



wwPDB X-ray Structure Validation Summary Report ⓘ

May 16, 2020 – 09:20 pm BST

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

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.11
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.11

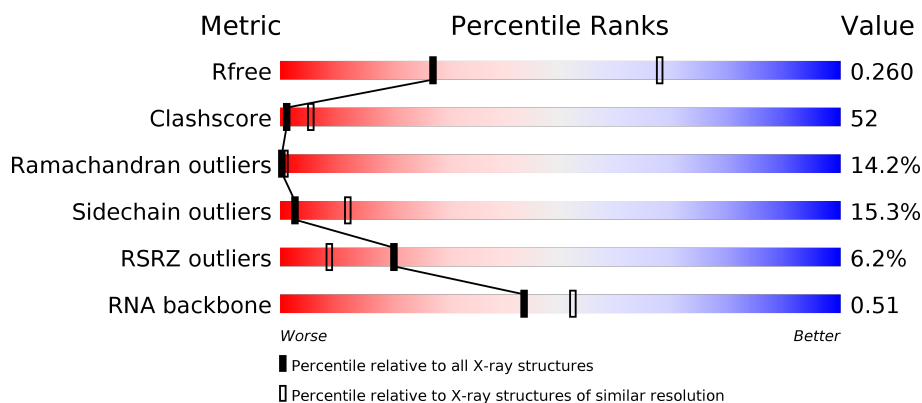
1 Overall quality at a glance

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}	130704	1094 (3.10-3.10)
Clashscore	141614	1184 (3.10-3.10)
Ramachandran outliers	138981	1141 (3.10-3.10)
Sidechain outliers	138945	1141 (3.10-3.10)
RSRZ outliers	127900	1067 (3.10-3.10)
RNA backbone	3102	1116 (3.40-2.80)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments on the lower bar indicate the fraction of residues that contain outliers for ≥ 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	 3% 22% 49% 24% 5%
2	AB	122	 2% 27% 48% 24% 1%
2	DB	122	 % 34% 44% 20% %
3	AD	276	 % 27% 53% 16% %

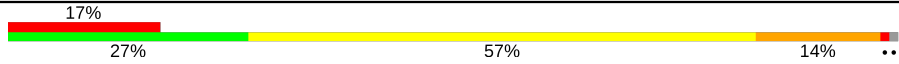
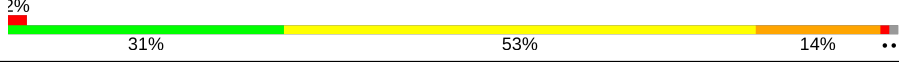
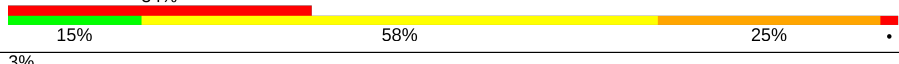
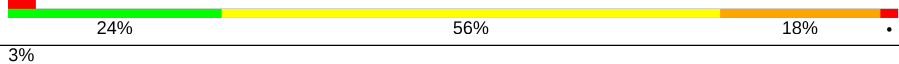
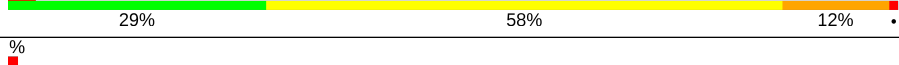
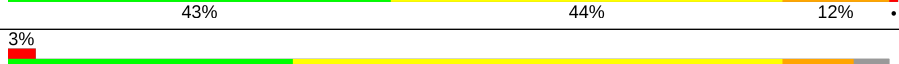
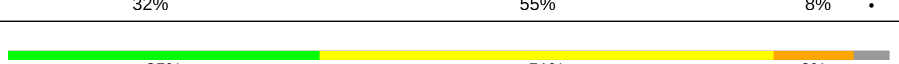
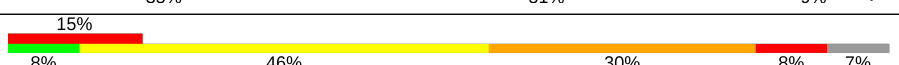
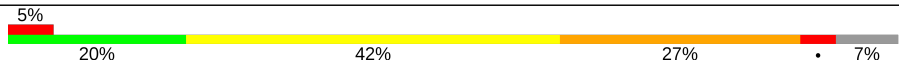

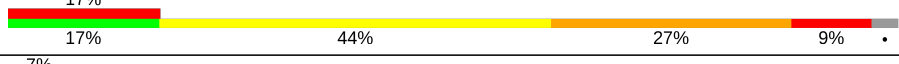
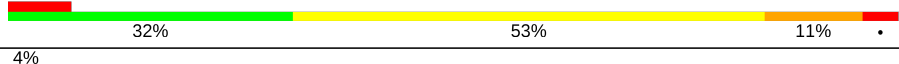
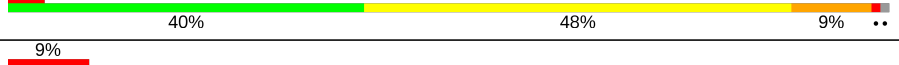
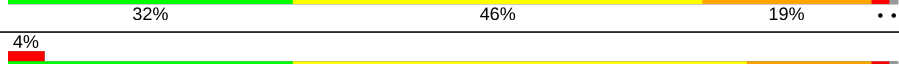
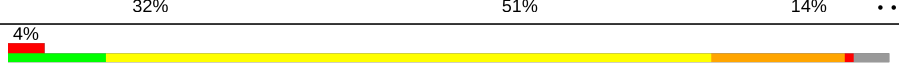
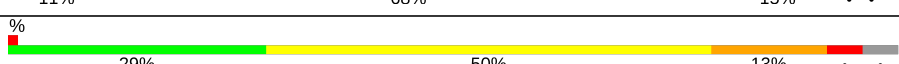
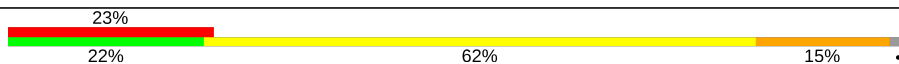




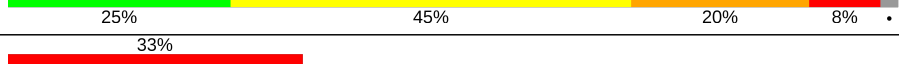



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Mol	Chain	Length	Quality of chain
3	DD	276	
4	AE	206	
4	DE	206	
5	AF	210	
5	DF	210	
6	AG	182	
6	DG	182	
7	AH	180	
7	DH	180	
8	AK	148	
8	DK	148	
9	AM	140	
9	DM	140	
10	AN	122	
10	DN	122	
11	AO	150	
11	DO	150	
12	AP	141	
12	DP	141	
13	A0	118	
13	D0	118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

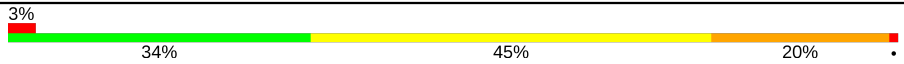
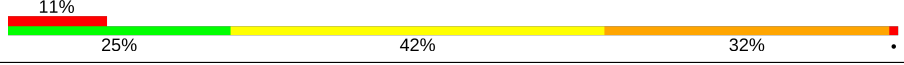
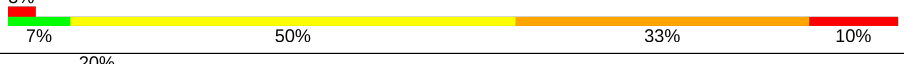
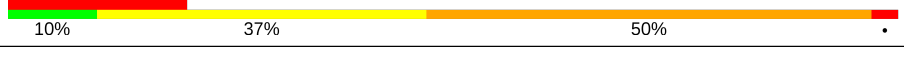
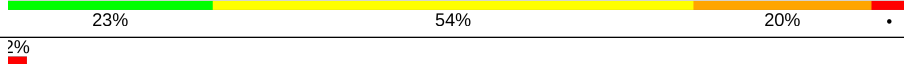
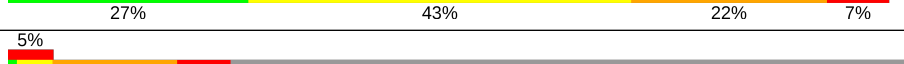


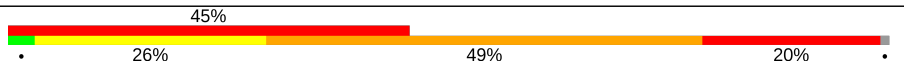

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Mol	Chain	Length	Quality of chain
41	CN	129	
42	BO	132	
42	CO	132	
43	BP	126	
43	CP	126	
44	BQ	61	
44	CQ	61	
45	BR	89	
45	CR	89	
46	BS	88	
46	CS	88	
47	BT	105	
47	CT	105	
48	BU	88	
48	CU	88	
49	BV	93	
49	CV	93	
50	BW	106	
50	CW	106	
51	BX	27	
51	CX	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
59	MG	A7	102	-	-	-	X
59	MG	AA	3116	-	-	-	X
59	MG	AA	3333	-	-	-	X
59	MG	AA	3418	-	-	-	X
59	MG	AA	3423	-	-	-	X
59	MG	AA	3428	-	-	-	X
59	MG	AA	3717	-	-	-	X
59	MG	AA	3719	-	-	-	X
59	MG	AA	3743	-	-	-	X
59	MG	AA	3775	-	-	-	X
59	MG	AA	3852	-	-	-	X
59	MG	AA	3898	-	-	-	X
59	MG	AA	3908	-	-	-	X
59	MG	AA	3922	-	-	-	X
59	MG	AA	3990	-	-	-	X
59	MG	AA	4044	-	-	-	X
59	MG	AA	4075	-	-	-	X
59	MG	AA	4093	-	-	-	X
59	MG	AA	4097	-	-	-	X
59	MG	AA	4107	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	AA	4133	-	-	-	X
59	MG	AO	206	-	-	-	X
59	MG	AQ	205	-	-	-	X
59	MG	AS	203	-	-	-	X
59	MG	AW	101	-	-	-	X
59	MG	BA	1612	-	-	-	X
59	MG	BA	1621	-	-	-	X
59	MG	BA	1698	-	-	-	X
59	MG	BA	1772	-	-	-	X
59	MG	BA	1782	-	-	-	X
59	MG	BA	1828	-	-	-	X
59	MG	BA	1859	-	-	-	X
59	MG	BA	1956	-	-	-	X
59	MG	BA	1968	-	-	-	X
59	MG	BA	2068	-	-	-	X
59	MG	BA	2104	-	-	-	X
59	MG	BA	2198	-	-	-	X
59	MG	BA	2213	-	-	-	X
59	MG	BA	2243	-	-	-	X
59	MG	BA	2244	-	-	-	X
59	MG	BA	2276	-	-	-	X
59	MG	BD	126	-	-	-	X
59	MG	CA	1925	-	-	-	X
59	MG	CA	1942	-	-	-	X
59	MG	CA	1946	-	-	-	X
59	MG	CA	1997	-	-	-	X
59	MG	CA	2010	-	-	-	X
59	MG	CA	2065	-	-	-	X
59	MG	CA	2105	-	-	-	X
59	MG	CA	2124	-	-	-	X
59	MG	CA	2304	-	-	-	X
59	MG	CD	104	-	-	-	X
59	MG	CD	108	-	-	-	X
59	MG	CD	118	-	-	-	X
59	MG	CW	201	-	-	-	X
59	MG	D0	203	-	-	-	X
59	MG	D6	103	-	-	-	X
59	MG	DA	3183	-	-	-	X
59	MG	DA	3262	-	-	-	X
59	MG	DA	3274	-	-	-	X
59	MG	DA	3332	-	-	-	X
59	MG	DA	3344	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	3367	-	-	-	X
59	MG	DA	3575	-	-	-	X
59	MG	DA	3576	-	-	-	X
59	MG	DA	3598	-	-	-	X
59	MG	DA	3611	-	-	-	X
59	MG	DA	3647	-	-	-	X
59	MG	DA	3676	-	-	-	X
59	MG	DA	3678	-	-	-	X
59	MG	DA	3741	-	-	-	X
59	MG	DA	3757	-	-	-	X
59	MG	DA	3770	-	-	-	X
59	MG	DA	3873	-	-	-	X
59	MG	DA	3984	-	-	-	X
59	MG	DA	4015	-	-	-	X
59	MG	DA	4082	-	-	-	X
59	MG	DA	4185	-	-	-	X
59	MG	DA	4338	-	-	-	X
59	MG	DA	4454	-	-	-	X
59	MG	DA	4474	-	-	-	X
59	MG	DA	4488	-	-	-	X
59	MG	DA	4512	-	-	-	X
59	MG	DA	4545	-	-	-	X
59	MG	DA	4572	-	-	-	X
59	MG	DA	4641	-	-	-	X
59	MG	DA	4668	-	-	-	X
59	MG	DA	4681	-	-	-	X
59	MG	DA	4688	-	-	-	X
59	MG	DA	4698	-	-	-	X
59	MG	DA	4728	-	-	-	X
59	MG	DA	4771	-	-	-	X
59	MG	DA	4779	-	-	-	X
59	MG	DA	4809	-	-	-	X
59	MG	DA	4827	-	-	-	X
59	MG	DA	4872	-	-	-	X
59	MG	DA	4874	-	-	-	X
59	MG	DA	4879	-	-	-	X
59	MG	DA	4886	-	-	-	X
59	MG	DA	4892	-	-	-	X
59	MG	DA	4915	-	-	-	X
59	MG	DA	4929	-	-	-	X
59	MG	DA	4943	-	-	-	X
59	MG	DA	4948	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	DA	4956	-	-	-	X
59	MG	DA	4973	-	-	-	X
59	MG	DA	4976	-	-	-	X
59	MG	DA	4980	-	-	-	X
59	MG	DA	4985	-	-	-	X
59	MG	DA	5015	-	-	-	X
59	MG	DA	5053	-	-	-	X
59	MG	DA	5054	-	-	-	X
59	MG	DA	5056	-	-	-	X
59	MG	DA	5058	-	-	-	X
59	MG	DA	5077	-	-	-	X
59	MG	DB	209	-	-	-	X
59	MG	DB	211	-	-	-	X
59	MG	DB	231	-	-	-	X
59	MG	DB	269	-	-	-	X
59	MG	DE	308	-	-	-	X
59	MG	DM	202	-	-	-	X
59	MG	DU	215	-	-	-	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	S	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 (three-letter code: MG) (formula: Mg).

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

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

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

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

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

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

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

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

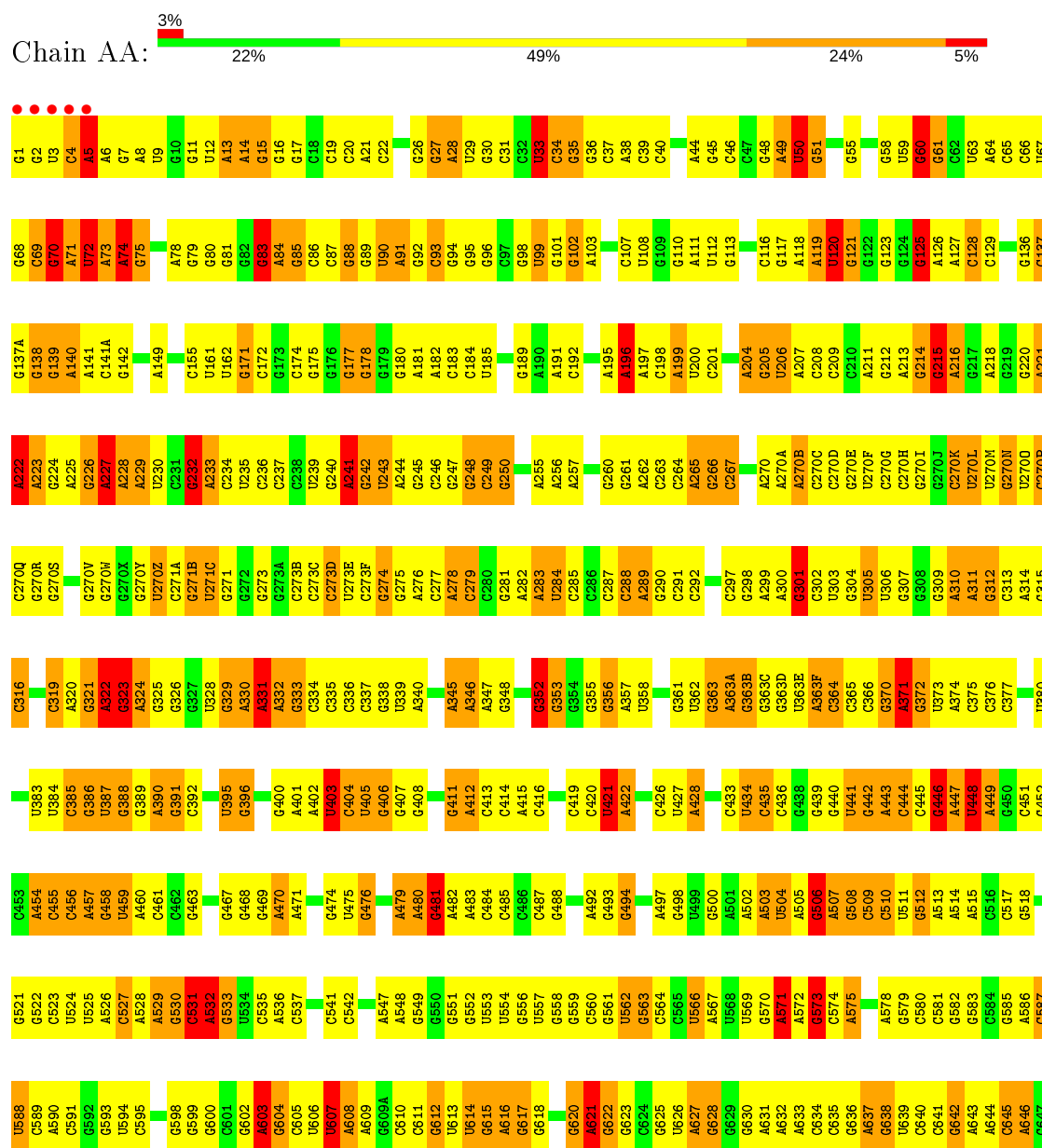
- Molecule 61 is water.

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

3 Residue-property plots

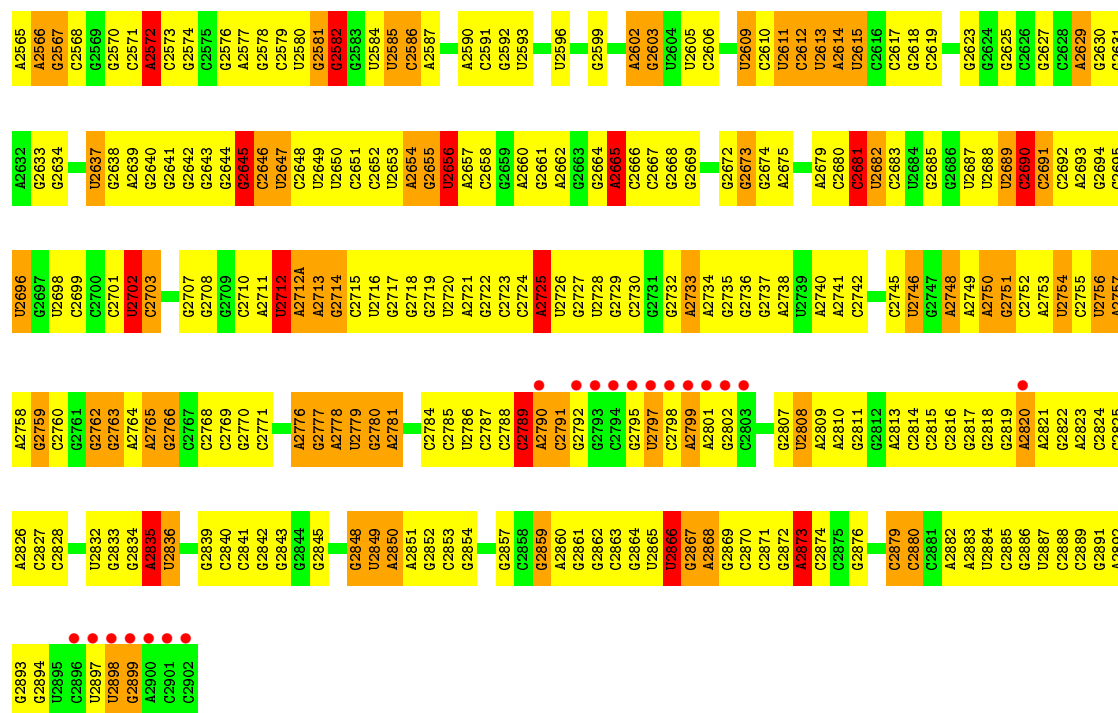
These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are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

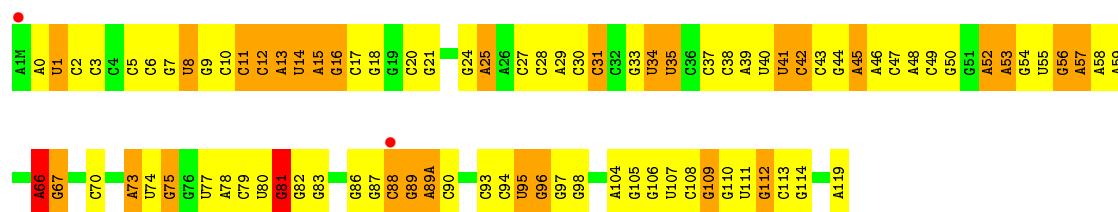


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G1465	G1401	G1338	A1275	G1151	G1151	A1088	A1020	U958	C894	A829	G763	C698	C650
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U1406	U1406	G1343	G1280	G1219	A1156	G1093	G1025	U963	A900		G770		C654B
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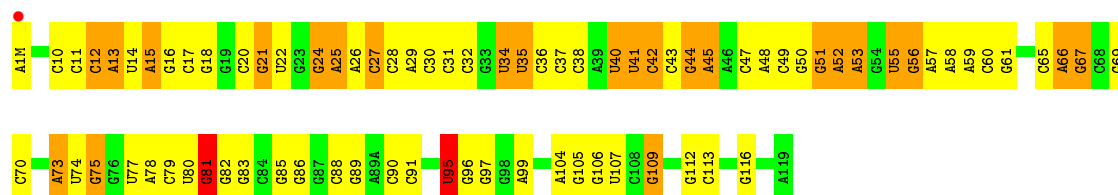
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• Molecule 2: 5S RIBOSOMAL RNA

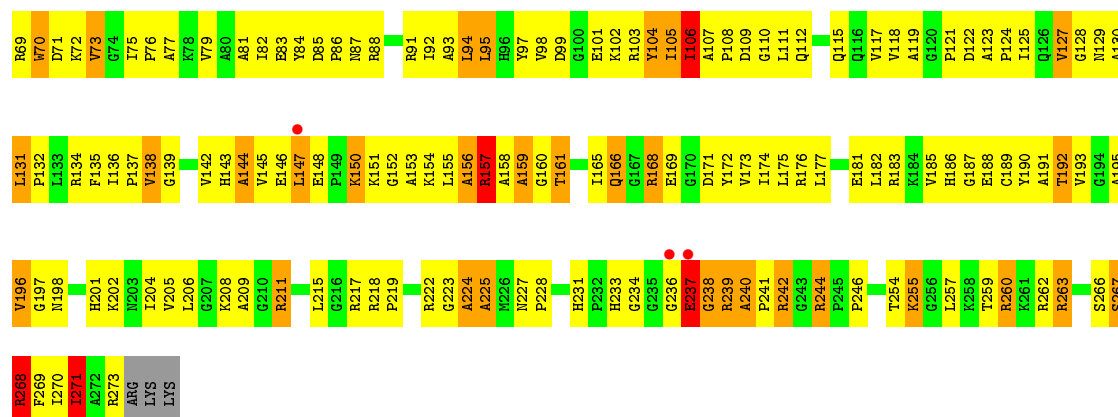


• Molecule 2: 5S RIBOSOMAL RNA

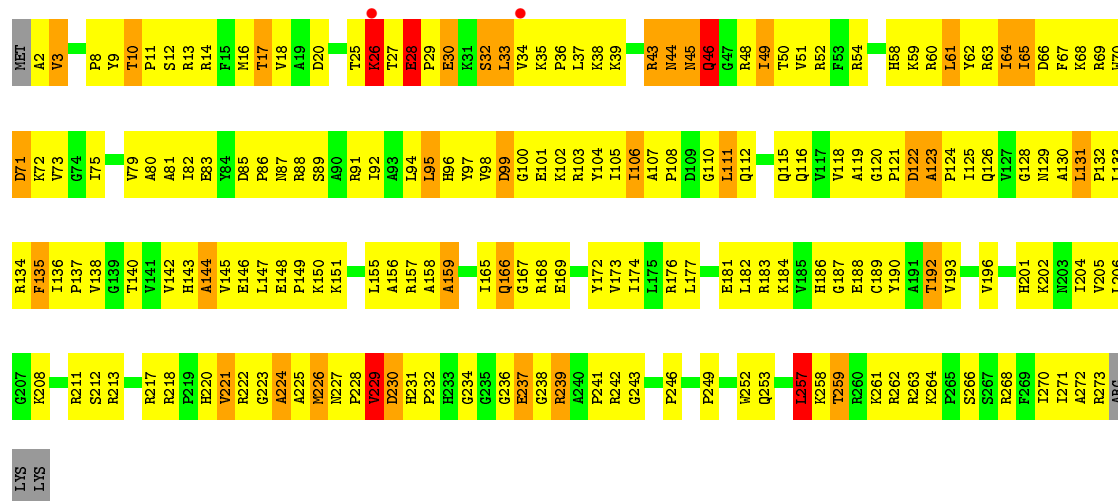


• Molecule 3: 50S RIBOSOMAL PROTEIN L2

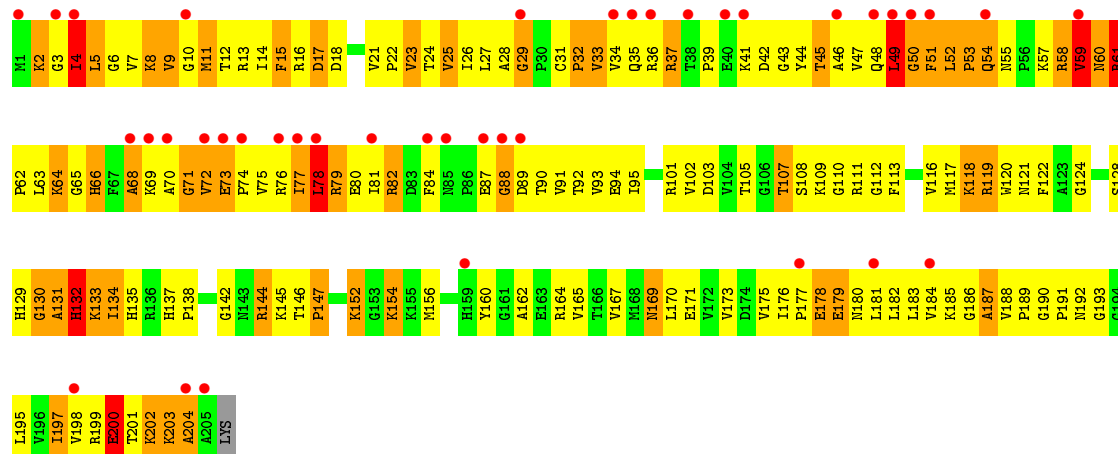




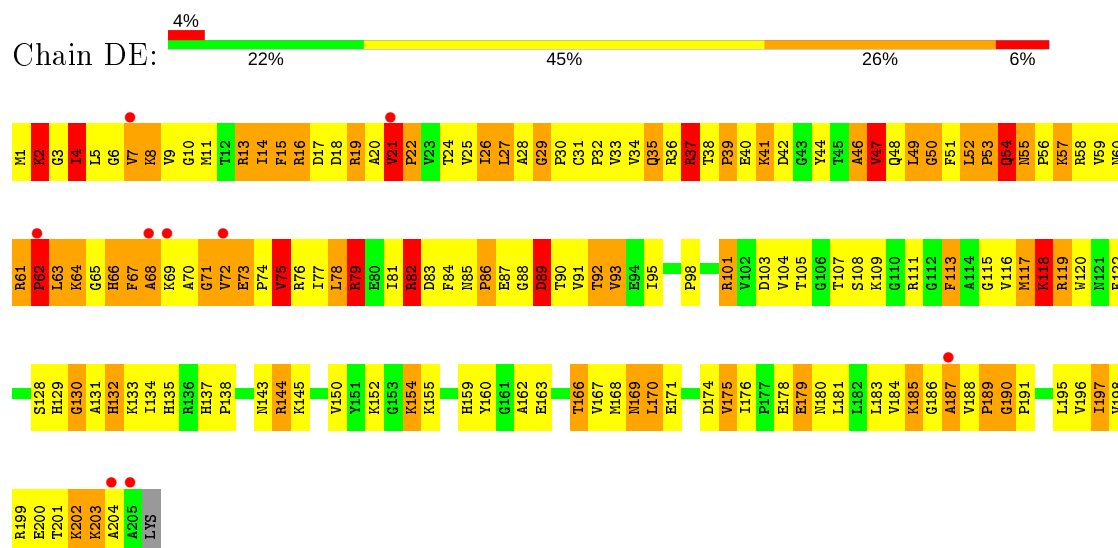
• Molecule 3: 50S RIBOSOMAL PROTEIN L2



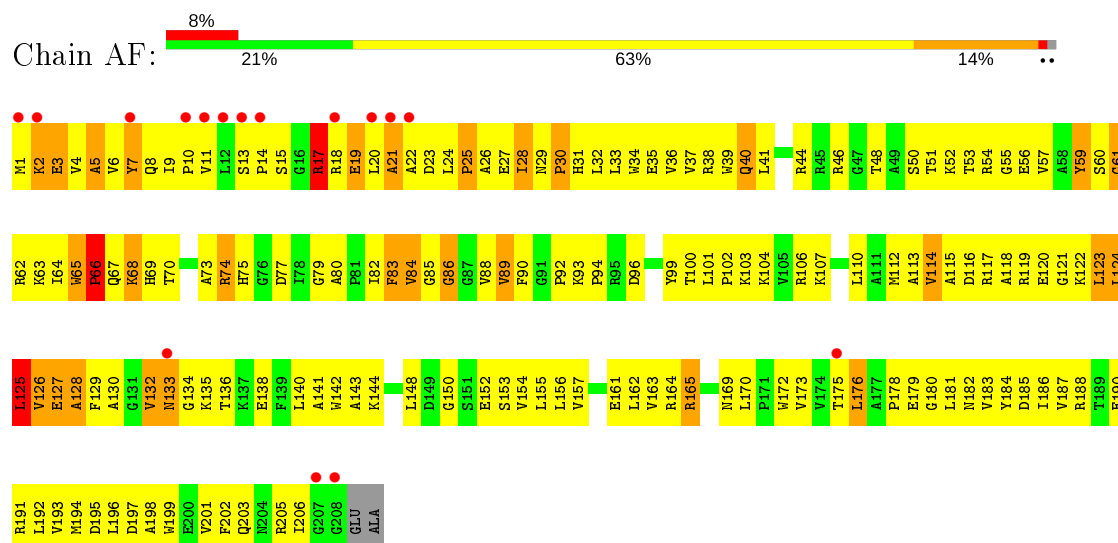
• Molecule 4: 50S RIBOSOMAL PROTEIN L3



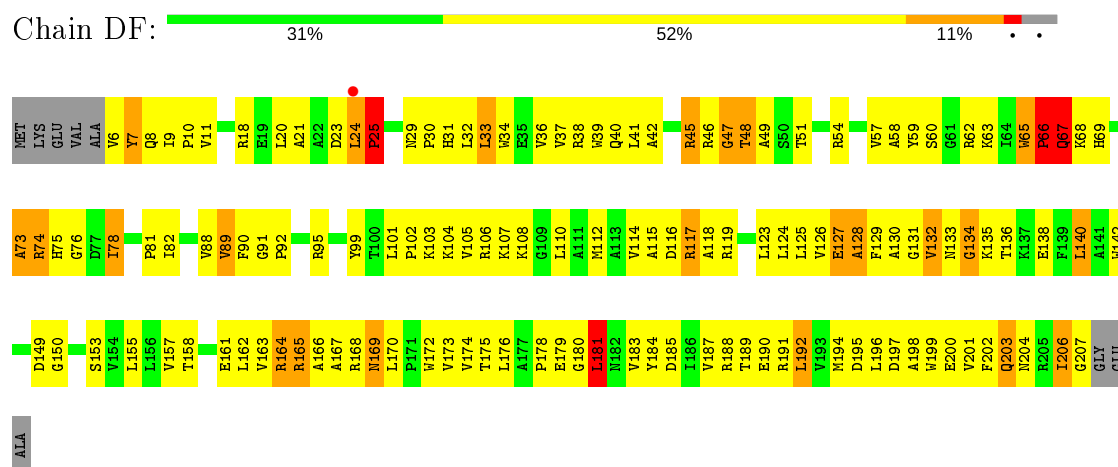
• Molecule 4: 50S RIBOSOMAL PROTEIN L3



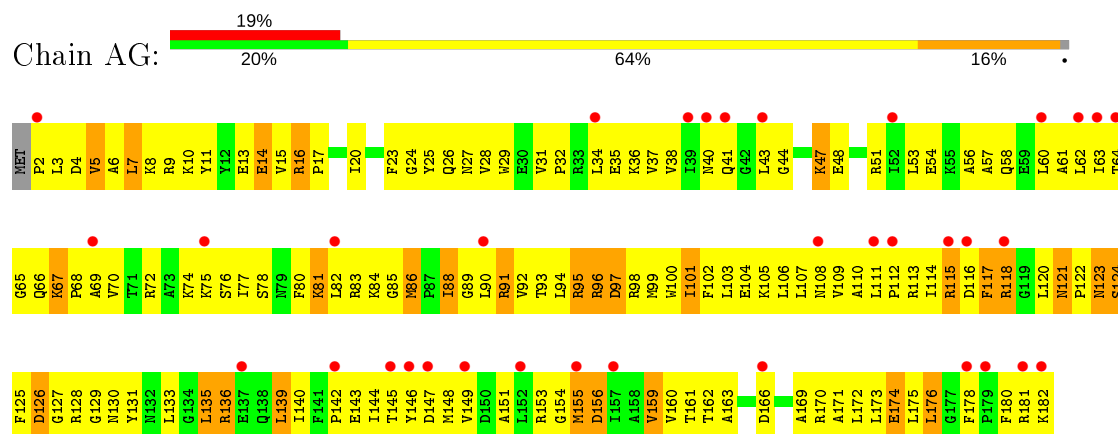
• Molecule 5: 50S RIBOSOMAL PROTEIN L4



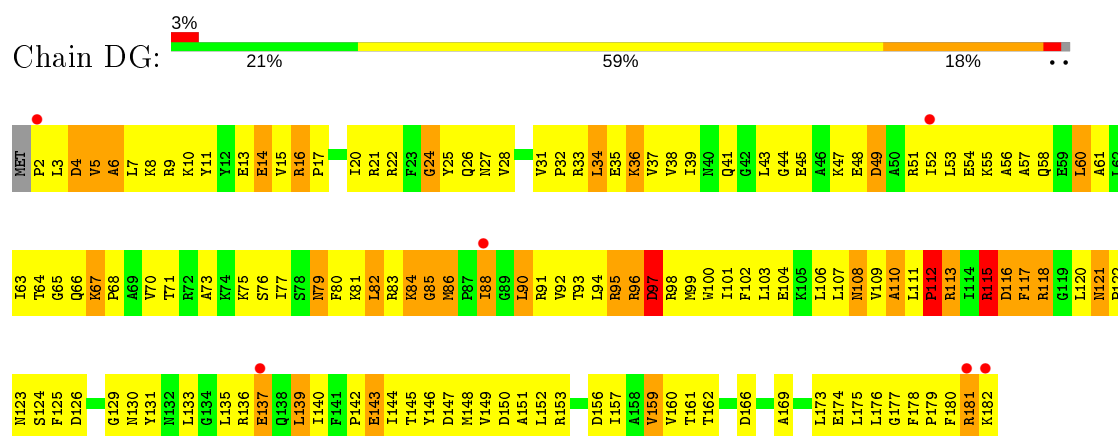
• Molecule 5: 50S RIBOSOMAL PROTEIN L4



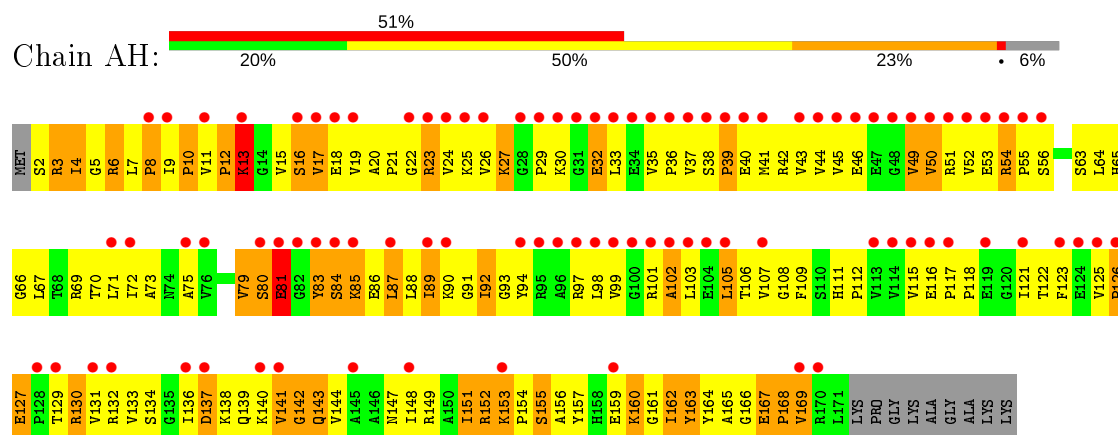
• Molecule 6: 50S RIBOSOMAL PROTEIN L5



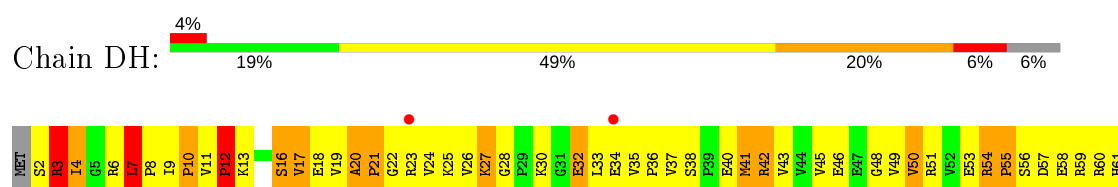
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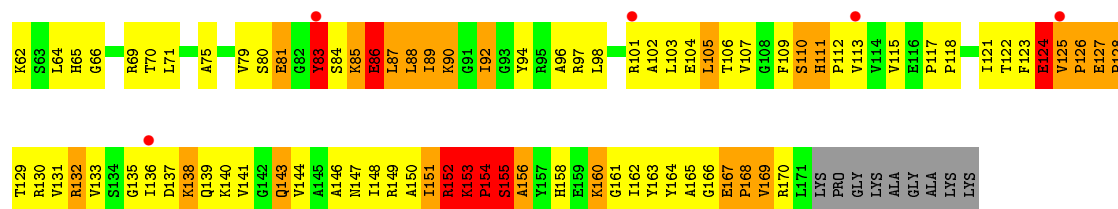


• Molecule 7: 50S RIBOSOMAL PROTEIN L6

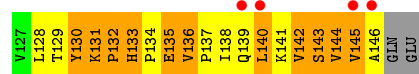
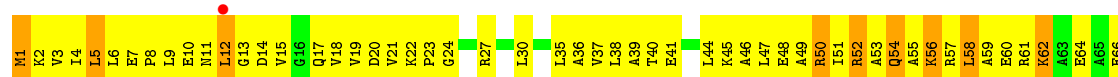
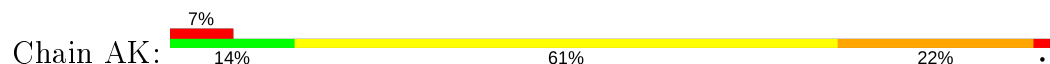


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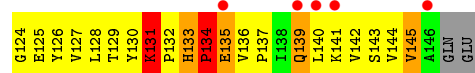
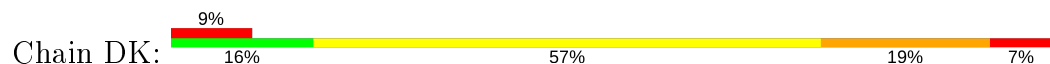




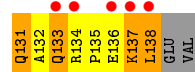
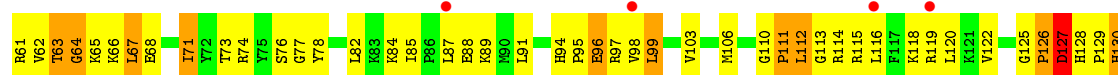
• Molecule 8: 50S RIBOSOMAL PROTEIN L9



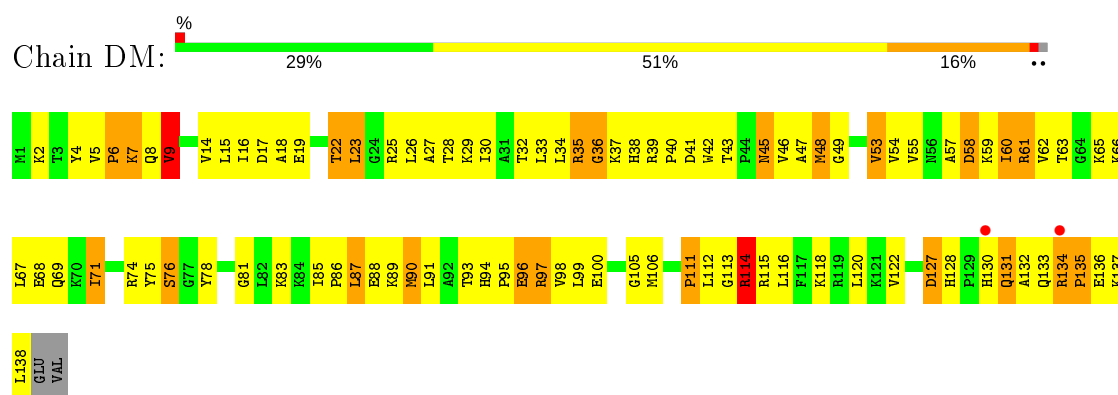
• Molecule 8: 50S RIBOSOMAL PROTEIN L9



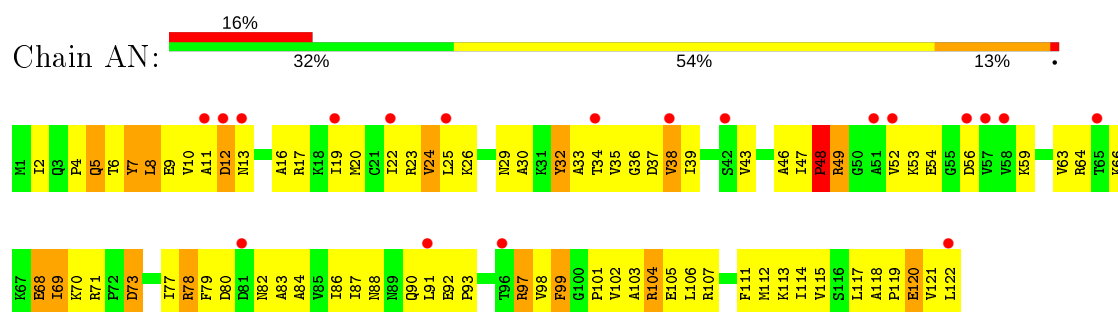
• Molecule 9: 50S RIBOSOMAL PROTEIN L13



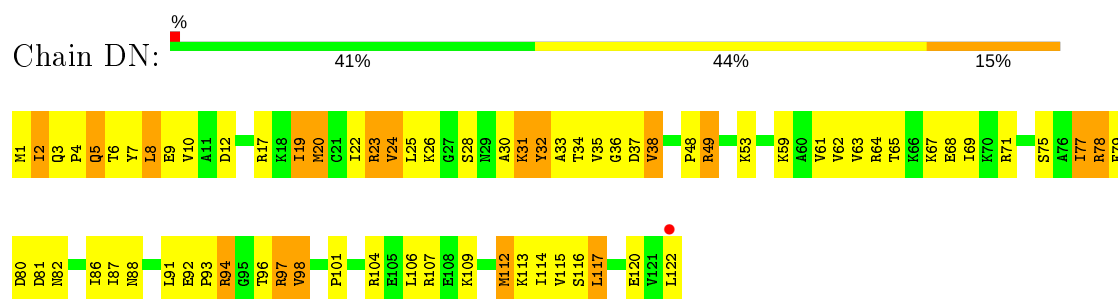
• Molecule 9: 50S RIBOSOMAL PROTEIN L13



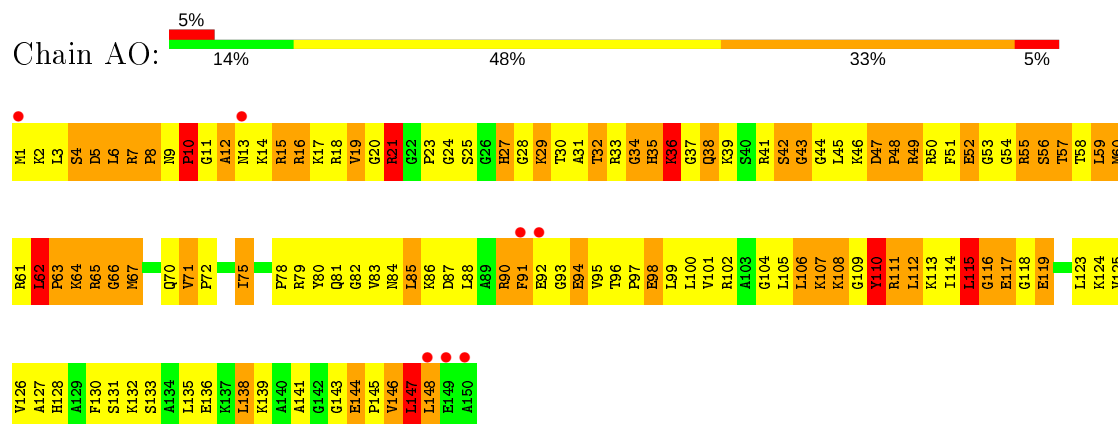
• Molecule 10: 50S RIBOSOMAL PROTEIN L14



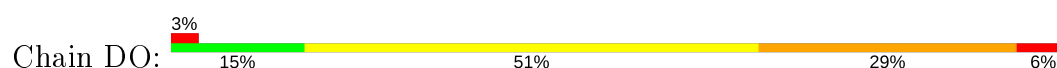
• Molecule 10: 50S RIBOSOMAL PROTEIN L14

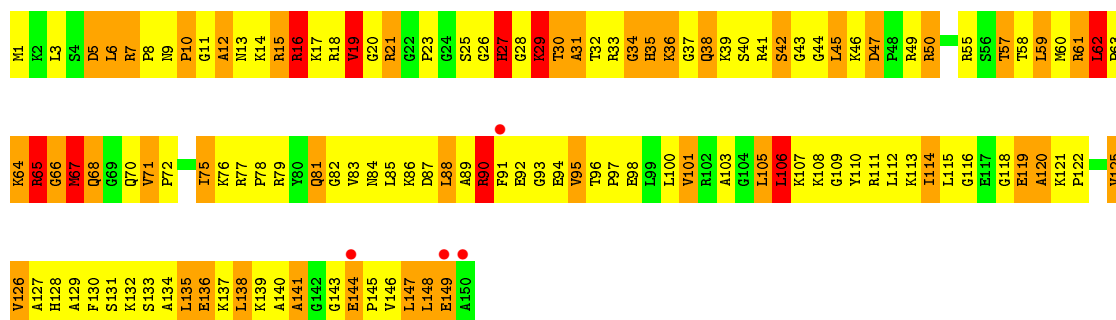


• Molecule 11: 50S RIBOSOMAL PROTEIN L15

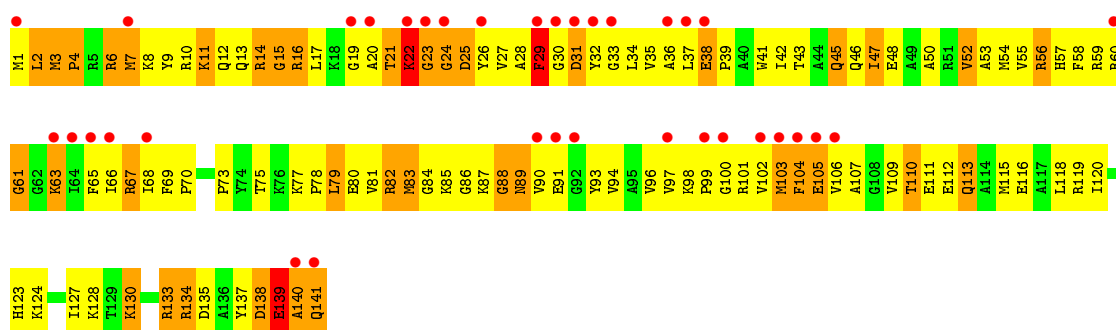
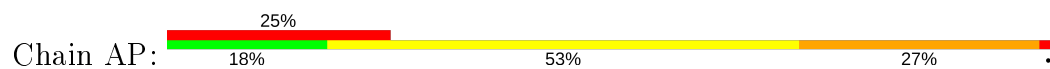


• Molecule 11: 50S RIBOSOMAL PROTEIN L15

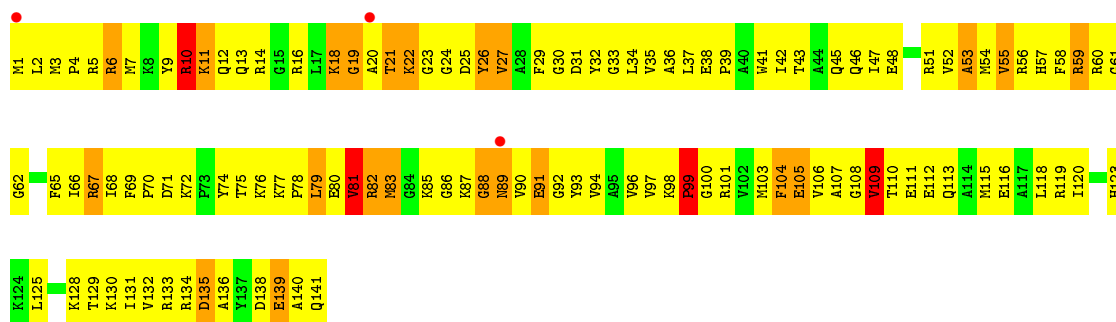




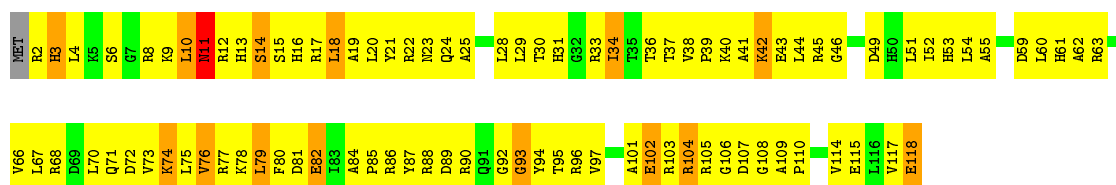
• Molecule 12: 50S RIBOSOMAL PROTEIN L16



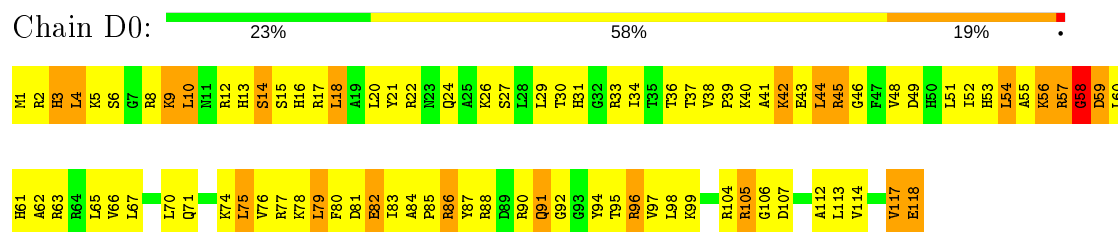
• Molecule 12: 50S RIBOSOMAL PROTEIN L16



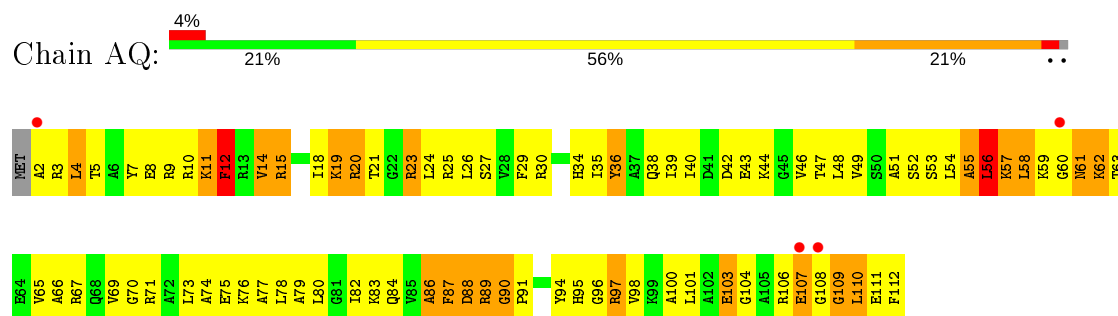
• Molecule 13: 50S RIBOSOMAL PROTEIN L17



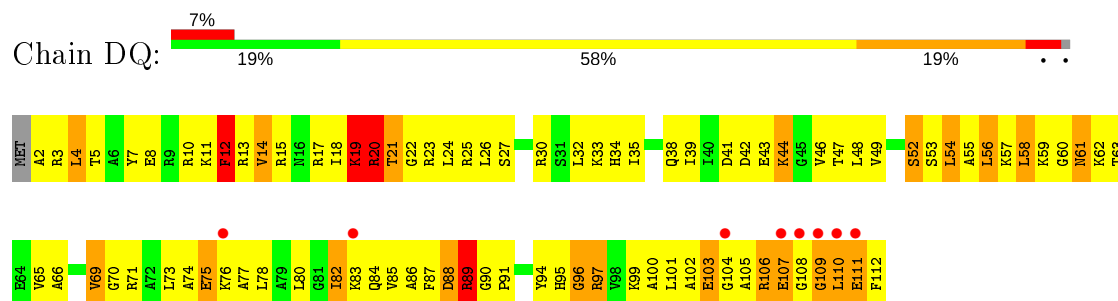
• Molecule 13: 50S RIBOSOMAL PROTEIN L17



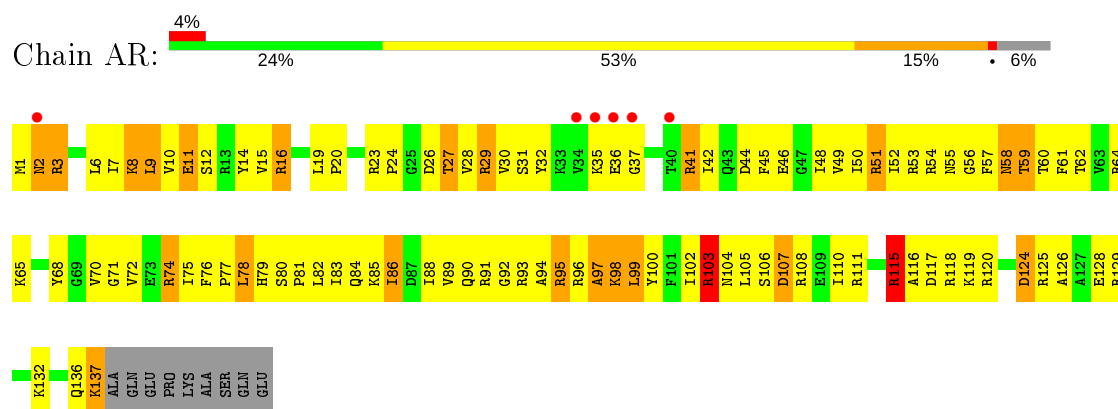
• Molecule 14: 50S RIBOSOMAL PROTEIN L18



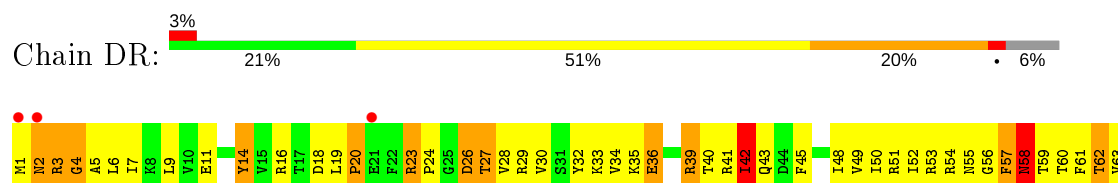
• Molecule 14: 50S RIBOSOMAL PROTEIN L18



• Molecule 15: 50S RIBOSOMAL PROTEIN L19

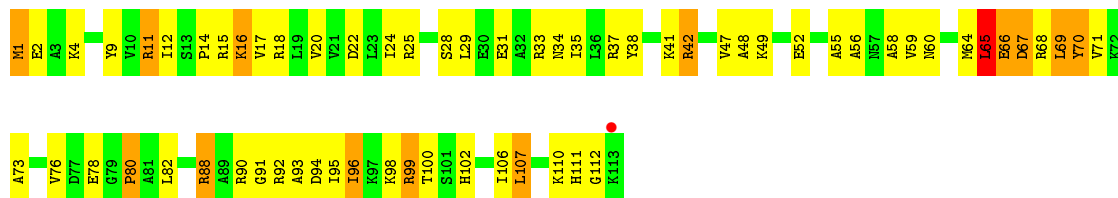
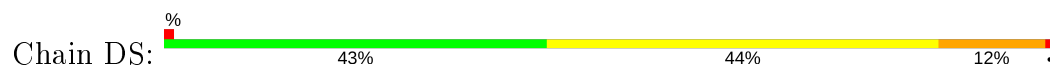


• Molecule 15: 50S RIBOSOMAL PROTEIN L19

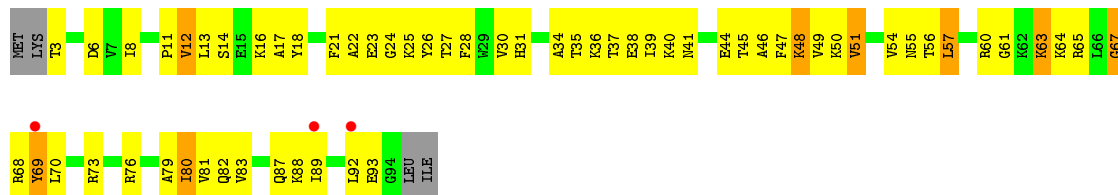




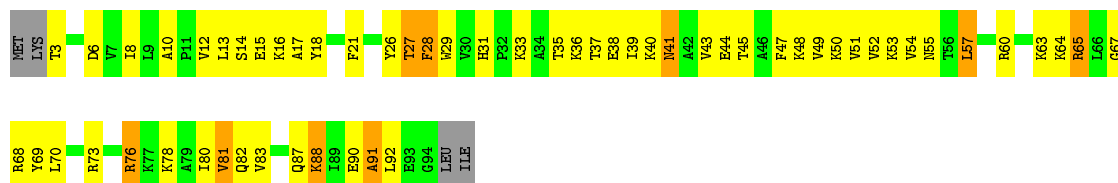
• Molecule 18: 50S RIBOSOMAL PROTEIN L22



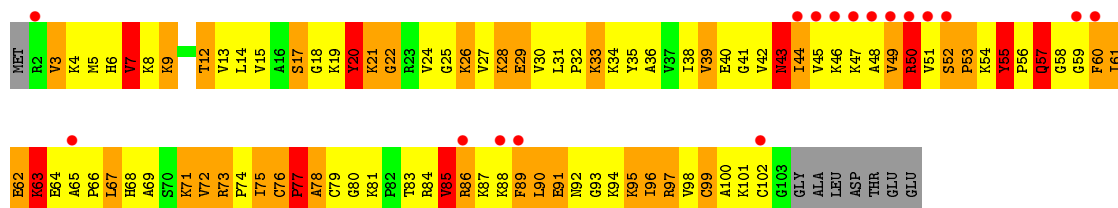
• Molecule 19: 50S RIBOSOMAL PROTEIN L23




• Molecule 19: 50S RIBOSOMAL PROTEIN L23

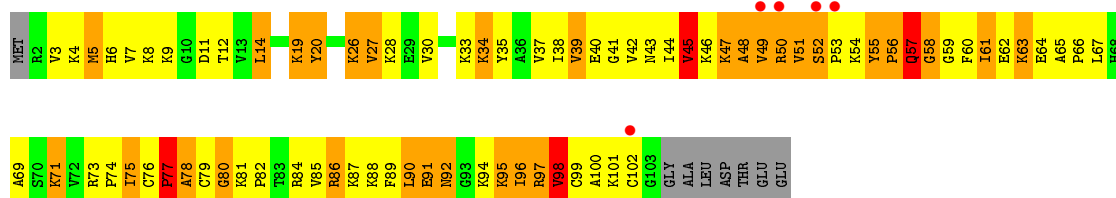


• Molecule 20: 50S RIBOSOMAL PROTEIN L24



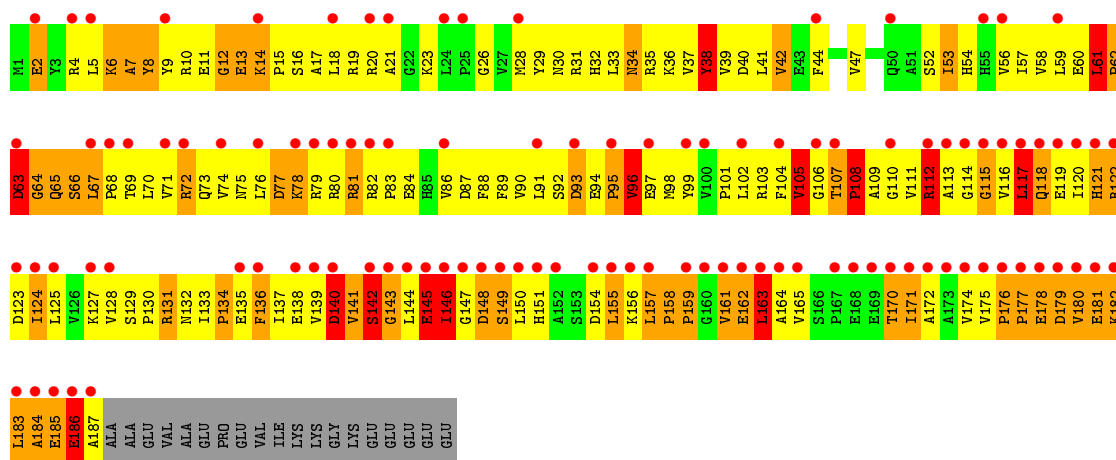
- Molecule 20: 50S RIBOSOMAL PROTEIN L24

Chain DU: 




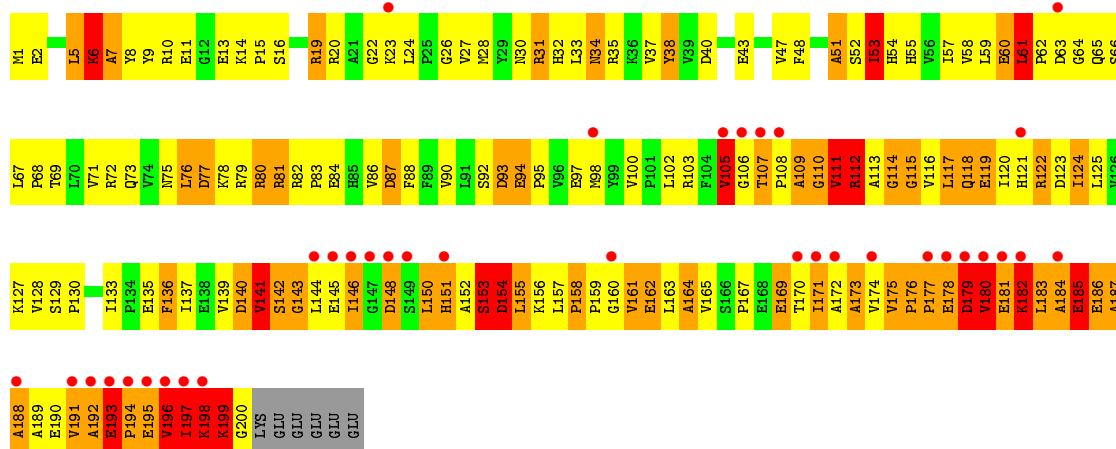
- Molecule 21: 50S RIBOSOMAL PROTEIN L25

Chain AV: 



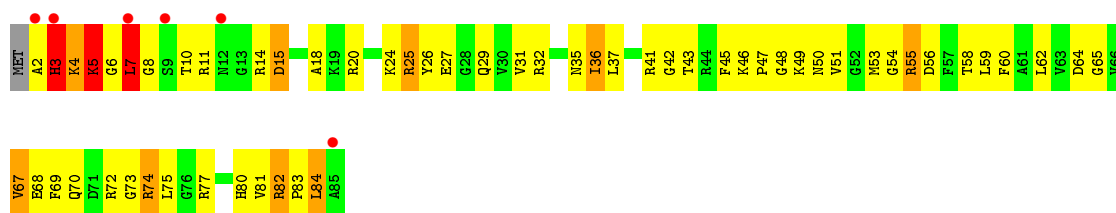
- Molecule 21: 50S RIBOSOMAL PROTEIN L25

Chain DV: 

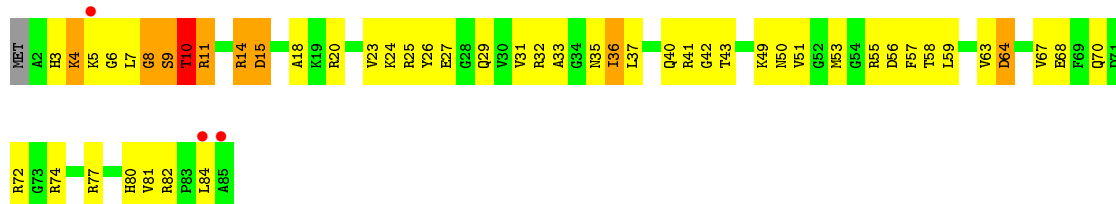


- Molecule 22: 50S RIBOSOMAL PROTEIN L27

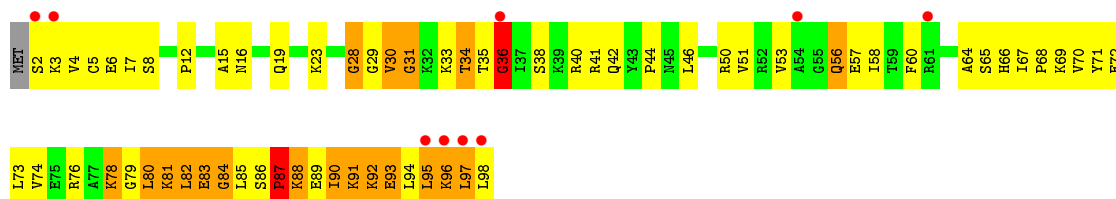
Chain A3: 



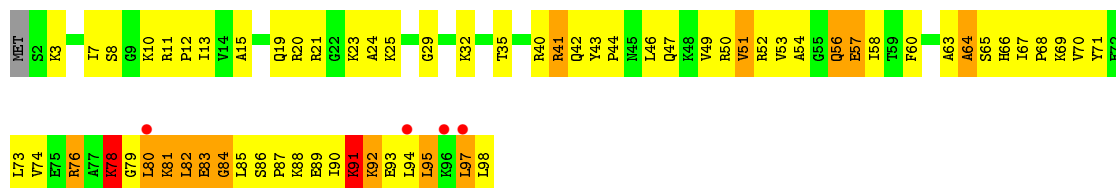
• Molecule 22: 50S RIBOSOMAL PROTEIN L27



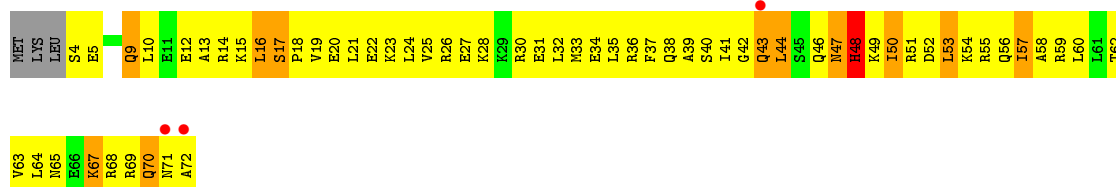
• Molecule 23: 50S RIBOSOMAL PROTEIN L28



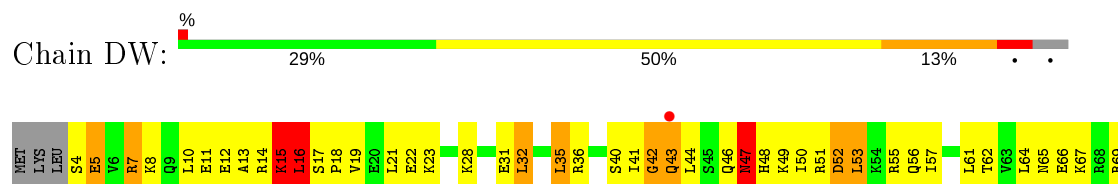
• Molecule 23: 50S RIBOSOMAL PROTEIN L28



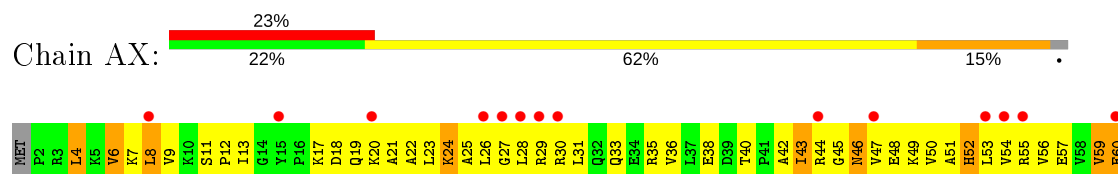
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



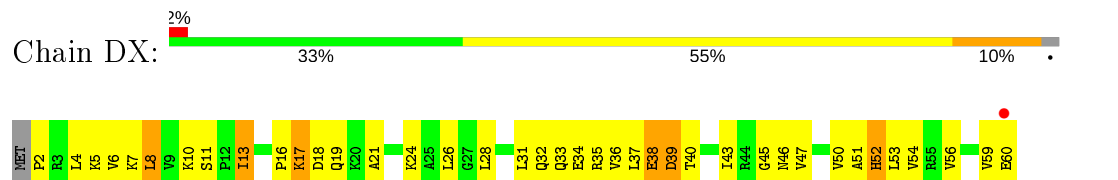
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



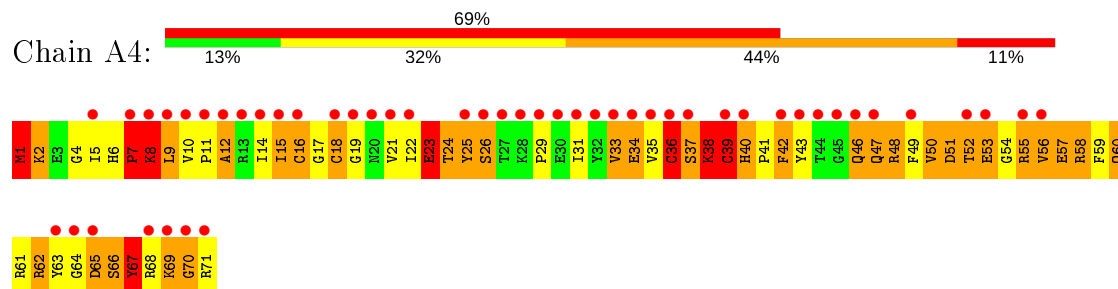
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



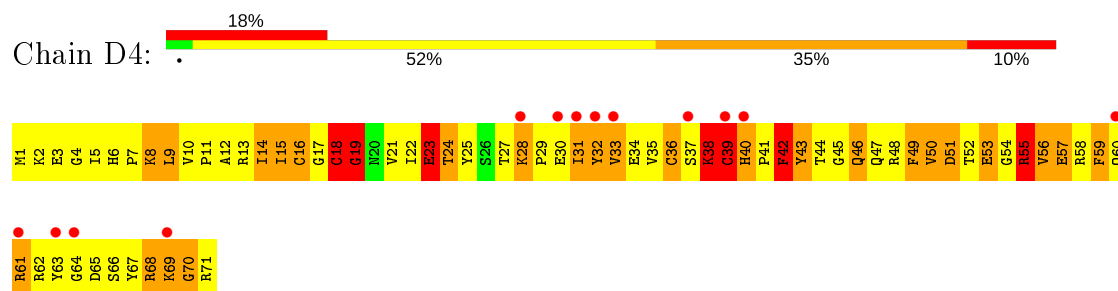
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



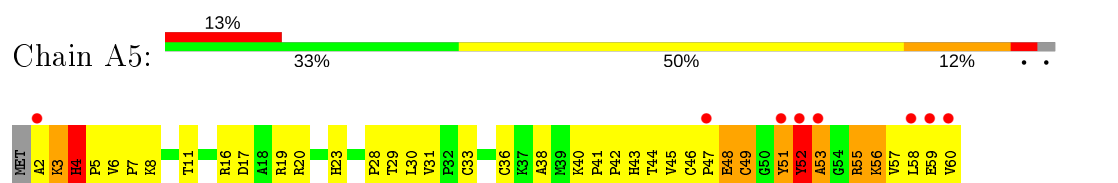
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



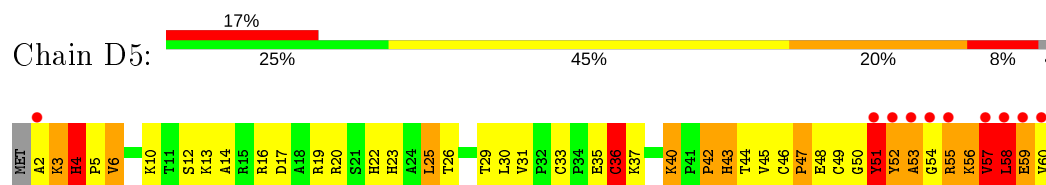
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



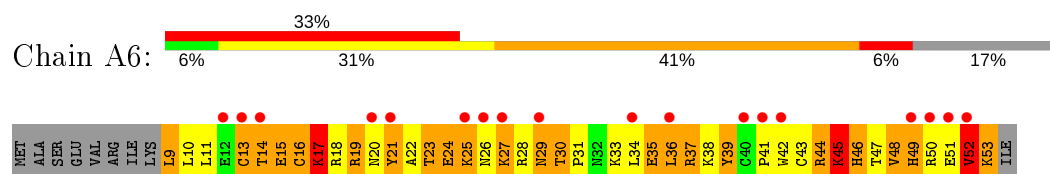
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



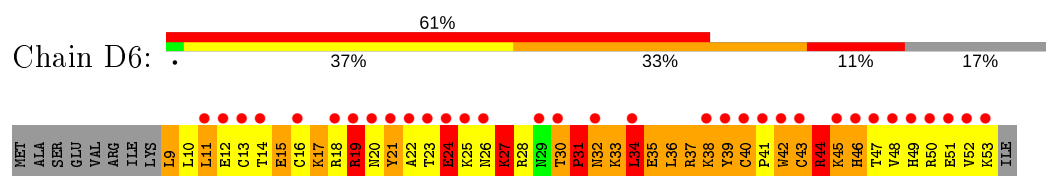
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



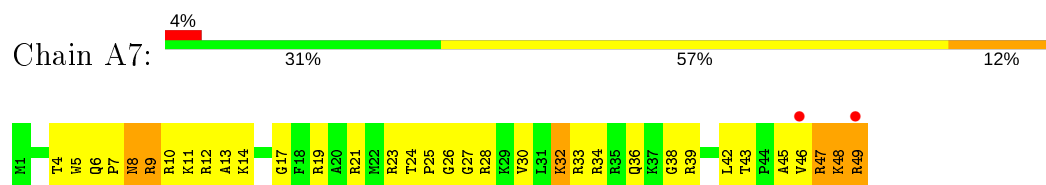
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



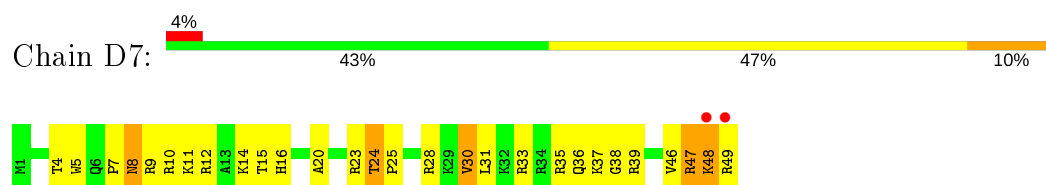
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



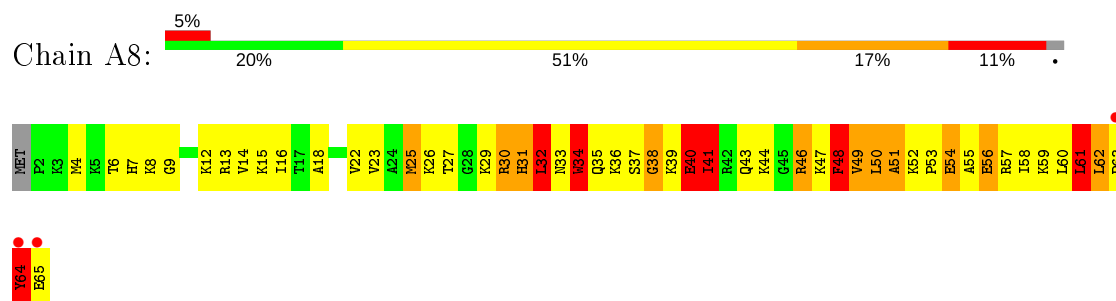
• Molecule 29: 50S RIBOSOMAL PROTEIN L34



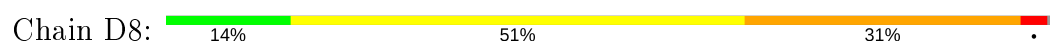
• Molecule 29: 50S RIBOSOMAL PROTEIN L34



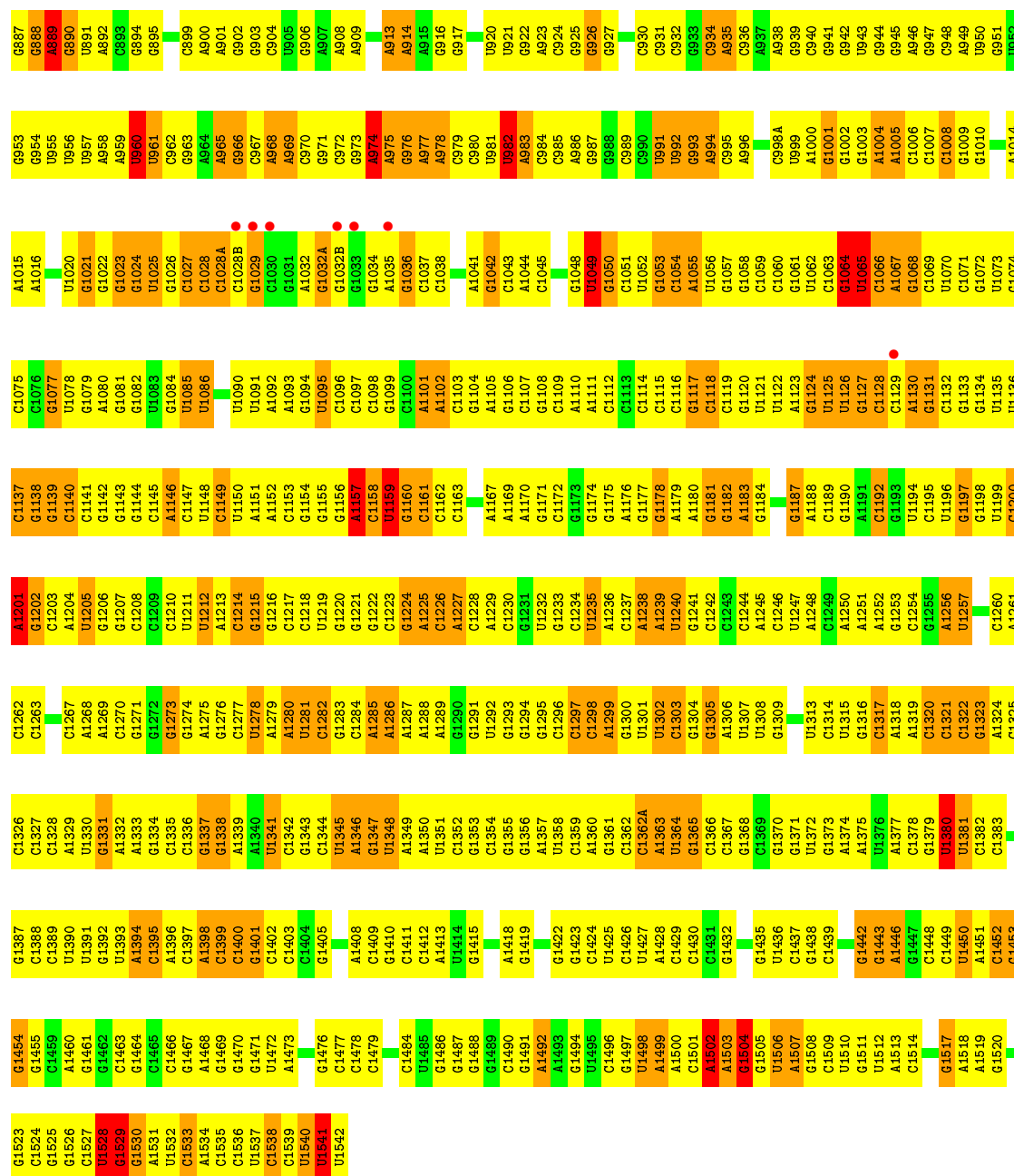
• Molecule 30: 50S RIBOSOMAL PROTEIN L35



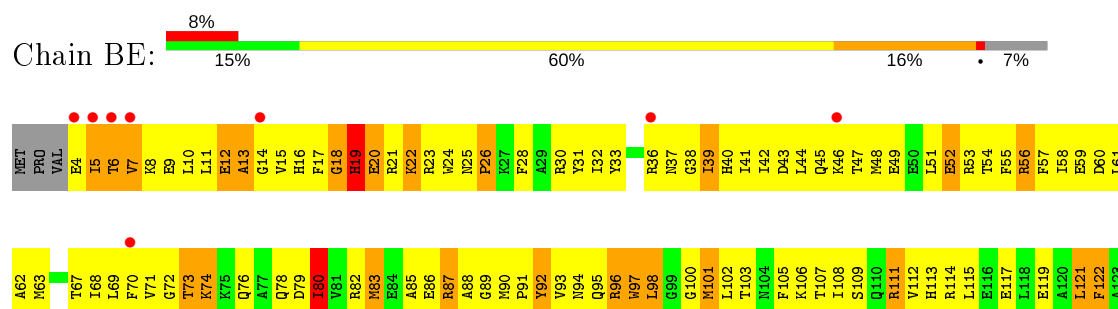
• Molecule 30: 50S RIBOSOMAL PROTEIN L35

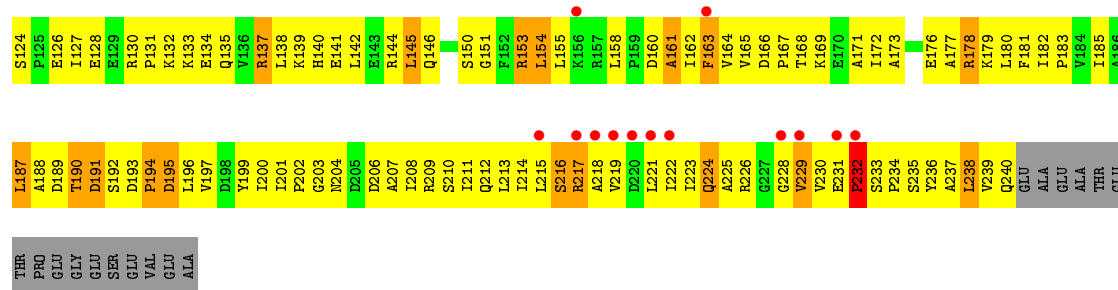




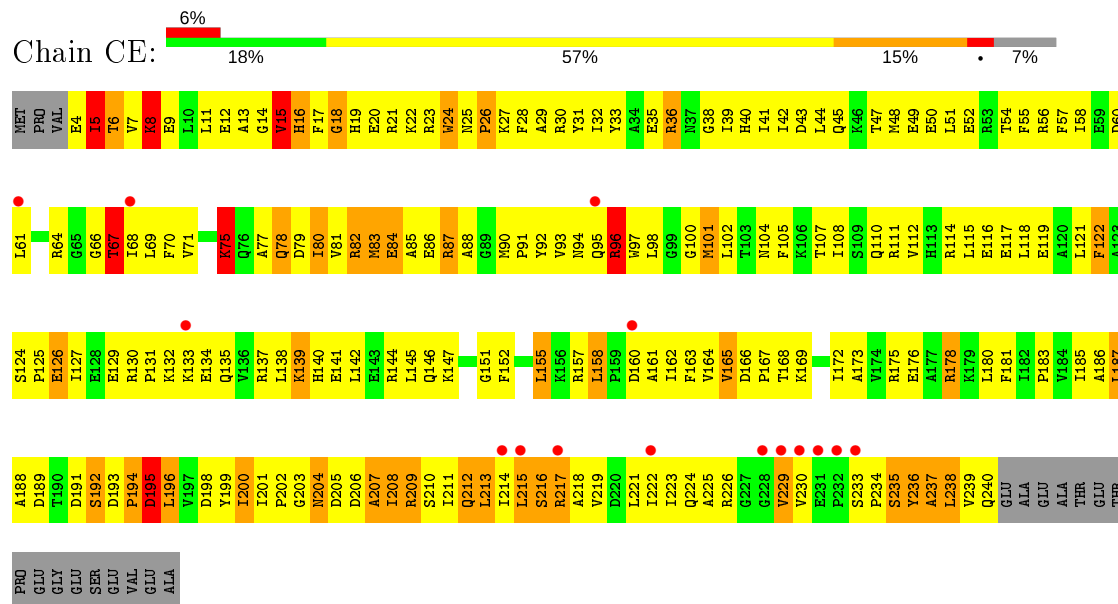


● Molecule 32: 30S ribosomal protein S2

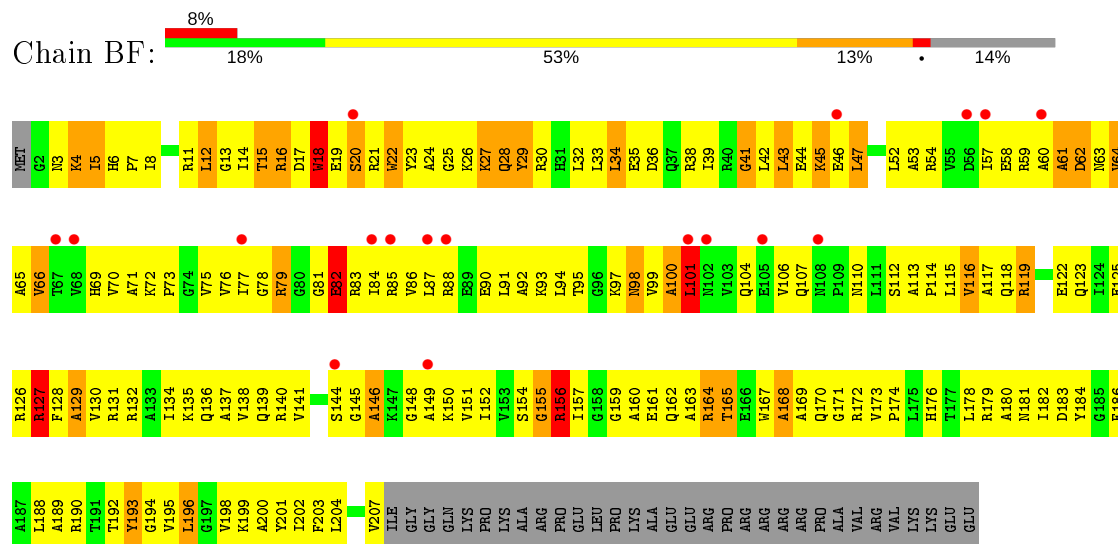




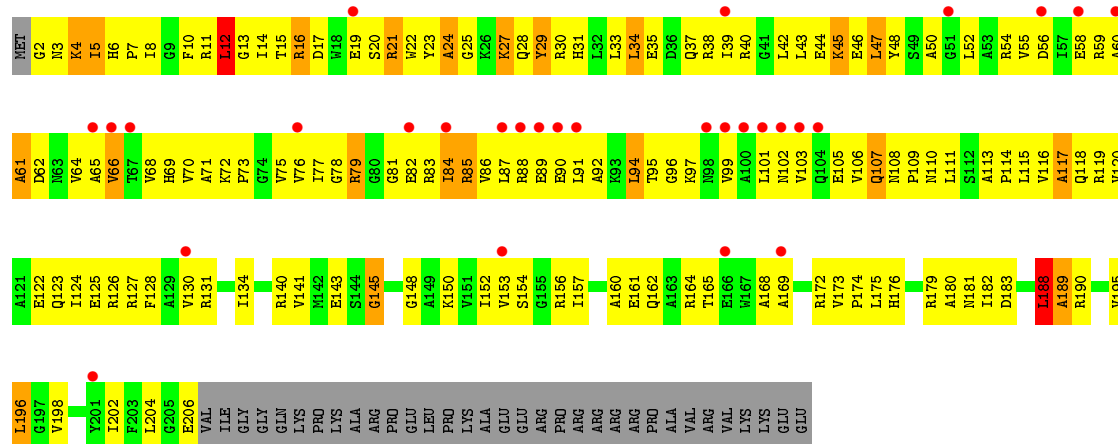
• Molecule 32: 30S ribosomal protein S2



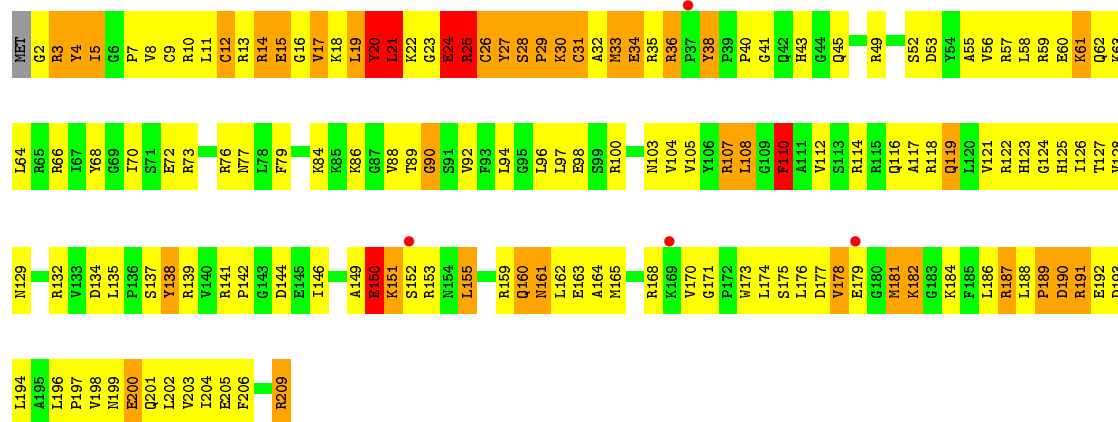
• Molecule 33: 30S ribosomal protein S3



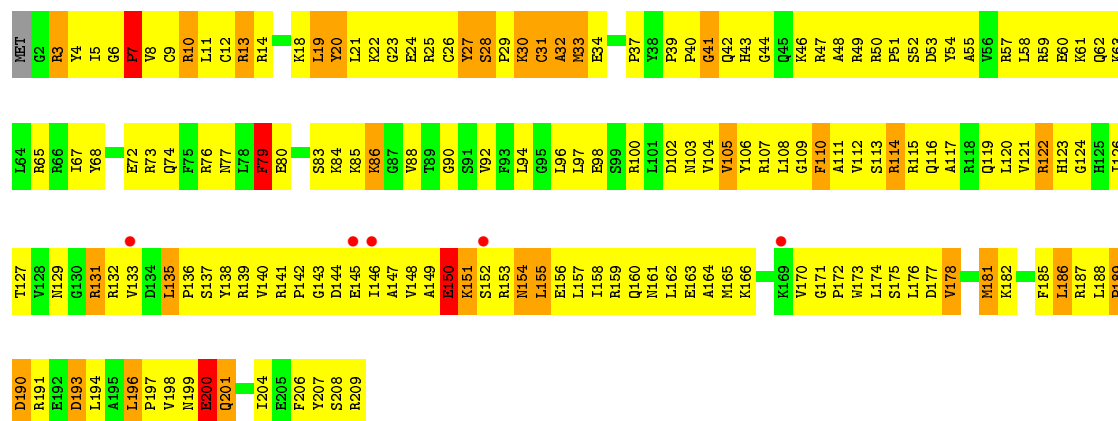
• Molecule 33: 30S ribosomal protein S3



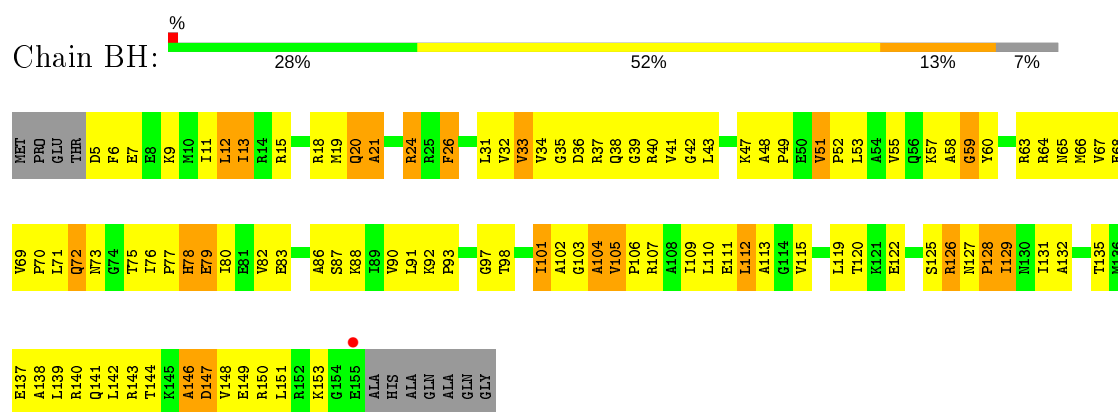
• Molecule 34: 30S ribosomal protein S4



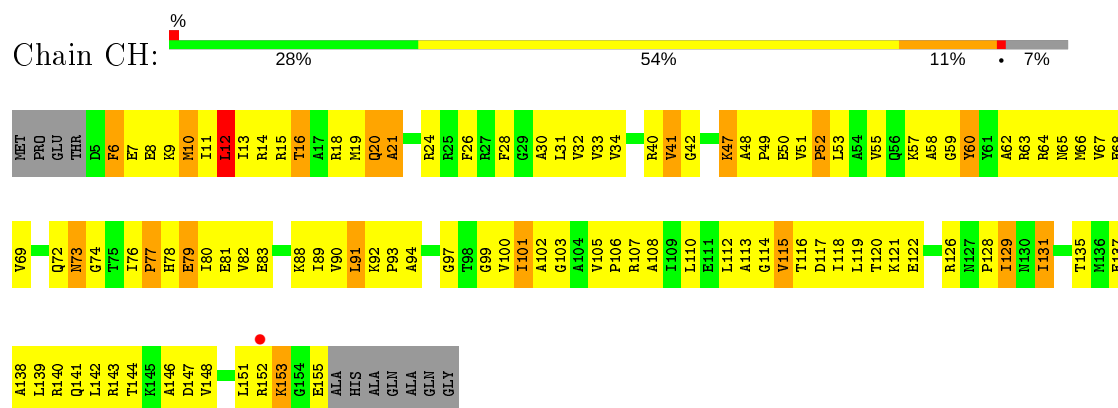
• Molecule 34: 30S ribosomal protein S4



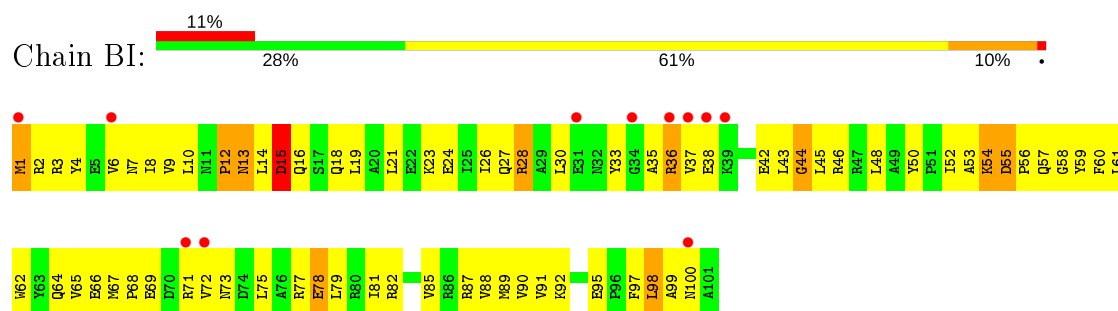
• Molecule 35: 30S ribosomal protein S5



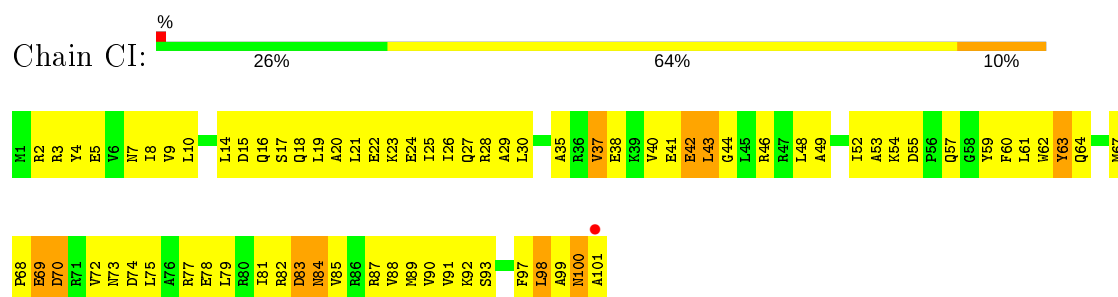
• Molecule 35: 30S ribosomal protein S5



• Molecule 36: 30S ribosomal protein S6

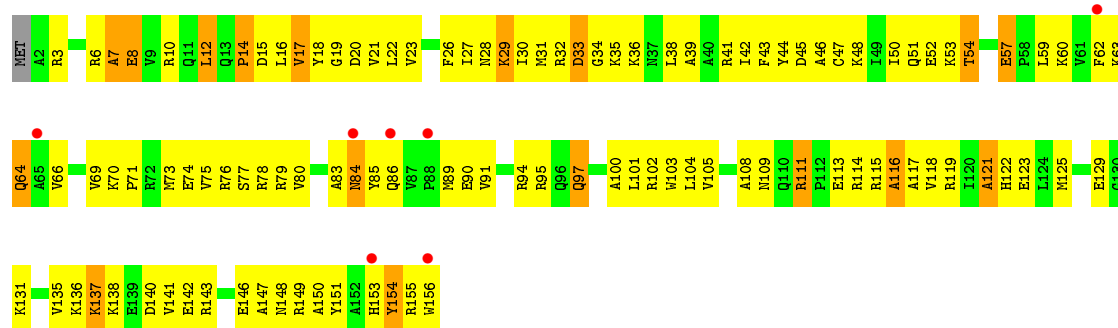


• Molecule 36: 30S ribosomal protein S6

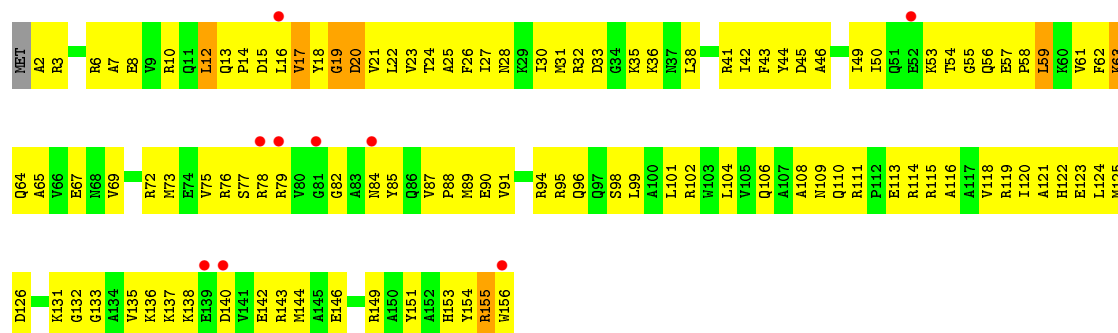


• Molecule 37: 30S ribosomal protein S7

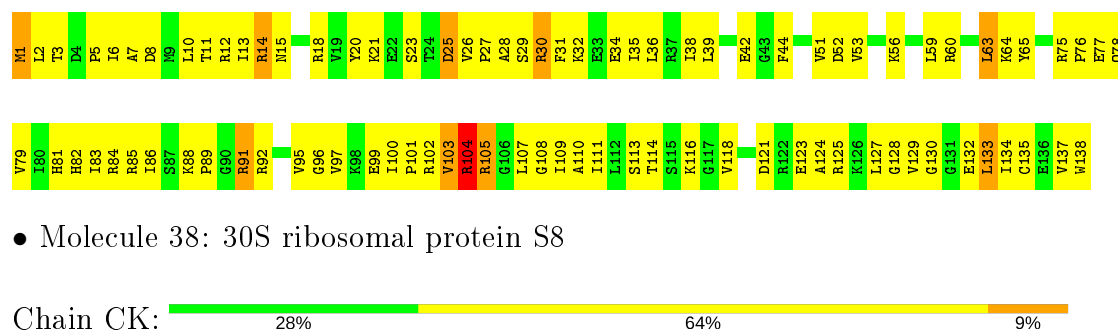




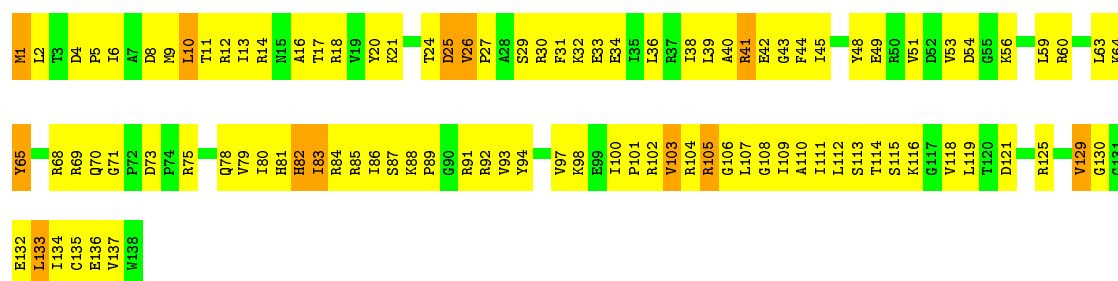
• Molecule 37: 30S ribosomal protein S7



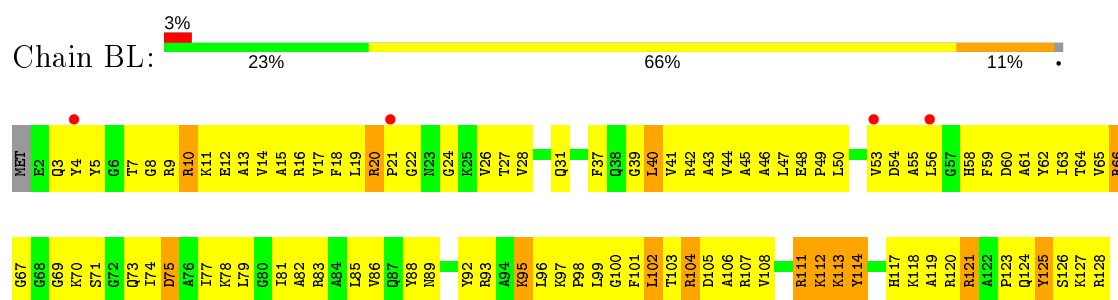
• Molecule 38: 30S ribosomal protein S8



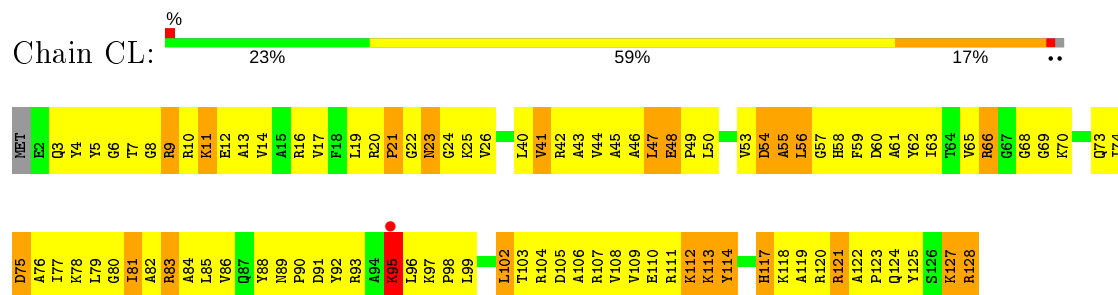
• Molecule 38: 30S ribosomal protein S8



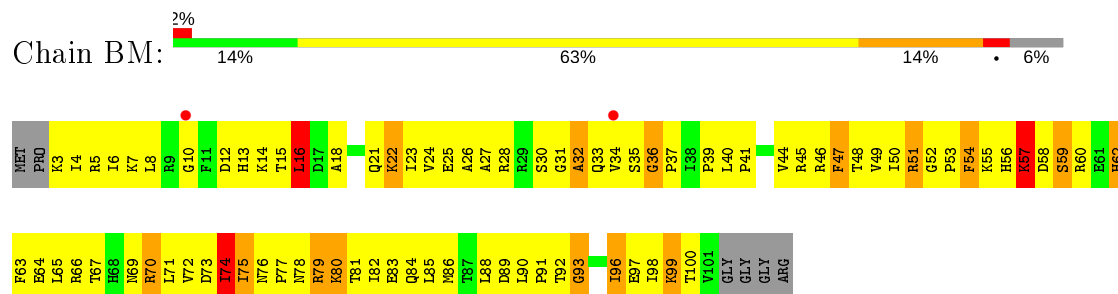
• Molecule 39: 30S ribosomal protein S9



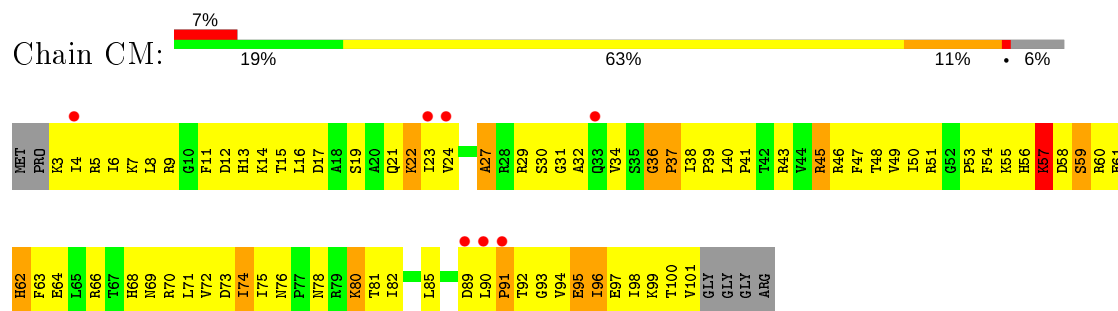
• Molecule 39: 30S ribosomal protein S9



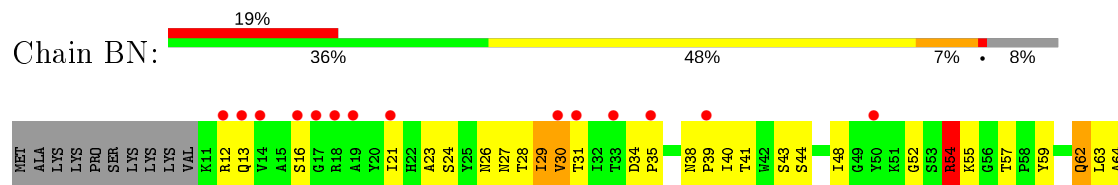
• Molecule 40: 30S ribosomal protein S10

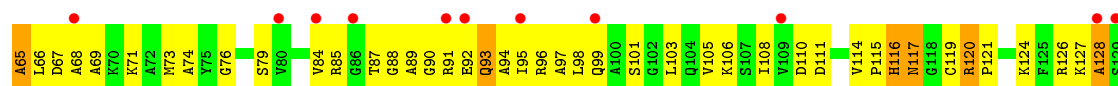


• Molecule 40: 30S ribosomal protein S10

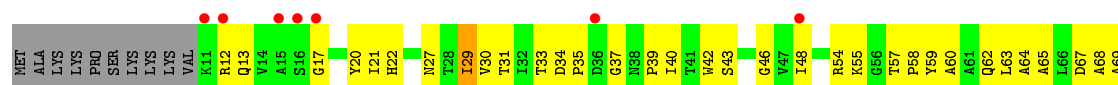
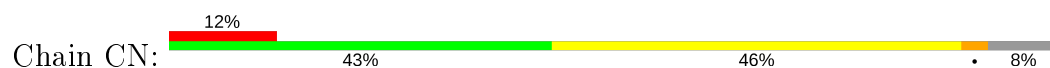


• Molecule 41: 30S ribosomal protein S11

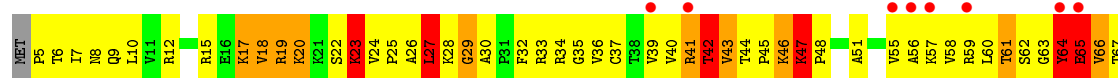




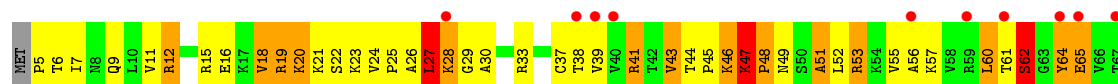
- Molecule 41: 30S ribosomal protein S11



- Molecule 42: 30S ribosomal protein S12



- Molecule 42: 30S ribosomal protein S12

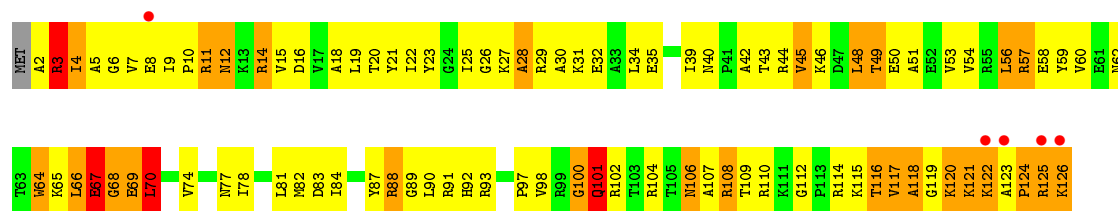


- Molecule 43: 30S ribosomal protein S13

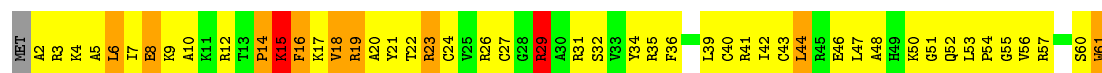


- Molecule 43: 30S ribosomal protein S13





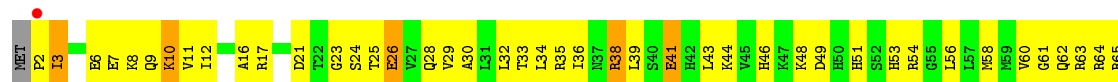
- Molecule 44: 30S ribosomal protein S14 type Z



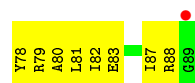
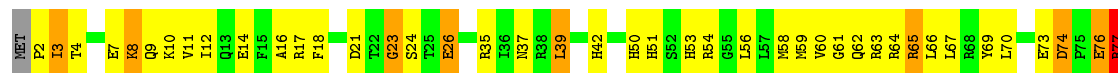
- Molecule 44: 30S ribosomal protein S14 type Z



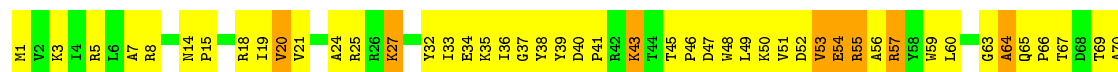
- Molecule 45: 30S ribosomal protein S15



- Molecule 45: 30S ribosomal protein S15

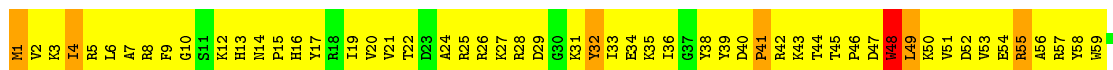
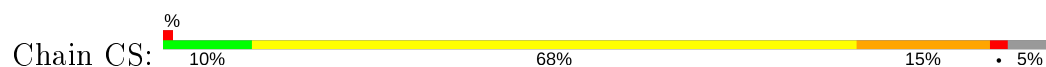


- Molecule 46: 30S ribosomal protein S16





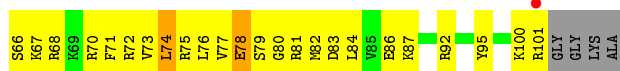
- Molecule 46: 30S ribosomal protein S16



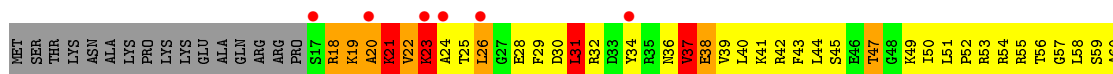
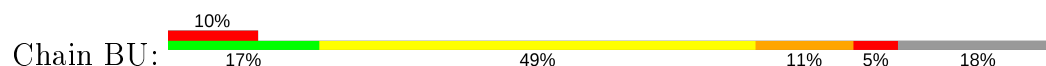
- Molecule 47: 30S ribosomal protein S17



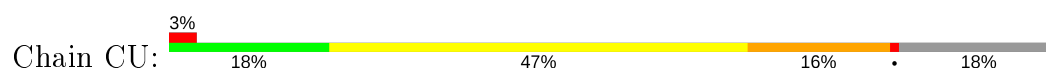
- Molecule 47: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S18

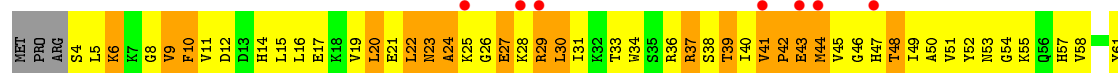
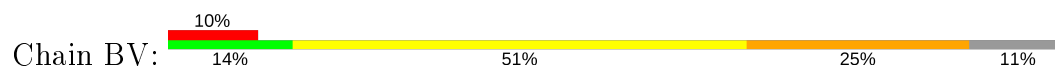


- Molecule 48: 30S ribosomal protein S18

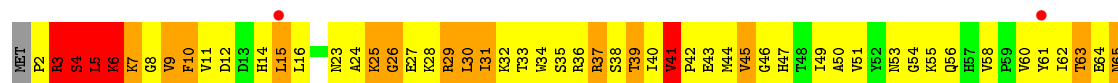
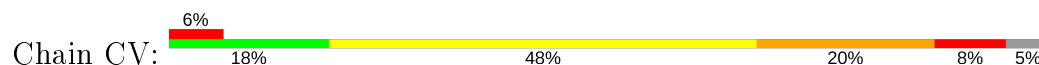




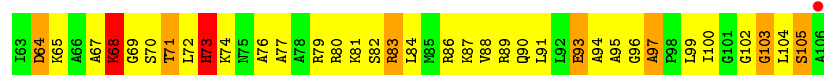
• Molecule 49: 30S ribosomal protein S19



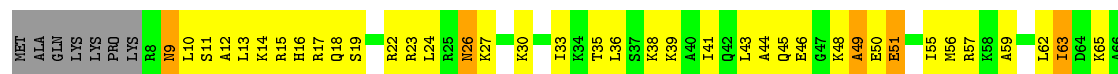
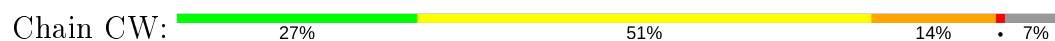
• Molecule 49: 30S ribosomal protein S19



• Molecule 50: 30S ribosomal protein S20



• Molecule 50: 30S ribosomal protein S20



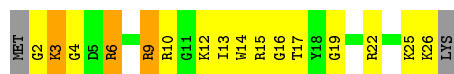
• Molecule 51: 30S ribosomal protein Thx

Chain BX: 



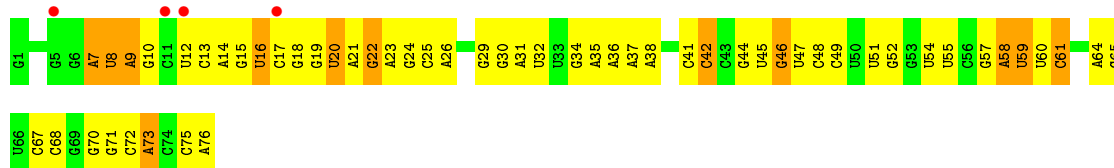
- Molecule 51: 30S ribosomal protein Thx

Chain CX: 



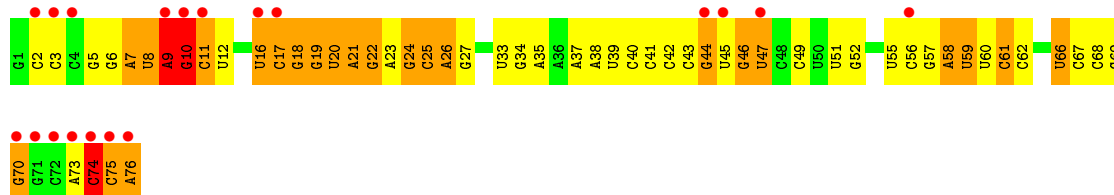
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BD: 



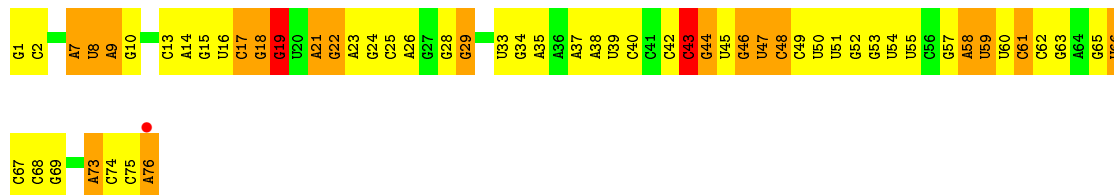
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BB: 



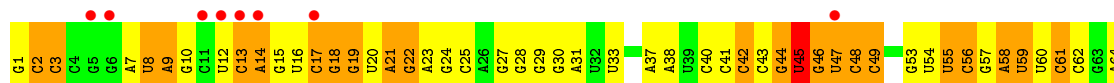
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BC: 



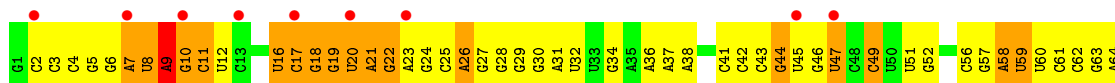
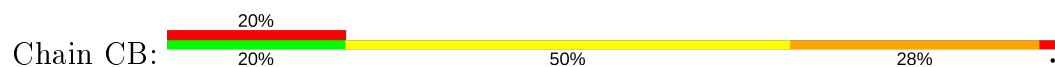
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain CD: 

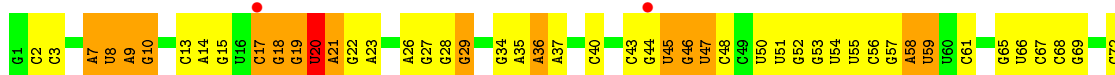




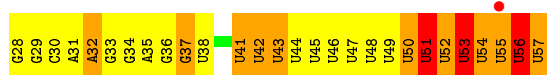
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37



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



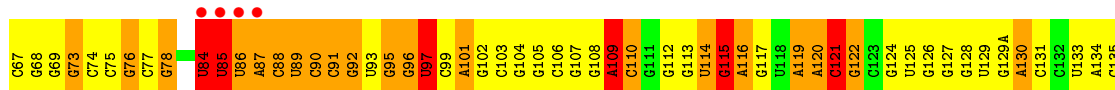
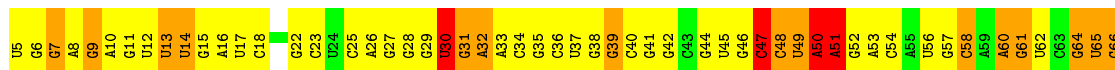
- Molecule 53: MRNA



- Molecule 53: MRNA



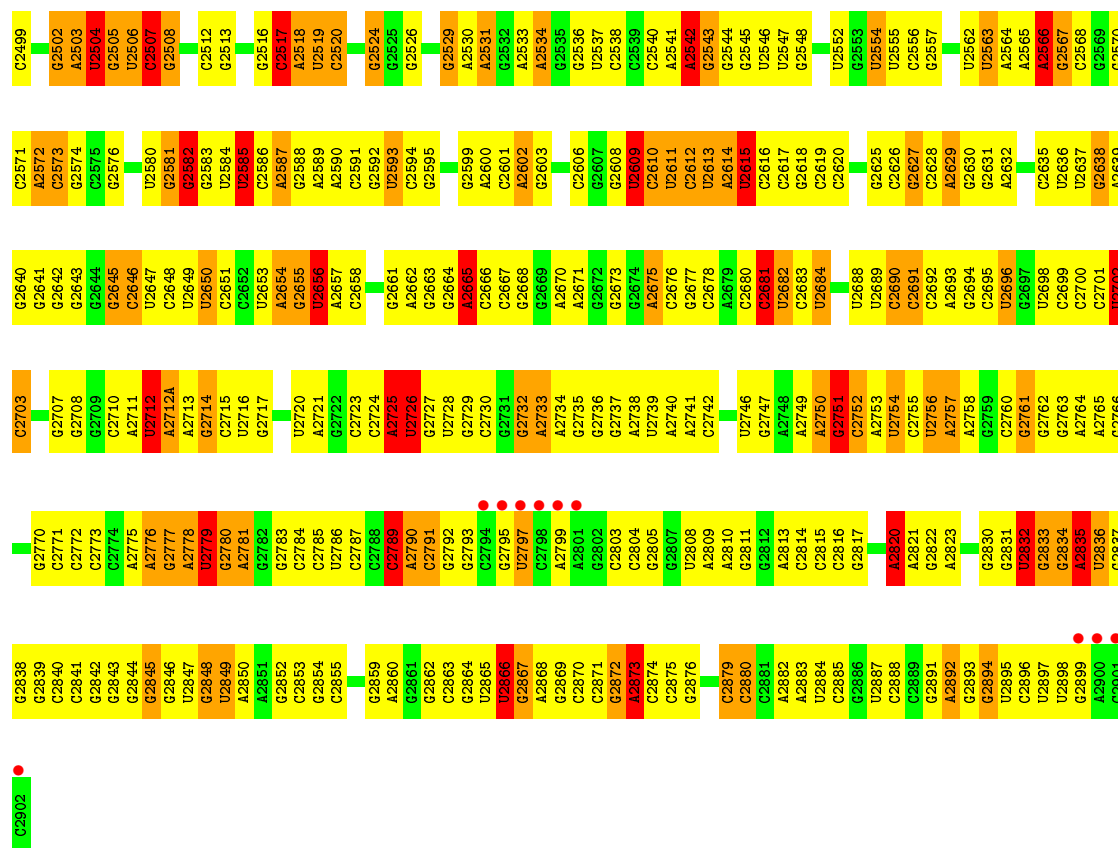
- Molecule 54: 16S ribosomal RNA



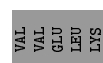
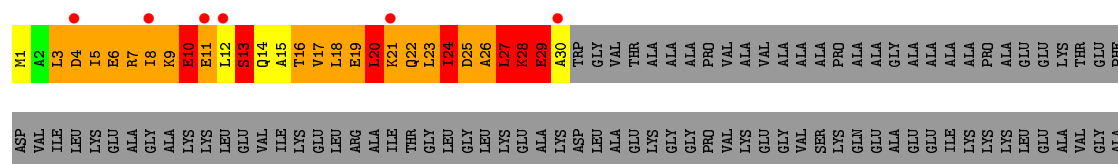
U1086	G1024	A959	G742	G680	G617	A547	G481	G407	C341	C268	G191E	C136
G1087	U1025	U950	U743	C681	C618	G548	A482	A408	C342	C269	U191F	C137
G1088	G1026	U961	C744	G682	U619	G549	A483	G409	U343	A270	G191	G138
U1089	C1027	A892	C745	G683	C620	G550	C484	G410	A344		U192	G139
U1090	G1028	G963	A746	A684	A621	U551	G485	A411	C345	A274	C193	A140
C1028A	U1029	A964	C747	G685	U622	U552	U486	A412	G346	G275	C194	A141
A1092	C1028B	A885	C748	U686	C623	A553	A487	G413	C347	G276	A195	G142
A1093	G1029	G966	C749	A687	C624	G554	C488	G414	G348	C277	A196	A143
U1094	C1030	G967	G750	G688	U625	C555	C489			G278	A197	G144
U1095	G1031	A968	U751	G689	U626	C556	G490	C418	G351	A279	G198	
C1096	A1032	A969	G752	G690	U627	C557		C419	C352	C280	G199	G147
C1097	G1032A	G970	A753	G691	G628	G558	G493	U420	A353	G281	G200	G148
C1098	G1032B	G971	C754	U692	G629	A559	U494	U421	G354	A282	C201	A149
G1099	G1033	C972	G755	G693	G630	U560	A495	C422		C283	U208	
C1100	U1034	G973		A694	G631	U561	A496	G423	G357		U209	A152
A1101	A974	A974	G758	A695	A632	U562	U497	G424	U358	A288	U210	C153
A1102	G1036	A975	A759	A696	G633	A563	A498	G425	U359	G289	G216	C154
G1103	C1037	C912	G760	U697	C634	C564	G500	G426		C290		
G1104	G1038	A913	A761	G698	G635	U565	C501	U427	A363	C291	G220	G157
A1105	U1039	A914	C764	C699	U636	G566	G502	G428	U364	G292	C221	G158
C1106	U1040	A915	G765	G700	G637	G567	C503	U429	U365		U222	G159
C1107	A1046	A918	A766	C701	G638	G568	C504	A430	C366	G297	U223	A160
G1108	G1047	U981	A767	A702	G639		G505	A431	U367	A298	C224	A161
	U1048	U982	A768	G703	A640	A572	G506	A432	U368	G299	C225	A162
C1112	G1049	A983	G773	U705	A642	A574	C507	C433	U375	A300	G226	C163
	U1050	A986		A706	G643		C508	U434		G301		U164
C1116	C1051	G987	G776	A707	C644	G576	A509	C435	G371	G302	U229	C165
C1117	U1052	A923	A777	C707	G645	G577	A510	U437	C372		G230	G166
C1118	U1053	G924	A778	G708	U646	G578	C511	A438	A373	G305	G231	G167
C1119	G1054	C925	A779	G709	U647	G579	U512	A439	A374	G306	G232	G168
G1120	U1055	U991	C779	G710	C648	U580	G517	A440	U376		C234	C169
U1121	A1056	U992	A780	G711	A649		C518	C442	G377	G309	G235	U170
U1122	U1056	G993	A781	A712	G649	G585	C519	G443		G310		A171
A1123	G1057	A994	C782	G713	G650	C586		C444	C381	C311	C241	U172
U1125	C1058	G931	C783	G714	C651	U591		C445	A382	C312	C242	U173
U1126	U1059	G932	C784	A715	U652	A523	A523	G446	A383	A313	A243	C174
U1127	G1060	G933	G785	A716	G653	G595	G524	G447	A384	C314	U244	C175
C1128	U1061	A935		C717	G654	G596	C525	A448	C385	A315	C245	C176
C1129	C1062	U939	U788	G718	A655	C597	C526	A449	C386	G316	C246	C177
A1130	U1063	G1001	A789	C719	G656	G598	G527	G450	U387	A179	G247	C178
G1131	G1064	G1002	A790	C720	G657	U598	C528	A451	G388	A321		U180
G1132	U1065	C940	A791	G721	U658	C600	G529	A452	A389	U323	G250	G181
C1133	A1066	G941	A792	A722	U659	C601	G530	A453	C390	G324	G251	U182
G1134	C1067	U942	U793	G723	G660	A602	U531	C454	G391	A325	U252	G183
U1135	U1068	U943	C795	G724	G661	G603	A532		G392	G326	U253	G184
C1136	C1069	G944	A794	G725	A662	U603	U534	C456	A393	A327	G254	A185
C1137	U1070	G945	G800	C726	A663	G604	A533	G458	A394	C328	G255	C186
G1138	C1071	A946	U801	G727	G664	U605	U535	A459	C395	A329	U256	C186A
G1139	U1072	G947	A802	A728	A665	G606	A536	C464	G396	C330	G257	C186B
C1140	U1073	C948	A803	A729	G666	A607	C537	A465	A397	G331	G258	G186C
C1141	A1014	A949	G803	G730	G671	A608	G538	C466	C398	G332	G259	C186D
G1142	A1015	U950	U804	G731	U672	A609	A539	G467	G399	G333	G260	
G1143	A1016	C879	C805	C732	U673	A609	A539	A468	C400	U261	U261	U188
G1144	G1017	G952	C806		G673	G610	G540	G474	C401	A262	A262	U189
C1145	C1018	G953	A807	C736	G674	A611	G541	G475	C402	A263	A263	G190
C1146	U1019	G954	C808		A675	G612	G542	G476	C403	C336	U264	G191A
A1146	G1081	U955	C883	C738	A676	G613	C543	G477	C404	A337	U265	G191B
C1147	G1082	U956	U812	C739	U677	A614	G544	A478	U404	A338	G266	G191C
G1148	U1021	U957	U813	U740	U678	C615	C545	C479	U405	C339	G267	U191D
C1149	G1022	G885	U814		G679	G616	G546		G406	U340		



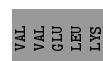
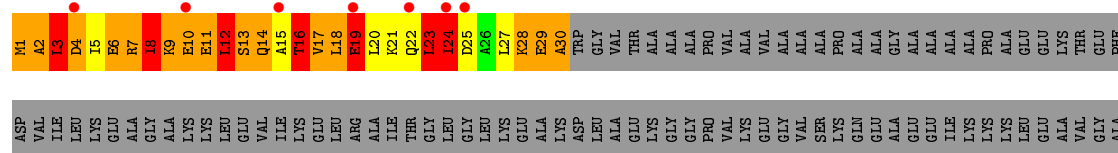




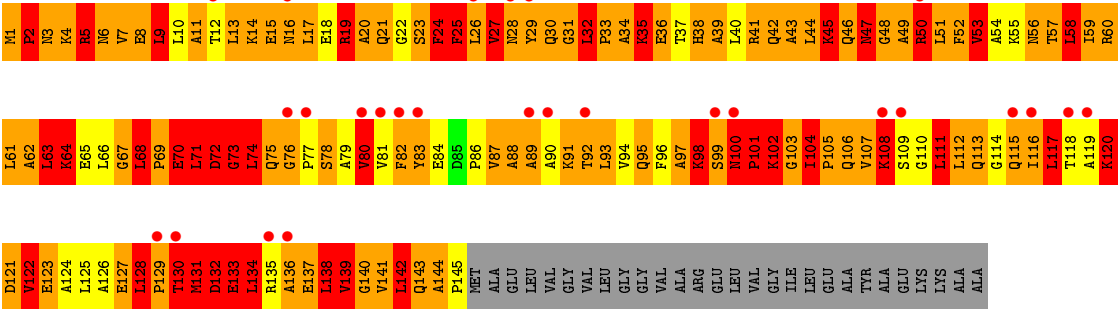
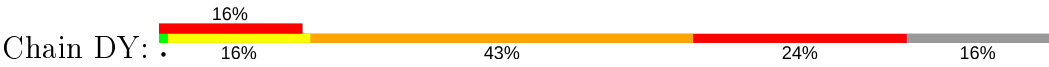
- Molecule 56: 50S ribosomal protein L7/L12



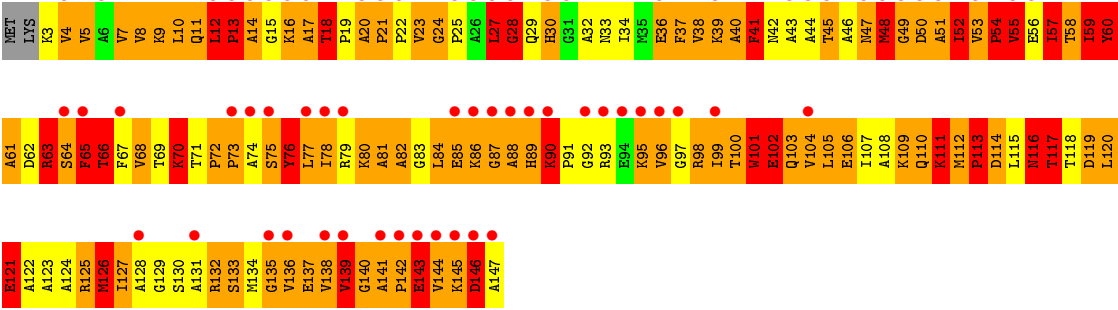
- Molecule 56: 50S ribosomal protein L7/L12



- Molecule 57: 50S ribosomal protein L10



● Molecule 58: 50S ribosomal protein L11



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.46 Å 446.20 Å 623.05 Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	300.00 – 3.10 223.10 – 3.00	Depositor EDS
% Data completeness (in resolution range)	96.5 (300.00-3.10) 99.8 (223.10-3.00)	Depositor EDS
R_{merge}	0.19	Depositor
R_{sym}	0.27	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.72 (at 3.01 Å)	Xtriage
Refinement program	CNS	Depositor
R, R_{free}	0.215 , 0.255 0.222 , 0.260	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)	0.27 , 75.2	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	0.55	6/70167 (0.0%)	0.87	170/109541 (0.2%)
2	AB	0.42	1/2928 (0.0%)	0.80	0/4568
2	DB	0.58	3/2928 (0.1%)	0.85	5/4568 (0.1%)
3	AD	0.45	0/2165	0.80	1/2919 (0.0%)
3	DD	0.54	0/2165	0.87	1/2919 (0.0%)
4	AE	0.39	0/1601	0.77	1/2160 (0.0%)
4	DE	0.50	0/1601	0.89	3/2160 (0.1%)
5	AF	0.39	0/1662	0.74	1/2249 (0.0%)
5	DF	0.50	0/1620	0.76	0/2194
6	AG	0.31	0/1499	0.58	0/2016
6	DG	0.38	0/1499	0.66	0/2016
7	AH	0.28	0/1332	0.62	0/1802
7	DH	0.41	0/1332	0.89	2/1802 (0.1%)
8	AK	0.33	0/1151	0.74	0/1558
8	DK	0.35	0/1151	0.74	1/1558 (0.1%)
9	AM	0.34	0/1131	0.66	0/1525
9	DM	0.46	0/1131	0.81	1/1525 (0.1%)
10	AN	0.40	0/943	0.67	0/1269
10	DN	0.49	0/943	0.75	0/1269
11	AO	0.39	0/1162	0.80	2/1544 (0.1%)
11	DO	0.51	0/1162	0.95	3/1544 (0.2%)
12	AP	0.39	0/1143	0.72	0/1527
12	DP	0.53	0/1143	0.80	1/1527 (0.1%)
13	A0	0.38	0/974	0.67	0/1302
13	D0	0.45	0/982	0.79	1/1312 (0.1%)
14	AQ	0.34	0/892	0.70	0/1187
14	DQ	0.41	0/892	0.84	1/1187 (0.1%)
15	AR	0.38	0/1155	0.68	0/1542
15	DR	0.44	0/1155	0.75	1/1542 (0.1%)
16	A1	0.38	0/982	0.67	0/1306
16	D1	0.49	0/982	0.75	0/1306
17	A2	0.38	0/790	0.75	0/1057

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

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

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected

by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

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

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

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

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

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

There are no chirality outliers.

5 of 395 planarity outliers are listed below:

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

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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	3579	1
2	AB	2617	0	1328	187	0
2	DB	2617	0	1328	116	0
3	AD	2115	0	2195	312	0
3	DD	2115	0	2195	370	0
4	AE	1568	0	1634	355	0
4	DE	1568	0	1634	274	0
5	AF	1627	0	1679	258	0
5	DF	1585	0	1631	192	0
6	AG	1474	0	1535	252	0
6	DG	1474	0	1535	277	0
7	AH	1307	0	1382	233	0
7	DH	1307	0	1382	255	0
8	AK	1136	0	1223	199	0
8	DK	1136	0	1221	222	0
9	AM	1104	0	1180	164	0
9	DM	1104	0	1180	178	0
10	AN	933	0	996	107	0
10	DN	933	0	996	114	0
11	AO	1145	0	1228	255	0
11	DO	1145	0	1227	265	0
12	AP	1122	0	1179	242	0
12	DP	1122	0	1179	180	0
13	A0	960	0	1021	133	0
13	D0	968	0	1033	146	0
14	AQ	882	0	943	142	0
14	DQ	882	0	943	144	0
15	AR	1141	0	1202	171	0
15	DR	1141	0	1202	183	0
16	A1	964	0	1022	169	1

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	D1	964	0	1022	144	0
17	A2	779	0	852	210	0
17	D2	779	0	852	148	0
18	AS	900	0	964	97	0
18	DS	900	0	963	89	0
19	AT	725	0	778	92	0
19	DT	725	0	778	78	0
20	AU	785	0	878	217	0
20	DU	785	0	878	171	0
21	AV	1489	0	1515	418	0
21	DV	1582	0	1613	447	0
22	A3	662	0	688	103	0
22	D3	662	0	688	87	0
23	AZ	763	0	848	107	0
23	DZ	763	0	848	92	0
24	AW	581	0	629	125	0
24	DW	581	0	629	76	0
25	AX	469	0	518	62	0
25	DX	469	0	518	46	0
26	A4	581	0	573	181	0
26	D4	581	0	573	174	0
27	A5	459	0	480	62	0
27	D5	459	0	480	81	0
28	A6	389	0	404	119	0
28	D6	389	0	404	126	0
29	A7	430	0	480	49	0
29	D7	430	0	480	35	0
30	A8	517	0	582	153	0
30	D8	517	0	582	103	0
31	BA	32571	0	16441	1933	1
32	BE	1924	0	1975	295	0
32	CE	1924	0	1975	286	0
33	BF	1612	0	1677	257	0
33	CF	1605	0	1668	217	0
34	BG	1703	0	1763	257	0
34	CG	1703	0	1763	235	0
35	BH	1155	0	1212	133	0
35	CH	1155	0	1213	151	0
36	BI	843	0	857	96	0
36	CI	843	0	857	101	0
37	BJ	1257	0	1296	139	0
37	CJ	1257	0	1296	138	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
38	BK	1116	0	1177	121	0
38	CK	1116	0	1177	164	0
39	BL	1010	0	1037	187	0
39	CL	1010	0	1037	152	0
40	BM	801	0	849	165	0
40	CM	801	0	849	149	0
41	BN	885	0	904	73	0
41	CN	885	0	904	76	0
42	BO	975	0	1062	140	0
42	CO	975	0	1062	138	0
43	BP	964	0	1034	181	0
43	CP	997	0	1072	192	0
44	BQ	492	0	529	84	0
44	CQ	492	0	529	82	0
45	BR	734	0	771	72	0
45	CR	734	0	771	75	0
46	BS	705	0	725	80	0
46	CS	705	0	725	131	0
47	BT	834	0	904	73	0
47	CT	834	0	904	92	0
48	BU	591	0	662	94	0
48	CU	591	0	662	100	0
49	BV	665	0	684	174	0
49	CV	702	0	728	156	0
50	BW	763	0	861	119	0
50	CW	763	0	861	113	0
51	BX	217	0	234	37	0
51	CX	217	0	234	23	0
52	BB	1626	0	832	95	0
52	BC	1626	0	833	86	0
52	BD	1626	0	833	89	0
52	CB	1626	0	832	97	0
52	CC	1626	0	832	62	0
52	CD	1626	0	832	118	0
53	B1	621	0	312	68	0
53	C1	621	0	312	76	0
54	CA	32551	0	16431	1895	0
55	DA	62707	0	31590	3338	1
56	DI	237	0	257	165	0
56	DJ	237	0	256	208	0
57	DY	1107	0	1166	947	0
58	DL	1071	0	1113	696	0

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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	26272	2

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 52.

The worst 5 of 26272 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

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

All (2) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

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

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	AD	270/276 (98%)	201 (74%)	45 (17%)	24 (9%)	1	4
3	DD	270/276 (98%)	193 (72%)	61 (23%)	16 (6%)	1	10
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	7
6	AG	179/182 (98%)	127 (71%)	36 (20%)	16 (9%)	1	4
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	3
10	AN	120/122 (98%)	98 (82%)	17 (14%)	5 (4%)	3	16
10	DN	120/122 (98%)	104 (87%)	12 (10%)	4 (3%)	4	21
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	1
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	3
14	AQ	109/112 (97%)	68 (62%)	21 (19%)	20 (18%)	0	0
14	DQ	109/112 (97%)	70 (64%)	21 (19%)	18 (16%)	0	0
15	AR	135/146 (92%)	98 (73%)	25 (18%)	12 (9%)	1	4
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	5
16	D1	115/118 (98%)	96 (84%)	11 (10%)	8 (7%)	1	7
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	6
18	DS	111/113 (98%)	87 (78%)	20 (18%)	4 (4%)	3	20
19	AT	90/96 (94%)	66 (73%)	17 (19%)	7 (8%)	1	5
19	DT	90/96 (94%)	75 (83%)	13 (14%)	2 (2%)	6	29
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	6
23	AZ	95/98 (97%)	73 (77%)	10 (10%)	12 (13%)	0	1
23	DZ	95/98 (97%)	74 (78%)	13 (14%)	8 (8%)	1	5
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	3
25	AX	57/60 (95%)	46 (81%)	6 (10%)	5 (9%)	1	4
25	DX	57/60 (95%)	49 (86%)	5 (9%)	3 (5%)	2	12
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	16
30	A8	62/65 (95%)	37 (60%)	11 (18%)	14 (23%)	0	0
30	D8	62/65 (95%)	43 (69%)	9 (14%)	10 (16%)	0	0
32	BE	235/256 (92%)	137 (58%)	62 (26%)	36 (15%)	0	0
32	CE	235/256 (92%)	140 (60%)	58 (25%)	37 (16%)	0	0
33	BF	204/239 (85%)	135 (66%)	40 (20%)	29 (14%)	0	1
33	CF	203/239 (85%)	137 (68%)	49 (24%)	17 (8%)	1	5
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	5
35	CH	149/162 (92%)	115 (77%)	26 (17%)	8 (5%)	2	12
36	BI	99/101 (98%)	79 (80%)	15 (15%)	5 (5%)	2	13
36	CI	99/101 (98%)	66 (67%)	26 (26%)	7 (7%)	1	6
37	BJ	153/156 (98%)	115 (75%)	26 (17%)	12 (8%)	1	5
37	CJ	153/156 (98%)	120 (78%)	26 (17%)	7 (5%)	2	15
38	BK	136/138 (99%)	104 (76%)	21 (15%)	11 (8%)	1	5
38	CK	136/138 (99%)	101 (74%)	30 (22%)	5 (4%)	3	19
39	BL	125/128 (98%)	89 (71%)	28 (22%)	8 (6%)	1	8
39	CL	125/128 (98%)	93 (74%)	19 (15%)	13 (10%)	0	3
40	BM	97/105 (92%)	61 (63%)	24 (25%)	12 (12%)	0	1
40	CM	97/105 (92%)	71 (73%)	19 (20%)	7 (7%)	1	6
41	BN	117/129 (91%)	87 (74%)	21 (18%)	9 (8%)	1	5
41	CN	117/129 (91%)	90 (77%)	24 (20%)	3 (3%)	5	26
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	20
45	CR	86/89 (97%)	66 (77%)	14 (16%)	6 (7%)	1	7
46	BS	82/88 (93%)	57 (70%)	19 (23%)	6 (7%)	1	6
46	CS	82/88 (93%)	54 (66%)	22 (27%)	6 (7%)	1	6
47	BT	98/105 (93%)	78 (80%)	11 (11%)	9 (9%)	1	4
47	CT	98/105 (93%)	75 (76%)	17 (17%)	6 (6%)	1	9
48	BU	70/88 (80%)	45 (64%)	16 (23%)	9 (13%)	0	1
48	CU	70/88 (80%)	51 (73%)	11 (16%)	8 (11%)	0	2
49	BV	81/93 (87%)	47 (58%)	23 (28%)	11 (14%)	0	1
49	CV	86/93 (92%)	56 (65%)	16 (19%)	14 (16%)	0	0
50	BW	97/106 (92%)	55 (57%)	29 (30%)	13 (13%)	0	1
50	CW	97/106 (92%)	65 (67%)	20 (21%)	12 (12%)	0	1
51	BX	23/27 (85%)	16 (70%)	4 (17%)	3 (13%)	0	1
51	CX	23/27 (85%)	18 (78%)	3 (13%)	2 (9%)	1	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%)	182 (85%)	32 (15%)	3	12
3	DD	214/218 (98%)	181 (85%)	33 (15%)	2	11
4	AE	165/166 (99%)	146 (88%)	19 (12%)	5	22
4	DE	165/166 (99%)	128 (78%)	37 (22%)	1	3
5	AF	165/166 (99%)	151 (92%)	14 (8%)	10	37
5	DF	161/166 (97%)	136 (84%)	25 (16%)	2	11
6	AG	155/156 (99%)	138 (89%)	17 (11%)	6	25
6	DG	155/156 (99%)	134 (86%)	21 (14%)	4	16
7	AH	142/148 (96%)	130 (92%)	12 (8%)	10	37
7	DH	142/148 (96%)	117 (82%)	25 (18%)	2	8
8	AK	122/124 (98%)	105 (86%)	17 (14%)	3	15
8	DK	122/124 (98%)	92 (75%)	30 (25%)	0	2
9	AM	117/119 (98%)	100 (86%)	17 (14%)	3	13
9	DM	117/119 (98%)	102 (87%)	15 (13%)	4	18
10	AN	100/100 (100%)	83 (83%)	17 (17%)	2	9
10	DN	100/100 (100%)	84 (84%)	16 (16%)	2	11
11	AO	116/116 (100%)	91 (78%)	25 (22%)	1	4
11	DO	116/116 (100%)	84 (72%)	32 (28%)	0	1
12	AP	111/111 (100%)	91 (82%)	20 (18%)	1	7
12	DP	111/111 (100%)	97 (87%)	14 (13%)	4	18
13	A0	100/101 (99%)	88 (88%)	12 (12%)	5	20
13	D0	101/101 (100%)	83 (82%)	18 (18%)	2	8
14	AQ	87/88 (99%)	76 (87%)	11 (13%)	4	18
14	DQ	87/88 (99%)	74 (85%)	13 (15%)	3	13
15	AR	120/127 (94%)	98 (82%)	22 (18%)	1	7
15	DR	120/127 (94%)	96 (80%)	24 (20%)	1	5
16	A1	93/94 (99%)	82 (88%)	11 (12%)	5	21
16	D1	93/94 (99%)	77 (83%)	16 (17%)	2	9
17	A2	82/82 (100%)	72 (88%)	10 (12%)	5	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
17	D2	82/82 (100%)	64 (78%)	18 (22%)	1	4
18	AS	92/92 (100%)	80 (87%)	12 (13%)	4	18
18	DS	92/92 (100%)	79 (86%)	13 (14%)	3	15
19	AT	74/78 (95%)	67 (90%)	7 (10%)	8	31
19	DT	74/78 (95%)	66 (89%)	8 (11%)	6	25
20	AU	85/91 (93%)	61 (72%)	24 (28%)	0	1
20	DU	85/91 (93%)	66 (78%)	19 (22%)	1	3
21	AV	164/179 (92%)	130 (79%)	34 (21%)	1	5
21	DV	173/179 (97%)	131 (76%)	42 (24%)	0	2
22	A3	66/67 (98%)	59 (89%)	7 (11%)	6	26
22	D3	66/67 (98%)	59 (89%)	7 (11%)	6	26
23	AZ	82/83 (99%)	70 (85%)	12 (15%)	3	13
23	DZ	82/83 (99%)	71 (87%)	11 (13%)	4	16
24	AW	64/67 (96%)	58 (91%)	6 (9%)	8	32
24	DW	64/67 (96%)	53 (83%)	11 (17%)	2	9
25	AX	51/52 (98%)	42 (82%)	9 (18%)	2	8
25	DX	51/52 (98%)	48 (94%)	3 (6%)	19	50
26	A4	63/63 (100%)	45 (71%)	18 (29%)	0	1
26	D4	63/63 (100%)	49 (78%)	14 (22%)	1	4
27	A5	51/52 (98%)	45 (88%)	6 (12%)	5	21
27	D5	51/52 (98%)	36 (71%)	15 (29%)	0	1
28	A6	44/52 (85%)	31 (70%)	13 (30%)	0	1
28	D6	44/52 (85%)	28 (64%)	16 (36%)	0	0
29	A7	42/42 (100%)	34 (81%)	8 (19%)	1	6
29	D7	42/42 (100%)	38 (90%)	4 (10%)	8	31
30	A8	54/55 (98%)	43 (80%)	11 (20%)	1	5
30	D8	54/55 (98%)	39 (72%)	15 (28%)	0	1
32	BE	205/220 (93%)	187 (91%)	18 (9%)	10	36
32	CE	205/220 (93%)	183 (89%)	22 (11%)	6	26
33	BF	160/188 (85%)	140 (88%)	20 (12%)	4	18
33	CF	159/188 (85%)	146 (92%)	13 (8%)	11	38

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	BG	180/181 (99%)	155 (86%)	25 (14%)	3	15
34	CG	180/181 (99%)	160 (89%)	20 (11%)	6	24
35	BH	116/123 (94%)	103 (89%)	13 (11%)	6	24
35	CH	116/123 (94%)	101 (87%)	15 (13%)	4	18
36	BI	90/90 (100%)	81 (90%)	9 (10%)	7	28
36	CI	90/90 (100%)	85 (94%)	5 (6%)	21	52
37	BJ	126/127 (99%)	114 (90%)	12 (10%)	8	31
37	CJ	126/127 (99%)	118 (94%)	8 (6%)	18	48
38	BK	119/119 (100%)	112 (94%)	7 (6%)	19	50
38	CK	119/119 (100%)	110 (92%)	9 (8%)	13	41
39	BL	98/99 (99%)	86 (88%)	12 (12%)	5	19
39	CL	98/99 (99%)	84 (86%)	14 (14%)	3	14
40	BM	89/92 (97%)	79 (89%)	10 (11%)	6	24
40	CM	89/92 (97%)	80 (90%)	9 (10%)	7	28
41	BN	90/99 (91%)	85 (94%)	5 (6%)	21	52
41	CN	90/99 (91%)	88 (98%)	2 (2%)	52	78
42	BO	104/109 (95%)	91 (88%)	13 (12%)	4	18
42	CO	104/109 (95%)	93 (89%)	11 (11%)	6	26
43	BP	97/101 (96%)	86 (89%)	11 (11%)	6	23
43	CP	100/101 (99%)	82 (82%)	18 (18%)	1	7
44	BQ	49/50 (98%)	42 (86%)	7 (14%)	3	14
44	CQ	49/50 (98%)	43 (88%)	6 (12%)	5	19
45	BR	79/80 (99%)	73 (92%)	6 (8%)	13	41
45	CR	79/80 (99%)	72 (91%)	7 (9%)	9	34
46	BS	72/74 (97%)	66 (92%)	6 (8%)	11	38
46	CS	72/74 (97%)	61 (85%)	11 (15%)	2	12
47	BT	95/97 (98%)	91 (96%)	4 (4%)	30	62
47	CT	95/97 (98%)	89 (94%)	6 (6%)	18	48
48	BU	63/77 (82%)	51 (81%)	12 (19%)	1	6
48	CU	63/77 (82%)	51 (81%)	12 (19%)	1	6
49	BV	72/80 (90%)	59 (82%)	13 (18%)	1	7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
49	CV	75/80 (94%)	53 (71%)	22 (29%)	0	1
50	BW	76/82 (93%)	65 (86%)	11 (14%)	3	13
50	CW	76/82 (93%)	69 (91%)	7 (9%)	9	33
51	BX	20/22 (91%)	17 (85%)	3 (15%)	3	12
51	CX	20/22 (91%)	19 (95%)	1 (5%)	24	57
56	DI	26/90 (29%)	15 (58%)	11 (42%)	0	0
56	DJ	26/90 (29%)	14 (54%)	12 (46%)	0	0
57	DY	117/135 (87%)	47 (40%)	70 (60%)	0	0
58	DL	109/111 (98%)	52 (48%)	57 (52%)	0	0
All	All	9931/10424 (95%)	8408 (85%)	1523 (15%)	2	12

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

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

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

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

5.3.3 RNA ⓘ

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

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

5 of 2430 RNA backbone outliers are listed below:

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

5 of 1016 RNA pucker outliers are listed below:

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

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
52	MIA	BB	37	52	24,31,32	1.86	4 (16%)	26,44,47	3.09	6 (23%)
52	MIA	CD	37	52	24,31,32	1.94	4 (16%)	26,44,47	2.84	6 (23%)
52	MIA	CB	37	52	24,31,32	1.78	3 (12%)	26,44,47	3.35	5 (19%)
52	MIA	CC	37	52	24,31,32	1.89	4 (16%)	26,44,47	2.81	6 (23%)
52	MIA	BC	37	52	24,31,32	1.63	2 (8%)	26,44,47	2.81	6 (23%)
52	MIA	BD	37	52	24,31,32	2.00	4 (16%)	26,44,47	3.09	6 (23%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
52	MIA	BB	37	52	-	2/11/33/34	0/3/3/3
52	MIA	CD	37	52	-	4/11/33/34	0/3/3/3
52	MIA	CB	37	52	-	4/11/33/34	0/3/3/3
52	MIA	CC	37	52	-	0/11/33/34	0/3/3/3
52	MIA	BC	37	52	-	2/11/33/34	0/3/3/3
52	MIA	BD	37	52	-	2/11/33/34	0/3/3/3

The worst 5 of 21 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
52	CB	37	MIA	C13-C14	6.49	1.51	1.32
52	CC	37	MIA	C13-C14	6.48	1.51	1.32
52	BD	37	MIA	C13-C14	6.43	1.50	1.32
52	BB	37	MIA	C13-C14	6.41	1.50	1.32
52	CD	37	MIA	C13-C14	6.40	1.50	1.32

The worst 5 of 35 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
52	CB	37	MIA	C12-N6-C6	-12.70	103.74	122.55
52	BB	37	MIA	C11-S10-C2	10.55	110.15	102.27
52	BD	37	MIA	C11-S10-C2	10.29	109.95	102.27
52	CD	37	MIA	C11-S10-C2	10.25	109.92	102.27
52	BC	37	MIA	C12-N6-C6	-9.94	107.82	122.55

There are no chirality outliers.

5 of 14 torsion outliers are listed below:

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

There are no ring outliers.

6 monomers are involved in 25 short contacts:

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

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

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

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues

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%)	-0.16	74 (2%) 57 34	24, 64, 192, 200	0
2	AB	122/122 (100%)	-0.26	2 (1%) 72 51	71, 95, 122, 159	0
2	DB	122/122 (100%)	-0.36	1 (0%) 86 72	43, 62, 79, 132	0
3	AD	272/276 (98%)	0.24	4 (1%) 73 54	29, 49, 71, 94	0
3	DD	272/276 (98%)	0.00	2 (0%) 87 75	15, 35, 58, 78	0
4	AE	205/206 (99%)	1.02	40 (19%) 1 0	41, 77, 115, 121	0
4	DE	205/206 (99%)	0.37	9 (4%) 34 17	16, 49, 92, 103	0
5	AF	208/210 (99%)	0.40	16 (7%) 13 5	33, 67, 130, 143	0
5	DF	202/210 (96%)	-0.20	1 (0%) 91 81	10, 43, 77, 88	0
6	AG	181/182 (99%)	1.04	35 (19%) 1 0	86, 105, 124, 138	0
6	DG	181/182 (99%)	0.20	6 (3%) 46 24	55, 70, 98, 109	0
7	AH	170/180 (94%)	2.75	92 (54%) 0 0	124, 158, 180, 187	0
7	DH	170/180 (94%)	0.34	7 (4%) 37 18	48, 84, 96, 100	0
8	AK	146/148 (98%)	0.47	11 (7%) 14 5	58, 93, 117, 128	0
8	DK	146/148 (98%)	0.61	13 (8%) 9 3	46, 93, 108, 114	0
9	AM	138/140 (98%)	1.36	31 (22%) 0 0	59, 83, 108, 111	0
9	DM	138/140 (98%)	-0.03	2 (1%) 75 56	31, 48, 85, 96	0
10	AN	122/122 (100%)	1.07	19 (15%) 2 1	42, 68, 81, 87	0
10	DN	122/122 (100%)	0.19	1 (0%) 86 72	24, 44, 58, 66	0
11	AO	150/150 (100%)	0.32	7 (4%) 31 15	43, 83, 109, 137	0
11	DO	150/150 (100%)	0.04	4 (2%) 54 31	23, 54, 87, 117	0
12	AP	141/141 (100%)	1.40	35 (24%) 0 0	49, 84, 112, 122	0
12	DP	141/141 (100%)	-0.03	3 (2%) 63 43	28, 48, 77, 95	0
13	A0	117/118 (99%)	-0.06	0 100 100	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%)	-0.41	0 100 100	21, 47, 68, 79	0
14	AQ	111/112 (99%)	0.10	4 (3%) 42 22	71, 97, 127, 137	0
14	DQ	111/112 (99%)	0.28	8 (7%) 15 6	44, 63, 84, 97	0
15	AR	137/146 (93%)	0.09	6 (4%) 34 17	57, 77, 123, 139	0
15	DR	137/146 (93%)	0.28	5 (3%) 42 22	39, 59, 103, 134	0
16	A1	117/118 (99%)	1.06	20 (17%) 1 0	42, 76, 109, 122	0
16	D1	117/118 (99%)	-0.34	2 (1%) 70 49	25, 39, 64, 101	0
17	A2	101/101 (100%)	1.46	34 (33%) 0 0	41, 94, 110, 113	0
17	D2	101/101 (100%)	-0.09	3 (2%) 50 27	18, 60, 77, 83	0
18	AS	113/113 (100%)	0.40	3 (2%) 54 31	39, 57, 84, 106	0
18	DS	113/113 (100%)	-0.35	1 (0%) 84 69	28, 40, 64, 109	0
19	AT	92/96 (95%)	0.19	3 (3%) 46 24	45, 62, 86, 90	0
19	DT	92/96 (95%)	-0.34	0 100 100	24, 41, 60, 65	0
20	AU	102/110 (92%)	1.09	17 (16%) 1 1	58, 83, 144, 149	0
20	DU	102/110 (92%)	-0.07	5 (4%) 29 14	44, 71, 114, 123	0
21	AV	187/206 (90%)	2.65	106 (56%) 0 0	96, 128, 171, 184	0
21	DV	200/206 (97%)	0.92	36 (18%) 1 0	48, 97, 155, 163	0
22	A3	84/85 (98%)	0.24	6 (7%) 16 6	52, 71, 99, 110	0
22	D3	84/85 (98%)	-0.11	3 (3%) 42 22	25, 44, 80, 96	0
23	AZ	97/98 (98%)	0.49	9 (9%) 8 3	39, 61, 102, 111	0
23	DZ	97/98 (98%)	0.33	4 (4%) 37 18	23, 50, 98, 120	0
24	AW	69/72 (95%)	0.09	3 (4%) 35 17	48, 71, 115, 141	0
24	DW	69/72 (95%)	-0.17	1 (1%) 75 56	29, 53, 84, 104	0
25	AX	59/60 (98%)	1.49	14 (23%) 0 0	60, 81, 101, 112	0
25	DX	59/60 (98%)	-0.14	1 (1%) 70 49	32, 50, 73, 89	0
26	A4	71/71 (100%)	3.13	49 (69%) 0 0	126, 151, 157, 158	0
26	D4	71/71 (100%)	1.10	13 (18%) 1 0	95, 125, 138, 143	0
27	A5	59/60 (98%)	0.78	8 (13%) 3 1	45, 65, 140, 145	0
27	D5	59/60 (98%)	0.53	10 (16%) 1 0	19, 57, 159, 165	0
28	A6	45/54 (83%)	1.86	18 (40%) 0 0	126, 140, 154, 156	0
28	D6	45/54 (83%)	3.82	33 (73%) 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%)	0.11	2 (4%) 37 18	30, 40, 98, 125	0
29	D7	49/49 (100%)	-0.30	2 (4%) 37 18	16, 25, 82, 109	0
30	A8	64/65 (98%)	0.44	3 (4%) 31 15	45, 64, 95, 120	0
30	D8	64/65 (98%)	-0.11	0 100 100	25, 39, 55, 98	0
31	BA	1516/1516 (100%)	-0.51	8 (0%) 91 81	32, 82, 155, 200	0
32	BE	237/256 (92%)	0.44	21 (8%) 9 3	83, 120, 159, 171	0
32	CE	237/256 (92%)	0.31	15 (6%) 20 8	65, 104, 144, 155	0
33	BF	206/239 (86%)	0.52	18 (8%) 10 4	82, 108, 137, 147	0
33	CF	205/239 (85%)	0.85	29 (14%) 2 1	54, 85, 115, 122	0
34	BG	208/209 (99%)	0.02	4 (1%) 66 46	57, 76, 93, 103	0
34	CG	208/209 (99%)	0.20	5 (2%) 59 37	62, 80, 99, 104	0
35	BH	151/162 (93%)	-0.21	1 (0%) 87 75	68, 82, 104, 117	0
35	CH	151/162 (93%)	-0.02	1 (0%) 87 75	49, 69, 99, 114	0
36	BI	101/101 (100%)	0.68	11 (10%) 5 2	55, 73, 90, 109	0
36	CI	101/101 (100%)	0.25	1 (0%) 82 67	47, 73, 83, 109	0
37	BJ	155/156 (99%)	0.48	7 (4%) 33 16	69, 93, 115, 124	0
37	CJ	155/156 (99%)	0.19	9 (5%) 23 10	59, 85, 104, 117	0
38	BK	138/138 (100%)	-0.34	0 100 100	73, 85, 101, 109	0
38	CK	138/138 (100%)	-0.33	0 100 100	56, 74, 86, 89	0
39	BL	127/128 (99%)	-0.20	4 (3%) 49 26	81, 114, 130, 141	0
39	CL	127/128 (99%)	-0.29	1 (0%) 86 72	58, 105, 125, 134	0
40	BM	99/105 (94%)	-0.30	2 (2%) 65 44	87, 121, 137, 139	0
40	CM	99/105 (94%)	0.31	7 (7%) 16 6	57, 106, 131, 133	0
41	BN	119/129 (92%)	1.11	25 (21%) 1 0	54, 77, 104, 125	0
41	CN	119/129 (92%)	0.85	15 (12%) 3 1	50, 70, 102, 120	0
42	BO	125/132 (94%)	0.70	12 (9%) 8 2	54, 74, 91, 124	0
42	CO	125/132 (94%)	0.51	13 (10%) 6 2	38, 51, 79, 111	0
43	BP	121/126 (96%)	0.47	13 (10%) 6 2	82, 118, 131, 135	0
43	CP	125/126 (99%)	-0.02	5 (4%) 38 19	57, 92, 111, 123	0
44	BQ	60/61 (98%)	-0.21	0 100 100	78, 99, 117, 122	0
44	CQ	60/61 (98%)	-0.30	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%)	-0.05	1 (1%) 80 64	52, 74, 102, 112	0
45	CR	88/89 (98%)	-0.14	1 (1%) 80 64	43, 65, 93, 95	0
46	BS	84/88 (95%)	-0.66	0 100 100	57, 71, 92, 113	0
46	CS	84/88 (95%)	-0.65	1 (1%) 79 61	53, 78, 103, 128	0
47	BT	100/105 (95%)	-0.06	3 (3%) 50 27	60, 80, 106, 128	0
47	CT	100/105 (95%)	-0.31	1 (1%) 82 67	56, 77, 94, 110	0
48	BU	72/88 (81%)	0.64	9 (12%) 3 1	59, 75, 115, 121	0
48	CU	72/88 (81%)	0.45	3 (4%) 36 18	56, 68, 105, 117	0
49	BV	83/93 (89%)	0.50	9 (10%) 5 2	112, 124, 144, 151	0
49	CV	88/93 (94%)	0.28	6 (6%) 17 7	80, 98, 123, 141	0
50	BW	99/106 (93%)	-0.44	1 (1%) 82 67	61, 88, 128, 132	0
50	CW	99/106 (93%)	-0.45	0 100 100	60, 85, 120, 124	0
51	BX	25/27 (92%)	-0.44	0 100 100	92, 114, 122, 125	0
51	CX	25/27 (92%)	-0.53	0 100 100	84, 93, 110, 118	0
52	BB	75/76 (98%)	1.15	19 (25%) 0 0	82, 170, 186, 188	0
52	BC	75/76 (98%)	-0.06	1 (1%) 77 59	52, 85, 121, 139	0
52	BD	75/76 (98%)	0.22	4 (5%) 26 12	60, 156, 184, 192	0
52	CB	75/76 (98%)	1.08	15 (20%) 1 0	49, 148, 176, 180	0
52	CC	75/76 (98%)	0.04	2 (2%) 54 31	33, 67, 101, 114	0
52	CD	75/76 (98%)	0.60	8 (10%) 6 2	45, 151, 177, 181	0
53	B1	30/30 (100%)	0.17	1 (3%) 46 24	67, 153, 197, 198	0
53	C1	30/30 (100%)	1.00	6 (20%) 1 0	45, 141, 192, 194	0
54	CA	1515/1515 (100%)	-0.42	7 (0%) 91 81	27, 72, 153, 200	0
55	DA	2912/2912 (100%)	-0.15	53 (1%) 68 47	11, 42, 174, 200	0
56	DI	30/125 (24%)	1.40	6 (20%) 1 0	121, 127, 132, 143	0
56	DJ	30/125 (24%)	1.41	7 (23%) 0 0	124, 129, 137, 138	0
57	DY	145/173 (83%)	0.83	27 (18%) 1 0	132, 157, 169, 177	0
58	DL	145/147 (98%)	2.11	66 (45%) 0 0	128, 199, 200, 200	0
All	All	21582/22236 (97%)	0.13	1331 (6%) 20 9	10, 73, 158, 200	0

The worst 5 of 1331 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
55	DA	654(L)	G	17.7
55	DA	654(K)	C	16.8
1	AA	2901	C	15.9
21	AV	187	ALA	15.5
1	AA	654(I)	C	13.7

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	0.21	107,111,115,115	0
52	MIA	CD	37	29/30	0.92	0.27	106,108,109,110	0
52	MIA	BB	37	29/30	0.94	0.19	83,88,98,99	0
52	MIA	BC	37	29/30	0.95	0.19	70,75,80,81	0
52	MIA	CB	37	29/30	0.96	0.23	53,57,62,63	0
52	MIA	CC	37	29/30	0.97	0.21	49,53,60,61	0

6.3 Carbohydrates [i](#)

There are no carbohydrates in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. 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	3647	1/1	-0.04	0.80	108,108,108,108	0
59	MG	BA	1725	1/1	0.09	0.31	109,109,109,109	0
59	MG	BA	2128	1/1	0.10	0.15	108,108,108,108	0
59	MG	BA	1821	1/1	0.15	0.19	93,93,93,93	0
59	MG	BA	1857	1/1	0.18	0.27	122,122,122,122	0
59	MG	AW	101	1/1	0.18	0.64	97,97,97,97	0
59	MG	BD	116	1/1	0.23	0.37	129,129,129,129	0
59	MG	DA	4641	1/1	0.25	0.68	134,134,134,134	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3611	1/1	0.27	0.58	115,115,115,115	0
59	MG	CA	1685	1/1	0.28	0.28	80,80,80,80	0
59	MG	AA	4130	1/1	0.29	0.25	107,107,107,107	0
59	MG	AA	4134	1/1	0.29	0.11	117,117,117,117	0
59	MG	CA	2062	1/1	0.30	0.28	85,85,85,85	0
59	MG	AA	3073	1/1	0.30	0.34	71,71,71,71	0
59	MG	AA	3402	1/1	0.30	0.17	66,66,66,66	0
59	MG	BA	2150	1/1	0.31	0.29	96,96,96,96	0
59	MG	CA	1856	1/1	0.31	0.23	81,81,81,81	0
59	MG	DA	3989	1/1	0.33	0.12	110,110,110,110	0
59	MG	CB	114	1/1	0.34	0.16	71,71,71,71	0
59	MG	BA	1724	1/1	0.34	0.34	100,100,100,100	0
59	MG	BA	1866	1/1	0.35	0.32	111,111,111,111	0
59	MG	CA	1934	1/1	0.36	0.15	110,110,110,110	0
59	MG	DA	4733	1/1	0.37	0.30	84,84,84,84	0
59	MG	CA	1852	1/1	0.37	0.29	143,143,143,143	0
59	MG	CB	121	1/1	0.37	0.15	101,101,101,101	0
59	MG	AA	4042	1/1	0.38	0.19	88,88,88,88	0
59	MG	BD	111	1/1	0.38	0.15	74,74,74,74	0
59	MG	DA	4698	1/1	0.39	0.82	104,104,104,104	0
59	MG	DA	4129	1/1	0.39	0.09	109,109,109,109	0
59	MG	BA	2187	1/1	0.39	0.24	107,107,107,107	0
59	MG	CA	1887	1/1	0.39	0.32	92,92,92,92	0
59	MG	CA	1970	1/1	0.40	0.21	100,100,100,100	0
59	MG	CA	2241	1/1	0.40	0.23	98,98,98,98	0
59	MG	DA	4433	1/1	0.41	0.17	90,90,90,90	0
59	MG	BE	305	1/1	0.41	0.21	95,95,95,95	0
59	MG	AA	4133	1/1	0.41	0.50	127,127,127,127	0
59	MG	BA	1828	1/1	0.41	0.46	114,114,114,114	0
59	MG	DA	3757	1/1	0.41	0.89	128,128,128,128	0
59	MG	DV	301	1/1	0.41	0.38	108,108,108,108	0
59	MG	BA	1662	1/1	0.42	0.18	91,91,91,91	0
59	MG	DA	4627	1/1	0.42	0.23	80,80,80,80	0
59	MG	BA	1798	1/1	0.42	0.34	93,93,93,93	0
59	MG	AA	4046	1/1	0.42	0.18	111,111,111,111	0
59	MG	BA	1917	1/1	0.43	0.17	64,64,64,64	0
59	MG	BA	2275	1/1	0.44	0.17	145,145,145,145	0
59	MG	CA	2304	1/1	0.44	0.57	124,124,124,124	0
59	MG	DA	3573	1/1	0.45	0.17	84,84,84,84	0
59	MG	DA	4572	1/1	0.45	1.39	76,76,76,76	0
59	MG	AA	3423	1/1	0.45	0.48	99,99,99,99	0
59	MG	DA	3367	1/1	0.45	0.63	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2122	1/1	0.45	0.26	123,123,123,123	0
59	MG	AA	3376	1/1	0.45	0.31	116,116,116,116	0
59	MG	CB	116	1/1	0.45	0.23	89,89,89,89	0
59	MG	AB	209	1/1	0.45	0.17	104,104,104,104	0
59	MG	AA	3848	1/1	0.46	0.23	90,90,90,90	0
59	MG	BA	2107	1/1	0.46	0.18	83,83,83,83	0
59	MG	CD	130	1/1	0.46	0.23	84,84,84,84	0
59	MG	CA	1703	1/1	0.46	0.19	49,49,49,49	0
59	MG	DA	4826	1/1	0.46	0.34	71,71,71,71	0
59	MG	DA	4995	1/1	0.46	0.07	121,121,121,121	0
59	MG	CA	1946	1/1	0.46	0.45	112,112,112,112	0
59	MG	AQ	205	1/1	0.47	0.48	94,94,94,94	0
59	MG	BD	109	1/1	0.47	0.39	139,139,139,139	0
59	MG	AA	4075	1/1	0.47	0.61	132,132,132,132	0
59	MG	CA	2314	1/1	0.47	0.30	92,92,92,92	0
59	MG	BA	1929	1/1	0.47	0.09	85,85,85,85	0
59	MG	CA	1925	1/1	0.47	0.51	115,115,115,115	0
59	MG	DA	4535	1/1	0.47	0.38	89,89,89,89	0
59	MG	DA	4951	1/1	0.48	0.34	102,102,102,102	0
59	MG	CA	2019	1/1	0.48	0.24	68,68,68,68	0
59	MG	DA	5015	1/1	0.48	0.58	102,102,102,102	0
59	MG	AA	3781	1/1	0.48	0.15	104,104,104,104	0
59	MG	DA	3628	1/1	0.48	0.35	92,92,92,92	0
59	MG	CA	2121	1/1	0.49	0.26	125,125,125,125	0
59	MG	BB	106	1/1	0.49	0.40	116,116,116,116	0
59	MG	AA	3942	1/1	0.49	0.25	85,85,85,85	0
59	MG	CA	2287	1/1	0.49	0.28	119,119,119,119	0
59	MG	CA	1955	1/1	0.49	0.18	58,58,58,58	0
59	MG	AA	3667	1/1	0.50	0.28	79,79,79,79	0
59	MG	BA	2062	1/1	0.50	0.21	75,75,75,75	0
59	MG	AA	3442	1/1	0.50	0.08	128,128,128,128	0
59	MG	AA	3903	1/1	0.50	0.19	95,95,95,95	0
59	MG	CA	2167	1/1	0.50	0.22	97,97,97,97	0
59	MG	CT	202	1/1	0.50	0.23	85,85,85,85	0
59	MG	DA	4871	1/1	0.51	0.32	86,86,86,86	0
59	MG	DB	209	1/1	0.51	0.57	77,77,77,77	0
59	MG	CS	106	1/1	0.51	0.33	77,77,77,77	0
59	MG	CD	126	1/1	0.51	0.20	88,88,88,88	0
59	MG	BA	2149	1/1	0.51	0.17	82,82,82,82	0
59	MG	DA	4783	1/1	0.51	0.38	93,93,93,93	0
59	MG	DA	3678	1/1	0.51	0.49	123,123,123,123	0
59	MG	CA	2295	1/1	0.52	0.19	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BC	116	1/1	0.52	0.20	107,107,107,107	0
59	MG	BA	2033	1/1	0.52	0.15	94,94,94,94	0
59	MG	AA	3904	1/1	0.52	0.18	77,77,77,77	0
59	MG	CA	2236	1/1	0.52	0.29	104,104,104,104	0
59	MG	AA	3852	1/1	0.52	0.42	67,67,67,67	0
59	MG	BA	2215	1/1	0.52	0.24	79,79,79,79	0
59	MG	DA	4115	1/1	0.52	0.35	81,81,81,81	0
59	MG	DA	4927	1/1	0.52	0.21	160,160,160,160	0
59	MG	DA	5058	1/1	0.52	0.43	103,103,103,103	0
59	MG	AA	3657	1/1	0.52	0.36	89,89,89,89	0
59	MG	BA	2043	1/1	0.53	0.17	109,109,109,109	0
59	MG	DA	3530	1/1	0.53	0.25	73,73,73,73	0
59	MG	BQ	101	1/1	0.53	0.34	66,66,66,66	0
59	MG	BA	1858	1/1	0.53	0.34	141,141,141,141	0
59	MG	AA	3361	1/1	0.53	0.19	93,93,93,93	0
59	MG	BA	2198	1/1	0.53	0.76	139,139,139,139	0
59	MG	AA	3717	1/1	0.53	0.42	106,106,106,106	0
59	MG	DA	3418	1/1	0.53	0.23	60,60,60,60	0
59	MG	DA	4593	1/1	0.53	0.28	65,65,65,65	0
59	MG	DA	4007	1/1	0.53	0.14	110,110,110,110	0
59	MG	DA	5042	1/1	0.53	0.39	106,106,106,106	0
59	MG	AA	3113	1/1	0.53	0.21	85,85,85,85	0
59	MG	AA	4137	1/1	0.54	0.26	90,90,90,90	0
59	MG	BA	2213	1/1	0.54	0.47	114,114,114,114	0
59	MG	CA	2269	1/1	0.54	0.17	71,71,71,71	0
59	MG	BA	1985	1/1	0.54	0.16	105,105,105,105	0
59	MG	CA	1750	1/1	0.54	0.20	82,82,82,82	0
59	MG	DA	5067	1/1	0.54	0.32	119,119,119,119	0
59	MG	BA	2099	1/1	0.54	0.13	67,67,67,67	0
59	MG	DA	4973	1/1	0.54	0.51	115,115,115,115	0
59	MG	AA	3828	1/1	0.55	0.34	113,113,113,113	0
59	MG	AA	3303	1/1	0.55	0.24	94,94,94,94	0
59	MG	BA	1710	1/1	0.55	0.34	90,90,90,90	0
59	MG	BA	1788	1/1	0.55	0.18	53,53,53,53	0
59	MG	BA	1644	1/1	0.55	0.39	102,102,102,102	0
59	MG	AA	3819	1/1	0.55	0.26	94,94,94,94	0
59	MG	D0	203	1/1	0.55	0.57	97,97,97,97	0
59	MG	BA	2097	1/1	0.55	0.31	94,94,94,94	0
59	MG	CD	129	1/1	0.56	0.25	95,95,95,95	0
59	MG	DB	269	1/1	0.56	0.44	91,91,91,91	0
59	MG	CD	104	1/1	0.56	0.41	74,74,74,74	0
59	MG	CA	2132	1/1	0.56	0.16	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1840	1/1	0.56	0.14	156,156,156,156	0
59	MG	AA	3567	1/1	0.56	0.18	82,82,82,82	0
59	MG	DA	4905	1/1	0.56	0.27	90,90,90,90	0
59	MG	DA	5077	1/1	0.56	0.47	102,102,102,102	0
59	MG	AA	4019	1/1	0.56	0.39	99,99,99,99	0
59	MG	AA	3868	1/1	0.56	0.19	80,80,80,80	0
59	MG	AA	3888	1/1	0.56	0.17	79,79,79,79	0
59	MG	DA	4716	1/1	0.56	0.10	77,77,77,77	0
59	MG	AA	3872	1/1	0.57	0.36	90,90,90,90	0
59	MG	AA	3869	1/1	0.57	0.27	68,68,68,68	0
59	MG	AA	3894	1/1	0.57	0.32	86,86,86,86	0
59	MG	DA	4952	1/1	0.57	0.39	86,86,86,86	0
59	MG	BA	1956	1/1	0.57	0.59	111,111,111,111	0
59	MG	AA	3408	1/1	0.57	0.29	61,61,61,61	0
59	MG	CA	2076	1/1	0.57	0.26	113,113,113,113	0
59	MG	AA	3059	1/1	0.57	0.23	68,68,68,68	0
59	MG	CA	2250	1/1	0.58	0.27	88,88,88,88	0
59	MG	CA	1694	1/1	0.58	0.17	56,56,56,56	0
59	MG	CA	2284	1/1	0.58	0.15	85,85,85,85	0
59	MG	AA	4009	1/1	0.58	0.17	99,99,99,99	0
59	MG	DA	3598	1/1	0.58	0.47	116,116,116,116	0
59	MG	BA	1899	1/1	0.58	0.14	57,57,57,57	0
59	MG	BA	2258	1/1	0.58	0.16	77,77,77,77	0
59	MG	CA	1848	1/1	0.58	0.28	100,100,100,100	0
59	MG	BA	2170	1/1	0.58	0.38	151,151,151,151	0
59	MG	BA	1804	1/1	0.58	0.09	105,105,105,105	0
59	MG	AA	3305	1/1	0.59	0.18	47,47,47,47	0
59	MG	CA	1717	1/1	0.59	0.21	67,67,67,67	0
59	MG	BA	2052	1/1	0.59	0.14	128,128,128,128	0
59	MG	CD	125	1/1	0.59	0.31	88,88,88,88	0
59	MG	DA	3955	1/1	0.59	0.37	120,120,120,120	0
59	MG	DA	4728	1/1	0.59	0.47	86,86,86,86	0
59	MG	AQ	204	1/1	0.59	0.13	80,80,80,80	0
59	MG	BA	1756	1/1	0.59	0.16	69,69,69,69	0
59	MG	BB	111	1/1	0.59	0.09	90,90,90,90	0
59	MG	DA	4842	1/1	0.59	0.29	65,65,65,65	0
59	MG	DA	4045	1/1	0.59	0.09	134,134,134,134	0
59	MG	DA	4136	1/1	0.59	0.29	47,47,47,47	0
59	MG	BA	2112	1/1	0.59	0.25	101,101,101,101	0
59	MG	AA	3807	1/1	0.59	0.17	87,87,87,87	0
59	MG	BA	2167	1/1	0.59	0.18	101,101,101,101	0
59	MG	CC	105	1/1	0.60	0.24	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3375	1/1	0.60	0.37	64,64,64,64	0
59	MG	CA	1921	1/1	0.60	0.24	52,52,52,52	0
59	MG	DA	3984	1/1	0.60	0.40	117,117,117,117	0
59	MG	AA	4070	1/1	0.60	0.18	60,60,60,60	0
59	MG	BA	2247	1/1	0.60	0.23	82,82,82,82	0
59	MG	CA	1774	1/1	0.60	0.17	78,78,78,78	0
59	MG	BA	2230	1/1	0.60	0.28	111,111,111,111	0
59	MG	CA	1676	1/1	0.60	0.22	89,89,89,89	0
59	MG	BA	2137	1/1	0.60	0.12	119,119,119,119	0
59	MG	DF	320	1/1	0.60	0.24	58,58,58,58	0
59	MG	DA	4779	1/1	0.60	0.52	92,92,92,92	0
59	MG	DA	4672	1/1	0.60	0.36	95,95,95,95	0
59	MG	DA	4490	1/1	0.60	0.07	125,125,125,125	0
59	MG	DA	4949	1/1	0.60	0.15	71,71,71,71	0
59	MG	DA	4321	1/1	0.60	0.28	70,70,70,70	0
59	MG	DA	3535	1/1	0.60	0.24	69,69,69,69	0
59	MG	BA	1931	1/1	0.60	0.22	68,68,68,68	0
59	MG	CB	108	1/1	0.61	0.19	87,87,87,87	0
59	MG	BD	102	1/1	0.61	0.24	84,84,84,84	0
59	MG	AA	3998	1/1	0.61	0.23	86,86,86,86	0
59	MG	DA	3904	1/1	0.61	0.14	105,105,105,105	0
59	MG	AA	4107	1/1	0.61	0.49	98,98,98,98	0
59	MG	AA	3570	1/1	0.61	0.22	78,78,78,78	0
59	MG	CA	1994	1/1	0.61	0.30	94,94,94,94	0
59	MG	CA	2114	1/1	0.61	0.34	111,111,111,111	0
59	MG	DA	5054	1/1	0.61	0.71	67,67,67,67	0
59	MG	AB	233	1/1	0.61	0.22	86,86,86,86	0
59	MG	BA	1663	1/1	0.61	0.16	94,94,94,94	0
59	MG	AB	226	1/1	0.61	0.14	88,88,88,88	0
59	MG	BA	1817	1/1	0.61	0.15	63,63,63,63	0
59	MG	AA	3898	1/1	0.61	0.45	112,112,112,112	0
59	MG	DA	4803	1/1	0.61	0.29	82,82,82,82	0
59	MG	AA	3591	1/1	0.61	0.22	106,106,106,106	0
59	MG	AA	3922	1/1	0.61	0.46	65,65,65,65	0
59	MG	AA	4041	1/1	0.61	0.28	101,101,101,101	0
59	MG	BA	2115	1/1	0.61	0.27	118,118,118,118	0
59	MG	CA	2290	1/1	0.61	0.26	103,103,103,103	0
59	MG	BA	1782	1/1	0.61	0.55	100,100,100,100	0
59	MG	DB	276	1/1	0.62	0.21	66,66,66,66	0
59	MG	CB	107	1/1	0.62	0.24	106,106,106,106	0
59	MG	AA	3403	1/1	0.62	0.23	60,60,60,60	0
59	MG	CA	2263	1/1	0.62	0.39	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2138	1/1	0.62	0.18	74,74,74,74	0
59	MG	AA	3595	1/1	0.62	0.36	103,103,103,103	0
59	MG	DA	4681	1/1	0.62	0.43	118,118,118,118	0
59	MG	DA	4701	1/1	0.62	0.30	64,64,64,64	0
59	MG	BA	2036	1/1	0.62	0.27	86,86,86,86	0
59	MG	BA	1772	1/1	0.62	0.40	75,75,75,75	0
59	MG	DU	211	1/1	0.62	0.26	116,116,116,116	0
59	MG	CA	2253	1/1	0.62	0.30	85,85,85,85	0
59	MG	BA	1696	1/1	0.62	0.17	73,73,73,73	0
59	MG	AB	229	1/1	0.62	0.14	67,67,67,67	0
59	MG	BA	2037	1/1	0.62	0.12	132,132,132,132	0
59	MG	BA	2010	1/1	0.62	0.17	61,61,61,61	0
59	MG	DA	4700	1/1	0.63	0.26	75,75,75,75	0
59	MG	DA	3793	1/1	0.63	0.27	81,81,81,81	0
59	MG	BA	2243	1/1	0.63	0.55	114,114,114,114	0
59	MG	AA	4128	1/1	0.63	0.18	116,116,116,116	0
59	MG	DA	3773	1/1	0.63	0.23	70,70,70,70	0
59	MG	BF	301	1/1	0.63	0.17	104,104,104,104	0
59	MG	AA	3685	1/1	0.63	0.28	65,65,65,65	0
59	MG	AA	3218	1/1	0.63	0.24	65,65,65,65	0
59	MG	CD	118	1/1	0.63	0.50	97,97,97,97	0
59	MG	AA	3565	1/1	0.63	0.36	89,89,89,89	0
59	MG	AA	3118	1/1	0.63	0.13	52,52,52,52	0
59	MG	BA	2212	1/1	0.63	0.21	91,91,91,91	0
59	MG	CK	207	1/1	0.63	0.30	80,80,80,80	0
59	MG	DA	4082	1/1	0.63	0.56	75,75,75,75	0
59	MG	CE	305	1/1	0.63	0.27	95,95,95,95	0
59	MG	AA	3824	1/1	0.64	0.21	94,94,94,94	0
59	MG	CA	2051	1/1	0.64	0.32	89,89,89,89	0
59	MG	DA	4780	1/1	0.64	0.17	62,62,62,62	0
59	MG	BA	1988	1/1	0.64	0.40	95,95,95,95	0
59	MG	CA	2057	1/1	0.64	0.15	111,111,111,111	0
59	MG	CT	201	1/1	0.64	0.23	99,99,99,99	0
59	MG	CA	1684	1/1	0.64	0.26	103,103,103,103	0
60	ZN	A4	101	1/1	0.64	0.59	200,200,200,200	0
59	MG	AA	3174	1/1	0.64	0.26	63,63,63,63	0
59	MG	DA	4809	1/1	0.64	0.47	59,59,59,59	0
59	MG	DA	4746	1/1	0.64	0.18	98,98,98,98	0
59	MG	CA	1799	1/1	0.64	0.19	85,85,85,85	0
59	MG	BA	2042	1/1	0.64	0.09	95,95,95,95	0
59	MG	DA	4657	1/1	0.64	0.24	58,58,58,58	0
59	MG	AA	3160	1/1	0.64	0.21	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3447	1/1	0.64	0.17	71,71,71,71	0
59	MG	DA	4338	1/1	0.64	0.46	80,80,80,80	0
59	MG	AA	3340	1/1	0.64	0.15	90,90,90,90	0
59	MG	AA	4150	1/1	0.64	0.22	82,82,82,82	0
59	MG	BE	301	1/1	0.65	0.15	63,63,63,63	0
59	MG	AA	3290	1/1	0.65	0.20	78,78,78,78	0
59	MG	BA	2029	1/1	0.65	0.16	76,76,76,76	0
59	MG	AA	4044	1/1	0.65	0.42	93,93,93,93	0
59	MG	CA	1700	1/1	0.65	0.18	39,39,39,39	0
59	MG	CA	2065	1/1	0.65	0.45	87,87,87,87	0
59	MG	DA	3503	1/1	0.65	0.20	71,71,71,71	0
59	MG	BA	1632	1/1	0.65	0.33	68,68,68,68	0
59	MG	DA	4492	1/1	0.65	0.34	66,66,66,66	0
59	MG	DA	3283	1/1	0.65	0.36	87,87,87,87	0
59	MG	AA	3254	1/1	0.65	0.13	76,76,76,76	0
59	MG	CB	115	1/1	0.65	0.39	97,97,97,97	0
59	MG	AA	3878	1/1	0.65	0.21	84,84,84,84	0
59	MG	DB	261	1/1	0.65	0.35	91,91,91,91	0
59	MG	AA	3908	1/1	0.65	0.66	68,68,68,68	0
59	MG	DA	4829	1/1	0.65	0.29	106,106,106,106	0
59	MG	DA	3575	1/1	0.65	0.51	112,112,112,112	0
59	MG	AA	3753	1/1	0.65	0.17	91,91,91,91	0
59	MG	AB	225	1/1	0.65	0.16	125,125,125,125	0
59	MG	DV	305	1/1	0.65	0.35	86,86,86,86	0
59	MG	AA	4099	1/1	0.65	0.30	96,96,96,96	0
59	MG	BL	201	1/1	0.66	0.20	86,86,86,86	0
59	MG	DS	207	1/1	0.66	0.35	109,109,109,109	0
59	MG	BA	1906	1/1	0.66	0.22	107,107,107,107	0
59	MG	DA	5041	1/1	0.66	0.39	57,57,57,57	0
59	MG	AA	3324	1/1	0.66	0.17	43,43,43,43	0
59	MG	CA	2002	1/1	0.66	0.09	112,112,112,112	0
59	MG	DA	3490	1/1	0.66	0.36	64,64,64,64	0
59	MG	AA	3668	1/1	0.66	0.23	71,71,71,71	0
59	MG	CA	1960	1/1	0.66	0.11	91,91,91,91	0
59	MG	AA	4004	1/1	0.66	0.28	78,78,78,78	0
59	MG	DA	3581	1/1	0.66	0.32	91,91,91,91	0
59	MG	CA	2103	1/1	0.66	0.27	111,111,111,111	0
59	MG	DA	4933	1/1	0.66	0.32	64,64,64,64	0
59	MG	CA	2318	1/1	0.66	0.18	112,112,112,112	0
59	MG	CG	312	1/1	0.66	0.29	104,104,104,104	0
59	MG	DA	4735	1/1	0.66	0.37	88,88,88,88	0
59	MG	AA	3975	1/1	0.66	0.21	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2124	1/1	0.66	0.18	72,72,72,72	0
59	MG	AA	3508	1/1	0.66	0.21	61,61,61,61	0
59	MG	DA	3649	1/1	0.66	0.18	71,71,71,71	0
59	MG	AA	3554	1/1	0.66	0.14	86,86,86,86	0
59	MG	DA	4201	1/1	0.66	0.14	57,57,57,57	0
59	MG	CA	1843	1/1	0.67	0.13	99,99,99,99	0
59	MG	CA	2084	1/1	0.67	0.12	77,77,77,77	0
59	MG	AA	3435	1/1	0.67	0.14	69,69,69,69	0
59	MG	DA	4839	1/1	0.67	0.28	75,75,75,75	0
59	MG	CA	1980	1/1	0.67	0.38	83,83,83,83	0
59	MG	DA	4031	1/1	0.67	0.33	79,79,79,79	0
59	MG	BA	1785	1/1	0.67	0.32	67,67,67,67	0
59	MG	D0	211	1/1	0.67	0.33	89,89,89,89	0
59	MG	CA	1632	1/1	0.67	0.36	65,65,65,65	0
59	MG	AA	3434	1/1	0.67	0.12	65,65,65,65	0
59	MG	AU	204	1/1	0.67	0.29	87,87,87,87	0
59	MG	DB	252	1/1	0.67	0.29	101,101,101,101	0
59	MG	BA	2040	1/1	0.67	0.34	93,93,93,93	0
59	MG	CA	1840	1/1	0.67	0.19	84,84,84,84	0
59	MG	BG	307	1/1	0.67	0.17	85,85,85,85	0
59	MG	CA	1825	1/1	0.67	0.14	90,90,90,90	0
59	MG	DA	4448	1/1	0.67	0.23	95,95,95,95	0
59	MG	DA	4668	1/1	0.67	0.56	72,72,72,72	0
59	MG	DA	4911	1/1	0.67	0.24	85,85,85,85	0
59	MG	DA	5050	1/1	0.67	0.33	83,83,83,83	0
59	MG	BA	2172	1/1	0.67	0.32	75,75,75,75	0
59	MG	AA	4073	1/1	0.67	0.11	84,84,84,84	0
59	MG	DA	3832	1/1	0.67	0.34	55,55,55,55	0
59	MG	DA	4815	1/1	0.68	0.25	53,53,53,53	0
59	MG	BA	1832	1/1	0.68	0.21	89,89,89,89	0
59	MG	AA	3719	1/1	0.68	0.49	97,97,97,97	0
59	MG	CA	2105	1/1	0.68	0.43	94,94,94,94	0
59	MG	BA	2184	1/1	0.68	0.17	101,101,101,101	0
59	MG	AA	3491	1/1	0.68	0.19	68,68,68,68	0
59	MG	BA	2153	1/1	0.68	0.11	100,100,100,100	0
59	MG	AA	3433	1/1	0.68	0.24	64,64,64,64	0
59	MG	CA	2126	1/1	0.68	0.12	59,59,59,59	0
59	MG	BA	2070	1/1	0.68	0.28	89,89,89,89	0
59	MG	DA	4810	1/1	0.68	0.26	62,62,62,62	0
59	MG	AA	4106	1/1	0.68	0.28	88,88,88,88	0
59	MG	DA	4317	1/1	0.68	0.21	61,61,61,61	0
59	MG	AA	4060	1/1	0.68	0.13	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AS	203	1/1	0.68	0.46	72,72,72,72	0
59	MG	DA	3741	1/1	0.68	0.42	76,76,76,76	0
59	MG	BA	2250	1/1	0.68	0.21	90,90,90,90	0
59	MG	DA	3847	1/1	0.68	0.26	81,81,81,81	0
59	MG	CA	2230	1/1	0.68	0.14	92,92,92,92	0
59	MG	BA	1995	1/1	0.68	0.17	84,84,84,84	0
59	MG	AA	3124	1/1	0.68	0.35	71,71,71,71	0
59	MG	AA	3923	1/1	0.68	0.15	107,107,107,107	0
59	MG	DA	4128	1/1	0.68	0.34	85,85,85,85	0
59	MG	DA	4795	1/1	0.68	0.25	66,66,66,66	0
59	MG	DA	4929	1/1	0.68	0.43	52,52,52,52	0
59	MG	CA	1658	1/1	0.68	0.21	48,48,48,48	0
59	MG	DA	3258	1/1	0.68	0.17	83,83,83,83	0
59	MG	D0	209	1/1	0.68	0.27	91,91,91,91	0
59	MG	AA	3552	1/1	0.68	0.25	90,90,90,90	0
59	MG	CK	208	1/1	0.68	0.21	69,69,69,69	0
59	MG	AA	3325	1/1	0.69	0.22	50,50,50,50	0
59	MG	AA	3767	1/1	0.69	0.24	78,78,78,78	0
59	MG	BA	1913	1/1	0.69	0.16	73,73,73,73	0
59	MG	AA	3441	1/1	0.69	0.17	102,102,102,102	0
59	MG	BA	2161	1/1	0.69	0.19	114,114,114,114	0
59	MG	BA	2018	1/1	0.69	0.24	84,84,84,84	0
59	MG	DA	4656	1/1	0.69	0.29	71,71,71,71	0
59	MG	DA	4302	1/1	0.69	0.10	102,102,102,102	0
59	MG	BA	1639	1/1	0.69	0.27	72,72,72,72	0
59	MG	AA	3122	1/1	0.69	0.18	73,73,73,73	0
59	MG	DB	244	1/1	0.69	0.34	68,68,68,68	0
59	MG	BA	1673	1/1	0.69	0.20	73,73,73,73	0
59	MG	CE	302	1/1	0.69	0.30	98,98,98,98	0
59	MG	DB	210	1/1	0.69	0.23	89,89,89,89	0
59	MG	DA	4431	1/1	0.69	0.20	87,87,87,87	0
59	MG	AA	3821	1/1	0.69	0.17	69,69,69,69	0
59	MG	DB	263	1/1	0.69	0.24	80,80,80,80	0
59	MG	BS	101	1/1	0.69	0.13	76,76,76,76	0
59	MG	BS	106	1/1	0.69	0.33	100,100,100,100	0
59	MG	BW	207	1/1	0.69	0.16	85,85,85,85	0
59	MG	DA	4573	1/1	0.69	0.34	102,102,102,102	0
59	MG	AA	3744	1/1	0.69	0.20	64,64,64,64	0
59	MG	DA	4753	1/1	0.69	0.31	68,68,68,68	0
59	MG	DA	4461	1/1	0.69	0.37	88,88,88,88	0
59	MG	DA	4948	1/1	0.69	0.51	126,126,126,126	0
59	MG	DA	4534	1/1	0.69	0.22	118,118,118,118	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	D6	103	1/1	0.69	0.43	63,63,63,63	0
59	MG	DY	202	1/1	0.69	0.18	91,91,91,91	0
59	MG	AA	4051	1/1	0.69	0.29	106,106,106,106	0
59	MG	BA	2122	1/1	0.69	0.19	107,107,107,107	0
59	MG	BA	1722	1/1	0.69	0.29	54,54,54,54	0
59	MG	CA	2308	1/1	0.69	0.36	107,107,107,107	0
59	MG	DA	4496	1/1	0.69	0.37	81,81,81,81	0
59	MG	AA	3438	1/1	0.69	0.08	99,99,99,99	0
59	MG	BA	2265	1/1	0.69	0.33	111,111,111,111	0
59	MG	BA	2067	1/1	0.69	0.17	95,95,95,95	0
59	MG	BA	1698	1/1	0.69	0.58	104,104,104,104	0
59	MG	AB	212	1/1	0.69	0.11	83,83,83,83	0
59	MG	CA	2303	1/1	0.69	0.26	102,102,102,102	0
59	MG	CA	1754	1/1	0.69	0.35	80,80,80,80	0
59	MG	BL	202	1/1	0.69	0.14	64,64,64,64	0
59	MG	DA	3205	1/1	0.69	0.30	65,65,65,65	0
59	MG	DA	4928	1/1	0.69	0.17	78,78,78,78	0
59	MG	DA	3582	1/1	0.69	0.25	63,63,63,63	0
59	MG	AA	3338	1/1	0.70	0.16	72,72,72,72	0
59	MG	DA	3621	1/1	0.70	0.19	51,51,51,51	0
59	MG	BA	2244	1/1	0.70	0.41	113,113,113,113	0
59	MG	AA	3948	1/1	0.70	0.16	72,72,72,72	0
59	MG	CA	2099	1/1	0.70	0.11	94,94,94,94	0
59	MG	DA	3403	1/1	0.70	0.37	89,89,89,89	0
59	MG	BF	302	1/1	0.70	0.24	105,105,105,105	0
59	MG	AA	3678	1/1	0.70	0.12	49,49,49,49	0
59	MG	CA	1920	1/1	0.70	0.32	85,85,85,85	0
59	MG	DA	3370	1/1	0.70	0.28	73,73,73,73	0
59	MG	DA	4485	1/1	0.70	0.07	138,138,138,138	0
59	MG	BA	1665	1/1	0.70	0.29	61,61,61,61	0
59	MG	CW	201	1/1	0.70	0.41	89,89,89,89	0
59	MG	BA	1620	1/1	0.70	0.25	50,50,50,50	0
59	MG	BA	1769	1/1	0.70	0.29	87,87,87,87	0
59	MG	BA	1859	1/1	0.70	0.51	146,146,146,146	0
59	MG	DA	3622	1/1	0.70	0.28	69,69,69,69	0
59	MG	DA	5005	1/1	0.70	0.32	75,75,75,75	0
59	MG	DB	214	1/1	0.70	0.27	76,76,76,76	0
59	MG	BG	306	1/1	0.70	0.22	108,108,108,108	0
59	MG	DA	5065	1/1	0.70	0.39	89,89,89,89	0
59	MG	DA	5011	1/1	0.70	0.31	76,76,76,76	0
59	MG	DA	4462	1/1	0.70	0.20	74,74,74,74	0
59	MG	DA	4417	1/1	0.70	0.30	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1915	1/1	0.70	0.33	69,69,69,69	0
59	MG	DA	4885	1/1	0.70	0.37	92,92,92,92	0
59	MG	AA	4112	1/1	0.70	0.39	89,89,89,89	0
59	MG	BA	2169	1/1	0.70	0.18	98,98,98,98	0
59	MG	BA	2267	1/1	0.70	0.26	91,91,91,91	0
59	MG	DS	201	1/1	0.70	0.32	88,88,88,88	0
59	MG	DA	4916	1/1	0.71	0.16	88,88,88,88	0
59	MG	AA	3161	1/1	0.71	0.18	63,63,63,63	0
59	MG	DA	4838	1/1	0.71	0.34	67,67,67,67	0
59	MG	AA	3333	1/1	0.71	0.52	59,59,59,59	0
59	MG	CA	2033	1/1	0.71	0.14	73,73,73,73	0
59	MG	AA	3480	1/1	0.71	0.25	70,70,70,70	0
59	MG	DA	3120	1/1	0.71	0.23	57,57,57,57	0
59	MG	DB	226	1/1	0.71	0.20	40,40,40,40	0
59	MG	CA	2077	1/1	0.71	0.14	96,96,96,96	0
59	MG	DA	5046	1/1	0.71	0.20	77,77,77,77	0
59	MG	AA	3920	1/1	0.71	0.17	85,85,85,85	0
59	MG	AA	3623	1/1	0.71	0.23	50,50,50,50	0
59	MG	AA	3564	1/1	0.71	0.24	67,67,67,67	0
59	MG	CG	303	1/1	0.71	0.11	73,73,73,73	0
59	MG	DA	4971	1/1	0.71	0.27	79,79,79,79	0
59	MG	DB	274	1/1	0.71	0.21	79,79,79,79	0
59	MG	DA	3795	1/1	0.71	0.34	88,88,88,88	0
59	MG	BA	2183	1/1	0.71	0.20	107,107,107,107	0
59	MG	CD	101	1/1	0.71	0.20	85,85,85,85	0
59	MG	AA	3705	1/1	0.71	0.28	87,87,87,87	0
59	MG	AB	223	1/1	0.71	0.17	112,112,112,112	0
59	MG	DA	3326	1/1	0.71	0.20	63,63,63,63	0
59	MG	AA	3995	1/1	0.71	0.33	103,103,103,103	0
59	MG	BD	125	1/1	0.71	0.30	105,105,105,105	0
59	MG	AA	3346	1/1	0.71	0.27	58,58,58,58	0
59	MG	DA	3769	1/1	0.71	0.35	72,72,72,72	0
59	MG	BA	2139	1/1	0.71	0.11	82,82,82,82	0
59	MG	DA	3658	1/1	0.71	0.26	60,60,60,60	0
59	MG	DA	3314	1/1	0.71	0.13	83,83,83,83	0
59	MG	CG	302	1/1	0.71	0.14	67,67,67,67	0
59	MG	DA	3206	1/1	0.71	0.30	76,76,76,76	0
59	MG	BQ	102	1/1	0.71	0.10	63,63,63,63	0
59	MG	DA	4723	1/1	0.71	0.17	71,71,71,71	0
59	MG	AA	3633	1/1	0.71	0.21	41,41,41,41	0
59	MG	BA	2064	1/1	0.71	0.10	90,90,90,90	0
59	MG	CA	1841	1/1	0.71	0.11	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AK	203	1/1	0.71	0.16	86,86,86,86	0
59	MG	BA	1968	1/1	0.71	0.50	96,96,96,96	0
59	MG	AA	3116	1/1	0.71	0.44	85,85,85,85	0
59	MG	DM	202	1/1	0.71	0.43	48,48,48,48	0
59	MG	DA	4488	1/1	0.71	0.55	89,89,89,89	0
59	MG	AA	4054	1/1	0.71	0.13	74,74,74,74	0
59	MG	DA	3113	1/1	0.71	0.28	73,73,73,73	0
59	MG	AA	3419	1/1	0.71	0.38	82,82,82,82	0
59	MG	DA	3262	1/1	0.71	0.47	72,72,72,72	0
59	MG	CA	2097	1/1	0.72	0.16	82,82,82,82	0
59	MG	DA	4769	1/1	0.72	0.24	68,68,68,68	0
59	MG	BA	2205	1/1	0.72	0.17	109,109,109,109	0
59	MG	DA	4307	1/1	0.72	0.30	57,57,57,57	0
59	MG	CA	1893	1/1	0.72	0.12	54,54,54,54	0
59	MG	AA	3692	1/1	0.72	0.26	85,85,85,85	0
59	MG	DA	4883	1/1	0.72	0.34	96,96,96,96	0
59	MG	DA	3183	1/1	0.72	0.51	97,97,97,97	0
59	MG	DA	3274	1/1	0.72	0.41	67,67,67,67	0
59	MG	AA	3542	1/1	0.72	0.19	54,54,54,54	0
59	MG	DA	3307	1/1	0.72	0.20	59,59,59,59	0
59	MG	AA	4007	1/1	0.72	0.30	94,94,94,94	0
59	MG	CA	2010	1/1	0.72	0.55	104,104,104,104	0
59	MG	CA	1962	1/1	0.72	0.19	76,76,76,76	0
59	MG	AZ	101	1/1	0.72	0.23	83,83,83,83	0
59	MG	AA	3593	1/1	0.72	0.20	80,80,80,80	0
59	MG	DA	3983	1/1	0.72	0.22	57,57,57,57	0
59	MG	CB	105	1/1	0.72	0.31	76,76,76,76	0
59	MG	DA	3854	1/1	0.72	0.15	72,72,72,72	0
59	MG	BM	201	1/1	0.72	0.23	64,64,64,64	0
59	MG	CA	1828	1/1	0.72	0.35	100,100,100,100	0
59	MG	AA	3675	1/1	0.72	0.15	71,71,71,71	0
59	MG	DU	215	1/1	0.72	0.44	76,76,76,76	0
59	MG	BA	2234	1/1	0.72	0.25	108,108,108,108	0
59	MG	AA	3990	1/1	0.72	0.56	134,134,134,134	0
59	MG	BA	1635	1/1	0.72	0.35	102,102,102,102	0
59	MG	AA	4059	1/1	0.72	0.17	54,54,54,54	0
59	MG	BA	1816	1/1	0.72	0.20	71,71,71,71	0
59	MG	AA	4155	1/1	0.72	0.23	80,80,80,80	0
59	MG	AA	4153	1/1	0.72	0.29	109,109,109,109	0
59	MG	DA	4230	1/1	0.72	0.31	41,41,41,41	0
59	MG	DA	4773	1/1	0.72	0.31	81,81,81,81	0
59	MG	CA	1896	1/1	0.72	0.16	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1757	1/1	0.72	0.27	39,39,39,39	0
59	MG	D1	206	1/1	0.72	0.28	68,68,68,68	0
59	MG	CR	101	1/1	0.72	0.19	89,89,89,89	0
59	MG	BA	1867	1/1	0.72	0.32	121,121,121,121	0
59	MG	AA	4131	1/1	0.72	0.18	99,99,99,99	0
59	MG	CA	2214	1/1	0.72	0.16	104,104,104,104	0
59	MG	DA	4784	1/1	0.72	0.16	74,74,74,74	0
59	MG	CA	2217	1/1	0.72	0.32	93,93,93,93	0
59	MG	AA	3833	1/1	0.72	0.19	80,80,80,80	0
59	MG	AA	3915	1/1	0.73	0.32	105,105,105,105	0
59	MG	DA	4872	1/1	0.73	0.58	106,106,106,106	0
59	MG	BA	1789	1/1	0.73	0.33	105,105,105,105	0
59	MG	DA	4277	1/1	0.73	0.34	66,66,66,66	0
59	MG	BA	2262	1/1	0.73	0.14	90,90,90,90	0
59	MG	DA	4904	1/1	0.73	0.31	71,71,71,71	0
59	MG	DA	4149	1/1	0.73	0.30	70,70,70,70	0
59	MG	BA	2264	1/1	0.73	0.14	79,79,79,79	0
59	MG	BA	1629	1/1	0.73	0.27	76,76,76,76	0
59	MG	DA	4053	1/1	0.73	0.23	75,75,75,75	0
59	MG	AA	3265	1/1	0.73	0.40	71,71,71,71	0
59	MG	CD	123	1/1	0.73	0.25	120,120,120,120	0
59	MG	CA	2307	1/1	0.73	0.15	76,76,76,76	0
59	MG	CA	2224	1/1	0.73	0.17	83,83,83,83	0
59	MG	AA	4116	1/1	0.73	0.26	98,98,98,98	0
59	MG	BX	101	1/1	0.73	0.26	74,74,74,74	0
59	MG	BS	103	1/1	0.73	0.20	83,83,83,83	0
59	MG	DA	4366	1/1	0.73	0.22	62,62,62,62	0
59	MG	DA	4892	1/1	0.73	1.12	133,133,133,133	0
59	MG	DA	4648	1/1	0.73	0.27	61,61,61,61	0
59	MG	CA	2123	1/1	0.73	0.30	100,100,100,100	0
59	MG	AA	3883	1/1	0.73	0.32	100,100,100,100	0
59	MG	CA	1937	1/1	0.73	0.15	73,73,73,73	0
59	MG	AA	4000	1/1	0.73	0.24	91,91,91,91	0
59	MG	CA	1892	1/1	0.73	0.24	68,68,68,68	0
59	MG	CK	209	1/1	0.73	0.20	60,60,60,60	0
59	MG	BA	1612	1/1	0.73	0.49	90,90,90,90	0
59	MG	DA	5032	1/1	0.73	0.27	82,82,82,82	0
59	MG	DA	4526	1/1	0.73	0.27	53,53,53,53	0
59	MG	CA	2291	1/1	0.73	0.16	80,80,80,80	0
59	MG	CD	128	1/1	0.73	0.20	66,66,66,66	0
59	MG	BA	2003	1/1	0.73	0.17	98,98,98,98	0
59	MG	DA	4055	1/1	0.73	0.20	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3577	1/1	0.73	0.33	101,101,101,101	0
59	MG	CA	1858	1/1	0.73	0.14	73,73,73,73	0
59	MG	AA	4151	1/1	0.73	0.13	108,108,108,108	0
59	MG	BW	205	1/1	0.73	0.18	91,91,91,91	0
59	MG	DA	4980	1/1	0.73	0.48	79,79,79,79	0
59	MG	DA	4357	1/1	0.73	0.29	53,53,53,53	0
59	MG	AA	3224	1/1	0.73	0.18	63,63,63,63	0
59	MG	CA	1890	1/1	0.73	0.09	69,69,69,69	0
59	MG	AB	219	1/1	0.73	0.15	75,75,75,75	0
59	MG	AR	201	1/1	0.73	0.11	71,71,71,71	0
59	MG	DA	4364	1/1	0.73	0.12	90,90,90,90	0
59	MG	DA	4474	1/1	0.73	0.62	54,54,54,54	0
59	MG	AA	3342	1/1	0.73	0.15	63,63,63,63	0
59	MG	AA	4036	1/1	0.73	0.10	68,68,68,68	0
59	MG	A8	102	1/1	0.74	0.20	68,68,68,68	0
59	MG	BA	2206	1/1	0.74	0.16	106,106,106,106	0
59	MG	CA	1949	1/1	0.74	0.14	60,60,60,60	0
59	MG	BA	2220	1/1	0.74	0.38	86,86,86,86	0
59	MG	DA	3377	1/1	0.74	0.33	83,83,83,83	0
59	MG	AA	4087	1/1	0.74	0.22	89,89,89,89	0
59	MG	CA	1855	1/1	0.74	0.10	79,79,79,79	0
59	MG	DA	3278	1/1	0.74	0.31	62,62,62,62	0
59	MG	CA	2117	1/1	0.74	0.34	84,84,84,84	0
59	MG	AA	3825	1/1	0.74	0.29	81,81,81,81	0
59	MG	BA	1770	1/1	0.74	0.20	67,67,67,67	0
59	MG	BD	122	1/1	0.74	0.38	100,100,100,100	0
59	MG	AA	3397	1/1	0.74	0.17	56,56,56,56	0
59	MG	BA	1936	1/1	0.74	0.25	80,80,80,80	0
59	MG	DA	4391	1/1	0.74	0.19	52,52,52,52	0
59	MG	DA	4413	1/1	0.74	0.23	65,65,65,65	0
59	MG	AA	3382	1/1	0.74	0.21	83,83,83,83	0
59	MG	BA	2276	1/1	0.74	0.41	128,128,128,128	0
59	MG	DA	4381	1/1	0.74	0.25	88,88,88,88	0
59	MG	DB	211	1/1	0.74	0.41	90,90,90,90	0
59	MG	CD	108	1/1	0.74	0.42	97,97,97,97	0
59	MG	CA	1634	1/1	0.74	0.24	91,91,91,91	0
59	MG	AO	206	1/1	0.74	0.57	53,53,53,53	0
59	MG	DA	4520	1/1	0.74	0.23	84,84,84,84	0
59	MG	DA	3859	1/1	0.74	0.31	92,92,92,92	0
59	MG	CA	1714	1/1	0.74	0.31	66,66,66,66	0
59	MG	AB	218	1/1	0.74	0.18	81,81,81,81	0
59	MG	AA	3966	1/1	0.74	0.40	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2063	1/1	0.74	0.17	78,78,78,78	0
59	MG	CA	2312	1/1	0.74	0.25	78,78,78,78	0
59	MG	CA	2166	1/1	0.74	0.31	91,91,91,91	0
59	MG	DA	4879	1/1	0.74	0.53	62,62,62,62	0
59	MG	DB	219	1/1	0.74	0.31	70,70,70,70	0
59	MG	AA	4079	1/1	0.74	0.21	92,92,92,92	0
59	MG	BA	2182	1/1	0.74	0.17	110,110,110,110	0
59	MG	DA	4782	1/1	0.74	0.23	83,83,83,83	0
59	MG	AA	4014	1/1	0.74	0.17	84,84,84,84	0
59	MG	BA	2110	1/1	0.74	0.31	91,91,91,91	0
59	MG	BA	2022	1/1	0.74	0.10	104,104,104,104	0
59	MG	DA	4574	1/1	0.74	0.31	73,73,73,73	0
59	MG	DA	3813	1/1	0.74	0.14	96,96,96,96	0
59	MG	BA	2164	1/1	0.74	0.15	78,78,78,78	0
59	MG	BG	302	1/1	0.74	0.13	63,63,63,63	0
59	MG	AA	3946	1/1	0.74	0.07	98,98,98,98	0
59	MG	AA	3817	1/1	0.74	0.17	66,66,66,66	0
59	MG	BD	107	1/1	0.74	0.13	71,71,71,71	0
59	MG	DA	4536	1/1	0.74	0.31	64,64,64,64	0
59	MG	DA	4545	1/1	0.74	0.73	90,90,90,90	0
59	MG	DA	4512	1/1	0.74	0.67	100,100,100,100	0
59	MG	AA	3563	1/1	0.74	0.23	67,67,67,67	0
59	MG	AA	3964	1/1	0.74	0.37	111,111,111,111	0
59	MG	BA	2081	1/1	0.74	0.28	69,69,69,69	0
59	MG	AA	3490	1/1	0.75	0.15	102,102,102,102	0
59	MG	DA	3487	1/1	0.75	0.21	62,62,62,62	0
59	MG	DA	3674	1/1	0.75	0.16	62,62,62,62	0
59	MG	AA	3984	1/1	0.75	0.18	98,98,98,98	0
59	MG	AA	4111	1/1	0.75	0.15	108,108,108,108	0
59	MG	DA	4154	1/1	0.75	0.36	74,74,74,74	0
59	MG	AA	3710	1/1	0.75	0.21	76,76,76,76	0
59	MG	BA	1659	1/1	0.75	0.11	71,71,71,71	0
59	MG	BC	112	1/1	0.75	0.16	57,57,57,57	0
59	MG	AA	3707	1/1	0.75	0.12	63,63,63,63	0
59	MG	CC	113	1/1	0.75	0.38	85,85,85,85	0
59	MG	CD	110	1/1	0.75	0.10	77,77,77,77	0
59	MG	BA	1926	1/1	0.75	0.11	53,53,53,53	0
59	MG	AA	3060	1/1	0.75	0.12	76,76,76,76	0
59	MG	BA	2077	1/1	0.75	0.16	74,74,74,74	0
59	MG	BA	1873	1/1	0.75	0.19	109,109,109,109	0
59	MG	CA	2137	1/1	0.75	0.19	88,88,88,88	0
59	MG	CA	1854	1/1	0.75	0.18	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	5066	1/1	0.75	0.34	61,61,61,61	0
59	MG	AA	3756	1/1	0.75	0.20	65,65,65,65	0
59	MG	BA	2014	1/1	0.75	0.14	64,64,64,64	0
59	MG	AA	3718	1/1	0.75	0.32	84,84,84,84	0
59	MG	DA	4814	1/1	0.75	0.36	114,114,114,114	0
59	MG	AA	3154	1/1	0.75	0.19	59,59,59,59	0
59	MG	DA	5052	1/1	0.75	0.23	49,49,49,49	0
59	MG	CA	2192	1/1	0.75	0.13	60,60,60,60	0
59	MG	AA	3037	1/1	0.75	0.36	107,107,107,107	0
59	MG	DA	4915	1/1	0.75	0.40	64,64,64,64	0
59	MG	DA	4297	1/1	0.75	0.38	100,100,100,100	0
59	MG	CA	2030	1/1	0.75	0.22	72,72,72,72	0
59	MG	CA	2129	1/1	0.75	0.19	75,75,75,75	0
59	MG	BA	1815	1/1	0.75	0.22	119,119,119,119	0
59	MG	DA	4190	1/1	0.75	0.08	70,70,70,70	0
59	MG	DV	302	1/1	0.75	0.15	87,87,87,87	0
59	MG	DA	3906	1/1	0.75	0.16	90,90,90,90	0
59	MG	DA	4793	1/1	0.75	0.27	86,86,86,86	0
59	MG	BA	2119	1/1	0.75	0.16	67,67,67,67	0
59	MG	AA	3658	1/1	0.75	0.23	64,64,64,64	0
59	MG	AA	3698	1/1	0.75	0.18	64,64,64,64	0
59	MG	DA	4483	1/1	0.75	0.23	64,64,64,64	0
59	MG	CA	1834	1/1	0.75	0.09	67,67,67,67	0
59	MG	AA	3897	1/1	0.75	0.20	103,103,103,103	0
59	MG	CA	1894	1/1	0.75	0.23	60,60,60,60	0
59	MG	DA	3562	1/1	0.75	0.40	73,73,73,73	0
59	MG	BD	105	1/1	0.75	0.31	87,87,87,87	0
59	MG	BK	204	1/1	0.75	0.24	74,74,74,74	0
59	MG	CB	112	1/1	0.75	0.13	77,77,77,77	0
59	MG	CA	1929	1/1	0.75	0.19	40,40,40,40	0
59	MG	CA	2213	1/1	0.76	0.11	84,84,84,84	0
59	MG	AA	4015	1/1	0.76	0.39	104,104,104,104	0
59	MG	AA	4140	1/1	0.76	0.19	74,74,74,74	0
59	MG	DY	201	1/1	0.76	0.23	100,100,100,100	0
59	MG	AA	4003	1/1	0.76	0.07	109,109,109,109	0
59	MG	DA	4494	1/1	0.76	0.34	84,84,84,84	0
59	MG	BA	1774	1/1	0.76	0.19	53,53,53,53	0
59	MG	AA	3274	1/1	0.76	0.32	70,70,70,70	0
59	MG	AA	3440	1/1	0.76	0.19	75,75,75,75	0
59	MG	CA	2317	1/1	0.76	0.20	104,104,104,104	0
59	MG	DA	4454	1/1	0.76	0.54	51,51,51,51	0
59	MG	AA	3725	1/1	0.76	0.21	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CG	310	1/1	0.76	0.13	96,96,96,96	0
59	MG	DA	3919	1/1	0.76	0.32	76,76,76,76	0
59	MG	DA	3392	1/1	0.76	0.26	76,76,76,76	0
59	MG	CA	2184	1/1	0.76	0.38	83,83,83,83	0
59	MG	CA	2234	1/1	0.76	0.21	81,81,81,81	0
59	MG	AA	4097	1/1	0.76	0.47	109,109,109,109	0
59	MG	DA	3108	1/1	0.76	0.27	76,76,76,76	0
59	MG	DA	4742	1/1	0.76	0.17	128,128,128,128	0
59	MG	CA	1792	1/1	0.76	0.07	58,58,58,58	0
59	MG	AA	4049	1/1	0.76	0.28	115,115,115,115	0
59	MG	DA	4121	1/1	0.76	0.15	77,77,77,77	0
59	MG	DA	3162	1/1	0.76	0.24	45,45,45,45	0
59	MG	CA	1767	1/1	0.76	0.18	80,80,80,80	0
59	MG	DA	3526	1/1	0.76	0.16	46,46,46,46	0
59	MG	DA	4184	1/1	0.76	0.33	61,61,61,61	0
59	MG	AA	3245	1/1	0.76	0.28	69,69,69,69	0
59	MG	AA	3187	1/1	0.76	0.25	68,68,68,68	0
59	MG	AA	4040	1/1	0.76	0.23	67,67,67,67	0
59	MG	BA	1678	1/1	0.76	0.33	77,77,77,77	0
59	MG	CA	1709	1/1	0.76	0.17	55,55,55,55	0
59	MG	AA	3649	1/1	0.76	0.20	96,96,96,96	0
59	MG	AA	3071	1/1	0.76	0.31	16,16,16,16	0
59	MG	AA	3428	1/1	0.76	0.42	101,101,101,101	0
59	MG	AA	3728	1/1	0.76	0.19	70,70,70,70	0
59	MG	BA	1830	1/1	0.76	0.30	90,90,90,90	0
59	MG	DA	4275	1/1	0.76	0.35	78,78,78,78	0
59	MG	AA	3292	1/1	0.76	0.34	79,79,79,79	0
59	MG	AA	3726	1/1	0.76	0.16	60,60,60,60	0
59	MG	CA	2180	1/1	0.76	0.18	66,66,66,66	0
59	MG	AA	3757	1/1	0.76	0.21	56,56,56,56	0
59	MG	DA	3843	1/1	0.76	0.22	53,53,53,53	0
59	MG	BA	1851	1/1	0.76	0.29	142,142,142,142	0
59	MG	BA	2104	1/1	0.76	0.46	80,80,80,80	0
59	MG	DA	4831	1/1	0.76	0.24	82,82,82,82	0
59	MG	DA	3894	1/1	0.76	0.17	101,101,101,101	0
59	MG	BB	108	1/1	0.76	0.25	94,94,94,94	0
59	MG	DA	3219	1/1	0.76	0.22	48,48,48,48	0
59	MG	DA	4985	1/1	0.76	0.40	88,88,88,88	0
59	MG	BA	2068	1/1	0.76	0.47	90,90,90,90	0
59	MG	DA	4956	1/1	0.76	0.43	118,118,118,118	0
59	MG	DA	4739	1/1	0.76	0.37	77,77,77,77	0
59	MG	BA	2176	1/1	0.76	0.15	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1956	1/1	0.76	0.14	74,74,74,74	0
59	MG	CC	115	1/1	0.76	0.34	69,69,69,69	0
59	MG	AA	3870	1/1	0.76	0.11	69,69,69,69	0
59	MG	DA	4620	1/1	0.76	0.24	84,84,84,84	0
59	MG	DA	3695	1/1	0.76	0.23	131,131,131,131	0
59	MG	DA	4587	1/1	0.76	0.21	71,71,71,71	0
59	MG	DA	3912	1/1	0.76	0.23	89,89,89,89	0
59	MG	BB	109	1/1	0.77	0.18	119,119,119,119	0
59	MG	DA	3654	1/1	0.77	0.17	40,40,40,40	0
59	MG	CA	1968	1/1	0.77	0.23	90,90,90,90	0
59	MG	DA	3332	1/1	0.77	0.42	82,82,82,82	0
59	MG	DB	240	1/1	0.77	0.26	84,84,84,84	0
59	MG	DB	273	1/1	0.77	0.24	100,100,100,100	0
59	MG	AA	3284	1/1	0.77	0.14	78,78,78,78	0
59	MG	DA	3130	1/1	0.77	0.26	73,73,73,73	0
59	MG	DA	4690	1/1	0.77	0.28	86,86,86,86	0
59	MG	DA	3889	1/1	0.77	0.14	80,80,80,80	0
59	MG	BA	1920	1/1	0.77	0.26	86,86,86,86	0
59	MG	DA	4650	1/1	0.77	0.30	83,83,83,83	0
59	MG	DA	4757	1/1	0.77	0.17	46,46,46,46	0
59	MG	BA	1803	1/1	0.77	0.38	90,90,90,90	0
59	MG	DA	3613	1/1	0.77	0.31	68,68,68,68	0
59	MG	DA	4626	1/1	0.77	0.17	56,56,56,56	0
59	MG	AA	3743	1/1	0.77	0.43	71,71,71,71	0
59	MG	BH	205	1/1	0.77	0.10	78,78,78,78	0
59	MG	DA	4575	1/1	0.77	0.29	68,68,68,68	0
59	MG	CJ	201	1/1	0.77	0.26	89,89,89,89	0
59	MG	BD	123	1/1	0.77	0.20	82,82,82,82	0
59	MG	AB	207	1/1	0.77	0.16	74,74,74,74	0
59	MG	DA	3365	1/1	0.77	0.34	45,45,45,45	0
59	MG	DA	3887	1/1	0.77	0.36	68,68,68,68	0
59	MG	BA	2163	1/1	0.77	0.14	105,105,105,105	0
59	MG	DA	3676	1/1	0.77	0.51	70,70,70,70	0
59	MG	DA	3481	1/1	0.77	0.32	93,93,93,93	0
59	MG	DA	3626	1/1	0.77	0.19	84,84,84,84	0
59	MG	DA	3679	1/1	0.77	0.07	69,69,69,69	0
59	MG	CA	2191	1/1	0.77	0.15	99,99,99,99	0
59	MG	CA	2278	1/1	0.77	0.25	84,84,84,84	0
59	MG	CA	2109	1/1	0.77	0.11	74,74,74,74	0
59	MG	AA	3353	1/1	0.77	0.33	83,83,83,83	0
59	MG	DU	207	1/1	0.77	0.20	97,97,97,97	0
59	MG	DA	3509	1/1	0.77	0.39	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AB	227	1/1	0.77	0.28	82,82,82,82	0
59	MG	DS	206	1/1	0.77	0.24	60,60,60,60	0
59	MG	CA	1624	1/1	0.77	0.15	80,80,80,80	0
59	MG	DA	4015	1/1	0.77	0.40	57,57,57,57	0
59	MG	DB	231	1/1	0.77	0.49	83,83,83,83	0
59	MG	AA	4012	1/1	0.77	0.24	85,85,85,85	0
59	MG	DA	3013	1/1	0.77	0.22	50,50,50,50	0
59	MG	DA	3883	1/1	0.77	0.15	74,74,74,74	0
59	MG	CA	2282	1/1	0.77	0.20	128,128,128,128	0
59	MG	CA	2246	1/1	0.77	0.18	91,91,91,91	0
59	MG	D7	104	1/1	0.77	0.25	47,47,47,47	0
59	MG	DA	4638	1/1	0.77	0.26	56,56,56,56	0
59	MG	AA	3605	1/1	0.77	0.12	66,66,66,66	0
59	MG	DA	4442	1/1	0.77	0.19	49,49,49,49	0
59	MG	CA	2302	1/1	0.77	0.13	77,77,77,77	0
59	MG	CC	109	1/1	0.77	0.19	49,49,49,49	0
59	MG	DA	4771	1/1	0.77	0.60	92,92,92,92	0
59	MG	CA	2193	1/1	0.77	0.34	86,86,86,86	0
59	MG	DA	3344	1/1	0.77	0.62	90,90,90,90	0
59	MG	DA	4084	1/1	0.77	0.27	79,79,79,79	0
59	MG	AA	3747	1/1	0.77	0.16	53,53,53,53	0
59	MG	AA	3732	1/1	0.77	0.12	76,76,76,76	0
59	MG	DA	5013	1/1	0.77	0.16	54,54,54,54	0
59	MG	AA	4023	1/1	0.77	0.12	73,73,73,73	0
59	MG	BA	1927	1/1	0.77	0.20	51,51,51,51	0
59	MG	DA	3790	1/1	0.77	0.27	66,66,66,66	0
59	MG	DA	3992	1/1	0.77	0.25	61,61,61,61	0
59	MG	DB	233	1/1	0.77	0.15	45,45,45,45	0
59	MG	DA	3633	1/1	0.77	0.29	48,48,48,48	0
59	MG	CK	205	1/1	0.77	0.16	75,75,75,75	0
59	MG	DA	3631	1/1	0.77	0.21	60,60,60,60	0
59	MG	A2	201	1/1	0.77	0.31	66,66,66,66	0
59	MG	AA	3417	1/1	0.77	0.11	58,58,58,58	0
59	MG	AA	3613	1/1	0.77	0.14	84,84,84,84	0
59	MG	AB	214	1/1	0.77	0.31	105,105,105,105	0
59	MG	BD	113	1/1	0.77	0.13	78,78,78,78	0
59	MG	AB	210	1/1	0.77	0.22	81,81,81,81	0
59	MG	DE	308	1/1	0.77	0.94	83,83,83,83	0
59	MG	CA	1699	1/1	0.77	0.12	40,40,40,40	0
59	MG	DA	3665	1/1	0.77	0.19	110,110,110,110	0
59	MG	BA	1937	1/1	0.77	0.38	71,71,71,71	0
59	MG	DA	4539	1/1	0.77	0.34	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3287	1/1	0.77	0.14	66,66,66,66	0
59	MG	BD	126	1/1	0.77	0.41	133,133,133,133	0
59	MG	DA	4731	1/1	0.77	0.19	63,63,63,63	0
59	MG	CA	2042	1/1	0.77	0.15	57,57,57,57	0
59	MG	DA	4481	1/1	0.78	0.24	62,62,62,62	0
59	MG	DA	4279	1/1	0.78	0.12	72,72,72,72	0
59	MG	AA	3943	1/1	0.78	0.20	65,65,65,65	0
59	MG	CA	2173	1/1	0.78	0.15	71,71,71,71	0
59	MG	BA	2140	1/1	0.78	0.30	103,103,103,103	0
59	MG	CA	2313	1/1	0.78	0.34	128,128,128,128	0
59	MG	AA	3837	1/1	0.78	0.28	116,116,116,116	0
59	MG	DA	4582	1/1	0.78	0.25	69,69,69,69	0
59	MG	DA	4752	1/1	0.78	0.20	84,84,84,84	0
59	MG	AA	3422	1/1	0.78	0.14	73,73,73,73	0
59	MG	CD	109	1/1	0.78	0.12	70,70,70,70	0
59	MG	AA	3812	1/1	0.78	0.21	83,83,83,83	0
59	MG	DA	4552	1/1	0.78	0.27	83,83,83,83	0
59	MG	DA	3592	1/1	0.78	0.21	81,81,81,81	0
59	MG	AA	4083	1/1	0.78	0.16	74,74,74,74	0
59	MG	CA	1935	1/1	0.78	0.17	45,45,45,45	0
59	MG	DA	4865	1/1	0.78	0.26	67,67,67,67	0
59	MG	BA	1839	1/1	0.78	0.29	136,136,136,136	0
59	MG	DA	3408	1/1	0.78	0.14	41,41,41,41	0
59	MG	AA	4141	1/1	0.78	0.11	88,88,88,88	0
59	MG	DA	3385	1/1	0.78	0.27	85,85,85,85	0
59	MG	BA	2028	1/1	0.78	0.26	77,77,77,77	0
59	MG	AA	3396	1/1	0.78	0.17	58,58,58,58	0
59	MG	CA	1818	1/1	0.78	0.21	101,101,101,101	0
59	MG	DA	4421	1/1	0.78	0.25	64,64,64,64	0
59	MG	DA	3494	1/1	0.78	0.27	59,59,59,59	0
59	MG	CA	2208	1/1	0.78	0.15	81,81,81,81	0
59	MG	AA	4089	1/1	0.78	0.16	107,107,107,107	0
59	MG	BA	1834	1/1	0.78	0.14	70,70,70,70	0
59	MG	DA	3682	1/1	0.78	0.16	83,83,83,83	0
59	MG	DF	309	1/1	0.78	0.24	46,46,46,46	0
59	MG	DA	4834	1/1	0.78	0.26	78,78,78,78	0
59	MG	CA	1772	1/1	0.78	0.21	62,62,62,62	0
59	MG	DE	312	1/1	0.78	0.16	74,74,74,74	0
59	MG	BA	1969	1/1	0.78	0.11	71,71,71,71	0
59	MG	AA	3905	1/1	0.78	0.10	86,86,86,86	0
59	MG	DA	4717	1/1	0.78	0.33	80,80,80,80	0
59	MG	DY	204	1/1	0.78	0.14	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4316	1/1	0.78	0.24	67,67,67,67	0
59	MG	DB	216	1/1	0.78	0.18	43,43,43,43	0
59	MG	BA	1912	1/1	0.78	0.30	82,82,82,82	0
59	MG	DA	3195	1/1	0.78	0.28	50,50,50,50	0
59	MG	CA	2047	1/1	0.78	0.12	80,80,80,80	0
59	MG	DA	3160	1/1	0.78	0.31	48,48,48,48	0
59	MG	DA	4540	1/1	0.78	0.24	88,88,88,88	0
59	MG	AA	3363	1/1	0.78	0.27	74,74,74,74	0
59	MG	D0	207	1/1	0.78	0.33	58,58,58,58	0
59	MG	AA	3775	1/1	0.78	0.48	91,91,91,91	0
59	MG	DA	4660	1/1	0.78	0.24	73,73,73,73	0
59	MG	DA	5076	1/1	0.78	0.33	85,85,85,85	0
59	MG	BA	2102	1/1	0.78	0.12	85,85,85,85	0
59	MG	DA	3766	1/1	0.78	0.24	77,77,77,77	0
59	MG	D1	201	1/1	0.78	0.24	49,49,49,49	0
59	MG	AA	3330	1/1	0.78	0.20	111,111,111,111	0
59	MG	DA	5053	1/1	0.78	0.51	101,101,101,101	0
59	MG	DA	4037	1/1	0.78	0.22	81,81,81,81	0
59	MG	DA	3624	1/1	0.78	0.27	74,74,74,74	0
59	MG	AA	4068	1/1	0.78	0.16	58,58,58,58	0
59	MG	DA	3257	1/1	0.78	0.25	66,66,66,66	0
59	MG	DA	4473	1/1	0.78	0.34	60,60,60,60	0
59	MG	BD	108	1/1	0.78	0.13	82,82,82,82	0
59	MG	DA	4744	1/1	0.78	0.30	70,70,70,70	0
59	MG	CA	2251	1/1	0.78	0.16	93,93,93,93	0
59	MG	DA	3873	1/1	0.78	0.46	119,119,119,119	0
59	MG	BM	203	1/1	0.78	0.24	91,91,91,91	0
59	MG	BA	1923	1/1	0.78	0.35	81,81,81,81	0
59	MG	BA	1814	1/1	0.78	0.12	115,115,115,115	0
59	MG	DA	3586	1/1	0.78	0.39	83,83,83,83	0
59	MG	AA	3077	1/1	0.78	0.14	63,63,63,63	0
59	MG	AU	202	1/1	0.78	0.23	76,76,76,76	0
59	MG	DB	245	1/1	0.78	0.15	59,59,59,59	0
59	MG	DA	3122	1/1	0.78	0.32	75,75,75,75	0
59	MG	AA	3321	1/1	0.78	0.17	69,69,69,69	0
59	MG	BA	1792	1/1	0.78	0.32	79,79,79,79	0
59	MG	DA	4185	1/1	0.78	0.44	88,88,88,88	0
59	MG	DW	105	1/1	0.78	0.21	81,81,81,81	0
59	MG	DA	4100	1/1	0.78	0.23	72,72,72,72	0
59	MG	BD	114	1/1	0.78	0.14	93,93,93,93	0
59	MG	CA	1997	1/1	0.78	0.46	96,96,96,96	0
59	MG	CB	101	1/1	0.78	0.33	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4998	1/1	0.78	0.36	110,110,110,110	0
59	MG	AA	3739	1/1	0.79	0.22	86,86,86,86	0
59	MG	DO	211	1/1	0.79	0.30	53,53,53,53	0
59	MG	DA	3425	1/1	0.79	0.30	63,63,63,63	0
59	MG	CA	2023	1/1	0.79	0.36	79,79,79,79	0
59	MG	BA	2257	1/1	0.79	0.10	85,85,85,85	0
59	MG	AA	3344	1/1	0.79	0.16	76,76,76,76	0
59	MG	AG	203	1/1	0.79	0.16	97,97,97,97	0
59	MG	AA	3548	1/1	0.79	0.29	59,59,59,59	0
59	MG	BW	202	1/1	0.79	0.11	73,73,73,73	0
59	MG	BA	2188	1/1	0.79	0.37	102,102,102,102	0
59	MG	AA	4121	1/1	0.79	0.14	66,66,66,66	0
59	MG	CA	2270	1/1	0.79	0.16	68,68,68,68	0
59	MG	DA	4625	1/1	0.79	0.29	67,67,67,67	0
59	MG	BD	124	1/1	0.79	0.11	104,104,104,104	0
59	MG	BA	2191	1/1	0.79	0.13	73,73,73,73	0
59	MG	AA	3561	1/1	0.79	0.15	45,45,45,45	0
59	MG	CS	104	1/1	0.79	0.17	125,125,125,125	0
59	MG	DA	4806	1/1	0.79	0.19	59,59,59,59	0
59	MG	AA	3418	1/1	0.79	0.48	91,91,91,91	0
59	MG	CA	2178	1/1	0.79	0.13	92,92,92,92	0
59	MG	BA	1994	1/1	0.79	0.15	107,107,107,107	0
59	MG	BA	1741	1/1	0.79	0.21	85,85,85,85	0
59	MG	DA	3576	1/1	0.79	0.43	102,102,102,102	0
59	MG	AA	3985	1/1	0.79	0.23	97,97,97,97	0
59	MG	DA	4993	1/1	0.79	0.21	139,139,139,139	0
59	MG	AA	4093	1/1	0.79	0.56	114,114,114,114	0
59	MG	DA	3549	1/1	0.79	0.17	40,40,40,40	0
59	MG	DA	4917	1/1	0.79	0.33	61,61,61,61	0
59	MG	AA	3927	1/1	0.79	0.17	76,76,76,76	0
59	MG	DA	3556	1/1	0.79	0.35	107,107,107,107	0
59	MG	BA	2111	1/1	0.79	0.28	79,79,79,79	0
59	MG	DA	4244	1/1	0.79	0.13	44,44,44,44	0
59	MG	DA	4874	1/1	0.79	0.45	84,84,84,84	0
59	MG	CA	1942	1/1	0.79	0.51	105,105,105,105	0
59	MG	D3	107	1/1	0.79	0.16	53,53,53,53	0
59	MG	CA	1761	1/1	0.79	0.27	65,65,65,65	0
59	MG	BA	1890	1/1	0.79	0.36	72,72,72,72	0
59	MG	BA	1928	1/1	0.79	0.14	67,67,67,67	0
59	MG	AA	3973	1/1	0.79	0.16	86,86,86,86	0
59	MG	AB	220	1/1	0.79	0.17	79,79,79,79	0
59	MG	DA	3908	1/1	0.79	0.20	124,124,124,124	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4518	1/1	0.79	0.24	49,49,49,49	0
59	MG	BG	301	1/1	0.79	0.08	67,67,67,67	0
59	MG	DA	4265	1/1	0.79	0.31	95,95,95,95	0
59	MG	BK	201	1/1	0.79	0.34	96,96,96,96	0
59	MG	DA	4542	1/1	0.79	0.23	37,37,37,37	0
59	MG	DA	3596	1/1	0.79	0.19	76,76,76,76	0
59	MG	BA	1802	1/1	0.79	0.29	75,75,75,75	0
59	MG	DA	4823	1/1	0.79	0.24	71,71,71,71	0
59	MG	DA	4827	1/1	0.79	0.41	87,87,87,87	0
59	MG	DA	4418	1/1	0.79	0.30	96,96,96,96	0
59	MG	BA	2219	1/1	0.79	0.17	60,60,60,60	0
59	MG	DA	4924	1/1	0.79	0.18	75,75,75,75	0
59	MG	AA	3981	1/1	0.79	0.27	131,131,131,131	0
59	MG	BA	2269	1/1	0.79	0.19	80,80,80,80	0
59	MG	BK	205	1/1	0.79	0.36	86,86,86,86	0
59	MG	A7	102	1/1	0.79	0.41	59,59,59,59	0
59	MG	BA	1712	1/1	0.79	0.35	56,56,56,56	0
59	MG	DA	5033	1/1	0.79	0.11	75,75,75,75	0
59	MG	DA	5056	1/1	0.79	0.61	98,98,98,98	0
59	MG	CA	1899	1/1	0.79	0.19	49,49,49,49	0
59	MG	CA	1646	1/1	0.79	0.13	53,53,53,53	0
59	MG	DA	4940	1/1	0.79	0.32	69,69,69,69	0
59	MG	AA	3665	1/1	0.79	0.40	80,80,80,80	0
59	MG	AA	4149	1/1	0.79	0.23	125,125,125,125	0
59	MG	DA	4817	1/1	0.79	0.26	78,78,78,78	0
59	MG	AA	3416	1/1	0.79	0.35	78,78,78,78	0
59	MG	BA	1606	1/1	0.79	0.15	93,93,93,93	0
59	MG	AA	3049	1/1	0.79	0.21	48,48,48,48	0
59	MG	AZ	102	1/1	0.79	0.22	50,50,50,50	0
59	MG	DA	3872	1/1	0.79	0.15	75,75,75,75	0
59	MG	DA	3870	1/1	0.79	0.33	67,67,67,67	0
59	MG	AA	3864	1/1	0.79	0.11	48,48,48,48	0
59	MG	CB	103	1/1	0.79	0.15	53,53,53,53	0
59	MG	AG	202	1/1	0.79	0.10	83,83,83,83	0
59	MG	AA	3799	1/1	0.79	0.38	93,93,93,93	0
59	MG	DA	4886	1/1	0.79	0.41	60,60,60,60	0
59	MG	AA	3371	1/1	0.79	0.08	63,63,63,63	0
59	MG	AA	3298	1/1	0.79	0.13	38,38,38,38	0
59	MG	DA	3745	1/1	0.79	0.31	49,49,49,49	0
59	MG	BA	2130	1/1	0.79	0.13	86,86,86,86	0
59	MG	AA	4024	1/1	0.80	0.30	95,95,95,95	0
59	MG	CA	2273	1/1	0.80	0.14	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3631	1/1	0.80	0.13	58,58,58,58	0
59	MG	A3	104	1/1	0.80	0.13	83,83,83,83	0
59	MG	CA	1835	1/1	0.80	0.27	114,114,114,114	0
59	MG	CA	2220	1/1	0.80	0.32	112,112,112,112	0
59	MG	BA	2224	1/1	0.80	0.20	83,83,83,83	0
59	MG	BA	1793	1/1	0.80	0.11	57,57,57,57	0
59	MG	DA	3856	1/1	0.80	0.26	70,70,70,70	0
59	MG	DA	3423	1/1	0.80	0.12	58,58,58,58	0
59	MG	DA	4688	1/1	0.80	0.41	83,83,83,83	0
59	MG	AA	4160	1/1	0.80	0.26	74,74,74,74	0
59	MG	BA	1605	1/1	0.80	0.10	56,56,56,56	0
59	MG	BA	1771	1/1	0.80	0.41	74,74,74,74	0
59	MG	AB	224	1/1	0.80	0.15	85,85,85,85	0
59	MG	BA	2144	1/1	0.80	0.18	75,75,75,75	0
59	MG	CA	2320	1/1	0.80	0.11	81,81,81,81	0
59	MG	DA	4504	1/1	0.80	0.36	82,82,82,82	0
59	MG	DA	4997	1/1	0.80	0.18	50,50,50,50	0
59	MG	BA	1796	1/1	0.80	0.42	77,77,77,77	0
59	MG	AA	3527	1/1	0.80	0.16	34,34,34,34	0
59	MG	CA	2035	1/1	0.80	0.10	68,68,68,68	0
59	MG	DA	4943	1/1	0.80	0.41	81,81,81,81	0
59	MG	CA	1954	1/1	0.80	0.49	90,90,90,90	0
59	MG	DA	4612	1/1	0.80	0.46	79,79,79,79	0
59	MG	BA	2209	1/1	0.80	0.11	56,56,56,56	0
59	MG	BA	1854	1/1	0.80	0.39	84,84,84,84	0
59	MG	BA	1621	1/1	0.80	0.60	120,120,120,120	0
59	MG	AA	3165	1/1	0.80	0.22	53,53,53,53	0
59	MG	DA	4549	1/1	0.80	0.13	98,98,98,98	0
59	MG	D1	202	1/1	0.80	0.24	57,57,57,57	0
59	MG	BS	105	1/1	0.80	0.11	89,89,89,89	0
59	MG	BA	1869	1/1	0.80	0.12	73,73,73,73	0
59	MG	DA	4040	1/1	0.80	0.28	59,59,59,59	0
59	MG	DA	4976	1/1	0.80	0.68	98,98,98,98	0
59	MG	CF	301	1/1	0.80	0.24	75,75,75,75	0
59	MG	DA	3473	1/1	0.80	0.19	44,44,44,44	0
59	MG	BA	1679	1/1	0.80	0.17	50,50,50,50	0
59	MG	DA	3824	1/1	0.80	0.37	73,73,73,73	0
59	MG	DA	3775	1/1	0.80	0.18	87,87,87,87	0
59	MG	AA	3526	1/1	0.80	0.14	75,75,75,75	0
59	MG	DA	3770	1/1	0.80	0.41	88,88,88,88	0
59	MG	CA	2050	1/1	0.80	0.28	80,80,80,80	0
59	MG	CB	106	1/1	0.80	0.35	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4778	1/1	0.80	0.23	66,66,66,66	0
59	MG	BQ	103	1/1	0.80	0.17	69,69,69,69	0
59	MG	DB	228	1/1	0.80	0.65	91,91,91,91	0
59	MG	BA	1984	1/1	0.80	0.09	84,84,84,84	0
59	MG	AA	3413	1/1	0.80	0.49	95,95,95,95	0
59	MG	AA	3986	1/1	0.80	0.13	88,88,88,88	0
59	MG	DA	4404	1/1	0.80	0.18	68,68,68,68	0
59	MG	BA	1987	1/1	0.80	0.18	83,83,83,83	0
59	MG	AA	3144	1/1	0.80	0.21	69,69,69,69	0
59	MG	AA	4094	1/1	0.80	0.34	57,57,57,57	0
59	MG	DA	4863	1/1	0.80	0.22	83,83,83,83	0
59	MG	AA	3880	1/1	0.80	0.14	102,102,102,102	0
59	MG	AA	4020	1/1	0.80	0.27	85,85,85,85	0
59	MG	AA	3212	1/1	0.80	0.36	78,78,78,78	0
59	MG	BA	2157	1/1	0.80	0.13	72,72,72,72	0
59	MG	CH	202	1/1	0.80	0.12	62,62,62,62	0
59	MG	AK	202	1/1	0.80	0.11	75,75,75,75	0
59	MG	DA	3913	1/1	0.80	0.32	120,120,120,120	0
59	MG	CA	2164	1/1	0.80	0.18	103,103,103,103	0
59	MG	BA	2216	1/1	0.80	0.36	91,91,91,91	0
59	MG	AA	3608	1/1	0.80	0.17	86,86,86,86	0
59	MG	CA	2210	1/1	0.80	0.11	144,144,144,144	0
59	MG	AA	3253	1/1	0.80	0.21	50,50,50,50	0
59	MG	AA	3645	1/1	0.80	0.26	46,46,46,46	0
59	MG	CA	2124	1/1	0.80	0.41	94,94,94,94	0
59	MG	DA	5012	1/1	0.80	0.25	100,100,100,100	0
59	MG	CV	103	1/1	0.80	0.14	84,84,84,84	0
59	MG	DA	4937	1/1	0.80	0.28	78,78,78,78	0
59	MG	AA	3873	1/1	0.80	0.24	87,87,87,87	0
59	MG	DG	203	1/1	0.80	0.21	64,64,64,64	0
59	MG	DA	4331	1/1	0.80	0.27	63,63,63,63	0
59	MG	A0	201	1/1	0.80	0.17	61,61,61,61	0
59	MG	DA	3525	1/1	0.80	0.18	43,43,43,43	0
59	MG	DA	4062	1/1	0.80	0.18	49,49,49,49	0
59	MG	DA	3844	1/1	0.80	0.20	109,109,109,109	0
59	MG	AA	3934	1/1	0.80	0.20	93,93,93,93	0
59	MG	AA	4126	1/1	0.80	0.31	87,87,87,87	0
59	MG	DO	218	1/1	0.80	0.19	74,74,74,74	0
59	MG	DA	4986	1/1	0.80	0.20	63,63,63,63	0
59	MG	DA	3657	1/1	0.80	0.15	74,74,74,74	0
59	MG	DA	4151	1/1	0.80	0.25	66,66,66,66	0
59	MG	CD	103	1/1	0.80	0.41	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3511	1/1	0.80	0.30	42,42,42,42	0
59	MG	DA	4910	1/1	0.80	0.13	67,67,67,67	0
59	MG	DA	5037	1/1	0.80	0.15	84,84,84,84	0
59	MG	BA	2274	1/1	0.80	0.17	82,82,82,82	0
59	MG	AA	3497	1/1	0.80	0.26	80,80,80,80	0
59	MG	DA	4269	1/1	0.80	0.53	72,72,72,72	0
59	MG	CA	2108	1/1	0.80	0.14	78,78,78,78	0
59	MG	CA	2194	1/1	0.80	0.20	101,101,101,101	0
59	MG	BA	1930	1/1	0.80	0.24	62,62,62,62	0
59	MG	AA	3853	1/1	0.80	0.15	55,55,55,55	0
59	MG	DH	205	1/1	0.80	0.16	77,77,77,77	0
59	MG	DA	4852	1/1	0.80	0.28	142,142,142,142	0
59	MG	CA	1759	1/1	0.81	0.28	75,75,75,75	0
59	MG	BD	117	1/1	0.81	0.27	115,115,115,115	0
59	MG	DA	3968	1/1	0.81	0.30	55,55,55,55	0
59	MG	AA	3806	1/1	0.81	0.11	79,79,79,79	0
59	MG	CA	2255	1/1	0.81	0.29	95,95,95,95	0
59	MG	BA	1967	1/1	0.81	0.36	77,77,77,77	0
59	MG	CA	2186	1/1	0.81	0.18	121,121,121,121	0
59	MG	DA	4263	1/1	0.81	0.18	66,66,66,66	0
59	MG	DA	4495	1/1	0.81	0.48	111,111,111,111	0
59	MG	AA	3444	1/1	0.81	0.32	81,81,81,81	0
59	MG	DA	4177	1/1	0.81	0.29	52,52,52,52	0
59	MG	BA	1755	1/1	0.81	0.15	56,56,56,56	0
59	MG	CA	1928	1/1	0.81	0.16	78,78,78,78	0
59	MG	AA	3360	1/1	0.81	0.19	95,95,95,95	0
59	MG	AA	4100	1/1	0.81	0.07	103,103,103,103	0
59	MG	DA	3371	1/1	0.81	0.25	73,73,73,73	0
59	MG	DA	3498	1/1	0.81	0.23	44,44,44,44	0
59	MG	BA	2154	1/1	0.81	0.18	73,73,73,73	0
59	MG	DA	3727	1/1	0.81	0.31	49,49,49,49	0
59	MG	DA	4658	1/1	0.81	0.26	76,76,76,76	0
59	MG	DO	216	1/1	0.81	0.35	58,58,58,58	0
59	MG	AA	3359	1/1	0.81	0.10	48,48,48,48	0
59	MG	DA	3412	1/1	0.81	0.29	68,68,68,68	0
59	MG	B1	101	1/1	0.81	0.25	60,60,60,60	0
59	MG	DA	4665	1/1	0.81	0.20	76,76,76,76	0
59	MG	DA	4781	1/1	0.81	0.46	105,105,105,105	0
59	MG	CA	2027	1/1	0.81	0.44	110,110,110,110	0
59	MG	DA	4851	1/1	0.81	0.20	139,139,139,139	0
59	MG	BA	2066	1/1	0.81	0.39	105,105,105,105	0
59	MG	DA	4934	1/1	0.81	0.30	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3114	1/1	0.81	0.33	97,97,97,97	0
59	MG	AA	3882	1/1	0.81	0.18	77,77,77,77	0
59	MG	DA	3268	1/1	0.81	0.27	50,50,50,50	0
59	MG	DA	4802	1/1	0.81	0.33	75,75,75,75	0
59	MG	D1	208	1/1	0.81	0.19	58,58,58,58	0
59	MG	DA	4123	1/1	0.81	0.18	75,75,75,75	0
59	MG	CA	1916	1/1	0.81	0.11	61,61,61,61	0
59	MG	CA	2311	1/1	0.81	0.30	81,81,81,81	0
59	MG	AA	3805	1/1	0.81	0.33	94,94,94,94	0
59	MG	DE	311	1/1	0.81	0.24	42,42,42,42	0
59	MG	BA	1766	1/1	0.81	0.11	74,74,74,74	0
59	MG	CA	2272	1/1	0.81	0.09	147,147,147,147	0
59	MG	CA	2222	1/1	0.81	0.14	72,72,72,72	0
59	MG	BA	1762	1/1	0.81	0.29	78,78,78,78	0
59	MG	AA	3452	1/1	0.81	0.19	97,97,97,97	0
59	MG	CC	123	1/1	0.81	0.17	74,74,74,74	0
59	MG	DA	5027	1/1	0.81	0.41	85,85,85,85	0
59	MG	BI	201	1/1	0.81	0.09	47,47,47,47	0
59	MG	BA	2083	1/1	0.81	0.17	86,86,86,86	0
59	MG	AA	3895	1/1	0.81	0.09	51,51,51,51	0
59	MG	CA	1966	1/1	0.81	0.19	69,69,69,69	0
59	MG	DA	4713	1/1	0.81	0.32	75,75,75,75	0
59	MG	BA	1932	1/1	0.81	0.12	107,107,107,107	0
59	MG	DA	4516	1/1	0.81	0.25	53,53,53,53	0
59	MG	CA	1963	1/1	0.81	0.11	71,71,71,71	0
59	MG	DA	4360	1/1	0.81	0.12	57,57,57,57	0
59	MG	DA	4223	1/1	0.81	0.20	60,60,60,60	0
59	MG	CA	2200	1/1	0.81	0.12	73,73,73,73	0
59	MG	DB	246	1/1	0.81	0.17	52,52,52,52	0
59	MG	AA	3928	1/1	0.81	0.14	71,71,71,71	0
59	MG	BA	1729	1/1	0.81	0.38	69,69,69,69	0
59	MG	AA	3482	1/1	0.81	0.22	58,58,58,58	0
59	MG	AA	3545	1/1	0.81	0.19	56,56,56,56	0
59	MG	DA	4215	1/1	0.81	0.23	53,53,53,53	0
59	MG	DA	4705	1/1	0.81	0.58	93,93,93,93	0
59	MG	CA	1747	1/1	0.81	0.14	51,51,51,51	0
59	MG	AA	3341	1/1	0.81	0.16	57,57,57,57	0
59	MG	AA	3997	1/1	0.81	0.16	78,78,78,78	0
59	MG	DA	3396	1/1	0.81	0.33	46,46,46,46	0
59	MG	CA	2120	1/1	0.81	0.30	84,84,84,84	0
59	MG	CA	1755	1/1	0.81	0.22	75,75,75,75	0
59	MG	BA	2238	1/1	0.81	0.14	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1865	1/1	0.81	0.12	75,75,75,75	0
59	MG	CA	2165	1/1	0.81	0.15	101,101,101,101	0
59	MG	DA	5014	1/1	0.81	0.29	64,64,64,64	0
59	MG	DB	267	1/1	0.81	0.17	73,73,73,73	0
59	MG	CC	106	1/1	0.81	0.24	60,60,60,60	0
59	MG	DA	4006	1/1	0.81	0.42	71,71,71,71	0
59	MG	CA	2233	1/1	0.81	0.23	60,60,60,60	0
59	MG	BA	2093	1/1	0.81	0.36	106,106,106,106	0
59	MG	BA	2132	1/1	0.81	0.13	87,87,87,87	0
59	MG	CD	106	1/1	0.81	0.27	88,88,88,88	0
59	MG	DM	206	1/1	0.81	0.39	85,85,85,85	0
59	MG	AA	3841	1/1	0.81	0.25	85,85,85,85	0
59	MG	CA	2259	1/1	0.81	0.20	67,67,67,67	0
59	MG	DA	3842	1/1	0.81	0.10	54,54,54,54	0
59	MG	AU	206	1/1	0.81	0.25	75,75,75,75	0
59	MG	DA	4122	1/1	0.81	0.55	105,105,105,105	0
59	MG	BA	1949	1/1	0.81	0.32	85,85,85,85	0
59	MG	CA	2175	1/1	0.81	0.21	89,89,89,89	0
59	MG	AA	3855	1/1	0.81	0.10	72,72,72,72	0
59	MG	DA	3404	1/1	0.81	0.30	65,65,65,65	0
59	MG	BA	1642	1/1	0.81	0.17	45,45,45,45	0
59	MG	DA	4605	1/1	0.81	0.38	70,70,70,70	0
59	MG	DA	4562	1/1	0.81	0.23	46,46,46,46	0
59	MG	AA	3914	1/1	0.81	0.21	78,78,78,78	0
59	MG	AA	3496	1/1	0.81	0.10	63,63,63,63	0
59	MG	DU	217	1/1	0.81	0.26	110,110,110,110	0
59	MG	AA	3474	1/1	0.81	0.16	65,65,65,65	0
59	MG	DA	4208	1/1	0.81	0.35	74,74,74,74	0
59	MG	DA	4833	1/1	0.81	0.33	76,76,76,76	0
59	MG	DA	3345	1/1	0.81	0.42	80,80,80,80	0
59	MG	CA	2139	1/1	0.81	0.09	96,96,96,96	0
59	MG	AA	3902	1/1	0.81	0.11	111,111,111,111	0
59	MG	DA	3406	1/1	0.81	0.31	59,59,59,59	0
59	MG	DA	4727	1/1	0.81	0.15	69,69,69,69	0
59	MG	DT	106	1/1	0.81	0.49	69,69,69,69	0
59	MG	DA	4890	1/1	0.81	0.39	96,96,96,96	0
59	MG	AA	4056	1/1	0.81	0.10	74,74,74,74	0
59	MG	BW	208	1/1	0.81	0.19	62,62,62,62	0
59	MG	CF	302	1/1	0.81	0.22	79,79,79,79	0
59	MG	CA	2041	1/1	0.81	0.16	64,64,64,64	0
59	MG	CA	2094	1/1	0.81	0.25	87,87,87,87	0
59	MG	DA	4134	1/1	0.81	0.28	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3879	1/1	0.81	0.14	83,83,83,83	0
59	MG	DB	207	1/1	0.81	0.12	64,64,64,64	0
59	MG	DA	4577	1/1	0.81	0.32	57,57,57,57	0
59	MG	DA	3356	1/1	0.81	0.30	58,58,58,58	0
59	MG	CA	2149	1/1	0.81	0.39	103,103,103,103	0
59	MG	CD	111	1/1	0.81	0.40	69,69,69,69	0
59	MG	CA	1827	1/1	0.81	0.25	101,101,101,101	0
59	MG	AA	3296	1/1	0.81	0.23	55,55,55,55	0
59	MG	AA	3485	1/1	0.81	0.37	91,91,91,91	0
59	MG	CM	203	1/1	0.81	0.67	89,89,89,89	0
59	MG	DA	3452	1/1	0.82	0.29	68,68,68,68	0
59	MG	BA	1939	1/1	0.82	0.34	81,81,81,81	0
59	MG	BA	1731	1/1	0.82	0.29	46,46,46,46	0
59	MG	A5	103	1/1	0.82	0.12	54,54,54,54	0
59	MG	DA	3747	1/1	0.82	0.12	75,75,75,75	0
59	MG	CA	1864	1/1	0.82	0.28	82,82,82,82	0
59	MG	CA	2160	1/1	0.82	0.20	96,96,96,96	0
59	MG	BA	2186	1/1	0.82	0.16	79,79,79,79	0
59	MG	CA	2150	1/1	0.82	0.17	85,85,85,85	0
59	MG	BA	2217	1/1	0.82	0.14	108,108,108,108	0
59	MG	DA	3180	1/1	0.82	0.12	77,77,77,77	0
59	MG	DA	3247	1/1	0.82	0.23	72,72,72,72	0
59	MG	DA	4388	1/1	0.82	0.27	80,80,80,80	0
59	MG	BA	2162	1/1	0.82	0.12	115,115,115,115	0
59	MG	CA	2049	1/1	0.82	0.39	113,113,113,113	0
59	MG	AA	3519	1/1	0.82	0.13	63,63,63,63	0
59	MG	BA	1720	1/1	0.82	0.49	95,95,95,95	0
59	MG	DA	4896	1/1	0.82	0.19	74,74,74,74	0
59	MG	BA	1647	1/1	0.82	0.21	78,78,78,78	0
59	MG	AA	3724	1/1	0.82	0.23	65,65,65,65	0
59	MG	BA	2148	1/1	0.82	0.14	110,110,110,110	0
59	MG	BB	112	1/1	0.82	0.23	107,107,107,107	0
59	MG	DA	4376	1/1	0.82	0.20	60,60,60,60	0
59	MG	DA	4570	1/1	0.82	0.23	59,59,59,59	0
59	MG	BA	1652	1/1	0.82	0.32	40,40,40,40	0
59	MG	DA	4765	1/1	0.82	0.09	120,120,120,120	0
59	MG	DS	202	1/1	0.82	0.24	71,71,71,71	0
59	MG	AF	301	1/1	0.82	0.11	73,73,73,73	0
59	MG	CA	2142	1/1	0.82	0.51	110,110,110,110	0
59	MG	DA	3857	1/1	0.82	0.48	78,78,78,78	0
59	MG	DB	271	1/1	0.82	0.68	72,72,72,72	0
59	MG	DA	4691	1/1	0.82	0.14	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1822	1/1	0.82	0.09	97,97,97,97	0
59	MG	CA	1981	1/1	0.82	0.20	78,78,78,78	0
59	MG	DA	3190	1/1	0.82	0.27	60,60,60,60	0
59	MG	DA	3836	1/1	0.82	0.45	85,85,85,85	0
59	MG	AA	3089	1/1	0.82	0.37	70,70,70,70	0
59	MG	AA	3276	1/1	0.82	0.18	46,46,46,46	0
59	MG	BA	2021	1/1	0.82	0.12	84,84,84,84	0
59	MG	BA	1971	1/1	0.82	0.34	98,98,98,98	0
59	MG	AA	4110	1/1	0.82	0.09	102,102,102,102	0
59	MG	DA	4630	1/1	0.82	0.35	89,89,89,89	0
59	MG	DA	3309	1/1	0.82	0.28	56,56,56,56	0
59	MG	DA	3245	1/1	0.82	0.24	41,41,41,41	0
59	MG	DA	3645	1/1	0.82	0.15	61,61,61,61	0
59	MG	DA	3306	1/1	0.82	0.17	61,61,61,61	0
59	MG	BA	2136	1/1	0.82	0.11	117,117,117,117	0
59	MG	BA	1638	1/1	0.82	0.20	51,51,51,51	0
59	MG	DA	3267	1/1	0.82	0.30	72,72,72,72	0
59	MG	DA	3619	1/1	0.82	0.17	59,59,59,59	0
59	MG	AA	3822	1/1	0.82	0.34	77,77,77,77	0
59	MG	AA	3804	1/1	0.82	0.15	94,94,94,94	0
59	MG	BA	2069	1/1	0.82	0.49	105,105,105,105	0
59	MG	AA	3714	1/1	0.82	0.20	70,70,70,70	0
59	MG	AA	3285	1/1	0.82	0.12	62,62,62,62	0
59	MG	CA	1912	1/1	0.82	0.41	81,81,81,81	0
59	MG	CG	307	1/1	0.82	0.14	106,106,106,106	0
59	MG	DA	4447	1/1	0.82	0.23	63,63,63,63	0
59	MG	CI	201	1/1	0.82	0.14	56,56,56,56	0
59	MG	DA	3348	1/1	0.82	0.17	54,54,54,54	0
59	MG	CA	1763	1/1	0.82	0.17	39,39,39,39	0
59	MG	DA	3191	1/1	0.82	0.20	60,60,60,60	0
59	MG	AA	3566	1/1	0.82	0.19	65,65,65,65	0
59	MG	BA	2120	1/1	0.82	0.10	67,67,67,67	0
59	MG	DA	3512	1/1	0.82	0.28	66,66,66,66	0
59	MG	DA	3121	1/1	0.82	0.30	51,51,51,51	0
59	MG	DX	102	1/1	0.82	0.14	62,62,62,62	0
59	MG	DA	4859	1/1	0.82	0.23	91,91,91,91	0
59	MG	CA	2209	1/1	0.82	0.17	68,68,68,68	0
59	MG	CA	2075	1/1	0.82	0.21	84,84,84,84	0
59	MG	AA	3820	1/1	0.82	0.37	59,59,59,59	0
59	MG	DF	318	1/1	0.82	0.25	69,69,69,69	0
59	MG	CA	2216	1/1	0.82	0.16	89,89,89,89	0
59	MG	CA	2080	1/1	0.82	0.28	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DL	201	1/1	0.82	0.10	94,94,94,94	0
59	MG	DA	3168	1/1	0.82	0.17	40,40,40,40	0
59	MG	DA	3660	1/1	0.82	0.19	46,46,46,46	0
59	MG	AA	3243	1/1	0.82	0.27	99,99,99,99	0
59	MG	DA	3831	1/1	0.82	0.12	61,61,61,61	0
59	MG	DA	3277	1/1	0.82	0.43	67,67,67,67	0
59	MG	DA	3891	1/1	0.82	0.13	82,82,82,82	0
59	MG	AA	3606	1/1	0.82	0.20	97,97,97,97	0
59	MG	AT	101	1/1	0.82	0.55	70,70,70,70	0
59	MG	AA	3993	1/1	0.82	0.15	91,91,91,91	0
59	MG	DA	4614	1/1	0.82	0.38	78,78,78,78	0
59	MG	BA	2118	1/1	0.82	0.26	83,83,83,83	0
59	MG	DA	3260	1/1	0.82	0.27	60,60,60,60	0
59	MG	DA	4367	1/1	0.82	0.20	65,65,65,65	0
59	MG	DA	4440	1/1	0.82	0.35	54,54,54,54	0
59	MG	BA	1656	1/1	0.82	0.18	57,57,57,57	0
59	MG	AA	3387	1/1	0.82	0.16	40,40,40,40	0
59	MG	CA	2181	1/1	0.82	0.17	73,73,73,73	0
59	MG	BA	1805	1/1	0.82	0.42	99,99,99,99	0
59	MG	D2	210	1/1	0.82	0.56	98,98,98,98	0
59	MG	BA	2141	1/1	0.82	0.26	80,80,80,80	0
59	MG	DA	3748	1/1	0.82	0.26	66,66,66,66	0
59	MG	BD	103	1/1	0.82	0.17	58,58,58,58	0
59	MG	CB	113	1/1	0.82	0.18	72,72,72,72	0
59	MG	DA	4761	1/1	0.82	0.30	78,78,78,78	0
59	MG	DA	3979	1/1	0.82	0.31	82,82,82,82	0
59	MG	DA	4990	1/1	0.82	0.27	70,70,70,70	0
59	MG	DE	306	1/1	0.82	0.11	45,45,45,45	0
59	MG	AA	3701	1/1	0.82	0.13	55,55,55,55	0
59	MG	DA	4486	1/1	0.82	0.14	63,63,63,63	0
59	MG	DA	3528	1/1	0.82	0.14	45,45,45,45	0
59	MG	BW	201	1/1	0.82	0.17	88,88,88,88	0
59	MG	BA	1829	1/1	0.82	0.17	75,75,75,75	0
59	MG	CA	2297	1/1	0.82	0.17	71,71,71,71	0
59	MG	BA	2270	1/1	0.82	0.30	100,100,100,100	0
59	MG	CR	103	1/1	0.82	0.20	70,70,70,70	0
59	MG	B1	102	1/1	0.82	0.10	72,72,72,72	0
59	MG	CA	2266	1/1	0.83	0.23	73,73,73,73	0
59	MG	CA	1850	1/1	0.83	0.20	100,100,100,100	0
59	MG	AA	4016	1/1	0.83	0.37	111,111,111,111	0
59	MG	CA	1794	1/1	0.83	0.19	124,124,124,124	0
59	MG	BA	2009	1/1	0.83	0.13	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2221	1/1	0.83	0.13	72,72,72,72	0
59	MG	AA	3309	1/1	0.83	0.14	54,54,54,54	0
59	MG	AA	3238	1/1	0.83	0.18	63,63,63,63	0
59	MG	CA	1677	1/1	0.83	0.26	89,89,89,89	0
59	MG	AA	4005	1/1	0.83	0.12	63,63,63,63	0
59	MG	DA	3739	1/1	0.83	0.17	51,51,51,51	0
59	MG	DA	4021	1/1	0.83	0.33	76,76,76,76	0
59	MG	DA	3606	1/1	0.83	0.39	88,88,88,88	0
59	MG	AA	3910	1/1	0.83	0.12	76,76,76,76	0
59	MG	DA	4978	1/1	0.83	0.28	57,57,57,57	0
59	MG	DU	218	1/1	0.83	0.49	73,73,73,73	0
59	MG	DZ	104	1/1	0.83	0.50	59,59,59,59	0
59	MG	AA	4124	1/1	0.83	0.18	107,107,107,107	0
59	MG	AA	3517	1/1	0.83	0.27	69,69,69,69	0
59	MG	DA	4060	1/1	0.83	0.09	52,52,52,52	0
59	MG	AA	4103	1/1	0.83	0.25	54,54,54,54	0
59	MG	BK	202	1/1	0.83	0.30	80,80,80,80	0
59	MG	DA	3266	1/1	0.83	0.34	57,57,57,57	0
59	MG	DA	3931	1/1	0.83	0.16	83,83,83,83	0
59	MG	CA	2169	1/1	0.83	0.36	95,95,95,95	0
59	MG	AA	3951	1/1	0.83	0.09	98,98,98,98	0
59	MG	BA	1777	1/1	0.83	0.23	57,57,57,57	0
59	MG	AA	3879	1/1	0.83	0.12	91,91,91,91	0
59	MG	CA	2258	1/1	0.83	0.18	75,75,75,75	0
59	MG	CA	1638	1/1	0.83	0.23	51,51,51,51	0
59	MG	CA	2260	1/1	0.83	0.13	67,67,67,67	0
59	MG	AA	3670	1/1	0.83	0.14	54,54,54,54	0
59	MG	BA	2001	1/1	0.83	0.34	96,96,96,96	0
59	MG	DA	4310	1/1	0.83	0.19	56,56,56,56	0
59	MG	A1	201	1/1	0.83	0.17	60,60,60,60	0
59	MG	DA	4276	1/1	0.83	1.07	75,75,75,75	0
59	MG	DA	4551	1/1	0.83	0.32	118,118,118,118	0
59	MG	DA	4180	1/1	0.83	0.23	66,66,66,66	0
59	MG	DA	4451	1/1	0.83	0.32	63,63,63,63	0
59	MG	DT	101	1/1	0.83	0.16	54,54,54,54	0
59	MG	DP	204	1/1	0.83	0.23	51,51,51,51	0
59	MG	DA	3574	1/1	0.83	0.08	71,71,71,71	0
59	MG	DA	3484	1/1	0.83	0.34	76,76,76,76	0
59	MG	DD	313	1/1	0.83	0.15	64,64,64,64	0
59	MG	AA	3796	1/1	0.83	0.19	94,94,94,94	0
59	MG	BA	1688	1/1	0.83	0.32	61,61,61,61	0
59	MG	DA	4240	1/1	0.83	0.43	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AB	211	1/1	0.83	0.35	77,77,77,77	0
59	MG	CA	1979	1/1	0.83	0.13	58,58,58,58	0
59	MG	BA	2151	1/1	0.83	0.20	81,81,81,81	0
59	MG	DA	4502	1/1	0.83	0.35	62,62,62,62	0
59	MG	CA	1787	1/1	0.83	0.08	59,59,59,59	0
59	MG	BA	2030	1/1	0.83	0.33	71,71,71,71	0
59	MG	DA	4284	1/1	0.83	0.22	52,52,52,52	0
59	MG	CD	112	1/1	0.83	0.13	142,142,142,142	0
59	MG	AA	4119	1/1	0.83	0.36	112,112,112,112	0
59	MG	DA	3182	1/1	0.83	0.34	65,65,65,65	0
59	MG	DA	4533	1/1	0.83	0.53	88,88,88,88	0
59	MG	DA	3641	1/1	0.83	0.23	60,60,60,60	0
59	MG	DA	3447	1/1	0.83	0.22	48,48,48,48	0
59	MG	DA	4328	1/1	0.83	0.32	59,59,59,59	0
59	MG	DA	4200	1/1	0.83	0.18	61,61,61,61	0
59	MG	DA	3407	1/1	0.83	0.33	70,70,70,70	0
59	MG	DA	4009	1/1	0.83	0.17	98,98,98,98	0
59	MG	DA	4595	1/1	0.83	0.34	84,84,84,84	0
59	MG	AA	3315	1/1	0.83	0.16	49,49,49,49	0
59	MG	DA	4617	1/1	0.83	0.20	54,54,54,54	0
59	MG	AA	4082	1/1	0.83	0.17	75,75,75,75	0
59	MG	AA	3477	1/1	0.83	0.28	65,65,65,65	0
59	MG	AA	4011	1/1	0.83	0.30	122,122,122,122	0
59	MG	BA	2160	1/1	0.83	0.15	95,95,95,95	0
59	MG	DA	4186	1/1	0.83	0.24	45,45,45,45	0
59	MG	AA	3765	1/1	0.83	0.30	74,74,74,74	0
59	MG	BA	2189	1/1	0.83	0.11	140,140,140,140	0
59	MG	DA	4478	1/1	0.83	0.23	65,65,65,65	0
59	MG	AA	4064	1/1	0.83	0.11	76,76,76,76	0
59	MG	DA	3820	1/1	0.83	0.11	97,97,97,97	0
59	MG	DA	4800	1/1	0.83	0.16	49,49,49,49	0
59	MG	DA	4295	1/1	0.83	0.17	48,48,48,48	0
59	MG	CA	1951	1/1	0.83	0.08	82,82,82,82	0
59	MG	BA	2142	1/1	0.83	0.15	84,84,84,84	0
59	MG	AA	3286	1/1	0.83	0.18	67,67,67,67	0
59	MG	AA	3335	1/1	0.83	0.18	83,83,83,83	0
59	MG	BA	2208	1/1	0.83	0.35	105,105,105,105	0
59	MG	BB	110	1/1	0.83	0.19	69,69,69,69	0
59	MG	AA	3638	1/1	0.83	0.32	51,51,51,51	0
59	MG	CA	2155	1/1	0.83	0.19	65,65,65,65	0
59	MG	BW	203	1/1	0.83	0.29	125,125,125,125	0
59	MG	AA	3148	1/1	0.83	0.13	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4629	1/1	0.83	0.26	107,107,107,107	0
59	MG	DA	4329	1/1	0.83	0.21	63,63,63,63	0
59	MG	AA	4109	1/1	0.83	0.13	81,81,81,81	0
59	MG	AA	3936	1/1	0.83	0.24	83,83,83,83	0
59	MG	DA	3605	1/1	0.83	0.14	29,29,29,29	0
59	MG	AB	221	1/1	0.83	0.17	61,61,61,61	0
59	MG	AA	4035	1/1	0.83	0.20	75,75,75,75	0
59	MG	AA	3448	1/1	0.83	0.28	93,93,93,93	0
59	MG	BA	1765	1/1	0.83	0.17	82,82,82,82	0
59	MG	DA	4398	1/1	0.83	0.24	46,46,46,46	0
59	MG	D0	208	1/1	0.83	0.24	72,72,72,72	0
59	MG	AA	3189	1/1	0.83	0.13	52,52,52,52	0
59	MG	CA	2237	1/1	0.83	0.17	62,62,62,62	0
59	MG	AA	3188	1/1	0.83	0.22	52,52,52,52	0
59	MG	BA	2087	1/1	0.83	0.20	81,81,81,81	0
59	MG	DA	4296	1/1	0.83	0.63	105,105,105,105	0
59	MG	DA	3829	1/1	0.83	0.12	66,66,66,66	0
59	MG	DA	3948	1/1	0.83	0.16	127,127,127,127	0
59	MG	CA	2045	1/1	0.83	0.18	66,66,66,66	0
59	MG	DA	3514	1/1	0.83	0.32	94,94,94,94	0
59	MG	CA	1712	1/1	0.83	0.34	67,67,67,67	0
59	MG	CA	1784	1/1	0.84	0.20	54,54,54,54	0
59	MG	CA	2305	1/1	0.84	0.25	81,81,81,81	0
59	MG	BA	2113	1/1	0.84	0.30	92,92,92,92	0
59	MG	AA	3541	1/1	0.84	0.18	49,49,49,49	0
59	MG	CA	2321	1/1	0.84	0.19	90,90,90,90	0
59	MG	BA	1852	1/1	0.84	0.17	105,105,105,105	0
59	MG	DA	4693	1/1	0.84	0.30	62,62,62,62	0
59	MG	DA	3765	1/1	0.84	0.28	61,61,61,61	0
59	MG	DA	5044	1/1	0.84	0.49	93,93,93,93	0
59	MG	AA	4095	1/1	0.84	0.15	58,58,58,58	0
59	MG	CB	109	1/1	0.84	0.10	60,60,60,60	0
59	MG	AR	204	1/1	0.84	0.08	76,76,76,76	0
59	MG	AD	312	1/1	0.84	0.22	79,79,79,79	0
59	MG	DA	4004	1/1	0.84	0.62	90,90,90,90	0
59	MG	BA	1676	1/1	0.84	0.17	84,84,84,84	0
59	MG	DA	4775	1/1	0.84	0.40	86,86,86,86	0
59	MG	BA	2221	1/1	0.84	0.13	75,75,75,75	0
59	MG	AA	3407	1/1	0.84	0.43	78,78,78,78	0
59	MG	DA	3652	1/1	0.84	0.16	93,93,93,93	0
59	MG	BA	1718	1/1	0.84	0.26	43,43,43,43	0
59	MG	DA	4576	1/1	0.84	0.39	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3065	1/1	0.84	0.17	60,60,60,60	0
59	MG	DA	4982	1/1	0.84	0.60	53,53,53,53	0
59	MG	BS	109	1/1	0.84	0.15	110,110,110,110	0
59	MG	BH	204	1/1	0.84	0.17	72,72,72,72	0
59	MG	AA	3976	1/1	0.84	0.20	86,86,86,86	0
59	MG	AA	3827	1/1	0.84	0.21	62,62,62,62	0
59	MG	BA	1827	1/1	0.84	0.17	101,101,101,101	0
59	MG	DA	3882	1/1	0.84	0.36	43,43,43,43	0
59	MG	AA	3569	1/1	0.84	0.19	75,75,75,75	0
59	MG	BA	2106	1/1	0.84	0.31	104,104,104,104	0
59	MG	CA	1940	1/1	0.84	0.26	67,67,67,67	0
59	MG	BA	2063	1/1	0.84	0.11	65,65,65,65	0
59	MG	BA	1943	1/1	0.84	0.14	72,72,72,72	0
59	MG	DA	3077	1/1	0.84	0.15	47,47,47,47	0
59	MG	AA	3766	1/1	0.84	0.20	86,86,86,86	0
59	MG	DA	3809	1/1	0.84	0.20	82,82,82,82	0
59	MG	AA	3393	1/1	0.84	0.15	63,63,63,63	0
59	MG	AA	3958	1/1	0.84	0.31	94,94,94,94	0
59	MG	AA	3421	1/1	0.84	0.12	43,43,43,43	0
59	MG	AA	3697	1/1	0.84	0.28	78,78,78,78	0
59	MG	DA	4663	1/1	0.84	0.21	69,69,69,69	0
59	MG	CA	1885	1/1	0.84	0.29	49,49,49,49	0
59	MG	BA	2032	1/1	0.84	0.24	70,70,70,70	0
59	MG	DA	4409	1/1	0.84	0.25	75,75,75,75	0
59	MG	DA	4125	1/1	0.84	0.32	76,76,76,76	0
59	MG	DA	3610	1/1	0.84	0.12	45,45,45,45	0
59	MG	DA	3646	1/1	0.84	0.27	53,53,53,53	0
59	MG	CA	2219	1/1	0.84	0.22	57,57,57,57	0
59	MG	BA	2060	1/1	0.84	0.38	73,73,73,73	0
59	MG	DA	3118	1/1	0.84	0.30	69,69,69,69	0
59	MG	CA	1743	1/1	0.84	0.17	81,81,81,81	0
59	MG	BA	1905	1/1	0.84	0.11	74,74,74,74	0
59	MG	BA	2237	1/1	0.84	0.11	77,77,77,77	0
59	MG	AA	3182	1/1	0.84	0.18	60,60,60,60	0
59	MG	AA	3959	1/1	0.84	0.33	96,96,96,96	0
59	MG	CA	1851	1/1	0.84	0.10	100,100,100,100	0
59	MG	AA	3374	1/1	0.84	0.15	46,46,46,46	0
59	MG	DA	4252	1/1	0.84	0.19	60,60,60,60	0
59	MG	CA	1766	1/1	0.84	0.22	59,59,59,59	0
59	MG	DA	4544	1/1	0.84	0.30	76,76,76,76	0
59	MG	AA	3886	1/1	0.84	0.38	103,103,103,103	0
59	MG	CA	1780	1/1	0.84	0.28	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3320	1/1	0.84	0.13	14,14,14,14	0
59	MG	AA	3575	1/1	0.84	0.31	51,51,51,51	0
59	MG	AA	4022	1/1	0.84	0.17	62,62,62,62	0
59	MG	DU	205	1/1	0.84	0.34	75,75,75,75	0
59	MG	CA	1860	1/1	0.84	0.26	107,107,107,107	0
59	MG	BA	1862	1/1	0.84	0.12	77,77,77,77	0
59	MG	DA	4080	1/1	0.84	0.34	89,89,89,89	0
59	MG	AA	3576	1/1	0.84	0.17	37,37,37,37	0
59	MG	DA	4403	1/1	0.84	0.28	83,83,83,83	0
59	MG	CA	1987	1/1	0.84	0.23	73,73,73,73	0
59	MG	DA	4734	1/1	0.84	0.40	71,71,71,71	0
59	MG	CG	309	1/1	0.84	0.36	78,78,78,78	0
59	MG	DA	3451	1/1	0.84	0.51	76,76,76,76	0
59	MG	AA	3543	1/1	0.84	0.14	77,77,77,77	0
59	MG	CA	2235	1/1	0.84	0.23	70,70,70,70	0
59	MG	DA	4379	1/1	0.84	0.15	74,74,74,74	0
59	MG	AA	3740	1/1	0.84	0.13	60,60,60,60	0
59	MG	DA	4745	1/1	0.84	0.28	53,53,53,53	0
59	MG	BK	203	1/1	0.84	0.09	69,69,69,69	0
59	MG	CA	2316	1/1	0.84	0.26	75,75,75,75	0
59	MG	CC	112	1/1	0.84	0.13	63,63,63,63	0
59	MG	AA	3831	1/1	0.84	0.13	77,77,77,77	0
59	MG	DA	4828	1/1	0.84	0.29	103,103,103,103	0
59	MG	DA	4798	1/1	0.84	0.11	72,72,72,72	0
59	MG	DA	3411	1/1	0.84	0.20	56,56,56,56	0
59	MG	DT	102	1/1	0.84	0.23	60,60,60,60	0
59	MG	AA	3320	1/1	0.84	0.20	69,69,69,69	0
59	MG	BA	2255	1/1	0.84	0.14	61,61,61,61	0
59	MG	AA	3544	1/1	0.84	0.19	62,62,62,62	0
59	MG	DA	3439	1/1	0.84	0.34	86,86,86,86	0
59	MG	CA	1680	1/1	0.84	0.23	40,40,40,40	0
59	MG	CA	1791	1/1	0.84	0.15	87,87,87,87	0
59	MG	AA	3712	1/1	0.84	0.31	57,57,57,57	0
59	MG	CD	127	1/1	0.84	0.55	101,101,101,101	0
59	MG	CA	1715	1/1	0.84	0.12	62,62,62,62	0
59	MG	DA	4597	1/1	0.84	0.15	59,59,59,59	0
59	MG	DB	212	1/1	0.84	0.27	71,71,71,71	0
59	MG	CA	1910	1/1	0.84	0.24	54,54,54,54	0
59	MG	DA	3471	1/1	0.84	0.21	27,27,27,27	0
59	MG	DA	4770	1/1	0.84	0.29	93,93,93,93	0
59	MG	AA	3102	1/1	0.84	0.15	65,65,65,65	0
59	MG	DA	3659	1/1	0.84	0.23	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4430	1/1	0.84	0.18	83,83,83,83	0
59	MG	DA	5051	1/1	0.84	0.40	103,103,103,103	0
59	MG	BC	114	1/1	0.84	0.20	58,58,58,58	0
59	MG	DA	4776	1/1	0.84	0.07	72,72,72,72	0
59	MG	DA	3736	1/1	0.84	0.17	100,100,100,100	0
59	MG	AA	3235	1/1	0.84	0.21	48,48,48,48	0
59	MG	DA	4222	1/1	0.84	0.29	54,54,54,54	0
59	MG	CA	1730	1/1	0.84	0.10	38,38,38,38	0
59	MG	CA	2059	1/1	0.84	0.15	95,95,95,95	0
59	MG	CA	2016	1/1	0.84	0.46	80,80,80,80	0
59	MG	DA	3949	1/1	0.84	0.15	132,132,132,132	0
59	MG	BA	1780	1/1	0.84	0.48	85,85,85,85	0
59	MG	AA	3332	1/1	0.84	0.10	83,83,83,83	0
59	MG	DA	3343	1/1	0.84	0.36	58,58,58,58	0
59	MG	AA	4066	1/1	0.84	0.17	82,82,82,82	0
59	MG	DA	4498	1/1	0.84	0.08	82,82,82,82	0
59	MG	DA	4285	1/1	0.84	0.36	70,70,70,70	0
59	MG	AA	3271	1/1	0.84	0.31	83,83,83,83	0
59	MG	BA	1704	1/1	0.84	0.18	67,67,67,67	0
59	MG	DB	227	1/1	0.84	0.14	59,59,59,59	0
59	MG	AA	3789	1/1	0.84	0.18	55,55,55,55	0
59	MG	D2	209	1/1	0.84	0.32	74,74,74,74	0
59	MG	AA	4142	1/1	0.84	0.39	104,104,104,104	0
59	MG	DA	3208	1/1	0.84	0.26	72,72,72,72	0
59	MG	AA	3146	1/1	0.84	0.24	78,78,78,78	0
59	MG	AA	3672	1/1	0.84	0.16	55,55,55,55	0
59	MG	DA	4592	1/1	0.84	0.29	77,77,77,77	0
59	MG	DA	4066	1/1	0.84	0.11	59,59,59,59	0
59	MG	DA	3154	1/1	0.84	0.29	46,46,46,46	0
59	MG	DA	4741	1/1	0.84	0.20	62,62,62,62	0
59	MG	DA	3661	1/1	0.84	0.15	68,68,68,68	0
59	MG	AA	3350	1/1	0.84	0.12	36,36,36,36	0
59	MG	AA	3445	1/1	0.84	0.13	63,63,63,63	0
59	MG	DA	4925	1/1	0.84	0.28	73,73,73,73	0
59	MG	DA	5043	1/1	0.84	0.10	73,73,73,73	0
59	MG	DA	4724	1/1	0.84	0.24	89,89,89,89	0
59	MG	CA	2286	1/1	0.84	0.16	67,67,67,67	0
59	MG	CD	102	1/1	0.84	0.20	64,64,64,64	0
59	MG	DA	3507	1/1	0.84	0.20	66,66,66,66	0
59	MG	DA	4864	1/1	0.84	0.27	93,93,93,93	0
59	MG	DA	3761	1/1	0.84	0.15	90,90,90,90	0
59	MG	CA	2204	1/1	0.85	0.28	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1707	1/1	0.85	0.35	59,59,59,59	0
59	MG	C1	102	1/1	0.85	0.22	68,68,68,68	0
59	MG	CA	2248	1/1	0.85	0.18	72,72,72,72	0
59	MG	AA	3885	1/1	0.85	0.19	51,51,51,51	0
59	MG	CC	111	1/1	0.85	0.31	68,68,68,68	0
59	MG	AH	201	1/1	0.85	0.09	78,78,78,78	0
59	MG	AF	306	1/1	0.85	0.17	77,77,77,77	0
59	MG	DB	268	1/1	0.85	0.25	81,81,81,81	0
59	MG	DA	4947	1/1	0.85	0.33	87,87,87,87	0
59	MG	AA	3693	1/1	0.85	0.16	52,52,52,52	0
59	MG	AA	3760	1/1	0.85	0.36	85,85,85,85	0
59	MG	AA	3752	1/1	0.85	0.21	71,71,71,71	0
59	MG	DA	3230	1/1	0.85	0.23	43,43,43,43	0
59	MG	DA	3366	1/1	0.85	0.13	35,35,35,35	0
59	MG	AA	3163	1/1	0.85	0.22	65,65,65,65	0
59	MG	AA	3219	1/1	0.85	0.30	81,81,81,81	0
59	MG	CA	1603	1/1	0.85	0.42	80,80,80,80	0
59	MG	CA	2182	1/1	0.85	0.24	78,78,78,78	0
59	MG	DA	3974	1/1	0.85	0.42	61,61,61,61	0
59	MG	CA	2092	1/1	0.85	0.43	94,94,94,94	0
59	MG	DA	3538	1/1	0.85	0.20	79,79,79,79	0
59	MG	D7	105	1/1	0.85	0.17	52,52,52,52	0
59	MG	DA	3435	1/1	0.85	0.21	49,49,49,49	0
59	MG	DA	4685	1/1	0.85	0.21	64,64,64,64	0
59	MG	DA	4477	1/1	0.85	0.19	61,61,61,61	0
59	MG	AA	4025	1/1	0.85	0.23	86,86,86,86	0
59	MG	DZ	101	1/1	0.85	0.21	87,87,87,87	0
59	MG	CA	1849	1/1	0.85	0.21	75,75,75,75	0
59	MG	CA	1846	1/1	0.85	0.13	90,90,90,90	0
59	MG	BA	1957	1/1	0.85	0.41	80,80,80,80	0
59	MG	BA	2075	1/1	0.85	0.53	101,101,101,101	0
59	MG	CA	1915	1/1	0.85	0.12	108,108,108,108	0
59	MG	AA	3432	1/1	0.85	0.30	83,83,83,83	0
59	MG	DA	3797	1/1	0.85	0.20	95,95,95,95	0
59	MG	CA	1693	1/1	0.85	0.21	60,60,60,60	0
59	MG	DA	3981	1/1	0.85	0.51	87,87,87,87	0
59	MG	AA	3935	1/1	0.85	0.14	55,55,55,55	0
59	MG	CA	1800	1/1	0.85	0.07	89,89,89,89	0
59	MG	AA	3584	1/1	0.85	0.55	85,85,85,85	0
59	MG	AA	3738	1/1	0.85	0.19	66,66,66,66	0
59	MG	BA	1894	1/1	0.85	0.47	83,83,83,83	0
59	MG	BA	1743	1/1	0.85	0.08	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4327	1/1	0.85	0.20	51,51,51,51	0
59	MG	DU	219	1/1	0.85	0.19	72,72,72,72	0
59	MG	AA	3751	1/1	0.85	0.22	48,48,48,48	0
59	MG	CA	2162	1/1	0.85	0.09	79,79,79,79	0
59	MG	BA	1903	1/1	0.85	0.04	71,71,71,71	0
59	MG	DA	5060	1/1	0.85	0.21	64,64,64,64	0
59	MG	DA	3721	1/1	0.85	0.15	51,51,51,51	0
59	MG	DA	4042	1/1	0.85	0.34	71,71,71,71	0
59	MG	AA	3729	1/1	0.85	0.33	69,69,69,69	0
59	MG	CA	1683	1/1	0.85	0.20	47,47,47,47	0
59	MG	DA	3302	1/1	0.85	0.34	50,50,50,50	0
59	MG	AA	4017	1/1	0.85	0.14	96,96,96,96	0
59	MG	AA	3797	1/1	0.85	0.28	96,96,96,96	0
59	MG	DA	4044	1/1	0.85	0.09	107,107,107,107	0
59	MG	DA	3653	1/1	0.85	0.30	61,61,61,61	0
59	MG	AA	3367	1/1	0.85	0.28	49,49,49,49	0
59	MG	BA	1951	1/1	0.85	0.34	78,78,78,78	0
59	MG	DA	4543	1/1	0.85	0.13	60,60,60,60	0
59	MG	AA	3088	1/1	0.85	0.15	51,51,51,51	0
59	MG	CA	1813	1/1	0.85	0.33	116,116,116,116	0
59	MG	BA	1964	1/1	0.85	0.46	78,78,78,78	0
59	MG	DA	3523	1/1	0.85	0.41	82,82,82,82	0
59	MG	AA	4118	1/1	0.85	0.13	67,67,67,67	0
59	MG	DA	3722	1/1	0.85	0.20	83,83,83,83	0
59	MG	CA	1914	1/1	0.85	0.12	58,58,58,58	0
59	MG	DA	3409	1/1	0.85	0.24	44,44,44,44	0
59	MG	DA	4960	1/1	0.85	0.25	77,77,77,77	0
59	MG	CA	2007	1/1	0.85	0.31	78,78,78,78	0
59	MG	BE	304	1/1	0.85	0.38	85,85,85,85	0
59	MG	AA	3317	1/1	0.85	0.17	57,57,57,57	0
59	MG	DA	4407	1/1	0.85	0.34	85,85,85,85	0
59	MG	DA	4458	1/1	0.85	0.16	51,51,51,51	0
59	MG	AA	3354	1/1	0.85	0.07	53,53,53,53	0
59	MG	CA	1795	1/1	0.85	0.19	109,109,109,109	0
59	MG	DA	4397	1/1	0.85	0.14	56,56,56,56	0
59	MG	DA	4881	1/1	0.85	0.26	85,85,85,85	0
59	MG	AA	4050	1/1	0.85	0.09	70,70,70,70	0
59	MG	DV	303	1/1	0.85	0.18	67,67,67,67	0
59	MG	AB	206	1/1	0.85	0.16	76,76,76,76	0
59	MG	DA	5019	1/1	0.85	0.21	62,62,62,62	0
59	MG	BA	2195	1/1	0.85	0.14	67,67,67,67	0
59	MG	AA	4013	1/1	0.85	0.09	119,119,119,119	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4837	1/1	0.85	0.18	55,55,55,55	0
59	MG	DA	4405	1/1	0.85	0.17	40,40,40,40	0
59	MG	BA	1721	1/1	0.85	0.20	71,71,71,71	0
59	MG	DA	4231	1/1	0.85	0.49	42,42,42,42	0
59	MG	DA	4386	1/1	0.85	0.18	49,49,49,49	0
59	MG	DA	4347	1/1	0.85	0.23	58,58,58,58	0
59	MG	BA	2051	1/1	0.85	0.22	108,108,108,108	0
59	MG	CA	1844	1/1	0.85	0.13	57,57,57,57	0
59	MG	AA	3198	1/1	0.85	0.20	34,34,34,34	0
59	MG	CA	1698	1/1	0.85	0.35	101,101,101,101	0
59	MG	CA	2179	1/1	0.85	0.23	80,80,80,80	0
59	MG	BA	2046	1/1	0.85	0.17	95,95,95,95	0
59	MG	AA	4001	1/1	0.85	0.25	83,83,83,83	0
59	MG	DA	3640	1/1	0.85	0.18	54,54,54,54	0
59	MG	BA	1933	1/1	0.85	0.29	63,63,63,63	0
59	MG	AA	3533	1/1	0.85	0.18	44,44,44,44	0
59	MG	CA	2187	1/1	0.85	0.42	80,80,80,80	0
59	MG	DA	4050	1/1	0.85	0.21	66,66,66,66	0
59	MG	BA	1886	1/1	0.85	0.37	64,64,64,64	0
59	MG	AA	3931	1/1	0.85	0.20	86,86,86,86	0
59	MG	BA	1699	1/1	0.85	0.23	90,90,90,90	0
59	MG	DA	4173	1/1	0.85	0.18	60,60,60,60	0
59	MG	BA	1650	1/1	0.85	0.06	52,52,52,52	0
59	MG	DA	4505	1/1	0.85	0.27	97,97,97,97	0
59	MG	DB	234	1/1	0.85	0.20	64,64,64,64	0
59	MG	DH	203	1/1	0.85	0.18	78,78,78,78	0
59	MG	DA	3214	1/1	0.85	0.35	57,57,57,57	0
59	MG	DA	5074	1/1	0.85	0.09	67,67,67,67	0
59	MG	DA	3900	1/1	0.85	0.09	143,143,143,143	0
59	MG	DA	3462	1/1	0.85	0.28	56,56,56,56	0
59	MG	AA	3571	1/1	0.85	0.24	57,57,57,57	0
59	MG	AA	3912	1/1	0.85	0.37	91,91,91,91	0
59	MG	AA	3064	1/1	0.85	0.27	90,90,90,90	0
59	MG	DA	4292	1/1	0.85	0.26	62,62,62,62	0
59	MG	DA	3169	1/1	0.85	0.17	59,59,59,59	0
59	MG	AA	3792	1/1	0.85	0.53	82,82,82,82	0
59	MG	DA	3898	1/1	0.85	0.10	130,130,130,130	0
59	MG	DA	5026	1/1	0.85	1.09	42,42,42,42	0
59	MG	DA	4899	1/1	0.85	0.19	65,65,65,65	0
59	MG	AA	3773	1/1	0.85	0.21	76,76,76,76	0
59	MG	DA	3814	1/1	0.85	0.19	67,67,67,67	0
59	MG	DA	4994	1/1	0.85	0.19	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3255	1/1	0.85	0.25	72,72,72,72	0
59	MG	CA	1752	1/1	0.85	0.16	53,53,53,53	0
59	MG	DA	4133	1/1	0.85	0.19	47,47,47,47	0
59	MG	DA	4653	1/1	0.85	0.21	69,69,69,69	0
59	MG	AA	3210	1/1	0.85	0.18	39,39,39,39	0
59	MG	CA	2154	1/1	0.85	0.16	75,75,75,75	0
59	MG	DA	5047	1/1	0.85	0.32	79,79,79,79	0
59	MG	AA	3810	1/1	0.85	0.28	85,85,85,85	0
59	MG	DA	4041	1/1	0.85	0.32	101,101,101,101	0
59	MG	DA	4611	1/1	0.85	0.20	82,82,82,82	0
59	MG	DA	4598	1/1	0.85	0.23	71,71,71,71	0
59	MG	DA	3472	1/1	0.85	0.32	55,55,55,55	0
59	MG	DA	4730	1/1	0.85	0.20	57,57,57,57	0
59	MG	BA	2084	1/1	0.85	0.29	90,90,90,90	0
59	MG	BA	2019	1/1	0.85	0.36	80,80,80,80	0
59	MG	AA	3097	1/1	0.85	0.10	73,73,73,73	0
59	MG	CA	1897	1/1	0.85	0.40	71,71,71,71	0
59	MG	CA	2152	1/1	0.85	0.39	42,42,42,42	0
59	MG	BA	1783	1/1	0.85	0.20	81,81,81,81	0
59	MG	DA	3642	1/1	0.85	0.19	42,42,42,42	0
59	MG	DA	3189	1/1	0.85	0.22	26,26,26,26	0
59	MG	DA	4102	1/1	0.85	0.19	70,70,70,70	0
59	MG	DA	3998	1/1	0.86	0.38	46,46,46,46	0
59	MG	BA	2089	1/1	0.86	0.09	56,56,56,56	0
59	MG	DA	4452	1/1	0.86	0.21	50,50,50,50	0
59	MG	BA	1776	1/1	0.86	0.09	79,79,79,79	0
59	MG	CA	1990	1/1	0.86	0.14	64,64,64,64	0
59	MG	DA	4825	1/1	0.86	0.21	63,63,63,63	0
59	MG	AA	3426	1/1	0.86	0.10	64,64,64,64	0
59	MG	DA	4699	1/1	0.86	0.28	92,92,92,92	0
59	MG	AA	3194	1/1	0.86	0.14	56,56,56,56	0
59	MG	DA	4336	1/1	0.86	0.28	73,73,73,73	0
59	MG	DA	5002	1/1	0.86	0.17	89,89,89,89	0
59	MG	AA	4074	1/1	0.86	0.22	94,94,94,94	0
59	MG	CK	203	1/1	0.86	0.46	68,68,68,68	0
59	MG	BA	2146	1/1	0.86	0.27	81,81,81,81	0
59	MG	CA	2252	1/1	0.86	0.13	85,85,85,85	0
59	MG	AA	3988	1/1	0.86	0.27	64,64,64,64	0
59	MG	DA	4621	1/1	0.86	0.30	92,92,92,92	0
59	MG	DA	3643	1/1	0.86	0.24	62,62,62,62	0
59	MG	DA	4860	1/1	0.86	0.26	64,64,64,64	0
59	MG	AA	3096	1/1	0.86	0.18	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4801	1/1	0.86	0.18	54,54,54,54	0
59	MG	DA	3518	1/1	0.86	0.21	65,65,65,65	0
59	MG	AA	3420	1/1	0.86	0.26	68,68,68,68	0
59	MG	CA	2190	1/1	0.86	0.13	62,62,62,62	0
59	MG	DA	3668	1/1	0.86	0.13	80,80,80,80	0
59	MG	DA	3567	1/1	0.86	0.17	47,47,47,47	0
59	MG	DH	202	1/1	0.86	0.16	59,59,59,59	0
59	MG	DA	3322	1/1	0.86	0.14	36,36,36,36	0
59	MG	DA	3520	1/1	0.86	0.22	95,95,95,95	0
59	MG	BA	2131	1/1	0.86	0.18	61,61,61,61	0
59	MG	AA	3733	1/1	0.86	0.23	72,72,72,72	0
59	MG	CA	1802	1/1	0.86	0.13	76,76,76,76	0
59	MG	BA	1892	1/1	0.86	0.09	75,75,75,75	0
59	MG	AA	3454	1/1	0.86	0.17	67,67,67,67	0
59	MG	AA	3484	1/1	0.86	0.10	66,66,66,66	0
59	MG	BA	2127	1/1	0.86	0.10	50,50,50,50	0
59	MG	CA	1765	1/1	0.86	0.35	56,56,56,56	0
59	MG	BA	2232	1/1	0.86	0.14	103,103,103,103	0
59	MG	CA	1859	1/1	0.86	0.28	106,106,106,106	0
59	MG	CA	2106	1/1	0.86	0.11	83,83,83,83	0
59	MG	DA	4954	1/1	0.86	0.11	73,73,73,73	0
59	MG	AA	3596	1/1	0.86	0.14	65,65,65,65	0
59	MG	BA	2166	1/1	0.86	0.12	96,96,96,96	0
59	MG	DA	4455	1/1	0.86	0.21	45,45,45,45	0
59	MG	DA	4280	1/1	0.86	0.09	91,91,91,91	0
59	MG	AA	3813	1/1	0.86	0.13	99,99,99,99	0
59	MG	DA	4513	1/1	0.86	0.16	75,75,75,75	0
59	MG	DA	4955	1/1	0.86	0.31	82,82,82,82	0
59	MG	BA	1744	1/1	0.86	0.20	54,54,54,54	0
59	MG	BA	2256	1/1	0.86	0.27	76,76,76,76	0
59	MG	DA	4559	1/1	0.86	0.26	52,52,52,52	0
59	MG	DA	4352	1/1	0.86	0.30	69,69,69,69	0
59	MG	AA	3689	1/1	0.86	0.09	61,61,61,61	0
59	MG	DA	3905	1/1	0.86	0.21	61,61,61,61	0
59	MG	DA	3311	1/1	0.86	0.19	65,65,65,65	0
59	MG	BA	1646	1/1	0.86	0.15	82,82,82,82	0
59	MG	CA	1913	1/1	0.86	0.15	52,52,52,52	0
59	MG	CA	2197	1/1	0.86	0.13	107,107,107,107	0
59	MG	CA	2185	1/1	0.86	0.11	87,87,87,87	0
59	MG	AR	205	1/1	0.86	0.25	54,54,54,54	0
59	MG	CA	2028	1/1	0.86	0.23	71,71,71,71	0
59	MG	CA	1679	1/1	0.86	0.29	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2172	1/1	0.86	0.30	95,95,95,95	0
59	MG	CA	1633	1/1	0.86	0.52	105,105,105,105	0
59	MG	DA	3495	1/1	0.86	0.21	51,51,51,51	0
59	MG	CA	1941	1/1	0.86	0.41	91,91,91,91	0
59	MG	BA	1831	1/1	0.86	0.11	81,81,81,81	0
59	MG	DA	4524	1/1	0.86	0.41	50,50,50,50	0
59	MG	AA	4052	1/1	0.86	0.11	73,73,73,73	0
59	MG	AA	3944	1/1	0.86	0.14	71,71,71,71	0
59	MG	D3	102	1/1	0.86	0.17	47,47,47,47	0
59	MG	BA	2039	1/1	0.86	0.21	138,138,138,138	0
59	MG	CA	1701	1/1	0.86	0.20	56,56,56,56	0
59	MG	DA	3629	1/1	0.86	0.14	29,29,29,29	0
59	MG	CA	1948	1/1	0.86	0.11	97,97,97,97	0
59	MG	DA	4079	1/1	0.86	0.25	66,66,66,66	0
59	MG	CA	2017	1/1	0.86	0.22	57,57,57,57	0
59	MG	CA	1675	1/1	0.86	0.32	53,53,53,53	0
59	MG	AA	3110	1/1	0.86	0.20	59,59,59,59	0
59	MG	CA	2005	1/1	0.86	0.10	55,55,55,55	0
59	MG	DA	5038	1/1	0.86	0.21	84,84,84,84	0
59	MG	AA	3989	1/1	0.86	0.16	74,74,74,74	0
59	MG	DU	208	1/1	0.86	0.21	52,52,52,52	0
59	MG	DA	4362	1/1	0.86	0.44	74,74,74,74	0
59	MG	CA	2198	1/1	0.86	0.11	81,81,81,81	0
59	MG	AA	3539	1/1	0.86	0.09	50,50,50,50	0
59	MG	AA	3460	1/1	0.86	0.13	28,28,28,28	0
59	MG	AA	3288	1/1	0.86	0.08	51,51,51,51	0
59	MG	DA	4385	1/1	0.86	0.15	55,55,55,55	0
59	MG	DO	212	1/1	0.86	0.30	44,44,44,44	0
59	MG	DA	3655	1/1	0.86	0.45	86,86,86,86	0
59	MG	CA	2170	1/1	0.86	0.11	70,70,70,70	0
59	MG	DB	254	1/1	0.86	0.28	66,66,66,66	0
59	MG	AA	3266	1/1	0.86	0.19	73,73,73,73	0
59	MG	AA	4102	1/1	0.86	0.21	90,90,90,90	0
59	MG	CA	1617	1/1	0.86	0.18	33,33,33,33	0
59	MG	DA	3572	1/1	0.86	0.22	51,51,51,51	0
59	MG	DE	309	1/1	0.86	0.45	49,49,49,49	0
59	MG	AA	3750	1/1	0.86	0.10	66,66,66,66	0
59	MG	DU	209	1/1	0.86	0.37	96,96,96,96	0
59	MG	DA	3994	1/1	0.86	0.39	48,48,48,48	0
59	MG	DA	3617	1/1	0.86	0.32	82,82,82,82	0
59	MG	AA	3938	1/1	0.86	0.24	76,76,76,76	0
59	MG	CA	1905	1/1	0.86	0.16	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1938	1/1	0.86	0.18	87,87,87,87	0
59	MG	AA	4096	1/1	0.86	0.40	114,114,114,114	0
59	MG	D0	205	1/1	0.86	0.35	41,41,41,41	0
59	MG	CA	2118	1/1	0.86	0.18	82,82,82,82	0
59	MG	DA	3207	1/1	0.86	0.34	45,45,45,45	0
59	MG	DA	3901	1/1	0.86	0.22	30,30,30,30	0
59	MG	BA	1657	1/1	0.86	0.29	63,63,63,63	0
59	MG	AA	3749	1/1	0.86	0.36	33,33,33,33	0
59	MG	AB	216	1/1	0.86	0.23	53,53,53,53	0
59	MG	AA	4033	1/1	0.86	0.34	83,83,83,83	0
59	MG	DA	4493	1/1	0.86	0.30	107,107,107,107	0
59	MG	AA	3369	1/1	0.86	0.15	81,81,81,81	0
59	MG	AA	3524	1/1	0.86	0.14	50,50,50,50	0
59	MG	DA	4497	1/1	0.86	0.36	43,43,43,43	0
59	MG	DA	4600	1/1	0.86	0.23	57,57,57,57	0
59	MG	BA	2044	1/1	0.86	0.09	62,62,62,62	0
59	MG	CA	1770	1/1	0.86	0.16	56,56,56,56	0
59	MG	CA	1678	1/1	0.86	0.49	65,65,65,65	0
59	MG	CA	2324	1/1	0.86	0.30	89,89,89,89	0
59	MG	DA	3483	1/1	0.86	0.26	61,61,61,61	0
59	MG	DA	3835	1/1	0.86	0.16	61,61,61,61	0
59	MG	AA	3736	1/1	0.86	0.18	72,72,72,72	0
59	MG	AA	3557	1/1	0.86	0.32	89,89,89,89	0
59	MG	DA	4580	1/1	0.86	0.18	69,69,69,69	0
59	MG	DA	3119	1/1	0.86	0.25	60,60,60,60	0
59	MG	BA	1981	1/1	0.86	0.11	68,68,68,68	0
59	MG	CA	2060	1/1	0.86	0.12	44,44,44,44	0
59	MG	DA	4210	1/1	0.86	0.21	53,53,53,53	0
59	MG	DA	4143	1/1	0.86	0.27	63,63,63,63	0
59	MG	BA	2225	1/1	0.86	0.13	98,98,98,98	0
59	MG	BA	1624	1/1	0.86	0.18	84,84,84,84	0
59	MG	DG	205	1/1	0.86	0.30	64,64,64,64	0
59	MG	BA	2178	1/1	0.86	0.28	141,141,141,141	0
59	MG	CA	1996	1/1	0.86	0.25	94,94,94,94	0
59	MG	BA	2242	1/1	0.86	0.18	57,57,57,57	0
59	MG	DA	3907	1/1	0.86	0.15	83,83,83,83	0
59	MG	CA	1745	1/1	0.86	0.26	56,56,56,56	0
59	MG	AA	3884	1/1	0.86	0.16	94,94,94,94	0
59	MG	AA	3180	1/1	0.86	0.14	62,62,62,62	0
59	MG	DA	4246	1/1	0.86	0.19	64,64,64,64	0
59	MG	DA	3161	1/1	0.86	0.31	55,55,55,55	0
59	MG	CC	124	1/1	0.86	0.30	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3547	1/1	0.86	0.41	68,68,68,68	0
59	MG	DA	4983	1/1	0.86	0.34	53,53,53,53	0
59	MG	AA	3334	1/1	0.86	0.17	46,46,46,46	0
59	MG	AA	3632	1/1	0.86	0.22	43,43,43,43	0
59	MG	AB	217	1/1	0.86	0.37	87,87,87,87	0
59	MG	B1	104	1/1	0.86	0.09	116,116,116,116	0
59	MG	DA	3728	1/1	0.86	0.27	42,42,42,42	0
59	MG	DA	4159	1/1	0.86	0.18	62,62,62,62	0
59	MG	AF	305	1/1	0.86	0.27	89,89,89,89	0
59	MG	CA	2127	1/1	0.86	0.43	88,88,88,88	0
59	MG	DA	3920	1/1	0.86	0.21	50,50,50,50	0
59	MG	DB	225	1/1	0.86	0.14	76,76,76,76	0
59	MG	CA	2268	1/1	0.86	0.27	86,86,86,86	0
59	MG	DA	4961	1/1	0.86	0.21	68,68,68,68	0
59	MG	BA	2092	1/1	0.86	0.15	77,77,77,77	0
59	MG	AA	4105	1/1	0.86	0.10	106,106,106,106	0
59	MG	BA	1768	1/1	0.86	0.20	75,75,75,75	0
59	MG	CA	1919	1/1	0.86	0.13	50,50,50,50	0
59	MG	CA	1732	1/1	0.86	0.17	48,48,48,48	0
59	MG	DA	3751	1/1	0.86	0.17	97,97,97,97	0
59	MG	CA	2048	1/1	0.86	0.15	77,77,77,77	0
59	MG	AA	3213	1/1	0.86	0.18	51,51,51,51	0
59	MG	BA	2152	1/1	0.86	0.20	83,83,83,83	0
59	MG	DA	3864	1/1	0.86	0.15	69,69,69,69	0
59	MG	AA	3612	1/1	0.86	0.28	106,106,106,106	0
59	MG	DA	3465	1/1	0.86	0.38	56,56,56,56	0
59	MG	BA	1784	1/1	0.86	0.09	54,54,54,54	0
59	MG	AA	3925	1/1	0.86	0.17	71,71,71,71	0
59	MG	DA	4127	1/1	0.86	0.29	70,70,70,70	0
59	MG	AA	3054	1/1	0.86	0.10	44,44,44,44	0
59	MG	AA	3628	1/1	0.86	0.35	62,62,62,62	0
59	MG	CA	1988	1/1	0.87	0.10	57,57,57,57	0
59	MG	DA	4583	1/1	0.87	0.17	51,51,51,51	0
59	MG	AA	3499	1/1	0.87	0.29	101,101,101,101	0
59	MG	BA	2207	1/1	0.87	0.42	103,103,103,103	0
59	MG	BA	2114	1/1	0.87	0.10	71,71,71,71	0
59	MG	CA	1878	1/1	0.87	0.15	26,26,26,26	0
59	MG	BA	2268	1/1	0.87	0.17	87,87,87,87	0
59	MG	AB	230	1/1	0.87	0.16	76,76,76,76	0
59	MG	AA	4090	1/1	0.87	0.11	78,78,78,78	0
59	MG	AA	4154	1/1	0.87	0.20	89,89,89,89	0
59	MG	DA	3333	1/1	0.87	0.19	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3975	1/1	0.87	0.14	50,50,50,50	0
59	MG	DA	3424	1/1	0.87	0.12	47,47,47,47	0
59	MG	CQ	104	1/1	0.87	0.08	56,56,56,56	0
59	MG	DA	4571	1/1	0.87	0.15	61,61,61,61	0
59	MG	AA	3329	1/1	0.87	0.12	66,66,66,66	0
59	MG	AA	3830	1/1	0.87	0.08	83,83,83,83	0
59	MG	AA	3036	1/1	0.87	0.07	36,36,36,36	0
59	MG	CA	1865	1/1	0.87	0.19	67,67,67,67	0
59	MG	DA	4720	1/1	0.87	0.13	88,88,88,88	0
59	MG	BA	2096	1/1	0.87	0.27	51,51,51,51	0
59	MG	DA	4029	1/1	0.87	0.16	65,65,65,65	0
59	MG	BC	106	1/1	0.87	0.14	58,58,58,58	0
59	MG	CC	125	1/1	0.87	0.14	52,52,52,52	0
59	MG	DA	3600	1/1	0.87	0.20	59,59,59,59	0
59	MG	BA	2091	1/1	0.87	0.37	108,108,108,108	0
59	MG	AB	215	1/1	0.87	0.14	70,70,70,70	0
59	MG	DA	4422	1/1	0.87	0.31	71,71,71,71	0
59	MG	DA	4604	1/1	0.87	0.17	111,111,111,111	0
59	MG	BA	2080	1/1	0.87	0.12	61,61,61,61	0
59	MG	AA	4084	1/1	0.87	0.08	86,86,86,86	0
59	MG	AA	3529	1/1	0.87	0.15	29,29,29,29	0
59	MG	CC	118	1/1	0.87	0.24	66,66,66,66	0
59	MG	DA	3644	1/1	0.87	0.35	84,84,84,84	0
59	MG	DA	3715	1/1	0.87	0.21	75,75,75,75	0
59	MG	DA	3560	1/1	0.87	0.19	36,36,36,36	0
59	MG	BA	2272	1/1	0.87	0.23	75,75,75,75	0
59	MG	AA	3052	1/1	0.87	0.17	60,60,60,60	0
59	MG	DA	3990	1/1	0.87	0.13	31,31,31,31	0
59	MG	AA	3690	1/1	0.87	0.20	64,64,64,64	0
59	MG	BA	1959	1/1	0.87	0.21	64,64,64,64	0
59	MG	BA	1680	1/1	0.87	0.11	55,55,55,55	0
59	MG	CC	108	1/1	0.87	0.14	57,57,57,57	0
59	MG	AA	4032	1/1	0.87	0.46	102,102,102,102	0
59	MG	AA	3171	1/1	0.87	0.45	50,50,50,50	0
59	MG	C1	104	1/1	0.87	0.24	71,71,71,71	0
59	MG	DA	5063	1/1	0.87	0.39	52,52,52,52	0
59	MG	DA	3496	1/1	0.87	0.14	47,47,47,47	0
59	MG	DA	4794	1/1	0.87	0.35	86,86,86,86	0
59	MG	BA	2171	1/1	0.87	0.34	132,132,132,132	0
59	MG	DA	3522	1/1	0.87	0.35	63,63,63,63	0
59	MG	D7	101	1/1	0.87	0.33	52,52,52,52	0
59	MG	DA	4532	1/1	0.87	0.44	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3815	1/1	0.87	0.21	83,83,83,83	0
59	MG	CA	1627	1/1	0.87	0.24	49,49,49,49	0
59	MG	AT	103	1/1	0.87	0.21	85,85,85,85	0
59	MG	A8	104	1/1	0.87	0.29	68,68,68,68	0
59	MG	DA	4345	1/1	0.87	0.12	58,58,58,58	0
59	MG	BA	2158	1/1	0.87	0.41	77,77,77,77	0
59	MG	CA	1907	1/1	0.87	0.26	66,66,66,66	0
59	MG	DD	301	1/1	0.87	0.41	45,45,45,45	0
59	MG	BA	1700	1/1	0.87	0.23	46,46,46,46	0
59	MG	AA	3540	1/1	0.87	0.27	61,61,61,61	0
59	MG	CA	1950	1/1	0.87	0.21	86,86,86,86	0
59	MG	AA	4080	1/1	0.87	0.47	71,71,71,71	0
59	MG	A7	101	1/1	0.87	0.73	77,77,77,77	0
59	MG	BA	1683	1/1	0.87	0.15	51,51,51,51	0
59	MG	A7	103	1/1	0.87	0.30	45,45,45,45	0
59	MG	DR	204	1/1	0.87	0.19	40,40,40,40	0
59	MG	DA	4218	1/1	0.87	0.10	51,51,51,51	0
59	MG	DA	4522	1/1	0.87	0.25	64,64,64,64	0
59	MG	DA	4909	1/1	0.87	0.26	70,70,70,70	0
59	MG	CG	306	1/1	0.87	0.11	124,124,124,124	0
59	MG	DA	4028	1/1	0.87	0.24	48,48,48,48	0
59	MG	AA	3025	1/1	0.87	0.29	38,38,38,38	0
59	MG	AA	3358	1/1	0.87	0.15	95,95,95,95	0
59	MG	BA	1934	1/1	0.87	0.54	84,84,84,84	0
59	MG	CA	1746	1/1	0.87	0.35	62,62,62,62	0
59	MG	DA	4258	1/1	0.87	0.32	64,64,64,64	0
59	MG	DA	3825	1/1	0.87	0.16	77,77,77,77	0
59	MG	BA	1748	1/1	0.87	0.30	66,66,66,66	0
59	MG	AA	3476	1/1	0.87	0.16	47,47,47,47	0
59	MG	DA	3193	1/1	0.87	0.15	71,71,71,71	0
59	MG	BA	1661	1/1	0.87	0.13	83,83,83,83	0
59	MG	CA	2043	1/1	0.87	0.51	100,100,100,100	0
59	MG	DA	3828	1/1	0.87	0.19	70,70,70,70	0
59	MG	BB	107	1/1	0.87	0.21	83,83,83,83	0
59	MG	BA	1940	1/1	0.87	0.36	79,79,79,79	0
59	MG	AG	201	1/1	0.87	0.12	86,86,86,86	0
59	MG	AA	3772	1/1	0.87	0.15	103,103,103,103	0
59	MG	DA	3690	1/1	0.87	0.27	111,111,111,111	0
59	MG	DA	4414	1/1	0.87	0.16	59,59,59,59	0
59	MG	DB	266	1/1	0.87	0.18	51,51,51,51	0
59	MG	BD	106	1/1	0.87	0.40	91,91,91,91	0
59	MG	BA	1806	1/1	0.87	0.16	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3965	1/1	0.87	0.09	111,111,111,111	0
59	MG	CA	2138	1/1	0.87	0.42	91,91,91,91	0
59	MG	AB	234	1/1	0.87	0.25	105,105,105,105	0
59	MG	DA	4740	1/1	0.87	0.29	78,78,78,78	0
59	MG	DA	3689	1/1	0.87	0.20	67,67,67,67	0
59	MG	AA	4021	1/1	0.87	0.09	80,80,80,80	0
59	MG	DU	213	1/1	0.87	0.34	70,70,70,70	0
59	MG	CA	1817	1/1	0.87	0.14	85,85,85,85	0
59	MG	CA	1729	1/1	0.87	0.27	46,46,46,46	0
59	MG	DA	3874	1/1	0.87	0.51	69,69,69,69	0
59	MG	CA	2215	1/1	0.87	0.19	63,63,63,63	0
59	MG	AA	3439	1/1	0.87	0.15	71,71,71,71	0
59	MG	DA	4281	1/1	0.87	0.22	51,51,51,51	0
59	MG	BA	2026	1/1	0.87	0.11	128,128,128,128	0
59	MG	D0	202	1/1	0.87	0.21	62,62,62,62	0
59	MG	AA	3464	1/1	0.87	0.20	61,61,61,61	0
59	MG	CA	2156	1/1	0.87	0.32	92,92,92,92	0
59	MG	BA	2251	1/1	0.87	0.43	89,89,89,89	0
59	MG	AU	203	1/1	0.87	0.23	74,74,74,74	0
59	MG	BC	115	1/1	0.87	0.13	106,106,106,106	0
59	MG	DB	213	1/1	0.87	0.27	64,64,64,64	0
59	MG	DA	4581	1/1	0.87	0.14	55,55,55,55	0
59	MG	DA	4610	1/1	0.87	0.09	114,114,114,114	0
59	MG	BA	2017	1/1	0.87	0.47	85,85,85,85	0
59	MG	DA	3957	1/1	0.87	0.14	62,62,62,62	0
59	MG	DA	4861	1/1	0.87	0.28	74,74,74,74	0
59	MG	DA	4805	1/1	0.87	0.33	74,74,74,74	0
59	MG	AA	3080	1/1	0.87	0.14	41,41,41,41	0
59	MG	DA	3142	1/1	0.87	0.28	73,73,73,73	0
59	MG	BA	2050	1/1	0.87	0.26	85,85,85,85	0
59	MG	BA	2246	1/1	0.87	0.19	125,125,125,125	0
59	MG	DA	3840	1/1	0.87	0.13	58,58,58,58	0
59	MG	DG	201	1/1	0.87	0.26	68,68,68,68	0
59	MG	DA	4234	1/1	0.87	0.28	37,37,37,37	0
59	MG	DA	4168	1/1	0.87	0.14	33,33,33,33	0
59	MG	AA	4006	1/1	0.87	0.11	65,65,65,65	0
59	MG	BA	1978	1/1	0.87	0.31	73,73,73,73	0
59	MG	AA	3779	1/1	0.87	0.13	86,86,86,86	0
59	MG	DA	4110	1/1	0.87	0.24	51,51,51,51	0
59	MG	BA	2007	1/1	0.87	0.22	106,106,106,106	0
59	MG	BA	1991	1/1	0.87	0.29	91,91,91,91	0
59	MG	AA	3583	1/1	0.87	0.43	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DB	215	1/1	0.87	0.32	66,66,66,66	0
59	MG	DA	4343	1/1	0.87	0.30	58,58,58,58	0
59	MG	BA	1898	1/1	0.87	0.15	49,49,49,49	0
59	MG	DA	4342	1/1	0.87	0.29	93,93,93,93	0
59	MG	AD	311	1/1	0.87	0.13	54,54,54,54	0
59	MG	AA	3960	1/1	0.87	0.17	101,101,101,101	0
59	MG	AA	3229	1/1	0.87	0.19	56,56,56,56	0
59	MG	DA	3256	1/1	0.87	0.23	50,50,50,50	0
59	MG	BA	1896	1/1	0.87	0.07	83,83,83,83	0
59	MG	CA	2201	1/1	0.87	0.09	80,80,80,80	0
59	MG	DA	4958	1/1	0.87	0.16	64,64,64,64	0
59	MG	AE	304	1/1	0.87	0.19	83,83,83,83	0
59	MG	DA	3564	1/1	0.87	0.41	83,83,83,83	0
59	MG	BA	1820	1/1	0.87	0.13	84,84,84,84	0
59	MG	AB	208	1/1	0.87	0.09	57,57,57,57	0
59	MG	DA	4349	1/1	0.87	0.31	77,77,77,77	0
59	MG	CA	1845	1/1	0.87	0.09	108,108,108,108	0
59	MG	DA	3588	1/1	0.87	0.14	54,54,54,54	0
59	MG	BA	1853	1/1	0.87	0.23	103,103,103,103	0
59	MG	BA	1758	1/1	0.87	0.21	54,54,54,54	0
59	MG	DW	101	1/1	0.87	0.26	49,49,49,49	0
59	MG	CA	1961	1/1	0.87	0.30	70,70,70,70	0
59	MG	BA	1668	1/1	0.87	0.12	56,56,56,56	0
59	MG	DA	3656	1/1	0.87	0.24	81,81,81,81	0
59	MG	AA	4018	1/1	0.87	0.34	56,56,56,56	0
59	MG	AA	3863	1/1	0.87	0.18	72,72,72,72	0
59	MG	AA	3590	1/1	0.87	0.10	78,78,78,78	0
59	MG	BA	2210	1/1	0.87	0.09	78,78,78,78	0
59	MG	AA	3611	1/1	0.87	0.08	70,70,70,70	0
59	MG	DA	3623	1/1	0.87	0.33	89,89,89,89	0
59	MG	BA	2197	1/1	0.87	0.25	136,136,136,136	0
59	MG	AA	3294	1/1	0.87	0.13	64,64,64,64	0
59	MG	DA	3263	1/1	0.87	0.15	24,24,24,24	0
59	MG	CA	2309	1/1	0.87	0.31	92,92,92,92	0
59	MG	BA	2201	1/1	0.87	0.29	85,85,85,85	0
59	MG	DA	4051	1/1	0.87	0.22	94,94,94,94	0
59	MG	AA	3461	1/1	0.87	0.19	58,58,58,58	0
59	MG	BA	1888	1/1	0.87	0.28	67,67,67,67	0
59	MG	CA	2022	1/1	0.87	0.32	88,88,88,88	0
59	MG	DA	4821	1/1	0.87	0.14	54,54,54,54	0
59	MG	D1	210	1/1	0.87	0.35	66,66,66,66	0
59	MG	DA	3672	1/1	0.87	0.30	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3795	1/1	0.87	0.13	106,106,106,106	0
59	MG	CA	2056	1/1	0.87	0.64	120,120,120,120	0
59	MG	CK	202	1/1	0.87	0.24	79,79,79,79	0
59	MG	AA	3553	1/1	0.87	0.21	73,73,73,73	0
59	MG	DA	4788	1/1	0.87	0.10	97,97,97,97	0
59	MG	AA	3835	1/1	0.87	0.15	56,56,56,56	0
59	MG	CA	1959	1/1	0.87	0.17	56,56,56,56	0
59	MG	AA	3999	1/1	0.87	0.15	57,57,57,57	0
59	MG	DA	3997	1/1	0.87	0.16	57,57,57,57	0
59	MG	AA	3366	1/1	0.87	0.09	53,53,53,53	0
59	MG	DA	4984	1/1	0.88	0.28	90,90,90,90	0
59	MG	DA	4119	1/1	0.88	0.12	47,47,47,47	0
59	MG	BA	1872	1/1	0.88	0.27	103,103,103,103	0
59	MG	DA	4054	1/1	0.88	0.62	108,108,108,108	0
59	MG	BB	105	1/1	0.88	0.10	85,85,85,85	0
59	MG	DA	3397	1/1	0.88	0.21	65,65,65,65	0
59	MG	CA	2274	1/1	0.88	0.16	54,54,54,54	0
59	MG	DA	4566	1/1	0.88	0.18	64,64,64,64	0
59	MG	CA	2293	1/1	0.88	0.13	80,80,80,80	0
59	MG	DA	3384	1/1	0.88	0.32	56,56,56,56	0
59	MG	CD	107	1/1	0.88	0.16	57,57,57,57	0
59	MG	DA	4083	1/1	0.88	0.23	52,52,52,52	0
59	MG	BA	1714	1/1	0.88	0.23	69,69,69,69	0
59	MG	BA	1767	1/1	0.88	0.16	50,50,50,50	0
59	MG	DA	3634	1/1	0.88	0.24	54,54,54,54	0
59	MG	AA	3661	1/1	0.88	0.26	70,70,70,70	0
59	MG	DA	5000	1/1	0.88	0.45	71,71,71,71	0
59	MG	AA	4076	1/1	0.88	0.07	113,113,113,113	0
59	MG	AA	3713	1/1	0.88	0.20	83,83,83,83	0
59	MG	DA	3595	1/1	0.88	0.23	38,38,38,38	0
59	MG	CA	1982	1/1	0.88	0.19	59,59,59,59	0
59	MG	DA	3933	1/1	0.88	0.36	113,113,113,113	0
59	MG	AB	231	1/1	0.88	0.21	94,94,94,94	0
59	MG	DA	4649	1/1	0.88	0.20	41,41,41,41	0
59	MG	DB	253	1/1	0.88	0.15	74,74,74,74	0
59	MG	AA	3364	1/1	0.88	0.21	57,57,57,57	0
59	MG	CA	1972	1/1	0.88	0.30	68,68,68,68	0
59	MG	DA	4719	1/1	0.88	0.23	54,54,54,54	0
59	MG	DA	4935	1/1	0.88	0.70	105,105,105,105	0
59	MG	DA	3431	1/1	0.88	0.36	61,61,61,61	0
59	MG	DA	4456	1/1	0.88	0.32	59,59,59,59	0
59	MG	CA	1953	1/1	0.88	0.07	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AE	302	1/1	0.88	0.39	74,74,74,74	0
59	MG	DA	4155	1/1	0.88	0.34	89,89,89,89	0
59	MG	CA	1861	1/1	0.88	0.22	87,87,87,87	0
59	MG	DA	3838	1/1	0.88	0.31	80,80,80,80	0
59	MG	BE	303	1/1	0.88	0.17	94,94,94,94	0
59	MG	DA	4211	1/1	0.88	0.20	47,47,47,47	0
59	MG	DE	314	1/1	0.88	0.69	67,67,67,67	0
59	MG	AA	3022	1/1	0.88	0.24	63,63,63,63	0
59	MG	DB	238	1/1	0.88	0.44	100,100,100,100	0
59	MG	BA	1966	1/1	0.88	0.16	82,82,82,82	0
59	MG	DA	4063	1/1	0.88	0.20	52,52,52,52	0
59	MG	BA	2253	1/1	0.88	0.11	103,103,103,103	0
59	MG	DA	5031	1/1	0.88	0.34	68,68,68,68	0
59	MG	DA	3023	1/1	0.88	0.32	57,57,57,57	0
59	MG	DA	3102	1/1	0.88	0.32	61,61,61,61	0
59	MG	DA	4378	1/1	0.88	0.18	48,48,48,48	0
59	MG	DA	4820	1/1	0.88	0.22	56,56,56,56	0
59	MG	DA	3419	1/1	0.88	0.18	32,32,32,32	0
59	MG	AA	3530	1/1	0.88	0.15	50,50,50,50	0
59	MG	DA	4901	1/1	0.88	0.33	84,84,84,84	0
59	MG	AA	3270	1/1	0.88	0.26	72,72,72,72	0
59	MG	DA	3485	1/1	0.88	0.33	77,77,77,77	0
59	MG	AA	3502	1/1	0.88	0.20	55,55,55,55	0
59	MG	CA	1692	1/1	0.88	0.11	51,51,51,51	0
59	MG	DS	204	1/1	0.88	0.43	75,75,75,75	0
59	MG	BA	2047	1/1	0.88	0.18	107,107,107,107	0
59	MG	CA	2004	1/1	0.88	0.13	61,61,61,61	0
59	MG	CA	2211	1/1	0.88	0.48	90,90,90,90	0
59	MG	CA	1926	1/1	0.88	0.12	88,88,88,88	0
59	MG	BA	1990	1/1	0.88	0.20	82,82,82,82	0
59	MG	DV	304	1/1	0.88	0.27	77,77,77,77	0
59	MG	AA	3362	1/1	0.88	0.11	62,62,62,62	0
59	MG	DA	4311	1/1	0.88	0.31	83,83,83,83	0
59	MG	DA	4603	1/1	0.88	0.23	55,55,55,55	0
59	MG	DA	3805	1/1	0.88	0.30	66,66,66,66	0
59	MG	AA	3917	1/1	0.88	0.30	98,98,98,98	0
59	MG	DA	3945	1/1	0.88	0.08	58,58,58,58	0
59	MG	DA	4903	1/1	0.88	0.13	69,69,69,69	0
59	MG	DA	4227	1/1	0.88	0.08	51,51,51,51	0
59	MG	DA	3863	1/1	0.88	0.23	69,69,69,69	0
59	MG	BA	2125	1/1	0.88	0.11	65,65,65,65	0
59	MG	DA	4264	1/1	0.88	0.17	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4726	1/1	0.88	0.29	71,71,71,71	0
59	MG	DA	3570	1/1	0.88	0.38	71,71,71,71	0
59	MG	DA	3215	1/1	0.88	0.19	84,84,84,84	0
59	MG	DA	3892	1/1	0.88	0.51	46,46,46,46	0
59	MG	CA	2040	1/1	0.88	0.15	56,56,56,56	0
59	MG	AA	3770	1/1	0.88	0.11	70,70,70,70	0
59	MG	DA	4869	1/1	0.88	0.24	44,44,44,44	0
59	MG	DA	4506	1/1	0.88	0.30	65,65,65,65	0
59	MG	D5	107	1/1	0.88	0.27	59,59,59,59	0
59	MG	BA	2000	1/1	0.88	0.17	93,93,93,93	0
59	MG	AA	3414	1/1	0.88	0.29	56,56,56,56	0
59	MG	AA	3255	1/1	0.88	0.21	46,46,46,46	0
59	MG	CA	1611	1/1	0.88	0.12	39,39,39,39	0
59	MG	CD	122	1/1	0.88	0.38	84,84,84,84	0
59	MG	CA	1984	1/1	0.88	0.28	49,49,49,49	0
59	MG	DA	4760	1/1	0.88	0.23	55,55,55,55	0
59	MG	BA	2057	1/1	0.88	0.10	103,103,103,103	0
59	MG	AO	204	1/1	0.88	0.27	43,43,43,43	0
59	MG	AA	3963	1/1	0.88	0.20	62,62,62,62	0
59	MG	BA	1667	1/1	0.88	0.22	62,62,62,62	0
59	MG	BA	1864	1/1	0.88	0.09	95,95,95,95	0
59	MG	DA	5028	1/1	0.88	0.18	66,66,66,66	0
59	MG	CA	1902	1/1	0.88	0.21	52,52,52,52	0
59	MG	AA	3083	1/1	0.88	0.15	33,33,33,33	0
59	MG	BA	1734	1/1	0.88	0.14	76,76,76,76	0
59	MG	CA	1702	1/1	0.88	0.14	45,45,45,45	0
59	MG	CE	306	1/1	0.88	0.22	96,96,96,96	0
59	MG	DA	3200	1/1	0.88	0.20	67,67,67,67	0
59	MG	CA	1853	1/1	0.88	0.16	61,61,61,61	0
59	MG	AA	3205	1/1	0.88	0.31	71,71,71,71	0
59	MG	CE	303	1/1	0.88	0.12	83,83,83,83	0
59	MG	DA	3493	1/1	0.88	0.13	50,50,50,50	0
59	MG	DA	4661	1/1	0.88	0.23	76,76,76,76	0
59	MG	DA	4241	1/1	0.88	0.21	55,55,55,55	0
59	MG	BA	2218	1/1	0.88	0.17	80,80,80,80	0
59	MG	CD	121	1/1	0.88	0.10	133,133,133,133	0
59	MG	DA	3474	1/1	0.88	0.26	41,41,41,41	0
59	MG	CA	2116	1/1	0.88	0.14	79,79,79,79	0
59	MG	AA	3622	1/1	0.88	0.11	43,43,43,43	0
59	MG	CB	117	1/1	0.88	0.17	68,68,68,68	0
59	MG	B1	103	1/1	0.88	0.36	67,67,67,67	0
59	MG	CA	2101	1/1	0.88	0.15	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3437	1/1	0.88	0.13	51,51,51,51	0
59	MG	BS	104	1/1	0.88	0.16	76,76,76,76	0
59	MG	AA	3867	1/1	0.88	0.10	41,41,41,41	0
59	MG	DA	4791	1/1	0.88	0.34	69,69,69,69	0
59	MG	AA	4147	1/1	0.88	0.22	66,66,66,66	0
59	MG	DA	3184	1/1	0.88	0.27	40,40,40,40	0
59	MG	DF	311	1/1	0.88	0.28	57,57,57,57	0
59	MG	CA	1789	1/1	0.88	0.05	99,99,99,99	0
59	MG	DA	3226	1/1	0.88	0.21	44,44,44,44	0
59	MG	DA	4236	1/1	0.88	0.12	52,52,52,52	0
59	MG	DB	255	1/1	0.88	0.17	63,63,63,63	0
59	MG	CA	2277	1/1	0.88	0.13	103,103,103,103	0
59	MG	CV	102	1/1	0.88	0.15	63,63,63,63	0
59	MG	BA	1773	1/1	0.88	0.19	80,80,80,80	0
59	MG	DE	303	1/1	0.88	0.21	52,52,52,52	0
59	MG	DA	4857	1/1	0.88	0.20	56,56,56,56	0
59	MG	AA	3979	1/1	0.88	0.34	94,94,94,94	0
59	MG	DA	3136	1/1	0.88	0.27	63,63,63,63	0
59	MG	AA	3994	1/1	0.88	0.11	68,68,68,68	0
59	MG	CA	2058	1/1	0.88	0.20	73,73,73,73	0
59	MG	AA	3816	1/1	0.88	0.44	73,73,73,73	0
59	MG	DH	201	1/1	0.88	0.16	48,48,48,48	0
59	MG	DA	4313	1/1	0.88	0.22	56,56,56,56	0
59	MG	BA	2013	1/1	0.88	0.10	67,67,67,67	0
59	MG	AA	3746	1/1	0.88	0.14	66,66,66,66	0
59	MG	DA	4095	1/1	0.88	0.27	115,115,115,115	0
59	MG	AA	4088	1/1	0.88	0.13	97,97,97,97	0
59	MG	BA	1960	1/1	0.88	0.14	68,68,68,68	0
59	MG	DA	4341	1/1	0.88	0.12	59,59,59,59	0
59	MG	AA	3405	1/1	0.88	0.37	73,73,73,73	0
59	MG	BA	1841	1/1	0.88	0.06	108,108,108,108	0
59	MG	CA	1728	1/1	0.88	0.32	76,76,76,76	0
59	MG	DA	4920	1/1	0.88	0.16	61,61,61,61	0
59	MG	AA	4086	1/1	0.88	0.23	76,76,76,76	0
59	MG	DA	4996	1/1	0.88	0.18	85,85,85,85	0
59	MG	DF	303	1/1	0.88	0.17	28,28,28,28	0
59	MG	CA	1812	1/1	0.88	0.13	45,45,45,45	0
59	MG	BA	1916	1/1	0.88	0.16	56,56,56,56	0
59	MG	DA	4139	1/1	0.88	0.21	36,36,36,36	0
59	MG	DA	4387	1/1	0.88	0.33	57,57,57,57	0
59	MG	D6	102	1/1	0.88	0.15	45,45,45,45	0
59	MG	AA	3818	1/1	0.88	0.34	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4057	1/1	0.88	0.32	87,87,87,87	0
59	MG	DA	3758	1/1	0.88	0.24	100,100,100,100	0
59	MG	DA	3513	1/1	0.88	0.32	50,50,50,50	0
59	MG	CC	103	1/1	0.88	0.12	39,39,39,39	0
59	MG	AA	3181	1/1	0.88	0.20	51,51,51,51	0
59	MG	BA	1689	1/1	0.88	0.07	64,64,64,64	0
59	MG	BA	2261	1/1	0.88	0.07	81,81,81,81	0
59	MG	DA	3492	1/1	0.88	0.25	53,53,53,53	0
59	MG	DA	3414	1/1	0.88	0.25	45,45,45,45	0
59	MG	BA	2227	1/1	0.88	0.32	72,72,72,72	0
59	MG	AA	3536	1/1	0.88	0.24	46,46,46,46	0
59	MG	AA	3637	1/1	0.88	0.12	54,54,54,54	0
59	MG	AA	3974	1/1	0.88	0.12	65,65,65,65	0
59	MG	DA	3881	1/1	0.88	0.51	86,86,86,86	0
59	MG	CA	2034	1/1	0.88	0.24	61,61,61,61	0
59	MG	D8	103	1/1	0.88	0.21	76,76,76,76	0
59	MG	DA	3347	1/1	0.88	0.27	29,29,29,29	0
59	MG	DA	3890	1/1	0.88	0.47	86,86,86,86	0
59	MG	DA	3559	1/1	0.88	0.10	23,23,23,23	0
59	MG	A1	204	1/1	0.88	0.85	65,65,65,65	0
59	MG	AA	3890	1/1	0.88	0.15	103,103,103,103	0
59	MG	AA	3636	1/1	0.88	0.09	48,48,48,48	0
59	MG	D8	104	1/1	0.88	0.55	50,50,50,50	0
59	MG	DA	3713	1/1	0.88	0.36	70,70,70,70	0
59	MG	CA	1756	1/1	0.88	0.15	53,53,53,53	0
59	MG	BA	2085	1/1	0.88	0.46	102,102,102,102	0
59	MG	DW	107	1/1	0.88	0.75	70,70,70,70	0
59	MG	CA	2188	1/1	0.88	0.08	79,79,79,79	0
59	MG	C1	106	1/1	0.88	0.35	89,89,89,89	0
59	MG	BA	2173	1/1	0.88	0.13	98,98,98,98	0
59	MG	BC	101	1/1	0.88	0.13	53,53,53,53	0
59	MG	DB	229	1/1	0.88	0.17	83,83,83,83	0
59	MG	BA	1786	1/1	0.88	0.39	57,57,57,57	0
59	MG	BA	1996	1/1	0.88	0.32	86,86,86,86	0
59	MG	DA	3627	1/1	0.88	0.20	40,40,40,40	0
59	MG	CA	1648	1/1	0.88	0.17	36,36,36,36	0
59	MG	AA	3478	1/1	0.88	0.15	59,59,59,59	0
59	MG	CA	1777	1/1	0.88	0.32	49,49,49,49	0
59	MG	DA	3188	1/1	0.88	0.26	60,60,60,60	0
59	MG	BA	2179	1/1	0.88	0.14	101,101,101,101	0
59	MG	DA	3376	1/1	0.88	0.12	18,18,18,18	0
59	MG	DA	3568	1/1	0.88	0.20	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3703	1/1	0.88	0.08	51,51,51,51	0
59	MG	AA	3356	1/1	0.88	0.12	62,62,62,62	0
59	MG	AA	3041	1/1	0.88	0.10	81,81,81,81	0
59	MG	BD	110	1/1	0.88	0.10	81,81,81,81	0
59	MG	DA	3607	1/1	0.88	0.17	79,79,79,79	0
59	MG	CA	2228	1/1	0.88	0.25	75,75,75,75	0
59	MG	DO	206	1/1	0.88	0.32	51,51,51,51	0
59	MG	AA	3839	1/1	0.88	0.20	63,63,63,63	0
59	MG	DA	4048	1/1	0.88	0.10	75,75,75,75	0
59	MG	CA	2107	1/1	0.89	0.23	73,73,73,73	0
59	MG	DD	311	1/1	0.89	0.13	65,65,65,65	0
59	MG	BA	1812	1/1	0.89	0.27	136,136,136,136	0
59	MG	DA	4077	1/1	0.89	0.20	51,51,51,51	0
59	MG	BA	1963	1/1	0.89	0.13	83,83,83,83	0
59	MG	DA	4918	1/1	0.89	0.14	48,48,48,48	0
59	MG	CA	2037	1/1	0.89	0.32	75,75,75,75	0
59	MG	DA	3827	1/1	0.89	0.14	97,97,97,97	0
59	MG	DA	4105	1/1	0.89	0.17	62,62,62,62	0
59	MG	DA	4521	1/1	0.89	0.16	47,47,47,47	0
59	MG	DA	5040	1/1	0.89	0.31	90,90,90,90	0
59	MG	BA	1715	1/1	0.89	0.28	75,75,75,75	0
59	MG	DA	3692	1/1	0.89	0.07	60,60,60,60	0
59	MG	AA	4081	1/1	0.89	0.31	49,49,49,49	0
59	MG	DA	4099	1/1	0.89	0.10	55,55,55,55	0
59	MG	CA	2011	1/1	0.89	0.16	62,62,62,62	0
59	MG	CA	2292	1/1	0.89	0.11	67,67,67,67	0
59	MG	DA	4103	1/1	0.89	0.46	85,85,85,85	0
59	MG	DA	3604	1/1	0.89	0.13	57,57,57,57	0
59	MG	DB	235	1/1	0.89	0.22	65,65,65,65	0
59	MG	DA	3714	1/1	0.89	0.25	21,21,21,21	0
59	MG	DA	5020	1/1	0.89	0.16	63,63,63,63	0
59	MG	DA	3725	1/1	0.89	0.13	22,22,22,22	0
59	MG	DA	4359	1/1	0.89	0.26	47,47,47,47	0
59	MG	CC	116	1/1	0.89	0.10	66,66,66,66	0
59	MG	BD	120	1/1	0.89	0.46	90,90,90,90	0
59	MG	BA	1919	1/1	0.89	0.30	59,59,59,59	0
59	MG	DA	4634	1/1	0.89	0.44	82,82,82,82	0
59	MG	CK	210	1/1	0.89	0.19	71,71,71,71	0
59	MG	DS	203	1/1	0.89	0.28	54,54,54,54	0
59	MG	CA	1666	1/1	0.89	0.36	60,60,60,60	0
59	MG	DA	4590	1/1	0.89	0.55	81,81,81,81	0
59	MG	CA	1650	1/1	0.89	0.23	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4898	1/1	0.89	0.25	58,58,58,58	0
59	MG	DA	3561	1/1	0.89	0.20	51,51,51,51	0
59	MG	BA	2233	1/1	0.89	0.14	100,100,100,100	0
59	MG	DA	4989	1/1	0.89	0.25	66,66,66,66	0
59	MG	AA	3771	1/1	0.89	0.37	79,79,79,79	0
59	MG	DA	5061	1/1	0.89	0.33	71,71,71,71	0
59	MG	DA	3862	1/1	0.89	0.16	71,71,71,71	0
59	MG	CA	2086	1/1	0.89	0.22	83,83,83,83	0
59	MG	AA	3680	1/1	0.89	0.34	71,71,71,71	0
59	MG	AA	4002	1/1	0.89	0.12	93,93,93,93	0
59	MG	DA	3324	1/1	0.89	0.15	42,42,42,42	0
59	MG	AA	3406	1/1	0.89	0.24	32,32,32,32	0
59	MG	CA	2242	1/1	0.89	0.16	84,84,84,84	0
59	MG	BA	1808	1/1	0.89	0.17	70,70,70,70	0
59	MG	DA	3822	1/1	0.89	0.30	55,55,55,55	0
59	MG	DB	222	1/1	0.89	0.30	43,43,43,43	0
59	MG	DA	3693	1/1	0.89	0.13	108,108,108,108	0
59	MG	DA	3673	1/1	0.89	0.12	61,61,61,61	0
59	MG	CE	301	1/1	0.89	0.25	61,61,61,61	0
59	MG	DA	3172	1/1	0.89	0.28	37,37,37,37	0
59	MG	CA	2206	1/1	0.89	0.12	52,52,52,52	0
59	MG	BW	204	1/1	0.89	0.19	90,90,90,90	0
59	MG	AA	3159	1/1	0.89	0.19	61,61,61,61	0
59	MG	DA	3275	1/1	0.89	0.42	64,64,64,64	0
59	MG	DA	4679	1/1	0.89	0.18	47,47,47,47	0
59	MG	AA	3153	1/1	0.89	0.11	40,40,40,40	0
59	MG	DA	4957	1/1	0.89	0.07	86,86,86,86	0
59	MG	AA	3117	1/1	0.89	0.27	72,72,72,72	0
59	MG	DA	4906	1/1	0.89	0.26	96,96,96,96	0
59	MG	DA	4491	1/1	0.89	0.12	66,66,66,66	0
59	MG	DA	3181	1/1	0.89	0.25	40,40,40,40	0
59	MG	DK	201	1/1	0.89	0.24	71,71,71,71	0
59	MG	CA	1911	1/1	0.89	0.12	56,56,56,56	0
59	MG	DA	4811	1/1	0.89	0.23	97,97,97,97	0
59	MG	CA	2096	1/1	0.89	0.12	60,60,60,60	0
59	MG	DA	4315	1/1	0.89	0.10	67,67,67,67	0
59	MG	CA	2071	1/1	0.89	0.28	100,100,100,100	0
59	MG	DA	4854	1/1	0.89	0.23	66,66,66,66	0
59	MG	BA	2004	1/1	0.89	0.12	69,69,69,69	0
59	MG	CA	1995	1/1	0.89	0.13	48,48,48,48	0
59	MG	DA	4237	1/1	0.89	0.27	78,78,78,78	0
59	MG	CA	1610	1/1	0.89	0.26	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3574	1/1	0.89	0.21	57,57,57,57	0
59	MG	DA	4508	1/1	0.89	0.33	58,58,58,58	0
59	MG	AA	3347	1/1	0.89	0.21	66,66,66,66	0
59	MG	AA	3642	1/1	0.89	0.24	56,56,56,56	0
59	MG	AA	3193	1/1	0.89	0.17	99,99,99,99	0
59	MG	AA	3379	1/1	0.89	0.09	70,70,70,70	0
59	MG	DA	4644	1/1	0.89	0.12	64,64,64,64	0
59	MG	CA	2135	1/1	0.89	0.07	92,92,92,92	0
59	MG	AV	301	1/1	0.89	0.11	67,67,67,67	0
59	MG	AA	3786	1/1	0.89	0.51	107,107,107,107	0
59	MG	DA	5070	1/1	0.89	0.17	51,51,51,51	0
59	MG	CV	101	1/1	0.89	0.09	53,53,53,53	0
59	MG	DA	3517	1/1	0.89	0.10	29,29,29,29	0
59	MG	DA	4804	1/1	0.89	0.31	69,69,69,69	0
59	MG	DA	3816	1/1	0.89	0.47	89,89,89,89	0
59	MG	BA	2088	1/1	0.89	0.33	98,98,98,98	0
59	MG	AA	3836	1/1	0.89	0.29	62,62,62,62	0
59	MG	CA	2073	1/1	0.89	0.35	41,41,41,41	0
59	MG	AA	3225	1/1	0.89	0.11	18,18,18,18	0
59	MG	CA	2061	1/1	0.89	0.21	50,50,50,50	0
59	MG	DA	4229	1/1	0.89	0.22	48,48,48,48	0
59	MG	CA	2000	1/1	0.89	0.10	99,99,99,99	0
59	MG	AA	3800	1/1	0.89	0.10	55,55,55,55	0
59	MG	DF	312	1/1	0.89	0.13	75,75,75,75	0
59	MG	AR	202	1/1	0.89	0.12	64,64,64,64	0
59	MG	CA	1783	1/1	0.89	0.14	56,56,56,56	0
59	MG	BA	1753	1/1	0.89	0.14	69,69,69,69	0
59	MG	DA	3799	1/1	0.89	0.25	83,83,83,83	0
59	MG	DA	3218	1/1	0.89	0.33	47,47,47,47	0
59	MG	BA	1986	1/1	0.89	0.09	78,78,78,78	0
59	MG	CA	2046	1/1	0.89	0.14	67,67,67,67	0
59	MG	DA	4026	1/1	0.89	0.21	55,55,55,55	0
59	MG	DA	3401	1/1	0.89	0.33	45,45,45,45	0
59	MG	AA	3660	1/1	0.89	0.29	68,68,68,68	0
59	MG	AN	201	1/1	0.89	0.34	118,118,118,118	0
59	MG	D2	208	1/1	0.89	0.36	71,71,71,71	0
59	MG	D4	101	1/1	0.89	0.36	96,96,96,96	0
59	MG	DA	3025	1/1	0.89	0.18	44,44,44,44	0
59	MG	AA	4115	1/1	0.89	0.28	73,73,73,73	0
59	MG	AA	3368	1/1	0.89	0.28	87,87,87,87	0
59	MG	CA	1612	1/1	0.89	0.17	57,57,57,57	0
59	MG	CA	2147	1/1	0.89	0.16	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1873	1/1	0.89	0.08	51,51,51,51	0
59	MG	DA	4156	1/1	0.89	0.18	47,47,47,47	0
59	MG	DA	4945	1/1	0.89	0.25	78,78,78,78	0
59	MG	AA	4159	1/1	0.89	0.14	67,67,67,67	0
59	MG	DA	4332	1/1	0.89	0.13	53,53,53,53	0
59	MG	CA	1838	1/1	0.89	0.30	122,122,122,122	0
59	MG	DA	4325	1/1	0.89	0.42	45,45,45,45	0
59	MG	CA	1637	1/1	0.89	0.26	45,45,45,45	0
59	MG	DA	4187	1/1	0.89	0.12	46,46,46,46	0
59	MG	DA	3456	1/1	0.89	0.24	60,60,60,60	0
59	MG	AA	3572	1/1	0.89	0.15	64,64,64,64	0
59	MG	DA	5004	1/1	0.89	0.25	80,80,80,80	0
59	MG	DA	4645	1/1	0.89	0.21	59,59,59,59	0
59	MG	CA	2289	1/1	0.89	0.18	75,75,75,75	0
59	MG	AA	4063	1/1	0.89	0.16	75,75,75,75	0
59	MG	AA	3892	1/1	0.89	0.29	84,84,84,84	0
59	MG	CA	2199	1/1	0.89	0.10	106,106,106,106	0
59	MG	AA	3141	1/1	0.89	0.35	66,66,66,66	0
59	MG	DA	4636	1/1	0.89	0.20	64,64,64,64	0
59	MG	AA	3005	1/1	0.89	0.20	17,17,17,17	0
59	MG	DA	3615	1/1	0.89	0.45	112,112,112,112	0
59	MG	DA	4599	1/1	0.89	0.17	50,50,50,50	0
59	MG	AA	3195	1/1	0.89	0.25	82,82,82,82	0
59	MG	CA	2064	1/1	0.89	0.25	66,66,66,66	0
59	MG	DA	4282	1/1	0.89	0.14	60,60,60,60	0
59	MG	DA	4449	1/1	0.89	0.20	64,64,64,64	0
59	MG	CK	204	1/1	0.89	0.09	60,60,60,60	0
59	MG	CA	1782	1/1	0.89	0.35	50,50,50,50	0
59	MG	D3	103	1/1	0.89	0.22	23,23,23,23	0
59	MG	AA	3220	1/1	0.89	0.17	70,70,70,70	0
59	MG	BA	1603	1/1	0.89	0.39	58,58,58,58	0
59	MG	DB	260	1/1	0.89	0.12	63,63,63,63	0
59	MG	AA	3252	1/1	0.89	0.19	38,38,38,38	0
59	MG	BA	1677	1/1	0.89	0.26	52,52,52,52	0
59	MG	DA	4900	1/1	0.89	0.45	76,76,76,76	0
59	MG	DA	4529	1/1	0.89	0.29	75,75,75,75	0
59	MG	DB	237	1/1	0.89	0.10	57,57,57,57	0
59	MG	DA	4484	1/1	0.89	0.35	50,50,50,50	0
59	MG	DA	4019	1/1	0.89	0.14	91,91,91,91	0
59	MG	BA	2241	1/1	0.89	0.22	78,78,78,78	0
59	MG	DA	4248	1/1	0.89	0.50	89,89,89,89	0
59	MG	AA	3791	1/1	0.89	0.25	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3364	1/1	0.89	0.28	54,54,54,54	0
59	MG	DA	3095	1/1	0.89	0.29	27,27,27,27	0
59	MG	BA	2027	1/1	0.89	0.24	107,107,107,107	0
59	MG	DA	4646	1/1	0.89	0.21	69,69,69,69	0
59	MG	AA	3425	1/1	0.89	0.15	44,44,44,44	0
59	MG	DA	3405	1/1	0.89	0.22	43,43,43,43	0
59	MG	AA	3933	1/1	0.89	0.43	115,115,115,115	0
59	MG	BA	1974	1/1	0.89	0.28	109,109,109,109	0
59	MG	BA	1706	1/1	0.89	0.29	52,52,52,52	0
59	MG	DA	4273	1/1	0.89	0.28	74,74,74,74	0
59	MG	AA	3215	1/1	0.89	0.16	72,72,72,72	0
59	MG	CA	1776	1/1	0.89	0.41	62,62,62,62	0
59	MG	CA	2310	1/1	0.89	0.12	127,127,127,127	0
59	MG	DA	4262	1/1	0.89	0.24	47,47,47,47	0
59	MG	DA	4480	1/1	0.89	0.28	77,77,77,77	0
59	MG	AA	3651	1/1	0.89	0.17	41,41,41,41	0
59	MG	DA	4294	1/1	0.89	0.11	83,83,83,83	0
59	MG	BA	1737	1/1	0.89	0.27	59,59,59,59	0
59	MG	DA	4813	1/1	0.89	0.38	78,78,78,78	0
59	MG	BA	2020	1/1	0.89	0.13	90,90,90,90	0
59	MG	DA	4394	1/1	0.89	0.44	69,69,69,69	0
59	MG	BA	2226	1/1	0.89	0.39	101,101,101,101	0
59	MG	CA	2018	1/1	0.89	0.33	106,106,106,106	0
59	MG	DA	3971	1/1	0.89	0.21	66,66,66,66	0
59	MG	CC	127	1/1	0.89	0.49	89,89,89,89	0
59	MG	CA	1778	1/1	0.89	0.39	69,69,69,69	0
59	MG	DA	3417	1/1	0.89	0.20	62,62,62,62	0
59	MG	DA	3954	1/1	0.89	0.44	52,52,52,52	0
59	MG	CC	114	1/1	0.89	0.12	73,73,73,73	0
59	MG	CA	2298	1/1	0.89	0.09	68,68,68,68	0
59	MG	AA	3683	1/1	0.89	0.16	46,46,46,46	0
59	MG	DA	4754	1/1	0.89	0.29	71,71,71,71	0
59	MG	DA	4266	1/1	0.89	0.13	64,64,64,64	0
59	MG	DA	4250	1/1	0.89	0.30	49,49,49,49	0
59	MG	DF	305	1/1	0.89	0.10	54,54,54,54	0
59	MG	DA	3281	1/1	0.89	0.21	38,38,38,38	0
59	MG	AA	3289	1/1	0.89	0.24	90,90,90,90	0
59	MG	DA	3446	1/1	0.89	0.24	66,66,66,66	0
59	MG	DA	3152	1/1	0.89	0.24	52,52,52,52	0
59	MG	AA	3784	1/1	0.89	0.21	64,64,64,64	0
59	MG	CA	2232	1/1	0.89	0.35	86,86,86,86	0
59	MG	DA	4622	1/1	0.89	0.37	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3947	1/1	0.89	0.07	72,72,72,72	0
59	MG	DA	3259	1/1	0.89	0.34	60,60,60,60	0
59	MG	DA	4876	1/1	0.89	0.30	61,61,61,61	0
59	MG	CG	304	1/1	0.89	0.10	95,95,95,95	0
59	MG	DA	5069	1/1	0.89	0.14	66,66,66,66	0
59	MG	D8	105	1/1	0.89	0.35	44,44,44,44	0
59	MG	CA	2087	1/1	0.89	0.23	95,95,95,95	0
59	MG	BA	2041	1/1	0.89	0.44	91,91,91,91	0
59	MG	DA	4938	1/1	0.89	0.12	55,55,55,55	0
59	MG	CA	1708	1/1	0.89	0.19	58,58,58,58	0
59	MG	CA	2014	1/1	0.89	0.10	56,56,56,56	0
59	MG	DA	4732	1/1	0.89	0.11	71,71,71,71	0
59	MG	AA	3546	1/1	0.89	0.31	52,52,52,52	0
59	MG	CH	203	1/1	0.89	0.29	70,70,70,70	0
59	MG	AA	3068	1/1	0.89	0.10	40,40,40,40	0
59	MG	DA	4637	1/1	0.89	0.24	80,80,80,80	0
59	MG	BA	1626	1/1	0.89	0.30	68,68,68,68	0
59	MG	AF	302	1/1	0.89	0.18	69,69,69,69	0
59	MG	DA	3669	1/1	0.89	0.20	68,68,68,68	0
59	MG	DD	307	1/1	0.89	0.34	50,50,50,50	0
59	MG	DA	3372	1/1	0.89	0.18	54,54,54,54	0
59	MG	AA	3876	1/1	0.89	0.16	67,67,67,67	0
59	MG	CG	308	1/1	0.89	0.26	100,100,100,100	0
59	MG	AA	3808	1/1	0.89	0.17	75,75,75,75	0
59	MG	AA	4055	1/1	0.89	0.35	110,110,110,110	0
59	MG	AA	3955	1/1	0.89	0.30	66,66,66,66	0
59	MG	AA	4123	1/1	0.89	0.14	55,55,55,55	0
59	MG	AA	3982	1/1	0.89	0.11	71,71,71,71	0
59	MG	AU	205	1/1	0.90	0.18	69,69,69,69	0
59	MG	DA	5057	1/1	0.90	0.57	97,97,97,97	0
59	MG	DA	4880	1/1	0.90	0.20	110,110,110,110	0
59	MG	BA	1835	1/1	0.90	0.26	72,72,72,72	0
59	MG	AA	3056	1/1	0.90	0.13	63,63,63,63	0
59	MG	DA	3732	1/1	0.90	0.43	60,60,60,60	0
59	MG	DA	4525	1/1	0.90	0.21	108,108,108,108	0
59	MG	AK	201	1/1	0.90	0.22	64,64,64,64	0
59	MG	DA	4148	1/1	0.90	0.39	63,63,63,63	0
59	MG	DA	4326	1/1	0.90	0.28	56,56,56,56	0
59	MG	AA	3794	1/1	0.90	0.17	70,70,70,70	0
59	MG	CA	2145	1/1	0.90	0.22	80,80,80,80	0
59	MG	BA	2117	1/1	0.90	0.25	109,109,109,109	0
59	MG	AA	4078	1/1	0.90	0.11	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	5006	1/1	0.90	0.18	61,61,61,61	0
59	MG	DA	4482	1/1	0.90	0.41	80,80,80,80	0
59	MG	CA	1625	1/1	0.90	0.36	68,68,68,68	0
59	MG	AA	3748	1/1	0.90	0.09	84,84,84,84	0
59	MG	AA	3135	1/1	0.90	0.20	19,19,19,19	0
59	MG	AA	4101	1/1	0.90	0.27	99,99,99,99	0
59	MG	BA	1909	1/1	0.90	0.34	66,66,66,66	0
59	MG	CA	2265	1/1	0.90	0.09	64,64,64,64	0
59	MG	CA	2238	1/1	0.90	0.26	65,65,65,65	0
59	MG	CA	2133	1/1	0.90	0.12	67,67,67,67	0
59	MG	BA	1975	1/1	0.90	0.30	109,109,109,109	0
59	MG	BA	1922	1/1	0.90	0.11	71,71,71,71	0
59	MG	DA	4975	1/1	0.90	0.19	78,78,78,78	0
59	MG	AA	3918	1/1	0.90	0.12	90,90,90,90	0
59	MG	DA	3940	1/1	0.90	0.24	64,64,64,64	0
59	MG	DA	3294	1/1	0.90	0.16	28,28,28,28	0
59	MG	AA	4143	1/1	0.90	0.49	112,112,112,112	0
59	MG	CB	118	1/1	0.90	0.09	73,73,73,73	0
59	MG	AA	3862	1/1	0.90	0.21	75,75,75,75	0
59	MG	DA	4766	1/1	0.90	0.21	67,67,67,67	0
59	MG	BD	118	1/1	0.90	0.24	107,107,107,107	0
59	MG	CA	2264	1/1	0.90	0.27	77,77,77,77	0
59	MG	DP	203	1/1	0.90	0.39	92,92,92,92	0
59	MG	DA	3684	1/1	0.90	0.42	56,56,56,56	0
59	MG	CA	1992	1/1	0.90	0.11	77,77,77,77	0
59	MG	BA	1958	1/1	0.90	0.08	80,80,80,80	0
59	MG	DA	3781	1/1	0.90	0.13	73,73,73,73	0
59	MG	AA	3067	1/1	0.90	0.16	37,37,37,37	0
59	MG	AA	3514	1/1	0.90	0.34	49,49,49,49	0
59	MG	BA	1979	1/1	0.90	0.22	73,73,73,73	0
59	MG	DA	4759	1/1	0.90	0.32	91,91,91,91	0
59	MG	AA	3604	1/1	0.90	0.09	74,74,74,74	0
59	MG	DA	4396	1/1	0.90	0.47	85,85,85,85	0
59	MG	DA	3542	1/1	0.90	0.25	51,51,51,51	0
59	MG	AB	203	1/1	0.90	0.20	37,37,37,37	0
59	MG	AA	3470	1/1	0.90	0.20	76,76,76,76	0
59	MG	DA	4849	1/1	0.90	0.25	55,55,55,55	0
59	MG	CP	202	1/1	0.90	0.16	63,63,63,63	0
59	MG	BA	2076	1/1	0.90	0.13	85,85,85,85	0
59	MG	DA	3352	1/1	0.90	0.44	80,80,80,80	0
59	MG	AA	4027	1/1	0.90	0.22	72,72,72,72	0
59	MG	AA	3239	1/1	0.90	0.07	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DZ	103	1/1	0.90	0.14	87,87,87,87	0
59	MG	BA	1980	1/1	0.90	0.09	102,102,102,102	0
59	MG	AA	3983	1/1	0.90	0.27	126,126,126,126	0
59	MG	DA	4737	1/1	0.90	0.22	85,85,85,85	0
59	MG	DA	3252	1/1	0.90	0.24	29,29,29,29	0
59	MG	BA	2192	1/1	0.90	0.17	102,102,102,102	0
59	MG	DA	3393	1/1	0.90	0.45	88,88,88,88	0
59	MG	DA	4503	1/1	0.90	0.28	96,96,96,96	0
59	MG	BA	2086	1/1	0.90	0.21	83,83,83,83	0
59	MG	BA	2202	1/1	0.90	0.41	87,87,87,87	0
59	MG	DA	3584	1/1	0.90	0.23	63,63,63,63	0
59	MG	DA	4038	1/1	0.90	0.54	103,103,103,103	0
59	MG	DA	4547	1/1	0.90	0.23	46,46,46,46	0
59	MG	DA	3374	1/1	0.90	0.17	84,84,84,84	0
59	MG	BA	1775	1/1	0.90	0.38	93,93,93,93	0
59	MG	AA	3913	1/1	0.90	0.14	38,38,38,38	0
59	MG	BA	1675	1/1	0.90	0.10	28,28,28,28	0
59	MG	DA	4862	1/1	0.90	0.12	66,66,66,66	0
59	MG	DA	4224	1/1	0.90	0.09	90,90,90,90	0
59	MG	DA	4108	1/1	0.90	0.21	74,74,74,74	0
59	MG	DA	3123	1/1	0.90	0.42	65,65,65,65	0
59	MG	DA	3767	1/1	0.90	0.45	88,88,88,88	0
59	MG	DA	4692	1/1	0.90	0.33	74,74,74,74	0
59	MG	AA	3211	1/1	0.90	0.32	56,56,56,56	0
59	MG	BA	1738	1/1	0.90	0.28	59,59,59,59	0
59	MG	DA	4369	1/1	0.90	0.38	78,78,78,78	0
59	MG	AA	3549	1/1	0.90	0.17	44,44,44,44	0
59	MG	DA	3147	1/1	0.90	0.15	45,45,45,45	0
59	MG	BA	2012	1/1	0.90	0.41	72,72,72,72	0
59	MG	DA	3620	1/1	0.90	0.19	58,58,58,58	0
59	MG	CA	1863	1/1	0.90	0.17	66,66,66,66	0
59	MG	CA	2306	1/1	0.90	0.39	90,90,90,90	0
59	MG	AA	3145	1/1	0.90	0.25	61,61,61,61	0
59	MG	DA	4217	1/1	0.90	0.24	57,57,57,57	0
59	MG	DA	4052	1/1	0.90	0.16	178,178,178,178	0
59	MG	DA	4438	1/1	0.90	0.40	89,89,89,89	0
59	MG	AA	3679	1/1	0.90	0.42	70,70,70,70	0
59	MG	DA	3221	1/1	0.90	0.32	43,43,43,43	0
59	MG	AA	3386	1/1	0.90	0.11	51,51,51,51	0
59	MG	DA	4034	1/1	0.90	0.39	71,71,71,71	0
59	MG	DA	4365	1/1	0.90	0.31	61,61,61,61	0
59	MG	DA	4683	1/1	0.90	0.32	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3448	1/1	0.90	0.28	40,40,40,40	0
59	MG	DA	3373	1/1	0.90	0.33	40,40,40,40	0
59	MG	BA	1778	1/1	0.90	0.37	49,49,49,49	0
59	MG	DA	4655	1/1	0.90	0.13	79,79,79,79	0
59	MG	CA	2070	1/1	0.90	0.10	68,68,68,68	0
59	MG	CA	1672	1/1	0.90	0.27	57,57,57,57	0
59	MG	CA	1661	1/1	0.90	0.31	59,59,59,59	0
59	MG	DA	4081	1/1	0.90	0.15	67,67,67,67	0
59	MG	DA	4830	1/1	0.90	0.30	64,64,64,64	0
59	MG	DA	4942	1/1	0.90	0.09	82,82,82,82	0
59	MG	D8	101	1/1	0.90	0.17	42,42,42,42	0
59	MG	DA	4510	1/1	0.90	0.38	78,78,78,78	0
59	MG	AA	3027	1/1	0.90	0.17	60,60,60,60	0
59	MG	DA	3368	1/1	0.90	0.19	31,31,31,31	0
59	MG	DA	4895	1/1	0.90	0.21	77,77,77,77	0
59	MG	DG	204	1/1	0.90	0.50	104,104,104,104	0
59	MG	DN	202	1/1	0.90	0.12	65,65,65,65	0
59	MG	CA	2148	1/1	0.90	0.13	69,69,69,69	0
59	MG	CA	2081	1/1	0.90	0.18	107,107,107,107	0
59	MG	DA	4652	1/1	0.90	0.17	71,71,71,71	0
59	MG	DA	3270	1/1	0.90	0.25	90,90,90,90	0
59	MG	DA	4588	1/1	0.90	0.38	41,41,41,41	0
59	MG	BA	1750	1/1	0.90	0.29	65,65,65,65	0
59	MG	BA	1754	1/1	0.90	0.21	68,68,68,68	0
59	MG	DA	3594	1/1	0.90	0.09	49,49,49,49	0
59	MG	DA	3253	1/1	0.90	0.16	15,15,15,15	0
59	MG	AA	3856	1/1	0.90	0.32	86,86,86,86	0
59	MG	DA	3342	1/1	0.90	0.30	55,55,55,55	0
59	MG	AA	3436	1/1	0.90	0.24	127,127,127,127	0
59	MG	DA	3131	1/1	0.90	0.17	32,32,32,32	0
59	MG	AA	3525	1/1	0.90	0.13	36,36,36,36	0
59	MG	BA	2082	1/1	0.90	0.16	96,96,96,96	0
59	MG	BC	111	1/1	0.90	0.08	63,63,63,63	0
59	MG	DA	3173	1/1	0.90	0.18	36,36,36,36	0
59	MG	AA	3272	1/1	0.90	0.31	54,54,54,54	0
59	MG	DA	3050	1/1	0.90	0.11	46,46,46,46	0
59	MG	BG	305	1/1	0.90	0.23	70,70,70,70	0
59	MG	BA	2105	1/1	0.90	0.17	117,117,117,117	0
59	MG	DA	3480	1/1	0.90	0.18	46,46,46,46	0
59	MG	CA	2267	1/1	0.90	0.25	80,80,80,80	0
59	MG	CA	1771	1/1	0.90	0.21	44,44,44,44	0
59	MG	AA	3537	1/1	0.90	0.65	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2116	1/1	0.90	0.06	54,54,54,54	0
59	MG	DA	3743	1/1	0.90	0.40	65,65,65,65	0
59	MG	CA	1857	1/1	0.90	0.27	105,105,105,105	0
59	MG	CA	2069	1/1	0.90	0.09	74,74,74,74	0
59	MG	DA	4374	1/1	0.90	0.49	77,77,77,77	0
59	MG	DQ	201	1/1	0.90	0.18	51,51,51,51	0
59	MG	DA	3143	1/1	0.90	0.37	61,61,61,61	0
59	MG	CA	1660	1/1	0.90	0.27	79,79,79,79	0
59	MG	BA	1645	1/1	0.90	0.30	88,88,88,88	0
59	MG	DA	4163	1/1	0.90	0.14	55,55,55,55	0
59	MG	DA	4245	1/1	0.90	0.18	73,73,73,73	0
59	MG	AA	3560	1/1	0.90	0.20	37,37,37,37	0
59	MG	BA	2129	1/1	0.90	0.08	75,75,75,75	0
59	MG	DA	5030	1/1	0.90	0.45	93,93,93,93	0
59	MG	BA	1924	1/1	0.90	0.45	78,78,78,78	0
59	MG	CA	2256	1/1	0.90	0.24	110,110,110,110	0
59	MG	CA	2134	1/1	0.90	0.22	89,89,89,89	0
59	MG	CA	1901	1/1	0.90	0.20	65,65,65,65	0
59	MG	DB	257	1/1	0.90	0.24	57,57,57,57	0
59	MG	DA	4304	1/1	0.90	0.23	94,94,94,94	0
59	MG	AA	3103	1/1	0.90	0.17	45,45,45,45	0
59	MG	DA	4715	1/1	0.90	0.31	58,58,58,58	0
59	MG	DA	5025	1/1	0.90	0.22	100,100,100,100	0
59	MG	AA	3573	1/1	0.90	0.20	44,44,44,44	0
59	MG	AA	3278	1/1	0.90	0.28	59,59,59,59	0
59	MG	BA	1893	1/1	0.90	0.07	54,54,54,54	0
59	MG	BA	1950	1/1	0.90	0.23	62,62,62,62	0
59	MG	CA	1821	1/1	0.90	0.07	51,51,51,51	0
59	MG	AA	4146	1/1	0.90	0.22	90,90,90,90	0
59	MG	DA	5062	1/1	0.90	0.30	94,94,94,94	0
59	MG	AA	3893	1/1	0.90	0.15	67,67,67,67	0
59	MG	AA	3723	1/1	0.90	0.37	79,79,79,79	0
59	MG	BA	1633	1/1	0.90	0.20	45,45,45,45	0
59	MG	AA	3337	1/1	0.90	0.23	51,51,51,51	0
59	MG	AA	3788	1/1	0.90	0.21	87,87,87,87	0
59	MG	CA	2247	1/1	0.90	0.15	103,103,103,103	0
59	MG	AA	3578	1/1	0.90	0.15	33,33,33,33	0
59	MG	DA	5017	1/1	0.90	0.18	55,55,55,55	0
59	MG	BG	304	1/1	0.90	0.40	79,79,79,79	0
59	MG	BA	1973	1/1	0.90	0.09	81,81,81,81	0
59	MG	AA	3475	1/1	0.90	0.30	85,85,85,85	0
59	MG	DA	4792	1/1	0.90	0.21	113,113,113,113	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4568	1/1	0.90	0.29	55,55,55,55	0
59	MG	AA	3950	1/1	0.90	0.06	63,63,63,63	0
59	MG	DA	3662	1/1	0.90	0.25	73,73,73,73	0
59	MG	BA	1813	1/1	0.90	0.10	94,94,94,94	0
59	MG	AB	201	1/1	0.90	0.14	42,42,42,42	0
59	MG	DA	4354	1/1	0.90	0.31	65,65,65,65	0
59	MG	DA	3455	1/1	0.90	0.33	58,58,58,58	0
59	MG	DD	308	1/1	0.90	0.68	53,53,53,53	0
59	MG	AA	3968	1/1	0.90	0.12	77,77,77,77	0
59	MG	CA	1726	1/1	0.90	0.18	48,48,48,48	0
59	MG	AU	201	1/1	0.90	0.20	51,51,51,51	0
59	MG	CC	120	1/1	0.90	0.28	44,44,44,44	0
59	MG	DA	4870	1/1	0.90	0.16	82,82,82,82	0
59	MG	A8	103	1/1	0.90	0.13	62,62,62,62	0
59	MG	DT	104	1/1	0.90	0.33	74,74,74,74	0
59	MG	CA	2020	1/1	0.90	0.17	67,67,67,67	0
59	MG	DT	105	1/1	0.90	0.32	84,84,84,84	0
59	MG	DA	4764	1/1	0.90	0.49	85,85,85,85	0
59	MG	DA	3603	1/1	0.90	0.29	20,20,20,20	0
59	MG	DA	5071	1/1	0.90	0.30	101,101,101,101	0
59	MG	DA	4964	1/1	0.90	0.20	73,73,73,73	0
59	MG	DA	3468	1/1	0.90	0.20	49,49,49,49	0
59	MG	D1	211	1/1	0.90	0.33	49,49,49,49	0
59	MG	DA	3531	1/1	0.90	0.23	53,53,53,53	0
59	MG	DA	3284	1/1	0.90	0.20	27,27,27,27	0
59	MG	DA	5001	1/1	0.90	0.21	75,75,75,75	0
59	MG	BA	2266	1/1	0.90	0.14	91,91,91,91	0
59	MG	AA	3769	1/1	0.90	0.09	80,80,80,80	0
59	MG	AA	3829	1/1	0.90	0.08	88,88,88,88	0
59	MG	BA	2174	1/1	0.90	0.40	125,125,125,125	0
59	MG	AA	3241	1/1	0.90	0.15	59,59,59,59	0
59	MG	DA	4117	1/1	0.90	0.29	58,58,58,58	0
59	MG	AA	3538	1/1	0.90	0.15	45,45,45,45	0
59	MG	DA	3290	1/1	0.90	0.22	33,33,33,33	0
59	MG	AA	4058	1/1	0.90	0.15	63,63,63,63	0
59	MG	AA	3044	1/1	0.90	0.32	36,36,36,36	0
59	MG	AF	303	1/1	0.90	0.12	68,68,68,68	0
59	MG	DA	4509	1/1	0.90	0.29	64,64,64,64	0
59	MG	CA	1842	1/1	0.90	0.13	78,78,78,78	0
59	MG	DA	4967	1/1	0.90	0.17	74,74,74,74	0
59	MG	AZ	103	1/1	0.90	0.13	75,75,75,75	0
59	MG	D3	106	1/1	0.90	0.36	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3453	1/1	0.90	0.23	56,56,56,56	0
59	MG	DA	3387	1/1	0.90	0.13	47,47,47,47	0
59	MG	AA	3357	1/1	0.90	1.30	91,91,91,91	0
59	MG	BA	1745	1/1	0.90	0.25	38,38,38,38	0
59	MG	BA	2002	1/1	0.90	0.23	73,73,73,73	0
59	MG	AA	3409	1/1	0.90	0.21	56,56,56,56	0
59	MG	AA	3247	1/1	0.90	0.11	47,47,47,47	0
59	MG	DA	3875	1/1	0.90	0.33	116,116,116,116	0
59	MG	AB	204	1/1	0.90	0.07	54,54,54,54	0
59	MG	DB	258	1/1	0.90	0.38	77,77,77,77	0
59	MG	DA	3651	1/1	0.90	0.18	40,40,40,40	0
59	MG	AA	3949	1/1	0.90	0.06	71,71,71,71	0
59	MG	BA	2109	1/1	0.90	0.43	93,93,93,93	0
59	MG	DE	313	1/1	0.90	0.20	73,73,73,73	0
59	MG	AA	3106	1/1	0.90	0.18	17,17,17,17	0
59	MG	CA	1704	1/1	0.90	0.23	46,46,46,46	0
59	MG	AA	4069	1/1	0.90	0.21	80,80,80,80	0
59	MG	DA	4608	1/1	0.90	0.17	47,47,47,47	0
59	MG	DA	3390	1/1	0.90	0.17	83,83,83,83	0
59	MG	BA	1955	1/1	0.90	0.30	74,74,74,74	0
59	MG	DA	4591	1/1	0.90	0.30	107,107,107,107	0
59	MG	DA	3149	1/1	0.90	0.19	18,18,18,18	0
59	MG	DA	3735	1/1	0.90	0.26	76,76,76,76	0
59	MG	CA	1974	1/1	0.90	0.08	55,55,55,55	0
59	MG	CA	2239	1/1	0.90	0.13	65,65,65,65	0
59	MG	AA	3172	1/1	0.90	0.21	67,67,67,67	0
59	MG	CA	2157	1/1	0.90	0.21	79,79,79,79	0
59	MG	DA	3229	1/1	0.90	0.10	33,33,33,33	0
59	MG	DA	3851	1/1	0.90	0.23	72,72,72,72	0
59	MG	CA	2053	1/1	0.90	0.14	74,74,74,74	0
59	MG	CA	1744	1/1	0.90	0.18	55,55,55,55	0
59	MG	BA	2133	1/1	0.90	0.15	122,122,122,122	0
59	MG	DA	4408	1/1	0.90	0.23	54,54,54,54	0
59	MG	DA	4446	1/1	0.90	0.11	54,54,54,54	0
59	MG	AA	3261	1/1	0.90	0.16	40,40,40,40	0
59	MG	CA	2279	1/1	0.90	0.22	67,67,67,67	0
59	MG	AA	3008	1/1	0.90	0.24	31,31,31,31	0
59	MG	BM	202	1/1	0.90	0.32	81,81,81,81	0
59	MG	CA	1833	1/1	0.90	0.06	57,57,57,57	0
59	MG	AA	3671	1/1	0.90	0.22	102,102,102,102	0
59	MG	DA	4164	1/1	0.90	0.13	29,29,29,29	0
59	MG	AA	3446	1/1	0.90	0.36	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4884	1/1	0.90	0.16	73,73,73,73	0
59	MG	AA	4028	1/1	0.91	0.23	81,81,81,81	0
59	MG	DA	4738	1/1	0.91	0.10	55,55,55,55	0
59	MG	AA	3647	1/1	0.91	0.12	25,25,25,25	0
59	MG	CA	1965	1/1	0.91	0.06	81,81,81,81	0
59	MG	DA	3223	1/1	0.91	0.34	45,45,45,45	0
59	MG	DU	210	1/1	0.91	0.42	107,107,107,107	0
59	MG	AQ	201	1/1	0.91	0.18	56,56,56,56	0
59	MG	DA	3299	1/1	0.91	0.14	33,33,33,33	0
59	MG	CA	1909	1/1	0.91	0.33	69,69,69,69	0
59	MG	D5	108	1/1	0.91	0.34	63,63,63,63	0
59	MG	AD	302	1/1	0.91	0.17	71,71,71,71	0
59	MG	CA	1924	1/1	0.91	0.16	88,88,88,88	0
59	MG	BA	2035	1/1	0.91	0.15	91,91,91,91	0
59	MG	DA	4254	1/1	0.91	0.46	83,83,83,83	0
59	MG	DA	4039	1/1	0.91	0.36	75,75,75,75	0
59	MG	BA	2134	1/1	0.91	0.09	62,62,62,62	0
59	MG	DA	3960	1/1	0.91	0.17	54,54,54,54	0
59	MG	DA	3434	1/1	0.91	0.23	41,41,41,41	0
59	MG	BA	2228	1/1	0.91	0.22	98,98,98,98	0
59	MG	AA	3929	1/1	0.91	0.07	104,104,104,104	0
59	MG	DA	3685	1/1	0.91	0.22	59,59,59,59	0
59	MG	DA	3340	1/1	0.91	0.24	37,37,37,37	0
59	MG	CA	1764	1/1	0.91	0.08	48,48,48,48	0
59	MG	DA	3543	1/1	0.91	0.28	62,62,62,62	0
59	MG	CA	1975	1/1	0.91	0.33	71,71,71,71	0
59	MG	DA	4330	1/1	0.91	0.14	56,56,56,56	0
59	MG	DA	4290	1/1	0.91	0.45	74,74,74,74	0
59	MG	BA	2168	1/1	0.91	0.08	73,73,73,73	0
59	MG	CA	1793	1/1	0.91	0.15	74,74,74,74	0
59	MG	DA	3463	1/1	0.91	0.39	61,61,61,61	0
59	MG	CA	1616	1/1	0.91	0.23	39,39,39,39	0
59	MG	AA	4061	1/1	0.91	0.27	79,79,79,79	0
59	MG	A1	205	1/1	0.91	0.26	79,79,79,79	0
59	MG	AA	4098	1/1	0.91	0.48	83,83,83,83	0
59	MG	BA	1863	1/1	0.91	0.05	81,81,81,81	0
59	MG	BT	202	1/1	0.91	0.10	76,76,76,76	0
59	MG	AA	3503	1/1	0.91	0.17	23,23,23,23	0
59	MG	AA	3221	1/1	0.91	0.33	63,63,63,63	0
59	MG	AA	3663	1/1	0.91	0.24	61,61,61,61	0
59	MG	CA	2140	1/1	0.91	0.07	110,110,110,110	0
59	MG	BA	1999	1/1	0.91	0.19	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3559	1/1	0.91	0.19	50,50,50,50	0
59	MG	BA	2049	1/1	0.91	0.24	55,55,55,55	0
59	MG	AA	4166	1/1	0.91	0.16	142,142,142,142	0
59	MG	AA	3074	1/1	0.91	0.23	51,51,51,51	0
59	MG	AA	3431	1/1	0.91	0.14	53,53,53,53	0
59	MG	BB	113	1/1	0.91	0.16	142,142,142,142	0
59	MG	DA	3464	1/1	0.91	0.29	53,53,53,53	0
59	MG	CM	201	1/1	0.91	0.22	74,74,74,74	0
59	MG	DA	4268	1/1	0.91	0.18	58,58,58,58	0
59	MG	AA	3471	1/1	0.91	0.17	77,77,77,77	0
59	MG	BA	1671	1/1	0.91	0.25	50,50,50,50	0
59	MG	DA	3166	1/1	0.91	0.29	56,56,56,56	0
59	MG	BA	1897	1/1	0.91	0.21	65,65,65,65	0
59	MG	DA	4319	1/1	0.91	0.23	67,67,67,67	0
59	MG	DA	5072	1/1	0.91	0.15	58,58,58,58	0
59	MG	DA	4558	1/1	0.91	0.26	86,86,86,86	0
59	MG	DA	4193	1/1	0.91	0.59	78,78,78,78	0
59	MG	D2	204	1/1	0.91	0.47	51,51,51,51	0
59	MG	DA	3187	1/1	0.91	0.23	45,45,45,45	0
59	MG	AB	236	1/1	0.91	0.22	64,64,64,64	0
59	MG	DA	3995	1/1	0.91	0.29	71,71,71,71	0
59	MG	DA	4355	1/1	0.91	0.50	79,79,79,79	0
59	MG	DA	3519	1/1	0.91	0.16	36,36,36,36	0
59	MG	DA	3811	1/1	0.91	0.15	101,101,101,101	0
59	MG	CA	1971	1/1	0.91	0.16	54,54,54,54	0
59	MG	DA	5008	1/1	0.91	0.25	57,57,57,57	0
59	MG	AA	3603	1/1	0.91	0.08	80,80,80,80	0
59	MG	DD	306	1/1	0.91	0.17	51,51,51,51	0
59	MG	BA	1623	1/1	0.91	0.09	53,53,53,53	0
59	MG	DA	4088	1/1	0.91	0.33	83,83,83,83	0
59	MG	DF	313	1/1	0.91	0.16	68,68,68,68	0
59	MG	BD	121	1/1	0.91	0.27	79,79,79,79	0
59	MG	AA	3248	1/1	0.91	0.33	78,78,78,78	0
59	MG	DA	4635	1/1	0.91	0.22	71,71,71,71	0
59	MG	AA	3597	1/1	0.91	0.24	63,63,63,63	0
59	MG	BA	1607	1/1	0.91	0.25	74,74,74,74	0
59	MG	DB	275	1/1	0.91	0.15	50,50,50,50	0
59	MG	BA	2073	1/1	0.91	0.08	81,81,81,81	0
59	MG	CA	2074	1/1	0.91	0.07	61,61,61,61	0
59	MG	DA	4888	1/1	0.91	0.44	76,76,76,76	0
59	MG	BA	1849	1/1	0.91	0.14	74,74,74,74	0
59	MG	DA	3246	1/1	0.91	0.16	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3516	1/1	0.91	0.21	53,53,53,53	0
59	MG	AD	307	1/1	0.91	0.19	51,51,51,51	0
59	MG	DA	3755	1/1	0.91	0.09	70,70,70,70	0
59	MG	DA	4377	1/1	0.91	0.17	46,46,46,46	0
59	MG	CA	1718	1/1	0.91	0.30	60,60,60,60	0
59	MG	CA	1682	1/1	0.91	0.26	36,36,36,36	0
59	MG	AA	4037	1/1	0.91	0.11	43,43,43,43	0
59	MG	BA	1910	1/1	0.91	0.09	59,59,59,59	0
59	MG	AA	3427	1/1	0.91	0.07	47,47,47,47	0
59	MG	DA	3760	1/1	0.91	0.25	78,78,78,78	0
59	MG	BA	2143	1/1	0.91	0.12	138,138,138,138	0
59	MG	DF	315	1/1	0.91	0.24	76,76,76,76	0
59	MG	DA	3896	1/1	0.91	0.14	69,69,69,69	0
59	MG	DA	4300	1/1	0.91	0.15	45,45,45,45	0
59	MG	BA	1878	1/1	0.91	0.14	75,75,75,75	0
59	MG	DA	4005	1/1	0.91	0.38	84,84,84,84	0
59	MG	DA	3860	1/1	0.91	0.31	55,55,55,55	0
59	MG	AA	3644	1/1	0.91	0.10	56,56,56,56	0
59	MG	AA	3532	1/1	0.91	0.31	87,87,87,87	0
59	MG	AA	3268	1/1	0.91	0.31	60,60,60,60	0
59	MG	DA	3291	1/1	0.91	0.35	59,59,59,59	0
59	MG	DA	3458	1/1	0.91	0.38	54,54,54,54	0
59	MG	CD	116	1/1	0.91	0.15	78,78,78,78	0
59	MG	BA	2006	1/1	0.91	0.23	71,71,71,71	0
59	MG	AA	3178	1/1	0.91	0.23	41,41,41,41	0
59	MG	CA	1877	1/1	0.91	0.13	100,100,100,100	0
59	MG	BA	1935	1/1	0.91	0.22	95,95,95,95	0
59	MG	DA	4616	1/1	0.91	0.38	72,72,72,72	0
59	MG	AA	3313	1/1	0.91	0.18	83,83,83,83	0
59	MG	BA	2211	1/1	0.91	0.24	78,78,78,78	0
59	MG	DD	302	1/1	0.91	0.35	58,58,58,58	0
59	MG	AA	4067	1/1	0.91	0.19	86,86,86,86	0
59	MG	DB	236	1/1	0.91	0.15	49,49,49,49	0
59	MG	AA	3777	1/1	0.91	0.11	58,58,58,58	0
59	MG	CA	2158	1/1	0.91	0.14	58,58,58,58	0
59	MG	DB	224	1/1	0.91	0.24	51,51,51,51	0
59	MG	DA	4897	1/1	0.91	0.22	76,76,76,76	0
59	MG	BA	1726	1/1	0.91	0.25	62,62,62,62	0
59	MG	DE	310	1/1	0.91	0.27	52,52,52,52	0
59	MG	DA	4059	1/1	0.91	0.16	103,103,103,103	0
59	MG	AA	3183	1/1	0.91	0.21	29,29,29,29	0
59	MG	DA	4537	1/1	0.91	0.31	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4247	1/1	0.91	0.17	48,48,48,48	0
59	MG	DA	4893	1/1	0.91	0.21	99,99,99,99	0
59	MG	DA	4426	1/1	0.91	0.49	75,75,75,75	0
59	MG	AA	3969	1/1	0.91	0.15	60,60,60,60	0
59	MG	BA	1654	1/1	0.91	0.29	53,53,53,53	0
59	MG	AQ	203	1/1	0.91	0.28	67,67,67,67	0
59	MG	BA	1911	1/1	0.91	0.41	76,76,76,76	0
59	MG	AA	3802	1/1	0.91	0.26	78,78,78,78	0
59	MG	CA	2031	1/1	0.91	0.22	77,77,77,77	0
59	MG	DA	3466	1/1	0.91	0.20	79,79,79,79	0
59	MG	AA	4120	1/1	0.91	0.24	87,87,87,87	0
59	MG	DA	4046	1/1	0.91	0.10	52,52,52,52	0
59	MG	DA	4541	1/1	0.91	0.30	58,58,58,58	0
59	MG	DA	3111	1/1	0.91	0.38	64,64,64,64	0
59	MG	DA	3580	1/1	0.91	0.31	58,58,58,58	0
59	MG	DA	3148	1/1	0.91	0.46	67,67,67,67	0
59	MG	DA	5055	1/1	0.91	0.27	69,69,69,69	0
59	MG	DA	3254	1/1	0.91	0.26	25,25,25,25	0
59	MG	DA	4472	1/1	0.91	0.21	56,56,56,56	0
59	MG	CA	1659	1/1	0.91	0.15	41,41,41,41	0
59	MG	AQ	202	1/1	0.91	0.12	94,94,94,94	0
59	MG	AA	4026	1/1	0.91	0.20	53,53,53,53	0
59	MG	AA	3758	1/1	0.91	0.20	65,65,65,65	0
59	MG	DA	4878	1/1	0.91	0.29	50,50,50,50	0
59	MG	AA	3639	1/1	0.91	0.30	55,55,55,55	0
59	MG	CA	2171	1/1	0.91	0.14	115,115,115,115	0
59	MG	AA	3625	1/1	0.91	0.20	64,64,64,64	0
59	MG	AA	3081	1/1	0.91	0.14	61,61,61,61	0
59	MG	DA	4615	1/1	0.91	0.29	123,123,123,123	0
59	MG	DA	3986	1/1	0.91	0.19	51,51,51,51	0
59	MG	BA	1648	1/1	0.91	0.26	50,50,50,50	0
59	MG	BA	1799	1/1	0.91	0.12	55,55,55,55	0
59	MG	CA	2102	1/1	0.91	0.17	57,57,57,57	0
59	MG	CA	1798	1/1	0.91	0.19	139,139,139,139	0
59	MG	CA	1710	1/1	0.91	0.17	30,30,30,30	0
59	MG	BA	2222	1/1	0.91	0.08	102,102,102,102	0
59	MG	DA	4922	1/1	0.91	0.32	99,99,99,99	0
59	MG	BA	2249	1/1	0.91	0.18	66,66,66,66	0
59	MG	BA	1690	1/1	0.91	0.07	66,66,66,66	0
59	MG	CA	1882	1/1	0.91	0.27	55,55,55,55	0
59	MG	DA	3539	1/1	0.91	0.24	93,93,93,93	0
59	MG	DA	4424	1/1	0.91	0.13	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3050	1/1	0.91	0.20	59,59,59,59	0
59	MG	DA	3094	1/1	0.91	0.29	23,23,23,23	0
59	MG	BA	2235	1/1	0.91	0.09	69,69,69,69	0
59	MG	CA	2111	1/1	0.91	0.06	75,75,75,75	0
59	MG	AA	3185	1/1	0.91	0.20	29,29,29,29	0
59	MG	BA	2199	1/1	0.91	0.17	107,107,107,107	0
59	MG	BA	2196	1/1	0.91	0.20	65,65,65,65	0
59	MG	DA	4962	1/1	0.91	0.25	77,77,77,77	0
59	MG	AA	3857	1/1	0.91	0.42	65,65,65,65	0
59	MG	DM	201	1/1	0.91	0.20	29,29,29,29	0
59	MG	BA	2058	1/1	0.91	0.15	104,104,104,104	0
59	MG	BB	101	1/1	0.91	0.11	76,76,76,76	0
59	MG	DA	3850	1/1	0.91	0.26	51,51,51,51	0
59	MG	AA	3262	1/1	0.91	0.20	76,76,76,76	0
59	MG	AA	4136	1/1	0.91	0.27	71,71,71,71	0
59	MG	AA	3801	1/1	0.91	0.09	90,90,90,90	0
59	MG	DA	3536	1/1	0.91	0.32	48,48,48,48	0
59	MG	DA	4427	1/1	0.91	0.15	53,53,53,53	0
59	MG	CA	1807	1/1	0.91	0.18	63,63,63,63	0
59	MG	CA	1635	1/1	0.91	0.30	21,21,21,21	0
59	MG	BA	2023	1/1	0.91	0.20	67,67,67,67	0
59	MG	BK	206	1/1	0.91	0.22	108,108,108,108	0
59	MG	DA	5039	1/1	0.91	0.28	75,75,75,75	0
59	MG	AA	3676	1/1	0.91	0.46	81,81,81,81	0
59	MG	DA	4751	1/1	0.91	0.20	121,121,121,121	0
59	MG	DA	3186	1/1	0.91	0.16	39,39,39,39	0
59	MG	DM	203	1/1	0.91	0.14	59,59,59,59	0
60	ZN	D4	103	1/1	0.91	0.36	200,200,200,200	0
59	MG	DA	5049	1/1	0.91	0.29	80,80,80,80	0
59	MG	DA	4142	1/1	0.91	0.19	29,29,29,29	0
59	MG	AA	3208	1/1	0.91	0.17	30,30,30,30	0
59	MG	DA	4812	1/1	0.91	0.18	87,87,87,87	0
59	MG	DA	4261	1/1	0.91	0.20	65,65,65,65	0
59	MG	DA	4889	1/1	0.91	0.38	75,75,75,75	0
59	MG	DF	325	1/1	0.91	0.14	47,47,47,47	0
59	MG	DS	205	1/1	0.91	0.17	58,58,58,58	0
59	MG	AA	3674	1/1	0.91	0.24	61,61,61,61	0
59	MG	BA	1877	1/1	0.91	0.15	75,75,75,75	0
59	MG	BA	2126	1/1	0.91	0.15	74,74,74,74	0
59	MG	DM	204	1/1	0.91	1.30	67,67,67,67	0
59	MG	DA	4908	1/1	0.91	0.15	64,64,64,64	0
59	MG	DA	3341	1/1	0.91	0.39	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1716	1/1	0.91	0.31	66,66,66,66	0
59	MG	AA	4152	1/1	0.91	0.21	77,77,77,77	0
59	MG	BA	1874	1/1	0.91	0.10	93,93,93,93	0
59	MG	AA	3179	1/1	0.91	0.16	38,38,38,38	0
59	MG	AA	3084	1/1	0.91	0.11	55,55,55,55	0
59	MG	AB	202	1/1	0.91	0.25	51,51,51,51	0
59	MG	DA	4818	1/1	0.91	0.28	80,80,80,80	0
59	MG	DA	5010	1/1	0.91	0.32	68,68,68,68	0
59	MG	AA	3682	1/1	0.91	0.13	75,75,75,75	0
59	MG	AA	3394	1/1	0.91	0.16	45,45,45,45	0
59	MG	D1	205	1/1	0.91	0.32	55,55,55,55	0
59	MG	CA	2024	1/1	0.91	0.05	96,96,96,96	0
59	MG	DA	4221	1/1	0.91	0.19	49,49,49,49	0
59	MG	CA	2227	1/1	0.91	0.45	78,78,78,78	0
59	MG	DA	3135	1/1	0.91	0.14	35,35,35,35	0
59	MG	DA	3521	1/1	0.91	0.31	61,61,61,61	0
59	MG	AW	102	1/1	0.91	0.38	56,56,56,56	0
59	MG	DF	304	1/1	0.91	0.17	29,29,29,29	0
59	MG	DA	4501	1/1	0.91	0.26	54,54,54,54	0
59	MG	AA	4162	1/1	0.91	0.29	94,94,94,94	0
59	MG	DA	4098	1/1	0.91	0.13	43,43,43,43	0
59	MG	D5	102	1/1	0.91	0.15	24,24,24,24	0
59	MG	AA	3510	1/1	0.91	0.12	26,26,26,26	0
59	MG	DA	3454	1/1	0.91	0.24	51,51,51,51	0
59	MG	AA	3776	1/1	0.91	0.14	84,84,84,84	0
59	MG	DA	4894	1/1	0.91	0.21	63,63,63,63	0
59	MG	BA	1660	1/1	0.91	0.20	101,101,101,101	0
59	MG	BA	2245	1/1	0.91	0.28	71,71,71,71	0
59	MG	D5	105	1/1	0.91	0.13	63,63,63,63	0
59	MG	DA	3711	1/1	0.91	0.25	85,85,85,85	0
59	MG	AO	203	1/1	0.91	0.11	47,47,47,47	0
59	MG	DA	4680	1/1	0.91	0.08	71,71,71,71	0
59	MG	CA	1943	1/1	0.91	0.34	73,73,73,73	0
59	MG	DA	4466	1/1	0.91	0.25	73,73,73,73	0
59	MG	AA	3991	1/1	0.91	0.22	73,73,73,73	0
59	MG	DA	3552	1/1	0.91	0.19	45,45,45,45	0
59	MG	AA	3844	1/1	0.91	0.33	94,94,94,94	0
59	MG	DA	4856	1/1	0.91	0.17	49,49,49,49	0
59	MG	DA	4089	1/1	0.91	0.13	63,63,63,63	0
59	MG	BA	1947	1/1	0.91	0.15	53,53,53,53	0
59	MG	CA	2006	1/1	0.91	0.14	67,67,67,67	0
59	MG	DA	5059	1/1	0.91	0.19	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2180	1/1	0.91	0.33	88,88,88,88	0
59	MG	DN	201	1/1	0.91	0.27	50,50,50,50	0
59	MG	AA	3722	1/1	0.91	0.12	50,50,50,50	0
59	MG	DA	4314	1/1	0.91	0.26	67,67,67,67	0
59	MG	DA	4450	1/1	0.91	0.24	68,68,68,68	0
59	MG	DA	4914	1/1	0.91	0.21	44,44,44,44	0
59	MG	AA	4048	1/1	0.91	0.14	93,93,93,93	0
59	MG	DA	3083	1/1	0.91	0.22	9,9,9,9	0
59	MG	DA	3918	1/1	0.91	0.32	50,50,50,50	0
59	MG	DA	4675	1/1	0.91	0.28	73,73,73,73	0
59	MG	AA	3249	1/1	0.91	0.22	41,41,41,41	0
59	MG	AA	3866	1/1	0.91	0.32	96,96,96,96	0
59	MG	CA	2146	1/1	0.91	0.22	85,85,85,85	0
59	MG	DA	3821	1/1	0.91	0.20	81,81,81,81	0
59	MG	AA	3345	1/1	0.91	0.23	55,55,55,55	0
59	MG	DA	4351	1/1	0.91	0.17	43,43,43,43	0
59	MG	DO	207	1/1	0.91	0.12	37,37,37,37	0
59	MG	C1	101	1/1	0.91	0.43	156,156,156,156	0
59	MG	AA	3322	1/1	0.91	0.17	58,58,58,58	0
59	MG	DA	4848	1/1	0.91	0.21	67,67,67,67	0
59	MG	DA	4662	1/1	0.91	0.33	101,101,101,101	0
59	MG	CA	1964	1/1	0.91	0.14	41,41,41,41	0
59	MG	AA	3282	1/1	0.91	0.08	64,64,64,64	0
59	MG	DA	4174	1/1	0.91	0.20	49,49,49,49	0
59	MG	CA	2151	1/1	0.91	0.14	60,60,60,60	0
59	MG	BA	1749	1/1	0.91	0.08	30,30,30,30	0
59	MG	DA	4036	1/1	0.91	0.19	55,55,55,55	0
59	MG	DA	3976	1/1	0.91	0.62	37,37,37,37	0
59	MG	AA	3143	1/1	0.91	0.11	37,37,37,37	0
59	MG	CA	1722	1/1	0.91	0.18	50,50,50,50	0
59	MG	DA	4092	1/1	0.91	0.20	99,99,99,99	0
59	MG	DR	201	1/1	0.91	0.14	72,72,72,72	0
59	MG	AS	202	1/1	0.91	0.11	63,63,63,63	0
59	MG	A6	101	1/1	0.91	0.07	55,55,55,55	0
59	MG	AA	3643	1/1	0.91	0.26	61,61,61,61	0
59	MG	AS	201	1/1	0.91	0.54	67,67,67,67	0
59	MG	BA	2203	1/1	0.91	0.19	118,118,118,118	0
59	MG	DA	3819	1/1	0.91	0.16	68,68,68,68	0
59	MG	DP	202	1/1	0.92	0.23	53,53,53,53	0
59	MG	AA	3199	1/1	0.92	0.34	75,75,75,75	0
59	MG	DF	319	1/1	0.92	0.15	67,67,67,67	0
59	MG	DW	103	1/1	0.92	0.21	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3213	1/1	0.92	0.39	53,53,53,53	0
59	MG	DB	203	1/1	0.92	0.34	46,46,46,46	0
59	MG	DA	4832	1/1	0.92	0.17	86,86,86,86	0
59	MG	CA	1753	1/1	0.92	0.40	56,56,56,56	0
59	MG	AA	3695	1/1	0.92	0.15	49,49,49,49	0
59	MG	BC	102	1/1	0.92	0.10	78,78,78,78	0
59	MG	DA	4511	1/1	0.92	0.15	90,90,90,90	0
59	MG	CA	1785	1/1	0.92	0.29	63,63,63,63	0
59	MG	AA	3962	1/1	0.92	0.31	57,57,57,57	0
59	MG	BA	1942	1/1	0.92	0.10	63,63,63,63	0
59	MG	DA	3869	1/1	0.92	0.25	83,83,83,83	0
59	MG	DA	3232	1/1	0.92	0.26	61,61,61,61	0
59	MG	AO	202	1/1	0.92	0.13	55,55,55,55	0
59	MG	BA	1856	1/1	0.92	0.11	60,60,60,60	0
59	MG	DA	4188	1/1	0.92	0.10	39,39,39,39	0
59	MG	DA	4515	1/1	0.92	0.20	60,60,60,60	0
59	MG	CA	1688	1/1	0.92	0.18	42,42,42,42	0
59	MG	AA	3742	1/1	0.92	0.08	70,70,70,70	0
59	MG	BA	1809	1/1	0.92	0.14	114,114,114,114	0
59	MG	AA	3826	1/1	0.92	0.20	92,92,92,92	0
59	MG	AA	3846	1/1	0.92	0.39	88,88,88,88	0
59	MG	DA	3019	1/1	0.92	0.34	20,20,20,20	0
59	MG	DU	214	1/1	0.92	0.27	62,62,62,62	0
59	MG	CA	2128	1/1	0.92	0.39	101,101,101,101	0
59	MG	DA	3475	1/1	0.92	0.23	51,51,51,51	0
59	MG	DA	4118	1/1	0.92	0.14	96,96,96,96	0
59	MG	DA	3158	1/1	0.92	0.10	28,28,28,28	0
59	MG	DA	4682	1/1	0.92	0.31	63,63,63,63	0
59	MG	AA	3467	1/1	0.92	0.29	55,55,55,55	0
59	MG	CA	2079	1/1	0.92	0.24	83,83,83,83	0
59	MG	DF	314	1/1	0.92	0.22	58,58,58,58	0
59	MG	DA	3566	1/1	0.92	0.10	21,21,21,21	0
59	MG	DA	4819	1/1	0.92	0.26	64,64,64,64	0
59	MG	DA	4623	1/1	0.92	0.17	47,47,47,47	0
59	MG	DA	4824	1/1	0.92	0.23	71,71,71,71	0
59	MG	DA	3768	1/1	0.92	0.15	77,77,77,77	0
59	MG	DA	4569	1/1	0.92	0.17	37,37,37,37	0
59	MG	DA	4176	1/1	0.92	0.14	53,53,53,53	0
59	MG	DA	4992	1/1	0.92	0.26	88,88,88,88	0
59	MG	CA	1830	1/1	0.92	0.04	59,59,59,59	0
59	MG	DA	4554	1/1	0.92	0.34	81,81,81,81	0
59	MG	CH	206	1/1	0.92	0.18	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	D5	104	1/1	0.92	0.12	38,38,38,38	0
59	MG	BT	201	1/1	0.92	0.45	110,110,110,110	0
59	MG	DA	3421	1/1	0.92	0.21	56,56,56,56	0
59	MG	BA	2156	1/1	0.92	0.11	90,90,90,90	0
59	MG	DA	3637	1/1	0.92	0.28	63,63,63,63	0
59	MG	CK	211	1/1	0.92	0.17	57,57,57,57	0
59	MG	CA	1651	1/1	0.92	0.18	33,33,33,33	0
59	MG	DA	3544	1/1	0.92	0.18	51,51,51,51	0
59	MG	DA	3823	1/1	0.92	0.10	81,81,81,81	0
59	MG	DA	4589	1/1	0.92	0.35	58,58,58,58	0
59	MG	CA	2257	1/1	0.92	0.26	60,60,60,60	0
59	MG	AA	3961	1/1	0.92	0.29	54,54,54,54	0
59	MG	BA	1701	1/1	0.92	0.13	59,59,59,59	0
59	MG	DA	3074	1/1	0.92	0.22	22,22,22,22	0
59	MG	AB	222	1/1	0.92	0.12	85,85,85,85	0
59	MG	DA	3450	1/1	0.92	0.45	75,75,75,75	0
59	MG	BC	107	1/1	0.92	0.31	65,65,65,65	0
59	MG	CA	2104	1/1	0.92	0.07	67,67,67,67	0
59	MG	DA	4337	1/1	0.92	0.21	58,58,58,58	0
59	MG	DA	4926	1/1	0.92	0.10	46,46,46,46	0
59	MG	BA	1674	1/1	0.92	0.11	45,45,45,45	0
59	MG	AA	3283	1/1	0.92	0.08	74,74,74,74	0
59	MG	DA	4667	1/1	0.92	0.20	46,46,46,46	0
59	MG	CA	1615	1/1	0.92	0.19	60,60,60,60	0
59	MG	AA	3919	1/1	0.92	0.08	59,59,59,59	0
59	MG	DA	3958	1/1	0.92	0.11	55,55,55,55	0
59	MG	AA	3481	1/1	0.92	0.17	61,61,61,61	0
59	MG	DA	4233	1/1	0.92	0.36	69,69,69,69	0
59	MG	DA	3686	1/1	0.92	0.19	70,70,70,70	0
59	MG	DA	3303	1/1	0.92	0.41	46,46,46,46	0
59	MG	AA	3105	1/1	0.92	0.21	50,50,50,50	0
59	MG	CN	202	1/1	0.92	0.20	64,64,64,64	0
59	MG	AA	4138	1/1	0.92	0.33	57,57,57,57	0
59	MG	DA	4758	1/1	0.92	0.33	71,71,71,71	0
59	MG	DA	4777	1/1	0.92	0.24	96,96,96,96	0
59	MG	AA	3125	1/1	0.92	0.22	51,51,51,51	0
59	MG	DA	3501	1/1	0.92	0.25	51,51,51,51	0
59	MG	AA	3137	1/1	0.92	0.23	25,25,25,25	0
59	MG	CA	2280	1/1	0.92	0.07	84,84,84,84	0
59	MG	CA	1977	1/1	0.92	0.14	64,64,64,64	0
59	MG	DA	3993	1/1	0.92	0.21	51,51,51,51	0
59	MG	CM	202	1/1	0.92	0.23	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3746	1/1	0.92	0.18	36,36,36,36	0
59	MG	DA	3298	1/1	0.92	0.17	97,97,97,97	0
59	MG	AA	3941	1/1	0.92	0.16	57,57,57,57	0
59	MG	CA	1879	1/1	0.92	0.43	58,58,58,58	0
59	MG	AA	3823	1/1	0.92	0.17	89,89,89,89	0
59	MG	CA	2012	1/1	0.92	0.25	69,69,69,69	0
59	MG	CA	1731	1/1	0.92	0.14	56,56,56,56	0
59	MG	AA	3588	1/1	0.92	0.17	82,82,82,82	0
59	MG	DF	302	1/1	0.92	0.27	46,46,46,46	0
59	MG	DA	4166	1/1	0.92	0.32	41,41,41,41	0
59	MG	DA	3630	1/1	0.92	0.27	71,71,71,71	0
59	MG	DA	3327	1/1	0.92	0.17	48,48,48,48	0
59	MG	AA	3314	1/1	0.92	0.12	74,74,74,74	0
59	MG	BA	1833	1/1	0.92	0.22	71,71,71,71	0
59	MG	DA	4008	1/1	0.92	0.17	49,49,49,49	0
59	MG	DA	3858	1/1	0.92	0.13	49,49,49,49	0
59	MG	CA	2021	1/1	0.92	0.09	63,63,63,63	0
59	MG	DA	4340	1/1	0.92	0.26	60,60,60,60	0
59	MG	CS	105	1/1	0.92	0.14	69,69,69,69	0
59	MG	DA	4514	1/1	0.92	0.27	80,80,80,80	0
59	MG	DA	3228	1/1	0.92	0.16	36,36,36,36	0
59	MG	DO	214	1/1	0.92	0.78	61,61,61,61	0
59	MG	A3	103	1/1	0.92	0.12	55,55,55,55	0
59	MG	AA	3562	1/1	0.92	0.11	55,55,55,55	0
59	MG	DA	3792	1/1	0.92	0.40	92,92,92,92	0
59	MG	DA	4468	1/1	0.92	0.27	60,60,60,60	0
59	MG	CA	1808	1/1	0.92	0.19	148,148,148,148	0
59	MG	AA	3550	1/1	0.92	0.22	82,82,82,82	0
59	MG	DA	4846	1/1	0.92	0.18	73,73,73,73	0
59	MG	AA	3018	1/1	0.92	0.16	22,22,22,22	0
59	MG	BH	202	1/1	0.92	0.10	61,61,61,61	0
59	MG	DA	3833	1/1	0.92	0.14	65,65,65,65	0
59	MG	DA	3839	1/1	0.92	0.17	54,54,54,54	0
59	MG	CA	1665	1/1	0.92	0.15	31,31,31,31	0
59	MG	DB	248	1/1	0.92	0.18	76,76,76,76	0
59	MG	DA	3987	1/1	0.92	0.20	53,53,53,53	0
59	MG	AA	3115	1/1	0.92	0.36	76,76,76,76	0
59	MG	DA	3248	1/1	0.92	0.46	70,70,70,70	0
59	MG	DA	4530	1/1	0.92	0.17	72,72,72,72	0
59	MG	DA	3422	1/1	0.92	0.15	41,41,41,41	0
59	MG	DA	4853	1/1	0.92	0.21	80,80,80,80	0
59	MG	DD	310	1/1	0.92	0.45	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3640	1/1	0.92	0.22	45,45,45,45	0
59	MG	A3	102	1/1	0.92	0.18	83,83,83,83	0
59	MG	DA	4974	1/1	0.92	0.19	57,57,57,57	0
59	MG	AA	3921	1/1	0.92	0.09	44,44,44,44	0
59	MG	AA	3399	1/1	0.92	0.19	75,75,75,75	0
59	MG	AA	3404	1/1	0.92	0.42	77,77,77,77	0
59	MG	CA	2322	1/1	0.92	0.21	88,88,88,88	0
59	MG	BA	1636	1/1	0.92	0.29	44,44,44,44	0
59	MG	CA	1741	1/1	0.92	0.13	66,66,66,66	0
59	MG	CA	1725	1/1	0.92	0.18	55,55,55,55	0
59	MG	DA	3691	1/1	0.92	0.16	69,69,69,69	0
59	MG	CA	1829	1/1	0.92	0.07	61,61,61,61	0
59	MG	DA	4527	1/1	0.92	0.11	53,53,53,53	0
59	MG	AA	3655	1/1	0.92	0.08	50,50,50,50	0
59	MG	CT	203	1/1	0.92	0.14	54,54,54,54	0
59	MG	CA	1796	1/1	0.92	0.14	67,67,67,67	0
59	MG	DA	4557	1/1	0.92	0.09	56,56,56,56	0
59	MG	CH	205	1/1	0.92	0.18	87,87,87,87	0
59	MG	DA	4065	1/1	0.92	0.11	58,58,58,58	0
59	MG	CA	1668	1/1	0.92	0.21	88,88,88,88	0
59	MG	BA	1703	1/1	0.92	0.12	40,40,40,40	0
59	MG	AA	3120	1/1	0.92	0.40	59,59,59,59	0
59	MG	CA	1822	1/1	0.92	0.09	56,56,56,56	0
59	MG	A1	203	1/1	0.92	0.21	77,77,77,77	0
59	MG	BA	1925	1/1	0.92	0.13	55,55,55,55	0
59	MG	DA	4214	1/1	0.92	0.18	50,50,50,50	0
59	MG	AA	3568	1/1	0.92	0.20	41,41,41,41	0
59	MG	AD	310	1/1	0.92	0.26	42,42,42,42	0
59	MG	AD	303	1/1	0.92	0.51	62,62,62,62	0
59	MG	DA	4363	1/1	0.92	0.13	42,42,42,42	0
59	MG	AA	3592	1/1	0.92	0.16	63,63,63,63	0
59	MG	DA	4923	1/1	0.92	0.10	74,74,74,74	0
59	MG	BA	1695	1/1	0.92	0.18	44,44,44,44	0
59	MG	BA	1631	1/1	0.92	0.25	48,48,48,48	0
59	MG	DA	4303	1/1	0.92	0.15	47,47,47,47	0
59	MG	CA	1805	1/1	0.92	0.06	52,52,52,52	0
59	MG	AA	3521	1/1	0.92	0.15	32,32,32,32	0
59	MG	DA	4750	1/1	0.92	0.15	68,68,68,68	0
59	MG	DK	202	1/1	0.92	0.13	66,66,66,66	0
59	MG	BA	2090	1/1	0.92	0.14	119,119,119,119	0
59	MG	AB	213	1/1	0.92	0.12	60,60,60,60	0
59	MG	BH	201	1/1	0.92	0.23	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4816	1/1	0.92	0.22	66,66,66,66	0
59	MG	DA	5007	1/1	0.92	0.45	82,82,82,82	0
59	MG	DA	4694	1/1	0.92	0.15	56,56,56,56	0
59	MG	DA	3558	1/1	0.92	0.34	64,64,64,64	0
59	MG	BA	1709	1/1	0.92	0.29	53,53,53,53	0
59	MG	BA	2094	1/1	0.92	0.14	50,50,50,50	0
59	MG	BD	101	1/1	0.92	0.35	86,86,86,86	0
59	MG	BA	1876	1/1	0.92	0.07	62,62,62,62	0
59	MG	AA	3505	1/1	0.92	0.16	55,55,55,55	0
59	MG	AA	3293	1/1	0.92	0.11	45,45,45,45	0
59	MG	BA	1742	1/1	0.92	0.25	46,46,46,46	0
59	MG	AA	3971	1/1	0.92	0.18	85,85,85,85	0
59	MG	CA	2159	1/1	0.92	0.12	46,46,46,46	0
59	MG	DA	3885	1/1	0.92	0.11	57,57,57,57	0
59	MG	C1	103	1/1	0.92	0.13	64,64,64,64	0
59	MG	CA	2115	1/1	0.92	0.29	78,78,78,78	0
59	MG	D2	206	1/1	0.92	0.21	55,55,55,55	0
59	MG	AA	3458	1/1	0.92	0.10	49,49,49,49	0
59	MG	DA	4267	1/1	0.92	0.48	72,72,72,72	0
59	MG	DA	3754	1/1	0.92	0.08	107,107,107,107	0
59	MG	DA	3107	1/1	0.92	0.17	43,43,43,43	0
59	MG	DA	5018	1/1	0.92	0.27	89,89,89,89	0
59	MG	AA	3119	1/1	0.92	0.12	46,46,46,46	0
59	MG	CA	1652	1/1	0.92	0.29	39,39,39,39	0
59	MG	AA	3662	1/1	0.92	0.08	51,51,51,51	0
59	MG	DA	4787	1/1	0.92	0.35	85,85,85,85	0
59	MG	DA	3064	1/1	0.92	0.15	35,35,35,35	0
59	MG	DA	4695	1/1	0.92	0.14	52,52,52,52	0
59	MG	BA	1752	1/1	0.92	0.18	48,48,48,48	0
59	MG	DB	230	1/1	0.92	0.56	87,87,87,87	0
59	MG	DA	3325	1/1	0.92	0.24	62,62,62,62	0
59	MG	BA	2193	1/1	0.92	0.41	76,76,76,76	0
59	MG	CA	2008	1/1	0.92	0.13	56,56,56,56	0
59	MG	DA	3787	1/1	0.92	0.13	114,114,114,114	0
59	MG	D2	207	1/1	0.92	0.12	68,68,68,68	0
59	MG	CA	1738	1/1	0.92	0.29	66,66,66,66	0
59	MG	AA	3957	1/1	0.92	0.15	74,74,74,74	0
59	MG	DA	3096	1/1	0.92	0.15	7,7,7,7	0
59	MG	BD	112	1/1	0.92	0.21	78,78,78,78	0
59	MG	DA	3157	1/1	0.92	0.41	58,58,58,58	0
59	MG	DA	4836	1/1	0.92	0.13	41,41,41,41	0
59	MG	BA	1658	1/1	0.92	0.14	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1823	1/1	0.92	0.08	84,84,84,84	0
59	MG	DA	3231	1/1	0.92	0.15	9,9,9,9	0
59	MG	AA	3384	1/1	0.92	0.27	47,47,47,47	0
59	MG	AB	235	1/1	0.92	0.08	81,81,81,81	0
59	MG	DA	3042	1/1	0.92	0.20	21,21,21,21	0
59	MG	DA	3500	1/1	0.92	0.12	57,57,57,57	0
59	MG	DA	3962	1/1	0.92	0.15	81,81,81,81	0
59	MG	DA	3222	1/1	0.92	0.09	42,42,42,42	0
59	MG	DP	201	1/1	0.92	0.19	29,29,29,29	0
59	MG	CA	1836	1/1	0.92	0.52	131,131,131,131	0
59	MG	AA	3624	1/1	0.92	0.30	38,38,38,38	0
59	MG	CA	2262	1/1	0.92	0.09	61,61,61,61	0
59	MG	CA	1628	1/1	0.92	0.36	42,42,42,42	0
59	MG	DB	217	1/1	0.92	0.25	46,46,46,46	0
59	MG	DA	4271	1/1	0.92	0.74	53,53,53,53	0
59	MG	AA	3954	1/1	0.92	0.23	71,71,71,71	0
59	MG	AA	3051	1/1	0.92	0.23	62,62,62,62	0
59	MG	DA	3911	1/1	0.92	0.12	115,115,115,115	0
59	MG	DA	4709	1/1	0.92	0.25	81,81,81,81	0
59	MG	AA	3411	1/1	0.92	0.18	73,73,73,73	0
59	MG	AA	3798	1/1	0.92	0.08	47,47,47,47	0
59	MG	AA	3038	1/1	0.92	0.23	68,68,68,68	0
59	MG	BA	1945	1/1	0.92	0.14	56,56,56,56	0
59	MG	BA	2095	1/1	0.92	0.27	67,67,67,67	0
59	MG	D0	206	1/1	0.92	0.14	45,45,45,45	0
59	MG	CA	2130	1/1	0.92	0.23	117,117,117,117	0
59	MG	BA	2135	1/1	0.92	0.23	77,77,77,77	0
59	MG	BA	2005	1/1	0.92	0.04	75,75,75,75	0
59	MG	BA	2038	1/1	0.92	0.25	80,80,80,80	0
59	MG	BA	2079	1/1	0.92	0.17	99,99,99,99	0
59	MG	AA	3614	1/1	0.92	0.14	62,62,62,62	0
59	MG	CC	110	1/1	0.92	0.21	71,71,71,71	0
59	MG	DB	270	1/1	0.92	0.26	61,61,61,61	0
59	MG	D8	106	1/1	0.92	0.08	41,41,41,41	0
59	MG	BB	102	1/1	0.92	0.08	55,55,55,55	0
59	MG	BA	2229	1/1	0.92	0.12	67,67,67,67	0
59	MG	BA	1998	1/1	0.92	0.13	76,76,76,76	0
59	MG	AA	4161	1/1	0.92	0.15	68,68,68,68	0
59	MG	BA	1861	1/1	0.92	0.11	78,78,78,78	0
59	MG	DA	5035	1/1	0.92	0.24	51,51,51,51	0
59	MG	AA	3149	1/1	0.92	0.26	61,61,61,61	0
59	MG	DA	3534	1/1	0.92	0.37	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1875	1/1	0.92	0.12	71,71,71,71	0
59	MG	CA	1823	1/1	0.92	0.09	67,67,67,67	0
59	MG	DA	3488	1/1	0.92	0.25	37,37,37,37	0
59	MG	AA	3877	1/1	0.92	0.28	109,109,109,109	0
59	MG	DA	4309	1/1	0.92	0.09	36,36,36,36	0
59	MG	DA	4253	1/1	0.92	0.27	62,62,62,62	0
59	MG	CA	2136	1/1	0.92	0.23	77,77,77,77	0
59	MG	CE	304	1/1	0.92	0.12	62,62,62,62	0
59	MG	DA	3789	1/1	0.92	0.13	45,45,45,45	0
59	MG	DB	272	1/1	0.92	0.13	81,81,81,81	0
59	MG	DA	3750	1/1	0.92	0.44	101,101,101,101	0
59	MG	DA	3202	1/1	0.92	0.20	37,37,37,37	0
59	MG	DA	3165	1/1	0.92	0.31	46,46,46,46	0
59	MG	CA	2300	1/1	0.92	0.16	119,119,119,119	0
59	MG	DA	3639	1/1	0.92	0.21	66,66,66,66	0
59	MG	CA	1654	1/1	0.92	0.22	48,48,48,48	0
59	MG	BA	1976	1/1	0.92	0.15	147,147,147,147	0
59	MG	AO	205	1/1	0.92	0.18	52,52,52,52	0
59	MG	DA	3680	1/1	0.92	0.23	76,76,76,76	0
59	MG	BA	1992	1/1	0.92	0.17	95,95,95,95	0
59	MG	DA	3289	1/1	0.92	0.19	27,27,27,27	0
59	MG	BA	1615	1/1	0.92	0.19	81,81,81,81	0
59	MG	CD	115	1/1	0.92	0.50	85,85,85,85	0
59	MG	CA	2245	1/1	0.92	0.41	133,133,133,133	0
59	MG	BA	1801	1/1	0.92	0.23	40,40,40,40	0
59	MG	AA	3291	1/1	0.92	0.16	34,34,34,34	0
59	MG	DA	4912	1/1	0.92	0.14	42,42,42,42	0
59	MG	AA	3233	1/1	0.92	0.20	55,55,55,55	0
59	MG	CD	117	1/1	0.92	0.19	58,58,58,58	0
59	MG	DA	4642	1/1	0.92	0.25	57,57,57,57	0
59	MG	DA	3124	1/1	0.92	0.20	36,36,36,36	0
59	MG	CA	1604	1/1	0.92	0.24	10,10,10,10	0
59	MG	BA	2055	1/1	0.92	0.08	89,89,89,89	0
59	MG	CA	2009	1/1	0.92	0.13	61,61,61,61	0
59	MG	D5	101	1/1	0.92	0.21	31,31,31,31	0
59	MG	DR	202	1/1	0.92	0.52	60,60,60,60	0
59	MG	BA	1907	1/1	0.92	0.15	56,56,56,56	0
59	MG	AA	3865	1/1	0.92	0.19	62,62,62,62	0
59	MG	BA	1983	1/1	0.92	0.05	80,80,80,80	0
59	MG	CA	1904	1/1	0.92	0.37	74,74,74,74	0
59	MG	AA	3809	1/1	0.92	0.15	84,84,84,84	0
59	MG	CA	1727	1/1	0.92	0.23	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DB	204	1/1	0.92	0.10	23,23,23,23	0
59	MG	AA	3280	1/1	0.92	0.26	56,56,56,56	0
59	MG	DA	3565	1/1	0.93	0.20	55,55,55,55	0
59	MG	AA	3029	1/1	0.93	0.20	46,46,46,46	0
59	MG	DA	3486	1/1	0.93	0.20	58,58,58,58	0
59	MG	BA	1825	1/1	0.93	0.10	121,121,121,121	0
59	MG	DA	4141	1/1	0.93	0.55	66,66,66,66	0
59	MG	DA	3924	1/1	0.93	0.16	48,48,48,48	0
59	MG	BA	2223	1/1	0.93	0.30	71,71,71,71	0
59	MG	CA	1742	1/1	0.93	0.13	40,40,40,40	0
59	MG	DA	3331	1/1	0.93	0.26	68,68,68,68	0
59	MG	CA	1866	1/1	0.93	0.20	109,109,109,109	0
59	MG	AA	3392	1/1	0.93	0.14	63,63,63,63	0
59	MG	DA	4001	1/1	0.93	0.22	121,121,121,121	0
59	MG	DB	265	1/1	0.93	0.21	81,81,81,81	0
59	MG	DB	208	1/1	0.93	0.10	46,46,46,46	0
59	MG	DA	4274	1/1	0.93	0.17	41,41,41,41	0
59	MG	DA	3426	1/1	0.93	0.41	39,39,39,39	0
59	MG	DA	3046	1/1	0.93	0.30	12,12,12,12	0
59	MG	AA	3453	1/1	0.93	0.09	123,123,123,123	0
59	MG	CA	2218	1/1	0.93	0.20	82,82,82,82	0
59	MG	DA	4192	1/1	0.93	0.57	65,65,65,65	0
59	MG	DA	4132	1/1	0.93	0.31	40,40,40,40	0
59	MG	DA	3524	1/1	0.93	0.07	32,32,32,32	0
59	MG	DA	3867	1/1	0.93	0.25	100,100,100,100	0
59	MG	AA	3349	1/1	0.93	0.11	42,42,42,42	0
59	MG	A7	104	1/1	0.93	0.27	88,88,88,88	0
59	MG	CA	1983	1/1	0.93	0.33	43,43,43,43	0
59	MG	AA	3978	1/1	0.93	0.48	70,70,70,70	0
59	MG	CA	2112	1/1	0.93	0.14	78,78,78,78	0
59	MG	AA	3901	1/1	0.93	0.19	52,52,52,52	0
59	MG	AA	4047	1/1	0.93	0.10	59,59,59,59	0
59	MG	DA	3355	1/1	0.93	0.31	64,64,64,64	0
59	MG	BA	1719	1/1	0.93	0.18	43,43,43,43	0
59	MG	DA	4564	1/1	0.93	0.16	39,39,39,39	0
59	MG	DA	3391	1/1	0.93	0.42	84,84,84,84	0
59	MG	DD	309	1/1	0.93	0.26	57,57,57,57	0
59	MG	DT	107	1/1	0.93	0.21	73,73,73,73	0
59	MG	CA	2072	1/1	0.93	0.30	48,48,48,48	0
59	MG	DA	3192	1/1	0.93	0.27	95,95,95,95	0
59	MG	DA	4202	1/1	0.93	0.42	69,69,69,69	0
59	MG	CA	1626	1/1	0.93	0.19	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3700	1/1	0.93	0.20	58,58,58,58	0
59	MG	DA	4070	1/1	0.93	0.22	45,45,45,45	0
59	MG	DA	3163	1/1	0.93	0.19	39,39,39,39	0
59	MG	DA	3801	1/1	0.93	0.64	96,96,96,96	0
59	MG	CA	1737	1/1	0.93	0.20	77,77,77,77	0
59	MG	DA	3196	1/1	0.93	0.29	43,43,43,43	0
59	MG	DA	3078	1/1	0.93	0.26	17,17,17,17	0
59	MG	DA	4299	1/1	0.93	0.11	72,72,72,72	0
59	MG	DA	3943	1/1	0.93	0.08	47,47,47,47	0
59	MG	AA	3716	1/1	0.93	0.12	74,74,74,74	0
59	MG	BA	1982	1/1	0.93	0.12	96,96,96,96	0
59	MG	AA	3100	1/1	0.93	0.10	34,34,34,34	0
59	MG	BA	1736	1/1	0.93	0.14	53,53,53,53	0
59	MG	AA	3061	1/1	0.93	0.21	35,35,35,35	0
59	MG	DA	4106	1/1	0.93	0.13	65,65,65,65	0
59	MG	AA	3956	1/1	0.93	0.44	93,93,93,93	0
59	MG	DA	4260	1/1	0.93	0.18	56,56,56,56	0
59	MG	BA	1902	1/1	0.93	0.33	71,71,71,71	0
59	MG	BA	1664	1/1	0.93	0.32	58,58,58,58	0
59	MG	DA	3203	1/1	0.93	0.45	59,59,59,59	0
59	MG	DA	4335	1/1	0.93	0.20	50,50,50,50	0
59	MG	DA	4930	1/1	0.93	0.26	73,73,73,73	0
59	MG	AA	3849	1/1	0.93	0.39	59,59,59,59	0
59	MG	CA	1734	1/1	0.93	0.12	38,38,38,38	0
59	MG	DA	4866	1/1	0.93	0.23	53,53,53,53	0
59	MG	BB	103	1/1	0.93	0.11	77,77,77,77	0
59	MG	A8	101	1/1	0.93	0.09	45,45,45,45	0
59	MG	DA	3510	1/1	0.93	0.43	56,56,56,56	0
59	MG	DF	310	1/1	0.93	0.12	49,49,49,49	0
59	MG	DA	4762	1/1	0.93	0.23	77,77,77,77	0
59	MG	BA	2231	1/1	0.93	0.30	89,89,89,89	0
59	MG	DA	4596	1/1	0.93	0.33	63,63,63,63	0
59	MG	DA	3363	1/1	0.93	0.07	36,36,36,36	0
59	MG	BA	1681	1/1	0.93	0.17	43,43,43,43	0
59	MG	CA	2052	1/1	0.93	0.19	54,54,54,54	0
59	MG	DA	4601	1/1	0.93	0.20	88,88,88,88	0
59	MG	DA	4689	1/1	0.93	0.12	67,67,67,67	0
59	MG	CA	2275	1/1	0.93	0.23	42,42,42,42	0
59	MG	AA	3263	1/1	0.93	0.67	57,57,57,57	0
59	MG	AA	3558	1/1	0.93	0.12	50,50,50,50	0
59	MG	DA	4207	1/1	0.93	0.34	84,84,84,84	0
59	MG	CB	111	1/1	0.93	0.15	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4499	1/1	0.93	0.21	51,51,51,51	0
59	MG	DA	3128	1/1	0.93	0.17	31,31,31,31	0
59	MG	DB	256	1/1	0.93	0.15	65,65,65,65	0
59	MG	AA	4072	1/1	0.93	0.13	56,56,56,56	0
59	MG	CA	2153	1/1	0.93	0.12	76,76,76,76	0
59	MG	DA	3117	1/1	0.93	0.17	58,58,58,58	0
59	MG	DA	3980	1/1	0.93	0.59	65,65,65,65	0
59	MG	AA	4091	1/1	0.93	0.13	107,107,107,107	0
59	MG	BA	1811	1/1	0.93	0.04	65,65,65,65	0
59	MG	BA	2145	1/1	0.93	0.20	96,96,96,96	0
59	MG	AA	3881	1/1	0.93	0.12	72,72,72,72	0
59	MG	CA	1999	1/1	0.93	0.14	63,63,63,63	0
59	MG	DA	4624	1/1	0.93	0.12	68,68,68,68	0
59	MG	DA	3098	1/1	0.93	0.12	34,34,34,34	0
59	MG	AA	3854	1/1	0.93	0.25	71,71,71,71	0
59	MG	DA	3922	1/1	0.93	0.21	69,69,69,69	0
59	MG	DA	4843	1/1	0.93	0.30	72,72,72,72	0
59	MG	CA	1888	1/1	0.93	0.41	72,72,72,72	0
59	MG	AA	3192	1/1	0.93	0.11	39,39,39,39	0
59	MG	DA	3723	1/1	0.93	0.21	19,19,19,19	0
59	MG	DA	3317	1/1	0.93	0.13	86,86,86,86	0
59	MG	DA	4676	1/1	0.93	0.46	82,82,82,82	0
59	MG	BA	2056	1/1	0.93	0.27	69,69,69,69	0
59	MG	CC	101	1/1	0.93	0.22	41,41,41,41	0
59	MG	BD	119	1/1	0.93	0.40	84,84,84,84	0
59	MG	DA	3330	1/1	0.93	0.10	70,70,70,70	0
59	MG	AA	3273	1/1	0.93	0.15	30,30,30,30	0
59	MG	AA	4062	1/1	0.93	0.14	81,81,81,81	0
59	MG	DA	4606	1/1	0.93	0.69	41,41,41,41	0
59	MG	BA	1810	1/1	0.93	0.11	93,93,93,93	0
59	MG	DA	3569	1/1	0.93	0.20	21,21,21,21	0
59	MG	AA	3295	1/1	0.93	0.34	62,62,62,62	0
59	MG	AA	3626	1/1	0.93	0.22	48,48,48,48	0
59	MG	BC	110	1/1	0.93	0.14	56,56,56,56	0
59	MG	AA	3967	1/1	0.93	0.17	63,63,63,63	0
59	MG	DA	3970	1/1	0.93	0.22	50,50,50,50	0
59	MG	DA	4392	1/1	0.93	0.14	52,52,52,52	0
59	MG	AA	3947	1/1	0.93	0.24	84,84,84,84	0
59	MG	DA	4560	1/1	0.93	0.15	61,61,61,61	0
59	MG	AA	3755	1/1	0.93	0.08	63,63,63,63	0
59	MG	DA	4786	1/1	0.93	0.14	81,81,81,81	0
59	MG	BG	303	1/1	0.93	0.10	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4382	1/1	0.93	0.13	67,67,67,67	0
59	MG	CA	1895	1/1	0.93	0.15	58,58,58,58	0
59	MG	AA	3845	1/1	0.93	0.11	54,54,54,54	0
59	MG	DA	3479	1/1	0.93	0.29	74,74,74,74	0
59	MG	AA	3201	1/1	0.93	0.10	71,71,71,71	0
59	MG	DA	4322	1/1	0.93	0.33	65,65,65,65	0
59	MG	DA	3909	1/1	0.93	0.25	69,69,69,69	0
59	MG	DA	4868	1/1	0.93	0.13	70,70,70,70	0
59	MG	CA	1814	1/1	0.93	0.07	42,42,42,42	0
59	MG	AA	3953	1/1	0.93	0.13	60,60,60,60	0
59	MG	BB	104	1/1	0.93	0.14	71,71,71,71	0
59	MG	AA	3653	1/1	0.93	0.14	58,58,58,58	0
59	MG	BC	108	1/1	0.93	0.13	81,81,81,81	0
59	MG	DA	4979	1/1	0.93	0.26	47,47,47,47	0
59	MG	BA	1846	1/1	0.93	0.13	63,63,63,63	0
59	MG	BA	2175	1/1	0.93	0.17	81,81,81,81	0
59	MG	DA	4789	1/1	0.93	0.21	46,46,46,46	0
59	MG	DA	3591	1/1	0.93	0.15	16,16,16,16	0
59	MG	BA	1843	1/1	0.93	0.07	63,63,63,63	0
59	MG	DA	3625	1/1	0.93	0.34	19,19,19,19	0
59	MG	AA	3142	1/1	0.93	0.09	12,12,12,12	0
59	MG	CA	1705	1/1	0.93	0.30	54,54,54,54	0
59	MG	BA	1684	1/1	0.93	0.13	36,36,36,36	0
59	MG	AA	3162	1/1	0.93	0.10	48,48,48,48	0
59	MG	DA	3359	1/1	0.93	0.30	43,43,43,43	0
59	MG	AA	3157	1/1	0.93	0.31	73,73,73,73	0
59	MG	AA	3887	1/1	0.93	0.17	70,70,70,70	0
59	MG	BA	1728	1/1	0.93	0.14	47,47,47,47	0
59	MG	BA	2072	1/1	0.93	0.14	72,72,72,72	0
59	MG	DA	4677	1/1	0.93	0.18	61,61,61,61	0
59	MG	DA	3853	1/1	0.93	0.24	71,71,71,71	0
59	MG	DA	4255	1/1	0.93	0.30	54,54,54,54	0
59	MG	DA	4399	1/1	0.93	0.25	47,47,47,47	0
59	MG	DA	3176	1/1	0.93	0.23	39,39,39,39	0
59	MG	AA	4135	1/1	0.93	0.14	64,64,64,64	0
59	MG	DA	3264	1/1	0.93	0.26	28,28,28,28	0
59	MG	CA	2281	1/1	0.93	0.12	100,100,100,100	0
59	MG	AP	201	1/1	0.93	0.16	95,95,95,95	0
59	MG	AA	3737	1/1	0.93	0.13	55,55,55,55	0
59	MG	CG	311	1/1	0.93	0.20	150,150,150,150	0
59	MG	AA	3803	1/1	0.93	0.17	72,72,72,72	0
59	MG	DA	4921	1/1	0.93	0.27	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3512	1/1	0.93	0.09	31,31,31,31	0
59	MG	A1	202	1/1	0.93	0.46	61,61,61,61	0
59	MG	CA	2098	1/1	0.93	0.09	64,64,64,64	0
59	MG	DA	3336	1/1	0.93	0.13	36,36,36,36	0
59	MG	DA	4476	1/1	0.93	0.11	64,64,64,64	0
59	MG	DA	4944	1/1	0.93	0.22	56,56,56,56	0
59	MG	DA	4538	1/1	0.93	0.27	92,92,92,92	0
59	MG	A5	102	1/1	0.93	0.27	28,28,28,28	0
59	MG	CA	2283	1/1	0.93	0.11	68,68,68,68	0
59	MG	AA	3987	1/1	0.93	0.16	54,54,54,54	0
59	MG	BA	2065	1/1	0.93	0.14	73,73,73,73	0
59	MG	CA	2078	1/1	0.93	0.20	75,75,75,75	0
59	MG	DA	3100	1/1	0.93	0.19	36,36,36,36	0
59	MG	CK	206	1/1	0.93	0.21	62,62,62,62	0
59	MG	DA	3930	1/1	0.93	0.22	72,72,72,72	0
59	MG	AA	3891	1/1	0.93	0.30	105,105,105,105	0
59	MG	DA	4182	1/1	0.93	0.40	82,82,82,82	0
59	MG	CA	1922	1/1	0.93	0.09	84,84,84,84	0
59	MG	CA	1986	1/1	0.93	0.13	95,95,95,95	0
59	MG	DA	4432	1/1	0.93	0.16	58,58,58,58	0
59	MG	DA	3084	1/1	0.93	0.29	10,10,10,10	0
59	MG	DA	4368	1/1	0.93	0.15	51,51,51,51	0
59	MG	AA	3782	1/1	0.93	0.43	101,101,101,101	0
59	MG	AA	3762	1/1	0.93	0.18	63,63,63,63	0
59	MG	DA	4183	1/1	0.93	0.10	53,53,53,53	0
59	MG	DA	5022	1/1	0.93	0.09	82,82,82,82	0
59	MG	DA	4707	1/1	0.93	0.31	86,86,86,86	0
59	MG	DA	4436	1/1	0.93	0.06	76,76,76,76	0
59	MG	DA	5016	1/1	0.93	0.19	106,106,106,106	0
59	MG	AA	3127	1/1	0.93	0.09	46,46,46,46	0
59	MG	BW	206	1/1	0.93	0.07	56,56,56,56	0
59	MG	DA	3476	1/1	0.93	0.10	27,27,27,27	0
59	MG	DA	3978	1/1	0.93	0.56	82,82,82,82	0
59	MG	CA	1978	1/1	0.93	0.07	93,93,93,93	0
59	MG	DA	3951	1/1	0.93	0.25	136,136,136,136	0
59	MG	CA	2066	1/1	0.93	0.32	77,77,77,77	0
59	MG	DA	4320	1/1	0.93	0.17	50,50,50,50	0
59	MG	DA	4412	1/1	0.93	0.13	82,82,82,82	0
59	MG	AA	4045	1/1	0.93	0.10	57,57,57,57	0
59	MG	AA	4039	1/1	0.93	0.16	95,95,95,95	0
59	MG	CA	1602	1/1	0.93	0.16	89,89,89,89	0
59	MG	BA	1622	1/1	0.93	0.09	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1695	1/1	0.93	0.23	50,50,50,50	0
59	MG	DA	3318	1/1	0.93	0.14	72,72,72,72	0
59	MG	CA	1663	1/1	0.93	0.10	52,52,52,52	0
59	MG	DA	4469	1/1	0.93	0.43	52,52,52,52	0
59	MG	AA	3351	1/1	0.93	0.10	62,62,62,62	0
59	MG	DA	4919	1/1	0.93	0.31	58,58,58,58	0
59	MG	DA	4706	1/1	0.93	0.35	89,89,89,89	0
59	MG	CA	2288	1/1	0.93	0.24	74,74,74,74	0
59	MG	AA	3236	1/1	0.93	0.05	20,20,20,20	0
59	MG	CA	2038	1/1	0.93	0.09	74,74,74,74	0
59	MG	AA	3258	1/1	0.93	0.44	81,81,81,81	0
59	MG	AA	3787	1/1	0.93	0.12	70,70,70,70	0
59	MG	D1	207	1/1	0.93	0.25	64,64,64,64	0
59	MG	AA	3715	1/1	0.93	0.08	47,47,47,47	0
59	MG	BA	1875	1/1	0.93	0.08	125,125,125,125	0
59	MG	DA	3914	1/1	0.93	0.09	36,36,36,36	0
59	MG	BA	1946	1/1	0.93	0.15	70,70,70,70	0
59	MG	DF	316	1/1	0.93	0.21	84,84,84,84	0
59	MG	AA	3412	1/1	0.93	0.17	30,30,30,30	0
59	MG	DA	3204	1/1	0.93	0.15	50,50,50,50	0
59	MG	AA	4104	1/1	0.93	0.37	71,71,71,71	0
59	MG	AA	3123	1/1	0.93	0.20	47,47,47,47	0
59	MG	BA	2236	1/1	0.93	0.26	82,82,82,82	0
59	MG	DA	4966	1/1	0.93	0.14	64,64,64,64	0
59	MG	DA	3878	1/1	0.93	0.26	60,60,60,60	0
59	MG	AT	104	1/1	0.93	0.29	89,89,89,89	0
59	MG	DF	321	1/1	0.93	0.50	55,55,55,55	0
59	MG	DB	264	1/1	0.93	0.13	44,44,44,44	0
59	MG	DA	4383	1/1	0.93	0.45	85,85,85,85	0
59	MG	DA	5073	1/1	0.93	0.47	127,127,127,127	0
59	MG	CB	110	1/1	0.93	0.10	39,39,39,39	0
59	MG	DA	4840	1/1	0.93	0.29	111,111,111,111	0
59	MG	AA	3900	1/1	0.93	0.32	105,105,105,105	0
59	MG	AA	3415	1/1	0.93	0.06	63,63,63,63	0
59	MG	BA	1627	1/1	0.93	0.37	60,60,60,60	0
59	MG	DA	3293	1/1	0.93	0.12	35,35,35,35	0
59	MG	DA	4305	1/1	0.93	0.19	46,46,46,46	0
59	MG	BS	102	1/1	0.93	0.06	69,69,69,69	0
59	MG	AA	3246	1/1	0.93	0.20	45,45,45,45	0
59	MG	CA	1691	1/1	0.93	0.16	33,33,33,33	0
59	MG	DA	4104	1/1	0.93	0.36	76,76,76,76	0
59	MG	BA	2181	1/1	0.93	0.17	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2121	1/1	0.93	0.32	84,84,84,84	0
59	MG	AA	3673	1/1	0.93	0.27	56,56,56,56	0
59	MG	CA	2249	1/1	0.93	0.09	68,68,68,68	0
59	MG	AA	3308	1/1	0.93	0.10	38,38,38,38	0
59	MG	DA	3272	1/1	0.93	0.25	29,29,29,29	0
59	MG	AA	4132	1/1	0.93	0.17	68,68,68,68	0
59	MG	AA	3858	1/1	0.93	0.21	76,76,76,76	0
59	MG	AT	102	1/1	0.93	0.14	57,57,57,57	0
59	MG	CA	1642	1/1	0.93	0.10	25,25,25,25	0
59	MG	AA	3721	1/1	0.93	0.69	82,82,82,82	0
59	MG	CA	1623	1/1	0.93	0.31	49,49,49,49	0
59	MG	CD	119	1/1	0.93	0.14	60,60,60,60	0
59	MG	AA	3023	1/1	0.93	0.21	59,59,59,59	0
59	MG	BA	1730	1/1	0.93	0.12	37,37,37,37	0
59	MG	AA	3197	1/1	0.93	0.11	50,50,50,50	0
59	MG	AB	232	1/1	0.93	0.27	70,70,70,70	0
59	MG	DA	3382	1/1	0.93	0.35	47,47,47,47	0
59	MG	DA	3636	1/1	0.93	0.10	46,46,46,46	0
59	MG	DA	4093	1/1	0.93	0.25	85,85,85,85	0
59	MG	AA	3618	1/1	0.93	0.15	89,89,89,89	0
59	MG	CA	1976	1/1	0.93	0.21	88,88,88,88	0
59	MG	AA	3019	1/1	0.93	0.30	31,31,31,31	0
59	MG	DA	3457	1/1	0.93	0.28	76,76,76,76	0
59	MG	CA	1657	1/1	0.93	0.19	35,35,35,35	0
59	MG	C1	105	1/1	0.93	0.43	89,89,89,89	0
59	MG	BA	2108	1/1	0.93	0.22	154,154,154,154	0
59	MG	CA	1608	1/1	0.93	0.31	48,48,48,48	0
59	MG	BA	1824	1/1	0.93	0.11	107,107,107,107	0
59	MG	DA	4528	1/1	0.93	0.15	65,65,65,65	0
59	MG	DA	4124	1/1	0.93	0.08	58,58,58,58	0
59	MG	BA	2015	1/1	0.93	0.16	71,71,71,71	0
59	MG	AA	3307	1/1	0.93	0.19	50,50,50,50	0
59	MG	AA	3977	1/1	0.93	0.32	56,56,56,56	0
59	MG	CA	1788	1/1	0.93	0.07	79,79,79,79	0
59	MG	CA	2301	1/1	0.93	0.14	55,55,55,55	0
59	MG	DA	3551	1/1	0.93	0.28	29,29,29,29	0
59	MG	D0	204	1/1	0.93	0.19	27,27,27,27	0
59	MG	AA	3972	1/1	0.93	0.65	60,60,60,60	0
59	MG	BA	1848	1/1	0.93	0.10	56,56,56,56	0
59	MG	BA	1860	1/1	0.93	0.07	60,60,60,60	0
59	MG	CA	1601	1/1	0.93	0.08	41,41,41,41	0
59	MG	AF	307	1/1	0.93	0.24	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2165	1/1	0.93	0.10	61,61,61,61	0
59	MG	CA	2091	1/1	0.93	0.25	68,68,68,68	0
59	MG	DA	3553	1/1	0.93	0.39	89,89,89,89	0
59	MG	DA	4243	1/1	0.93	0.17	59,59,59,59	0
59	MG	DA	4678	1/1	0.93	0.13	68,68,68,68	0
59	MG	DA	4774	1/1	0.93	0.16	70,70,70,70	0
59	MG	AO	207	1/1	0.93	0.33	102,102,102,102	0
59	MG	DA	3489	1/1	0.93	0.11	41,41,41,41	0
59	MG	DA	3812	1/1	0.93	0.10	73,73,73,73	0
59	MG	AA	3264	1/1	0.93	0.15	43,43,43,43	0
59	MG	CC	104	1/1	0.93	0.08	23,23,23,23	0
59	MG	AA	3164	1/1	0.93	0.27	79,79,79,79	0
59	MG	DA	5023	1/1	0.93	0.21	62,62,62,62	0
59	MG	AA	3269	1/1	0.93	0.26	61,61,61,61	0
59	MG	CK	201	1/1	0.93	0.33	102,102,102,102	0
59	MG	DA	4073	1/1	0.93	0.33	106,106,106,106	0
59	MG	CA	1958	1/1	0.93	0.18	75,75,75,75	0
59	MG	AA	3242	1/1	0.93	0.25	56,56,56,56	0
59	MG	AA	3556	1/1	0.93	0.20	74,74,74,74	0
59	MG	D3	104	1/1	0.93	0.20	32,32,32,32	0
59	MG	DA	4640	1/1	0.93	0.21	66,66,66,66	0
59	MG	DA	4991	1/1	0.93	0.21	123,123,123,123	0
59	MG	DA	3315	1/1	0.93	0.26	28,28,28,28	0
59	MG	BA	2054	1/1	0.93	0.19	68,68,68,68	0
59	MG	DA	3730	1/1	0.93	0.28	47,47,47,47	0
59	MG	DA	4519	1/1	0.93	0.13	118,118,118,118	0
59	MG	BA	1692	1/1	0.93	0.23	34,34,34,34	0
59	MG	DA	3008	1/1	0.93	0.26	10,10,10,10	0
59	MG	BA	1887	1/1	0.93	0.17	56,56,56,56	0
59	MG	DA	4578	1/1	0.93	0.16	95,95,95,95	0
59	MG	BA	1948	1/1	0.93	0.34	75,75,75,75	0
59	MG	BA	1889	1/1	0.93	0.07	37,37,37,37	0
59	MG	DA	4763	1/1	0.93	0.45	51,51,51,51	0
59	MG	DA	3378	1/1	0.93	0.36	55,55,55,55	0
59	MG	DA	4373	1/1	0.93	0.20	62,62,62,62	0
59	MG	AA	4113	1/1	0.93	0.50	92,92,92,92	0
59	MG	AA	3410	1/1	0.93	0.29	84,84,84,84	0
59	MG	DA	3548	1/1	0.93	0.24	58,58,58,58	0
59	MG	DA	4785	1/1	0.94	0.13	75,75,75,75	0
59	MG	DA	4633	1/1	0.94	0.25	66,66,66,66	0
59	MG	AA	3602	1/1	0.94	0.08	102,102,102,102	0
59	MG	AA	3302	1/1	0.94	0.13	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	5034	1/1	0.94	0.34	76,76,76,76	0
59	MG	DA	4097	1/1	0.94	0.19	64,64,64,64	0
59	MG	DA	4941	1/1	0.94	0.52	88,88,88,88	0
59	MG	BA	1649	1/1	0.94	0.25	63,63,63,63	0
59	MG	AA	4139	1/1	0.94	0.10	67,67,67,67	0
59	MG	DA	4807	1/1	0.94	0.29	68,68,68,68	0
59	MG	BA	2008	1/1	0.94	0.07	50,50,50,50	0
59	MG	DU	201	1/1	0.94	0.13	36,36,36,36	0
59	MG	BA	1625	1/1	0.94	0.28	74,74,74,74	0
59	MG	CS	102	1/1	0.94	0.15	65,65,65,65	0
59	MG	DA	4153	1/1	0.94	0.23	48,48,48,48	0
59	MG	DX	101	1/1	0.94	0.15	59,59,59,59	0
59	MG	CA	2100	1/1	0.94	0.17	40,40,40,40	0
59	MG	DA	3982	1/1	0.94	0.38	106,106,106,106	0
59	MG	DA	3054	1/1	0.94	0.15	11,11,11,11	0
59	MG	DA	3590	1/1	0.94	0.19	46,46,46,46	0
59	MG	AA	3654	1/1	0.94	0.18	59,59,59,59	0
59	MG	A6	102	1/1	0.94	0.07	60,60,60,60	0
59	MG	AA	3708	1/1	0.94	0.15	49,49,49,49	0
59	MG	CA	1720	1/1	0.94	0.38	80,80,80,80	0
59	MG	AA	3318	1/1	0.94	0.28	65,65,65,65	0
59	MG	DA	3151	1/1	0.94	0.25	49,49,49,49	0
59	MG	CR	102	1/1	0.94	0.16	43,43,43,43	0
59	MG	AA	3907	1/1	0.94	1.04	57,57,57,57	0
59	MG	CB	104	1/1	0.94	0.13	51,51,51,51	0
59	MG	DA	4371	1/1	0.94	0.27	57,57,57,57	0
59	MG	AA	3861	1/1	0.94	0.30	99,99,99,99	0
59	MG	AA	3424	1/1	0.94	0.13	54,54,54,54	0
59	MG	DA	3138	1/1	0.94	0.21	44,44,44,44	0
59	MG	DA	3884	1/1	0.94	0.27	60,60,60,60	0
59	MG	DA	4671	1/1	0.94	0.22	72,72,72,72	0
59	MG	AA	4053	1/1	0.94	0.17	63,63,63,63	0
59	MG	DA	3614	1/1	0.94	0.20	53,53,53,53	0
59	MG	DA	4259	1/1	0.94	0.18	54,54,54,54	0
59	MG	AA	4038	1/1	0.94	0.14	77,77,77,77	0
59	MG	DF	301	1/1	0.94	0.17	28,28,28,28	0
59	MG	CA	2203	1/1	0.94	0.11	84,84,84,84	0
59	MG	D6	101	1/1	0.94	0.27	63,63,63,63	0
59	MG	DA	3759	1/1	0.94	0.13	84,84,84,84	0
59	MG	CV	104	1/1	0.94	0.17	86,86,86,86	0
59	MG	AA	3016	1/1	0.94	0.14	9,9,9,9	0
59	MG	D0	201	1/1	0.94	0.30	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4197	1/1	0.94	0.19	51,51,51,51	0
59	MG	DA	4289	1/1	0.94	0.31	53,53,53,53	0
59	MG	AA	3373	1/1	0.94	0.15	48,48,48,48	0
59	MG	CA	2323	1/1	0.94	0.31	88,88,88,88	0
59	MG	BA	1952	1/1	0.94	0.32	70,70,70,70	0
59	MG	AA	3306	1/1	0.94	0.29	49,49,49,49	0
59	MG	DA	4749	1/1	0.94	0.22	78,78,78,78	0
59	MG	AA	3627	1/1	0.94	0.28	37,37,37,37	0
59	MG	BA	2103	1/1	0.94	0.14	80,80,80,80	0
59	MG	AA	3607	1/1	0.94	0.09	94,94,94,94	0
59	MG	BA	1614	1/1	0.94	0.33	73,73,73,73	0
59	MG	CA	1806	1/1	0.94	0.13	98,98,98,98	0
59	MG	DA	3178	1/1	0.94	0.27	49,49,49,49	0
59	MG	D0	210	1/1	0.94	0.15	75,75,75,75	0
59	MG	DD	303	1/1	0.94	0.13	16,16,16,16	0
59	MG	CA	1816	1/1	0.94	0.14	86,86,86,86	0
59	MG	CA	1786	1/1	0.94	0.22	93,93,93,93	0
59	MG	DA	3269	1/1	0.94	0.09	36,36,36,36	0
59	MG	CA	2143	1/1	0.94	0.20	57,57,57,57	0
59	MG	DA	4639	1/1	0.94	0.12	75,75,75,75	0
59	MG	AA	3534	1/1	0.94	0.18	32,32,32,32	0
59	MG	AA	3032	1/1	0.94	0.20	28,28,28,28	0
59	MG	DA	3762	1/1	0.94	0.18	89,89,89,89	0
59	MG	CB	102	1/1	0.94	0.10	65,65,65,65	0
59	MG	DA	4999	1/1	0.94	0.24	74,74,74,74	0
59	MG	DA	3932	1/1	0.94	0.20	53,53,53,53	0
59	MG	DA	4085	1/1	0.94	0.21	60,60,60,60	0
59	MG	DB	242	1/1	0.94	0.31	61,61,61,61	0
59	MG	AA	3652	1/1	0.94	0.09	44,44,44,44	0
59	MG	CA	1871	1/1	0.94	0.14	98,98,98,98	0
59	MG	CA	2161	1/1	0.94	0.19	96,96,96,96	0
59	MG	AA	3834	1/1	0.94	0.19	79,79,79,79	0
59	MG	BA	1997	1/1	0.94	0.40	87,87,87,87	0
59	MG	DA	3777	1/1	0.94	0.29	107,107,107,107	0
59	MG	AA	3184	1/1	0.94	0.24	49,49,49,49	0
59	MG	BA	1918	1/1	0.94	0.07	74,74,74,74	0
59	MG	CA	1947	1/1	0.94	0.12	82,82,82,82	0
59	MG	DA	3328	1/1	0.94	0.12	56,56,56,56	0
59	MG	AA	3099	1/1	0.94	0.11	33,33,33,33	0
59	MG	DA	3861	1/1	0.94	0.19	77,77,77,77	0
59	MG	CA	2013	1/1	0.94	0.11	46,46,46,46	0
59	MG	BA	1850	1/1	0.94	0.13	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1973	1/1	0.94	0.27	65,65,65,65	0
59	MG	AA	3842	1/1	0.94	0.13	67,67,67,67	0
59	MG	DA	4301	1/1	0.94	0.16	37,37,37,37	0
59	MG	BA	1630	1/1	0.94	0.21	78,78,78,78	0
59	MG	DA	4618	1/1	0.94	0.17	61,61,61,61	0
59	MG	DA	3837	1/1	0.94	0.28	61,61,61,61	0
59	MG	DA	3395	1/1	0.94	0.37	42,42,42,42	0
59	MG	DA	3939	1/1	0.94	0.12	47,47,47,47	0
59	MG	CA	1645	1/1	0.94	0.21	74,74,74,74	0
59	MG	DA	3635	1/1	0.94	0.19	33,33,33,33	0
59	MG	BA	2011	1/1	0.94	0.19	64,64,64,64	0
59	MG	DA	3849	1/1	0.94	0.12	63,63,63,63	0
59	MG	DA	3338	1/1	0.94	0.10	49,49,49,49	0
59	MG	DA	3429	1/1	0.94	0.30	30,30,30,30	0
59	MG	AA	4127	1/1	0.94	0.20	52,52,52,52	0
59	MG	BA	1685	1/1	0.94	0.13	45,45,45,45	0
59	MG	AA	3214	1/1	0.94	0.12	56,56,56,56	0
59	MG	BA	1790	1/1	0.94	0.09	56,56,56,56	0
59	MG	DA	3164	1/1	0.94	0.27	53,53,53,53	0
59	MG	CA	1903	1/1	0.94	0.14	56,56,56,56	0
59	MG	DA	4710	1/1	0.94	0.22	102,102,102,102	0
59	MG	DA	4170	1/1	0.94	0.32	46,46,46,46	0
59	MG	DA	4195	1/1	0.94	0.39	66,66,66,66	0
59	MG	AA	3619	1/1	0.94	0.08	64,64,64,64	0
59	MG	DA	3597	1/1	0.94	0.36	23,23,23,23	0
59	MG	DA	4845	1/1	0.94	0.60	43,43,43,43	0
59	MG	AA	3840	1/1	0.94	0.12	77,77,77,77	0
59	MG	D8	109	1/1	0.94	0.15	69,69,69,69	0
59	MG	DH	204	1/1	0.94	0.38	87,87,87,87	0
59	MG	AA	3339	1/1	0.94	0.13	50,50,50,50	0
59	MG	AA	3761	1/1	0.94	0.13	40,40,40,40	0
59	MG	BA	1868	1/1	0.94	0.07	65,65,65,65	0
59	MG	AD	306	1/1	0.94	0.12	44,44,44,44	0
59	MG	AA	3745	1/1	0.94	0.18	57,57,57,57	0
59	MG	CC	119	1/1	0.94	0.16	46,46,46,46	0
59	MG	DA	4067	1/1	0.94	0.09	39,39,39,39	0
59	MG	DA	4602	1/1	0.94	0.34	71,71,71,71	0
59	MG	AA	3311	1/1	0.94	0.30	49,49,49,49	0
59	MG	CA	2032	1/1	0.94	0.24	69,69,69,69	0
59	MG	AA	3727	1/1	0.94	0.22	54,54,54,54	0
59	MG	CA	2225	1/1	0.94	0.13	70,70,70,70	0
59	MG	CA	1930	1/1	0.94	0.12	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3598	1/1	0.94	0.18	79,79,79,79	0
59	MG	DA	3926	1/1	0.94	0.35	49,49,49,49	0
59	MG	CA	2119	1/1	0.94	0.25	76,76,76,76	0
59	MG	CC	107	1/1	0.94	0.38	56,56,56,56	0
59	MG	DA	3953	1/1	0.94	0.16	84,84,84,84	0
59	MG	DA	3150	1/1	0.94	0.30	39,39,39,39	0
59	MG	BA	1845	1/1	0.94	0.11	92,92,92,92	0
59	MG	BS	107	1/1	0.94	0.11	90,90,90,90	0
59	MG	DE	301	1/1	0.94	0.18	19,19,19,19	0
59	MG	DA	4175	1/1	0.94	0.29	59,59,59,59	0
59	MG	DB	239	1/1	0.94	0.44	81,81,81,81	0
59	MG	AA	3035	1/1	0.94	0.07	17,17,17,17	0
59	MG	DA	4712	1/1	0.94	0.45	43,43,43,43	0
59	MG	CA	1932	1/1	0.94	0.23	51,51,51,51	0
59	MG	AA	3075	1/1	0.94	0.14	33,33,33,33	0
59	MG	DA	4334	1/1	0.94	0.46	70,70,70,70	0
59	MG	DA	4507	1/1	0.94	0.16	88,88,88,88	0
59	MG	DA	4489	1/1	0.94	0.20	42,42,42,42	0
59	MG	DA	3049	1/1	0.94	0.20	25,25,25,25	0
59	MG	DA	3104	1/1	0.94	0.10	42,42,42,42	0
59	MG	DA	3855	1/1	0.94	0.11	85,85,85,85	0
59	MG	BA	1962	1/1	0.94	0.13	73,73,73,73	0
59	MG	AA	3457	1/1	0.94	0.11	57,57,57,57	0
59	MG	CA	2144	1/1	0.94	0.20	61,61,61,61	0
59	MG	BA	1941	1/1	0.94	0.11	58,58,58,58	0
59	MG	BA	1891	1/1	0.94	0.09	60,60,60,60	0
59	MG	DA	4116	1/1	0.94	0.36	78,78,78,78	0
59	MG	DA	3285	1/1	0.94	0.41	56,56,56,56	0
59	MG	AA	3666	1/1	0.94	0.20	52,52,52,52	0
59	MG	DA	3415	1/1	0.94	0.46	49,49,49,49	0
59	MG	DA	4586	1/1	0.94	0.24	78,78,78,78	0
59	MG	AA	3166	1/1	0.94	0.11	65,65,65,65	0
59	MG	DO	217	1/1	0.94	0.35	52,52,52,52	0
59	MG	DA	4178	1/1	0.94	0.40	61,61,61,61	0
59	MG	AA	3443	1/1	0.94	0.21	77,77,77,77	0
59	MG	DA	4755	1/1	0.94	0.25	80,80,80,80	0
59	MG	AA	3586	1/1	0.94	0.04	41,41,41,41	0
59	MG	DA	4429	1/1	0.94	0.15	55,55,55,55	0
59	MG	AA	4114	1/1	0.94	0.16	92,92,92,92	0
59	MG	AA	3687	1/1	0.94	0.17	43,43,43,43	0
59	MG	CA	1653	1/1	0.94	0.27	47,47,47,47	0
59	MG	BA	2159	1/1	0.94	0.19	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3811	1/1	0.94	0.11	58,58,58,58	0
59	MG	CA	2026	1/1	0.94	0.07	69,69,69,69	0
59	MG	DA	4035	1/1	0.94	0.54	52,52,52,52	0
59	MG	DA	3088	1/1	0.94	0.27	12,12,12,12	0
59	MG	AA	3429	1/1	0.94	0.14	60,60,60,60	0
59	MG	DA	3199	1/1	0.94	0.31	29,29,29,29	0
59	MG	BA	1717	1/1	0.94	0.17	55,55,55,55	0
59	MG	AA	4065	1/1	0.94	0.18	68,68,68,68	0
59	MG	BA	2034	1/1	0.94	0.21	68,68,68,68	0
59	MG	AA	3155	1/1	0.94	0.16	46,46,46,46	0
59	MG	AA	3355	1/1	0.94	0.34	48,48,48,48	0
59	MG	AA	3930	1/1	0.94	0.66	46,46,46,46	0
59	MG	DA	3220	1/1	0.94	0.16	37,37,37,37	0
59	MG	CA	1952	1/1	0.94	0.14	94,94,94,94	0
59	MG	DA	3791	1/1	0.94	0.26	109,109,109,109	0
59	MG	DA	3312	1/1	0.94	0.34	49,49,49,49	0
59	MG	CA	2261	1/1	0.94	0.13	66,66,66,66	0
59	MG	DA	3250	1/1	0.94	0.19	13,13,13,13	0
59	MG	DB	241	1/1	0.94	0.17	66,66,66,66	0
59	MG	DA	4120	1/1	0.94	0.11	48,48,48,48	0
59	MG	DA	4654	1/1	0.94	0.17	69,69,69,69	0
59	MG	DA	3304	1/1	0.94	0.13	43,43,43,43	0
59	MG	DA	4014	1/1	0.94	0.22	50,50,50,50	0
59	MG	CA	1618	1/1	0.94	0.12	24,24,24,24	0
59	MG	DA	3261	1/1	0.94	0.20	34,34,34,34	0
59	MG	AA	3515	1/1	0.94	0.15	20,20,20,20	0
59	MG	AA	3451	1/1	0.94	0.11	89,89,89,89	0
59	MG	DA	3194	1/1	0.94	0.21	57,57,57,57	0
59	MG	AA	3832	1/1	0.94	0.14	63,63,63,63	0
59	MG	DA	3802	1/1	0.94	0.11	88,88,88,88	0
59	MG	BA	1882	1/1	0.94	0.29	42,42,42,42	0
59	MG	DA	3055	1/1	0.94	0.41	21,21,21,21	0
59	MG	DA	4523	1/1	0.94	0.16	51,51,51,51	0
59	MG	AA	3860	1/1	0.94	0.09	83,83,83,83	0
59	MG	DA	3132	1/1	0.94	0.37	34,34,34,34	0
59	MG	DA	3717	1/1	0.94	0.10	1,1,1,1	0
59	MG	AA	3327	1/1	0.94	0.21	45,45,45,45	0
59	MG	BA	1643	1/1	0.94	0.37	53,53,53,53	0
59	MG	CA	2294	1/1	0.94	0.14	80,80,80,80	0
59	MG	DA	4437	1/1	0.94	0.25	27,27,27,27	0
59	MG	AA	3516	1/1	0.94	0.14	35,35,35,35	0
59	MG	CA	1706	1/1	0.94	0.19	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3234	1/1	0.94	0.24	17,17,17,17	0
59	MG	DA	3848	1/1	0.94	0.45	35,35,35,35	0
59	MG	DA	3115	1/1	0.94	0.23	34,34,34,34	0
59	MG	CA	1884	1/1	0.94	0.14	64,64,64,64	0
59	MG	AA	3684	1/1	0.94	0.17	58,58,58,58	0
59	MG	AA	3256	1/1	0.94	0.21	62,62,62,62	0
59	MG	DO	208	1/1	0.94	0.23	59,59,59,59	0
59	MG	DA	3942	1/1	0.94	0.17	64,64,64,64	0
59	MG	DU	212	1/1	0.94	0.73	75,75,75,75	0
59	MG	DZ	105	1/1	0.94	0.40	54,54,54,54	0
59	MG	DA	4126	1/1	0.94	0.25	57,57,57,57	0
59	MG	DA	3571	1/1	0.94	0.29	93,93,93,93	0
59	MG	DF	317	1/1	0.94	0.09	64,64,64,64	0
59	MG	AA	3615	1/1	0.94	0.08	47,47,47,47	0
59	MG	DA	3491	1/1	0.94	0.13	78,78,78,78	0
59	MG	AA	3702	1/1	0.94	0.17	62,62,62,62	0
59	MG	AA	3400	1/1	0.94	0.21	58,58,58,58	0
59	MG	CA	1820	1/1	0.94	0.08	67,67,67,67	0
59	MG	DA	3018	1/1	0.94	0.24	20,20,20,20	0
59	MG	DA	4137	1/1	0.94	0.21	39,39,39,39	0
59	MG	DA	3081	1/1	0.94	0.34	24,24,24,24	0
59	MG	DA	4318	1/1	0.94	0.14	50,50,50,50	0
59	MG	DO	205	1/1	0.94	0.30	52,52,52,52	0
59	MG	BA	1733	1/1	0.94	0.07	46,46,46,46	0
59	MG	DA	3803	1/1	0.94	0.14	54,54,54,54	0
59	MG	DA	3756	1/1	0.94	0.29	126,126,126,126	0
59	MG	D1	209	1/1	0.94	0.27	65,65,65,65	0
59	MG	DA	4206	1/1	0.94	0.16	45,45,45,45	0
59	MG	DF	322	1/1	0.94	0.81	40,40,40,40	0
59	MG	DA	3550	1/1	0.94	0.23	96,96,96,96	0
59	MG	CA	1723	1/1	0.94	0.19	61,61,61,61	0
59	MG	CA	1931	1/1	0.94	0.23	64,64,64,64	0
59	MG	CA	1641	1/1	0.94	0.17	28,28,28,28	0
59	MG	BA	1670	1/1	0.94	0.11	50,50,50,50	0
59	MG	BH	203	1/1	0.94	0.13	89,89,89,89	0
59	MG	AA	3279	1/1	0.94	0.17	45,45,45,45	0
59	MG	DA	4736	1/1	0.94	0.17	77,77,77,77	0
59	MG	AA	3847	1/1	0.94	0.17	84,84,84,84	0
59	MG	BA	1901	1/1	0.94	0.08	82,82,82,82	0
59	MG	AA	3495	1/1	0.94	0.27	56,56,56,56	0
59	MG	DA	4970	1/1	0.94	0.35	87,87,87,87	0
59	MG	DA	3772	1/1	0.94	0.16	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1669	1/1	0.94	0.21	40,40,40,40	0
59	MG	DA	3048	1/1	0.94	0.14	15,15,15,15	0
59	MG	CA	1674	1/1	0.94	0.37	60,60,60,60	0
59	MG	DA	3337	1/1	0.94	0.27	44,44,44,44	0
59	MG	DA	4171	1/1	0.94	0.14	45,45,45,45	0
59	MG	DA	4238	1/1	0.94	0.22	52,52,52,52	0
59	MG	CA	1740	1/1	0.94	0.27	48,48,48,48	0
59	MG	CA	1991	1/1	0.94	0.12	76,76,76,76	0
59	MG	DA	4423	1/1	0.94	0.29	73,73,73,73	0
59	MG	BA	1989	1/1	0.94	0.04	75,75,75,75	0
59	MG	AA	3735	1/1	0.94	0.07	50,50,50,50	0
59	MG	CA	1649	1/1	0.94	0.08	47,47,47,47	0
59	MG	AA	3372	1/1	0.94	0.15	52,52,52,52	0
59	MG	DA	4353	1/1	0.94	0.48	45,45,45,45	0
59	MG	CA	1993	1/1	0.94	0.08	91,91,91,91	0
59	MG	DA	3608	1/1	0.94	0.27	60,60,60,60	0
59	MG	DW	106	1/1	0.94	0.19	61,61,61,61	0
59	MG	DA	4344	1/1	0.94	0.35	63,63,63,63	0
59	MG	DB	220	1/1	0.94	0.10	79,79,79,79	0
59	MG	CA	2176	1/1	0.94	0.06	62,62,62,62	0
59	MG	BP	201	1/1	0.94	0.12	61,61,61,61	0
59	MG	DA	5024	1/1	0.94	0.15	43,43,43,43	0
59	MG	D3	101	1/1	0.94	0.31	33,33,33,33	0
59	MG	AA	4148	1/1	0.94	0.28	87,87,87,87	0
59	MG	DA	4018	1/1	0.94	0.17	75,75,75,75	0
59	MG	DW	104	1/1	0.94	0.16	49,49,49,49	0
59	MG	CA	1768	1/1	0.94	0.14	48,48,48,48	0
59	MG	CA	1862	1/1	0.94	0.10	122,122,122,122	0
59	MG	DA	4235	1/1	0.94	0.13	44,44,44,44	0
59	MG	AA	3486	1/1	0.94	0.19	60,60,60,60	0
59	MG	DA	3103	1/1	0.94	0.38	49,49,49,49	0
59	MG	DA	4012	1/1	0.94	0.35	63,63,63,63	0
59	MG	DA	3681	1/1	0.94	0.08	73,73,73,73	0
59	MG	DA	4988	1/1	0.94	0.13	64,64,64,64	0
59	MG	CA	2082	1/1	0.94	0.09	63,63,63,63	0
59	MG	DA	3818	1/1	0.94	0.11	71,71,71,71	0
59	MG	AA	4122	1/1	0.94	0.08	83,83,83,83	0
59	MG	DA	4585	1/1	0.94	0.17	76,76,76,76	0
59	MG	DA	4071	1/1	0.94	0.25	55,55,55,55	0
59	MG	DA	3349	1/1	0.94	0.31	56,56,56,56	0
59	MG	AA	3754	1/1	0.94	0.13	73,73,73,73	0
59	MG	BA	2098	1/1	0.94	0.29	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3473	1/1	0.94	0.13	63,63,63,63	0
59	MG	AA	4092	1/1	0.94	0.16	90,90,90,90	0
59	MG	AA	3785	1/1	0.94	0.27	89,89,89,89	0
59	MG	DA	3430	1/1	0.94	0.19	60,60,60,60	0
59	MG	AA	3301	1/1	0.94	0.17	50,50,50,50	0
59	MG	CA	1749	1/1	0.94	0.13	68,68,68,68	0
59	MG	BA	2185	1/1	0.94	0.41	81,81,81,81	0
59	MG	AA	3681	1/1	0.94	0.07	65,65,65,65	0
59	MG	BA	2204	1/1	0.94	0.19	70,70,70,70	0
59	MG	DO	210	1/1	0.94	0.34	53,53,53,53	0
59	MG	DA	3090	1/1	0.94	0.15	13,13,13,13	0
59	MG	DA	3459	1/1	0.94	0.08	63,63,63,63	0
59	MG	DA	4415	1/1	0.94	0.14	74,74,74,74	0
59	MG	DA	4107	1/1	0.94	0.15	49,49,49,49	0
59	MG	DA	4096	1/1	0.94	0.38	73,73,73,73	0
59	MG	CS	101	1/1	0.94	0.09	61,61,61,61	0
59	MG	DA	3198	1/1	0.94	0.17	21,21,21,21	0
59	MG	DA	4181	1/1	0.94	0.20	81,81,81,81	0
59	MG	AA	3168	1/1	0.94	0.26	48,48,48,48	0
59	MG	DA	4703	1/1	0.94	0.30	49,49,49,49	0
59	MG	DA	3313	1/1	0.94	0.26	48,48,48,48	0
59	MG	CA	1621	1/1	0.94	0.16	45,45,45,45	0
59	MG	CA	2315	1/1	0.94	0.25	94,94,94,94	0
59	MG	BA	1711	1/1	0.94	0.22	68,68,68,68	0
59	MG	BA	1705	1/1	0.94	0.41	52,52,52,52	0
59	MG	BA	2263	1/1	0.94	0.23	71,71,71,71	0
59	MG	DA	4086	1/1	0.94	0.23	98,98,98,98	0
59	MG	DB	250	1/1	0.94	0.32	74,74,74,74	0
59	MG	DA	3527	1/1	0.94	0.12	46,46,46,46	0
59	MG	AA	4157	1/1	0.94	0.10	76,76,76,76	0
59	MG	DA	3648	1/1	0.94	0.17	51,51,51,51	0
59	MG	DA	4278	1/1	0.94	0.34	62,62,62,62	0
59	MG	BA	2240	1/1	0.94	0.07	86,86,86,86	0
59	MG	AA	4057	1/1	0.94	0.20	74,74,74,74	0
59	MG	CC	122	1/1	0.94	0.23	69,69,69,69	0
59	MG	DA	3301	1/1	0.94	0.11	29,29,29,29	0
59	MG	DA	3139	1/1	0.94	0.28	45,45,45,45	0
59	MG	AA	4158	1/1	0.94	0.14	93,93,93,93	0
59	MG	DA	3288	1/1	0.94	0.13	52,52,52,52	0
59	MG	CA	1989	1/1	0.94	0.22	60,60,60,60	0
59	MG	DA	4659	1/1	0.94	0.18	68,68,68,68	0
59	MG	DA	4356	1/1	0.94	0.44	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3321	1/1	0.94	0.29	34,34,34,34	0
59	MG	CP	203	1/1	0.94	0.23	77,77,77,77	0
59	MG	DA	3515	1/1	0.94	0.11	28,28,28,28	0
59	MG	CB	120	1/1	0.94	0.38	100,100,100,100	0
59	MG	CQ	103	1/1	0.94	0.15	51,51,51,51	0
59	MG	AA	3704	1/1	0.94	0.13	59,59,59,59	0
59	MG	DA	3469	1/1	0.94	0.28	63,63,63,63	0
59	MG	DY	203	1/1	0.94	0.18	75,75,75,75	0
59	MG	DA	3227	1/1	0.94	0.44	52,52,52,52	0
59	MG	DA	3287	1/1	0.94	0.23	78,78,78,78	0
59	MG	DA	4428	1/1	0.94	0.17	64,64,64,64	0
59	MG	DA	3400	1/1	0.94	0.24	48,48,48,48	0
59	MG	DA	4619	1/1	0.94	0.17	49,49,49,49	0
59	MG	DA	3593	1/1	0.94	0.28	29,29,29,29	0
59	MG	AA	3656	1/1	0.94	0.17	37,37,37,37	0
59	MG	BU	1601	1/1	0.94	0.09	56,56,56,56	0
59	MG	CA	2196	1/1	0.94	0.12	62,62,62,62	0
59	MG	BA	2177	1/1	0.94	0.25	67,67,67,67	0
59	MG	BA	2155	1/1	0.94	0.15	71,71,71,71	0
59	MG	CA	1815	1/1	0.94	0.09	66,66,66,66	0
59	MG	BD	104	1/1	0.94	0.25	51,51,51,51	0
59	MG	DA	3209	1/1	0.95	0.25	33,33,33,33	0
59	MG	CA	2131	1/1	0.95	0.20	61,61,61,61	0
59	MG	AA	4125	1/1	0.95	0.10	69,69,69,69	0
59	MG	CB	119	1/1	0.95	0.03	69,69,69,69	0
59	MG	DA	3540	1/1	0.95	0.22	74,74,74,74	0
59	MG	AA	3104	1/1	0.95	0.29	54,54,54,54	0
59	MG	DA	3928	1/1	0.95	0.07	49,49,49,49	0
59	MG	DA	4932	1/1	0.95	0.21	69,69,69,69	0
59	MG	DA	4033	1/1	0.95	0.22	103,103,103,103	0
59	MG	BA	1602	1/1	0.95	0.20	20,20,20,20	0
59	MG	BC	109	1/1	0.95	0.09	72,72,72,72	0
59	MG	DA	4579	1/1	0.95	0.16	81,81,81,81	0
59	MG	DA	4145	1/1	0.95	0.21	44,44,44,44	0
59	MG	AA	3992	1/1	0.95	0.14	75,75,75,75	0
59	MG	DA	4556	1/1	0.95	0.16	41,41,41,41	0
59	MG	AA	3156	1/1	0.95	0.20	55,55,55,55	0
59	MG	AA	3535	1/1	0.95	0.56	58,58,58,58	0
59	MG	BA	1687	1/1	0.95	0.06	41,41,41,41	0
59	MG	DA	3175	1/1	0.95	0.20	21,21,21,21	0
59	MG	DA	4288	1/1	0.95	0.22	72,72,72,72	0
59	MG	DA	4389	1/1	0.95	0.35	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3806	1/1	0.95	0.25	55,55,55,55	0
59	MG	CA	1945	1/1	0.95	0.14	78,78,78,78	0
59	MG	DB	232	1/1	0.95	0.38	54,54,54,54	0
59	MG	DA	4306	1/1	0.95	0.23	45,45,45,45	0
59	MG	DO	203	1/1	0.95	0.35	32,32,32,32	0
59	MG	DA	3467	1/1	0.95	0.45	75,75,75,75	0
59	MG	DA	4011	1/1	0.95	0.17	52,52,52,52	0
59	MG	DA	3197	1/1	0.95	0.10	19,19,19,19	0
59	MG	DA	3927	1/1	0.95	0.14	66,66,66,66	0
59	MG	AA	3086	1/1	0.95	0.23	35,35,35,35	0
59	MG	DA	3779	1/1	0.95	0.35	155,155,155,155	0
59	MG	AA	3216	1/1	0.95	0.21	40,40,40,40	0
59	MG	CA	2141	1/1	0.95	0.17	60,60,60,60	0
59	MG	AA	3511	1/1	0.95	0.15	26,26,26,26	0
59	MG	DA	3073	1/1	0.95	0.21	16,16,16,16	0
59	MG	DA	4087	1/1	0.95	0.18	45,45,45,45	0
59	MG	DA	4722	1/1	0.95	0.15	109,109,109,109	0
59	MG	DA	4232	1/1	0.95	0.33	68,68,68,68	0
59	MG	DA	4687	1/1	0.95	0.17	76,76,76,76	0
59	MG	CA	1824	1/1	0.95	0.15	102,102,102,102	0
59	MG	BA	2016	1/1	0.95	0.10	78,78,78,78	0
59	MG	AD	309	1/1	0.95	0.35	48,48,48,48	0
59	MG	DA	3720	1/1	0.95	0.21	46,46,46,46	0
59	MG	DA	3752	1/1	0.95	0.11	103,103,103,103	0
59	MG	CA	1837	1/1	0.95	0.15	79,79,79,79	0
59	MG	DB	249	1/1	0.95	0.24	84,84,84,84	0
59	MG	DA	4953	1/1	0.95	0.12	63,63,63,63	0
59	MG	BA	1977	1/1	0.95	0.06	85,85,85,85	0
59	MG	DA	3934	1/1	0.95	0.08	45,45,45,45	0
59	MG	AA	3939	1/1	0.95	0.18	54,54,54,54	0
59	MG	BA	1883	1/1	0.95	0.42	64,64,64,64	0
59	MG	AA	4164	1/1	0.95	0.16	80,80,80,80	0
59	MG	DA	4567	1/1	0.95	0.11	51,51,51,51	0
59	MG	DA	4361	1/1	0.95	0.37	47,47,47,47	0
59	MG	DA	4094	1/1	0.95	0.15	41,41,41,41	0
59	MG	AD	305	1/1	0.95	0.25	53,53,53,53	0
59	MG	AA	3062	1/1	0.95	0.09	29,29,29,29	0
59	MG	DA	4287	1/1	0.95	0.20	73,73,73,73	0
59	MG	BA	1666	1/1	0.95	0.12	43,43,43,43	0
59	MG	BA	2147	1/1	0.95	0.06	107,107,107,107	0
59	MG	DA	4950	1/1	0.95	0.28	125,125,125,125	0
59	MG	DA	3502	1/1	0.95	0.58	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3551	1/1	0.95	0.35	44,44,44,44	0
59	MG	DA	3003	1/1	0.95	0.20	11,11,11,11	0
59	MG	DA	3099	1/1	0.95	0.28	48,48,48,48	0
59	MG	AA	3774	1/1	0.95	0.18	79,79,79,79	0
59	MG	DA	3708	1/1	0.95	0.25	9,9,9,9	0
59	MG	AA	3310	1/1	0.95	0.19	47,47,47,47	0
59	MG	BA	1781	1/1	0.95	0.15	69,69,69,69	0
59	MG	DA	4339	1/1	0.95	0.27	71,71,71,71	0
59	MG	DB	259	1/1	0.95	0.35	69,69,69,69	0
59	MG	AD	304	1/1	0.95	0.08	65,65,65,65	0
59	MG	BA	1613	1/1	0.95	0.45	84,84,84,84	0
59	MG	CD	113	1/1	0.95	0.09	75,75,75,75	0
59	MG	BA	1751	1/1	0.95	0.15	62,62,62,62	0
59	MG	AA	3040	1/1	0.95	0.21	37,37,37,37	0
59	MG	DF	324	1/1	0.95	0.25	76,76,76,76	0
59	MG	DA	3010	1/1	0.95	0.15	10,10,10,10	0
59	MG	DA	3771	1/1	0.95	0.09	92,92,92,92	0
59	MG	BA	1760	1/1	0.95	0.23	85,85,85,85	0
59	MG	DA	3159	1/1	0.95	0.15	47,47,47,47	0
59	MG	AA	3688	1/1	0.95	0.31	59,59,59,59	0
59	MG	BA	1697	1/1	0.95	0.43	52,52,52,52	0
59	MG	DA	3449	1/1	0.95	0.22	50,50,50,50	0
59	MG	DA	3140	1/1	0.95	0.29	26,26,26,26	0
59	MG	AA	3082	1/1	0.95	0.15	48,48,48,48	0
59	MG	DA	3351	1/1	0.95	0.22	39,39,39,39	0
59	MG	AA	3150	1/1	0.95	0.13	29,29,29,29	0
59	MG	DA	4358	1/1	0.95	0.15	56,56,56,56	0
59	MG	CA	1739	1/1	0.95	0.10	43,43,43,43	0
59	MG	BA	1954	1/1	0.95	0.19	104,104,104,104	0
59	MG	DA	4747	1/1	0.95	1.00	71,71,71,71	0
59	MG	AA	3838	1/1	0.95	0.10	102,102,102,102	0
59	MG	DA	3877	1/1	0.95	0.12	37,37,37,37	0
59	MG	DF	306	1/1	0.95	0.31	46,46,46,46	0
59	MG	DA	3808	1/1	0.95	0.12	77,77,77,77	0
59	MG	CA	2202	1/1	0.95	0.28	47,47,47,47	0
59	MG	DA	3554	1/1	0.95	0.32	51,51,51,51	0
59	MG	AA	3343	1/1	0.95	0.29	48,48,48,48	0
59	MG	AA	3635	1/1	0.95	0.13	54,54,54,54	0
59	MG	DA	3433	1/1	0.95	0.23	43,43,43,43	0
59	MG	DA	4500	1/1	0.95	0.12	53,53,53,53	0
59	MG	BA	1601	1/1	0.95	0.20	27,27,27,27	0
59	MG	BA	2024	1/1	0.95	0.10	111,111,111,111	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3875	1/1	0.95	0.06	67,67,67,67	0
59	MG	CA	1939	1/1	0.95	0.06	81,81,81,81	0
59	MG	AA	3488	1/1	0.95	0.15	68,68,68,68	0
59	MG	BA	1708	1/1	0.95	0.25	57,57,57,57	0
59	MG	DA	4453	1/1	0.95	0.24	49,49,49,49	0
59	MG	BA	1881	1/1	0.95	0.24	46,46,46,46	0
59	MG	DA	3141	1/1	0.95	0.24	42,42,42,42	0
59	MG	AA	3580	1/1	0.95	0.08	50,50,50,50	0
59	MG	AA	3072	1/1	0.95	0.24	21,21,21,21	0
59	MG	DA	4475	1/1	0.95	0.17	50,50,50,50	0
59	MG	DA	3280	1/1	0.95	0.12	32,32,32,32	0
59	MG	AA	3711	1/1	0.95	0.26	69,69,69,69	0
59	MG	DA	3171	1/1	0.95	0.28	36,36,36,36	0
59	MG	CA	2055	1/1	0.95	0.29	60,60,60,60	0
59	MG	DA	4010	1/1	0.95	0.12	91,91,91,91	0
59	MG	DA	4548	1/1	0.95	0.12	53,53,53,53	0
59	MG	CA	1673	1/1	0.95	0.20	97,97,97,97	0
59	MG	CA	1614	1/1	0.95	0.21	41,41,41,41	0
59	MG	AA	3493	1/1	0.95	0.07	76,76,76,76	0
59	MG	DW	102	1/1	0.95	0.19	37,37,37,37	0
59	MG	DA	3969	1/1	0.95	0.12	48,48,48,48	0
59	MG	DA	4072	1/1	0.95	0.11	48,48,48,48	0
59	MG	DA	3146	1/1	0.95	0.22	55,55,55,55	0
59	MG	AA	3843	1/1	0.95	0.18	81,81,81,81	0
59	MG	AA	3734	1/1	0.95	0.25	49,49,49,49	0
59	MG	DA	3093	1/1	0.95	0.20	13,13,13,13	0
59	MG	AA	3094	1/1	0.95	0.14	21,21,21,21	0
59	MG	DA	3334	1/1	0.95	0.30	40,40,40,40	0
59	MG	DA	3112	1/1	0.95	0.31	49,49,49,49	0
59	MG	AA	3906	1/1	0.95	0.30	67,67,67,67	0
59	MG	CA	1681	1/1	0.95	0.18	24,24,24,24	0
59	MG	DA	3210	1/1	0.95	0.21	32,32,32,32	0
59	MG	DA	4249	1/1	0.95	0.29	55,55,55,55	0
59	MG	AA	3585	1/1	0.95	0.15	45,45,45,45	0
59	MG	DA	4425	1/1	0.95	0.27	109,109,109,109	0
59	MG	DO	202	1/1	0.95	0.22	35,35,35,35	0
59	MG	AA	3468	1/1	0.95	0.09	22,22,22,22	0
59	MG	CA	1620	1/1	0.95	0.16	39,39,39,39	0
59	MG	DA	3233	1/1	0.95	0.13	26,26,26,26	0
59	MG	AA	3176	1/1	0.95	0.20	33,33,33,33	0
59	MG	CA	1696	1/1	0.95	0.18	33,33,33,33	0
59	MG	DA	3308	1/1	0.95	0.50	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2319	1/1	0.95	0.28	60,60,60,60	0
59	MG	DA	4032	1/1	0.95	0.21	86,86,86,86	0
59	MG	BA	1693	1/1	0.95	0.31	46,46,46,46	0
59	MG	DA	4467	1/1	0.95	0.19	50,50,50,50	0
59	MG	AA	4031	1/1	0.95	0.10	84,84,84,84	0
59	MG	DA	3144	1/1	0.95	0.20	36,36,36,36	0
59	MG	DA	3952	1/1	0.95	0.12	46,46,46,46	0
59	MG	BA	1763	1/1	0.95	0.25	57,57,57,57	0
59	MG	AA	3045	1/1	0.95	0.29	51,51,51,51	0
59	MG	BA	1908	1/1	0.95	0.30	79,79,79,79	0
59	MG	DA	3134	1/1	0.95	0.43	44,44,44,44	0
59	MG	AA	3352	1/1	0.95	0.10	28,28,28,28	0
59	MG	DA	3116	1/1	0.95	0.23	63,63,63,63	0
59	MG	DU	204	1/1	0.95	0.10	62,62,62,62	0
59	MG	AA	3909	1/1	0.95	0.42	90,90,90,90	0
59	MG	DA	4380	1/1	0.95	0.20	61,61,61,61	0
59	MG	BA	1672	1/1	0.95	0.29	39,39,39,39	0
59	MG	DA	3329	1/1	0.95	0.26	57,57,57,57	0
59	MG	DA	3357	1/1	0.95	0.15	59,59,59,59	0
59	MG	AA	3202	1/1	0.95	0.20	31,31,31,31	0
59	MG	DA	3217	1/1	0.95	0.20	28,28,28,28	0
59	MG	AA	3167	1/1	0.95	0.16	61,61,61,61	0
59	MG	DA	3929	1/1	0.95	0.07	73,73,73,73	0
59	MG	DA	3350	1/1	0.95	0.14	50,50,50,50	0
59	MG	BA	1844	1/1	0.95	0.17	118,118,118,118	0
59	MG	AA	3030	1/1	0.95	0.19	45,45,45,45	0
59	MG	DA	4939	1/1	0.95	0.50	57,57,57,57	0
59	MG	DA	3335	1/1	0.95	0.15	32,32,32,32	0
59	MG	AA	3043	1/1	0.95	0.04	42,42,42,42	0
59	MG	D3	105	1/1	0.95	0.32	48,48,48,48	0
59	MG	DD	304	1/1	0.95	0.88	66,66,66,66	0
59	MG	D4	102	1/1	0.95	0.19	86,86,86,86	0
59	MG	CA	1801	1/1	0.95	0.12	44,44,44,44	0
59	MG	DA	3399	1/1	0.95	0.22	52,52,52,52	0
59	MG	DA	3177	1/1	0.95	0.24	39,39,39,39	0
59	MG	CH	204	1/1	0.95	0.27	93,93,93,93	0
59	MG	AA	3395	1/1	0.95	0.29	88,88,88,88	0
59	MG	BA	2260	1/1	0.95	0.18	77,77,77,77	0
59	MG	DA	3897	1/1	0.95	0.18	27,27,27,27	0
59	MG	CA	1664	1/1	0.95	0.11	22,22,22,22	0
59	MG	DA	3460	1/1	0.95	0.25	46,46,46,46	0
59	MG	CA	2054	1/1	0.95	0.08	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1707	1/1	0.95	0.40	54,54,54,54	0
59	MG	DA	3438	1/1	0.95	0.18	32,32,32,32	0
59	MG	BA	1691	1/1	0.95	0.04	65,65,65,65	0
59	MG	DA	4684	1/1	0.95	0.11	36,36,36,36	0
59	MG	DA	3386	1/1	0.95	0.40	69,69,69,69	0
59	MG	AA	3055	1/1	0.95	0.17	33,33,33,33	0
59	MG	CA	1908	1/1	0.95	0.26	61,61,61,61	0
59	MG	DA	3841	1/1	0.95	0.13	50,50,50,50	0
59	MG	CA	1605	1/1	0.95	0.19	36,36,36,36	0
59	MG	BA	1818	1/1	0.95	0.32	57,57,57,57	0
59	MG	DA	4891	1/1	0.95	0.32	86,86,86,86	0
59	MG	DA	3601	1/1	0.95	0.12	1,1,1,1	0
59	MG	DA	4064	1/1	0.95	0.12	56,56,56,56	0
59	MG	AA	3494	1/1	0.95	0.10	69,69,69,69	0
59	MG	BA	1879	1/1	0.95	0.43	46,46,46,46	0
59	MG	CA	2174	1/1	0.95	0.14	100,100,100,100	0
59	MG	DA	3265	1/1	0.95	0.34	47,47,47,47	0
59	MG	DA	3416	1/1	0.95	0.17	62,62,62,62	0
59	MG	D2	201	1/1	0.95	0.18	48,48,48,48	0
59	MG	AA	3076	1/1	0.95	0.11	35,35,35,35	0
59	MG	DA	4704	1/1	0.95	0.26	62,62,62,62	0
59	MG	DA	3961	1/1	0.95	0.15	41,41,41,41	0
59	MG	AA	3375	1/1	0.95	0.32	61,61,61,61	0
59	MG	DR	203	1/1	0.95	0.20	84,84,84,84	0
59	MG	BA	1871	1/1	0.95	0.03	74,74,74,74	0
59	MG	CS	103	1/1	0.95	0.10	74,74,74,74	0
59	MG	BA	1884	1/1	0.95	0.46	67,67,67,67	0
59	MG	BA	1609	1/1	0.95	0.16	36,36,36,36	0
59	MG	AA	3131	1/1	0.95	0.15	34,34,34,34	0
59	MG	AA	3031	1/1	0.95	0.06	34,34,34,34	0
59	MG	AA	3945	1/1	0.95	0.12	108,108,108,108	0
59	MG	BA	2078	1/1	0.95	0.18	79,79,79,79	0
59	MG	DM	205	1/1	0.95	1.02	51,51,51,51	0
59	MG	CA	1900	1/1	0.95	0.09	74,74,74,74	0
59	MG	BC	105	1/1	0.95	0.07	75,75,75,75	0
59	MG	AA	4108	1/1	0.95	0.13	136,136,136,136	0
59	MG	CA	1969	1/1	0.95	0.14	85,85,85,85	0
59	MG	DA	3282	1/1	0.95	0.08	12,12,12,12	0
59	MG	AA	3259	1/1	0.95	0.44	57,57,57,57	0
59	MG	CA	1667	1/1	0.95	0.25	50,50,50,50	0
59	MG	AA	3899	1/1	0.95	0.20	46,46,46,46	0
59	MG	DA	3868	1/1	0.95	0.28	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4673	1/1	0.95	0.45	91,91,91,91	0
59	MG	BV	101	1/1	0.95	0.12	73,73,73,73	0
59	MG	DA	3916	1/1	0.95	0.34	36,36,36,36	0
59	MG	AA	3646	1/1	0.95	0.11	62,62,62,62	0
59	MG	AA	3691	1/1	0.95	0.18	79,79,79,79	0
59	MG	DA	3578	1/1	0.95	0.09	62,62,62,62	0
59	MG	DA	3718	1/1	0.95	0.08	25,25,25,25	0
59	MG	CA	1831	1/1	0.95	0.13	132,132,132,132	0
59	MG	DA	4152	1/1	0.95	0.24	54,54,54,54	0
59	MG	AA	3079	1/1	0.95	0.09	40,40,40,40	0
59	MG	BC	113	1/1	0.95	0.07	54,54,54,54	0
59	MG	DA	3719	1/1	0.95	0.25	29,29,29,29	0
59	MG	DA	3764	1/1	0.95	0.19	98,98,98,98	0
59	MG	AA	3706	1/1	0.95	0.21	44,44,44,44	0
59	MG	DA	3179	1/1	0.95	0.26	52,52,52,52	0
59	MG	DA	4607	1/1	0.95	0.16	64,64,64,64	0
59	MG	DA	3216	1/1	0.95	0.37	54,54,54,54	0
59	MG	AA	3648	1/1	0.95	0.16	43,43,43,43	0
59	MG	DA	4348	1/1	0.95	0.33	62,62,62,62	0
59	MG	CA	1826	1/1	0.95	0.05	83,83,83,83	0
59	MG	AA	3617	1/1	0.95	0.06	59,59,59,59	0
59	MG	AA	3319	1/1	0.95	0.14	85,85,85,85	0
59	MG	AA	3780	1/1	0.95	0.28	69,69,69,69	0
59	MG	AA	3469	1/1	0.95	0.22	42,42,42,42	0
59	MG	BA	2100	1/1	0.95	0.21	69,69,69,69	0
59	MG	DA	4101	1/1	0.95	0.24	82,82,82,82	0
59	MG	DA	4674	1/1	0.95	0.30	93,93,93,93	0
59	MG	AA	3874	1/1	0.95	0.12	90,90,90,90	0
59	MG	DA	3921	1/1	0.95	0.21	24,24,24,24	0
59	MG	DD	312	1/1	0.95	0.16	37,37,37,37	0
59	MG	CA	2231	1/1	0.95	0.18	95,95,95,95	0
59	MG	DA	3783	1/1	0.95	0.06	63,63,63,63	0
59	MG	DA	3664	1/1	0.95	0.24	60,60,60,60	0
59	MG	CA	2044	1/1	0.95	0.11	65,65,65,65	0
59	MG	DA	4078	1/1	0.95	0.21	65,65,65,65	0
59	MG	DA	4563	1/1	0.95	0.31	77,77,77,77	0
59	MG	CA	1781	1/1	0.95	0.16	45,45,45,45	0
59	MG	CA	1769	1/1	0.95	0.16	42,42,42,42	0
59	MG	DA	3305	1/1	0.95	0.18	21,21,21,21	0
59	MG	DA	4239	1/1	0.95	0.13	62,62,62,62	0
59	MG	DA	4286	1/1	0.95	0.24	49,49,49,49	0
59	MG	DA	4257	1/1	0.95	0.20	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3710	1/1	0.95	0.28	14,14,14,14	0
59	MG	DA	3796	1/1	0.95	0.17	26,26,26,26	0
59	MG	BA	1944	1/1	0.95	0.37	71,71,71,71	0
59	MG	DA	3712	1/1	0.95	0.20	25,25,25,25	0
59	MG	DA	4056	1/1	0.95	0.44	62,62,62,62	0
59	MG	DA	5045	1/1	0.95	0.24	72,72,72,72	0
59	MG	DA	4003	1/1	0.95	0.38	39,39,39,39	0
59	MG	AA	3121	1/1	0.95	0.30	85,85,85,85	0
59	MG	AA	3783	1/1	0.95	0.22	86,86,86,86	0
59	MG	CD	105	1/1	0.95	0.41	62,62,62,62	0
59	MG	DA	3977	1/1	0.95	0.09	71,71,71,71	0
59	MG	DA	4470	1/1	0.95	0.16	41,41,41,41	0
59	MG	AO	201	1/1	0.95	0.16	50,50,50,50	0
59	MG	CA	2195	1/1	0.95	0.13	76,76,76,76	0
59	MG	DA	4632	1/1	0.95	0.15	71,71,71,71	0
59	MG	AA	3455	1/1	0.95	0.09	22,22,22,22	0
59	MG	BA	2048	1/1	0.95	0.28	95,95,95,95	0
59	MG	CA	1721	1/1	0.95	0.14	39,39,39,39	0
59	MG	AA	3304	1/1	0.95	0.14	36,36,36,36	0
59	MG	DE	315	1/1	0.95	0.37	77,77,77,77	0
59	MG	CA	1883	1/1	0.95	0.07	43,43,43,43	0
59	MG	BA	1651	1/1	0.95	0.27	72,72,72,72	0
59	MG	AA	3730	1/1	0.95	0.09	58,58,58,58	0
59	MG	BA	1608	1/1	0.95	0.12	47,47,47,47	0
59	MG	BA	2061	1/1	0.95	0.32	70,70,70,70	0
59	MG	BA	1746	1/1	0.95	0.10	40,40,40,40	0
59	MG	AA	4085	1/1	0.95	0.07	60,60,60,60	0
59	MG	DA	3388	1/1	0.95	0.12	33,33,33,33	0
59	MG	D5	103	1/1	0.95	0.19	32,32,32,32	0
59	MG	BA	2252	1/1	0.95	0.08	70,70,70,70	0
59	MG	DA	4546	1/1	0.95	0.27	67,67,67,67	0
59	MG	DA	4664	1/1	0.95	0.14	66,66,66,66	0
59	MG	DE	305	1/1	0.95	0.10	44,44,44,44	0
59	MG	DA	3946	1/1	0.95	0.13	82,82,82,82	0
59	MG	DA	3532	1/1	0.95	0.33	49,49,49,49	0
59	MG	DQ	202	1/1	0.95	0.14	42,42,42,42	0
59	MG	CA	1967	1/1	0.95	0.21	56,56,56,56	0
59	MG	CA	2163	1/1	0.95	0.19	61,61,61,61	0
59	MG	DA	4628	1/1	0.95	0.17	94,94,94,94	0
59	MG	CA	2003	1/1	0.95	0.24	77,77,77,77	0
59	MG	CA	2168	1/1	0.95	0.23	108,108,108,108	0
59	MG	BA	1847	1/1	0.95	0.09	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4226	1/1	0.95	0.20	45,45,45,45	0
59	MG	CL	201	1/1	0.95	0.09	54,54,54,54	0
59	MG	DA	4393	1/1	0.95	0.18	53,53,53,53	0
59	MG	DA	3707	1/1	0.95	0.11	28,28,28,28	0
59	MG	DA	3902	1/1	0.95	0.10	64,64,64,64	0
59	MG	CA	1957	1/1	0.95	0.31	56,56,56,56	0
59	MG	CA	1689	1/1	0.95	0.14	58,58,58,58	0
59	MG	AA	4144	1/1	0.95	0.12	100,100,100,100	0
59	MG	DA	3700	1/1	0.95	0.28	39,39,39,39	0
59	MG	DA	4323	1/1	0.95	0.21	56,56,56,56	0
59	MG	DA	3785	1/1	0.95	0.17	88,88,88,88	0
59	MG	DA	3279	1/1	0.95	0.39	45,45,45,45	0
59	MG	DA	5068	1/1	0.95	0.16	64,64,64,64	0
59	MG	DA	3988	1/1	0.95	0.37	59,59,59,59	0
59	MG	AA	4034	1/1	0.95	0.11	100,100,100,100	0
59	MG	BA	2271	1/1	0.95	0.30	106,106,106,106	0
59	MG	DA	3286	1/1	0.95	0.42	54,54,54,54	0
59	MG	BA	1921	1/1	0.95	0.09	85,85,85,85	0
59	MG	CN	201	1/1	0.95	0.10	33,33,33,33	0
59	MG	DA	4147	1/1	0.96	0.33	42,42,42,42	0
59	MG	DA	3441	1/1	0.96	0.22	43,43,43,43	0
59	MG	DA	3061	1/1	0.96	0.17	23,23,23,23	0
59	MG	DA	3609	1/1	0.96	0.14	76,76,76,76	0
59	MG	AA	3621	1/1	0.96	0.04	46,46,46,46	0
59	MG	DA	4847	1/1	0.96	0.17	117,117,117,117	0
59	MG	CA	2223	1/1	0.96	0.21	67,67,67,67	0
59	MG	CA	1656	1/1	0.96	0.39	43,43,43,43	0
59	MG	BA	2031	1/1	0.96	0.11	71,71,71,71	0
59	MG	A5	101	1/1	0.96	0.14	23,23,23,23	0
59	MG	AA	3599	1/1	0.96	0.14	110,110,110,110	0
59	MG	CC	102	1/1	0.96	0.15	28,28,28,28	0
59	MG	AA	3911	1/1	0.96	0.19	69,69,69,69	0
59	MG	AA	3093	1/1	0.96	0.11	39,39,39,39	0
59	MG	CD	124	1/1	0.96	0.45	73,73,73,73	0
59	MG	BA	1972	1/1	0.96	0.10	53,53,53,53	0
59	MG	DA	3091	1/1	0.96	0.18	31,31,31,31	0
59	MG	AA	3694	1/1	0.96	0.09	56,56,56,56	0
59	MG	DA	3041	1/1	0.96	0.26	20,20,20,20	0
59	MG	CA	1751	1/1	0.96	0.22	34,34,34,34	0
59	MG	DU	203	1/1	0.96	0.17	45,45,45,45	0
59	MG	DA	3201	1/1	0.96	0.21	45,45,45,45	0
59	MG	AA	4008	1/1	0.96	0.25	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DB	202	1/1	0.96	0.28	48,48,48,48	0
59	MG	AA	3952	1/1	0.96	0.19	71,71,71,71	0
59	MG	DA	3461	1/1	0.96	0.11	34,34,34,34	0
59	MG	DA	3716	1/1	0.96	0.23	13,13,13,13	0
59	MG	CA	1872	1/1	0.96	0.08	74,74,74,74	0
59	MG	CA	1881	1/1	0.96	0.30	48,48,48,48	0
59	MG	DA	3413	1/1	0.96	0.32	45,45,45,45	0
59	MG	AA	3257	1/1	0.96	0.14	36,36,36,36	0
59	MG	DA	3917	1/1	0.96	0.14	77,77,77,77	0
59	MG	AA	3620	1/1	0.96	0.10	55,55,55,55	0
59	MG	BA	1885	1/1	0.96	0.25	44,44,44,44	0
59	MG	AA	3297	1/1	0.96	0.20	58,58,58,58	0
59	MG	DA	5048	1/1	0.96	0.18	64,64,64,64	0
59	MG	BA	2190	1/1	0.96	0.11	62,62,62,62	0
59	MG	AA	3170	1/1	0.96	0.20	32,32,32,32	0
59	MG	AA	3506	1/1	0.96	0.23	27,27,27,27	0
59	MG	AA	3528	1/1	0.96	0.56	46,46,46,46	0
59	MG	DA	3533	1/1	0.96	0.14	47,47,47,47	0
59	MG	DA	3137	1/1	0.96	0.36	31,31,31,31	0
59	MG	AA	3582	1/1	0.96	0.28	54,54,54,54	0
59	MG	DA	3996	1/1	0.96	0.10	63,63,63,63	0
59	MG	DA	3362	1/1	0.96	0.24	35,35,35,35	0
59	MG	DA	4459	1/1	0.96	0.33	35,35,35,35	0
59	MG	AD	313	1/1	0.96	0.18	39,39,39,39	0
59	MG	DA	3794	1/1	0.96	0.30	38,38,38,38	0
59	MG	BA	2101	1/1	0.96	0.24	124,124,124,124	0
59	MG	AA	3234	1/1	0.96	0.12	54,54,54,54	0
59	MG	DU	202	1/1	0.96	0.13	17,17,17,17	0
59	MG	DA	3085	1/1	0.96	0.38	43,43,43,43	0
59	MG	CA	1918	1/1	0.96	0.44	86,86,86,86	0
59	MG	DA	3888	1/1	0.96	0.09	55,55,55,55	0
59	MG	DB	243	1/1	0.96	0.13	53,53,53,53	0
59	MG	DA	4797	1/1	0.96	0.28	88,88,88,88	0
59	MG	CA	1906	1/1	0.96	0.23	50,50,50,50	0
59	MG	DA	3470	1/1	0.96	0.18	52,52,52,52	0
59	MG	DA	4594	1/1	0.96	0.48	62,62,62,62	0
59	MG	CA	1917	1/1	0.96	0.15	64,64,64,64	0
59	MG	DA	4841	1/1	0.96	0.27	80,80,80,80	0
59	MG	BA	2059	1/1	0.96	0.19	67,67,67,67	0
59	MG	DA	3445	1/1	0.96	0.33	59,59,59,59	0
59	MG	AA	3021	1/1	0.96	0.23	26,26,26,26	0
59	MG	AA	3328	1/1	0.96	0.15	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3581	1/1	0.96	0.23	55,55,55,55	0
59	MG	AA	3169	1/1	0.96	0.09	11,11,11,11	0
59	MG	AA	3398	1/1	0.96	0.24	30,30,30,30	0
59	MG	DA	4308	1/1	0.96	0.17	71,71,71,71	0
59	MG	CD	114	1/1	0.96	0.28	79,79,79,79	0
59	MG	BA	1764	1/1	0.96	0.08	50,50,50,50	0
59	MG	AA	3449	1/1	0.96	0.20	82,82,82,82	0
59	MG	DA	4324	1/1	0.96	0.13	49,49,49,49	0
59	MG	AA	3260	1/1	0.96	0.19	44,44,44,44	0
59	MG	BO	201	1/1	0.96	0.10	72,72,72,72	0
59	MG	DA	3807	1/1	0.96	0.12	59,59,59,59	0
59	MG	AA	3768	1/1	0.96	0.19	79,79,79,79	0
59	MG	DA	3389	1/1	0.96	0.20	48,48,48,48	0
59	MG	DA	3671	1/1	0.96	0.41	40,40,40,40	0
59	MG	CA	2226	1/1	0.96	0.12	53,53,53,53	0
59	MG	AA	3244	1/1	0.96	0.28	55,55,55,55	0
59	MG	AA	3299	1/1	0.96	0.12	82,82,82,82	0
59	MG	DA	4855	1/1	0.96	0.12	74,74,74,74	0
59	MG	AA	3204	1/1	0.96	0.09	68,68,68,68	0
59	MG	CA	2183	1/1	0.96	0.07	62,62,62,62	0
59	MG	DA	3866	1/1	0.96	0.26	59,59,59,59	0
59	MG	AA	3518	1/1	0.96	0.06	17,17,17,17	0
59	MG	BA	1914	1/1	0.96	0.10	55,55,55,55	0
59	MG	DA	4584	1/1	0.96	0.15	40,40,40,40	0
59	MG	CA	1886	1/1	0.96	0.12	43,43,43,43	0
59	MG	DA	4913	1/1	0.96	0.22	74,74,74,74	0
59	MG	DO	204	1/1	0.96	0.30	44,44,44,44	0
59	MG	DA	4209	1/1	0.96	0.18	83,83,83,83	0
59	MG	DA	4471	1/1	0.96	0.15	46,46,46,46	0
59	MG	DA	3923	1/1	0.96	0.17	70,70,70,70	0
59	MG	BA	2200	1/1	0.96	0.14	102,102,102,102	0
59	MG	DA	3506	1/1	0.96	0.15	46,46,46,46	0
59	MG	DA	4697	1/1	0.96	0.41	76,76,76,76	0
59	MG	DA	4464	1/1	0.96	0.18	51,51,51,51	0
59	MG	CA	1622	1/1	0.96	0.15	51,51,51,51	0
59	MG	DA	4189	1/1	0.96	0.08	60,60,60,60	0
59	MG	DA	3174	1/1	0.96	0.09	30,30,30,30	0
59	MG	DA	3156	1/1	0.96	0.24	27,27,27,27	0
59	MG	DA	3638	1/1	0.96	0.17	78,78,78,78	0
59	MG	BA	1900	1/1	0.96	0.10	83,83,83,83	0
59	MG	DA	4161	1/1	0.96	0.39	61,61,61,61	0
59	MG	AA	3815	1/1	0.96	0.11	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1694	1/1	0.96	0.26	47,47,47,47	0
59	MG	DA	3733	1/1	0.96	0.10	40,40,40,40	0
59	MG	AA	3814	1/1	0.96	0.19	67,67,67,67	0
59	MG	DA	4555	1/1	0.96	0.10	43,43,43,43	0
59	MG	CA	1773	1/1	0.96	0.12	45,45,45,45	0
59	MG	BA	1795	1/1	0.96	0.32	67,67,67,67	0
59	MG	AA	3641	1/1	0.96	0.13	46,46,46,46	0
59	MG	BA	1732	1/1	0.96	0.44	62,62,62,62	0
59	MG	BA	1618	1/1	0.96	0.08	34,34,34,34	0
59	MG	DA	3339	1/1	0.96	0.12	68,68,68,68	0
59	MG	CA	2189	1/1	0.96	0.09	77,77,77,77	0
59	MG	AA	3479	1/1	0.96	0.13	59,59,59,59	0
59	MG	DA	3029	1/1	0.96	0.22	7,7,7,7	0
59	MG	DA	4686	1/1	0.96	0.38	59,59,59,59	0
59	MG	BA	1797	1/1	0.96	0.25	63,63,63,63	0
59	MG	DA	3066	1/1	0.96	0.25	17,17,17,17	0
59	MG	AA	3004	1/1	0.96	0.18	7,7,7,7	0
59	MG	BA	1819	1/1	0.96	0.17	61,61,61,61	0
59	MG	DA	3780	1/1	0.96	0.16	32,32,32,32	0
59	MG	BA	1637	1/1	0.96	0.25	57,57,57,57	0
59	MG	CA	1936	1/1	0.96	0.11	55,55,55,55	0
59	MG	DA	3237	1/1	0.96	0.14	13,13,13,13	0
59	MG	DA	4411	1/1	0.96	0.16	42,42,42,42	0
59	MG	DA	3346	1/1	0.96	0.42	49,49,49,49	0
59	MG	DA	3005	1/1	0.96	0.26	17,17,17,17	0
59	MG	BA	1619	1/1	0.96	0.31	31,31,31,31	0
59	MG	AA	3594	1/1	0.96	0.11	78,78,78,78	0
59	MG	DA	3555	1/1	0.96	0.14	49,49,49,49	0
59	MG	DA	4708	1/1	0.96	0.14	46,46,46,46	0
59	MG	DA	4799	1/1	0.96	0.46	98,98,98,98	0
59	MG	DA	3361	1/1	0.96	0.13	50,50,50,50	0
59	MG	AA	3158	1/1	0.96	0.21	55,55,55,55	0
59	MG	DA	3224	1/1	0.96	0.11	31,31,31,31	0
59	MG	DA	3240	1/1	0.96	0.22	32,32,32,32	0
59	MG	DA	3826	1/1	0.96	0.23	33,33,33,33	0
59	MG	DA	5021	1/1	0.96	0.15	112,112,112,112	0
59	MG	AA	3250	1/1	0.96	0.10	24,24,24,24	0
59	MG	CA	1869	1/1	0.96	0.14	69,69,69,69	0
59	MG	DA	4228	1/1	0.96	0.15	50,50,50,50	0
59	MG	BA	1713	1/1	0.96	0.37	48,48,48,48	0
59	MG	DA	4350	1/1	0.96	0.21	54,54,54,54	0
59	MG	AA	3889	1/1	0.96	0.10	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4016	1/1	0.96	0.07	40,40,40,40	0
59	MG	DA	4043	1/1	0.96	0.19	82,82,82,82	0
59	MG	CA	2083	1/1	0.96	0.17	87,87,87,87	0
60	ZN	CG	301	1/1	0.96	0.24	74,74,74,74	0
59	MG	CA	2177	1/1	0.96	0.19	116,116,116,116	0
59	MG	CA	1639	1/1	0.96	0.20	43,43,43,43	0
59	MG	DA	3436	1/1	0.96	0.16	48,48,48,48	0
59	MG	BA	1669	1/1	0.96	0.25	32,32,32,32	0
59	MG	DA	3076	1/1	0.96	0.24	13,13,13,13	0
59	MG	DE	307	1/1	0.96	0.18	62,62,62,62	0
59	MG	CA	1735	1/1	0.96	0.12	42,42,42,42	0
59	MG	DA	3667	1/1	0.96	0.27	74,74,74,74	0
59	MG	CF	303	1/1	0.96	0.78	79,79,79,79	0
59	MG	DA	4972	1/1	0.96	0.20	80,80,80,80	0
59	MG	BA	1838	1/1	0.96	0.16	91,91,91,91	0
59	MG	DA	3353	1/1	0.96	0.16	22,22,22,22	0
59	MG	DA	4963	1/1	0.96	0.12	63,63,63,63	0
59	MG	CA	1803	1/1	0.96	0.12	36,36,36,36	0
59	MG	AB	228	1/1	0.96	0.10	64,64,64,64	0
59	MG	DA	3545	1/1	0.96	0.11	36,36,36,36	0
59	MG	DA	3002	1/1	0.96	0.28	11,11,11,11	0
59	MG	CA	1985	1/1	0.96	0.18	61,61,61,61	0
59	MG	DA	4965	1/1	0.96	0.36	61,61,61,61	0
59	MG	AA	3579	1/1	0.96	0.14	83,83,83,83	0
59	MG	CA	1870	1/1	0.96	0.10	58,58,58,58	0
60	ZN	BQ	104	1/1	0.96	0.11	97,97,97,97	0
59	MG	CA	2205	1/1	0.96	0.33	70,70,70,70	0
59	MG	DA	4457	1/1	0.96	0.13	75,75,75,75	0
59	MG	AA	4077	1/1	0.96	0.23	67,67,67,67	0
59	MG	AA	3098	1/1	0.96	0.21	45,45,45,45	0
59	MG	DA	3941	1/1	0.96	0.09	61,61,61,61	0
59	MG	BA	1610	1/1	0.96	0.11	25,25,25,25	0
59	MG	BA	1723	1/1	0.96	0.26	63,63,63,63	0
59	MG	DA	4000	1/1	0.96	0.11	50,50,50,50	0
59	MG	CA	1944	1/1	0.96	0.08	61,61,61,61	0
59	MG	AA	4163	1/1	0.96	0.38	102,102,102,102	0
59	MG	CA	2229	1/1	0.96	0.10	109,109,109,109	0
59	MG	DA	4609	1/1	0.96	0.14	48,48,48,48	0
59	MG	AA	3555	1/1	0.96	0.15	60,60,60,60	0
59	MG	AA	3002	1/1	0.96	0.11	14,14,14,14	0
59	MG	AA	3634	1/1	0.96	0.28	52,52,52,52	0
59	MG	AD	301	1/1	0.96	0.09	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3817	1/1	0.96	0.17	46,46,46,46	0
59	MG	CA	1790	1/1	0.96	0.09	81,81,81,81	0
59	MG	BA	1993	1/1	0.96	0.13	60,60,60,60	0
59	MG	BA	1740	1/1	0.96	0.09	42,42,42,42	0
59	MG	BP	202	1/1	0.96	0.19	50,50,50,50	0
59	MG	DA	3110	1/1	0.96	0.10	35,35,35,35	0
59	MG	DA	3235	1/1	0.96	0.13	25,25,25,25	0
59	MG	CA	2271	1/1	0.96	0.12	55,55,55,55	0
59	MG	DA	3915	1/1	0.96	0.15	28,28,28,28	0
59	MG	DA	3497	1/1	0.96	0.41	38,38,38,38	0
59	MG	DA	3039	1/1	0.96	0.19	10,10,10,10	0
59	MG	AA	3085	1/1	0.96	0.07	29,29,29,29	0
59	MG	DA	3127	1/1	0.96	0.15	32,32,32,32	0
59	MG	DB	205	1/1	0.96	0.20	27,27,27,27	0
59	MG	BA	2071	1/1	0.96	0.30	93,93,93,93	0
59	MG	DA	3069	1/1	0.96	0.29	16,16,16,16	0
59	MG	DA	3296	1/1	0.96	0.19	19,19,19,19	0
59	MG	DA	3778	1/1	0.96	0.10	18,18,18,18	0
59	MG	DA	4669	1/1	0.96	0.26	71,71,71,71	0
59	MG	DA	3724	1/1	0.96	0.30	45,45,45,45	0
59	MG	DA	4146	1/1	0.96	0.34	72,72,72,72	0
59	MG	DA	4212	1/1	0.96	0.21	54,54,54,54	0
59	MG	DA	4643	1/1	0.96	0.21	59,59,59,59	0
59	MG	BS	108	1/1	0.96	0.10	91,91,91,91	0
59	MG	AA	3610	1/1	0.96	0.05	69,69,69,69	0
59	MG	CA	2299	1/1	0.96	0.19	111,111,111,111	0
59	MG	AD	308	1/1	0.96	1.02	58,58,58,58	0
59	MG	AA	3391	1/1	0.96	0.16	39,39,39,39	0
59	MG	CA	2025	1/1	0.96	0.20	95,95,95,95	0
59	MG	AA	3462	1/1	0.96	0.15	32,32,32,32	0
59	MG	AA	3042	1/1	0.96	0.16	35,35,35,35	0
59	MG	DA	3015	1/1	0.96	0.25	30,30,30,30	0
59	MG	DA	3709	1/1	0.96	0.15	46,46,46,46	0
59	MG	AA	3937	1/1	0.96	0.19	67,67,67,67	0
59	MG	DA	4075	1/1	0.96	0.10	25,25,25,25	0
59	MG	AA	3388	1/1	0.96	0.20	46,46,46,46	0
59	MG	DA	3508	1/1	0.96	0.36	56,56,56,56	0
59	MG	CA	2089	1/1	0.96	0.19	63,63,63,63	0
59	MG	DF	307	1/1	0.96	0.37	27,27,27,27	0
59	MG	AA	3601	1/1	0.96	0.10	73,73,73,73	0
59	MG	AA	3152	1/1	0.96	0.08	28,28,28,28	0
59	MG	CA	1927	1/1	0.96	0.12	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2029	1/1	0.96	0.22	115,115,115,115	0
59	MG	DA	3360	1/1	0.96	0.28	36,36,36,36	0
59	MG	DA	4721	1/1	0.96	0.11	75,75,75,75	0
59	MG	CA	1643	1/1	0.96	0.22	51,51,51,51	0
59	MG	DA	3763	1/1	0.96	0.21	8,8,8,8	0
59	MG	DA	4114	1/1	0.96	0.20	61,61,61,61	0
59	MG	AA	3996	1/1	0.96	0.13	49,49,49,49	0
59	MG	CA	1933	1/1	0.96	0.18	60,60,60,60	0
59	MG	AA	3024	1/1	0.96	0.10	61,61,61,61	0
59	MG	AA	3014	1/1	0.96	0.14	20,20,20,20	0
59	MG	AA	3970	1/1	0.96	0.10	47,47,47,47	0
59	MG	DA	3097	1/1	0.96	0.17	21,21,21,21	0
59	MG	DA	4047	1/1	0.96	0.10	44,44,44,44	0
59	MG	DO	213	1/1	0.96	0.29	96,96,96,96	0
59	MG	CA	1797	1/1	0.96	0.14	52,52,52,52	0
59	MG	CA	1690	1/1	0.96	0.10	43,43,43,43	0
59	MG	CA	2095	1/1	0.96	0.13	64,64,64,64	0
59	MG	CA	1804	1/1	0.96	0.24	67,67,67,67	0
59	MG	DA	4416	1/1	0.96	0.25	74,74,74,74	0
59	MG	DA	4390	1/1	0.96	0.24	53,53,53,53	0
59	MG	BA	1970	1/1	0.96	0.15	141,141,141,141	0
59	MG	CA	2090	1/1	0.96	0.12	69,69,69,69	0
59	MG	BA	1965	1/1	0.96	0.31	110,110,110,110	0
59	MG	DA	4822	1/1	0.96	0.09	39,39,39,39	0
59	MG	DA	4420	1/1	0.96	0.12	40,40,40,40	0
59	MG	DA	4165	1/1	0.96	0.12	35,35,35,35	0
59	MG	CA	2068	1/1	0.96	0.12	89,89,89,89	0
59	MG	AA	3871	1/1	0.96	0.15	51,51,51,51	0
59	MG	CD	120	1/1	0.96	0.06	98,98,98,98	0
59	MG	DA	3383	1/1	0.96	0.11	49,49,49,49	0
59	MG	BA	1735	1/1	0.96	0.07	40,40,40,40	0
59	MG	DZ	102	1/1	0.96	0.24	49,49,49,49	0
59	MG	DA	4131	1/1	0.96	0.25	34,34,34,34	0
59	MG	DA	3211	1/1	0.96	0.31	43,43,43,43	0
59	MG	DA	4113	1/1	0.96	0.07	45,45,45,45	0
59	MG	DA	3053	1/1	0.96	0.43	24,24,24,24	0
59	MG	DA	4179	1/1	0.96	0.16	57,57,57,57	0
59	MG	DA	3241	1/1	0.96	0.22	20,20,20,20	0
59	MG	AA	3498	1/1	0.96	0.20	52,52,52,52	0
59	MG	AA	3196	1/1	0.96	0.15	29,29,29,29	0
59	MG	D8	102	1/1	0.96	0.40	37,37,37,37	0
59	MG	CA	1630	1/1	0.96	0.15	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3630	1/1	0.96	0.37	55,55,55,55	0
59	MG	DA	3666	1/1	0.96	0.11	53,53,53,53	0
59	MG	AA	3851	1/1	0.96	0.11	60,60,60,60	0
59	MG	BA	1880	1/1	0.96	0.16	60,60,60,60	0
59	MG	CA	2088	1/1	0.96	0.20	65,65,65,65	0
59	MG	DA	4613	1/1	0.96	0.32	64,64,64,64	0
59	MG	AA	3336	1/1	0.96	0.10	122,122,122,122	0
59	MG	DA	3935	1/1	0.96	0.21	75,75,75,75	0
59	MG	DA	3740	1/1	0.96	0.12	49,49,49,49	0
59	MG	AA	3587	1/1	0.96	0.12	55,55,55,55	0
59	MG	CC	117	1/1	0.96	0.14	45,45,45,45	0
59	MG	DA	3126	1/1	0.96	0.28	63,63,63,63	0
59	MG	DA	3786	1/1	0.96	0.18	68,68,68,68	0
59	MG	CA	2110	1/1	0.96	0.10	62,62,62,62	0
59	MG	DA	4647	1/1	0.96	0.32	84,84,84,84	0
59	MG	CA	1891	1/1	0.96	0.26	56,56,56,56	0
59	MG	D8	108	1/1	0.96	0.17	52,52,52,52	0
59	MG	AA	3659	1/1	0.96	0.17	67,67,67,67	0
59	MG	AA	3200	1/1	0.96	0.34	83,83,83,83	0
59	MG	BA	1895	1/1	0.96	0.26	54,54,54,54	0
59	MG	DA	3675	1/1	0.96	0.16	44,44,44,44	0
59	MG	AA	4030	1/1	0.96	0.17	66,66,66,66	0
59	MG	AA	3699	1/1	0.96	0.32	59,59,59,59	0
59	MG	AA	4156	1/1	0.96	0.17	59,59,59,59	0
59	MG	DA	3846	1/1	0.96	0.13	64,64,64,64	0
59	MG	CA	1898	1/1	0.96	0.09	59,59,59,59	0
59	MG	DA	4790	1/1	0.96	0.12	53,53,53,53	0
59	MG	BA	2074	1/1	0.96	0.45	77,77,77,77	0
59	MG	DA	3944	1/1	0.96	0.10	72,72,72,72	0
59	MG	D1	212	1/1	0.96	0.34	53,53,53,53	0
59	MG	DA	3704	1/1	0.96	0.22	33,33,33,33	0
59	MG	DA	3442	1/1	0.96	0.14	45,45,45,45	0
59	MG	D5	106	1/1	0.96	0.36	58,58,58,58	0
59	MG	DA	3950	1/1	0.96	0.26	117,117,117,117	0
59	MG	DA	4074	1/1	0.96	0.19	54,54,54,54	0
59	MG	CA	1733	1/1	0.96	0.28	55,55,55,55	0
59	MG	DA	4030	1/1	0.96	0.26	84,84,84,84	0
59	MG	DA	3402	1/1	0.96	0.15	24,24,24,24	0
59	MG	DA	4877	1/1	0.96	0.15	77,77,77,77	0
59	MG	BA	1655	1/1	0.96	0.32	58,58,58,58	0
59	MG	CA	1697	1/1	0.96	0.26	44,44,44,44	0
59	MG	DA	3880	1/1	0.96	0.38	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3669	1/1	0.96	0.13	44,44,44,44	0
59	MG	CA	1631	1/1	0.96	0.18	42,42,42,42	0
59	MG	DA	3114	1/1	0.96	0.33	47,47,47,47	0
59	MG	DA	3738	1/1	0.96	0.14	45,45,45,45	0
59	MG	AA	3173	1/1	0.96	0.12	14,14,14,14	0
59	MG	CA	2207	1/1	0.96	0.15	70,70,70,70	0
59	MG	AA	3385	1/1	0.96	0.18	34,34,34,34	0
59	MG	DA	3021	1/1	0.96	0.31	26,26,26,26	0
59	MG	DA	4907	1/1	0.96	0.56	57,57,57,57	0
59	MG	CA	1644	1/1	0.96	0.16	24,24,24,24	0
59	MG	AA	3380	1/1	0.96	0.09	25,25,25,25	0
59	MG	CA	1686	1/1	0.96	0.28	35,35,35,35	0
59	MG	DA	3012	1/1	0.96	0.32	19,19,19,19	0
59	MG	DA	3800	1/1	0.96	0.13	33,33,33,33	0
59	MG	CA	2036	1/1	0.96	0.05	83,83,83,83	0
59	MG	DA	3705	1/1	0.96	0.07	1,1,1,1	0
59	MG	DA	4445	1/1	0.96	0.18	21,21,21,21	0
59	MG	AA	3677	1/1	0.96	0.13	60,60,60,60	0
59	MG	AA	3331	1/1	0.96	0.20	41,41,41,41	0
59	MG	DA	3036	1/1	0.96	0.31	14,14,14,14	0
59	MG	DA	4293	1/1	0.96	0.38	54,54,54,54	0
59	MG	DA	4158	1/1	0.97	0.08	47,47,47,47	0
59	MG	DA	4242	1/1	0.97	0.17	49,49,49,49	0
59	MG	AA	3277	1/1	0.97	0.07	42,42,42,42	0
59	MG	AA	4043	1/1	0.97	0.71	132,132,132,132	0
59	MG	AA	3033	1/1	0.97	0.23	41,41,41,41	0
59	MG	DA	3271	1/1	0.97	0.24	33,33,33,33	0
59	MG	DA	4196	1/1	0.97	0.17	43,43,43,43	0
59	MG	CA	2067	1/1	0.97	0.16	89,89,89,89	0
59	MG	DA	3060	1/1	0.97	0.27	19,19,19,19	0
59	MG	AA	3520	1/1	0.97	0.15	75,75,75,75	0
59	MG	DA	3394	1/1	0.97	0.31	43,43,43,43	0
59	MG	DA	3541	1/1	0.97	0.11	19,19,19,19	0
59	MG	DA	4844	1/1	0.97	0.12	58,58,58,58	0
59	MG	AA	3764	1/1	0.97	0.17	53,53,53,53	0
59	MG	DA	3427	1/1	0.97	0.12	44,44,44,44	0
59	MG	AA	3207	1/1	0.97	0.20	30,30,30,30	0
59	MG	DA	4204	1/1	0.97	0.18	45,45,45,45	0
59	MG	DA	3734	1/1	0.97	0.06	55,55,55,55	0
59	MG	DA	4410	1/1	0.97	0.26	59,59,59,59	0
59	MG	DA	4346	1/1	0.97	0.21	44,44,44,44	0
59	MG	DA	4670	1/1	0.97	0.26	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1670	1/1	0.97	0.36	46,46,46,46	0
59	MG	BA	1682	1/1	0.97	0.28	51,51,51,51	0
59	MG	AA	3778	1/1	0.97	0.10	53,53,53,53	0
59	MG	D7	103	1/1	0.97	0.28	45,45,45,45	0
59	MG	BA	1800	1/1	0.97	0.20	66,66,66,66	0
59	MG	AA	3139	1/1	0.97	0.07	45,45,45,45	0
59	MG	DA	3587	1/1	0.97	0.24	21,21,21,21	0
59	MG	AA	3070	1/1	0.97	0.14	35,35,35,35	0
59	MG	DA	4406	1/1	0.97	0.38	54,54,54,54	0
59	MG	DA	3784	1/1	0.97	0.16	52,52,52,52	0
59	MG	AA	3370	1/1	0.97	0.29	64,64,64,64	0
59	MG	DA	3871	1/1	0.97	0.45	49,49,49,49	0
59	MG	CA	2113	1/1	0.97	0.29	68,68,68,68	0
59	MG	DA	3702	1/1	0.97	0.12	36,36,36,36	0
59	MG	DA	3967	1/1	0.97	0.10	80,80,80,80	0
59	MG	CA	2254	1/1	0.97	0.18	56,56,56,56	0
59	MG	DA	3937	1/1	0.97	0.12	67,67,67,67	0
59	MG	DA	3044	1/1	0.97	0.31	18,18,18,18	0
59	MG	BA	2239	1/1	0.97	0.13	63,63,63,63	0
59	MG	DA	4017	1/1	0.97	0.19	69,69,69,69	0
59	MG	DA	4743	1/1	0.97	0.29	96,96,96,96	0
59	MG	DA	3440	1/1	0.97	0.13	57,57,57,57	0
59	MG	DA	3964	1/1	0.97	0.11	68,68,68,68	0
59	MG	AA	3101	1/1	0.97	0.29	38,38,38,38	0
59	MG	BA	1616	1/1	0.97	0.27	47,47,47,47	0
59	MG	DA	4867	1/1	0.97	0.26	62,62,62,62	0
59	MG	AA	3664	1/1	0.97	0.13	68,68,68,68	0
59	MG	DA	4400	1/1	0.97	0.24	83,83,83,83	0
59	MG	DA	4902	1/1	0.97	0.19	82,82,82,82	0
59	MG	DA	3701	1/1	0.97	0.32	10,10,10,10	0
59	MG	DA	3251	1/1	0.97	0.11	12,12,12,12	0
59	MG	CA	1811	1/1	0.97	0.06	46,46,46,46	0
59	MG	DA	3834	1/1	0.97	0.20	57,57,57,57	0
59	MG	DA	4298	1/1	0.97	0.37	62,62,62,62	0
59	MG	DA	4969	1/1	0.97	0.10	75,75,75,75	0
59	MG	AR	203	1/1	0.97	0.05	55,55,55,55	0
59	MG	DA	3537	1/1	0.97	0.11	43,43,43,43	0
59	MG	DA	3737	1/1	0.97	0.24	36,36,36,36	0
59	MG	DE	302	1/1	0.97	0.22	8,8,8,8	0
59	MG	DA	4702	1/1	0.97	0.24	48,48,48,48	0
59	MG	DA	4444	1/1	0.97	0.13	51,51,51,51	0
59	MG	DA	3504	1/1	0.97	0.26	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3365	1/1	0.97	0.25	39,39,39,39	0
59	MG	CA	1760	1/1	0.97	0.31	69,69,69,69	0
59	MG	CA	2276	1/1	0.97	0.16	69,69,69,69	0
59	MG	DA	3729	1/1	0.97	0.23	52,52,52,52	0
59	MG	BA	1779	1/1	0.97	0.27	45,45,45,45	0
59	MG	DA	3999	1/1	0.97	0.26	83,83,83,83	0
59	MG	DA	3599	1/1	0.97	0.17	6,6,6,6	0
59	MG	AA	3092	1/1	0.97	0.18	16,16,16,16	0
59	MG	DA	4435	1/1	0.97	0.14	53,53,53,53	0
59	MG	DA	3027	1/1	0.97	0.11	15,15,15,15	0
59	MG	CA	2285	1/1	0.97	0.17	135,135,135,135	0
59	MG	AA	3020	1/1	0.97	0.19	27,27,27,27	0
59	MG	DA	3910	1/1	0.97	0.10	143,143,143,143	0
59	MG	DA	4135	1/1	0.97	0.27	59,59,59,59	0
59	MG	AA	3066	1/1	0.97	0.12	17,17,17,17	0
59	MG	AA	4029	1/1	0.97	0.06	80,80,80,80	0
59	MG	AA	3087	1/1	0.97	0.17	20,20,20,20	0
59	MG	DA	4140	1/1	0.97	0.23	47,47,47,47	0
59	MG	BA	1716	1/1	0.97	0.22	56,56,56,56	0
59	MG	BA	2248	1/1	0.97	0.07	61,61,61,61	0
59	MG	DA	3845	1/1	0.97	0.12	54,54,54,54	0
59	MG	DA	4020	1/1	0.97	0.21	153,153,153,153	0
59	MG	BD	115	1/1	0.97	0.09	61,61,61,61	0
59	MG	BA	1938	1/1	0.97	0.18	69,69,69,69	0
59	MG	DA	4225	1/1	0.97	0.11	83,83,83,83	0
59	MG	CA	1867	1/1	0.97	0.10	99,99,99,99	0
59	MG	DA	4550	1/1	0.97	0.20	61,61,61,61	0
59	MG	DA	4931	1/1	0.97	0.42	41,41,41,41	0
59	MG	DA	4112	1/1	0.97	0.08	45,45,45,45	0
59	MG	CA	1609	1/1	0.97	0.15	31,31,31,31	0
59	MG	DA	4748	1/1	0.97	0.09	83,83,83,83	0
59	MG	DU	216	1/1	0.97	0.17	80,80,80,80	0
59	MG	DA	3236	1/1	0.97	0.20	20,20,20,20	0
59	MG	DA	3810	1/1	0.97	0.18	39,39,39,39	0
59	MG	DA	3075	1/1	0.97	0.24	19,19,19,19	0
59	MG	DA	3663	1/1	0.97	0.09	79,79,79,79	0
59	MG	DA	4718	1/1	0.97	0.07	69,69,69,69	0
59	MG	DA	3249	1/1	0.97	0.14	13,13,13,13	0
59	MG	DA	4384	1/1	0.97	0.28	64,64,64,64	0
59	MG	AA	3231	1/1	0.97	0.09	43,43,43,43	0
59	MG	AA	3430	1/1	0.97	0.06	81,81,81,81	0
59	MG	AA	3012	1/1	0.97	0.27	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CQ	102	1/1	0.97	0.19	51,51,51,51	0
59	MG	CA	1655	1/1	0.97	0.12	18,18,18,18	0
59	MG	DA	4946	1/1	0.97	0.52	62,62,62,62	0
59	MG	DA	4651	1/1	0.97	0.09	66,66,66,66	0
59	MG	AA	3686	1/1	0.97	0.15	49,49,49,49	0
59	MG	DA	3616	1/1	0.97	0.21	64,64,64,64	0
59	MG	DA	3742	1/1	0.97	0.15	65,65,65,65	0
59	MG	DA	5003	1/1	0.97	0.31	76,76,76,76	0
59	MG	DA	3410	1/1	0.97	0.09	64,64,64,64	0
59	MG	DA	3300	1/1	0.97	0.17	27,27,27,27	0
59	MG	AA	3790	1/1	0.97	0.55	60,60,60,60	0
59	MG	DA	3443	1/1	0.97	0.08	54,54,54,54	0
59	MG	DA	3696	1/1	0.97	0.16	19,19,19,19	0
59	MG	AA	3456	1/1	0.97	0.13	20,20,20,20	0
59	MG	BA	1961	1/1	0.97	0.05	49,49,49,49	0
59	MG	DA	3985	1/1	0.97	0.24	81,81,81,81	0
59	MG	AA	3463	1/1	0.97	0.07	3,3,3,3	0
59	MG	DA	3006	1/1	0.97	0.13	14,14,14,14	0
59	MG	AA	4145	1/1	0.97	0.23	77,77,77,77	0
59	MG	AA	3126	1/1	0.97	0.22	58,58,58,58	0
59	MG	BA	1653	1/1	0.97	0.37	47,47,47,47	0
59	MG	CA	1736	1/1	0.97	0.17	30,30,30,30	0
59	MG	AA	3300	1/1	0.97	0.28	38,38,38,38	0
59	MG	DA	3903	1/1	0.97	0.27	42,42,42,42	0
59	MG	CA	1810	1/1	0.97	0.11	61,61,61,61	0
59	MG	AA	3450	1/1	0.97	0.18	59,59,59,59	0
59	MG	DF	323	1/1	0.97	0.72	37,37,37,37	0
59	MG	DA	3170	1/1	0.97	0.28	16,16,16,16	0
59	MG	BA	1759	1/1	0.97	0.18	77,77,77,77	0
59	MG	A3	101	1/1	0.97	0.28	40,40,40,40	0
59	MG	DA	4198	1/1	0.97	0.17	45,45,45,45	0
59	MG	DA	4061	1/1	0.97	0.09	54,54,54,54	0
59	MG	DA	4160	1/1	0.97	0.33	53,53,53,53	0
59	MG	BA	1727	1/1	0.97	0.15	52,52,52,52	0
59	MG	CA	1719	1/1	0.97	0.09	62,62,62,62	0
59	MG	AA	4129	1/1	0.97	0.10	86,86,86,86	0
59	MG	AA	3487	1/1	0.97	0.14	72,72,72,72	0
59	MG	DG	202	1/1	0.97	0.07	47,47,47,47	0
59	MG	DA	3959	1/1	0.97	0.21	59,59,59,59	0
59	MG	DA	3225	1/1	0.97	0.10	39,39,39,39	0
59	MG	DA	4027	1/1	0.97	0.28	59,59,59,59	0
59	MG	AA	3026	1/1	0.97	0.38	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3038	1/1	0.97	0.14	13,13,13,13	0
59	MG	CG	305	1/1	0.97	0.10	80,80,80,80	0
59	MG	DA	5075	1/1	0.97	0.28	50,50,50,50	0
59	MG	AA	3132	1/1	0.97	0.27	44,44,44,44	0
59	MG	DA	3557	1/1	0.97	0.13	55,55,55,55	0
59	MG	DA	3020	1/1	0.97	0.14	21,21,21,21	0
59	MG	DA	5029	1/1	0.97	0.29	39,39,39,39	0
59	MG	DA	4402	1/1	0.97	0.48	35,35,35,35	0
59	MG	D7	102	1/1	0.97	0.23	41,41,41,41	0
59	MG	BA	1686	1/1	0.97	0.27	34,34,34,34	0
59	MG	DB	251	1/1	0.97	0.14	49,49,49,49	0
59	MG	DA	3065	1/1	0.97	0.11	6,6,6,6	0
59	MG	DA	3062	1/1	0.97	0.21	19,19,19,19	0
59	MG	DU	206	1/1	0.97	0.12	47,47,47,47	0
59	MG	AA	3028	1/1	0.97	0.12	15,15,15,15	0
59	MG	DA	3612	1/1	0.97	0.15	64,64,64,64	0
59	MG	DA	3499	1/1	0.97	0.14	70,70,70,70	0
59	MG	CA	1923	1/1	0.97	0.13	48,48,48,48	0
59	MG	AA	3010	1/1	0.97	0.22	19,19,19,19	0
59	MG	DA	3004	1/1	0.97	0.17	9,9,9,9	0
59	MG	AA	3013	1/1	0.97	0.14	49,49,49,49	0
59	MG	DA	3804	1/1	0.97	0.28	36,36,36,36	0
59	MG	DB	218	1/1	0.97	0.28	44,44,44,44	0
59	MG	AA	3390	1/1	0.97	0.23	46,46,46,46	0
59	MG	BA	1634	1/1	0.97	0.27	37,37,37,37	0
59	MG	AA	3107	1/1	0.97	0.27	32,32,32,32	0
59	MG	DA	4463	1/1	0.97	0.23	62,62,62,62	0
59	MG	AA	3128	1/1	0.97	0.23	32,32,32,32	0
59	MG	AA	3237	1/1	0.97	0.07	36,36,36,36	0
59	MG	D1	204	1/1	0.97	0.23	59,59,59,59	0
59	MG	CA	1998	1/1	0.97	0.11	90,90,90,90	0
59	MG	CA	1757	1/1	0.97	0.13	26,26,26,26	0
59	MG	DA	3677	1/1	0.97	0.25	78,78,78,78	0
59	MG	DA	4553	1/1	0.97	0.20	69,69,69,69	0
59	MG	CA	1868	1/1	0.97	0.07	29,29,29,29	0
59	MG	CA	1775	1/1	0.97	0.32	51,51,51,51	0
59	MG	DA	4565	1/1	0.97	0.24	119,119,119,119	0
59	MG	BA	1641	1/1	0.97	0.14	53,53,53,53	0
59	MG	AA	3312	1/1	0.97	0.13	40,40,40,40	0
59	MG	AA	3547	1/1	0.97	0.15	47,47,47,47	0
59	MG	DA	4631	1/1	0.97	0.17	67,67,67,67	0
59	MG	BA	2053	1/1	0.97	0.13	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3980	1/1	0.97	0.38	65,65,65,65	0
59	MG	BA	2123	1/1	0.97	0.10	90,90,90,90	0
59	MG	AA	3108	1/1	0.97	0.19	41,41,41,41	0
59	MG	CC	126	1/1	0.97	0.08	55,55,55,55	0
59	MG	AA	4117	1/1	0.97	0.07	96,96,96,96	0
59	MG	BA	1702	1/1	0.97	0.22	33,33,33,33	0
59	MG	DA	4875	1/1	0.97	0.07	88,88,88,88	0
59	MG	DA	4796	1/1	0.97	0.26	45,45,45,45	0
59	MG	AA	4165	1/1	0.97	0.10	64,64,64,64	0
59	MG	DA	3579	1/1	0.97	0.24	21,21,21,21	0
59	MG	CH	201	1/1	0.97	0.30	55,55,55,55	0
59	MG	AA	3763	1/1	0.97	0.12	48,48,48,48	0
59	MG	AA	3401	1/1	0.97	0.36	46,46,46,46	0
59	MG	CA	1839	1/1	0.97	0.13	55,55,55,55	0
59	MG	AA	3136	1/1	0.97	0.24	38,38,38,38	0
59	MG	D2	205	1/1	0.97	0.31	84,84,84,84	0
59	MG	AA	3130	1/1	0.97	0.28	24,24,24,24	0
59	MG	AA	3609	1/1	0.97	0.14	72,72,72,72	0
59	MG	AA	3090	1/1	0.97	0.17	42,42,42,42	0
59	MG	CA	1847	1/1	0.97	0.13	95,95,95,95	0
59	MG	DA	3688	1/1	0.97	0.23	42,42,42,42	0
59	MG	CA	1636	1/1	0.97	0.16	16,16,16,16	0
59	MG	DA	4109	1/1	0.97	0.24	61,61,61,61	0
59	MG	AA	3629	1/1	0.97	0.25	45,45,45,45	0
59	MG	DA	3319	1/1	0.97	0.15	46,46,46,46	0
59	MG	DF	308	1/1	0.97	0.51	30,30,30,30	0
59	MG	AA	3058	1/1	0.97	0.12	25,25,25,25	0
59	MG	DS	208	1/1	0.97	0.18	54,54,54,54	0
59	MG	DE	304	1/1	0.97	0.15	47,47,47,47	0
59	MG	DO	201	1/1	0.97	0.12	32,32,32,32	0
59	MG	BA	1739	1/1	0.97	0.34	67,67,67,67	0
59	MG	AA	3063	1/1	0.97	0.14	27,27,27,27	0
59	MG	DA	4977	1/1	0.97	0.34	94,94,94,94	0
59	MG	DA	4465	1/1	0.97	0.26	48,48,48,48	0
59	MG	DA	3045	1/1	0.97	0.28	23,23,23,23	0
59	MG	BC	104	1/1	0.97	0.15	45,45,45,45	0
59	MG	BA	1761	1/1	0.97	0.26	58,58,58,58	0
59	MG	DA	4216	1/1	0.97	0.24	52,52,52,52	0
59	MG	DA	4022	1/1	0.97	0.55	41,41,41,41	0
59	MG	DA	3683	1/1	0.97	0.13	56,56,56,56	0
59	MG	AA	3275	1/1	0.97	0.21	58,58,58,58	0
59	MG	DA	4531	1/1	0.97	0.23	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1628	1/1	0.97	0.23	49,49,49,49	0
59	MG	DA	3369	1/1	0.97	0.21	16,16,16,16	0
59	MG	DA	3788	1/1	0.97	0.10	50,50,50,50	0
59	MG	DA	3381	1/1	0.97	0.24	66,66,66,66	0
59	MG	AA	3709	1/1	0.97	0.20	66,66,66,66	0
59	MG	DA	3167	1/1	0.97	0.12	48,48,48,48	0
59	MG	AA	3151	1/1	0.97	0.19	60,60,60,60	0
59	MG	AA	3932	1/1	0.97	0.09	56,56,56,56	0
59	MG	DA	3026	1/1	0.97	0.39	17,17,17,17	0
59	MG	AA	3175	1/1	0.97	0.10	29,29,29,29	0
59	MG	DA	4199	1/1	0.97	0.43	48,48,48,48	0
59	MG	BA	1640	1/1	0.97	0.28	27,27,27,27	0
59	MG	AA	3281	1/1	0.97	0.10	45,45,45,45	0
59	MG	DA	4013	1/1	0.97	0.39	42,42,42,42	0
59	MG	DA	4968	1/1	0.97	0.21	65,65,65,65	0
59	MG	AA	3650	1/1	0.97	0.10	70,70,70,70	0
59	MG	BA	2194	1/1	0.97	0.18	40,40,40,40	0
59	MG	AA	3007	1/1	0.97	0.22	24,24,24,24	0
59	MG	DA	3243	1/1	0.97	0.29	48,48,48,48	0
59	MG	DA	4858	1/1	0.97	0.27	69,69,69,69	0
59	MG	DA	3852	1/1	0.97	0.38	55,55,55,55	0
59	MG	DA	3703	1/1	0.97	0.31	12,12,12,12	0
59	MG	DA	4756	1/1	0.97	0.18	57,57,57,57	0
59	MG	AA	3389	1/1	0.97	0.15	67,67,67,67	0
59	MG	DA	4130	1/1	0.97	0.37	29,29,29,29	0
59	MG	AA	3850	1/1	0.97	0.25	41,41,41,41	0
59	MG	DA	3310	1/1	0.97	0.13	30,30,30,30	0
59	MG	CA	1832	1/1	0.97	0.15	115,115,115,115	0
59	MG	DA	4936	1/1	0.97	0.74	52,52,52,52	0
59	MG	CC	121	1/1	0.97	0.15	49,49,49,49	0
59	MG	DA	4561	1/1	0.97	0.58	43,43,43,43	0
59	MG	BA	1787	1/1	0.97	0.23	49,49,49,49	0
59	MG	DA	3035	1/1	0.97	0.20	15,15,15,15	0
59	MG	DB	223	1/1	0.97	0.07	58,58,58,58	0
59	MG	AA	4010	1/1	0.97	0.11	74,74,74,74	0
59	MG	CA	1613	1/1	0.97	0.12	41,41,41,41	0
59	MG	DA	3238	1/1	0.97	0.17	18,18,18,18	0
59	MG	AA	3326	1/1	0.97	0.10	22,22,22,22	0
59	MG	DA	3079	1/1	0.97	0.26	37,37,37,37	0
59	MG	BA	1604	1/1	0.97	0.22	47,47,47,47	0
59	MG	AA	4071	1/1	0.97	0.17	70,70,70,70	0
59	MG	DA	4272	1/1	0.97	0.28	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4068	1/1	0.97	0.12	50,50,50,50	0
59	MG	AA	3209	1/1	0.97	0.21	77,77,77,77	0
59	MG	CA	1880	1/1	0.97	0.09	35,35,35,35	0
59	MG	CA	2296	1/1	0.97	0.06	68,68,68,68	0
59	MG	CA	2240	1/1	0.97	0.25	70,70,70,70	0
59	MG	AA	3383	1/1	0.97	0.14	24,24,24,24	0
59	MG	DA	4150	1/1	0.97	0.18	47,47,47,47	0
59	MG	AA	3759	1/1	0.97	0.09	59,59,59,59	0
59	MG	DA	3830	1/1	0.97	0.56	39,39,39,39	0
59	MG	BA	2045	1/1	0.97	0.05	66,66,66,66	0
59	MG	CA	2212	1/1	0.97	0.15	69,69,69,69	0
59	MG	D8	107	1/1	0.97	0.23	44,44,44,44	0
59	MG	AA	3091	1/1	0.97	0.38	59,59,59,59	0
59	MG	DA	3106	1/1	0.97	0.13	56,56,56,56	0
59	MG	DA	3938	1/1	0.97	0.08	96,96,96,96	0
59	MG	DA	4256	1/1	0.97	0.41	115,115,115,115	0
59	MG	AA	3323	1/1	0.97	0.11	48,48,48,48	0
59	MG	BC	103	1/1	0.97	0.09	51,51,51,51	0
59	MG	AA	3109	1/1	0.98	0.27	40,40,40,40	0
59	MG	D1	203	1/1	0.98	0.10	42,42,42,42	0
59	MG	DA	3965	1/1	0.98	0.07	78,78,78,78	0
59	MG	DA	3798	1/1	0.98	0.18	30,30,30,30	0
59	MG	AA	3217	1/1	0.98	0.44	57,57,57,57	0
59	MG	AA	3251	1/1	0.98	0.18	24,24,24,24	0
59	MG	BA	2254	1/1	0.98	0.08	53,53,53,53	0
59	MG	CA	1819	1/1	0.98	0.11	72,72,72,72	0
59	MG	DA	3731	1/1	0.98	0.09	35,35,35,35	0
59	MG	DB	221	1/1	0.98	0.17	35,35,35,35	0
59	MG	DA	4443	1/1	0.98	0.56	36,36,36,36	0
59	MG	AA	3186	1/1	0.98	0.09	19,19,19,19	0
59	MG	AA	3017	1/1	0.98	0.35	29,29,29,29	0
59	MG	DA	4205	1/1	0.98	0.16	37,37,37,37	0
59	MG	DA	4479	1/1	0.98	0.07	50,50,50,50	0
59	MG	DA	3893	1/1	0.98	0.17	7,7,7,7	0
59	MG	DA	3428	1/1	0.98	0.24	38,38,38,38	0
59	MG	DA	3699	1/1	0.98	0.29	1,1,1,1	0
59	MG	AA	3940	1/1	0.98	0.31	61,61,61,61	0
59	MG	DA	3379	1/1	0.98	0.16	36,36,36,36	0
59	MG	DA	3963	1/1	0.98	0.15	59,59,59,59	0
59	MG	CA	1619	1/1	0.98	0.16	24,24,24,24	0
59	MG	DA	4333	1/1	0.98	0.12	52,52,52,52	0
59	MG	AA	3134	1/1	0.98	0.16	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1876	1/1	0.98	0.12	79,79,79,79	0
59	MG	DA	4069	1/1	0.98	0.11	24,24,24,24	0
59	MG	CA	1748	1/1	0.98	0.27	27,27,27,27	0
59	MG	DA	4887	1/1	0.98	0.16	87,87,87,87	0
59	MG	BA	1870	1/1	0.98	0.10	119,119,119,119	0
59	MG	DA	4439	1/1	0.98	0.10	58,58,58,58	0
59	MG	AA	3069	1/1	0.98	0.12	29,29,29,29	0
59	MG	DA	4714	1/1	0.98	0.17	87,87,87,87	0
59	MG	DA	4213	1/1	0.98	0.24	49,49,49,49	0
60	ZN	CQ	101	1/1	0.98	0.09	114,114,114,114	0
59	MG	DA	4219	1/1	0.98	0.21	60,60,60,60	0
59	MG	AA	3381	1/1	0.98	0.16	32,32,32,32	0
59	MG	CA	1809	1/1	0.98	0.24	82,82,82,82	0
59	MG	DB	201	1/1	0.98	0.35	25,25,25,25	0
59	MG	DA	3477	1/1	0.98	0.24	171,171,171,171	0
59	MG	DA	4517	1/1	0.98	0.23	97,97,97,97	0
59	MG	AA	3377	1/1	0.98	0.14	19,19,19,19	0
59	MG	DA	3936	1/1	0.98	0.08	61,61,61,61	0
59	MG	D2	202	1/1	0.98	0.20	52,52,52,52	0
59	MG	BA	1794	1/1	0.98	0.22	49,49,49,49	0
59	MG	DA	3070	1/1	0.98	0.25	24,24,24,24	0
59	MG	AA	3465	1/1	0.98	0.07	28,28,28,28	0
59	MG	AA	3078	1/1	0.98	0.24	44,44,44,44	0
59	MG	DA	4981	1/1	0.98	0.41	41,41,41,41	0
59	MG	AE	303	1/1	0.98	0.23	39,39,39,39	0
59	MG	DA	4270	1/1	0.98	0.18	46,46,46,46	0
59	MG	DA	3670	1/1	0.98	0.21	78,78,78,78	0
59	MG	DA	3632	1/1	0.98	0.10	52,52,52,52	0
59	MG	BA	1855	1/1	0.98	0.23	76,76,76,76	0
59	MG	CA	1713	1/1	0.98	0.42	57,57,57,57	0
59	MG	DA	4460	1/1	0.98	0.14	61,61,61,61	0
59	MG	DA	3155	1/1	0.98	0.18	32,32,32,32	0
59	MG	DA	3398	1/1	0.98	0.19	75,75,75,75	0
59	MG	DA	4395	1/1	0.98	0.19	46,46,46,46	0
59	MG	AA	3513	1/1	0.98	0.29	28,28,28,28	0
59	MG	AF	304	1/1	0.98	0.28	42,42,42,42	0
59	MG	CA	1687	1/1	0.98	0.20	46,46,46,46	0
59	MG	BA	1826	1/1	0.98	0.08	75,75,75,75	0
59	MG	DA	4987	1/1	0.98	0.32	37,37,37,37	0
59	MG	CA	1874	1/1	0.98	0.08	55,55,55,55	0
59	MG	AA	3531	1/1	0.98	0.26	26,26,26,26	0
59	MG	DA	4203	1/1	0.98	0.14	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DT	103	1/1	0.98	0.21	40,40,40,40	0
59	MG	DA	4370	1/1	0.98	0.21	74,74,74,74	0
59	MG	AA	3589	1/1	0.98	0.28	139,139,139,139	0
59	MG	AA	3006	1/1	0.98	0.19	14,14,14,14	0
59	MG	CA	2001	1/1	0.98	0.22	75,75,75,75	0
59	MG	AA	3492	1/1	0.98	0.06	48,48,48,48	0
59	MG	AA	3924	1/1	0.98	0.09	79,79,79,79	0
59	MG	AA	3232	1/1	0.98	0.08	25,25,25,25	0
59	MG	AA	3046	1/1	0.98	0.34	38,38,38,38	0
59	MG	DD	305	1/1	0.98	0.68	78,78,78,78	0
59	MG	DA	3276	1/1	0.98	0.29	34,34,34,34	0
59	MG	DA	4194	1/1	0.98	0.14	37,37,37,37	0
59	MG	AA	3240	1/1	0.98	0.22	34,34,34,34	0
59	MG	DA	3273	1/1	0.98	0.15	18,18,18,18	0
59	MG	DA	3068	1/1	0.98	0.18	15,15,15,15	0
59	MG	CA	1779	1/1	0.98	0.31	38,38,38,38	0
59	MG	DA	3109	1/1	0.98	0.20	18,18,18,18	0
59	MG	CA	1889	1/1	0.98	0.12	59,59,59,59	0
59	MG	AA	3616	1/1	0.98	0.08	42,42,42,42	0
59	MG	AE	301	1/1	0.98	0.18	35,35,35,35	0
59	MG	DA	3444	1/1	0.98	0.36	56,56,56,56	0
59	MG	DA	4157	1/1	0.98	0.23	37,37,37,37	0
59	MG	DA	4696	1/1	0.98	0.18	57,57,57,57	0
59	MG	DA	3080	1/1	0.98	0.37	31,31,31,31	0
59	MG	AA	3720	1/1	0.98	0.55	52,52,52,52	0
59	MG	DA	3478	1/1	0.98	0.10	18,18,18,18	0
59	MG	DA	4076	1/1	0.98	0.11	27,27,27,27	0
59	MG	DA	3687	1/1	0.98	0.16	41,41,41,41	0
59	MG	DA	3040	1/1	0.98	0.23	14,14,14,14	0
59	MG	DA	4767	1/1	0.98	0.28	52,52,52,52	0
59	MG	BA	1842	1/1	0.98	0.06	92,92,92,92	0
59	MG	DA	3295	1/1	0.98	0.21	14,14,14,14	0
59	MG	DA	4169	1/1	0.98	0.29	71,71,71,71	0
59	MG	DA	3032	1/1	0.98	0.25	6,6,6,6	0
59	MG	CA	1629	1/1	0.98	0.22	34,34,34,34	0
59	MG	BA	1791	1/1	0.98	0.10	55,55,55,55	0
59	MG	DA	3726	1/1	0.98	0.08	1,1,1,1	0
59	MG	AA	3203	1/1	0.98	0.12	40,40,40,40	0
59	MG	DA	3125	1/1	0.98	0.49	37,37,37,37	0
59	MG	DO	209	1/1	0.98	0.16	60,60,60,60	0
59	MG	DA	4251	1/1	0.98	0.15	51,51,51,51	0
59	MG	DA	3212	1/1	0.98	0.20	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3602	1/1	0.98	0.36	61,61,61,61	0
59	MG	DA	3022	1/1	0.98	0.30	12,12,12,12	0
59	MG	DA	3145	1/1	0.98	0.26	39,39,39,39	0
59	MG	DA	3482	1/1	0.98	0.12	39,39,39,39	0
59	MG	CA	1606	1/1	0.98	0.13	22,22,22,22	0
59	MG	AA	3896	1/1	0.98	0.13	99,99,99,99	0
59	MG	DA	3895	1/1	0.98	0.24	14,14,14,14	0
59	MG	AA	3741	1/1	0.98	0.22	63,63,63,63	0
59	MG	AA	3001	1/1	0.98	0.18	21,21,21,21	0
59	MG	BA	1807	1/1	0.98	0.15	63,63,63,63	0
59	MG	AA	3222	1/1	0.98	0.18	28,28,28,28	0
59	MG	DA	3354	1/1	0.98	0.16	66,66,66,66	0
59	MG	DA	5064	1/1	0.98	0.12	61,61,61,61	0
59	MG	DA	3876	1/1	0.98	0.43	52,52,52,52	0
59	MG	DA	3092	1/1	0.98	0.12	3,3,3,3	0
59	MG	DA	3105	1/1	0.98	0.19	16,16,16,16	0
59	MG	AA	3466	1/1	0.98	0.03	37,37,37,37	0
59	MG	DA	4283	1/1	0.98	0.13	63,63,63,63	0
59	MG	DA	3753	1/1	0.98	0.07	62,62,62,62	0
59	MG	BA	1617	1/1	0.98	0.34	44,44,44,44	0
59	MG	BA	1611	1/1	0.98	0.16	37,37,37,37	0
59	MG	BA	2259	1/1	0.98	0.18	101,101,101,101	0
59	MG	DA	3072	1/1	0.98	0.29	9,9,9,9	0
59	MG	BA	1836	1/1	0.98	0.07	57,57,57,57	0
59	MG	DA	4768	1/1	0.98	0.13	64,64,64,64	0
59	MG	DA	3059	1/1	0.98	0.13	8,8,8,8	0
59	MG	BE	302	1/1	0.98	0.09	59,59,59,59	0
59	MG	AA	3111	1/1	0.98	0.14	46,46,46,46	0
59	MG	AA	3501	1/1	0.98	0.14	24,24,24,24	0
59	MG	AB	205	1/1	0.98	0.07	54,54,54,54	0
59	MG	DA	3865	1/1	0.98	0.14	87,87,87,87	0
59	MG	DA	3037	1/1	0.98	0.16	1,1,1,1	0
59	MG	DA	3899	1/1	0.98	0.20	8,8,8,8	0
59	MG	AA	3316	1/1	0.98	0.10	47,47,47,47	0
59	MG	DA	3782	1/1	0.98	0.10	38,38,38,38	0
59	MG	DA	4666	1/1	0.98	0.36	60,60,60,60	0
59	MG	AA	3793	1/1	0.98	0.44	63,63,63,63	0
59	MG	AA	3500	1/1	0.98	0.18	22,22,22,22	0
59	MG	DA	4372	1/1	0.98	0.15	53,53,53,53	0
59	MG	DA	3694	1/1	0.98	0.17	41,41,41,41	0
59	MG	DA	5009	1/1	0.98	0.25	66,66,66,66	0
59	MG	DA	3133	1/1	0.98	0.31	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3206	1/1	0.98	0.10	40,40,40,40	0
59	MG	AA	3472	1/1	0.98	0.17	59,59,59,59	0
59	MG	DA	3101	1/1	0.98	0.33	45,45,45,45	0
59	MG	AA	3095	1/1	0.98	0.18	18,18,18,18	0
59	MG	DA	3546	1/1	0.98	0.28	29,29,29,29	0
59	MG	AA	3523	1/1	0.98	0.23	42,42,42,42	0
59	MG	DA	4291	1/1	0.98	0.13	58,58,58,58	0
59	MG	DA	3017	1/1	0.98	0.22	7,7,7,7	0
59	MG	AA	3230	1/1	0.98	0.17	51,51,51,51	0
59	MG	DA	3052	1/1	0.98	0.14	19,19,19,19	0
59	MG	AA	3011	1/1	0.98	0.18	17,17,17,17	0
59	MG	DA	3698	1/1	0.98	0.12	35,35,35,35	0
59	MG	CA	1662	1/1	0.98	0.06	19,19,19,19	0
59	MG	DA	3972	1/1	0.98	0.16	41,41,41,41	0
59	MG	DA	4835	1/1	0.98	0.11	65,65,65,65	0
59	MG	AA	3039	1/1	0.98	0.23	30,30,30,30	0
59	MG	DB	247	1/1	0.98	0.09	61,61,61,61	0
59	MG	DA	3744	1/1	0.98	0.11	58,58,58,58	0
59	MG	DA	4375	1/1	0.98	0.25	52,52,52,52	0
59	MG	DA	3505	1/1	0.98	0.35	51,51,51,51	0
59	MG	AA	3226	1/1	0.98	0.07	68,68,68,68	0
59	MG	AA	3507	1/1	0.98	0.21	30,30,30,30	0
59	MG	DA	3011	1/1	0.98	0.35	1,1,1,1	0
59	MG	DA	3956	1/1	0.98	0.27	45,45,45,45	0
59	MG	DA	4808	1/1	0.98	0.50	61,61,61,61	0
59	MG	CA	2093	1/1	0.98	0.10	64,64,64,64	0
59	MG	AA	3034	1/1	0.98	0.12	41,41,41,41	0
59	MG	CA	2085	1/1	0.98	0.16	58,58,58,58	0
59	MG	DA	4882	1/1	0.98	0.16	74,74,74,74	0
59	MG	DA	3028	1/1	0.98	0.20	18,18,18,18	0
59	MG	DA	3071	1/1	0.98	0.21	13,13,13,13	0
59	MG	DA	3063	1/1	0.98	0.38	23,23,23,23	0
59	MG	AA	3859	1/1	0.98	0.18	80,80,80,80	0
59	MG	DA	3706	1/1	0.98	0.26	20,20,20,20	0
59	MG	AA	3600	1/1	0.98	0.09	46,46,46,46	0
59	MG	CA	1647	1/1	0.98	0.20	13,13,13,13	0
59	MG	DA	3185	1/1	0.98	0.25	54,54,54,54	0
59	MG	DA	3776	1/1	0.98	0.12	46,46,46,46	0
59	MG	DA	4419	1/1	0.98	0.14	57,57,57,57	0
59	MG	DA	3358	1/1	0.98	0.27	23,23,23,23	0
59	MG	DA	4090	1/1	0.98	0.06	52,52,52,52	0
59	MG	AA	3003	1/1	0.98	0.10	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4024	1/1	0.98	0.07	47,47,47,47	0
59	MG	BA	1904	1/1	0.98	0.21	38,38,38,38	0
59	MG	DA	3585	1/1	0.98	0.28	10,10,10,10	0
59	MG	DA	4401	1/1	0.98	0.30	87,87,87,87	0
59	MG	CA	1607	1/1	0.98	0.21	20,20,20,20	0
59	MG	AA	3731	1/1	0.98	0.08	79,79,79,79	0
59	MG	DA	3432	1/1	0.98	0.23	46,46,46,46	0
59	MG	DA	3244	1/1	0.98	0.15	97,97,97,97	0
59	MG	BA	1953	1/1	0.98	0.11	68,68,68,68	0
59	MG	AA	3140	1/1	0.98	0.21	57,57,57,57	0
59	MG	DA	3031	1/1	0.98	0.23	3,3,3,3	0
59	MG	AA	3348	1/1	0.98	0.13	26,26,26,26	0
59	MG	AA	3378	1/1	0.98	0.12	50,50,50,50	0
59	MG	BA	2273	1/1	0.98	0.16	94,94,94,94	0
59	MG	DA	4441	1/1	0.98	0.17	62,62,62,62	0
59	MG	AA	3048	1/1	0.98	0.21	41,41,41,41	0
59	MG	AA	3047	1/1	0.98	0.08	28,28,28,28	0
59	MG	DA	3774	1/1	0.98	0.13	37,37,37,37	0
59	MG	CA	1640	1/1	0.98	0.05	28,28,28,28	0
59	MG	DB	262	1/1	0.98	0.45	89,89,89,89	0
59	MG	DA	3153	1/1	0.98	0.26	26,26,26,26	0
59	MG	AA	3177	1/1	0.98	0.19	26,26,26,26	0
59	MG	DA	3057	1/1	0.98	0.23	6,6,6,6	0
59	MG	DA	3129	1/1	0.99	0.22	14,14,14,14	0
59	MG	DA	3925	1/1	0.99	0.06	25,25,25,25	0
59	MG	CA	1671	1/1	0.99	0.32	24,24,24,24	0
59	MG	AA	3133	1/1	0.99	0.10	25,25,25,25	0
59	MG	DA	4725	1/1	0.99	0.21	56,56,56,56	0
59	MG	DA	4023	1/1	0.99	0.09	41,41,41,41	0
59	MG	AA	3112	1/1	0.99	0.18	102,102,102,102	0
59	MG	DA	3529	1/1	0.99	0.30	84,84,84,84	0
59	MG	AA	3191	1/1	0.99	0.28	31,31,31,31	0
59	MG	DA	4162	1/1	0.99	0.28	59,59,59,59	0
59	MG	AA	3129	1/1	0.99	0.14	31,31,31,31	0
59	MG	CA	2039	1/1	0.99	0.11	66,66,66,66	0
59	MG	AA	3504	1/1	0.99	0.16	31,31,31,31	0
59	MG	DA	4312	1/1	0.99	0.20	49,49,49,49	0
59	MG	DA	3316	1/1	0.99	0.11	43,43,43,43	0
59	MG	DA	3001	1/1	0.99	0.25	8,8,8,8	0
59	MG	AA	3227	1/1	0.99	0.14	30,30,30,30	0
59	MG	AA	3015	1/1	0.99	0.15	19,19,19,19	0
59	MG	AA	3459	1/1	0.99	0.32	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3749	1/1	0.99	0.05	92,92,92,92	0
59	MG	DA	4434	1/1	0.99	0.18	59,59,59,59	0
59	MG	DA	4729	1/1	0.99	0.36	39,39,39,39	0
59	MG	DA	4873	1/1	0.99	0.17	49,49,49,49	0
59	MG	AA	3190	1/1	0.99	0.21	26,26,26,26	0
59	MG	DA	3016	1/1	0.99	0.17	4,4,4,4	0
59	MG	DA	3966	1/1	0.99	0.09	41,41,41,41	0
59	MG	DA	3086	1/1	0.99	0.19	17,17,17,17	0
59	MG	DA	4191	1/1	0.99	0.21	48,48,48,48	0
59	MG	DA	4850	1/1	0.99	0.15	38,38,38,38	0
59	MG	DA	3437	1/1	0.99	0.15	47,47,47,47	0
59	MG	AA	3057	1/1	0.99	0.19	49,49,49,49	0
59	MG	DA	3563	1/1	0.99	0.14	44,44,44,44	0
59	MG	DA	3323	1/1	0.99	0.21	41,41,41,41	0
59	MG	DA	4959	1/1	0.99	0.15	45,45,45,45	0
59	MG	DA	3033	1/1	0.99	0.28	13,13,13,13	0
59	MG	DA	3082	1/1	0.99	0.23	27,27,27,27	0
59	MG	AA	3696	1/1	0.99	0.15	47,47,47,47	0
59	MG	BA	2025	1/1	0.99	0.17	90,90,90,90	0
59	MG	AA	3509	1/1	0.99	0.16	19,19,19,19	0
59	MG	CA	1762	1/1	0.99	0.11	49,49,49,49	0
59	MG	AA	3483	1/1	0.99	0.42	65,65,65,65	0
59	MG	DA	5036	1/1	0.99	0.22	52,52,52,52	0
59	MG	DA	4711	1/1	0.99	0.15	94,94,94,94	0
59	MG	DA	3014	1/1	0.99	0.37	7,7,7,7	0
59	MG	DD	314	1/1	0.99	0.74	32,32,32,32	0
59	MG	AA	3009	1/1	0.99	0.16	18,18,18,18	0
59	MG	DA	3087	1/1	0.99	0.17	15,15,15,15	0
59	MG	DA	3292	1/1	0.99	0.11	48,48,48,48	0
59	MG	DA	3242	1/1	0.99	0.25	18,18,18,18	0
59	MG	DA	4172	1/1	0.99	0.23	41,41,41,41	0
59	MG	DA	3297	1/1	0.99	0.20	27,27,27,27	0
59	MG	AA	3228	1/1	0.99	0.06	53,53,53,53	0
59	MG	DA	4167	1/1	0.99	0.28	44,44,44,44	0
59	MG	DA	4138	1/1	0.99	0.11	54,54,54,54	0
59	MG	DA	3056	1/1	0.99	0.21	12,12,12,12	0
59	MG	CA	2015	1/1	0.99	0.10	57,57,57,57	0
59	MG	DB	206	1/1	0.99	0.04	34,34,34,34	0
59	MG	DA	3583	1/1	0.99	0.21	3,3,3,3	0
59	MG	DA	4091	1/1	0.99	0.10	42,42,42,42	0
59	MG	DO	215	1/1	0.99	0.09	41,41,41,41	0
59	MG	BA	1837	1/1	0.99	0.10	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3034	1/1	0.99	0.24	11,11,11,11	0
59	MG	DA	4772	1/1	0.99	0.11	46,46,46,46	0
59	MG	DA	3589	1/1	0.99	0.14	7,7,7,7	0
59	MG	DA	3239	1/1	0.99	0.35	37,37,37,37	0
59	MG	CA	2125	1/1	0.99	0.28	79,79,79,79	0
59	MG	BA	2214	1/1	0.99	0.15	90,90,90,90	0
59	MG	DA	3051	1/1	0.99	0.23	17,17,17,17	0
59	MG	CP	201	1/1	0.99	0.08	54,54,54,54	0
59	MG	CA	1758	1/1	0.99	0.12	52,52,52,52	0
59	MG	DA	4144	1/1	0.99	0.31	45,45,45,45	0
59	MG	AA	3489	1/1	0.99	0.30	63,63,63,63	0
60	ZN	BG	308	1/1	0.99	0.25	71,71,71,71	0
59	MG	AA	3916	1/1	0.99	0.15	93,93,93,93	0
59	MG	DA	3007	1/1	0.99	0.33	10,10,10,10	0
59	MG	DA	3030	1/1	0.99	0.20	3,3,3,3	0
59	MG	DA	3380	1/1	0.99	0.13	55,55,55,55	0
59	MG	DA	4049	1/1	0.99	0.20	33,33,33,33	0
59	MG	AA	3926	1/1	0.99	0.11	52,52,52,52	0
59	MG	DA	4487	1/1	0.99	0.20	94,94,94,94	0
59	MG	DA	3043	1/1	0.99	0.23	23,23,23,23	0
59	MG	DA	3420	1/1	0.99	0.32	51,51,51,51	0
59	MG	CA	1724	1/1	0.99	0.20	45,45,45,45	0
59	MG	DA	3618	1/1	0.99	0.11	14,14,14,14	0
59	MG	CA	2244	1/1	0.99	0.18	126,126,126,126	0
59	MG	AA	3577	1/1	0.99	0.08	80,80,80,80	0
59	MG	D2	203	1/1	0.99	0.19	57,57,57,57	0
59	MG	CA	2243	1/1	0.99	0.12	53,53,53,53	0
59	MG	DA	4058	1/1	0.99	0.13	81,81,81,81	0
59	MG	AA	3267	1/1	0.99	0.09	49,49,49,49	0
59	MG	DA	3991	1/1	0.99	0.07	96,96,96,96	0
59	MG	DA	3089	1/1	0.99	0.36	23,23,23,23	0
59	MG	DA	3058	1/1	0.99	0.19	15,15,15,15	0
59	MG	DA	4220	1/1	0.99	0.10	40,40,40,40	0
59	MG	AA	3223	1/1	0.99	0.15	14,14,14,14	0
59	MG	DA	3886	1/1	0.99	0.04	48,48,48,48	0
59	MG	DA	3024	1/1	0.99	0.20	9,9,9,9	0
59	MG	AA	3522	1/1	0.99	0.04	14,14,14,14	0
59	MG	AA	3138	1/1	0.99	0.17	19,19,19,19	0
59	MG	DA	4111	1/1	0.99	0.09	54,54,54,54	0
59	MG	AA	3053	1/1	0.99	0.15	30,30,30,30	0
59	MG	AA	3147	1/1	0.99	0.12	60,60,60,60	0
59	MG	DA	3973	1/1	0.99	0.13	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4025	1/1	0.99	0.07	48,48,48,48	0
59	MG	DA	3047	1/1	0.99	0.18	1,1,1,1	0
59	MG	DA	3697	1/1	0.99	0.18	6,6,6,6	0
59	MG	CA	1711	1/1	0.99	0.13	62,62,62,62	0
59	MG	BA	1747	1/1	0.99	0.18	50,50,50,50	0
59	MG	DA	3067	1/1	0.99	0.40	14,14,14,14	0
59	MG	DA	4002	1/1	0.99	0.15	42,42,42,42	0
59	MG	DA	3009	1/1	0.99	0.18	10,10,10,10	0
59	MG	DA	3650	1/1	1.00	0.17	37,37,37,37	0

6.5 Other polymers [i](#)

There are no such residues in this entry.