



wwPDB X-ray Structure Validation Summary Report ⓘ

Jun 26, 2019 – 10:09 AM EDT

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 : 1.8.0 (224370), CSD as540be (2019)
Xtriage (Phenix) : 1.13
EDS : 2.3.2
Percentile statistics : 20171227.v01 (using entries in the PDB archive December 27th 2017)
Refmac : 5.8.0158
CCP4 : 7.0 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.3.2

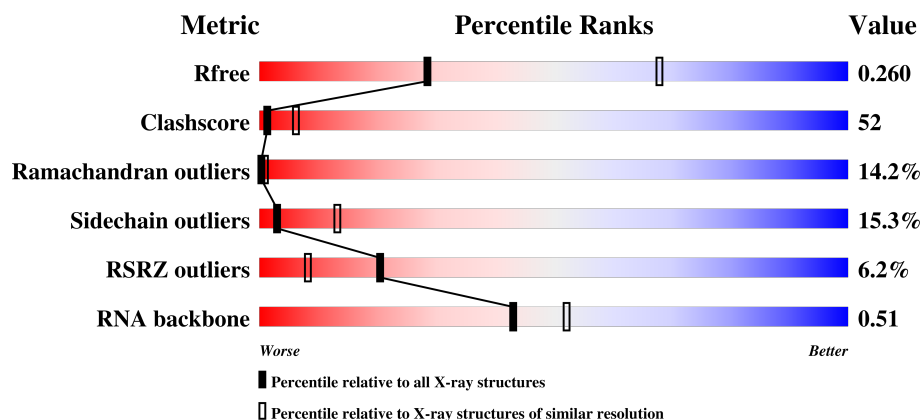
1 Overall quality at a glance

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}	111664	1115 (3.12-3.08)
Clashscore	122126	1042 (3.10-3.10)
Ramachandran outliers	120053	1010 (3.10-3.10)
Sidechain outliers	120020	1010 (3.10-3.10)
RSRZ outliers	108989	1089 (3.12-3.08)
RNA backbone	2636	1015 (3.44-2.76)

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. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

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

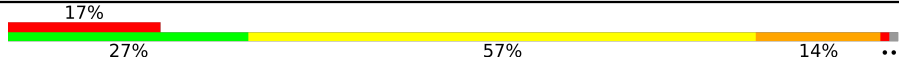
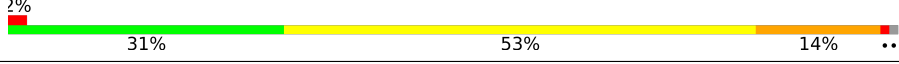
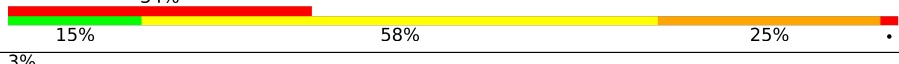
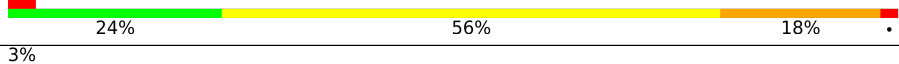
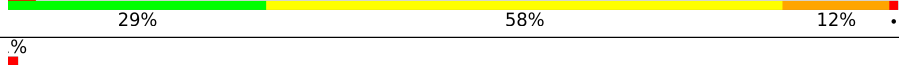
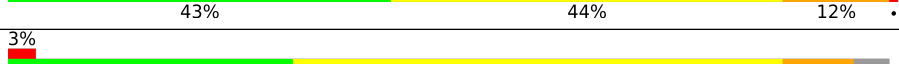
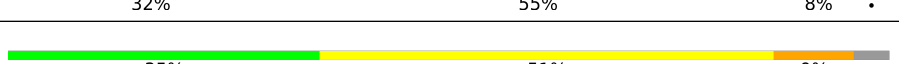
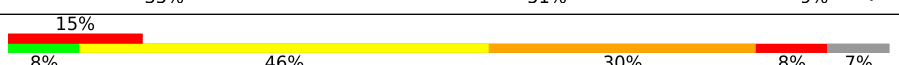
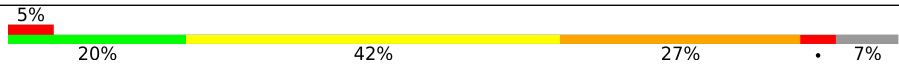

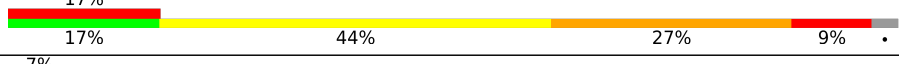
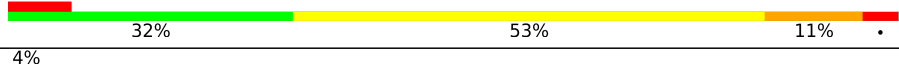
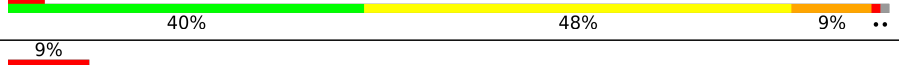
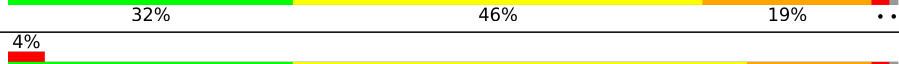
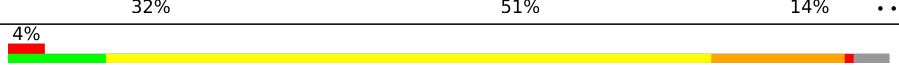
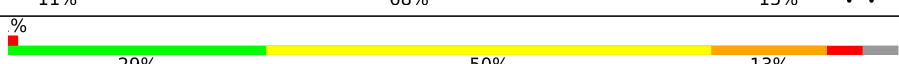
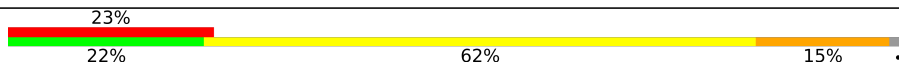
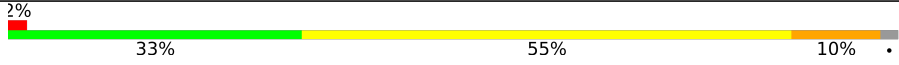



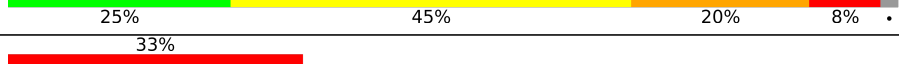



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Mol	Chain	Length	Quality of chain
3	DD	276	
4	AE	206	
4	DE	206	
5	AF	210	
5	DF	210	
6	AG	182	
6	DG	182	
7	AH	180	
7	DH	180	
8	AK	148	
8	DK	148	
9	AM	140	
9	DM	140	
10	AN	122	
10	DN	122	
11	AO	150	
11	DO	150	
12	AP	141	
12	DP	141	
13	A0	118	
13	D0	118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

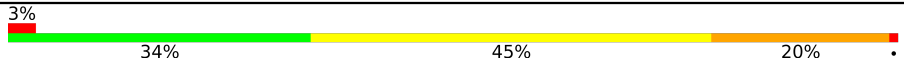
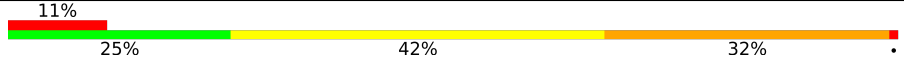
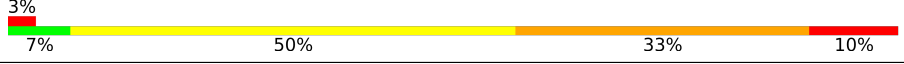

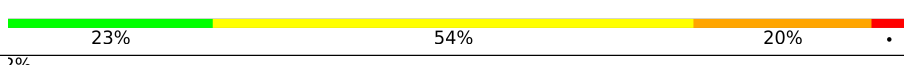
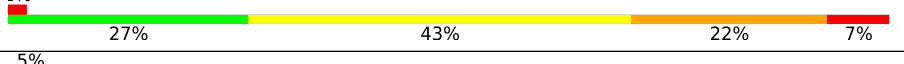
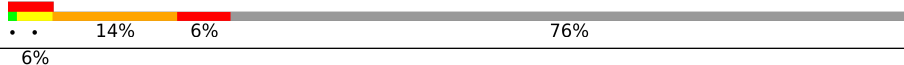


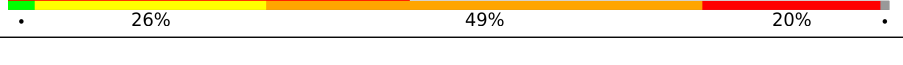
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Mol	Chain	Length	Quality of chain
41	CN	129	
42	BO	132	
42	CO	132	
43	BP	126	
43	CP	126	
44	BQ	61	
44	CQ	61	
45	BR	89	
45	CR	89	
46	BS	88	
46	CS	88	
47	BT	105	
47	CT	105	
48	BU	88	
48	CU	88	
49	BV	93	
49	CV	93	
50	BW	106	
50	CW	106	
51	BX	27	
51	CX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

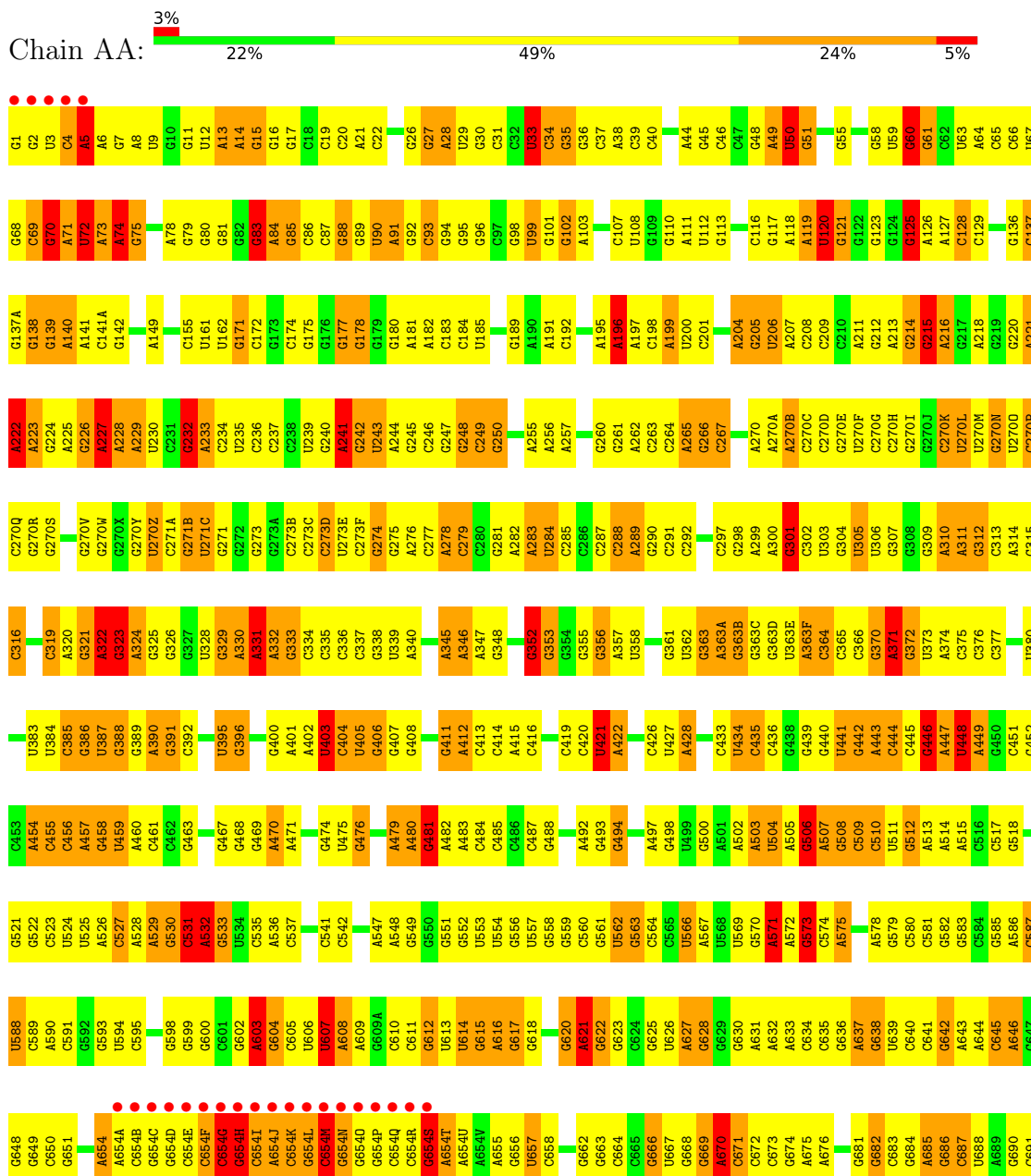
- Molecule 61 is water.

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

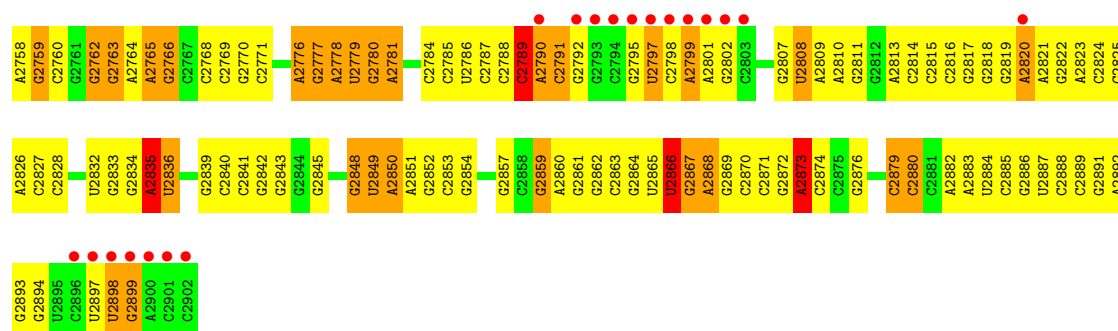
These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are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



C1599	C1598	C1597	C1596	C1595	C1594	C1593	C1592	C1591	C1590	C1589	C1588	C1587	C1586	C1585	C1584	C1583	C1582	C1581	C1580	C1579	C1578	C1577	C1576	C1575	C1574	C1573	C1572	C1571	C1570	C1569	C1568	C1567	C1566	C1565	C1564	C1563	C1562	C1561	C1560	C1559	C1558	C1557	C1556	C1555	C1554	C1553	C1552	C1551	C1550	C1549	C1548	C1547	C1546	C1545	C1544	C1543	C1542	C1541	C1540	C1539	C1538	C1537	C1536	C1535	C1534	C1533	C1532	C1531	C1530	C1529	C1528	C1527	C1526	C1525	C1524	C1523	C1522	C1521	C1520	C1519	C1518	C1517	C1516	C1515	C1514	C1513	C1512	C1511	C1510	C1509	C1508	C1507	C1506	C1505	C1504	C1503	C1502	C1501	C1500	C1499	C1498	C1497	C1496	C1495	C1494	C1493	C1492	C1491	C1490	C1489	C1488	C1487	C1486	C1485	C1484	C1483	C1482	C1481	C1480	C1479	C1478	C1477	C1476	C1475	C1474	C1473	C1472	C1471	C1470	C1469	C1468	C1467	C1466	C1465	C1464	C1463	C1462	C1461	C1460	C1459	C1458	C1457	C1456	C1455	C1454	C1453	C1452	C1451	C1450	C1449	C1448	C1447	C1446	C1445	C1444	C1443	C1442	C1441	C1440	C1439	C1438	C1437	C1436	C1435	C1434	C1433	C1432	C1431	C1430	C1429	C1428	C1427	C1426	C1425	C1424	C1423	C1422	C1421	C1420	C1419	C1418	C1417	C1416	C1415	C1414	C1413	C1412	C1411	C1410	C1409	C1408	C1407	C1406	C1405	C1404	C1403	C1402	C1401	C1400	C1399	A1398	A1397	A1396	A1395	A1394	A1393	A1392	A1391	A1390	A1389	A1388	A1387	A1386	A1385	A1384	A1383	A1382	A1381	C1380	A1379	A1378	C1377	C1376	C1375	C1374	A1373	C1372	A1371	C1370	A1369	C1368	A1367	A1366	A1365	A1364	C1363	A1362	C1361	A1360	C1359	A1358	C1357	A1356	C1355	A1354	C1353	A1352	A1351	A1350	A1349	A1348	A1347	A1346	A1345	A1344	A1343	A1342	A1341	A1340	A1339	A1338	A1337	A1336	A1335	A1334	A1333	A1332	A1331	A1330	A1329	A1328	A1327	A1326	A1325	A1324	A1323	A1322	A1321	A1320	A1319	A1318	A1317	A1316	A1315	A1314	A1313	A1312	A1311	A1310	A1309	A1308	A1307	A1306	A1305	A1304	A1303	A1302	A1301	A1300	A1299	A1298	A1297	A1296	A1295	A1294	A1293	A1292	A1291	A1290	A1289	A1288	A1287	A1286	A1285	A1284	A1283	A1282	A1281	A1280	A1279	A1278	A1277	A1276	A1275	A1274	A1273	U1272	U1271	U1270	U1269	U1268	U1267	U1266	U1265	U1264	U1263	U1262	U1261	U1260	U1259	U1258	U1257	U1256	U1255	U1254	U1253	U1252	U1251	U1250	U1249	U1248	U1247	U1246	U1245	U1244	U1243	U1242	U1241	U1240	U1239	U1238	U1237	U1236	U1235	U1234	U1233	U1232	U1231	U1230	U1229	U1228	U1227	U1226	U1225	U1224	U1223	U1222	U1221	U1220	U1219	U1218	U1217	U1216	U1215	U1214	U1213	U1212	U1211	C1185	C1184	C1183	C1182	C1181	C1180	C1179	C1178	C1177	C1176	C1175	C1174	C1173	C1172	C1171	C1170	C1169	C1168	C1167	C1166	C1165	C1164	C1163	C1162	C1161	C1160	C1159	C1158	C1157	C1156	C1155	C1154	C1153	C1152	C1151	C1150	A1086	U1019	U1018	C986	C985	C984	C983	C982	C981	C980	C979	C978	C977	C976	C975	C974	C973	C972	C971	C970	C969	C968	C967	C966	C965	C964	C963	C962	C961	C960	C959	C958	C957	C956	C955	C954	C953	C952	C951	C950	C949	C948	C947	C946	C945	C944	C943	C942	C941	C940	C939	C938	C937	C936	C935	C934	C933	C932	C931	C930	C929	C928	C927	C926	C925	C924	C923	C922	C921	C920	C919	C918	C917	C916	C915	C914	C913	C912	C911	C910	C909	C908	C907	C906	C905	C904	C903	C902	C901	C900	C899	C898	C897	C896	C895	C894	C893	C892	U827	U826	U825	U824	U823	U822	U821	U820	U819	U818	U817	U816	U815	U814	U813	U812	U811	U810	U809	U808	U807	U806	U805	U804	U803	U802	U801	A800	C733	C732	C731	C730	C729	C728	C727	C726	C725	C724	C723	C722	C721	C720	C719	C718	C717	C716	C715	C714	C713	C712	C711	C710	C709	C708	C707	C706	C705	C704	C703	C702	C701	C700	C699	C698	C697	C696	C695	C694	C693	C692	C691	C690	C689	C688	C687	C686	C685	C684	C683	C682	C681	C680	C679	C678	C677	C676	C675	C674	C673	C672	C671	C670	C669	C668	C667	C666	C665	C664	C663	C662	C661	C660	C659	C658	C657	C656	C655	C654	C653	C652	C651	C650	C649	C648	C647	C646	C645	C644	C643	C642	C641	C640	C639	C638	C637	C636	C635	C634	C633	C632	C631	C630	C629	C628	C627	C626	C625	C624	C623	C622	C621	C620	C619	C618	C617	C616	C615	C614	C613	C612	C611	C610	C609	C608	C607	C606	C605	C604	C603	C602	C601	C600	C599	C598	C597	C596	C595	C594	C593	C592	C591	C590	C589	C588	C587	C586	C585	C584	C583	C582	C581	C580	C579	C578	C577	C576	C575	C574	C573	C572	C571	C570	C569	C568	C567	C566	C565	C564	C563	C562	C561	C560	C559	C558	C557	C556	C555	C554	C553	C552	C551	C550	C549	C548	C547	C546	C545	C544	C543	C542	C541	C540	C539	C538	C537	C536	C535	C534	C533	C532	C531	C530	C529	C528	C527	C526	C525	C524	C523	C522	C521	C520	C519	C518	C517	C516	C515	C514	C513	C512	C511	C510	C509	C508	C507	C506	C505	C504	C503	C502	C501	C500	C499	C498	C497	C496	C495	C494	C493	C492	C491	C490	C489	C488	C487	C486	C485	C484	C483	C482	C481	C480	C479	C478	C477	C476	C475	C474	C473	C472	C471	C470	C469	C468	C467	C466	C465	C464	C463	C462	C461	C460	C459	C458	C457	C456	C455	C454	C453	C452	C451	C450	C449	C448	C447	C446	C445	C444	C443	C442	C441	C440	C439	C438	C437	C436	C435	C434	C433	C432	C431	C430	C429	C428	C427	C426	C425	C424	C423	C422	C421	C420	C419	C418	C417	C416	C415	C414	C413	C412	C411	C410	C409	C408	C407	C406	C405	C404	C403	C402	C401	C400	C399	C398	C397	C396	C395	C394	C393	C392	C391	C390	C389	C388	C387	C386	C385	C384	C383	C382	C381	C380	C379	C378	C377	C376	C375	C374	C373	C372	C371	C370	C369	C368	C367	C366	C365	C364	C363	C362	C361	C360	C359	C358	C357	C356	C355	C354	C353	C352	C351	C350	C349	C348	C347	C346	C345	C344	C343	C342	C341	C340	C339	C338	C337	C336	C335	C334	C333	C332	C331	C330	C329	C328	C327	C326	C325	C324	C323	C322	C321	C320	C319	C318	C317	C316	C315	C314	C313	C312	C311	C310	C309	C308	C307	C306	C305	C304	C303	C302	C301	C300	C299	C298	C297	C296	C295	C294	C293	C292	C291	C290	C289	C288	C287	C286	C285	C284	C283	C282	C281	C280	C279	C278	C277	C276	C275	C274	C273	C272	C271	C270	C269	C268	C267	C266	C265	C264	C263	C262	C261	C260	C259	C258	C257	C256	C255	C254	C253	C252	C251	C250	C249	C248	C247	C246	C245	C244	C243	C242	C241	C240	C239	C238	C237	C236	C235	C234	C233	C232	C231	C230	C229	C228	C227	C226	C225	C224	C223	C222	C221	C220	C219	C218	C217	C216	C215	C214	C213	C212	C211	C210	C209	C208	C207	C206	C205	C204	C203	C202	C201	C200	C199	C198	C197	C196	C195	C194	C193	C192	C191	C190	C189	C188	C187	C186	C185	C184	C183	C182	C181	C180	C179	C178	C177	C176	C175	C174	C173	C172	C171	C170	C169	C168	C167	C166	C165	C164	C163	C162	C161	C160	C159	C158	C157	C156	C155	C154	C153	C152	C151	C150	C149	C148	C147	C146	C145	C144	C143	C142	C141	C140	C139	C138	C137	C136	C135	C134	C133	C132	C131	C130	C129	C128	C127	C126	C125	C124	C123	C122	C121	C120	C119	C118	C117	C116	C115	C114	C113	C112	C111	C110	C109	C108	C107	C106	C105	C104	C103	C102	C101	C100	C999	C998	C997	C996	C995	C994	C993	C992	C991	C990	C989	C988	C987	C986	C985	C984	C983	C982	C981	C980	C979	C978	C977	C976	C975	C974	C973	C972	C971	C970	C969	C968	C967	C966	C965	C964	C963	C962	C961	C960	C959	C958	C957	C956	C955	C954	C953	C952	C951	C950	C949	C948	C947	C946	C945	C944	C943	C942	C941	C940	C939	C938	C937	C936	C935	C934	C933	C932	C931	C930	C929	C928	C927	C926	C925	C924	C923	C922	C921	C920	C919	C918	C917	C916	C915	C914	C913	C912	C911	C910	C909	C908	C907	C906	C905	C904	C903	C902	C901	C900	C899	C898	C897	C896	C895	C894	C893	C892	C891	C890	C889	C888	C887	C886	C885	C884	C883	C882	C881	C880	C879	C878	C877	C876	C875	C874	C873	C872	C871	C870	C869	C868	C867	C866	C865	C864	C863	C862	C861	C860	C859	C858	C857	C856	C855	C854	C853	C852	C851	C850	C849	C848	C847	C846	C845	C844	C843	C842	C841	C840	C839	C838	C837	C836	C835	C834	C833	C832	C831	C830	C829	C828	C827	C826	C825	C824	C823	C822	C821	C820	C819	C818	C817	C816	C815	C814	C813	C812	C811	C810	C809	C808	C807	C806	C805	C804	C803	C802	C801	A800	C733	C732	C731	C730	C729	C728	C727	C726	C725	C724	C723	C722	C721	C720	C719	C718	C717	C716	C715	C714	C713	C712	C711	C710	C709	C708	C707	C706	C705	C704	C703	C702	C701	C700	C699	C698	C697	C696	C695	C694	C693	C692	C691	C690	C689	C688	C687	C686	C685	C684	C683	C682	C681	C680	C679	C678	C677	C676	C675	C674	C673	C672	C671	C670	C669	C668	C667	C666	C665	C664	C663	C662	C661	C660	C659	C658	C657	C656	C655	C654	C653	C652</
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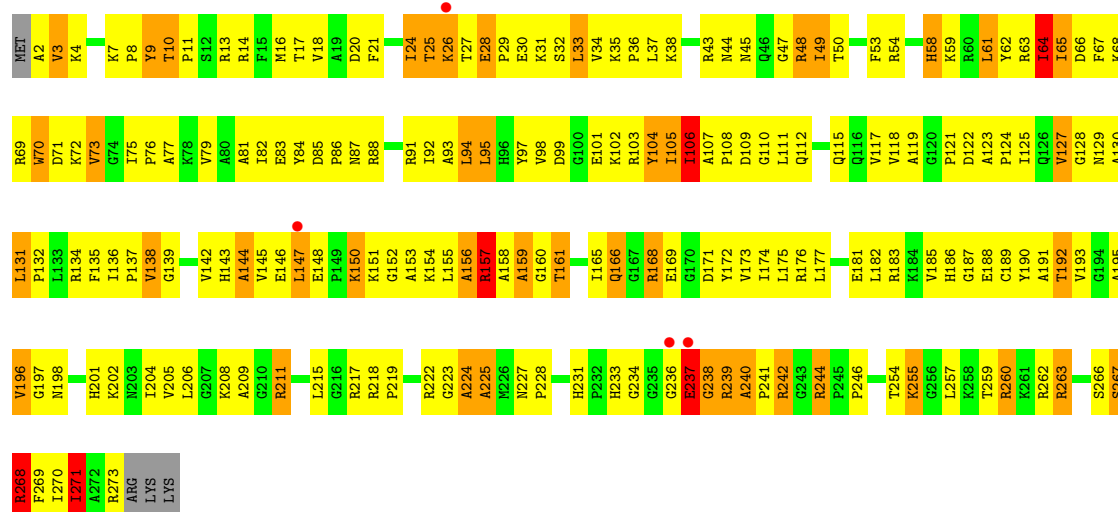
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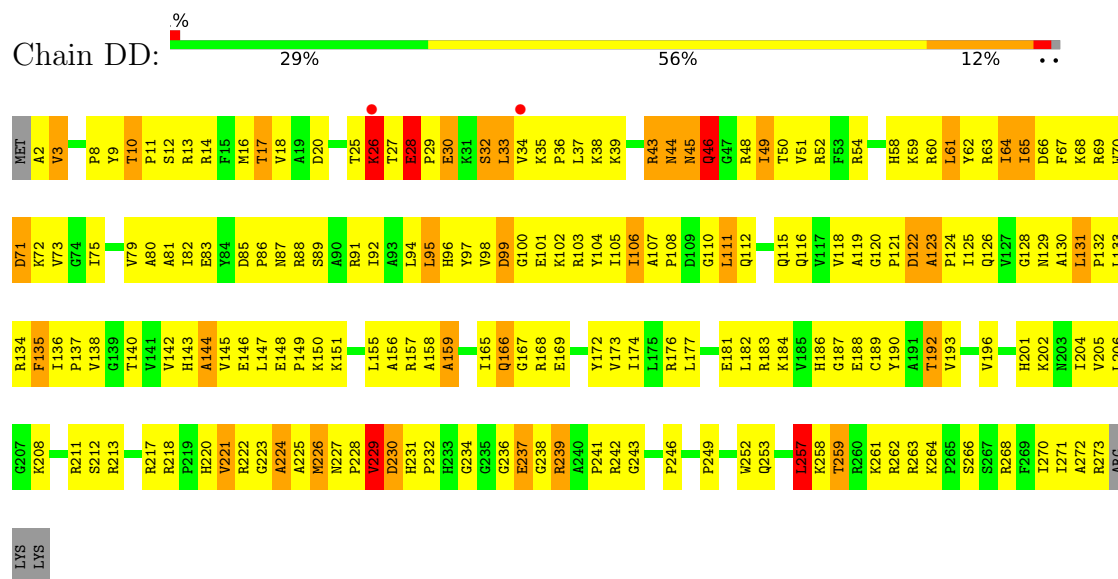
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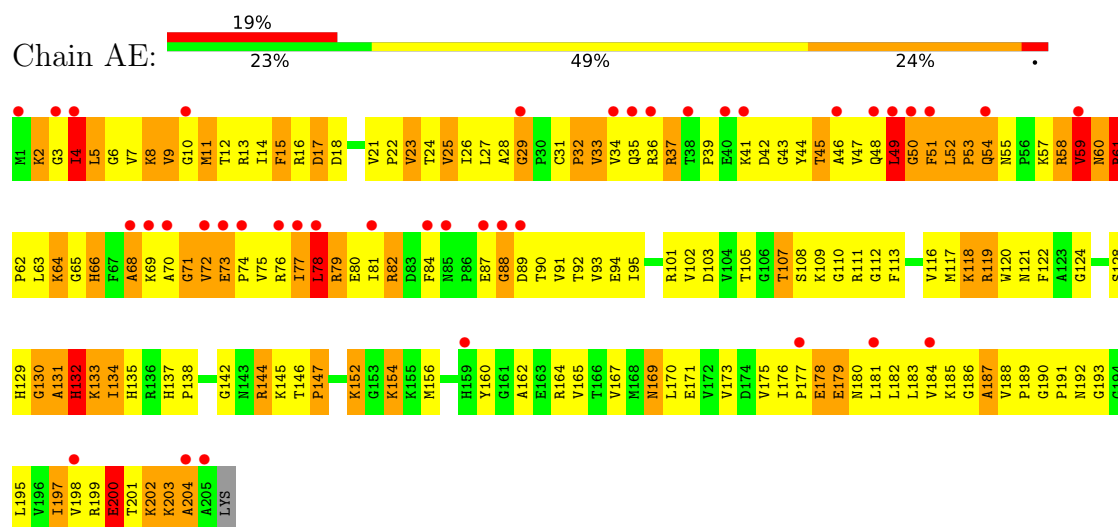
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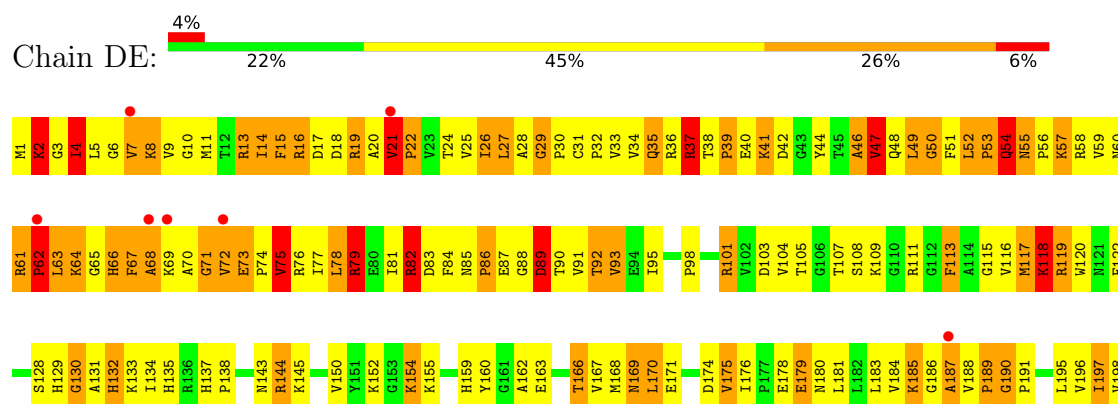
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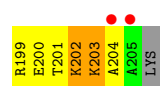


• Molecule 4: 50S RIBOSOMAL PROTEIN L3

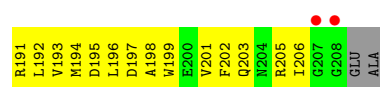
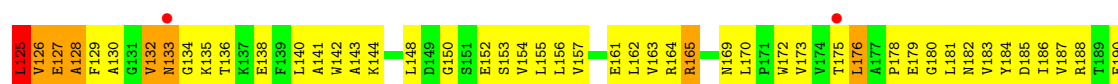
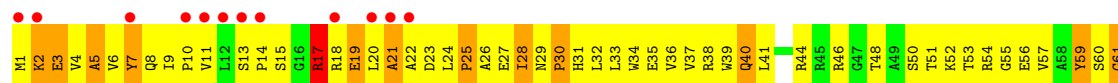


• Molecule 4: 50S RIBOSOMAL PROTEIN L3

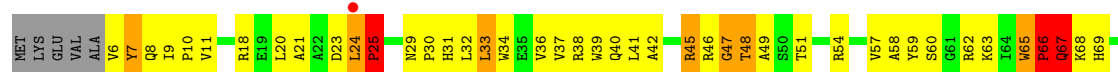




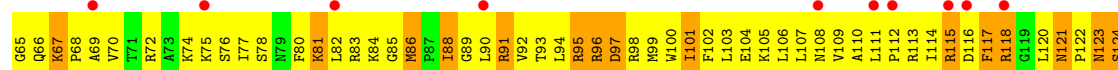
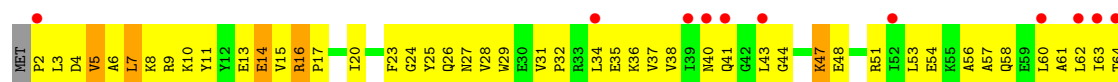
● Molecule 5: 50S RIBOSOMAL PROTEIN L4



● Molecule 5: 50S RIBOSOMAL PROTEIN L4



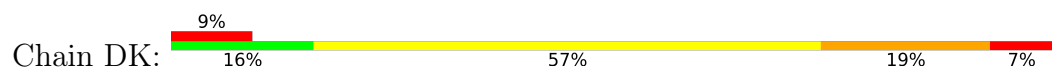
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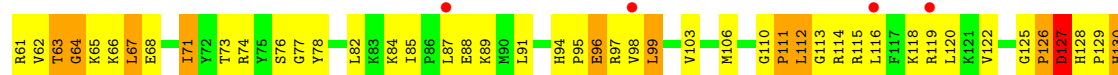
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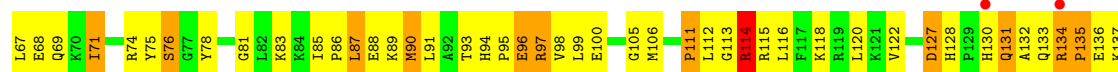
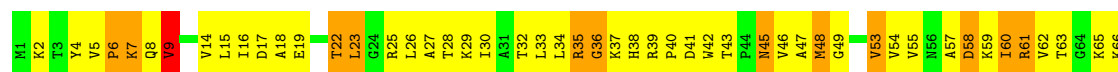
● Molecule 8: 50S RIBOSOMAL PROTEIN L9



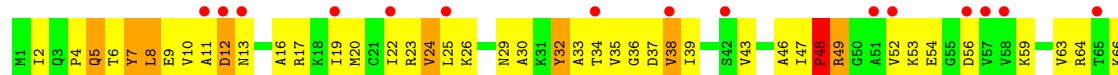
● Molecule 9: 50S RIBOSOMAL PROTEIN L13

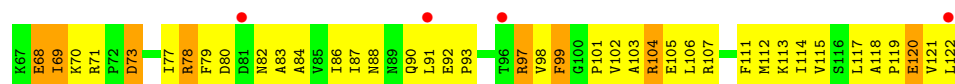


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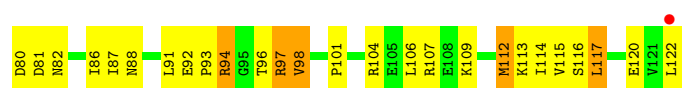
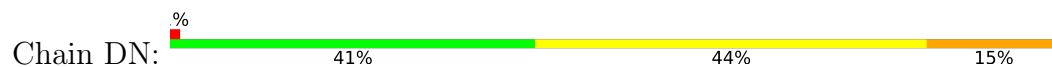


● Molecule 10: 50S RIBOSOMAL PROTEIN L14

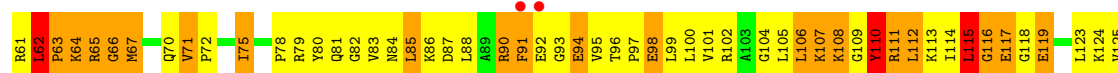
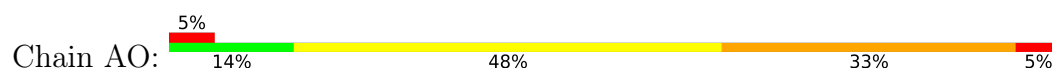




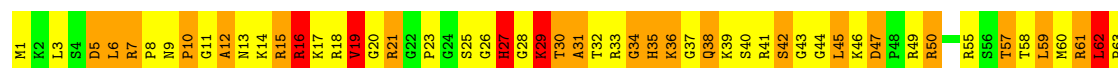
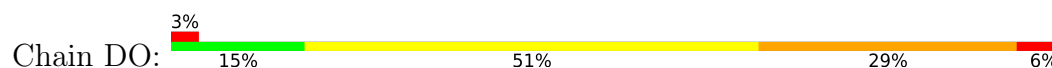
• Molecule 10: 50S RIBOSOMAL PROTEIN L14



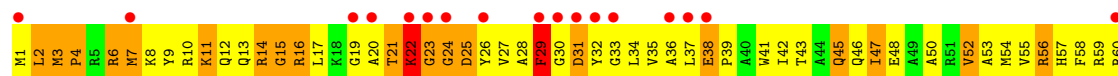
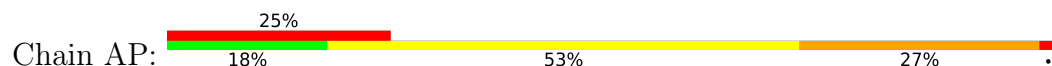
• Molecule 11: 50S RIBOSOMAL PROTEIN L15

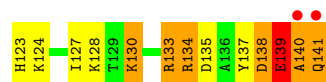


• Molecule 11: 50S RIBOSOMAL PROTEIN L15

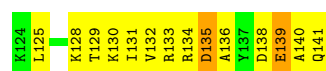


• Molecule 12: 50S RIBOSOMAL PROTEIN L16





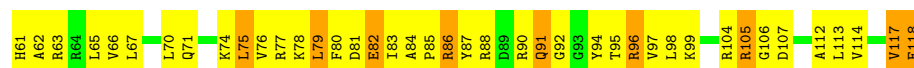
● Molecule 12: 50S RIBOSOMAL PROTEIN L16



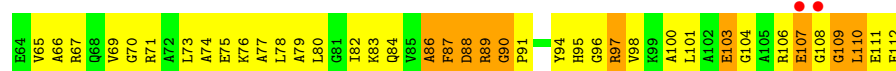
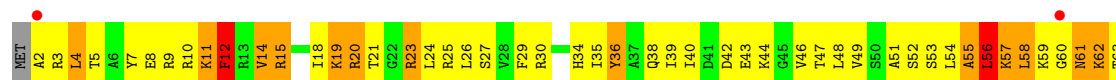
● Molecule 13: 50S RIBOSOMAL PROTEIN L17



● Molecule 13: 50S RIBOSOMAL PROTEIN L17



● Molecule 14: 50S RIBOSOMAL PROTEIN L18

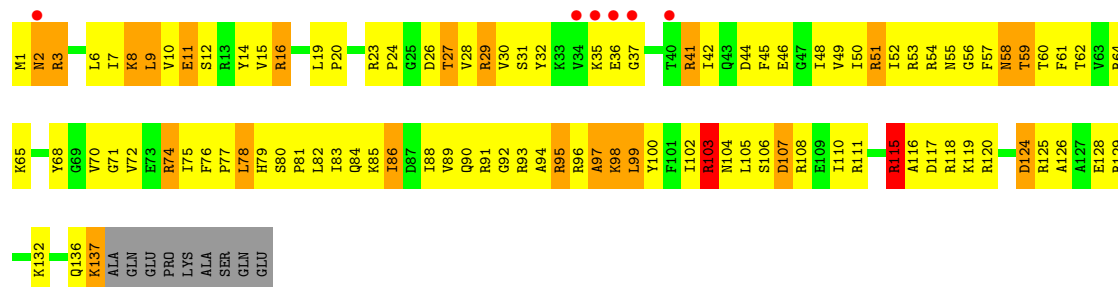


● Molecule 14: 50S RIBOSOMAL PROTEIN L18

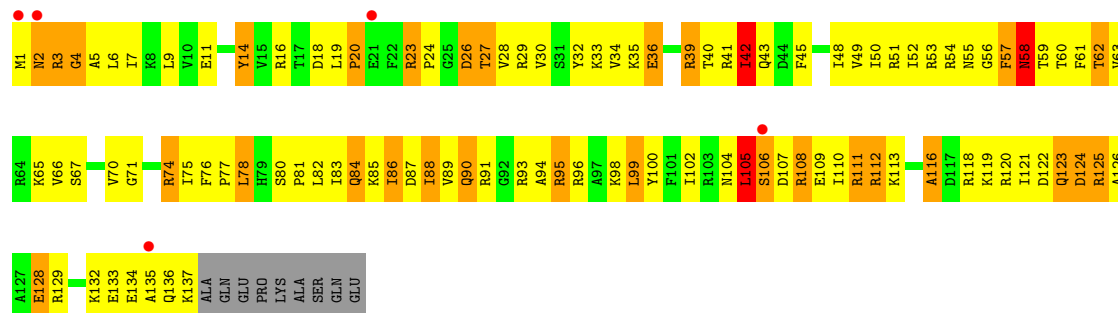




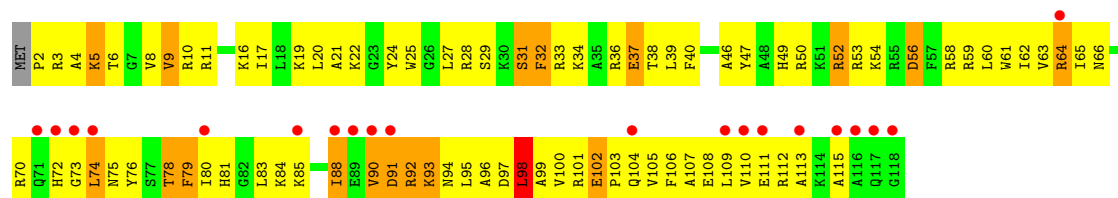
• Molecule 15: 50S RIBOSOMAL PROTEIN L19



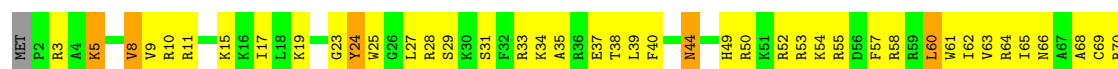
• Molecule 15: 50S RIBOSOMAL PROTEIN L19

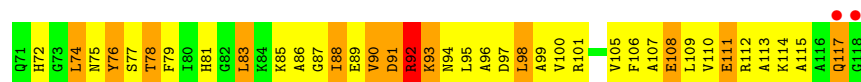


• Molecule 16: 50S RIBOSOMAL PROTEIN L20

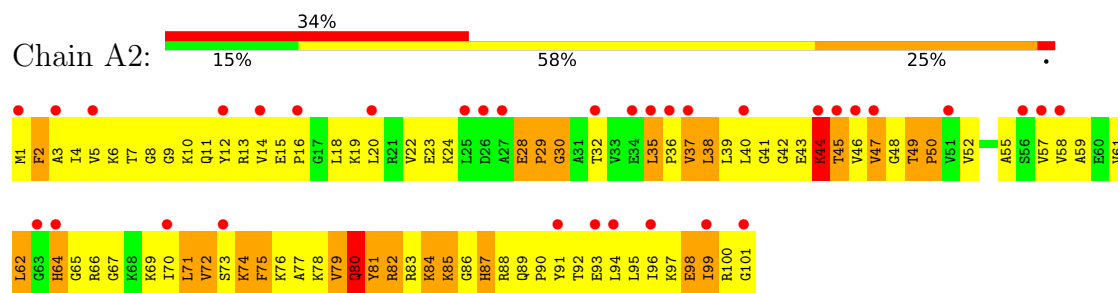


• Molecule 16: 50S RIBOSOMAL PROTEIN L20

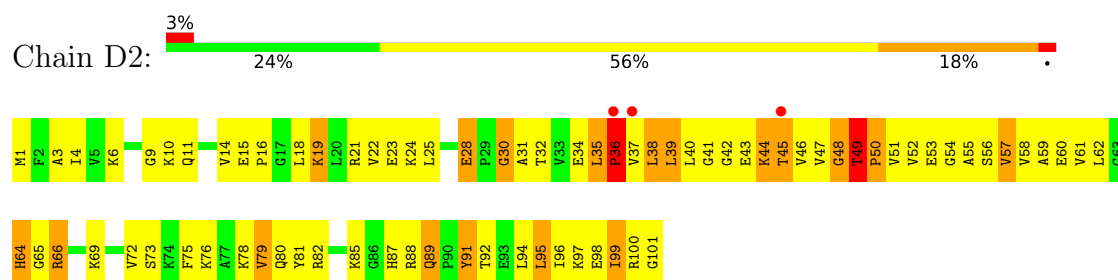




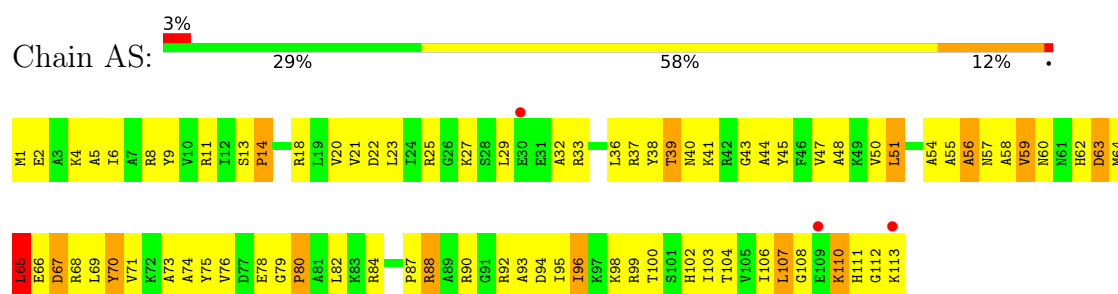
• Molecule 17: 50S RIBOSOMAL PROTEIN L21



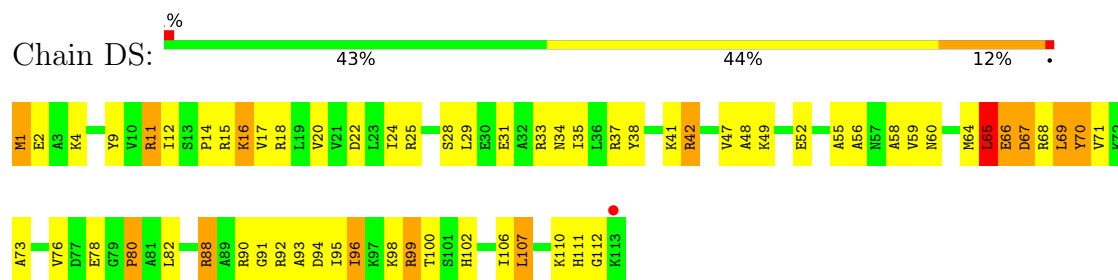
• Molecule 17: 50S RIBOSOMAL PROTEIN L21



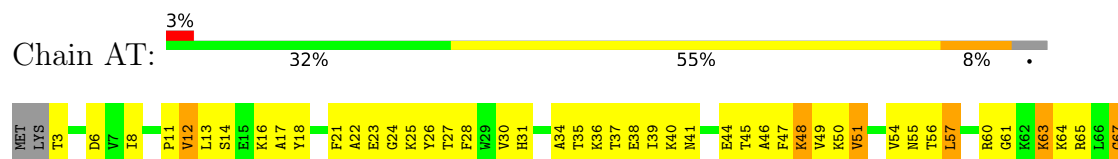
• Molecule 18: 50S RIBOSOMAL PROTEIN L22

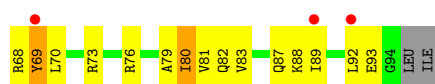


• Molecule 18: 50S RIBOSOMAL PROTEIN L22



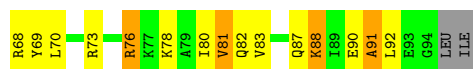
• Molecule 19: 50S RIBOSOMAL PROTEIN L23





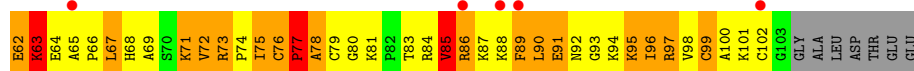
● Molecule 19: 50S RIBOSOMAL PROTEIN L23

Chain DT:



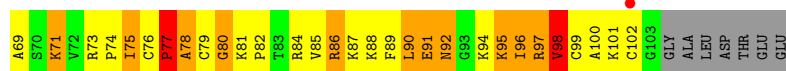
● Molecule 20: 50S RIBOSOMAL PROTEIN L24

Chain AU:



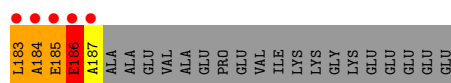
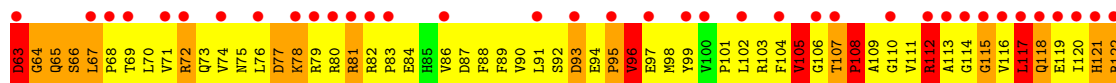
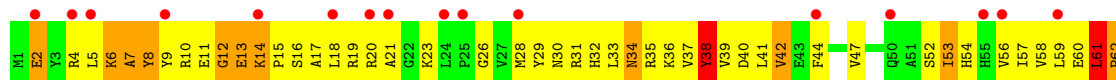
● Molecule 20: 50S RIBOSOMAL PROTEIN L24

Chain DU:

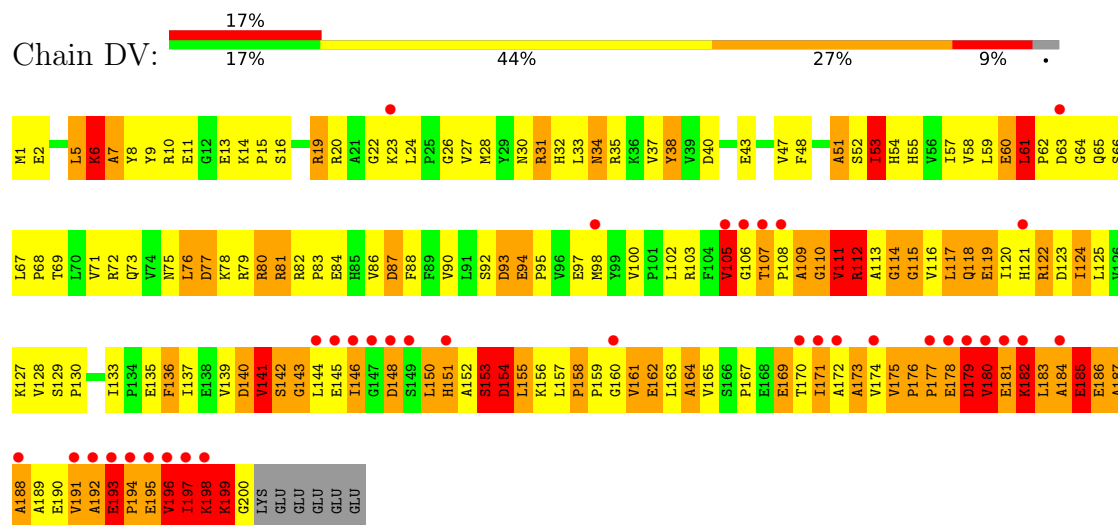


● Molecule 21: 50S RIBOSOMAL PROTEIN L25

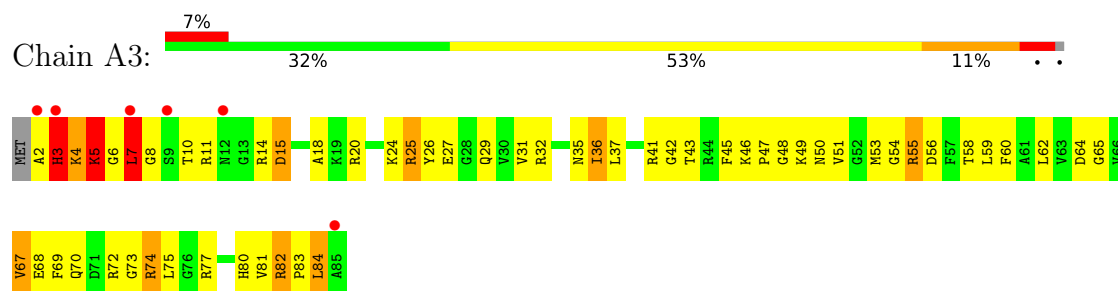
Chain AV:



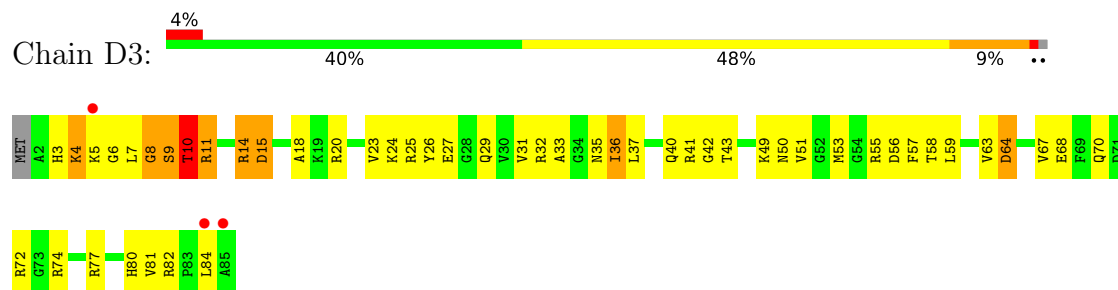
- Molecule 21: 50S RIBOSOMAL PROTEIN L25



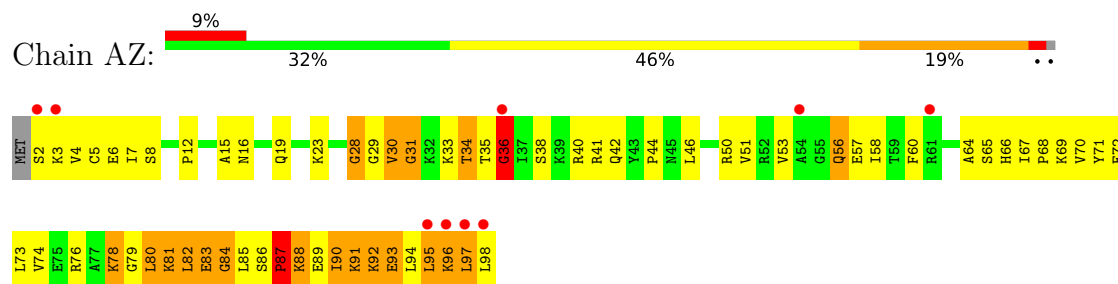
- Molecule 22: 50S RIBOSOMAL PROTEIN L27



- Molecule 22: 50S RIBOSOMAL PROTEIN L27

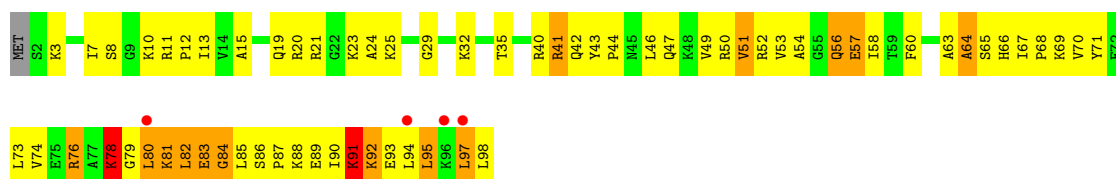


- Molecule 23: 50S RIBOSOMAL PROTEIN L28

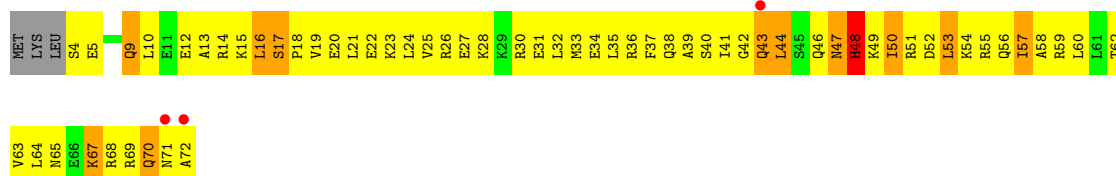


- Molecule 23: 50S RIBOSOMAL PROTEIN L28

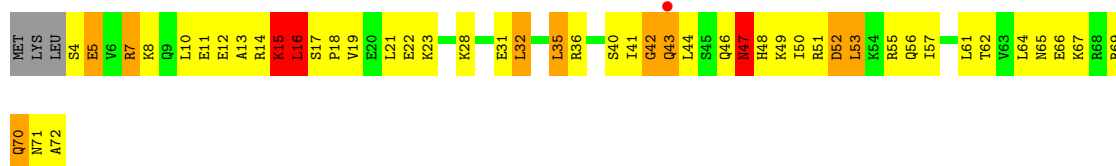




• Molecule 24: 50S RIBOSOMAL PROTEIN L29



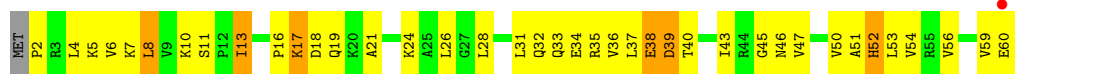
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



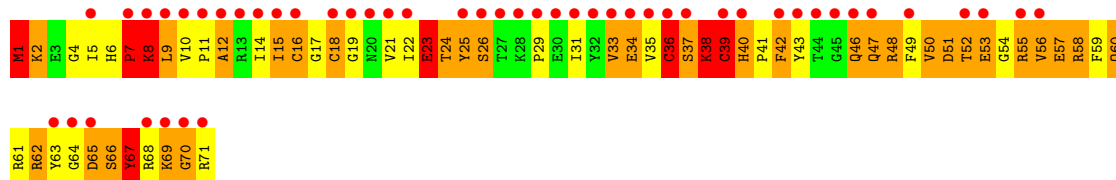
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



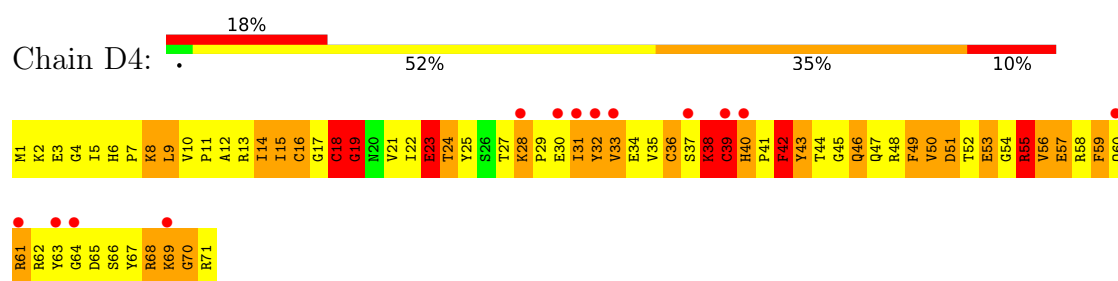
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



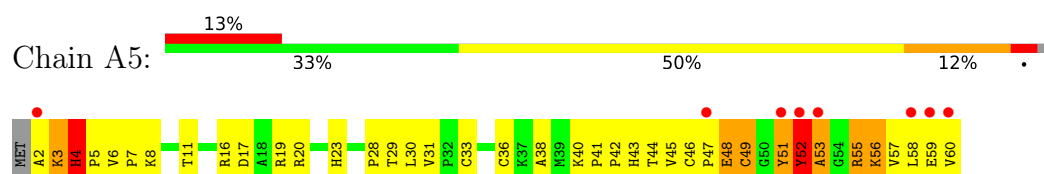
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



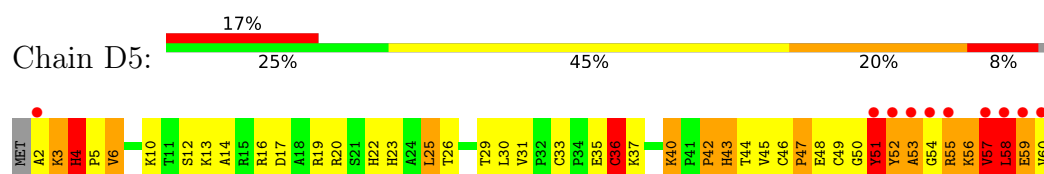
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



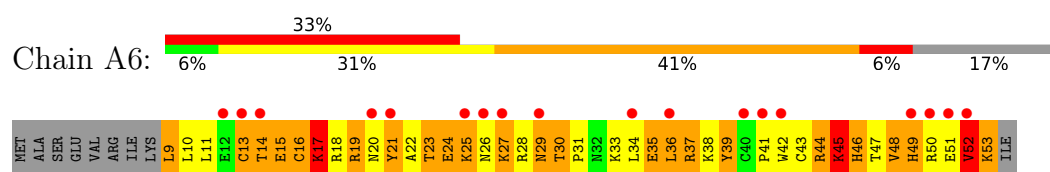
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



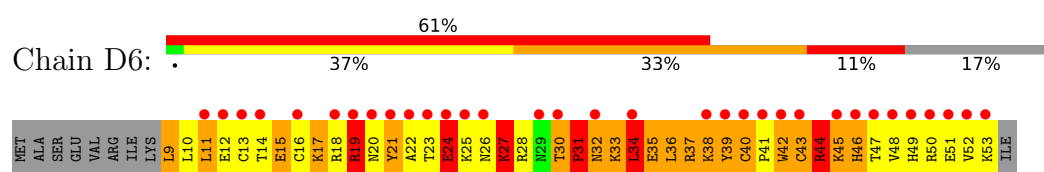
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



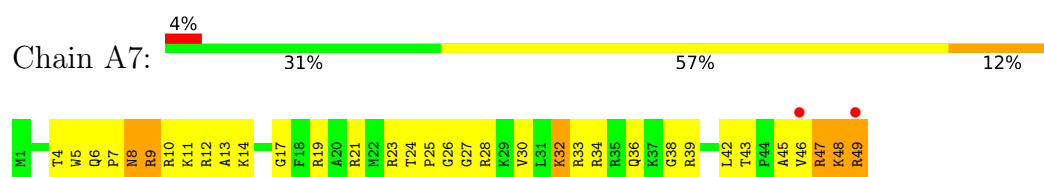
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



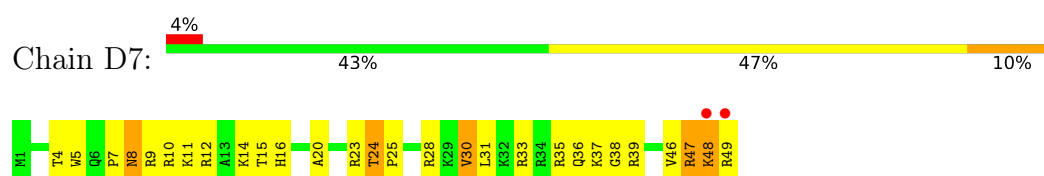
• Molecule 28: 50S RIBOSOMAL PROTEIN L33



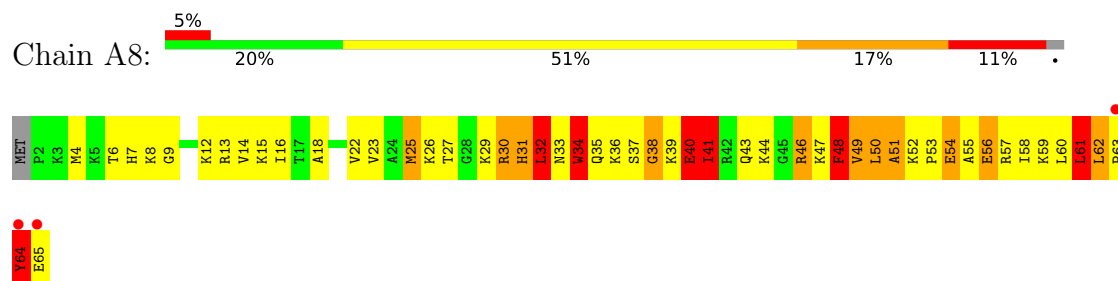
• Molecule 29: 50S RIBOSOMAL PROTEIN L34



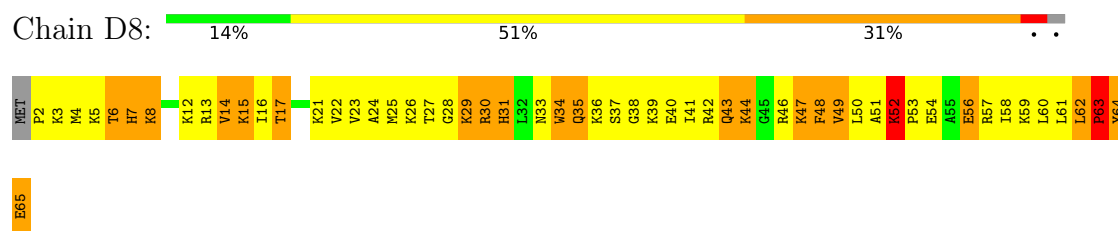
• Molecule 29: 50S RIBOSOMAL PROTEIN L34



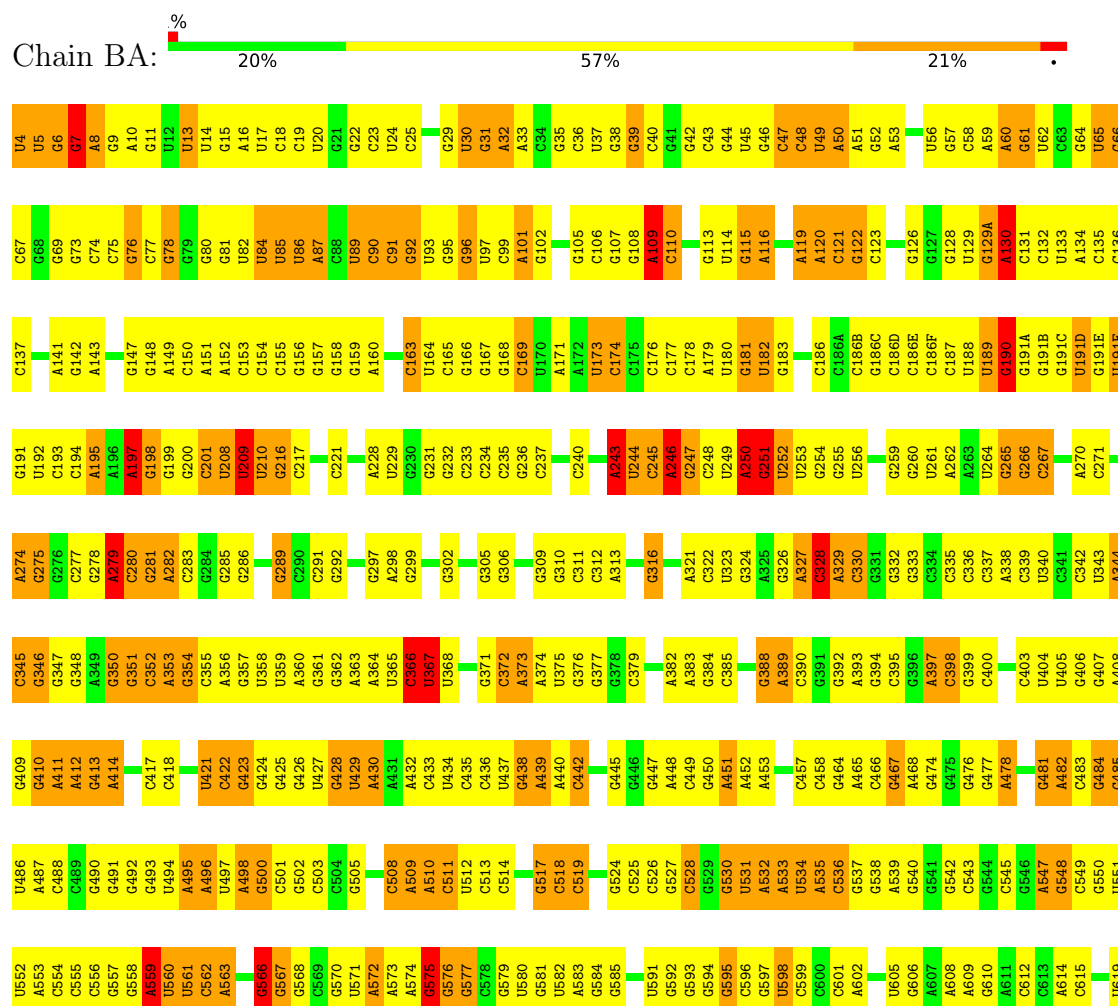
● Molecule 30: 50S RIBOSOMAL PROTEIN L35



● Molecule 30: 50S RIBOSOMAL PROTEIN L35

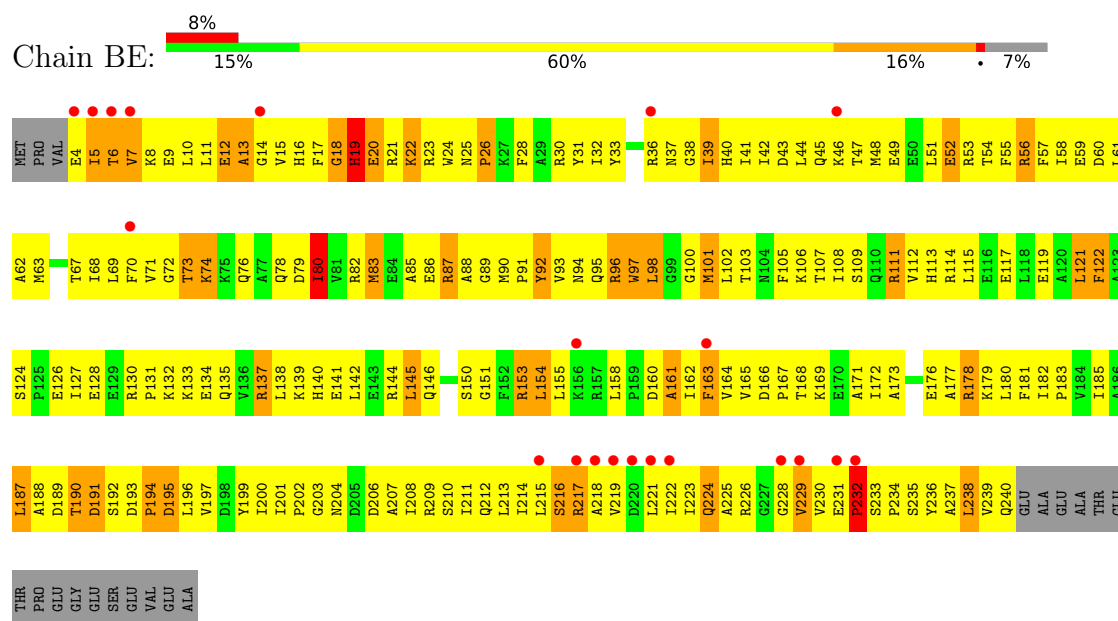


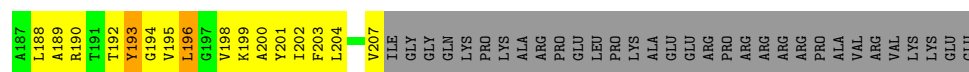
● Molecule 31: 16S ribosomal RNA



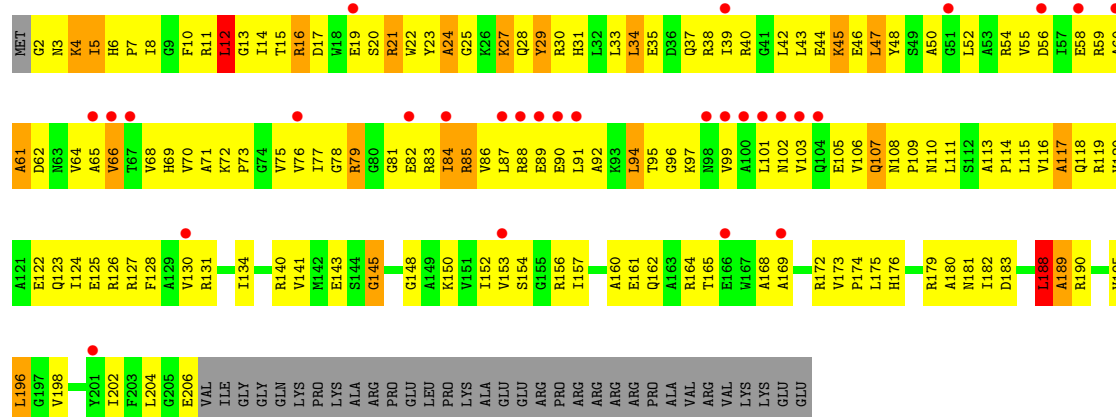
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G1525	G1456	C1389	C1328		C1203	G1139	G1077		U955	A889	A819	C748	A688	A622
G1526	G1460	A1329	A1329	C1267	A1204	C1140	U1078	U1020	U956	G890	U820	C749	C689	C623
C1527	G1461	U1330	U1330	A1268	U1205	C1141	G1079	G1021	U957	U891	G821	G750	G690	C624
U1528	G1462	G1392	G1331	A1269	G1206	G1142	A1080	G1022	A958	C892	C822	U751	G691	G625
G1529	C1463	U1393	A1332	C1270	G1207	G1143	G1081	G1023	A959	C893	G823	G752	U692	U626
G1530	C1464	A1394	A1333	G1271	C1208	C1144	G1082	G1024	U960	C894	C824	A753	G693	G627
C1531	G1465	C1395	G1334	G1272	C1209	C1145	U1083	U1025	U961	G895		C754	A694	G628
U1532	A1396	C1396	C1335	G1273	C1210	A1146	G1084	G1026	G962		U827	C755	A695	G629
C1533	G1466	C1397	C1336	G1274	U1211	C1147	U1085	C1027	G963	C899	A828	C756	A696	G630
A1534	A1468	G1337	G1337	A1275	U1212	U1148	U1086	C1028	A964	A900	G829	U757	U697	G631
C1535	A1469	G1338	G1338	G1276	A1213	C1149		C1028A	A965	A901	G830	G758	G698	A632
C1536	G1470	A1339	A1339	C1277	C1214	U1150	U1090	C1028B	G966	G902	U831	A759	C699	G633
U1537	G1471	A1340	A1340	U1278	G1215	U1151	U1091	G1029	C967	G903		G760	C701	G634
U1538	A1402	U1341	U1341	A1279	G1216	A1152	A1092	C1030	A968	U905	U835	G765	A702	G635
C1539	G1472	C1342	C1342	U1280	C1217	C1153	A1093	G1031	A969	G906	U836	A766	G703	
U1540	A1473	G1343	G1343	U1281	C1218	G1154	G1094	A1032	G970	A907	A767	A766	A704	G639
U1541	G1476	C1344	C1344	C1282	U1219	G1155	U1095	G1032A	G971	A909		A767	A705	A640
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	C1478	A1346	A1346	C1284	G1221	A1157	C1097	G1033	A974	A913	U842	A769	A706	
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		G1348	G1348	A1286	C1223	U1159	G1099	A1035	G976	A915	U844	A777	C708	
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		U1351	U1351	A1289	C1226	C1162	A1102	C1038	A979	G916	U851	A780	G712	
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		G1355	G1355	C1293	C1230	A1169	G1106	C1043	U982	U921	G855	G785	A715	
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		C1359	C1359	C1297	C1234	G1173	A1110	G1048	A986	G925	A859	U789	C719	
		A1360	A1360	C1298	U1235	G1174	A1111	U1049	A987	G926	U860	A790	C720	
		G1361	G1361	A1299	A1236	G1175	C1112	G1050	G988	G927	C861	G791	G721	
		C1362	C1362	G1300	C1237	A1176	C1113	C1051	C989		C862	A792	A722	
		G1362A	G1362A	U1301	A1238	G1177	C1114	U1052	C990	C930		U793	U723	
		A1363	A1363	U1302	A1239	G1178	C1115	G1053	U991	C931	A865	A794	G724	
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		G1370	G1370	G1309	C1246		U1122	C1060	C998A	A938	A872	U801	G731	
		C1371	C1371	U1247	U1247	G1187	A1123	C1061	U999	G939	A873	A802	C732	
		U1372	U1372	A1248	A1248	C1188	G1124	U1062	G803	C940	C874	G803	A733	
		G1373	G1373	C1249	C1249	C1189	U1125	C1063	G1001	G941	C875	U804	G734	
		A1374	A1374	A1250	A1250	G1190	G1126	G1064	G1002	G942	C876	C805	C735	
		U1375	U1375	A1251	A1251	A1191	G1127	U1065	G1003	U943	C877	C806	C736	
		G1376	G1376	C1317	C1252	C1192	C1128	C1066	A1004	G944		A907	C737	
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		G1378	G1378	A1319	C1254	U1194	A1130	G1068	C890	C946	C879	C808	C738	
		C1379	C1379	C1320	C1255	G1195	G1131	C1069	A946	A946	C880		C739	
		U1380	U1380	G1256	G1256	C1196	C1132	U1070	C1007	G947	G881	U740	U678	
		A1381	A1381	U1257	U1257	U1196	G1132	C1071	C882	C948	C882	G741	G679	
		C1382	C1382	G1322	C1322	G1197	G1133	C1072	G1009	A949	C883	U813	G742	
		U1383	U1383	A1324	C1324	U1198	G1134	U1073	U950	G950	U884	A814	U743	
		C1383	C1383	C1325	C1260	U1199	U1135	U1074	G885	U952	A815	A816	C745	
		G1435	G1435		A1261	C1200	U1136		A1014		G886			
		U1436	U1436											
		C1437	C1437											
		G1438	G1438											
		C1439	C1439											
		G1442	G1442											
		U1443	U1443											
		A1446	A1446											
		G1447	G1447											
		C1448	C1448											
		U1449	U1449											
		A1450	A1450											
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		U1520	U1520											
		G1453	G1453											

- Molecule 32: 30S ribosomal protein S2

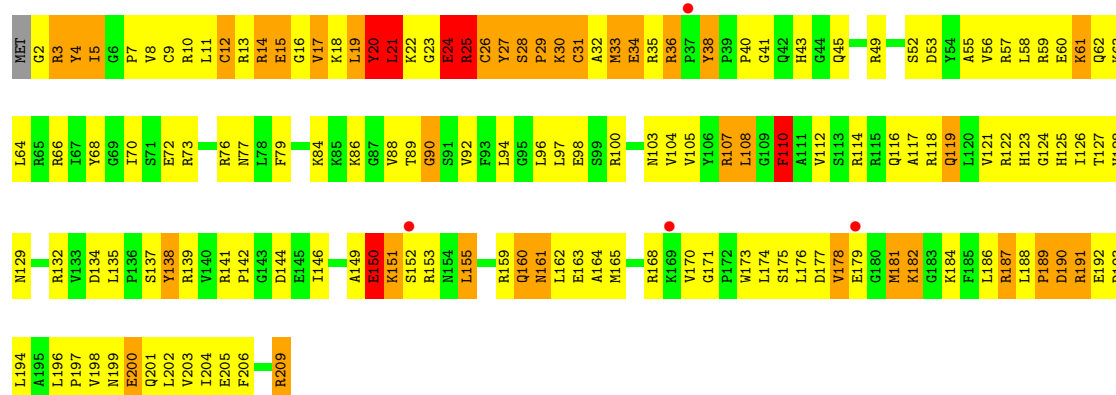




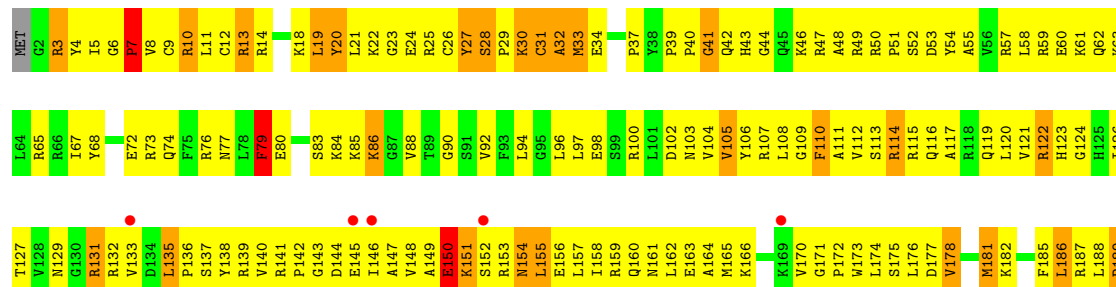
• Molecule 33: 30S ribosomal protein S3

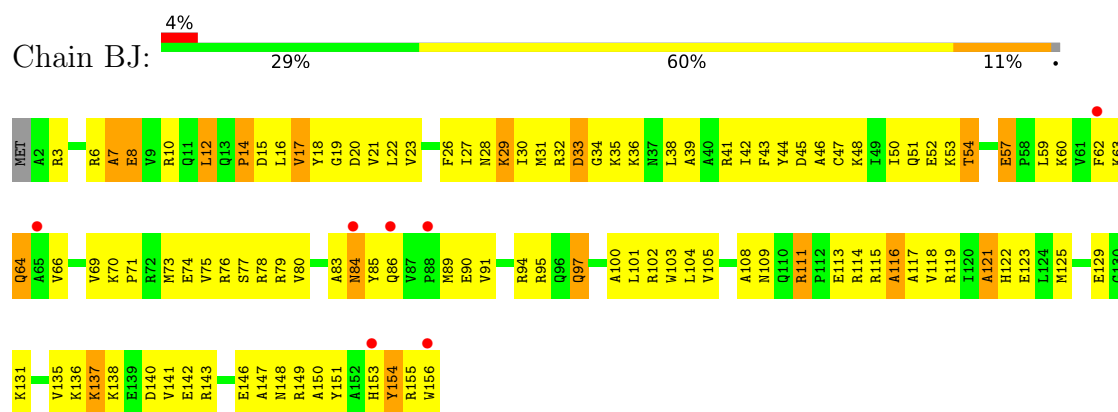


• Molecule 34: 30S ribosomal protein S4

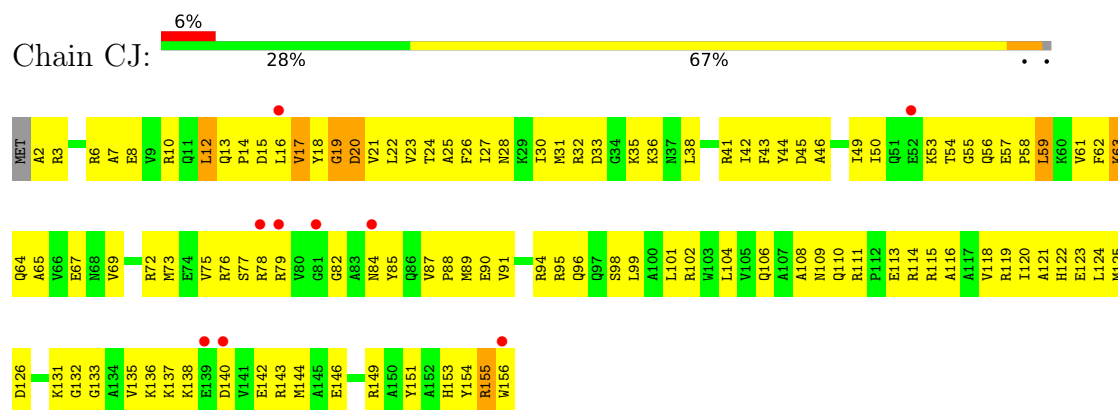


• Molecule 34: 30S ribosomal protein S4

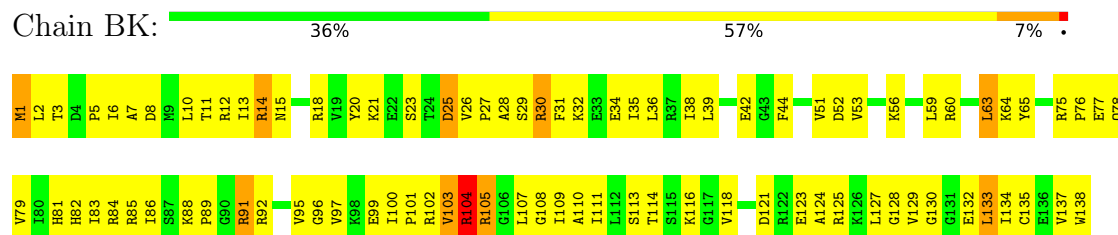




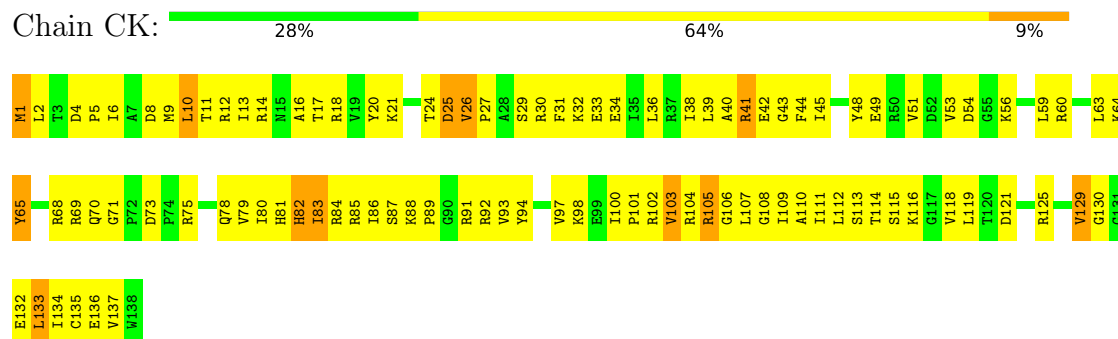
- Molecule 37: 30S ribosomal protein S7



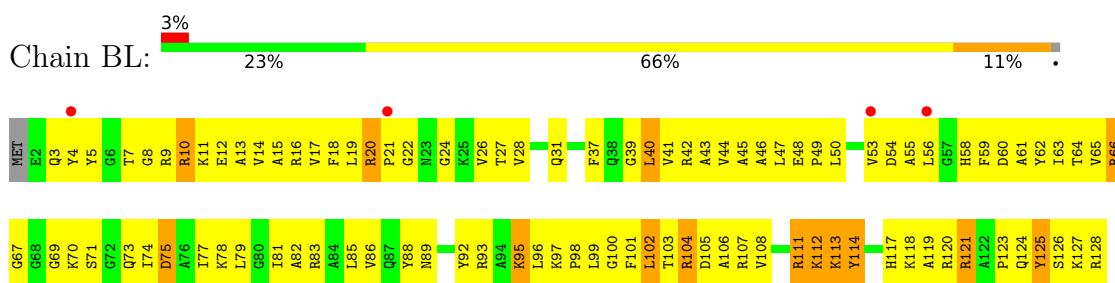
- Molecule 38: 30S ribosomal protein S8



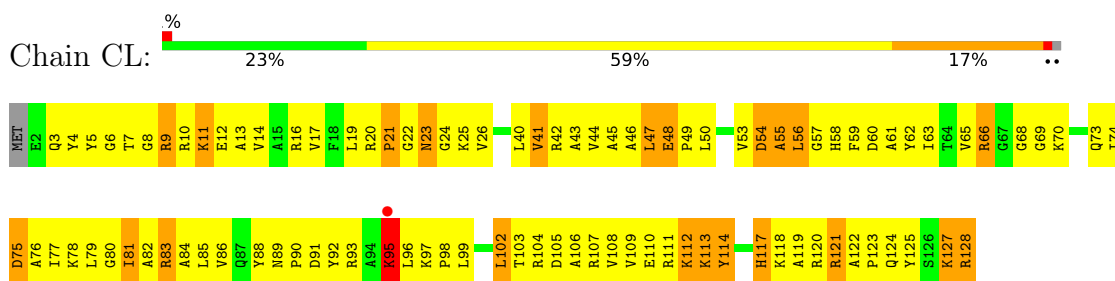
- Molecule 38: 30S ribosomal protein S8



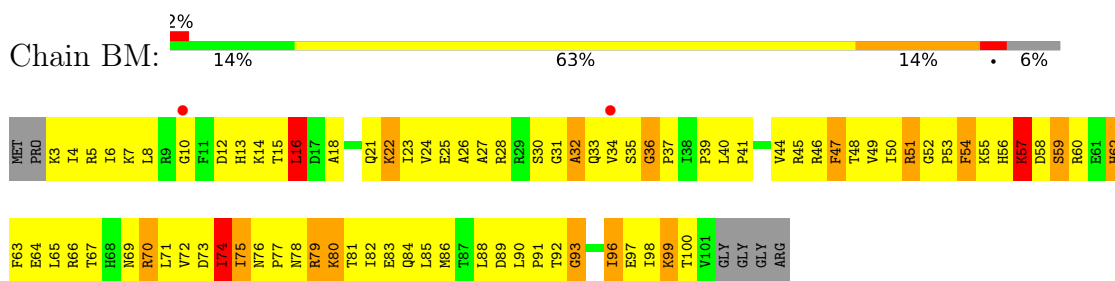
- Molecule 39: 30S ribosomal protein S9



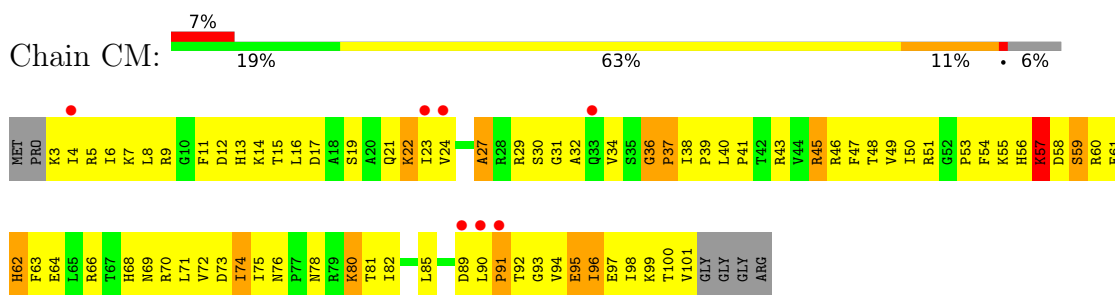
• Molecule 39: 30S ribosomal protein S9



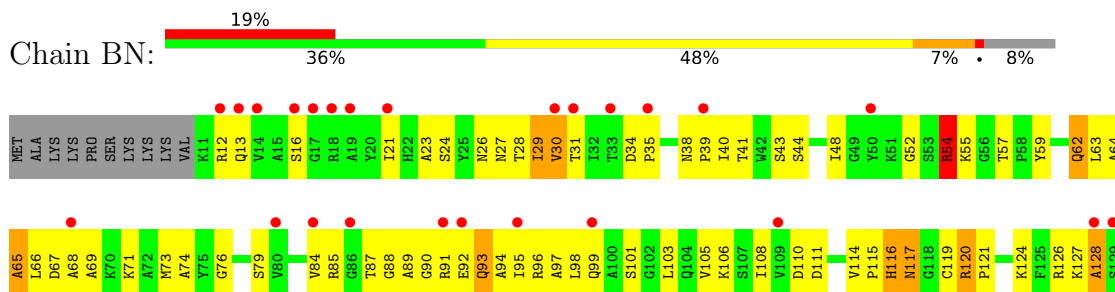
• Molecule 40: 30S ribosomal protein S10



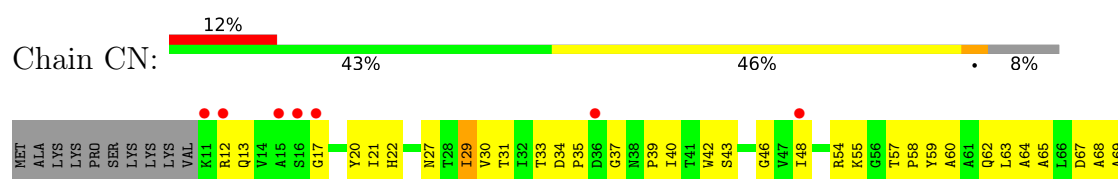
• Molecule 40: 30S ribosomal protein S10



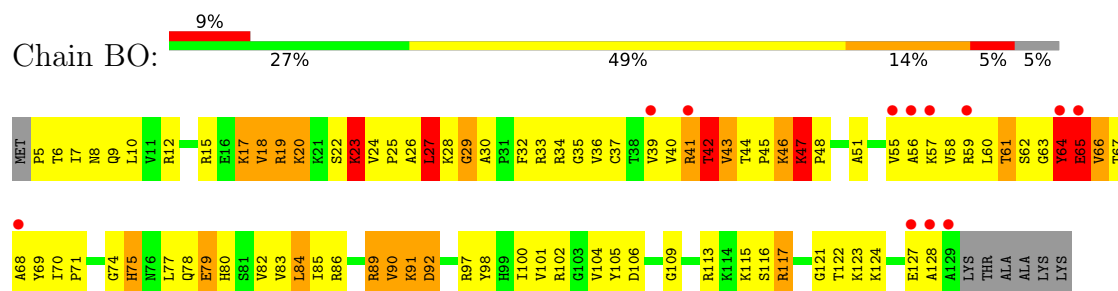
• Molecule 41: 30S ribosomal protein S11



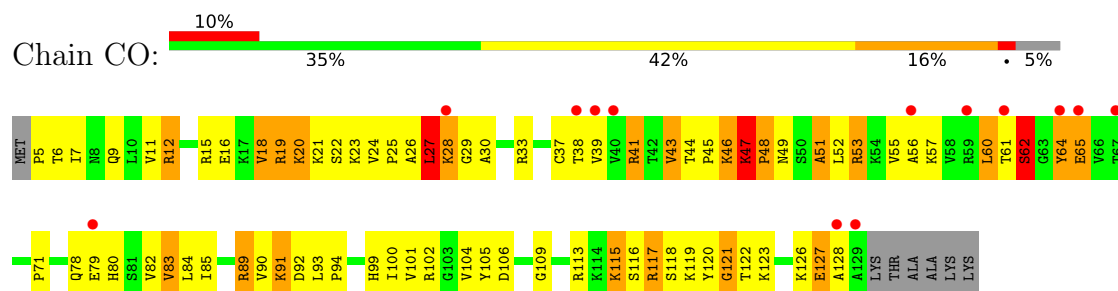
• Molecule 41: 30S ribosomal protein S11



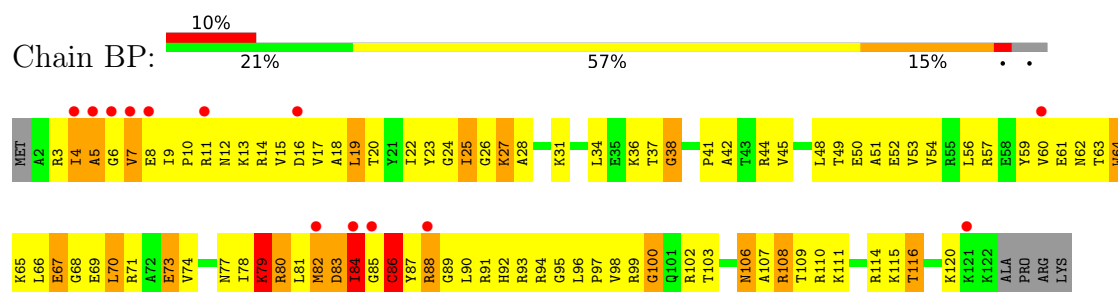
• Molecule 42: 30S ribosomal protein S12



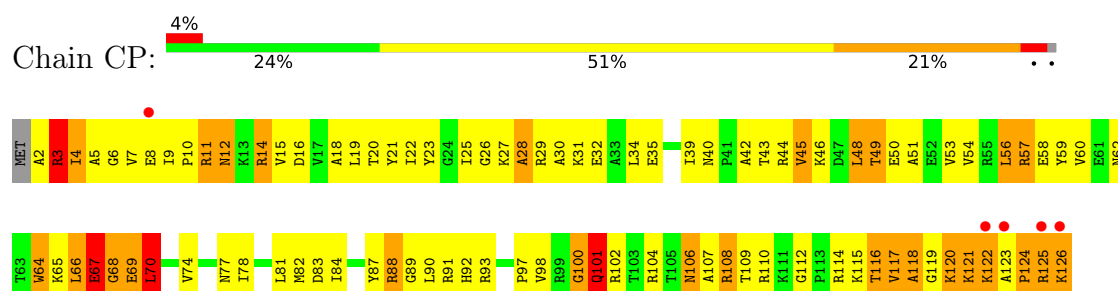
• Molecule 42: 30S ribosomal protein S12



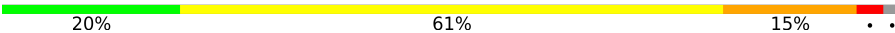
• Molecule 43: 30S ribosomal protein S13

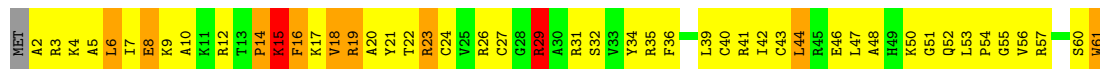


• Molecule 43: 30S ribosomal protein S13



- Molecule 44: 30S ribosomal protein S14 type Z

Chain BQ:  20% 61% 15% ..



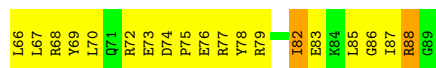
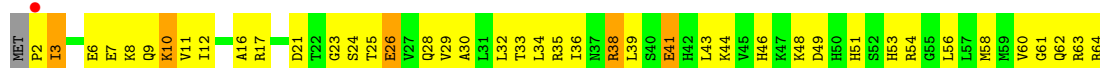
- Molecule 44: 30S ribosomal protein S14 type Z

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




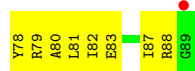
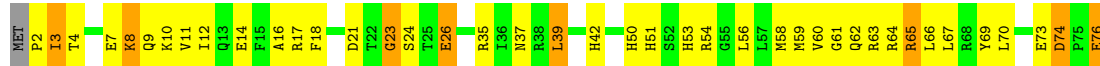
- Molecule 45: 30S ribosomal protein S15

Chain BR:  % 29% 62% 8% .



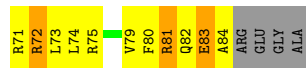
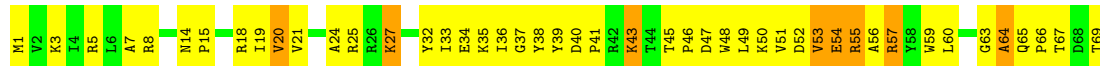
- Molecule 45: 30S ribosomal protein S15

Chain CR:  % 43% 46% 9% ..




- Molecule 46: 30S ribosomal protein S16

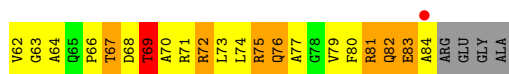
Chain BS:  30% 53% 13% 5%



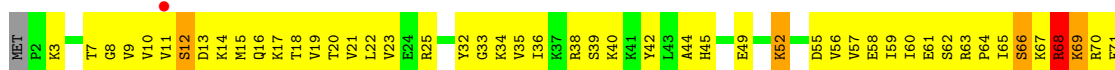
- Molecule 46: 30S ribosomal protein S16

Chain CS:  % 10% 68% 15% 5%

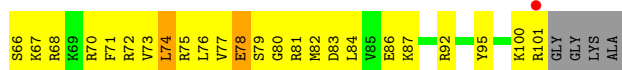




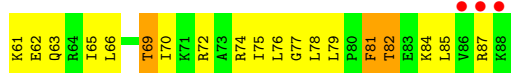
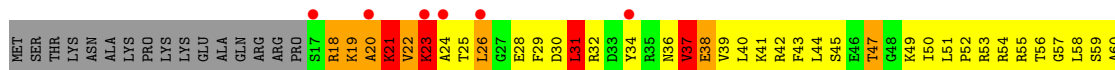
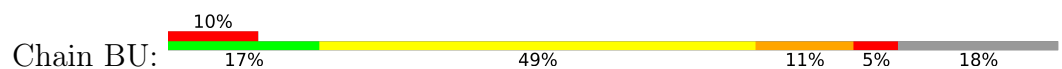
• Molecule 47: 30S ribosomal protein S17



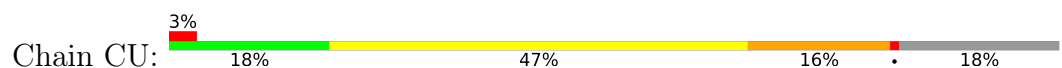
• Molecule 47: 30S ribosomal protein S17



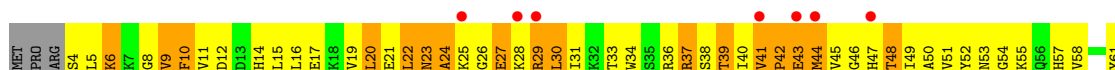
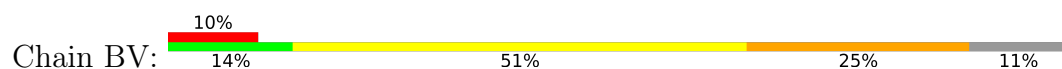
• Molecule 48: 30S ribosomal protein S18



• Molecule 48: 30S ribosomal protein S18

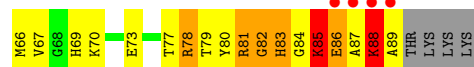
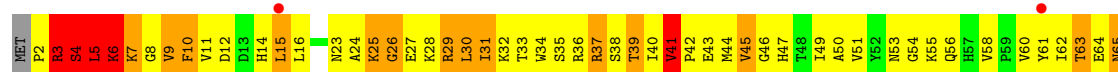
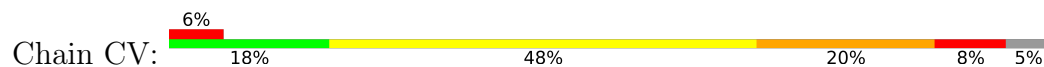


• Molecule 49: 30S ribosomal protein S19

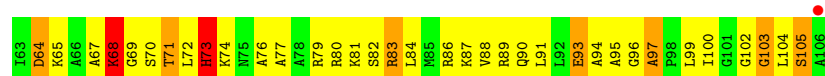




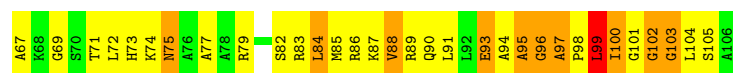
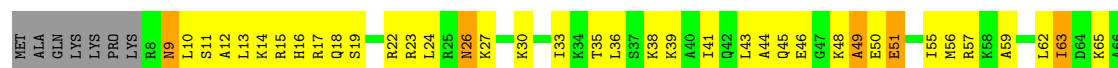
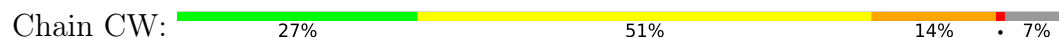
- Molecule 49: 30S ribosomal protein S19



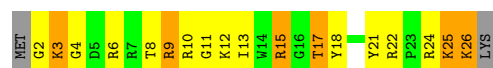
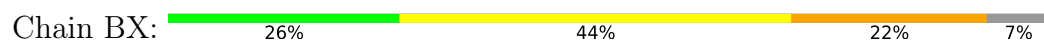
- Molecule 50: 30S ribosomal protein S20



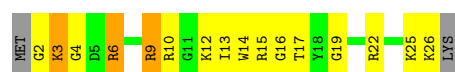
- Molecule 50: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein Thx



- Molecule 51: 30S ribosomal protein Thx

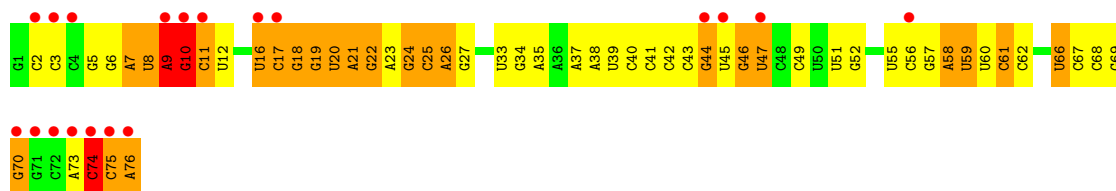


- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

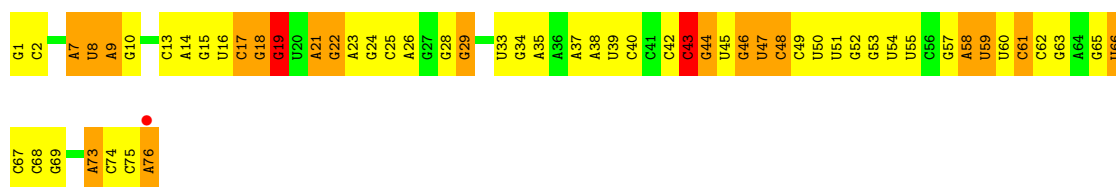




- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37



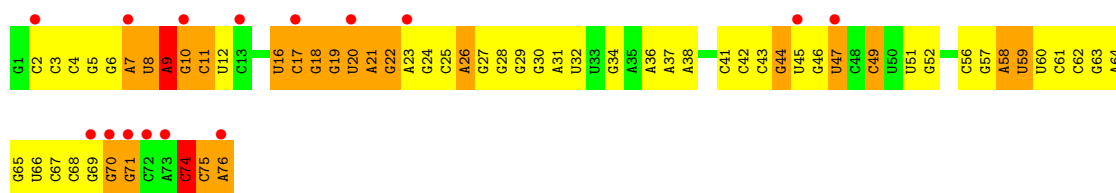
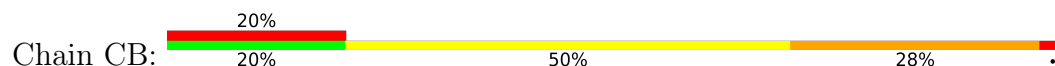
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37



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

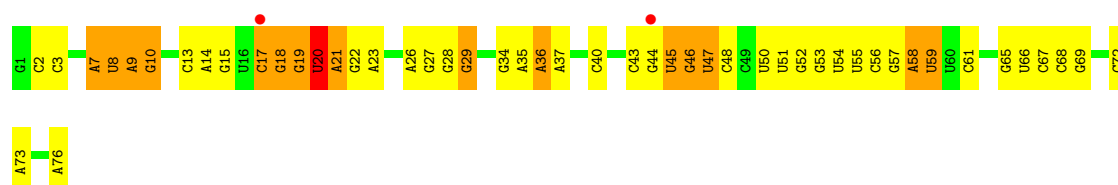


- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37



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





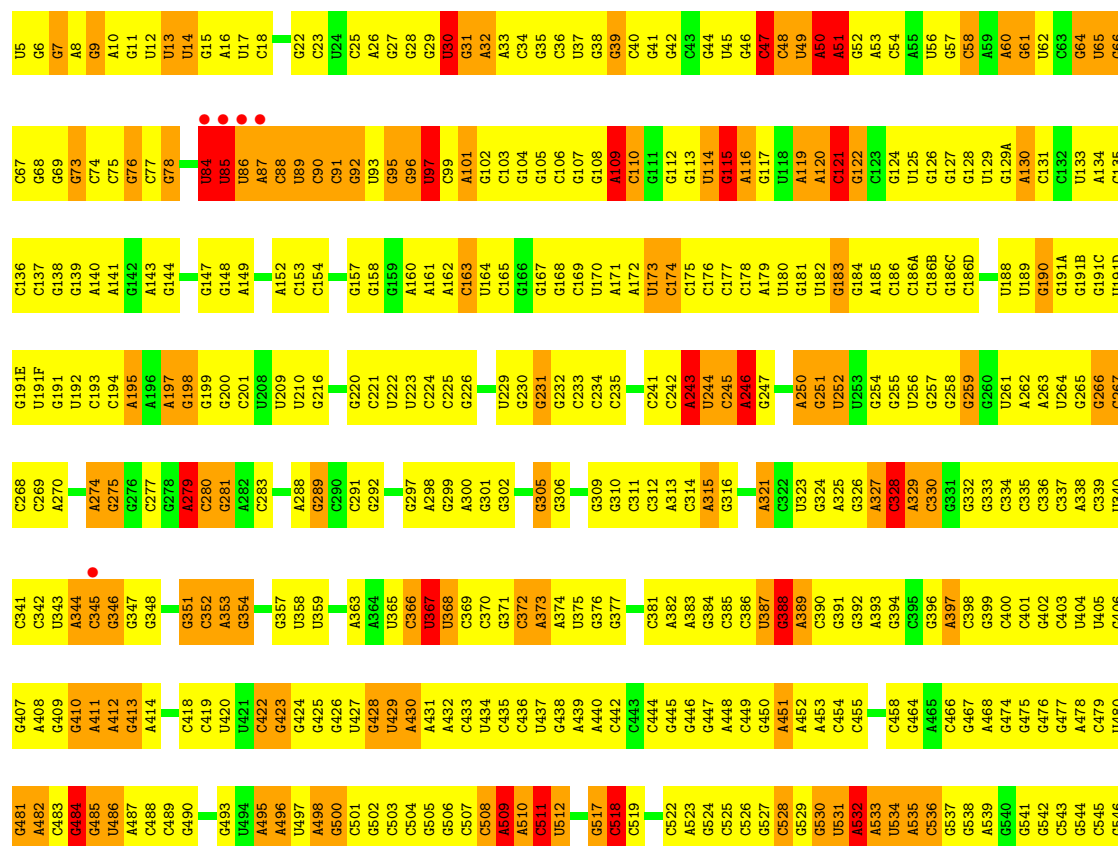
• Molecule 53: MRNA

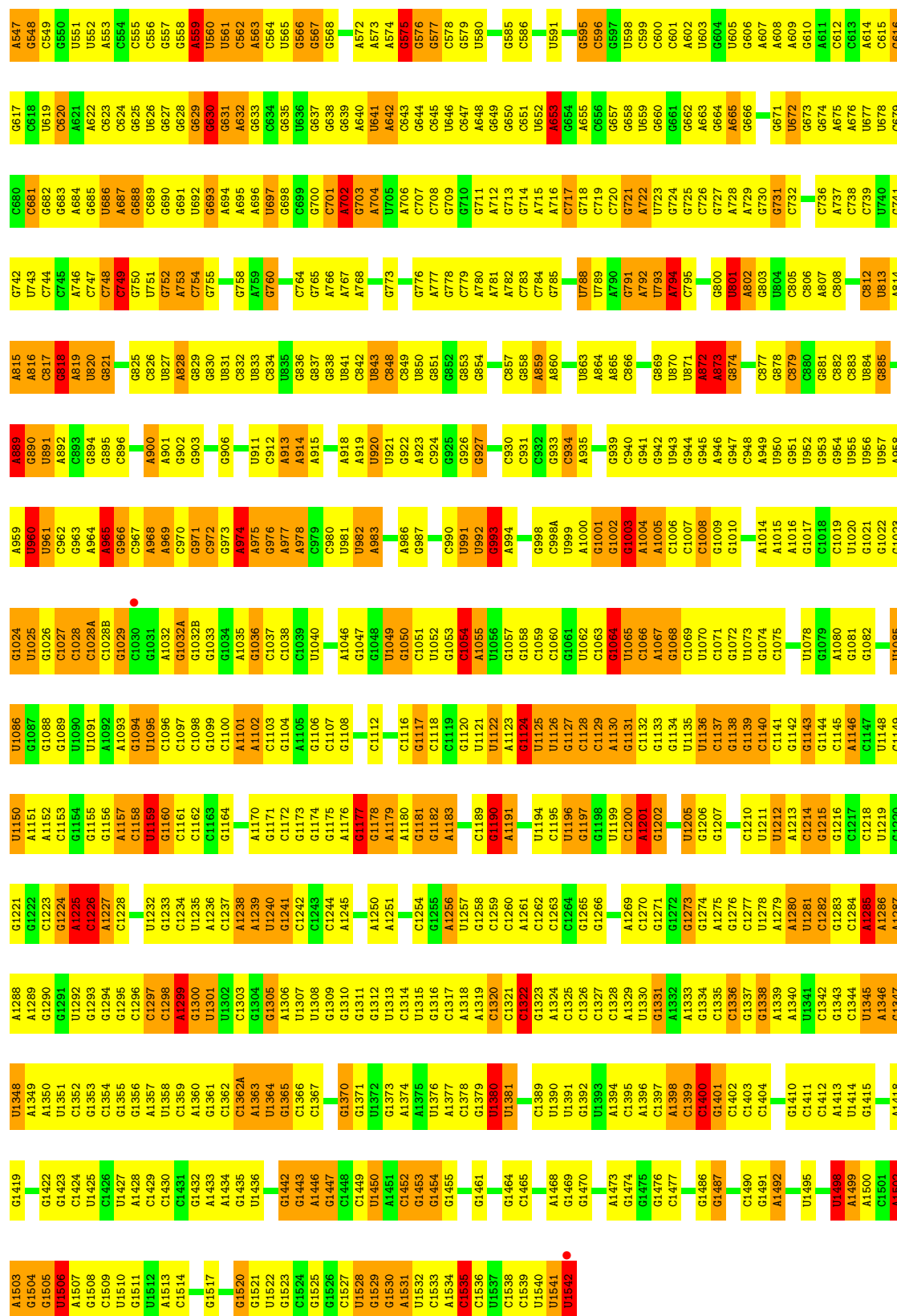


• Molecule 53: MRNA



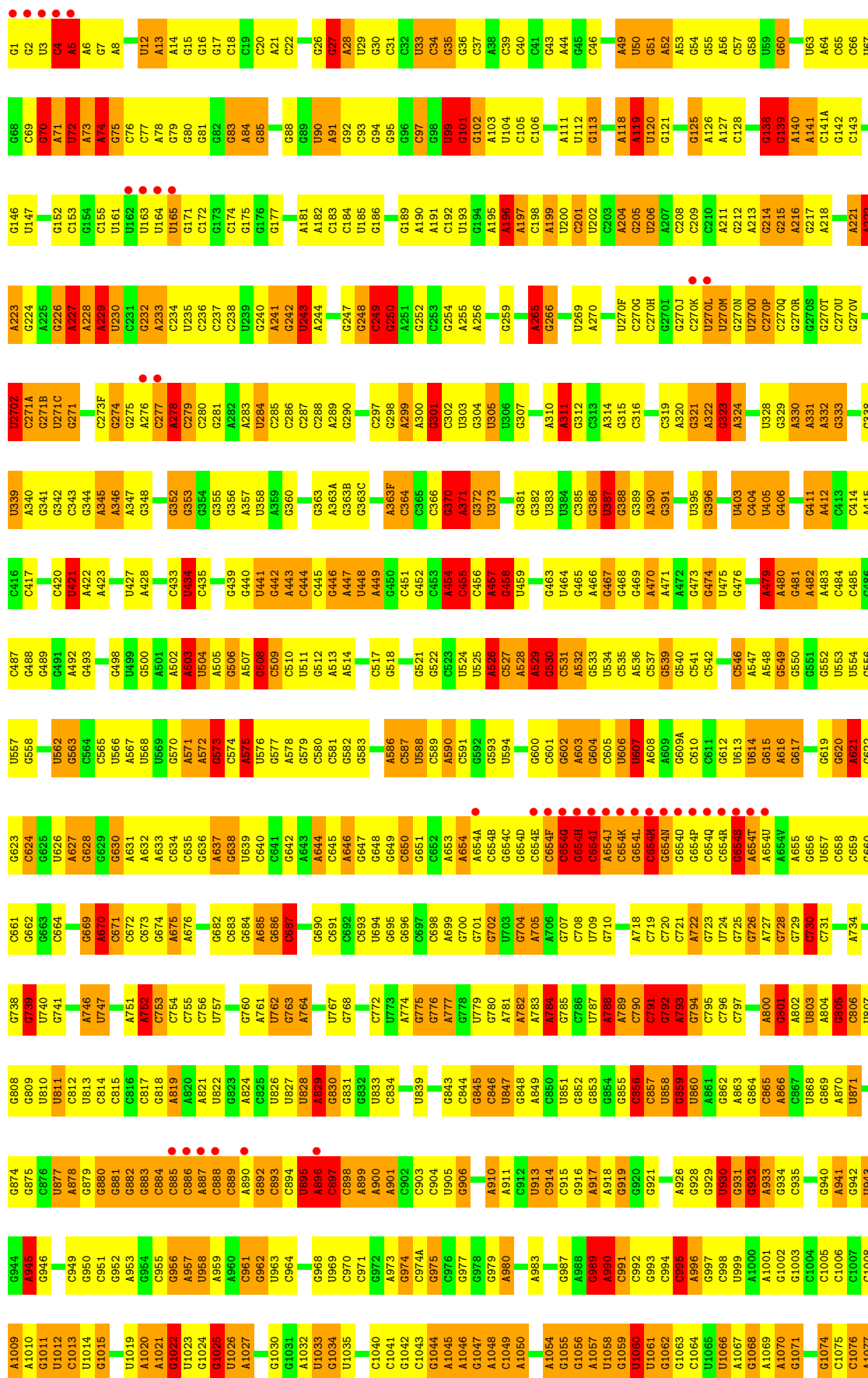
• Molecule 54: 16S ribosomal RNA



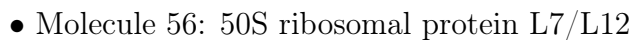


- Molecule 55: 23S rRNA









4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.46Å 446.20Å 623.05Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	300.00 – 3.10 223.10 – 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 3.01Å)	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	5
3	DD	270/276 (98%)	193 (72%)	61 (23%)	16 (6%)	2	11
4	AE	203/206 (98%)	105 (52%)	48 (24%)	50 (25%)	0	0
4	DE	203/206 (98%)	120 (59%)	36 (18%)	47 (23%)	0	0
5	AF	206/210 (98%)	136 (66%)	41 (20%)	29 (14%)	0	1
5	DF	200/210 (95%)	157 (78%)	29 (14%)	14 (7%)	1	8
6	AG	179/182 (98%)	127 (71%)	36 (20%)	16 (9%)	1	5
6	DG	179/182 (98%)	124 (69%)	30 (17%)	25 (14%)	0	1
7	AH	168/180 (93%)	80 (48%)	51 (30%)	37 (22%)	0	0
7	DH	168/180 (93%)	94 (56%)	43 (26%)	31 (18%)	0	0
8	AK	144/148 (97%)	83 (58%)	34 (24%)	27 (19%)	0	0
8	DK	144/148 (97%)	76 (53%)	41 (28%)	27 (19%)	0	0
9	AM	136/140 (97%)	95 (70%)	25 (18%)	16 (12%)	0	2
9	DM	136/140 (97%)	106 (78%)	16 (12%)	14 (10%)	0	3
10	AN	120/122 (98%)	98 (82%)	17 (14%)	5 (4%)	3	18
10	DN	120/122 (98%)	104 (87%)	12 (10%)	4 (3%)	4	24
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%)	1	4
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	5
15	DR	135/146 (92%)	92 (68%)	27 (20%)	16 (12%)	0	2
16	A1	115/118 (98%)	79 (69%)	27 (24%)	9 (8%)	1	6
16	D1	115/118 (98%)	96 (84%)	11 (10%)	8 (7%)	1	8
17	A2	99/101 (98%)	60 (61%)	17 (17%)	22 (22%)	0	0
17	D2	99/101 (98%)	80 (81%)	9 (9%)	10 (10%)	0	4
18	AS	111/113 (98%)	82 (74%)	21 (19%)	8 (7%)	1	7
18	DS	111/113 (98%)	87 (78%)	20 (18%)	4 (4%)	4	22
19	AT	90/96 (94%)	66 (73%)	17 (19%)	7 (8%)	1	6
19	DT	90/96 (94%)	75 (83%)	13 (14%)	2 (2%)	7	33
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	7
23	AZ	95/98 (97%)	73 (77%)	10 (10%)	12 (13%)	0	1
23	DZ	95/98 (97%)	74 (78%)	13 (14%)	8 (8%)	1	5
24	AW	67/72 (93%)	42 (63%)	17 (25%)	8 (12%)	0	2
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	5
25	DX	57/60 (95%)	49 (86%)	5 (9%)	3 (5%)	2	14
26	A4	69/71 (97%)	26 (38%)	14 (20%)	29 (42%)	0	0
26	D4	69/71 (97%)	35 (51%)	12 (17%)	22 (32%)	0	0
27	A5	57/60 (95%)	40 (70%)	9 (16%)	8 (14%)	0	1

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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%)	3	17
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	6
35	CH	149/162 (92%)	115 (77%)	26 (17%)	8 (5%)	2	13
36	BI	99/101 (98%)	79 (80%)	15 (15%)	5 (5%)	2	14
36	CI	99/101 (98%)	66 (67%)	26 (26%)	7 (7%)	1	7
37	BJ	153/156 (98%)	115 (75%)	26 (17%)	12 (8%)	1	6
37	CJ	153/156 (98%)	120 (78%)	26 (17%)	7 (5%)	2	17
38	BK	136/138 (99%)	104 (76%)	21 (15%)	11 (8%)	1	6
38	CK	136/138 (99%)	101 (74%)	30 (22%)	5 (4%)	4	21
39	BL	125/128 (98%)	89 (71%)	28 (22%)	8 (6%)	1	9
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	7
41	BN	117/129 (91%)	87 (74%)	21 (18%)	9 (8%)	1	6
41	CN	117/129 (91%)	90 (77%)	24 (20%)	3 (3%)	6	29
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	2
44	CQ	58/61 (95%)	37 (64%)	12 (21%)	9 (16%)	0	0
45	BR	86/89 (97%)	67 (78%)	16 (19%)	3 (4%)	4	23
45	CR	86/89 (97%)	66 (77%)	14 (16%)	6 (7%)	1	8
46	BS	82/88 (93%)	57 (70%)	19 (23%)	6 (7%)	1	7
46	CS	82/88 (93%)	54 (66%)	22 (27%)	6 (7%)	1	7
47	BT	98/105 (93%)	78 (80%)	11 (11%)	9 (9%)	1	4
47	CT	98/105 (93%)	75 (76%)	17 (17%)	6 (6%)	1	10
48	BU	70/88 (80%)	45 (64%)	16 (23%)	9 (13%)	0	1
48	CU	70/88 (80%)	51 (73%)	11 (16%)	8 (11%)	0	2
49	BV	81/93 (87%)	47 (58%)	23 (28%)	11 (14%)	0	1
49	CV	86/93 (92%)	56 (65%)	16 (19%)	14 (16%)	0	0
50	BW	97/106 (92%)	55 (57%)	29 (30%)	13 (13%)	0	1
50	CW	97/106 (92%)	65 (67%)	20 (21%)	12 (12%)	0	1
51	BX	23/27 (85%)	16 (70%)	4 (17%)	3 (13%)	0	1
51	CX	23/27 (85%)	18 (78%)	3 (13%)	2 (9%)	1	5
56	DI	28/125 (22%)	6 (21%)	6 (21%)	16 (57%)	0	0
56	DJ	28/125 (22%)	10 (36%)	8 (29%)	10 (36%)	0	0
57	DY	143/173 (83%)	30 (21%)	36 (25%)	77 (54%)	0	0
58	DL	143/147 (97%)	46 (32%)	29 (20%)	68 (48%)	0	0
All	All	11776/12624 (93%)	7791 (66%)	2307 (20%)	1678 (14%)	0	1

5 of 1678 Ramachandran outliers are listed below:

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

5.3.2 Protein sidechains ⓘ

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

resolution.

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	AD	214/218 (98%)	182 (85%)	32 (15%)	3	14
3	DD	214/218 (98%)	181 (85%)	33 (15%)	3	13
4	AE	165/166 (99%)	146 (88%)	19 (12%)	6	25
4	DE	165/166 (99%)	128 (78%)	37 (22%)	1	4
5	AF	165/166 (99%)	151 (92%)	14 (8%)	12	41
5	DF	161/166 (97%)	136 (84%)	25 (16%)	3	13
6	AG	155/156 (99%)	138 (89%)	17 (11%)	7	27
6	DG	155/156 (99%)	134 (86%)	21 (14%)	4	18
7	AH	142/148 (96%)	130 (92%)	12 (8%)	12	41
7	DH	142/148 (96%)	117 (82%)	25 (18%)	2	9
8	AK	122/124 (98%)	105 (86%)	17 (14%)	4	17
8	DK	122/124 (98%)	92 (75%)	30 (25%)	0	2
9	AM	117/119 (98%)	100 (86%)	17 (14%)	3	15
9	DM	117/119 (98%)	102 (87%)	15 (13%)	5	20
10	AN	100/100 (100%)	83 (83%)	17 (17%)	2	10
10	DN	100/100 (100%)	84 (84%)	16 (16%)	2	11
11	AO	116/116 (100%)	91 (78%)	25 (22%)	1	5
11	DO	116/116 (100%)	84 (72%)	32 (28%)	0	1
12	AP	111/111 (100%)	91 (82%)	20 (18%)	2	8
12	DP	111/111 (100%)	97 (87%)	14 (13%)	5	20
13	A0	100/101 (99%)	88 (88%)	12 (12%)	5	22
13	D0	101/101 (100%)	83 (82%)	18 (18%)	2	9
14	AQ	87/88 (99%)	76 (87%)	11 (13%)	5	20
14	DQ	87/88 (99%)	74 (85%)	13 (15%)	3	14
15	AR	120/127 (94%)	98 (82%)	22 (18%)	2	8
15	DR	120/127 (94%)	96 (80%)	24 (20%)	1	6
16	A1	93/94 (99%)	82 (88%)	11 (12%)	6	23
16	D1	93/94 (99%)	77 (83%)	16 (17%)	2	10
17	A2	82/82 (100%)	72 (88%)	10 (12%)	5	21

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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	19
18	DS	92/92 (100%)	79 (86%)	13 (14%)	4	16
19	AT	74/78 (95%)	67 (90%)	7 (10%)	9	34
19	DT	74/78 (95%)	66 (89%)	8 (11%)	7	28
20	AU	85/91 (93%)	61 (72%)	24 (28%)	0	1
20	DU	85/91 (93%)	66 (78%)	19 (22%)	1	4
21	AV	164/179 (92%)	130 (79%)	34 (21%)	1	5
21	DV	173/179 (97%)	131 (76%)	42 (24%)	1	2
22	A3	66/67 (98%)	59 (89%)	7 (11%)	7	28
22	D3	66/67 (98%)	59 (89%)	7 (11%)	7	28
23	AZ	82/83 (99%)	70 (85%)	12 (15%)	3	15
23	DZ	82/83 (99%)	71 (87%)	11 (13%)	4	18
24	AW	64/67 (96%)	58 (91%)	6 (9%)	9	35
24	DW	64/67 (96%)	53 (83%)	11 (17%)	2	10
25	AX	51/52 (98%)	42 (82%)	9 (18%)	2	9
25	DX	51/52 (98%)	48 (94%)	3 (6%)	21	55
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%)	6	23
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	7
29	D7	42/42 (100%)	38 (90%)	4 (10%)	9	34
30	A8	54/55 (98%)	43 (80%)	11 (20%)	1	6
30	D8	54/55 (98%)	39 (72%)	15 (28%)	0	1
32	BE	205/220 (93%)	187 (91%)	18 (9%)	11	39
32	CE	205/220 (93%)	183 (89%)	22 (11%)	7	28
33	BF	160/188 (85%)	140 (88%)	20 (12%)	5	20
33	CF	159/188 (85%)	146 (92%)	13 (8%)	12	42

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	BG	180/181 (99%)	155 (86%)	25 (14%)	4	17
34	CG	180/181 (99%)	160 (89%)	20 (11%)	7	27
35	BH	116/123 (94%)	103 (89%)	13 (11%)	6	26
35	CH	116/123 (94%)	101 (87%)	15 (13%)	5	20
36	BI	90/90 (100%)	81 (90%)	9 (10%)	8	31
36	CI	90/90 (100%)	85 (94%)	5 (6%)	23	57
37	BJ	126/127 (99%)	114 (90%)	12 (10%)	9	34
37	CJ	126/127 (99%)	118 (94%)	8 (6%)	20	53
38	BK	119/119 (100%)	112 (94%)	7 (6%)	21	55
38	CK	119/119 (100%)	110 (92%)	9 (8%)	14	46
39	BL	98/99 (99%)	86 (88%)	12 (12%)	5	21
39	CL	98/99 (99%)	84 (86%)	14 (14%)	3	15
40	BM	89/92 (97%)	79 (89%)	10 (11%)	6	26
40	CM	89/92 (97%)	80 (90%)	9 (10%)	8	31
41	BN	90/99 (91%)	85 (94%)	5 (6%)	23	57
41	CN	90/99 (91%)	88 (98%)	2 (2%)	55	81
42	BO	104/109 (95%)	91 (88%)	13 (12%)	5	20
42	CO	104/109 (95%)	93 (89%)	11 (11%)	7	28
43	BP	97/101 (96%)	86 (89%)	11 (11%)	6	26
43	CP	100/101 (99%)	82 (82%)	18 (18%)	2	8
44	BQ	49/50 (98%)	42 (86%)	7 (14%)	3	15
44	CQ	49/50 (98%)	43 (88%)	6 (12%)	5	21
45	BR	79/80 (99%)	73 (92%)	6 (8%)	14	46
45	CR	79/80 (99%)	72 (91%)	7 (9%)	11	38
46	BS	72/74 (97%)	66 (92%)	6 (8%)	12	42
46	CS	72/74 (97%)	61 (85%)	11 (15%)	3	13
47	BT	95/97 (98%)	91 (96%)	4 (4%)	32	67
47	CT	95/97 (98%)	89 (94%)	6 (6%)	20	53
48	BU	63/77 (82%)	51 (81%)	12 (19%)	1	7
48	CU	63/77 (82%)	51 (81%)	12 (19%)	1	7
49	BV	72/80 (90%)	59 (82%)	13 (18%)	2	8

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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	15
50	CW	76/82 (93%)	69 (91%)	7 (9%)	10	36
51	BX	20/22 (91%)	17 (85%)	3 (15%)	3	14
51	CX	20/22 (91%)	19 (95%)	1 (5%)	27	61
56	DI	26/90 (29%)	15 (58%)	11 (42%)	0	0
56	DJ	26/90 (29%)	14 (54%)	12 (46%)	0	0
57	DY	117/135 (87%)	47 (40%)	70 (60%)	0	0
58	DL	109/111 (98%)	52 (48%)	57 (52%)	0	0
All	All	9931/10424 (95%)	8408 (85%)	1523 (15%)	3	13

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	22,31,32	1.98	5 (22%)	26,44,47	3.10	6 (23%)
52	MIA	BC	37	52	22,31,32	1.69	2 (9%)	26,44,47	2.82	6 (23%)
52	MIA	BD	37	52	22,31,32	2.09	4 (18%)	26,44,47	3.10	6 (23%)
52	MIA	CB	37	52	22,31,32	1.88	4 (18%)	26,44,47	3.39	6 (23%)
52	MIA	CC	37	52	22,31,32	1.97	4 (18%)	26,44,47	2.81	6 (23%)
52	MIA	CD	37	52	22,31,32	2.04	4 (18%)	26,44,47	2.85	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	BC	37	52	-	2/11/33/34	0/3/3/3
52	MIA	BD	37	52	-	2/11/33/34	0/3/3/3
52	MIA	CB	37	52	-	4/11/33/34	0/3/3/3
52	MIA	CC	37	52	-	0/11/33/34	0/3/3/3
52	MIA	CD	37	52	-	4/11/33/34	0/3/3/3

The worst 5 of 23 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
52	CB	37	MIA	C13-C14	6.35	1.51	1.32
52	CC	37	MIA	C13-C14	6.34	1.51	1.32
52	BD	37	MIA	C13-C14	6.29	1.50	1.32
52	BB	37	MIA	C13-C14	6.28	1.50	1.32
52	CD	37	MIA	C13-C14	6.26	1.50	1.32

The worst 5 of 36 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
52	CB	37	MIA	C12-N6-C6	-12.65	103.74	122.50
52	BB	37	MIA	C11-S10-C2	10.62	110.15	102.29
52	BD	37	MIA	C11-S10-C2	10.36	109.95	102.29
52	CD	37	MIA	C11-S10-C2	10.31	109.92	102.29
52	BC	37	MIA	C12-N6-C6	-9.90	107.82	122.50

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	BC	37	MIA	1	0
52	BD	37	MIA	8	0
52	CB	37	MIA	6	0
52	CC	37	MIA	1	0
52	CD	37	MIA	7	0

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

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

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues

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 50	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 16	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%) 90 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 14	43, 83, 109, 137	0
11	DO	150/150 (100%)	0.04	4 (2%) 54 30	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 42	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 21	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 16	57, 77, 123, 139	0
15	DR	137/146 (93%)	0.28	5 (3%) 42 21	39, 59, 103, 134	0
16	A1	117/118 (99%)	1.06	20 (17%) 1 1	42, 76, 109, 122	0
16	D1	117/118 (99%)	-0.34	2 (1%) 70 48	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 26	18, 60, 77, 83	0
18	AS	113/113 (100%)	0.40	3 (2%) 54 30	39, 57, 84, 106	0
18	DS	113/113 (100%)	-0.35	1 (0%) 84 70	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 13	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 21	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 48	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 1	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 14	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%) 90 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 45	57, 76, 93, 103	0
34	CG	208/209 (99%)	0.20	5 (2%) 59 36	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 43	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 2	50, 70, 102, 120	0
42	BO	125/132 (94%)	0.70	12 (9%) 8 3	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 18	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 26	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%) 4 2	59, 75, 115, 121	0
48	CU	72/88 (81%)	0.45	3 (4%) 36 17	56, 68, 105, 117	0
49	BV	83/93 (89%)	0.50	9 (10%) 6 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 11	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 30	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%) 90 81	27, 72, 153, 200	0
55	DA	2912/2912 (100%)	-0.15	53 (1%) 68 46	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 8	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(Å 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 ⓘ

There are no such residues in this entry.