03	49,49,49,49	0
59	MG	DA	3724	1/1	0.97	0.18	45,45,45,45	0
59	MG	AA	3127	1/1	0.97	0.04	46,46,46,46	0
59	MG	DA	4531	1/1	0.97	0.14	57,57,57,57	0
59	MG	AA	3227	1/1	0.97	0.14	30,30,30,30	0
59	MG	CC	121	1/1	0.97	0.06	49,49,49,49	0
59	MG	CA	1665	1/1	0.97	0.05	31,31,31,31	0
59	MG	CA	1811	1/1	0.97	0.05	46,46,46,46	0
59	MG	AA	3462	1/1	0.97	0.06	32,32,32,32	0
59	MG	BA	1961	1/1	0.97	0.05	49,49,49,49	0
59	MG	DA	3733	1/1	0.97	0.05	40,40,40,40	0
59	MG	CC	126	1/1	0.97	0.09	55,55,55,55	0
59	MG	DO	203	1/1	0.97	0.11	32,32,32,32	0
59	MG	AA	3489	1/1	0.97	0.07	63,63,63,63	0
59	MG	BA	1713	1/1	0.97	0.23	48,48,48,48	0
59	MG	AA	3228	1/1	0.97	0.04	53,53,53,53	0
59	MG	DA	4324	1/1	0.97	0.05	49,49,49,49	0
59	MG	AA	3578	1/1	0.97	0.09	33,33,33,33	0
59	MG	DA	3740	1/1	0.97	0.05	49,49,49,49	0
59	MG	DA	4547	1/1	0.97	0.12	46,46,46,46	0
59	MG	DA	3273	1/1	0.97	0.09	18,18,18,18	0
59	MG	DA	3925	1/1	0.97	0.04	25,25,25,25	0
59	MG	DA	4550	1/1	0.97	0.06	61,61,61,61	0
59	MG	DA	3742	1/1	0.97	0.05	65,65,65,65	0
59	MG	AA	3579	1/1	0.97	0.06	83,83,83,83	0
59	MG	DA	4120	1/1	0.97	0.12	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	3928	1/1	0.97	0.06	49,49,49,49	0
59	MG	DP	202	1/1	0.97	0.19	53,53,53,53	0
59	MG	DA	3744	1/1	0.97	0.05	58,58,58,58	0
59	MG	AA	3644	1/1	0.97	0.06	56,56,56,56	0
59	MG	CA	2301	1/1	0.97	0.06	55,55,55,55	0
59	MG	DA	3001	1/1	0.97	0.14	8,8,8,8	0
59	MG	D0	204	1/1	0.97	0.09	27,27,27,27	0
59	MG	AA	3143	1/1	0.97	0.08	37,37,37,37	0
59	MG	DA	3279	1/1	0.97	0.21	45,45,45,45	0
59	MG	DA	3003	1/1	0.97	0.10	11,11,11,11	0
59	MG	DA	3005	1/1	0.97	0.14	17,17,17,17	0
59	MG	DA	4564	1/1	0.97	0.07	39,39,39,39	0
59	MG	DA	5020	1/1	0.97	0.08	63,63,63,63	0
59	MG	DA	3941	1/1	0.97	0.03	61,61,61,61	0
59	MG	DA	3006	1/1	0.97	0.05	14,14,14,14	0
59	MG	CA	1601	1/1	0.97	0.04	41,41,41,41	0
59	MG	AA	3183	1/1	0.97	0.16	29,29,29,29	0
59	MG	DA	3010	1/1	0.97	0.07	10,10,10,10	0
59	MG	DA	4346	1/1	0.97	0.09	44,44,44,44	0
59	MG	CA	1678	1/1	0.97	0.34	65,65,65,65	0
59	MG	CA	1748	1/1	0.97	0.12	27,27,27,27	0
59	MG	AA	3378	1/1	0.97	0.05	50,50,50,50	0
59	MG	D1	204	1/1	0.97	0.09	59,59,59,59	0
59	MG	CA	1680	1/1	0.97	0.13	40,40,40,40	0
59	MG	DA	3155	1/1	0.97	0.12	32,32,32,32	0
59	MG	DA	4797	1/1	0.97	0.06	88,88,88,88	0
59	MG	DA	3017	1/1	0.97	0.11	7,7,7,7	0
59	MG	DA	3587	1/1	0.97	0.14	21,21,21,21	0
59	MG	CA	1751	1/1	0.97	0.15	34,34,34,34	0
59	MG	DA	3436	1/1	0.97	0.10	48,48,48,48	0
59	MG	DA	3158	1/1	0.97	0.06	28,28,28,28	0
59	MG	CA	1604	1/1	0.97	0.12	10,10,10,10	0
59	MG	DA	3020	1/1	0.97	0.04	21,21,21,21	0
59	MG	AA	3793	1/1	0.97	0.08	63,63,63,63	0
59	MG	DA	4361	1/1	0.97	0.08	47,47,47,47	0
59	MG	DA	5045	1/1	0.97	0.10	72,72,72,72	0
59	MG	CA	1607	1/1	0.97	0.12	20,20,20,20	0
59	MG	DA	3597	1/1	0.97	0.15	23,23,23,23	0
59	MG	DA	3443	1/1	0.97	0.07	54,54,54,54	0
59	MG	DA	3599	1/1	0.97	0.07	6,6,6,6	0
59	MG	DA	3964	1/1	0.97	0.09	68,68,68,68	0
59	MG	DA	3776	1/1	0.97	0.10	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BG	303	1/1	0.97	0.09	59,59,59,59	0
59	MG	DA	3967	1/1	0.97	0.05	80,80,80,80	0
59	MG	DA	3778	1/1	0.97	0.06	18,18,18,18	0
59	MG	DA	4372	1/1	0.97	0.07	53,53,53,53	0
59	MG	DA	4373	1/1	0.97	0.12	62,62,62,62	0
59	MG	DA	3164	1/1	0.97	0.16	53,53,53,53	0
59	MG	DA	4162	1/1	0.97	0.20	59,59,59,59	0
59	MG	AA	3231	1/1	0.97	0.06	43,43,43,43	0
59	MG	DT	103	1/1	0.97	0.09	40,40,40,40	0
59	MG	CA	1757	1/1	0.97	0.06	26,26,26,26	0
59	MG	DA	3973	1/1	0.97	0.04	60,60,60,60	0
59	MG	DA	3782	1/1	0.97	0.06	38,38,38,38	0
59	MG	DA	5064	1/1	0.97	0.09	61,61,61,61	0
59	MG	DA	4167	1/1	0.97	0.15	44,44,44,44	0
59	MG	DU	202	1/1	0.97	0.04	17,17,17,17	0
59	MG	DA	3783	1/1	0.97	0.04	63,63,63,63	0
59	MG	AA	3871	1/1	0.97	0.10	51,51,51,51	0
59	MG	CA	1837	1/1	0.97	0.04	79,79,79,79	0
59	MG	DA	3032	1/1	0.97	0.08	6,6,6,6	0
59	MG	DA	5070	1/1	0.97	0.05	51,51,51,51	0
59	MG	DA	4172	1/1	0.97	0.08	41,41,41,41	0
59	MG	DA	3034	1/1	0.97	0.14	11,11,11,11	0
59	MG	DA	3035	1/1	0.97	0.09	15,15,15,15	0
59	MG	DA	4610	1/1	0.97	0.04	114,114,114,114	0
59	MG	AA	3616	1/1	0.97	0.04	42,42,42,42	0
59	MG	DA	3174	1/1	0.97	0.07	30,30,30,30	0
59	MG	DA	3175	1/1	0.97	0.06	21,21,21,21	0
59	MG	DA	3038	1/1	0.97	0.08	13,13,13,13	0
59	MG	DA	3039	1/1	0.97	0.09	10,10,10,10	0
59	MG	AO	203	1/1	0.97	0.14	47,47,47,47	0
59	MG	DA	4395	1/1	0.97	0.13	46,46,46,46	0
59	MG	CA	1690	1/1	0.97	0.07	43,43,43,43	0
59	MG	AA	3108	1/1	0.97	0.18	41,41,41,41	0
59	MG	CA	1763	1/1	0.97	0.11	39,39,39,39	0
59	MG	DA	3800	1/1	0.97	0.08	33,33,33,33	0
59	MG	DA	4622	1/1	0.97	0.14	54,54,54,54	0
59	MG	DA	3046	1/1	0.97	0.20	12,12,12,12	0
59	MG	AA	3017	1/1	0.97	0.26	29,29,29,29	0
59	MG	DA	3993	1/1	0.97	0.06	51,51,51,51	0
59	MG	DA	3323	1/1	0.97	0.24	41,41,41,41	0
59	MG	DA	3804	1/1	0.97	0.13	36,36,36,36	0
59	MG	DA	3996	1/1	0.97	0.04	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4192	1/1	0.97	0.40	65,65,65,65	0
59	MG	DA	3184	1/1	0.97	0.14	40,40,40,40	0
59	MG	DA	4411	1/1	0.97	0.06	42,42,42,42	0
59	MG	DA	4857	1/1	0.97	0.07	56,56,56,56	0
59	MG	DA	3185	1/1	0.97	0.12	54,54,54,54	0
59	MG	DA	4196	1/1	0.97	0.11	43,43,43,43	0
59	MG	DA	3186	1/1	0.97	0.10	39,39,39,39	0
59	MG	AA	3652	1/1	0.97	0.05	44,44,44,44	0
59	MG	AA	3186	1/1	0.97	0.03	19,19,19,19	0
59	MG	CA	2243	1/1	0.97	0.06	53,53,53,53	0
59	MG	DA	3474	1/1	0.97	0.17	41,41,41,41	0
59	MG	AA	3762	1/1	0.97	0.06	63,63,63,63	0
59	MG	DA	4203	1/1	0.97	0.07	50,50,50,50	0
59	MG	DA	3056	1/1	0.97	0.11	12,12,12,12	0
59	MG	CA	2163	1/1	0.97	0.06	61,61,61,61	0
59	MG	DA	4643	1/1	0.97	0.13	59,59,59,59	0
59	MG	DA	3633	1/1	0.97	0.10	48,48,48,48	0
59	MG	DA	4645	1/1	0.97	0.15	59,59,59,59	0
59	MG	D5	101	1/1	0.97	0.09	31,31,31,31	0
59	MG	CA	1696	1/1	0.97	0.07	33,33,33,33	0
59	MG	DA	3062	1/1	0.97	0.11	19,19,19,19	0
59	MG	DA	3063	1/1	0.97	0.25	23,23,23,23	0
59	MG	D5	106	1/1	0.97	0.19	58,58,58,58	0
59	MG	DA	3064	1/1	0.97	0.06	35,35,35,35	0
59	MG	DA	3482	1/1	0.97	0.09	39,39,39,39	0
59	MG	AA	4156	1/1	0.97	0.06	59,59,59,59	0
59	MG	DA	3069	1/1	0.97	0.15	16,16,16,16	0
59	MG	DA	3339	1/1	0.97	0.09	68,68,68,68	0
59	MG	DA	3070	1/1	0.97	0.12	24,24,24,24	0
59	MG	CA	1926	1/1	0.97	0.07	88,88,88,88	0
59	MG	DA	3488	1/1	0.97	0.14	37,37,37,37	0
59	MG	CA	2085	1/1	0.97	0.07	58,58,58,58	0
59	MG	DA	3830	1/1	0.97	0.21	39,39,39,39	0
59	MG	DA	4023	1/1	0.97	0.04	41,41,41,41	0
59	MG	DB	251	1/1	0.97	0.06	49,49,49,49	0
59	MG	DA	3646	1/1	0.97	0.13	53,53,53,53	0
59	MG	DA	4224	1/1	0.97	0.07	90,90,90,90	0
59	MG	D8	106	1/1	0.97	0.04	41,41,41,41	0
59	MG	D8	107	1/1	0.97	0.12	44,44,44,44	0
59	MG	DA	4441	1/1	0.97	0.08	62,62,62,62	0
59	MG	DA	4225	1/1	0.97	0.05	83,83,83,83	0
59	MG	DA	4226	1/1	0.97	0.08	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	BA	1732	1/1	0.97	0.33	62,62,62,62	0
59	MG	DA	4666	1/1	0.97	0.10	60,60,60,60	0
59	MG	DA	4835	1/1	0.98	0.07	65,65,65,65	0
59	MG	DA	4501	1/1	0.98	0.10	54,54,54,54	0
59	MG	DA	3041	1/1	0.98	0.13	20,20,20,20	0
59	MG	CL	201	1/1	0.98	0.05	54,54,54,54	0
59	MG	DA	4189	1/1	0.98	0.03	60,60,60,60	0
59	MG	DA	3546	1/1	0.98	0.20	29,29,29,29	0
59	MG	AA	3147	1/1	0.98	0.06	60,60,60,60	0
59	MG	AA	3277	1/1	0.98	0.05	42,42,42,42	0
59	MG	AA	3383	1/1	0.98	0.07	24,24,24,24	0
59	MG	DA	4194	1/1	0.98	0.06	37,37,37,37	0
59	MG	DA	3444	1/1	0.98	0.20	56,56,56,56	0
59	MG	DA	3788	1/1	0.98	0.06	50,50,50,50	0
59	MG	DA	5024	1/1	0.98	0.04	43,43,43,43	0
59	MG	CA	1662	1/1	0.98	0.03	19,19,19,19	0
59	MG	DA	3048	1/1	0.98	0.06	15,15,15,15	0
59	MG	AA	3062	1/1	0.98	0.07	29,29,29,29	0
59	MG	DA	3920	1/1	0.98	0.08	50,50,50,50	0
59	MG	DA	4058	1/1	0.98	0.06	81,81,81,81	0
59	MG	CP	201	1/1	0.98	0.06	54,54,54,54	0
59	MG	DA	4518	1/1	0.98	0.13	49,49,49,49	0
59	MG	DA	3051	1/1	0.98	0.12	17,17,17,17	0
59	MG	DA	3052	1/1	0.98	0.05	19,19,19,19	0
59	MG	CB	119	1/1	0.98	0.03	69,69,69,69	0
59	MG	DA	4358	1/1	0.98	0.06	56,56,56,56	0
59	MG	AA	3513	1/1	0.98	0.20	28,28,28,28	0
59	MG	AA	3098	1/1	0.98	0.14	45,45,45,45	0
59	MG	DA	3798	1/1	0.98	0.10	30,30,30,30	0
59	MG	DA	3454	1/1	0.98	0.10	51,51,51,51	0
59	MG	DA	3249	1/1	0.98	0.05	13,13,13,13	0
59	MG	DA	3563	1/1	0.98	0.08	44,44,44,44	0
59	MG	DA	4365	1/1	0.98	0.18	61,61,61,61	0
59	MG	DA	4069	1/1	0.98	0.04	24,24,24,24	0
59	MG	AA	3003	1/1	0.98	0.03	12,12,12,12	0
59	MG	DA	4532	1/1	0.98	0.17	45,45,45,45	0
59	MG	DA	5048	1/1	0.98	0.09	64,64,64,64	0
59	MG	DA	3057	1/1	0.98	0.09	6,6,6,6	0
59	MG	CC	102	1/1	0.98	0.06	28,28,28,28	0
59	MG	DA	3935	1/1	0.98	0.04	75,75,75,75	0
59	MG	DA	3936	1/1	0.98	0.04	61,61,61,61	0
59	MG	BA	1901	1/1	0.98	0.04	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4220	1/1	0.98	0.04	40,40,40,40	0
59	MG	DA	3938	1/1	0.98	0.05	96,96,96,96	0
59	MG	DO	206	1/1	0.98	0.22	51,51,51,51	0
59	MG	DA	3939	1/1	0.98	0.05	47,47,47,47	0
59	MG	DA	3568	1/1	0.98	0.08	54,54,54,54	0
59	MG	DO	209	1/1	0.98	0.08	60,60,60,60	0
59	MG	DA	3254	1/1	0.98	0.07	25,25,25,25	0
59	MG	DA	3461	1/1	0.98	0.05	34,34,34,34	0
59	MG	CA	1609	1/1	0.98	0.09	31,31,31,31	0
59	MG	DA	4882	1/1	0.98	0.08	74,74,74,74	0
59	MG	DA	3810	1/1	0.98	0.09	39,39,39,39	0
59	MG	AA	3232	1/1	0.98	0.05	25,25,25,25	0
59	MG	BA	1672	1/1	0.98	0.21	39,39,39,39	0
59	MG	DA	3687	1/1	0.98	0.10	41,41,41,41	0
59	MG	DA	3688	1/1	0.98	0.09	42,42,42,42	0
59	MG	CA	1671	1/1	0.98	0.17	24,24,24,24	0
59	MG	DA	3068	1/1	0.98	0.07	15,15,15,15	0
59	MG	DA	3817	1/1	0.98	0.06	46,46,46,46	0
59	MG	BA	1904	1/1	0.98	0.09	38,38,38,38	0
59	MG	D0	201	1/1	0.98	0.13	37,37,37,37	0
59	MG	DA	4091	1/1	0.98	0.07	42,42,42,42	0
59	MG	DA	4390	1/1	0.98	0.21	53,53,53,53	0
59	MG	DA	3363	1/1	0.98	0.03	36,36,36,36	0
59	MG	CA	1613	1/1	0.98	0.10	41,41,41,41	0
59	MG	DA	3071	1/1	0.98	0.11	13,13,13,13	0
59	MG	DA	3165	1/1	0.98	0.20	46,46,46,46	0
59	MG	DA	3698	1/1	0.98	0.08	35,35,35,35	0
59	MG	DA	4561	1/1	0.98	0.25	43,43,43,43	0
59	MG	BA	1856	1/1	0.98	0.06	60,60,60,60	0
59	MG	AA	3047	1/1	0.98	0.05	28,28,28,28	0
59	MG	DB	204	1/1	0.98	0.04	23,23,23,23	0
59	MG	DA	4244	1/1	0.98	0.06	44,44,44,44	0
59	MG	DA	4399	1/1	0.98	0.08	47,47,47,47	0
59	MG	AA	3308	1/1	0.98	0.06	38,38,38,38	0
59	MG	DA	3075	1/1	0.98	0.12	19,19,19,19	0
59	MG	AA	3087	1/1	0.98	0.11	20,20,20,20	0
59	MG	DA	4907	1/1	0.98	0.20	57,57,57,57	0
59	MG	DA	3963	1/1	0.98	0.09	59,59,59,59	0
59	MG	CA	1619	1/1	0.98	0.10	24,24,24,24	0
59	MG	CA	1620	1/1	0.98	0.07	39,39,39,39	0
59	MG	DA	4406	1/1	0.98	0.16	54,54,54,54	0
59	MG	DA	4251	1/1	0.98	0.06	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	CA	1621	1/1	0.98	0.14	45,45,45,45	0
59	MG	DB	218	1/1	0.98	0.21	44,44,44,44	0
59	MG	CV	101	1/1	0.98	0.11	53,53,53,53	0
59	MG	DA	4410	1/1	0.98	0.07	59,59,59,59	0
59	MG	CA	1681	1/1	0.98	0.10	24,24,24,24	0
59	MG	AA	3001	1/1	0.98	0.14	21,21,21,21	0
59	MG	DA	3970	1/1	0.98	0.12	50,50,50,50	0
59	MG	BA	1910	1/1	0.98	0.05	59,59,59,59	0
59	MG	DA	4921	1/1	0.98	0.15	67,67,67,67	0
59	MG	AA	3483	1/1	0.98	0.17	65,65,65,65	0
59	MG	CA	1803	1/1	0.98	0.04	36,36,36,36	0
59	MG	AA	3066	1/1	0.98	0.06	17,17,17,17	0
59	MG	CA	1868	1/1	0.98	0.04	29,29,29,29	0
59	MG	DA	3717	1/1	0.98	0.03	1,1,1,1	0
59	MG	AA	3175	1/1	0.98	0.13	29,29,29,29	0
59	MG	AA	3600	1/1	0.98	0.03	46,46,46,46	0
59	MG	DA	3601	1/1	0.98	0.04	1,1,1,1	0
59	MG	AA	3394	1/1	0.98	0.04	45,45,45,45	0
59	MG	AA	3136	1/1	0.98	0.16	38,38,38,38	0
59	MG	DA	3723	1/1	0.98	0.10	19,19,19,19	0
59	MG	AA	3011	1/1	0.98	0.13	17,17,17,17	0
59	MG	CA	1810	1/1	0.98	0.06	61,61,61,61	0
59	MG	DA	3095	1/1	0.98	0.20	27,27,27,27	0
59	MG	AA	3034	1/1	0.98	0.07	41,41,41,41	0
59	MG	AA	3139	1/1	0.98	0.03	45,45,45,45	0
59	MG	DA	3098	1/1	0.98	0.06	34,34,34,34	0
59	MG	AA	3092	1/1	0.98	0.14	16,16,16,16	0
59	MG	AA	3492	1/1	0.98	0.03	48,48,48,48	0
59	MG	DA	4434	1/1	0.98	0.09	59,59,59,59	0
59	MG	DA	3395	1/1	0.98	0.26	42,42,42,42	0
59	MG	AA	3035	1/1	0.98	0.04	17,17,17,17	0
59	MG	CA	1636	1/1	0.98	0.06	16,16,16,16	0
59	MG	DA	3295	1/1	0.98	0.11	14,14,14,14	0
59	MG	AA	3459	1/1	0.98	0.20	30,30,30,30	0
59	MG	DA	3860	1/1	0.98	0.13	55,55,55,55	0
59	MG	DA	3505	1/1	0.98	0.06	51,51,51,51	0
59	MG	DA	3197	1/1	0.98	0.03	19,19,19,19	0
59	MG	DA	4138	1/1	0.98	0.05	54,54,54,54	0
59	MG	DA	4286	1/1	0.98	0.06	49,49,49,49	0
59	MG	DA	4445	1/1	0.98	0.14	21,21,21,21	0
59	MG	AA	3142	1/1	0.98	0.03	12,12,12,12	0
59	MG	DA	3105	1/1	0.98	0.09	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	4141	1/1	0.98	0.35	66,66,66,66	0
59	MG	CA	1819	1/1	0.98	0.05	72,72,72,72	0
59	MG	AA	3223	1/1	0.98	0.06	14,14,14,14	0
59	MG	DA	3009	1/1	0.98	0.07	10,10,10,10	0
59	MG	DA	4959	1/1	0.98	0.06	45,45,45,45	0
59	MG	DA	4145	1/1	0.98	0.09	44,44,44,44	0
59	MG	DA	3109	1/1	0.98	0.07	18,18,18,18	0
59	MG	AA	3094	1/1	0.98	0.09	21,21,21,21	0
59	MG	DA	3011	1/1	0.98	0.17	1,1,1,1	0
59	MG	DA	4298	1/1	0.98	0.08	62,62,62,62	0
59	MG	AA	3463	1/1	0.98	0.04	3,3,3,3	0
59	MG	AA	3006	1/1	0.98	0.11	14,14,14,14	0
59	MG	DA	3114	1/1	0.98	0.22	47,47,47,47	0
59	MG	AA	3465	1/1	0.98	0.04	28,28,28,28	0
59	MG	DA	4303	1/1	0.98	0.10	47,47,47,47	0
59	MG	DA	3753	1/1	0.98	0.06	62,62,62,62	0
59	MG	AE	301	1/1	0.98	0.12	35,35,35,35	0
59	MG	AA	3577	1/1	0.98	0.03	80,80,80,80	0
59	MG	DA	4014	1/1	0.98	0.08	50,50,50,50	0
59	MG	DA	4157	1/1	0.98	0.14	37,37,37,37	0
59	MG	DD	303	1/1	0.98	0.04	16,16,16,16	0
59	MG	BA	1653	1/1	0.98	0.24	47,47,47,47	0
59	MG	AA	4135	1/1	0.98	0.13	64,64,64,64	0
59	MG	BA	1611	1/1	0.98	0.08	37,37,37,37	0
59	MG	DA	4471	1/1	0.98	0.10	46,46,46,46	0
59	MG	DA	4312	1/1	0.98	0.06	49,49,49,49	0
59	MG	CA	1830	1/1	0.98	0.03	59,59,59,59	0
59	MG	DA	4981	1/1	0.98	0.12	41,41,41,41	0
59	MG	AA	3501	1/1	0.98	0.08	24,24,24,24	0
59	MG	DA	3883	1/1	0.98	0.12	74,74,74,74	0
59	MG	DA	3884	1/1	0.98	0.07	60,60,60,60	0
59	MG	DA	3319	1/1	0.98	0.05	46,46,46,46	0
59	MG	DA	4025	1/1	0.98	0.05	48,48,48,48	0
59	MG	DE	302	1/1	0.98	0.10	8,8,8,8	0
59	MG	DA	4987	1/1	0.98	0.19	37,37,37,37	0
59	MG	D5	102	1/1	0.98	0.16	24,24,24,24	0
59	MG	DA	4479	1/1	0.98	0.04	50,50,50,50	0
59	MG	AA	3696	1/1	0.98	0.09	47,47,47,47	0
59	MG	DA	3763	1/1	0.98	0.09	8,8,8,8	0
59	MG	CA	1961	1/1	0.98	0.24	70,70,70,70	0
59	MG	DA	3125	1/1	0.98	0.27	37,37,37,37	0
59	MG	AA	3002	1/1	0.98	0.04	14,14,14,14	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	AA	3377	1/1	0.98	0.06	19,19,19,19	0
59	MG	DA	3029	1/1	0.98	0.10	7,7,7,7	0
59	MG	DA	3895	1/1	0.98	0.11	14,14,14,14	0
59	MG	DA	3129	1/1	0.98	0.13	14,14,14,14	0
59	MG	DA	4489	1/1	0.98	0.08	42,42,42,42	0
59	MG	DA	3225	1/1	0.98	0.04	39,39,39,39	0
59	MG	DA	4824	1/1	0.98	0.07	71,71,71,71	0
59	MG	DF	302	1/1	0.98	0.07	46,46,46,46	0
59	MG	BA	1842	1/1	0.98	0.04	92,92,92,92	0
59	MG	DA	3031	1/1	0.98	0.14	3,3,3,3	0
59	MG	AA	3468	1/1	0.98	0.05	22,22,22,22	0
59	MG	DA	3774	1/1	0.98	0.06	37,37,37,37	0
59	MG	CA	2096	1/1	0.98	0.10	60,60,60,60	0
59	MG	AA	3111	1/1	0.98	0.04	46,46,46,46	0
59	MG	AA	3251	1/1	0.98	0.07	24,24,24,24	0
59	MG	CB	110	1/1	0.98	0.10	39,39,39,39	0
59	MG	DA	5009	1/1	0.98	0.08	66,66,66,66	0
60	ZN	BG	308	1/1	0.98	0.13	71,71,71,71	0
59	MG	AA	3275	1/1	0.98	0.19	58,58,58,58	0
59	MG	DA	3040	1/1	0.98	0.11	14,14,14,14	0
59	MG	DA	3198	1/1	0.99	0.07	21,21,21,21	0
59	MG	CA	1606	1/1	0.99	0.03	22,22,22,22	0
59	MG	AA	3028	1/1	0.99	0.05	15,15,15,15	0
59	MG	DA	4725	1/1	0.99	0.09	56,56,56,56	0
59	MG	DA	4460	1/1	0.99	0.04	61,61,61,61	0
59	MG	AA	3009	1/1	0.99	0.06	18,18,18,18	0
59	MG	AA	3079	1/1	0.99	0.04	40,40,40,40	0
59	MG	DA	3016	1/1	0.99	0.05	4,4,4,4	0
59	MG	BA	1610	1/1	0.99	0.03	25,25,25,25	0
59	MG	DA	4205	1/1	0.99	0.03	37,37,37,37	0
59	MG	AA	3004	1/1	0.99	0.09	7,7,7,7	0
59	MG	AA	3236	1/1	0.99	0.04	20,20,20,20	0
59	MG	DA	3047	1/1	0.99	0.05	1,1,1,1	0
59	MG	DB	206	1/1	0.99	0.02	34,34,34,34	0
59	MG	AA	3043	1/1	0.99	0.02	42,42,42,42	0
59	MG	DA	3734	1/1	0.99	0.06	55,55,55,55	0
59	MG	AA	3326	1/1	0.99	0.06	22,22,22,22	0
59	MG	AF	304	1/1	0.99	0.09	42,42,42,42	0
59	MG	D1	203	1/1	0.99	0.03	42,42,42,42	0
59	MG	DA	4850	1/1	0.99	0.06	38,38,38,38	0
59	MG	AA	3015	1/1	0.99	0.06	19,19,19,19	0
59	MG	DA	3650	1/1	0.99	0.04	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
59	MG	DA	5029	1/1	0.99	0.13	39,39,39,39	0
59	MG	DA	4796	1/1	0.99	0.16	45,45,45,45	0
59	MG	DA	4912	1/1	0.99	0.08	42,42,42,42	0
59	MG	DA	3024	1/1	0.99	0.07	9,9,9,9	0
59	MG	AA	3070	1/1	0.99	0.05	35,35,35,35	0
59	MG	DA	3694	1/1	0.99	0.04	41,41,41,41	0
59	MG	DA	3921	1/1	0.99	0.14	24,24,24,24	0
59	MG	DA	5036	1/1	0.99	0.06	52,52,52,52	0
59	MG	D2	203	1/1	0.99	0.12	57,57,57,57	0
59	MG	CA	1618	1/1	0.99	0.06	24,24,24,24	0
59	MG	DA	3316	1/1	0.99	0.03	43,43,43,43	0
59	MG	DA	3027	1/1	0.99	0.03	15,15,15,15	0
59	MG	DA	3699	1/1	0.99	0.12	1,1,1,1	0
59	MG	DA	4022	1/1	0.99	0.24	41,41,41,41	0
59	MG	AA	3509	1/1	0.99	0.10	19,19,19,19	0
59	MG	DA	4024	1/1	0.99	0.05	47,47,47,47	0
59	MG	DA	3004	1/1	0.99	0.04	9,9,9,9	0
59	MG	DA	3058	1/1	0.99	0.10	15,15,15,15	0
59	MG	DA	3618	1/1	0.99	0.02	14,14,14,14	0
59	MG	CA	1640	1/1	0.99	0.02	28,28,28,28	0
59	MG	A5	101	1/1	0.99	0.05	23,23,23,23	0
59	MG	DA	3092	1/1	0.99	0.04	3,3,3,3	0
59	MG	DA	3061	1/1	0.99	0.06	23,23,23,23	0
59	MG	DA	3886	1/1	0.99	0.04	48,48,48,48	0
59	MG	DA	4873	1/1	0.99	0.06	49,49,49,49	0
59	MG	AA	3169	1/1	0.99	0.03	11,11,11,11	0
59	MG	D7	102	1/1	0.99	0.06	41,41,41,41	0
59	MG	DA	3033	1/1	0.99	0.15	13,13,13,13	0
59	MG	AA	3133	1/1	0.99	0.03	25,25,25,25	0
59	MG	DA	3292	1/1	0.99	0.05	48,48,48,48	0
59	MG	DA	3065	1/1	0.99	0.03	6,6,6,6	0
59	MG	DA	3438	1/1	0.99	0.08	32,32,32,32	0
59	MG	DA	4291	1/1	0.99	0.04	58,58,58,58	0
59	MG	DA	3893	1/1	0.99	0.06	7,7,7,7	0
59	MG	AA	3134	1/1	0.99	0.07	22,22,22,22	0
59	MG	DA	3067	1/1	0.99	0.22	14,14,14,14	0
59	MG	DA	3591	1/1	0.99	0.05	16,16,16,16	0
59	MG	BA	1735	1/1	0.99	0.04	40,40,40,40	0
59	MG	DA	4772	1/1	0.99	0.05	46,46,46,46	0
59	MG	DA	3297	1/1	0.99	0.10	27,27,27,27	0
59	MG	DA	3899	1/1	0.99	0.08	8,8,8,8	0
60	ZN	BQ	104	1/1	0.99	0.03	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
60	ZN	CG	301	1/1	0.99	0.14	74,74,74,74	0
59	MG	DA	3554	1/1	0.99	0.27	51,51,51,51	0
59	MG	BA	1787	1/1	0.99	0.12	49,49,49,49	0
59	MG	DA	3705	1/1	1.00	0.03	1,1,1,1	0
59	MG	DA	3726	1/1	1.00	0.05	1,1,1,1	0
59	MG	DA	3697	1/1	1.00	0.04	6,6,6,6	0
59	MG	DA	3589	1/1	1.00	0.03	7,7,7,7	0
59	MG	DA	3037	1/1	1.00	0.06	1,1,1,1	0
59	MG	AA	3522	1/1	1.00	0.02	14,14,14,14	0

6.5 Other polymers [i](#)

There are no such residues in this entry.