



wwPDB X-ray Structure Validation Summary Report ⓘ

Sep 15, 2023 – 06:22 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 types of validation reports are described at

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

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

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtrriage (Phenix) : 1.13
EDS : 2.35.1
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.35.1

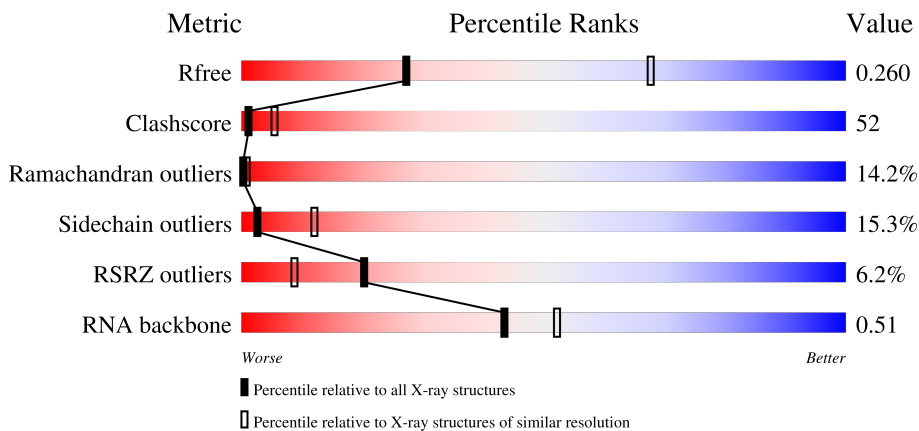
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.10 Å.

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



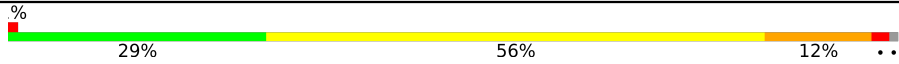
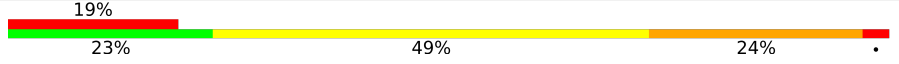
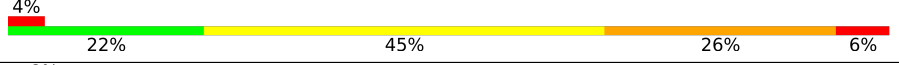
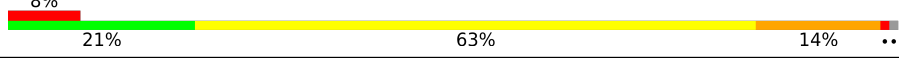
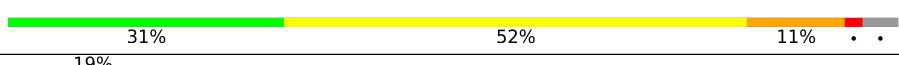
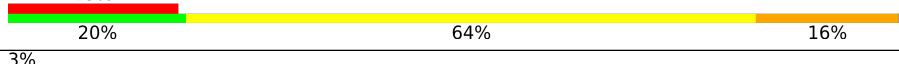
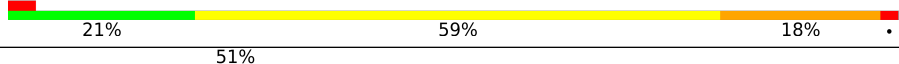
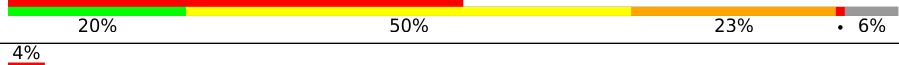
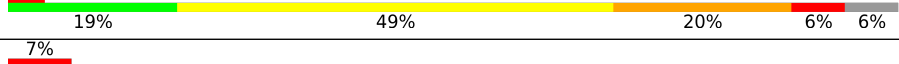
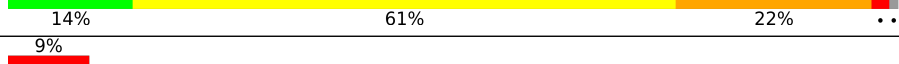
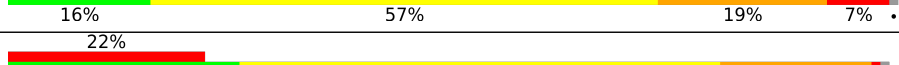
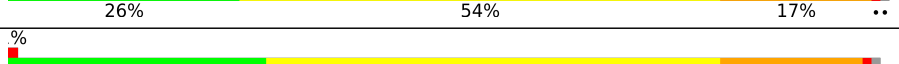
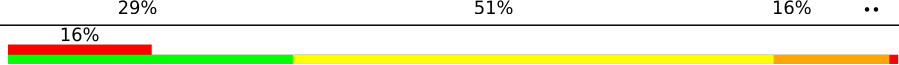
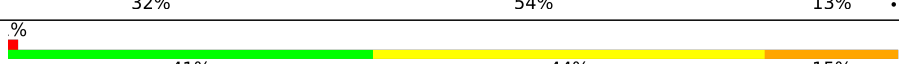
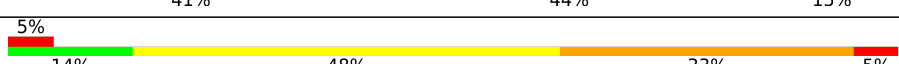
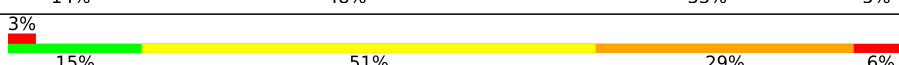
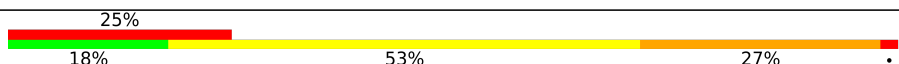
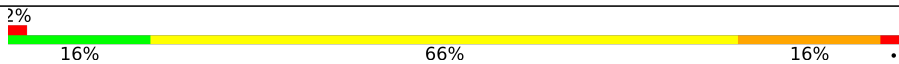
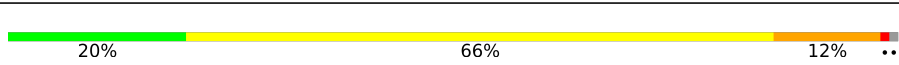
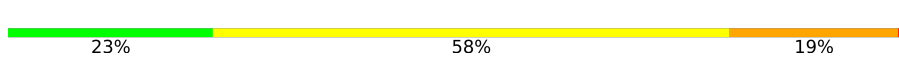
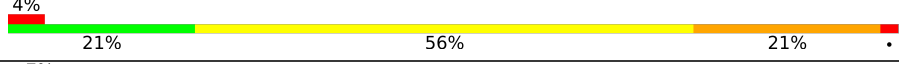
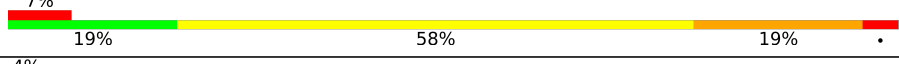
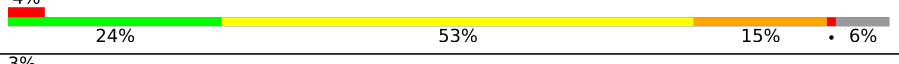
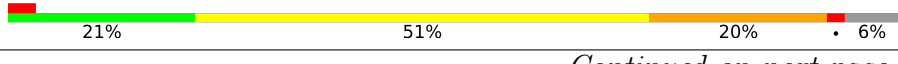

Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1094 (3.10-3.10)
Clashscore	141614	1184 (3.10-3.10)
Ramachandran outliers	138981	1141 (3.10-3.10)
Sidechain outliers	138945	1141 (3.10-3.10)
RSRZ outliers	127900	1067 (3.10-3.10)
RNA backbone	3102	1116 (3.40-2.80)

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

Mol	Chain	Length	Quality of chain
1	AA	2909	<div style="display: flex; align-items: center;"> <div style="width: 3%; height: 10px; background-color: red; margin-right: 5px;"></div> <div style="width: 22%; height: 10px; background-color: green; margin-right: 5px;"></div> <div style="width: 49%; height: 10px; background-color: yellow; margin-right: 5px;"></div> <div style="width: 24%; height: 10px; background-color: orange; margin-right: 5px;"></div> <div style="width: 5%; height: 10px; background-color: red;"></div> </div>
2	AB	122	<div style="display: flex; align-items: center;"> <div style="width: 2%; height: 10px; background-color: red; margin-right: 5px;"></div> <div style="width: 27%; height: 10px; background-color: green; margin-right: 5px;"></div> <div style="width: 48%; height: 10px; background-color: yellow; margin-right: 5px;"></div> <div style="width: 24%; height: 10px; background-color: orange; margin-right: 5px;"></div> <div style="width: 1%; height: 10px; background-color: red;"></div> </div>
2	DB	122	<div style="display: flex; align-items: center;"> <div style="width: 1%; height: 10px; background-color: red; margin-right: 5px;"></div> <div style="width: 34%; height: 10px; background-color: green; margin-right: 5px;"></div> <div style="width: 44%; height: 10px; background-color: yellow; margin-right: 5px;"></div> <div style="width: 20%; height: 10px; background-color: orange; margin-right: 5px;"></div> <div style="width: 1%; height: 10px; background-color: red;"></div> </div>
3	AD	276	<div style="display: flex; align-items: center;"> <div style="width: 1%; height: 10px; background-color: red; margin-right: 5px;"></div> <div style="width: 27%; height: 10px; background-color: green; margin-right: 5px;"></div> <div style="width: 53%; height: 10px; background-color: yellow; margin-right: 5px;"></div> <div style="width: 16%; height: 10px; background-color: orange; margin-right: 5px;"></div> <div style="width: 3%; height: 10px; background-color: grey;"></div> </div>

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
59	MG	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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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
			Total	C	N	O	P			
1	AA	2909	62647	27884	11716	20139	2908	0	0	0

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
			Total	C	N	O	P			
2	AB	122	2617	1166	486	844	121	0	0	0
2	DB	122	2617	1166	486	844	121	0	0	0

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
			Total	C	N	O	S			
3	AD	272	Total 2115	C 1335	N 420	O 357	S 3	0	0	0
3	DD	272	Total 2115	C 1335	N 420	O 357	S 3	0	0	0

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

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

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

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

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

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

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

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

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

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

Continued on next page...

Continued from previous page...

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

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

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

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

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

- Molecule 11 is a protein called 50S RIBOSOMAL PROTEIN L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	AO	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			
11	DO	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			

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

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

- Molecule 13 is a protein called 50S RIBOSOMAL PROTEIN L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	A0	117	Total	C	N	O	S	0	0	0
			960	599	202	159				
13	D0	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 14 is a protein called 50S RIBOSOMAL PROTEIN L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	AQ	111	Total	C	N	O	0	0	0
			882	556	176	150			
14	DQ	111	Total	C	N	O	0	0	0
			882	556	176	150			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Continued on next page...

Continued from previous page...

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	AX	59	Total	C	N	O	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
			Total	C	N	O	S			
30	A8	64	Total 517	C 331	N 102	O 82	S 2	0	0	0
30	D8	64	Total 517	C 331	N 102	O 82	S 2	0	0	0

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

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

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

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

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

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

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

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

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

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

Continued on next page...

Continued from previous page...

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Continued on next page...

Continued from previous page...

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

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

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

- Molecule 53 is a RNA chain called MRNA.

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

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

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

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

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

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	AA	1166	Total	Mg	0	0
			1166	1166		
59	AB	36	Total	Mg	0	0
			36	36		
59	AD	13	Total	Mg	0	0
			13	13		
59	AE	4	Total	Mg	0	0
			4	4		
59	AF	7	Total	Mg	0	0
			7	7		
59	AG	3	Total	Mg	0	0
			3	3		

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

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

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

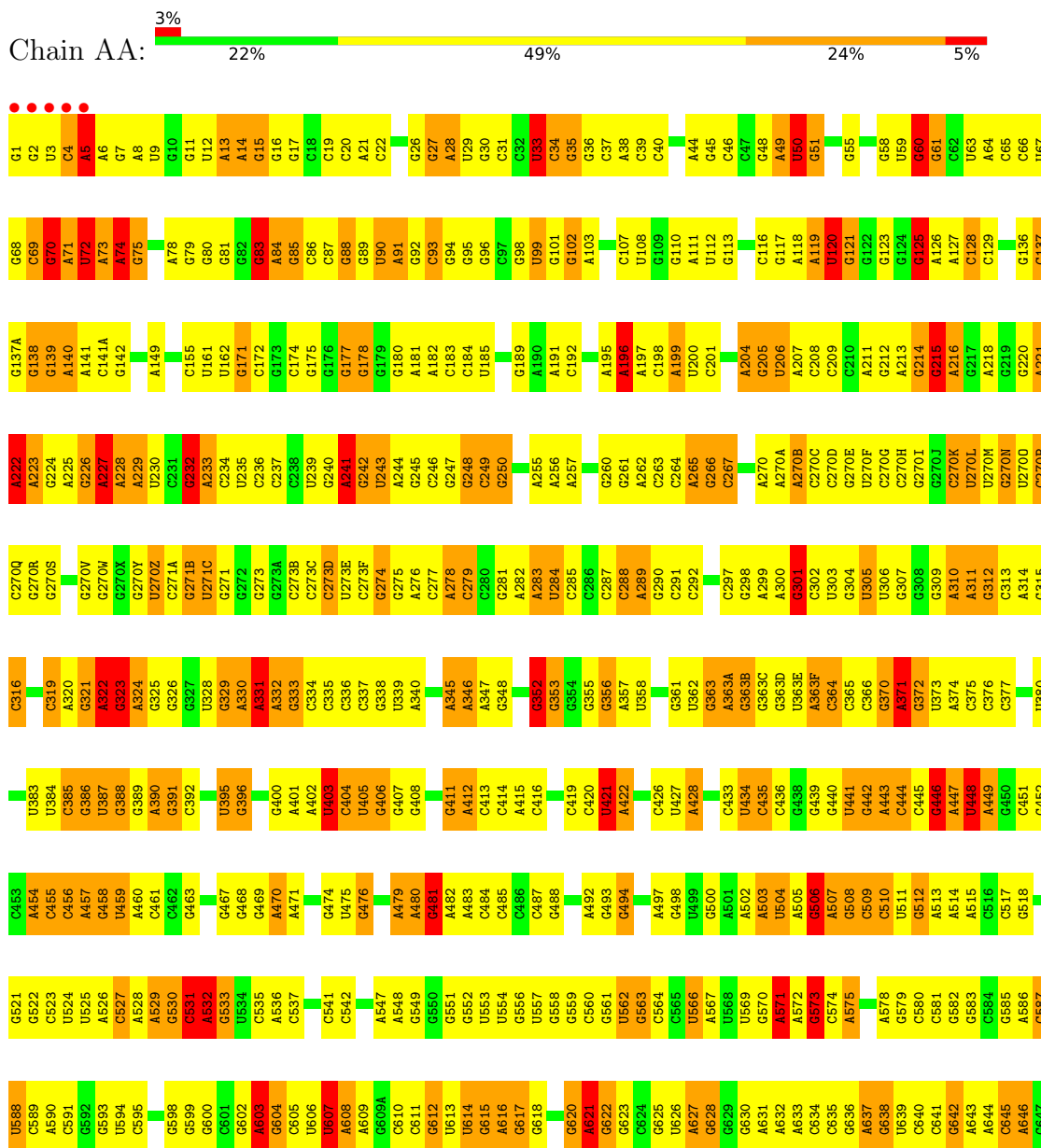
- Molecule 61 is water.

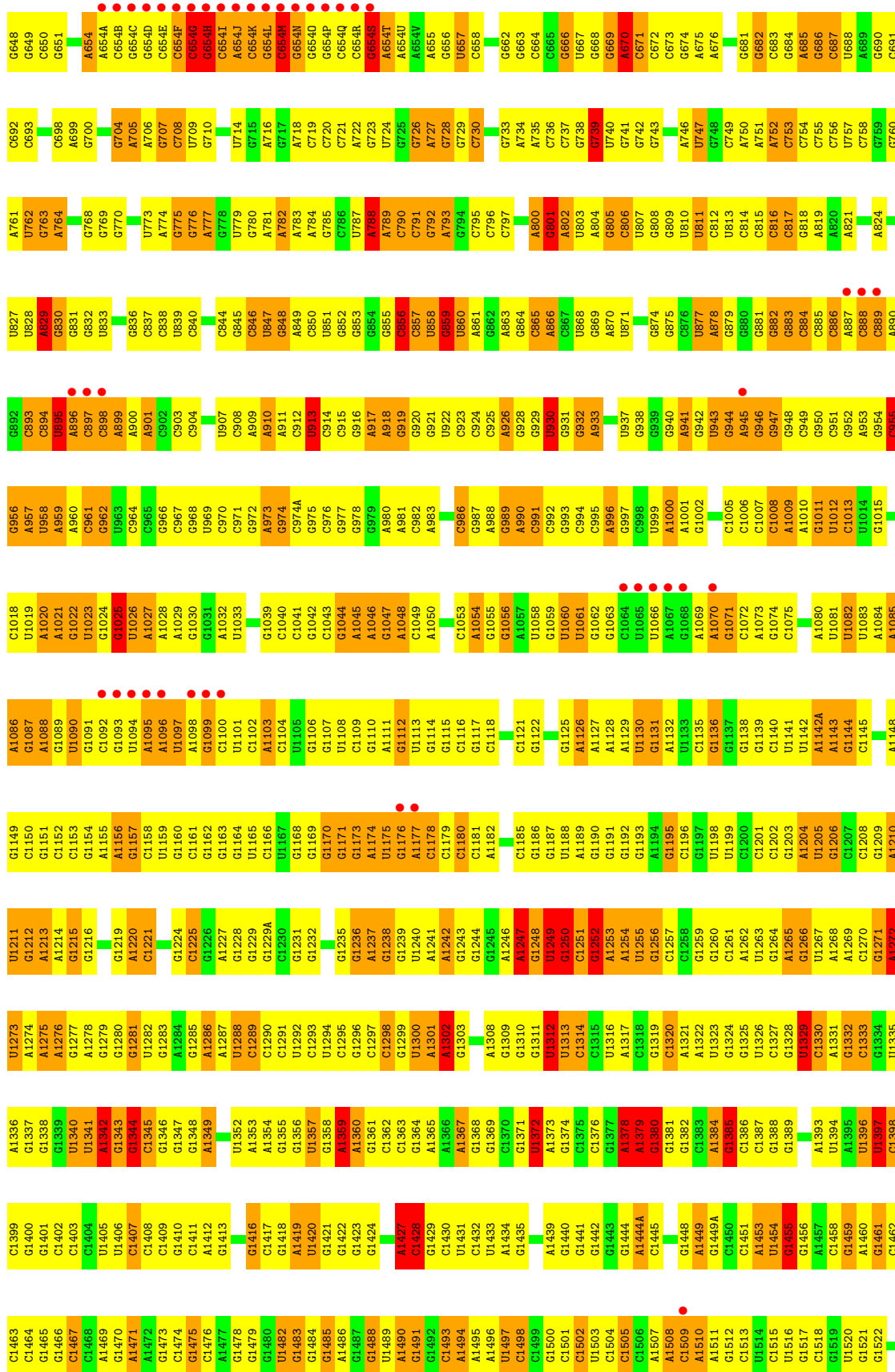
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	BA	3	Total 3	O 3	0	0
61	B1	3	Total 3	O 3	0	0

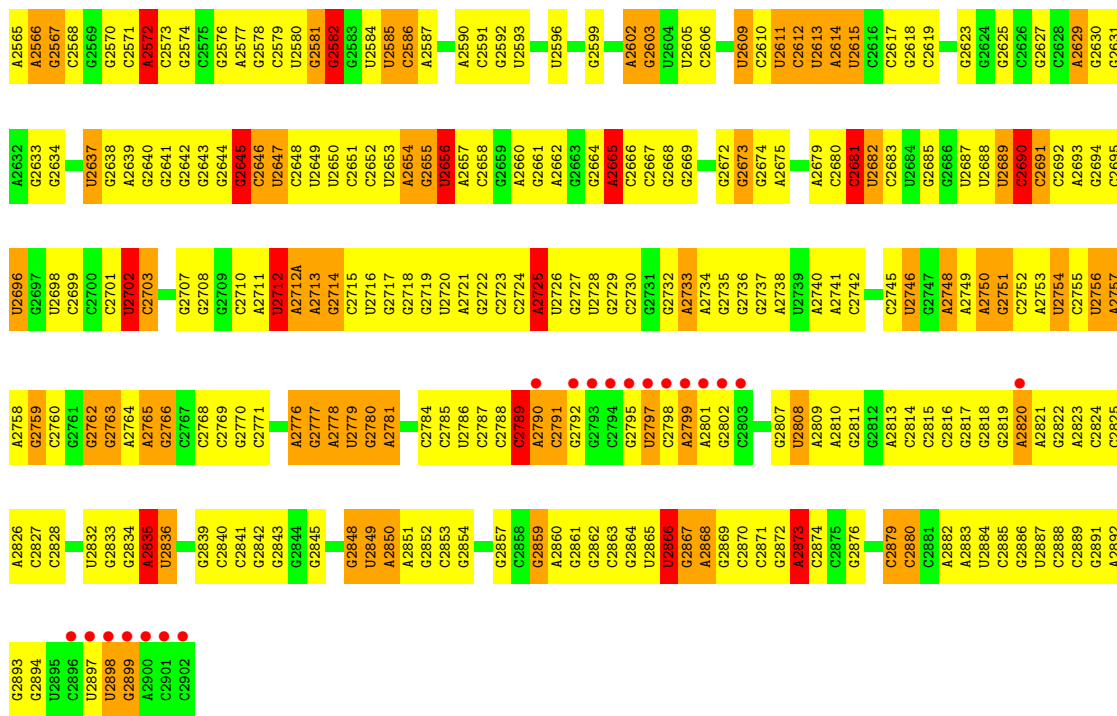
3 Residue-property plots

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

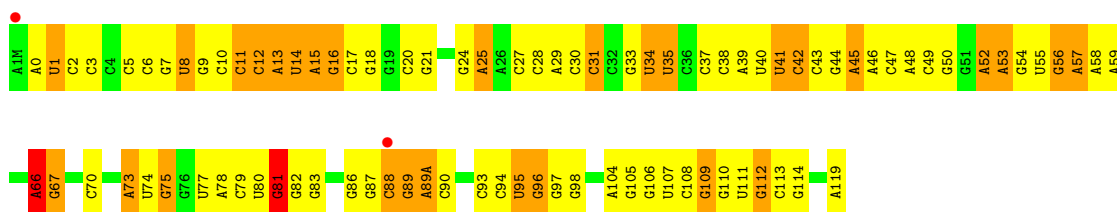
- Molecule 1: 23S RIBOSOMAL RNA



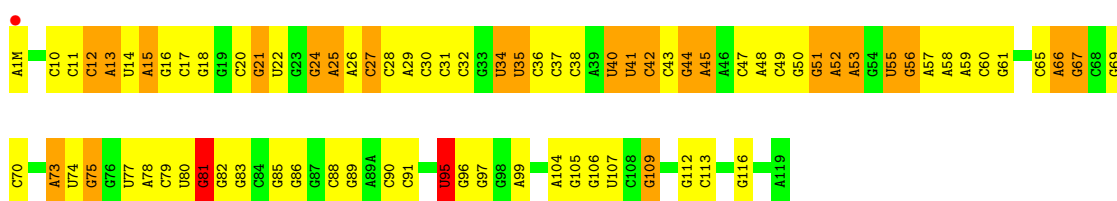




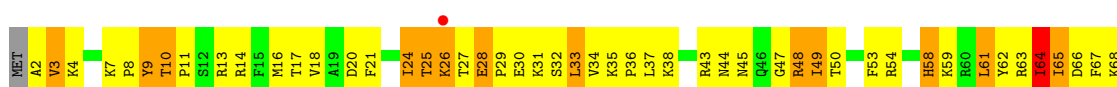
• Molecule 2: 5S RIBOSOMAL RNA

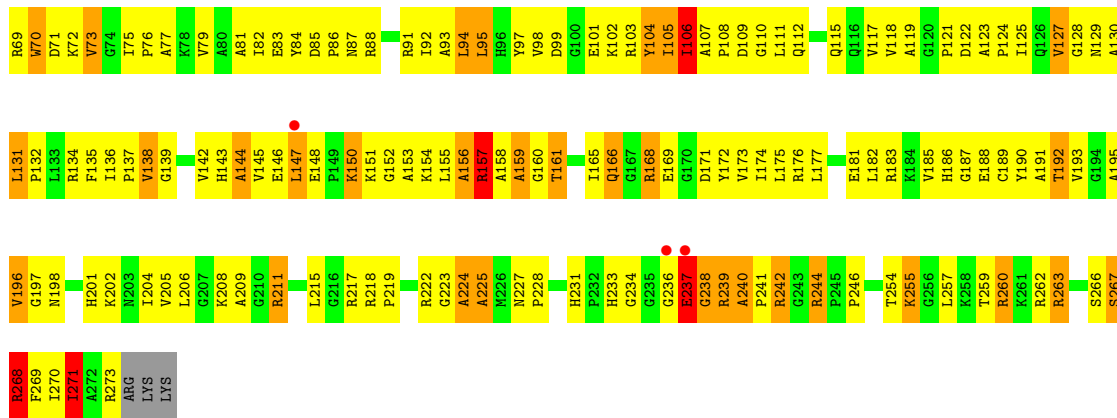


• Molecule 2: 5S RIBOSOMAL RNA

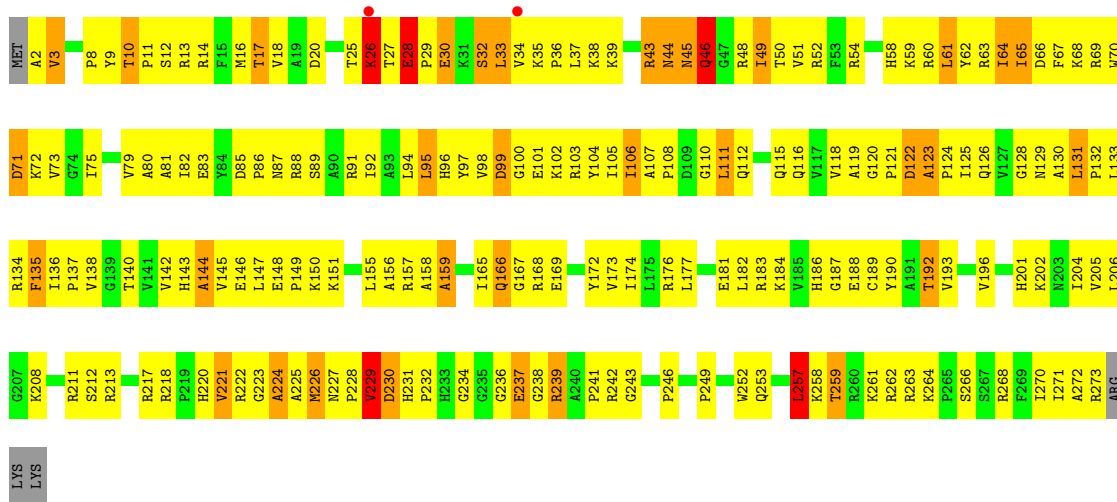


• Molecule 3: 50S RIBOSOMAL PROTEIN L2

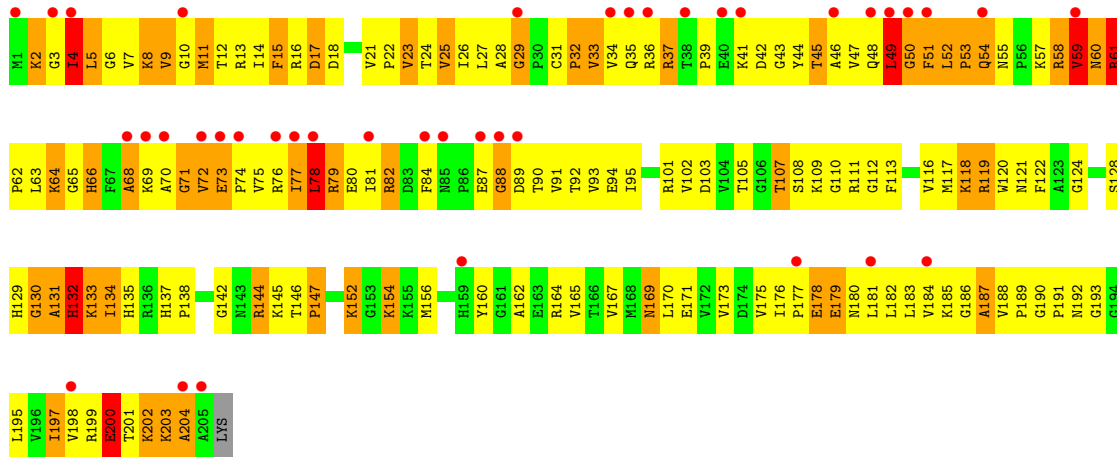




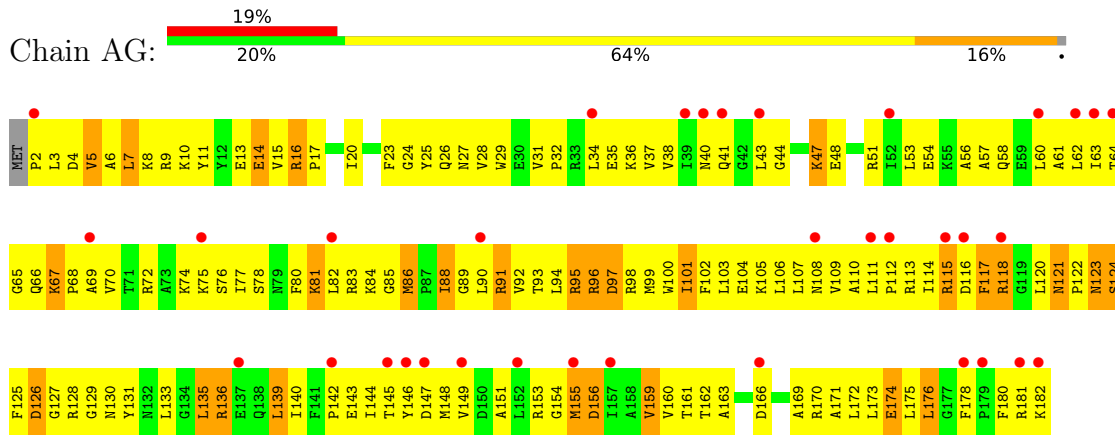
● Molecule 3: 50S RIBOSOMAL PROTEIN L2



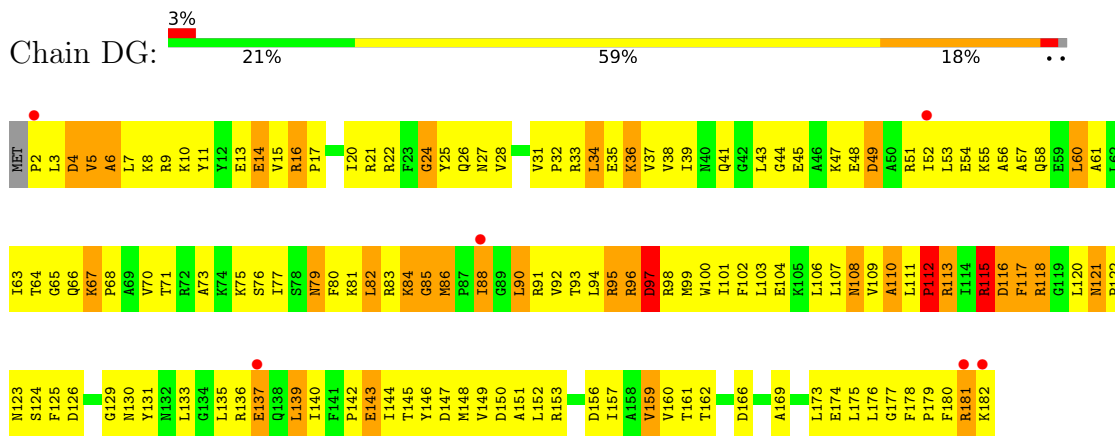
● Molecule 4: 50S RIBOSOMAL PROTEIN L3



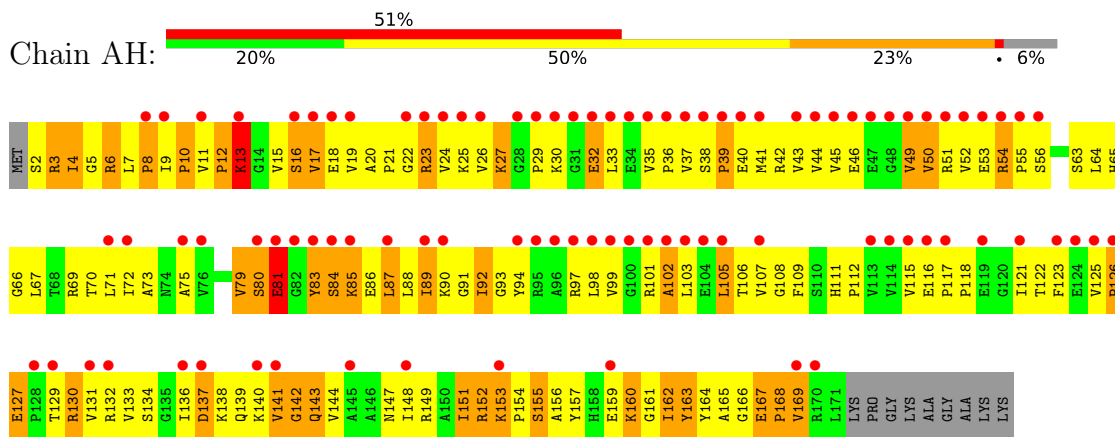
• Molecule 6: 50S RIBOSOMAL PROTEIN L5

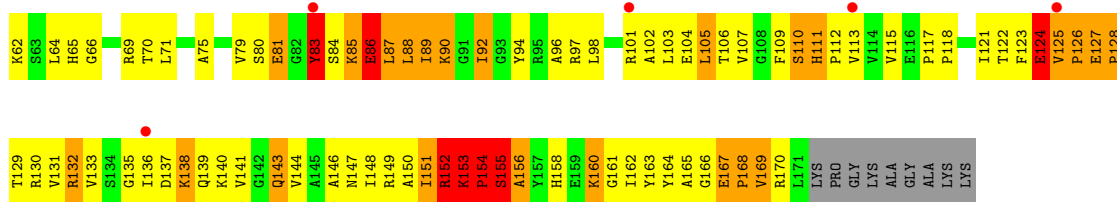


• Molecule 6: 50S RIBOSOMAL PROTEIN L5

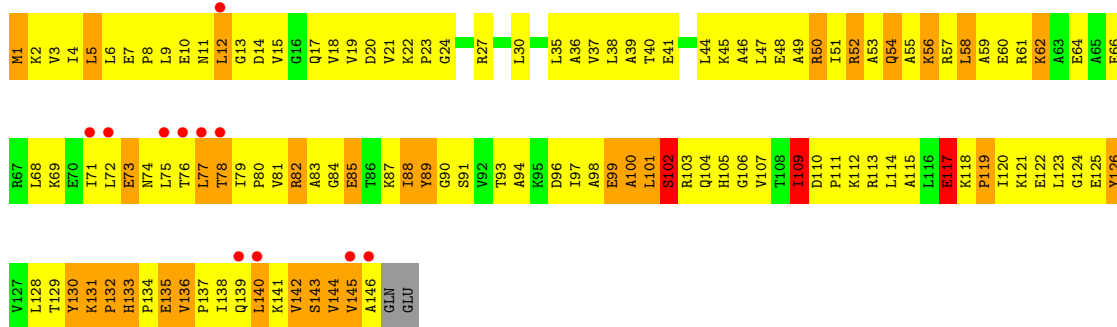
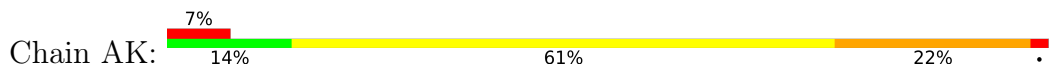


• Molecule 7: 50S RIBOSOMAL PROTEIN L6

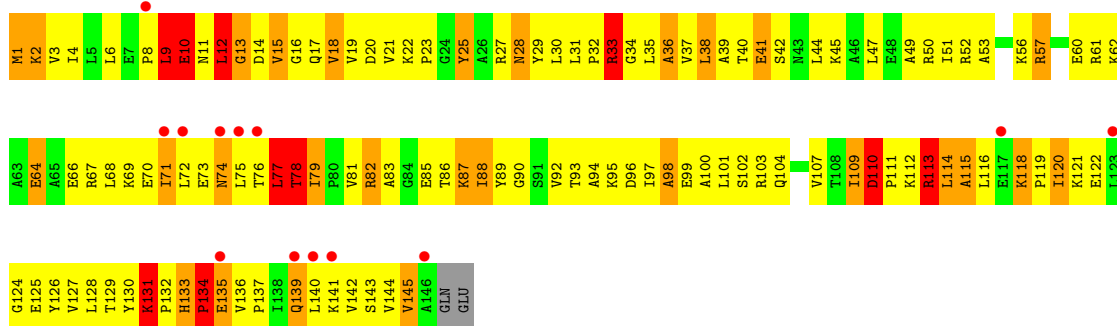
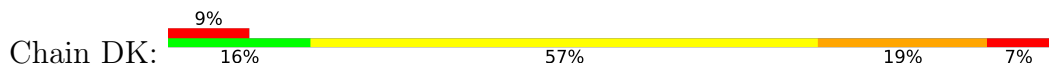




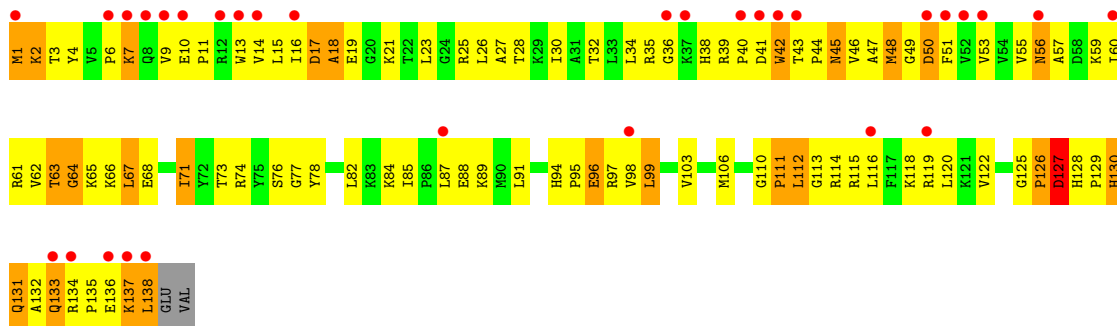
• Molecule 8: 50S RIBOSOMAL PROTEIN L9



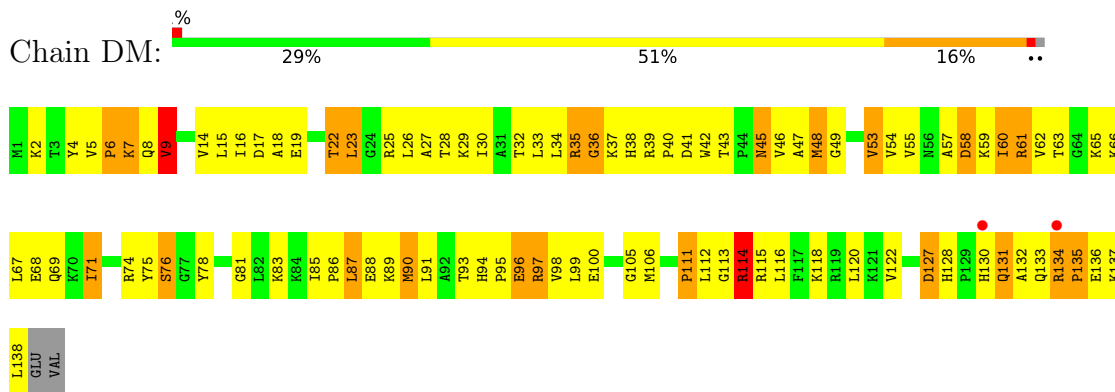
• Molecule 8: 50S RIBOSOMAL PROTEIN L9



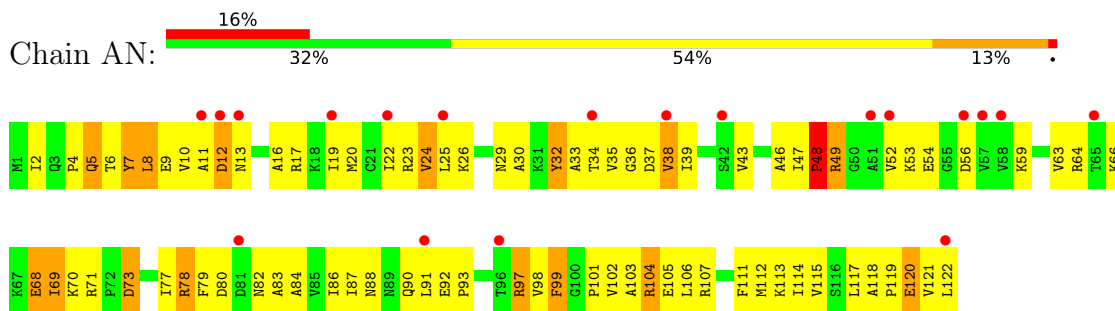
• Molecule 9: 50S RIBOSOMAL PROTEIN L13



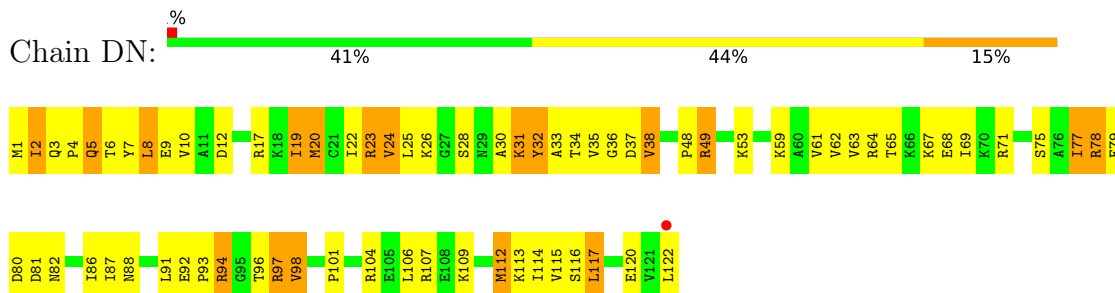
• Molecule 9: 50S RIBOSOMAL PROTEIN L13



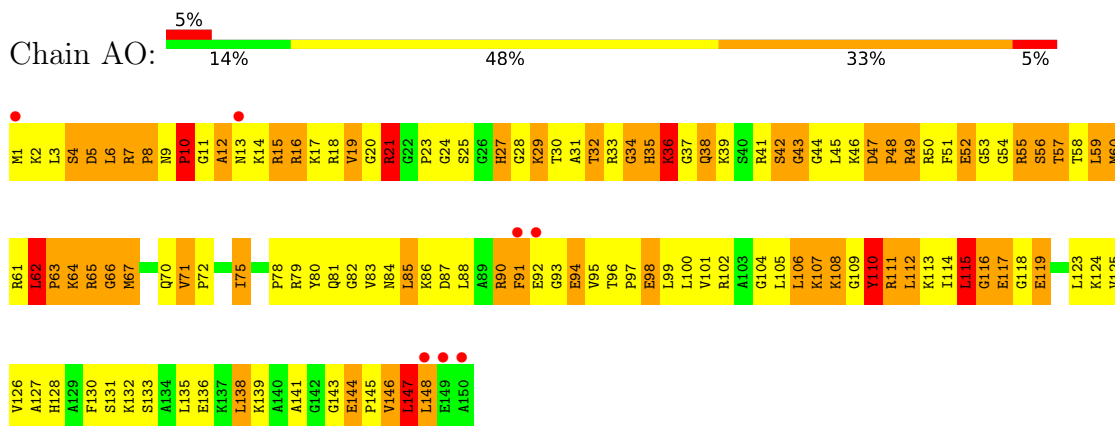
• Molecule 10: 50S RIBOSOMAL PROTEIN L14



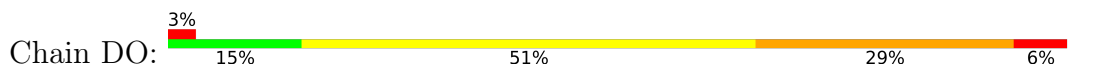
• Molecule 10: 50S RIBOSOMAL PROTEIN L14

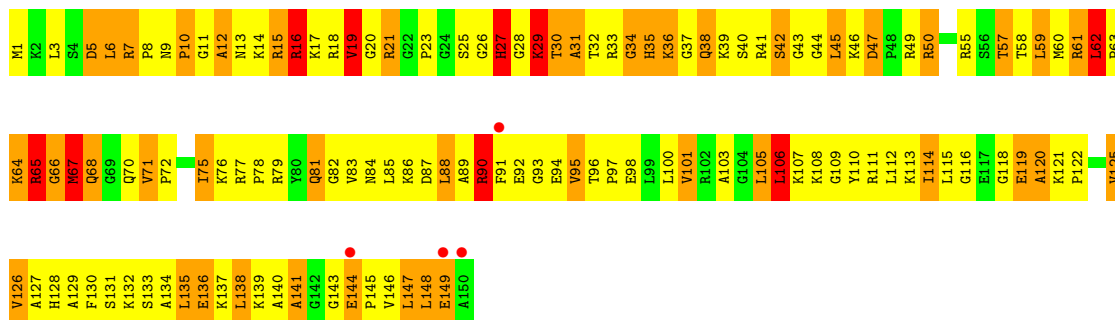


• Molecule 11: 50S RIBOSOMAL PROTEIN L15

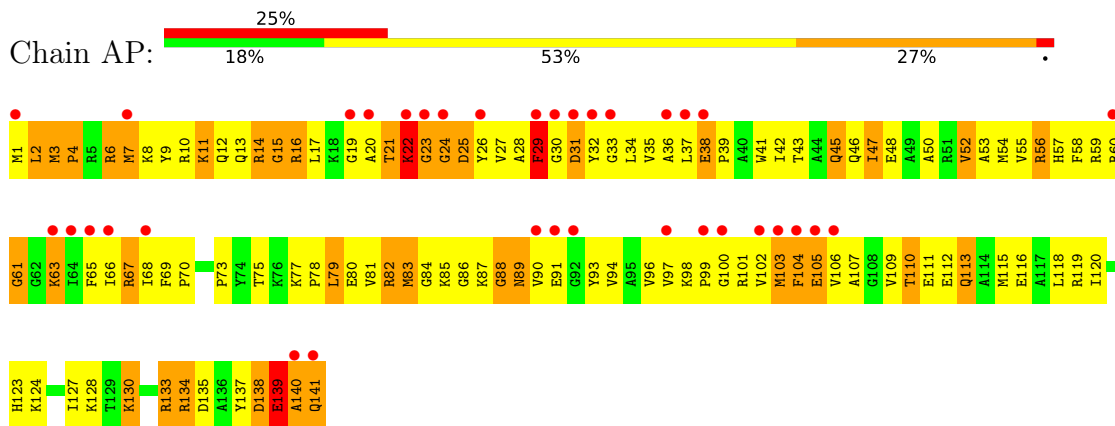


• Molecule 11: 50S RIBOSOMAL PROTEIN L15

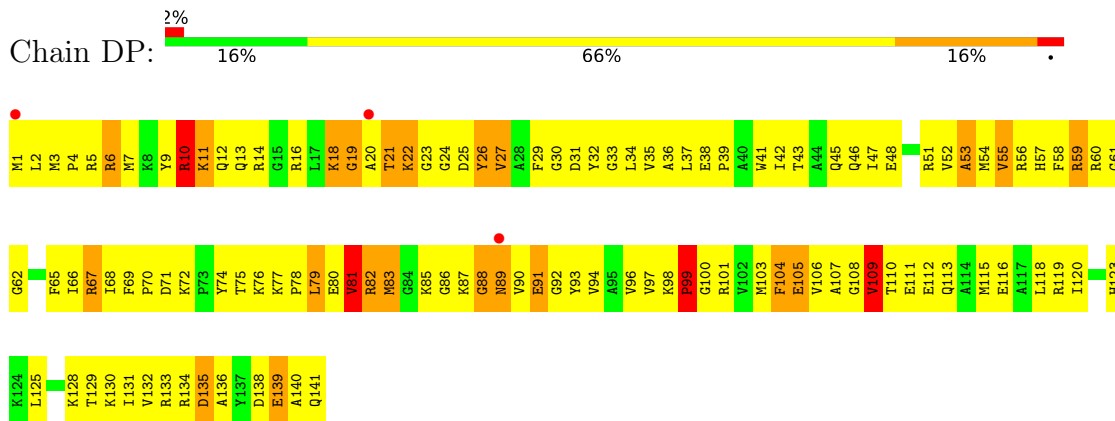




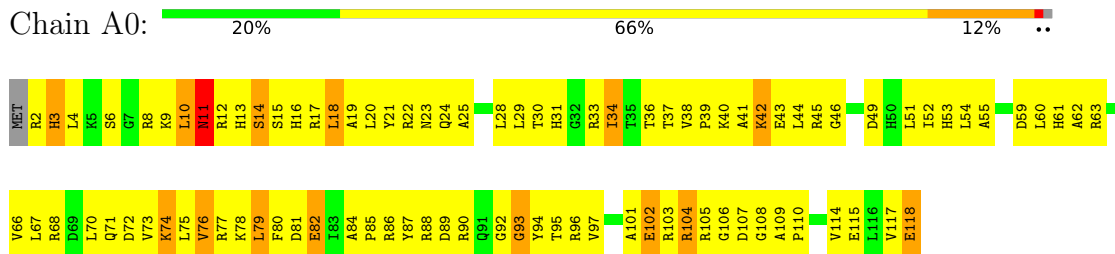
- Molecule 12: 50S RIBOSOMAL PROTEIN L16



- Molecule 12: 50S RIBOSOMAL PROTEIN L16

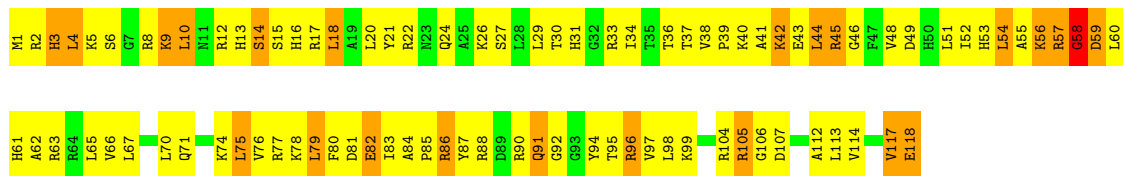


- Molecule 13: 50S RIBOSOMAL PROTEIN L17



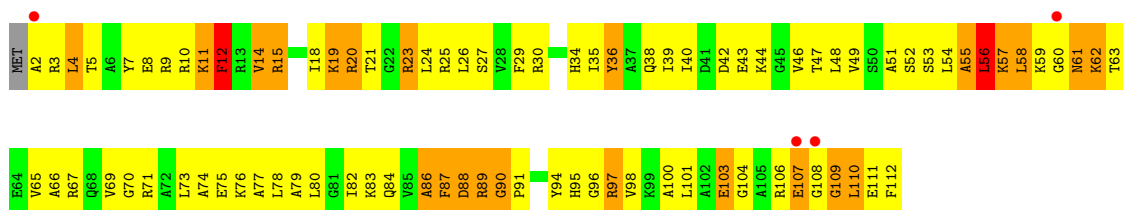
- Molecule 13: 50S RIBOSOMAL PROTEIN L17

Chain D0: 23% 58% 19%



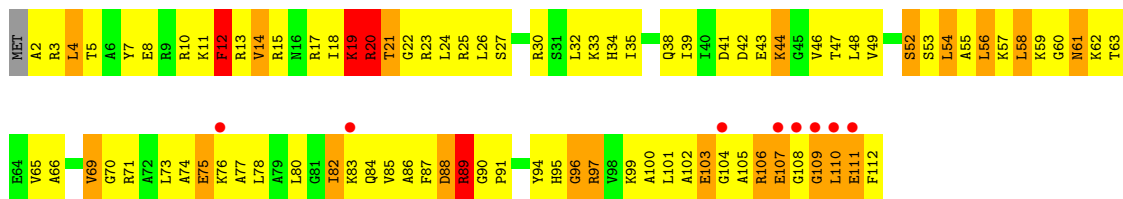
• Molecule 14: 50S RIBOSOMAL PROTEIN L18

Chain AQ: 4% 21% 56% 21%



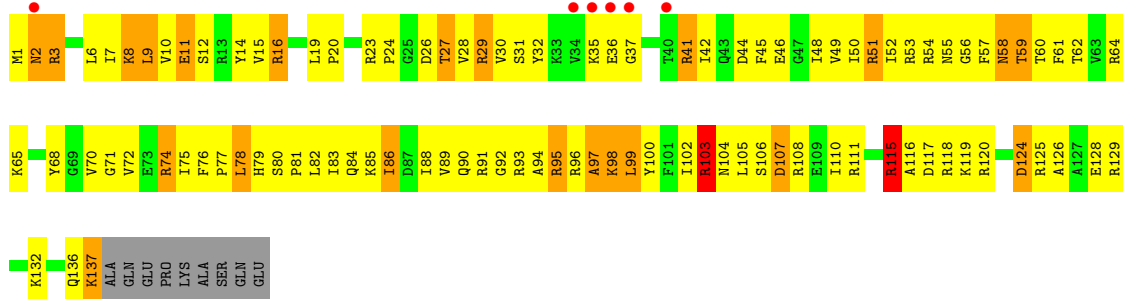
• Molecule 14: 50S RIBOSOMAL PROTEIN L18

Chain DQ: 7% 19% 58% 19%



• Molecule 15: 50S RIBOSOMAL PROTEIN L19

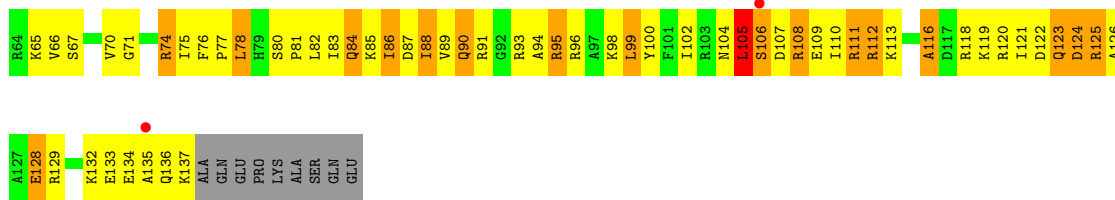
Chain AR: 4% 24% 53% 15% 6%



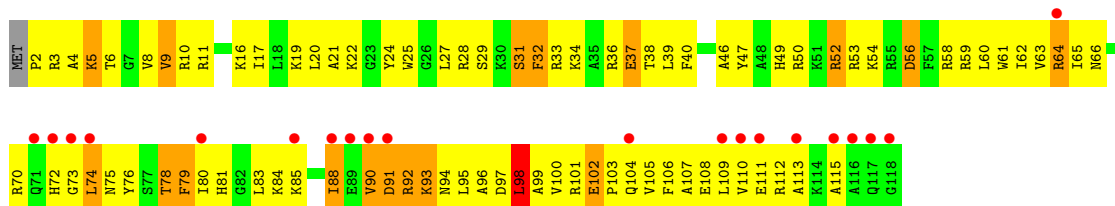
• Molecule 15: 50S RIBOSOMAL PROTEIN L19

Chain DR: 3% 21% 51% 20% 6%





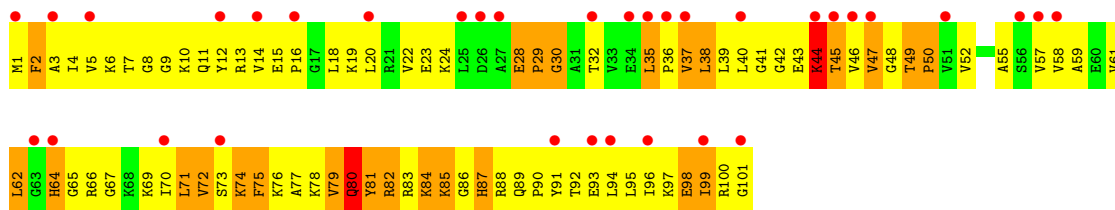
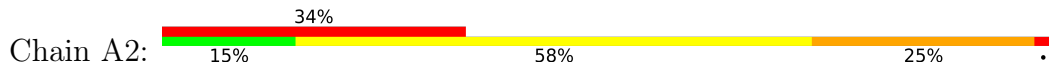
● Molecule 16: 50S RIBOSOMAL PROTEIN L20



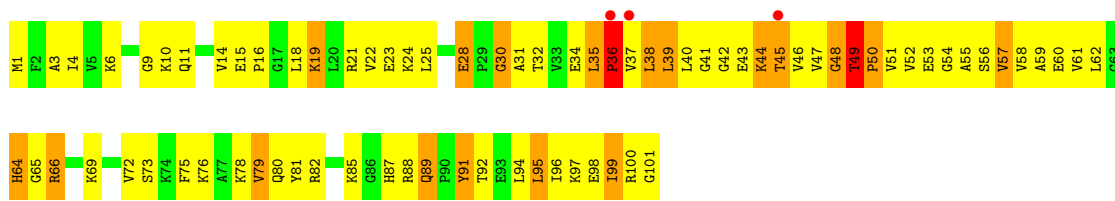
● Molecule 16: 50S RIBOSOMAL PROTEIN L20



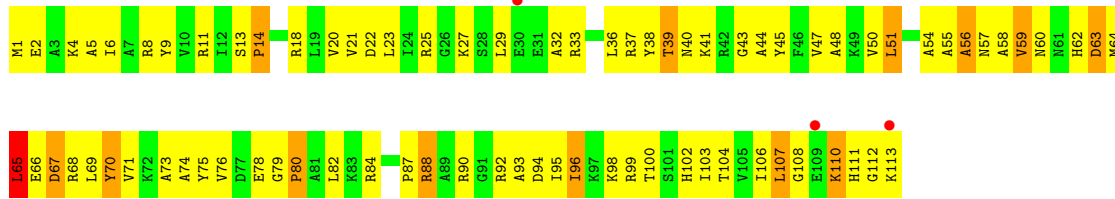
● Molecule 17: 50S RIBOSOMAL PROTEIN L21



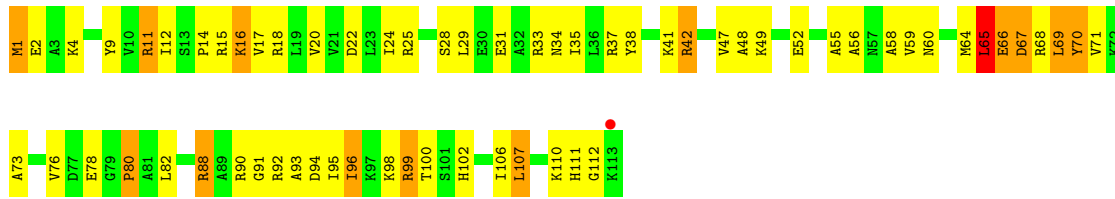
● Molecule 17: 50S RIBOSOMAL PROTEIN L21



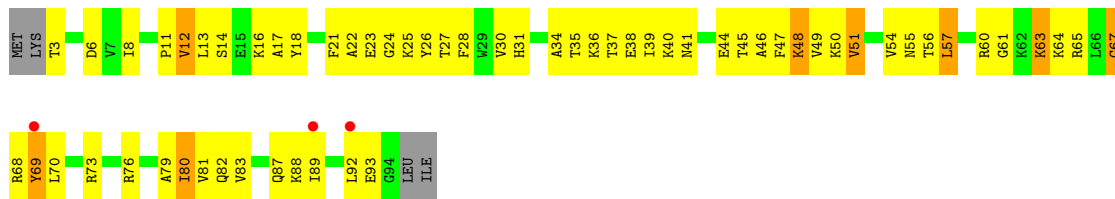
● Molecule 18: 50S RIBOSOMAL PROTEIN L22



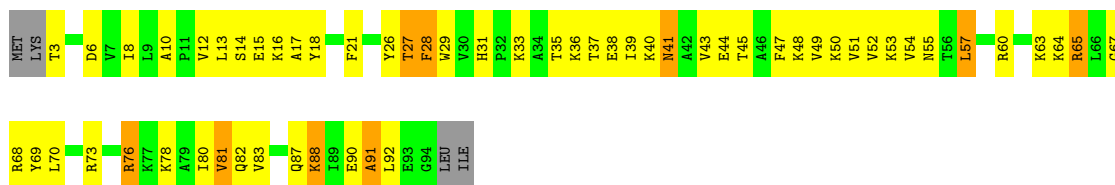
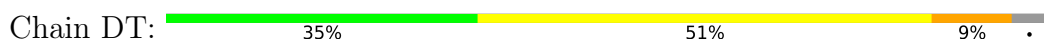
• Molecule 18: 50S RIBOSOMAL PROTEIN L22



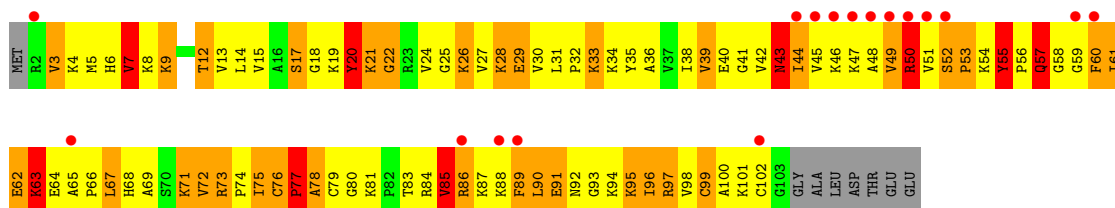
• Molecule 19: 50S RIBOSOMAL PROTEIN L23



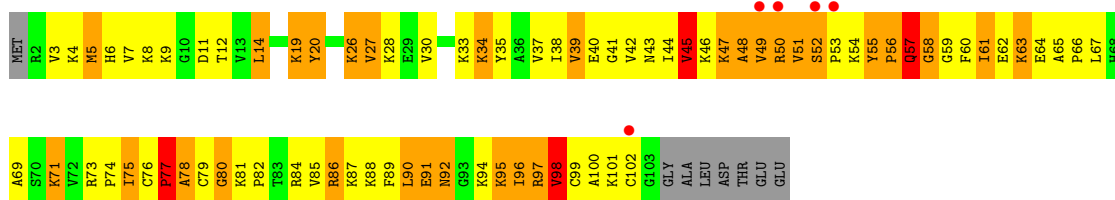
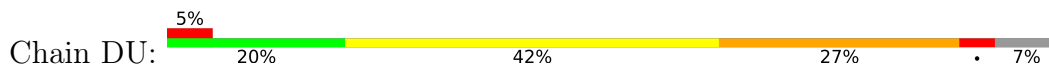
• Molecule 19: 50S RIBOSOMAL PROTEIN L23



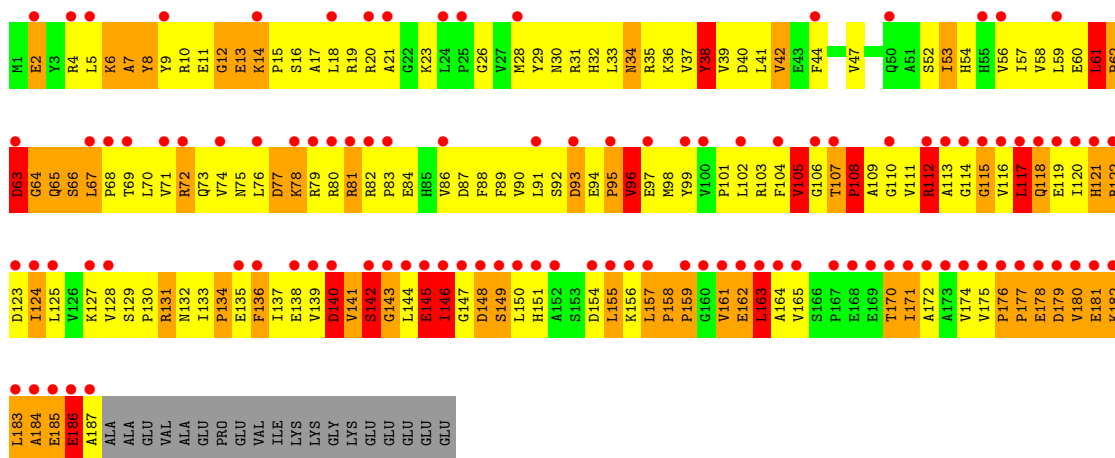
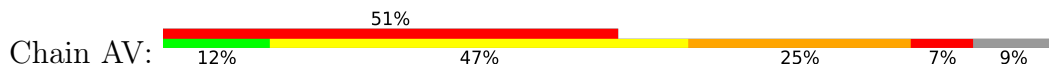
• Molecule 20: 50S RIBOSOMAL PROTEIN L24



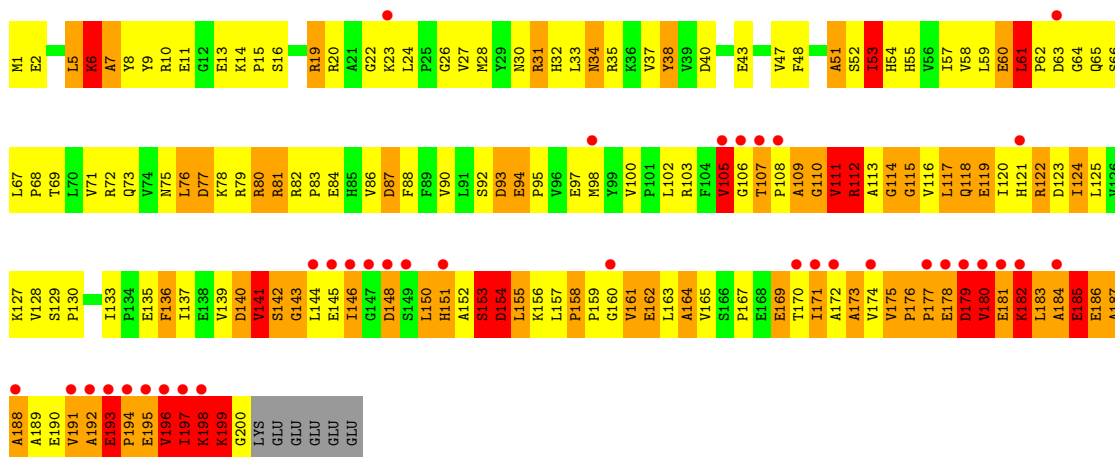
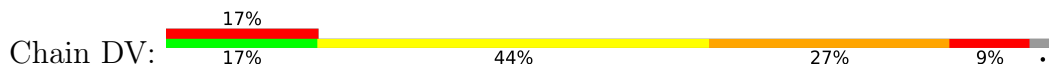
• Molecule 20: 50S RIBOSOMAL PROTEIN L24



• Molecule 21: 50S RIBOSOMAL PROTEIN L25

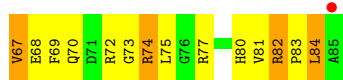
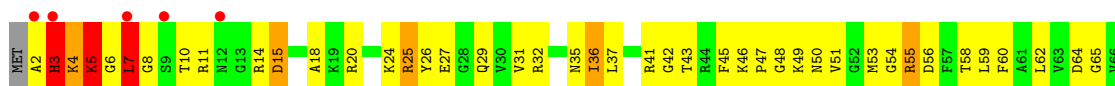


• Molecule 21: 50S RIBOSOMAL PROTEIN L25



• Molecule 22: 50S RIBOSOMAL PROTEIN L27





• Molecule 22: 50S RIBOSOMAL PROTEIN L27



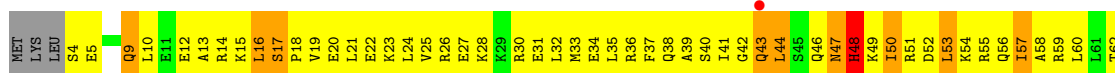
• Molecule 23: 50S RIBOSOMAL PROTEIN L28



• Molecule 23: 50S RIBOSOMAL PROTEIN L28



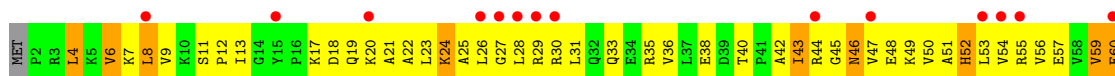
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



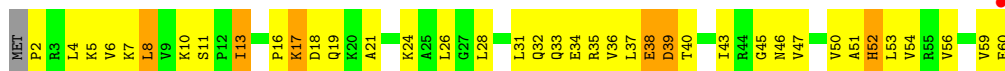
• Molecule 24: 50S RIBOSOMAL PROTEIN L29



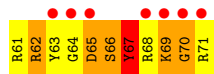
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



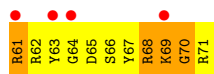
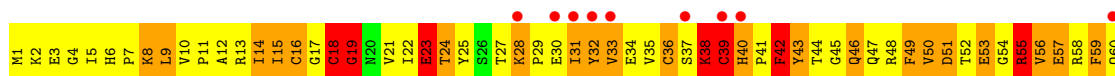
• Molecule 25: 50S RIBOSOMAL PROTEIN L30



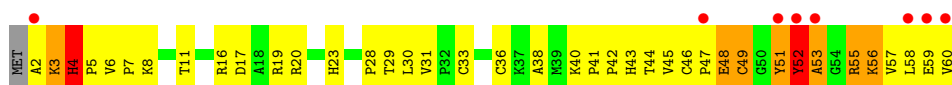
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



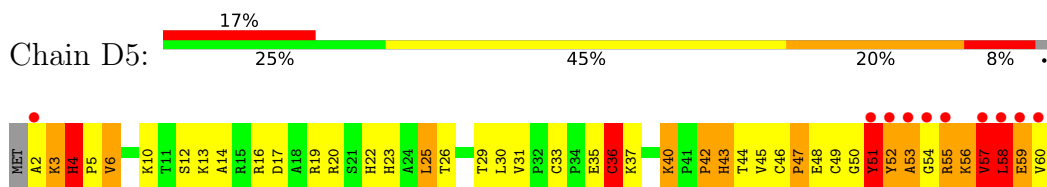
• Molecule 26: 50S RIBOSOMAL PROTEIN L31



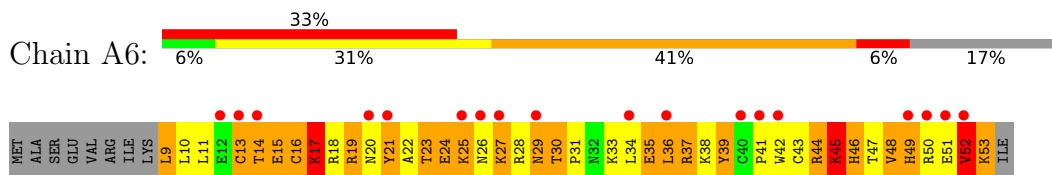
• Molecule 27: 50S RIBOSOMAL PROTEIN L32



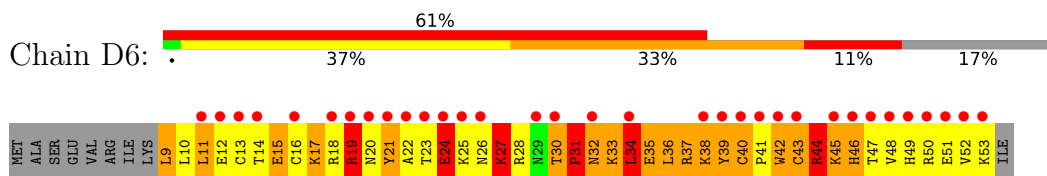
- Molecule 27: 50S RIBOSOMAL PROTEIN L32



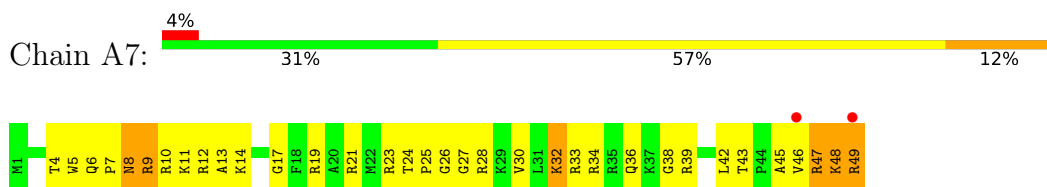
- Molecule 28: 50S RIBOSOMAL PROTEIN L33



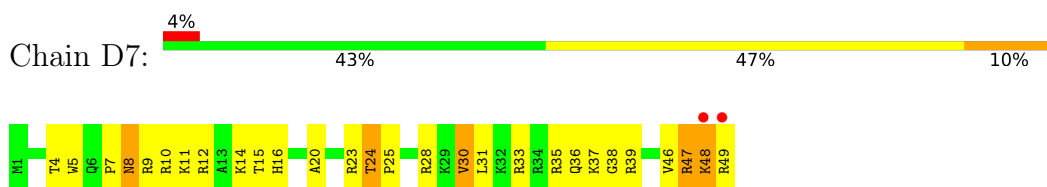
- Molecule 28: 50S RIBOSOMAL PROTEIN L33



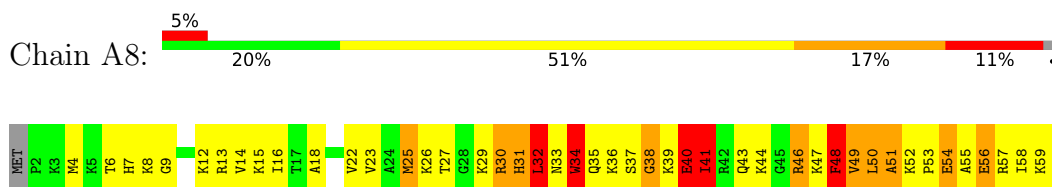
- Molecule 29: 50S RIBOSOMAL PROTEIN L34



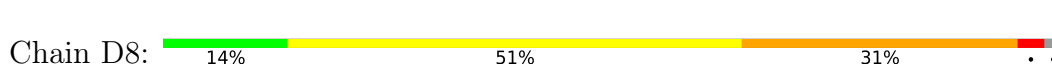
- Molecule 29: 50S RIBOSOMAL PROTEIN L34

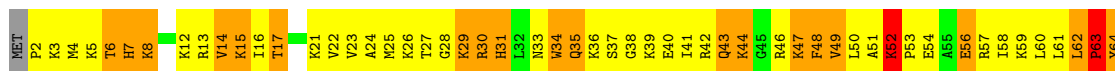


- Molecule 30: 50S RIBOSOMAL PROTEIN L35



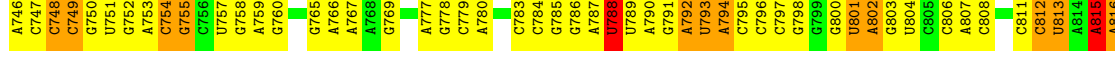
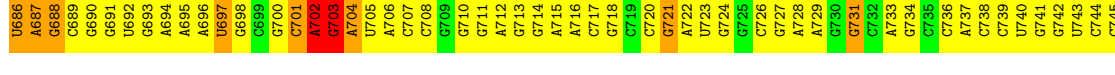
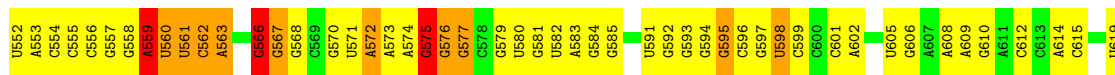
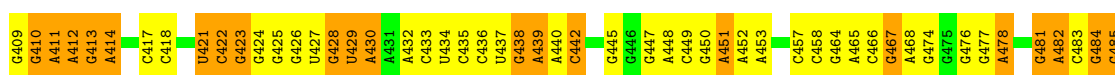
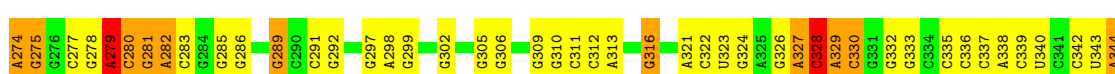
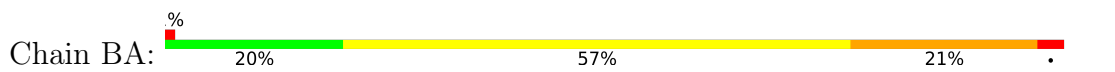
- Molecule 30: 50S RIBOSOMAL PROTEIN L35

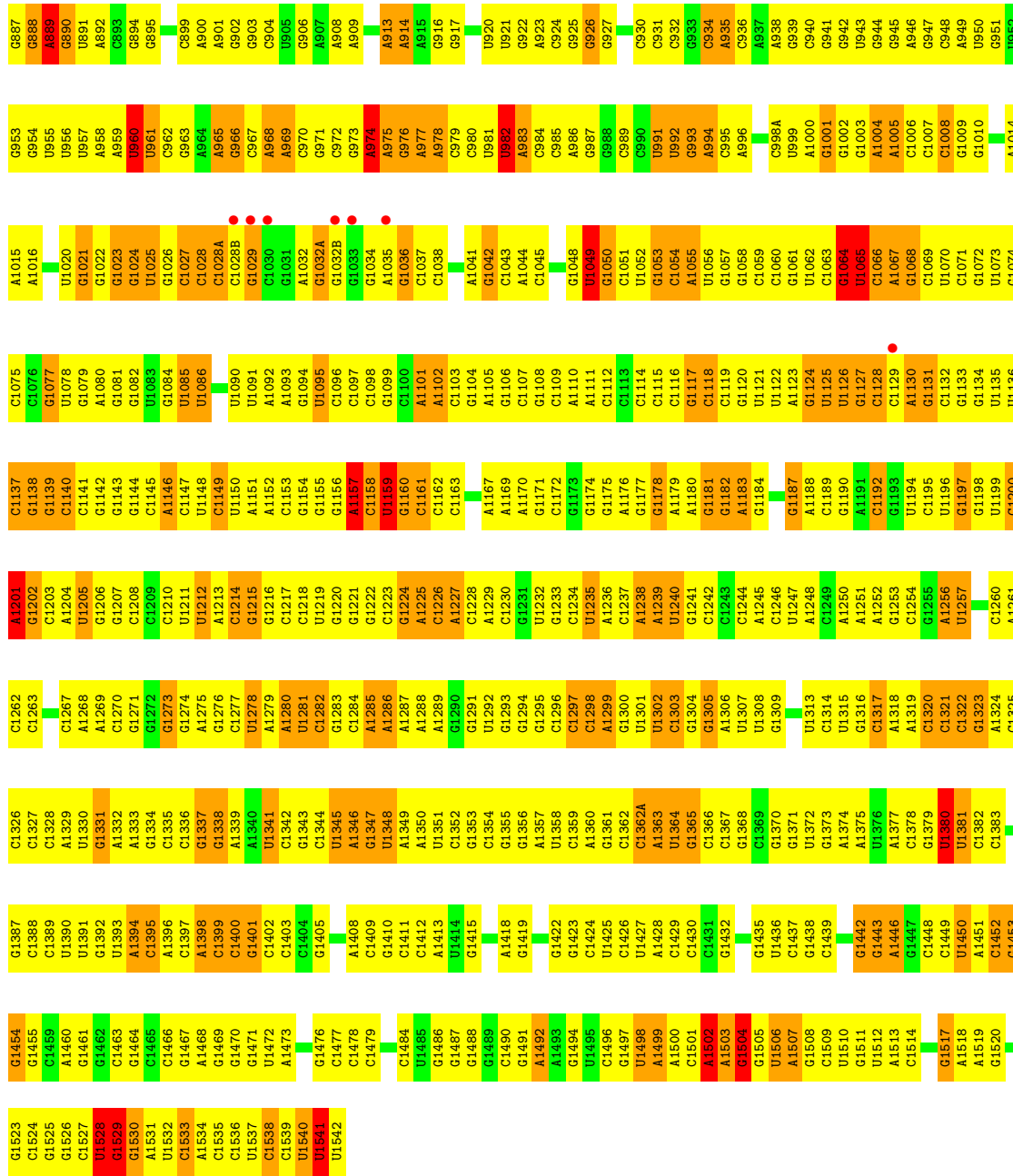




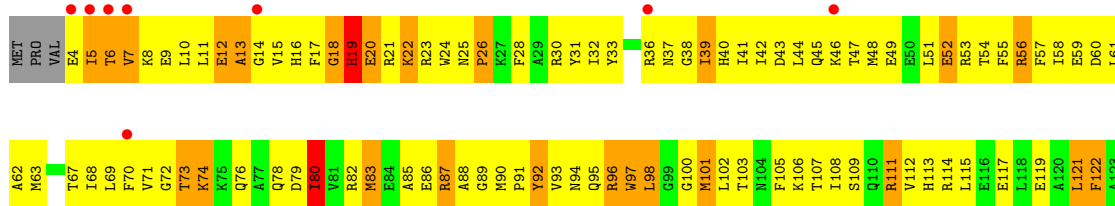
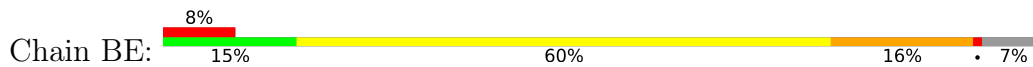
B65

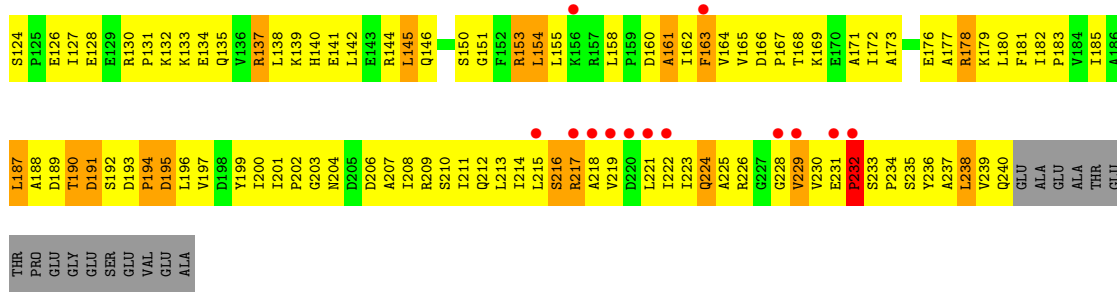
• Molecule 31: 16S ribosomal RNA



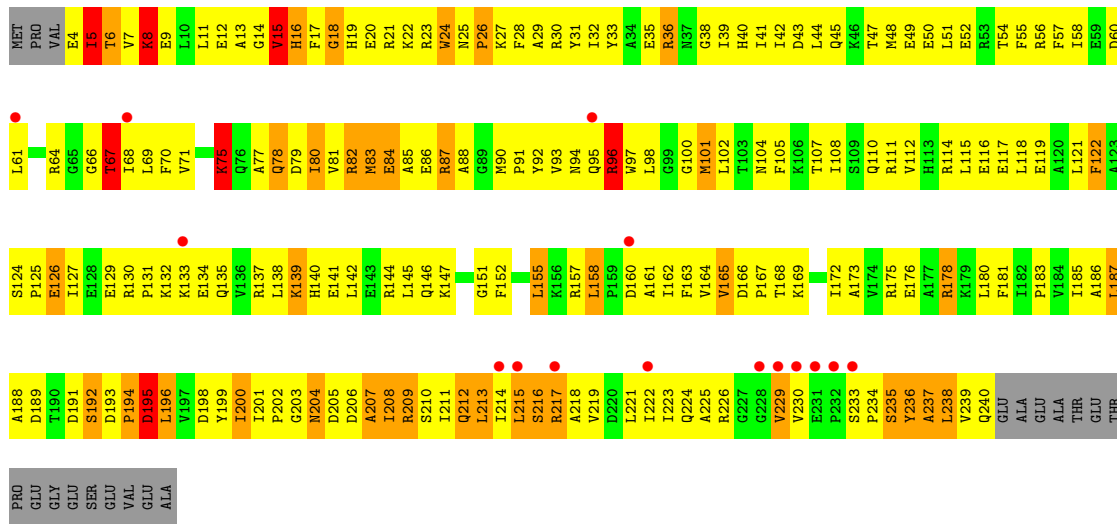


● Molecule 32: 30S ribosomal protein S2

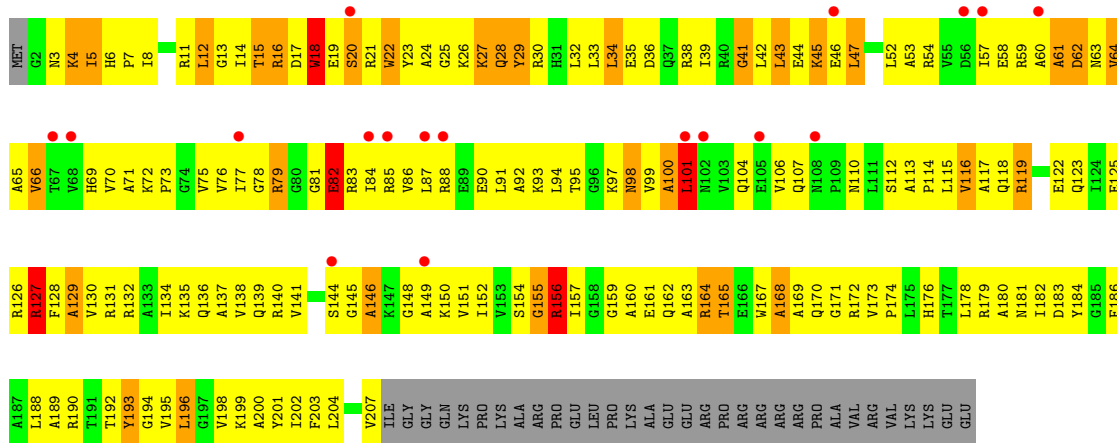
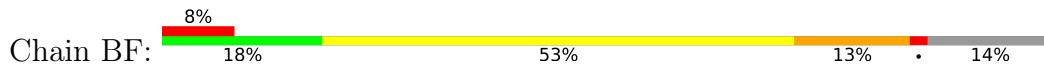




• Molecule 32: 30S ribosomal protein S2

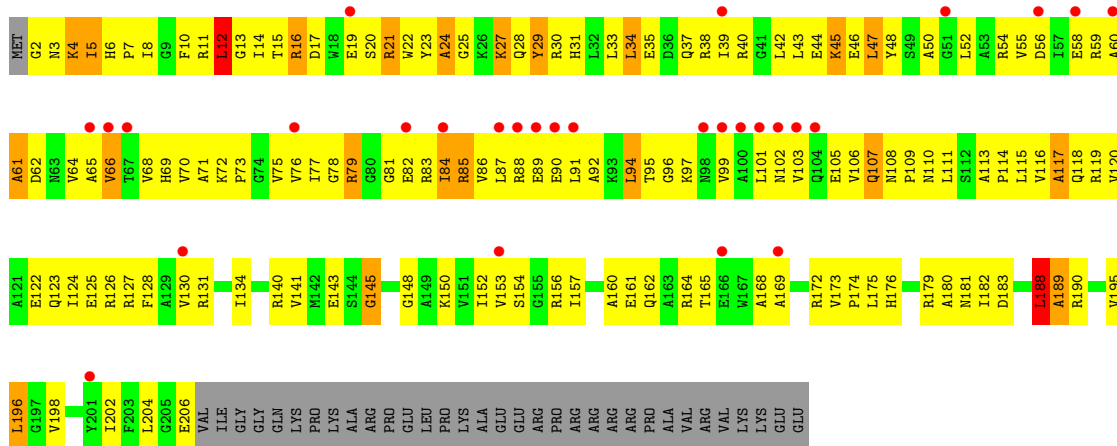


• Molecule 33: 30S ribosomal protein S3

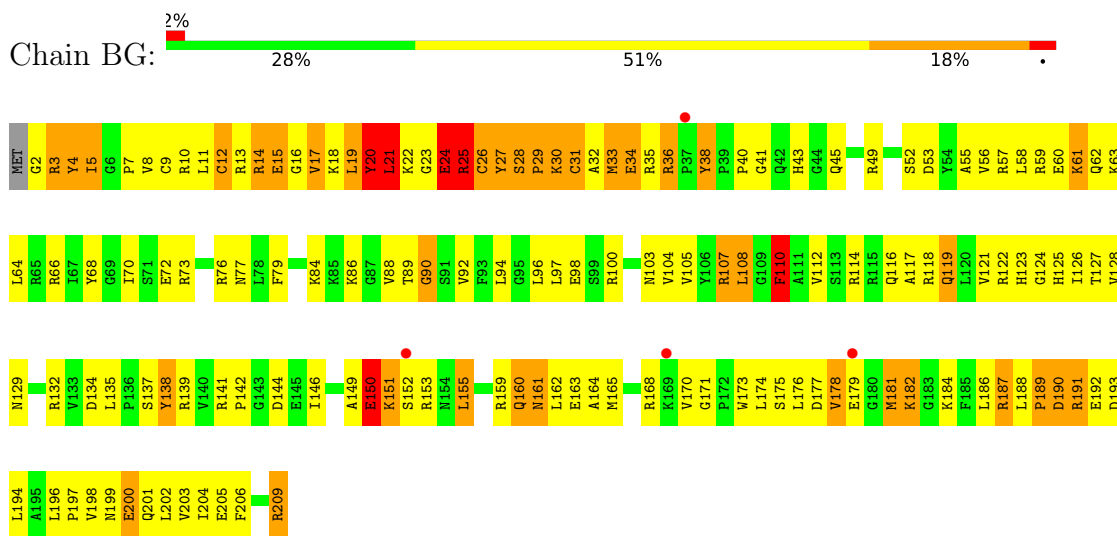


• Molecule 33: 30S ribosomal protein S3

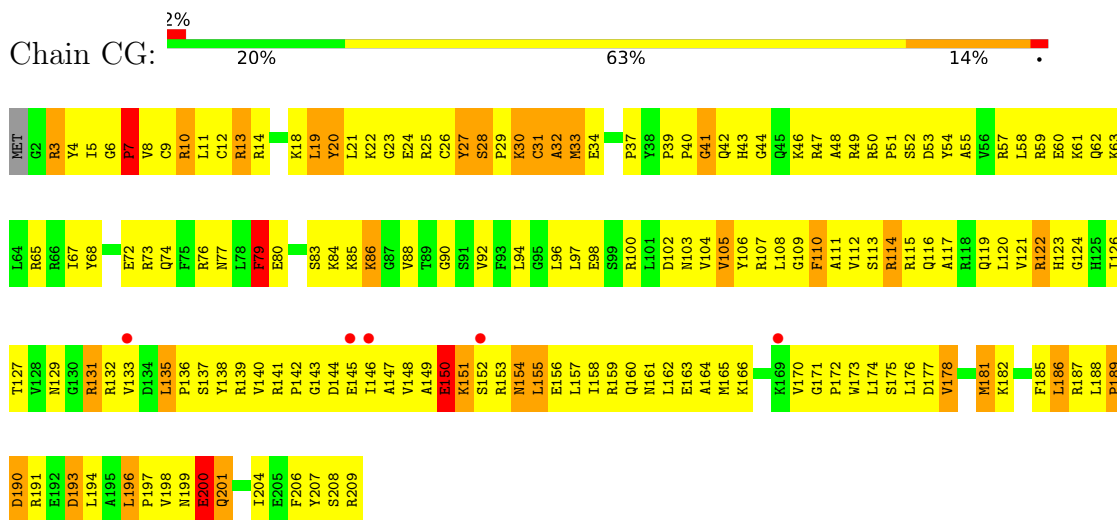




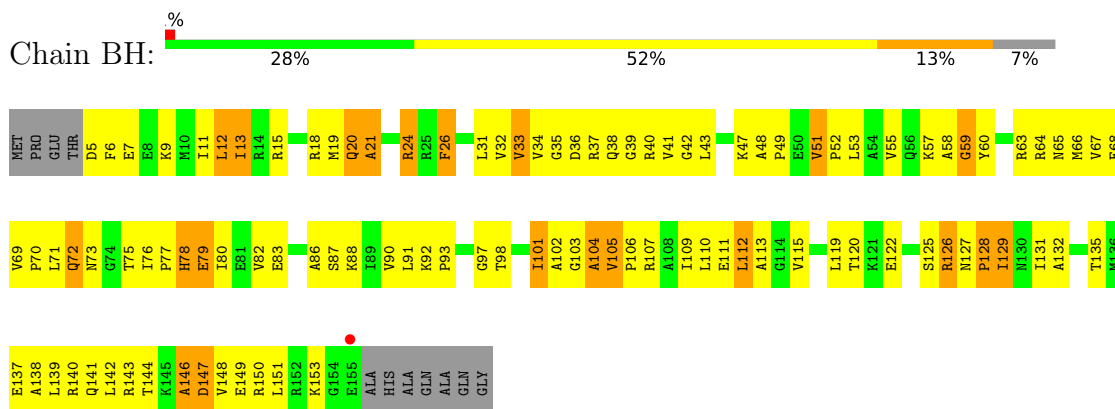
• Molecule 34: 30S ribosomal protein S4



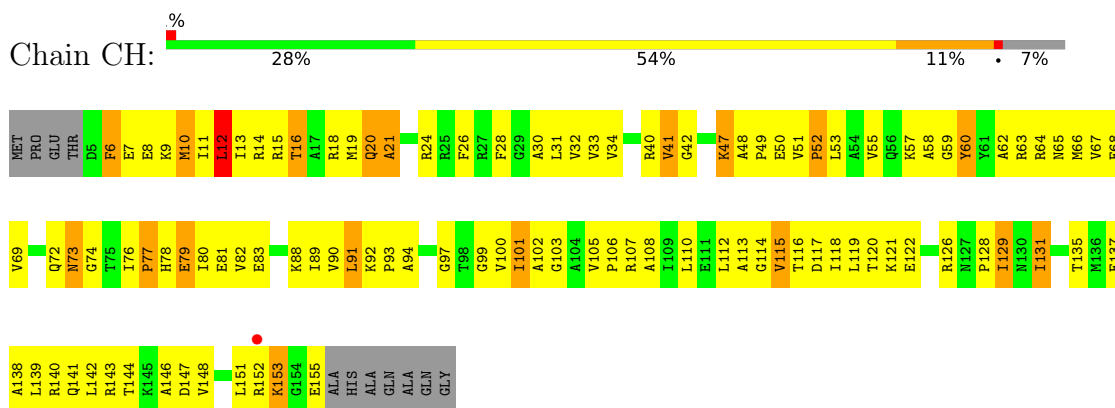
• Molecule 34: 30S ribosomal protein S4



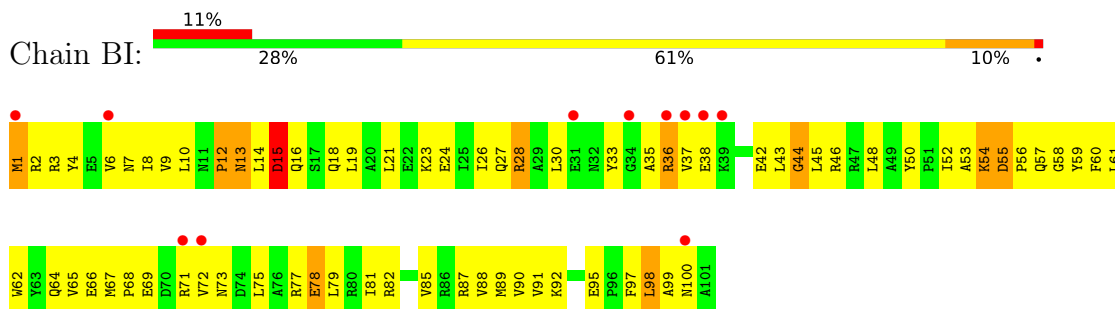
• Molecule 35: 30S ribosomal protein S5



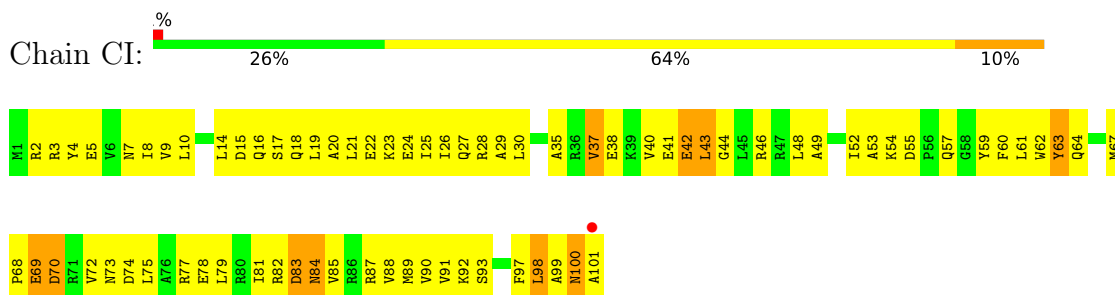
- Molecule 35: 30S ribosomal protein S5



- Molecule 36: 30S ribosomal protein S6

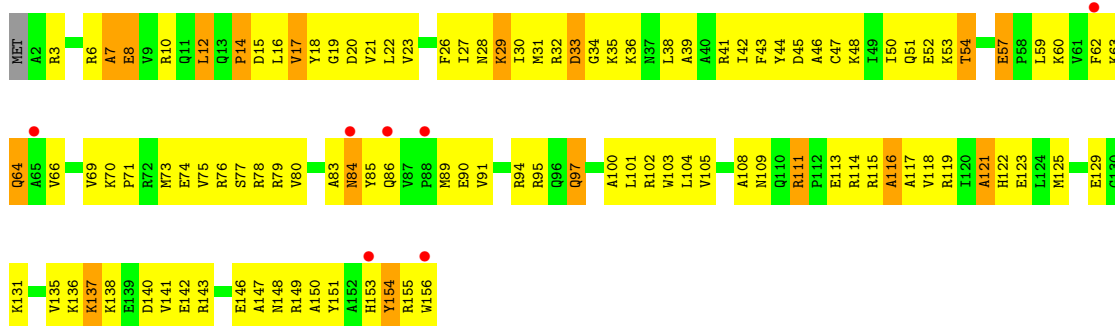


- Molecule 36: 30S ribosomal protein S6

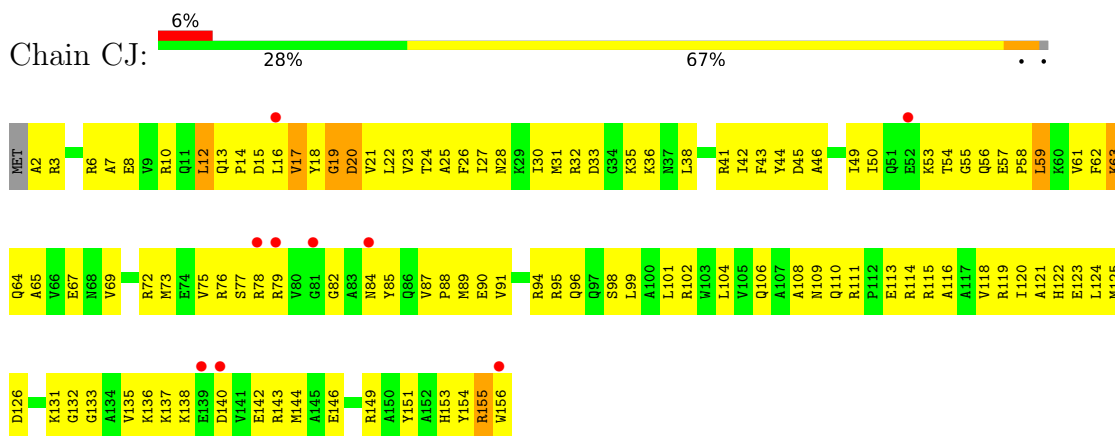


- Molecule 37: 30S ribosomal protein S7

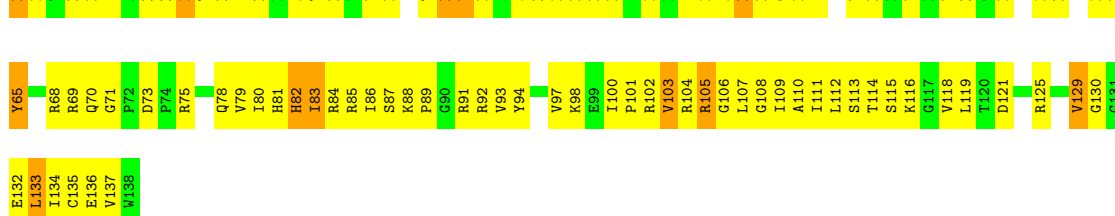
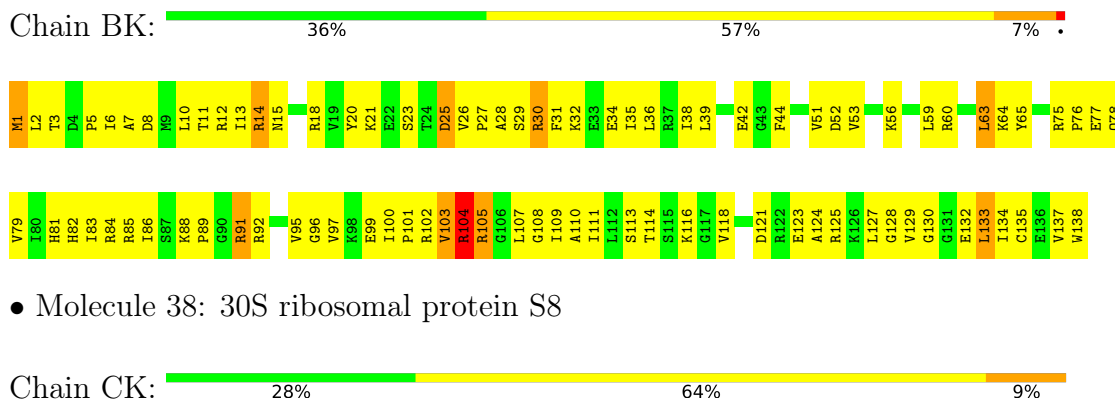




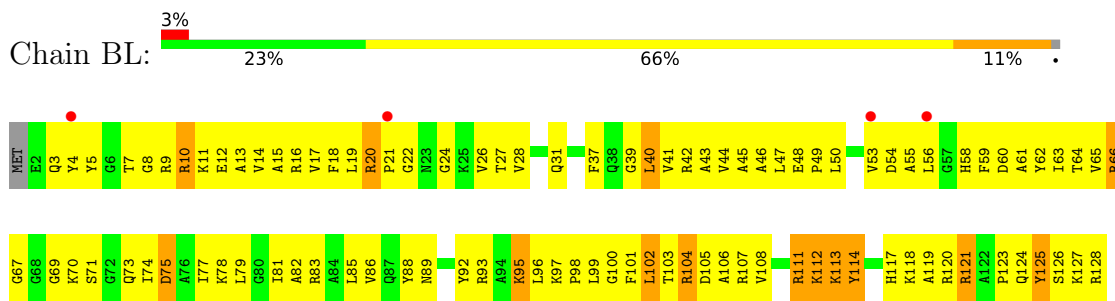
- Molecule 37: 30S ribosomal protein S7



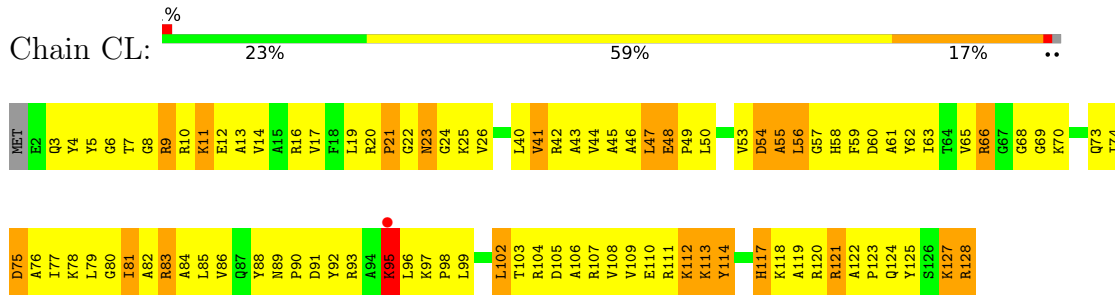
- Molecule 38: 30S ribosomal protein S8



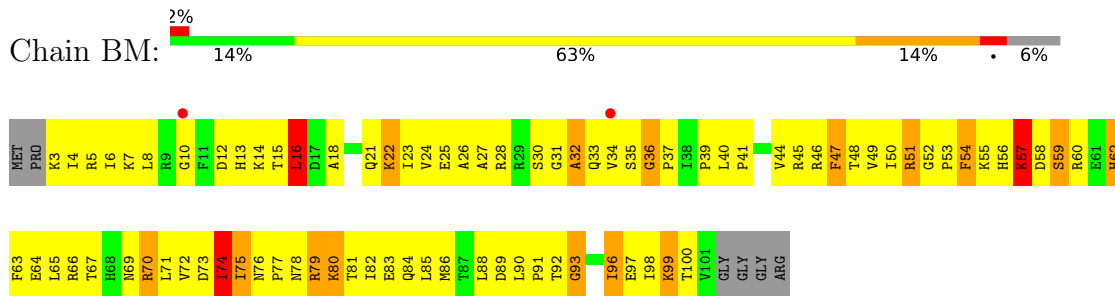
- Molecule 39: 30S ribosomal protein S9



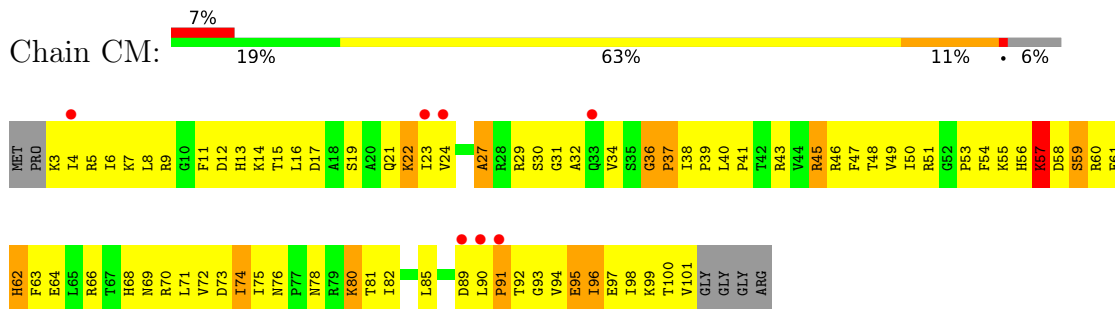
• Molecule 39: 30S ribosomal protein S9



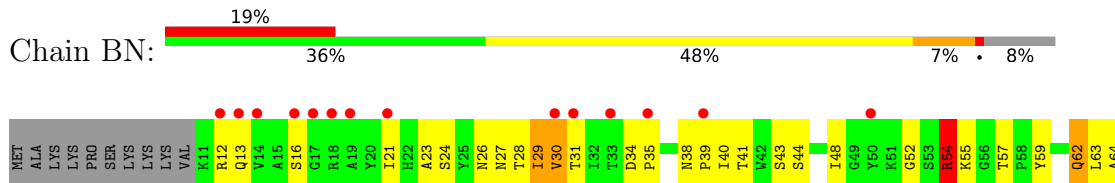
• Molecule 40: 30S ribosomal protein S10

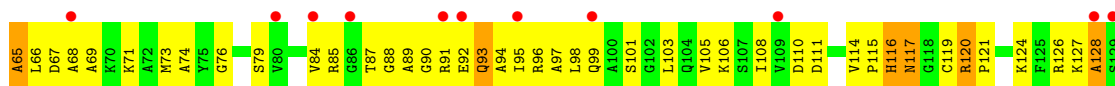


• Molecule 40: 30S ribosomal protein S10

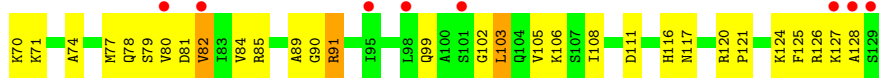
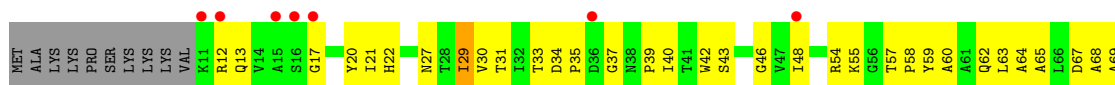
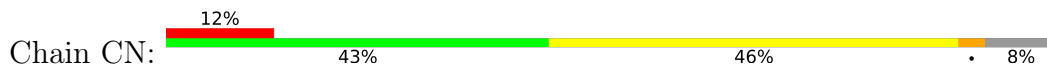


• Molecule 41: 30S ribosomal protein S11

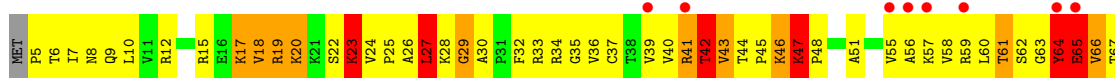




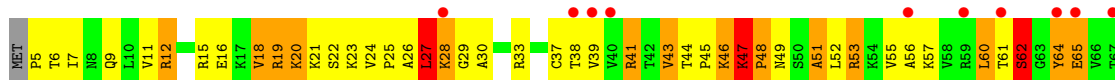
- Molecule 41: 30S ribosomal protein S11



- Molecule 42: 30S ribosomal protein S12



- Molecule 42: 30S ribosomal protein S12

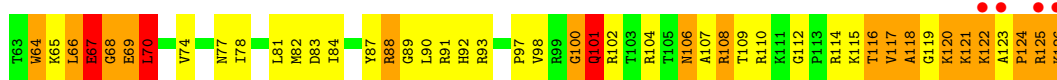
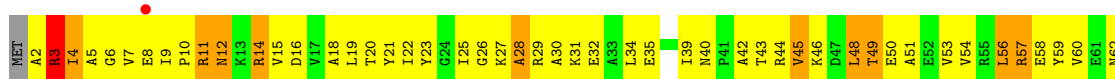


- Molecule 43: 30S ribosomal protein S13

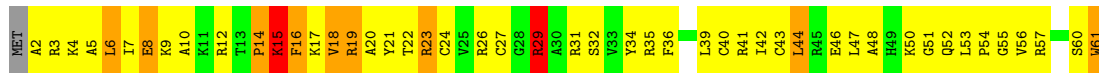


- Molecule 43: 30S ribosomal protein S13

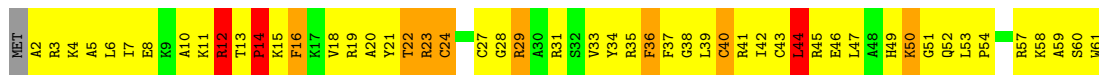




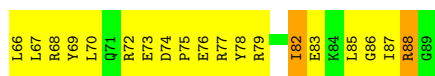
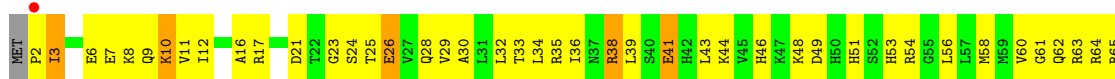
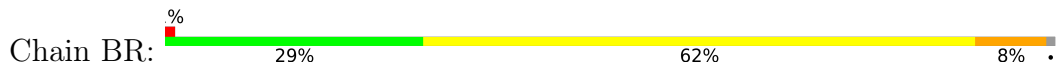
● Molecule 44: 30S ribosomal protein S14 type Z



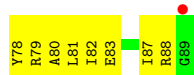
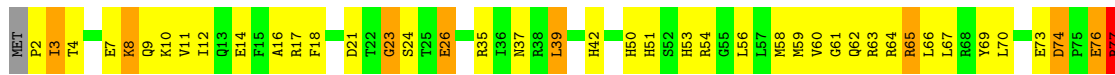
● Molecule 44: 30S ribosomal protein S14 type Z



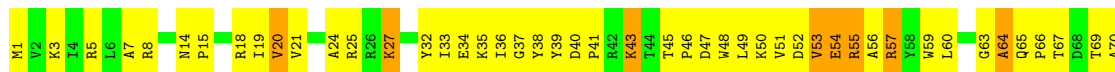
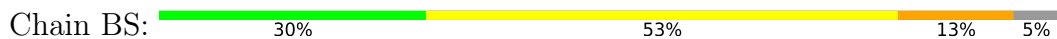
● Molecule 45: 30S ribosomal protein S15

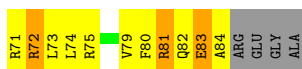


● Molecule 45: 30S ribosomal protein S15

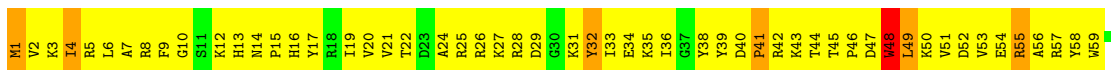
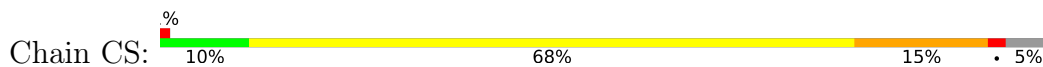


● Molecule 46: 30S ribosomal protein S16





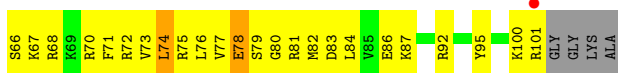
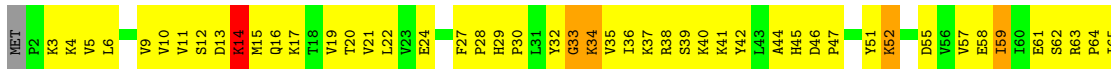
- Molecule 46: 30S ribosomal protein S16



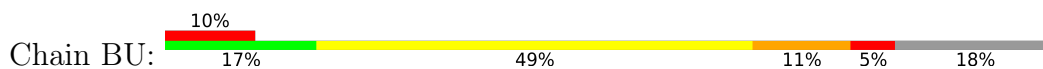
- Molecule 47: 30S ribosomal protein S17



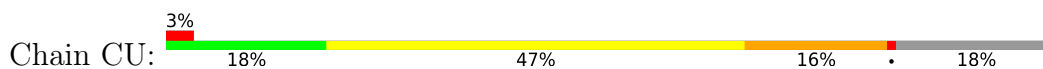
- Molecule 47: 30S ribosomal protein S17

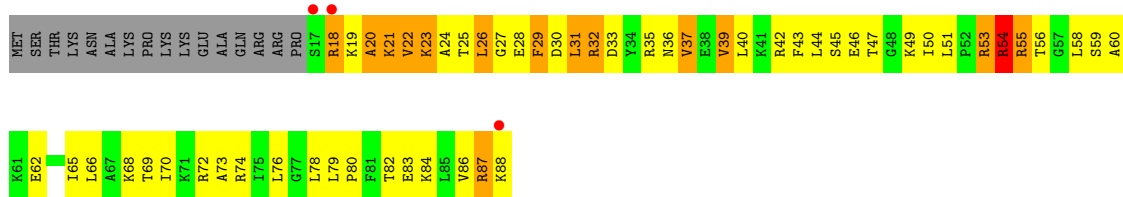


- Molecule 48: 30S ribosomal protein S18

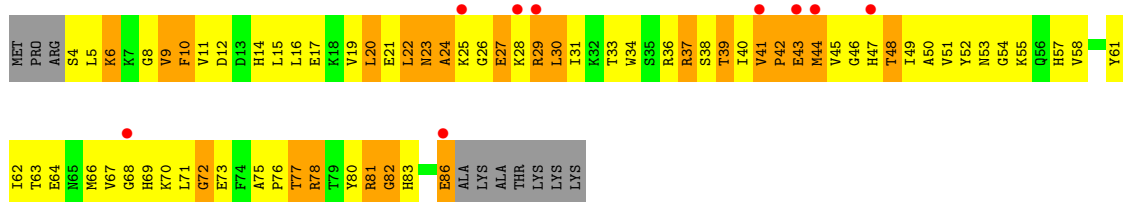
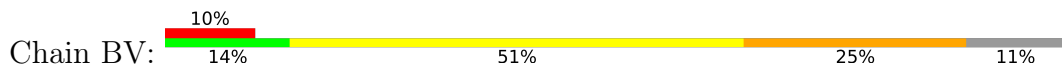


- Molecule 48: 30S ribosomal protein S18

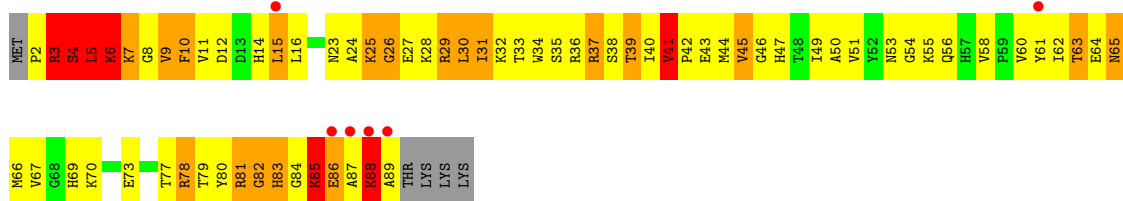
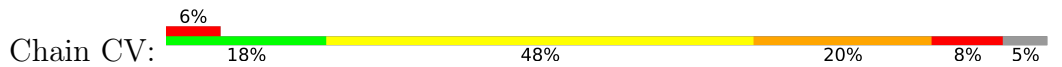




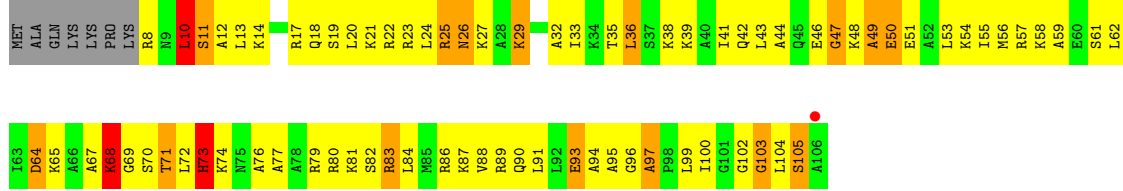
• Molecule 49: 30S ribosomal protein S19



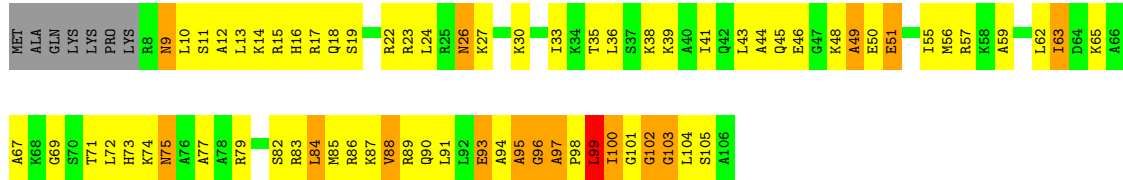
• Molecule 49: 30S ribosomal protein S19



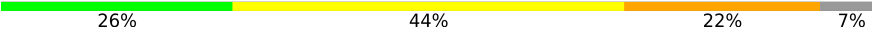
• Molecule 50: 30S ribosomal protein S20

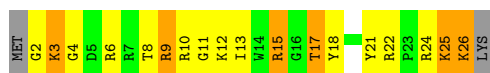


• Molecule 50: 30S ribosomal protein S20



• Molecule 51: 30S ribosomal protein Thx

Chain BX: 



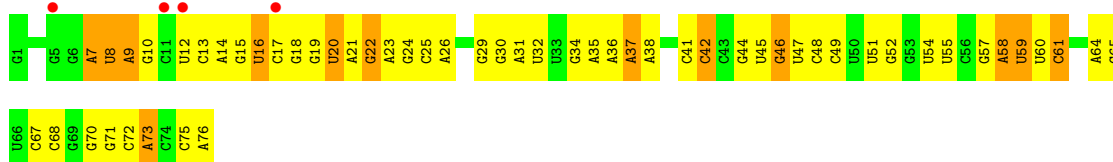
- Molecule 51: 30S ribosomal protein Thx

Chain CX: 



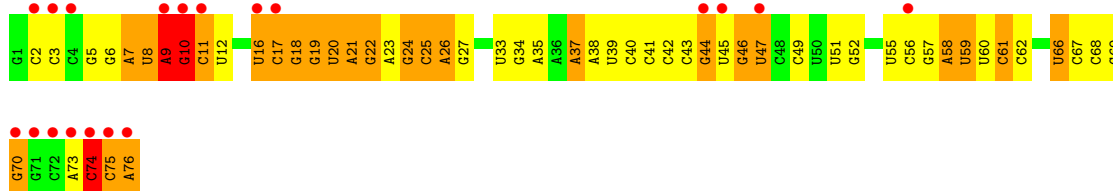
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BD: 



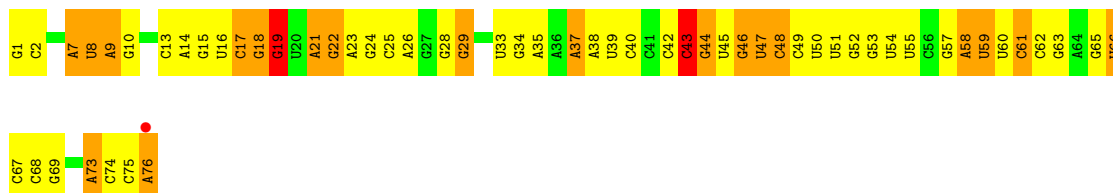
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain BB: 

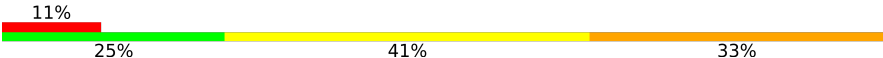


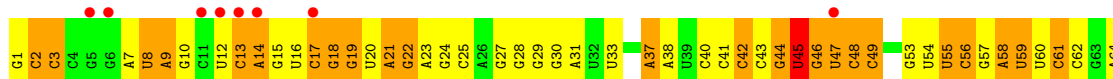
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

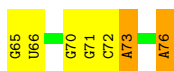
Chain BC: 



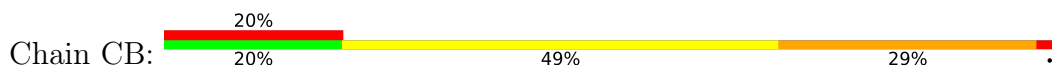
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37

Chain CD: 





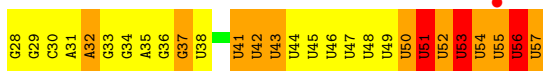
- Molecule 52: TRNA-PHE WITH UNMODIFIED NUCLEOTIDES EXCEPT FOR MIA37



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



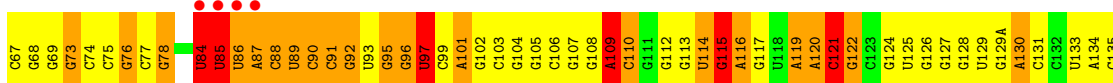
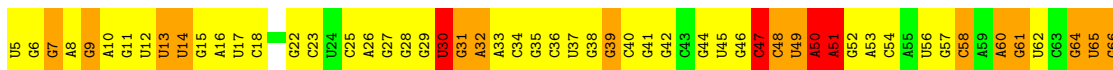
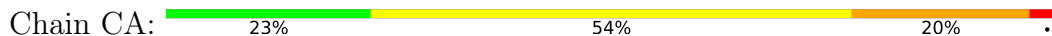
- Molecule 53: MRNA



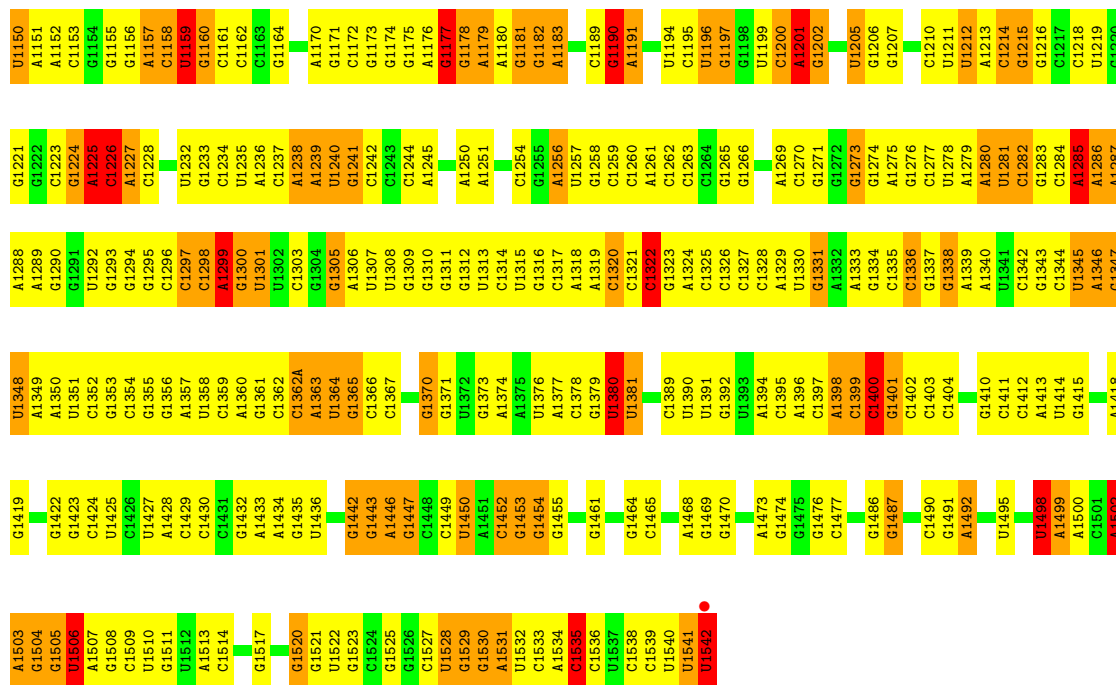
- Molecule 53: MRNA



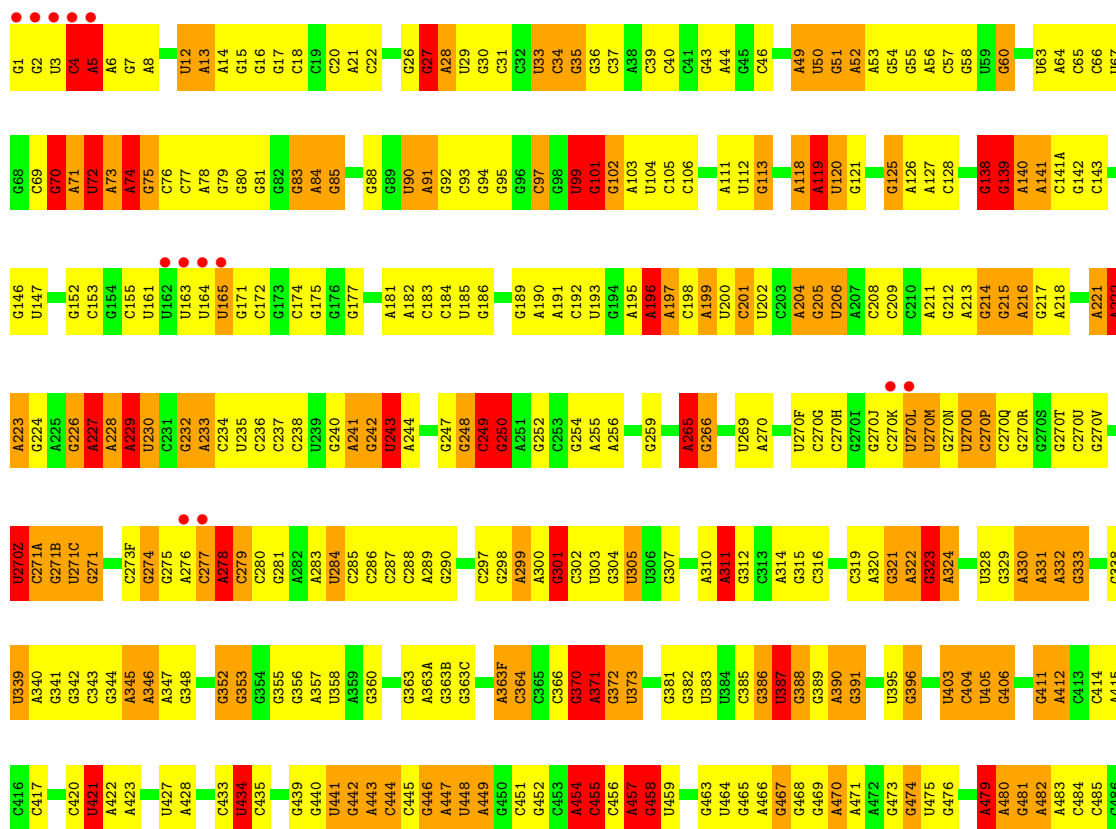
- Molecule 54: 16S ribosomal RNA



U1086	G1024	A959	A889	A815	G742	G680	G617	A547	G481	G407	C341	C268	G191E	C136	
G1087	U1025	U960	G890	A816	U743	C681	C618	6548	A482	A408	C342	C269	U191F	C137	
G1088	G1026	U961	U891	C817	C744	6682	U619	6549	G483	G409	U343	A270	G191	G138	
G1089	C1027	G962	C893	C818	C745	6683	6620	6550	C484	C410	A344	G274	U192	G139	
U1090	G1028	G963	C894	A819	A746	6684	A621	U551	C485	A411	C345	G275	C193	A140	
U1091	C1028A	A964	G894	U820	C747	6685	6622	U552	U486	A142	C346	G276	C194	A141	
A1092	C1028B	A965	G895	C821	C748	U686	C623	A553	A487	C413	G347	C277	A195	G142	
A1093	G1029	G966	C896	G625	C749	6687	C624	6554	C488	A414	G348	G278	A196	A143	
U1094	C1030	G967	A900	G826	G750	6688	6625	6555	C489	C418	G351	C279	A197	G144	
U1095	G1031	A968	A901	C826	U751	6689	6626	6556	G490	C419	C352	G280	G198	G147	
C1096	A1032	A969	G902	U827	G752	6690	6627	6557	C491	C419	A353	G281	G199	G148	
C1097	G1032A	G970	G903	A828	A753	6691	6628	6558	U493	U420	C201	G282	G201	G149	
C1098	G1032B	G971	G904	G829	C754	U692	6629	A559	U494	U421	G206	A283	C201	A149	
G1099	G1033	C972	G905	G830	G755	6693	6630	U560	U495	C422	U209	C283	U209	A152	
C1100	U1034	G973	G906	U831	G756	6694	6631	U561	A496	G423	U209	G302	U210	C153	
A1101	A1035	A974	A907	C832	G758	6695	6632	U562	U497	G424	U210	G301	G216	C154	
C1102	U1036	A975	U911	U833	U759	A696	6633	A563	A498	C425	U358	G289	G216	G157	
C1103	C1037	G976	C912	C834	G760	U697	C634	A564	G500	G426	U359	G290	G216	G158	
G1104	G1038	A977	A913	U835	U761	6698	6635	U565	C501	U427	A363	C291	G220	G157	
A1105	G1039	A978	A914	G836	C764	6699	U636	6566	G502	G428	A364	G292	C221	G158	
G1106	U1040	C979	A915	G837	G765	G700	6637	6567	G503	U429	U365	G293	C221	G159	
G1107	C980	C980	A916	C838	A766	C701	6638	6568	C504	A430	C366	G294	U223	A160	
G1108	A1046	U981	A918	U841	A767	A702	6639	6569	G505	A431	U367	G305	C321	A161	
G1109	G1047	U982	A919	C842	A768	G703	6640	A573	G506	A432	U368	G306	C322	A162	
G1110	U1048	A983	U920	U843	U769	A704	U641	A574	C507	C433	C369	A300	C323	C169	
G1111	G1049	C983	U921	C848	G773	U705	A642	6570	C508	U434	C370	G301	C324	U170	
C1112	U1050	A984	G922	C849	G774	A706	6643	6571	A509	C435	G371	G302	C235	U171	
C1113	C1051	A985	A923	C850	G775	C707	6644	6572	C510	C436	C372	G303	G235	U172	
C1114	U1052	G987	C924	U851	A777	G708	6645	6573	C511	A437	A373	G304	C241	U173	
C1115	G1053	C990	G925	G852	G778	G709	U646	6574	A523	G446	A382	A313	C242	C174	
C1116	U1054	U991	G926	G853	C779	6710	U645	6575	G524	G447	A383	C314	A243	C175	
G1117	G1055	U992	G927	G854	A780	G711	U646	U580	G517	A440	C384	A315	U244	C176	
G1118	A1056	G993	A928	G855	A781	G712	U647	6585	C518	C442	C385	G316	C245	C177	
G1119	U1057	A994	C930	C857	A782	G713	6650	6586	C519	G443	U387	A179	G246	C178	
C1120	C1058	G995	C931	A858	C783	G714	6651	U591	C522	C444	C388	A321	G247	C179	
C1121	U1059	G996	C932	A859	C784	A715	U652	6596	C523	G445	A389	U323	A250	U180	
C1122	C1060	U999	G933	A860	G785	A716	6653	6597	G524	G446	A390	G324	G251	G181	
C1123	G1061	A1000	C934	A863	G786	C717	6654	6598	G525	A448	C386	A322	U253	G182	
C1124	U1062	A1001	A935	U864	U788	G718	6655	6599	C526	C449	U387	A179	U254	G183	
C1125	C1063	G1001	G939	A864	U789	C719	6656	6596	C527	G450	C388	A321	G253	G184	
C1126	U1064	G1002	C940	A865	A790	G720	6657	6597	G528	A451	A389	U323	G254	G185	
C1127	G1065	G1003	G941	A866	G791	A722	U658	6598	C529	A452	C390	G324	G255	C186	
C1128	A1066	A1004	G942	A867	A792	G723	U659	6599	G530	A453	C391	A325	U256	C186A	
C1129	C1067	A1005	U943	G869	U793	U724	6660	6600	U531	C454	G392	A326	G257	C186B	
C1130	G1068	C1006	U944	U870	C795	G725	6661	C601	A532	G455	G393	G326	G258	C186C	
C1131	U1070	C1007	G945	U871	C796	G726	6662	6602	C533	C458	A394	A327	G259	C186D	
C1132	C1071	G1008	G946	A872	A794	G727	6663	A602	U534	G459	A395	G324	G260	G188	
C1133	U1072	G1009	A947	A873	G800	A728	6664	U603	U535	G474	C394	A328	G261	U189	
C1134	G1073	G1010	G948	G874	U801	G729	6665	U604	A536	G475	C395	A329	A262	G190	
C1135	U1074	A1014	A949	G877	A802	A729	6666	6606	C536	G476	A396	C330	G263	G191A	
C1136	G1075	G1015	U950	C878	G803	G730	6671	6607	G537	C466	A397	G332	G264	G191B	
C1137	A1016	A1016	C879	U804	U804	A608	U672	6608	6538	G467	C398	G333	G265	G191C	
C1138	G1017	G1017	C805	C806	C806	C732	6673	6609	A539	A468	C399	G334	G266	U191D	
C1139	U1018	C1018	C807	A807	C807	C736	6674	6610	6540	C474	C400	C335	U188	G188	
C1140	G1019	G1019	C808	C808	C808	U737	6675	6611	G541	G475	C401	A262	G189	U189	
C1141	U1020	U1020	C883	C883	C883	C738	6676	6612	G542	G476	C402	A263	U189	G189	
C1142	G1021	G1021	U812	U812	U812	U739	6677	6613	G543	G477	C403	C337	G190	G190	
C1143	U1022	U1022	U813	U813	U813	U740	6678	6614	G544	A478	C404	A338	G191A	G191A	
C1144	G1023	G1023	A814	A814	A814	G741	6679	6615	C546	C479	C405	A339	G191B	G191B	
C1145															
C1146															
C1147															
C1148															
C1149															

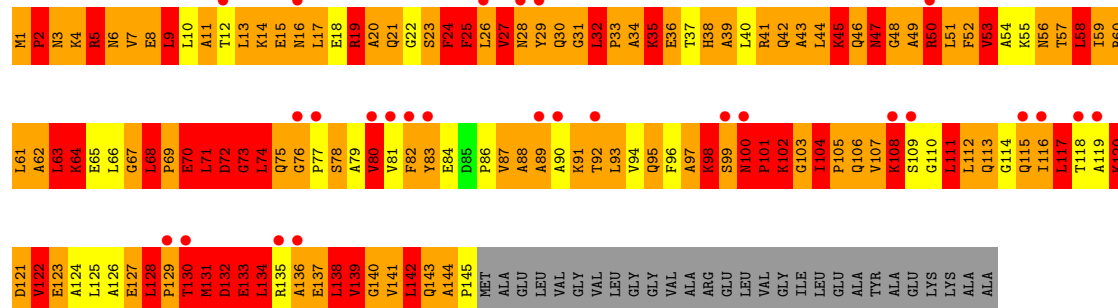


● Molecule 55: 23S rRNA



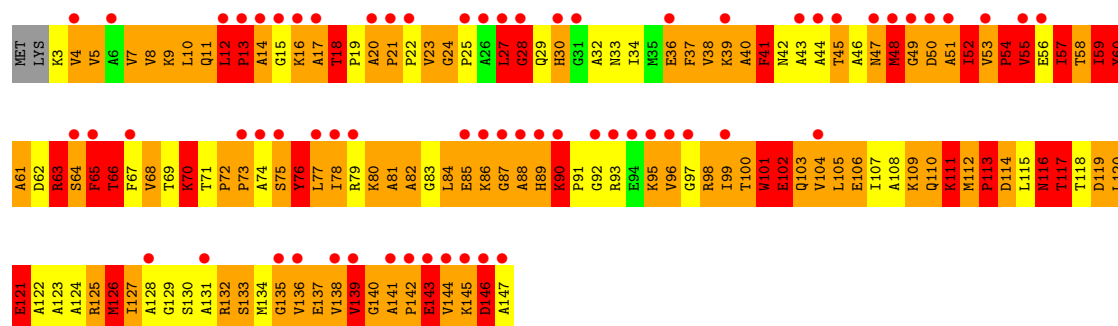
G2436	U2357	G2290	A2135	C2066	A1928	U1851	A1766	G1689	A1634	G1555	G1487
G2439	G2358	U2291	C2136	G2067	G1929	C1852	A1767	A1700	G1635	C1856	G1488
C2440	C2359	C2292	C2140	U2068	U1931	A1853	C1768	A1701	C1636	C1857	U1489
C2441	A2360	C2293	G2141	G2069	U1932	A1854	G1769	U1706	A1637	A1558	A1490
C2442	A2361	U2296	C2142	A2001	G1933	G1855	C1790	G1707	U1638	G1559	G1491
C2443	G2373	C2297	U2143	G2002	C1934	G1858	G1792	C1708	G1640	G1560	G1492
G2444	C2374	A2298	U2144	G2009	G1935	G1862	C1793	U1709	A1641	G1561	C1493
G2447	A2377	G2302	C2145	U2079	U1936	G1863	C1794	C1710	G1642	A1562	A1494
A2448	G2378	G2303	G2146	G2080	A1937	U1864	C1795	C1711	G1643	A1563	A1495
U2449	C2379	C2229	C2147	C2081	A1938	G1865	U1796	G1712	C1644	C1564	A1496
A2450	G2381	G2304	G2148	A2082	U1939	G1866	C1797	U1716	C1645	U1497	U1497
A2451	C2382	U2232	U2149	G2083	U1940	C1870	U1798	G1717	G1646	A1566	C1498
C2452	G2383	U2235	U2150	A2014	C1941	A1871	G1799	G1718	G1647	A1567	U1503
G2453	G2384	G2234	U2151	A2015	U1942	A1872	C1800	G1725	C1648	G1568	C1504
G2454	A2385	C2235	G2152	U2016	U1943	G1878	G1801	G1726	A1649	A1569	C1505
G2455	G2386	G2238	G2153	U2017	U1944	C1879	A1802	U1727	G1650	A1570	C1506
C2456	A2387	U2239	G2154	G2088	G1945	C1880	A1803	G1728	G1651	A1571	A1507
U2457	U2312	G2239	G2155	U2089	U1946	C1881	C1804	A1729	A1652	A1508	A1508
G2458	U2313	C2240	G2156	A2020	C1947	C1882	U1805	U1730	G1653	A1509	A1510
A2459	A2313	A2241	G2157	G2094	G1948	G1883	G1808	G1731	A1654	A1577	A1511
A2460	C2314	G2242	A2158	U2028	G1949	G1884	A1809	A1732	A1655	U1578	A1511
A2461	G2315	G2243	G2159	G2095	U1950	A1885	A1809	G1733	C1656	A1579	G1512
C2462	G2316	U2244	G2160	C2097	U1951	C1886	G1811	C1734	C1657	A1580	C1513
U2462	A2317	U2245	C2161	U2098	A1952	C1887	A1812	G1735	C1658	G1581	U1514
C2463	G2318	G2246	G2162	U2099	A1953	G1888	A1812	G1741	U1659	C1582	C1514
C2464	G2319	A2247	C2163	G2100	G1954	A1889	G1813	C1742	A1660	A1583	C1518
C2465	A2320	C2248	G2164	U2028	U1955	G1892	G1814	G1743	A1661	A1585	G1519
C2466	G2321	U2249	G2165	G2101	U1956	C1893	A1815	G1746	A1662	A1586	U1523
C2467	G2322	G2250	G2166	U2102	G1957	C1894	G1816	G1747	G1666	U1590	G1524
G2468	G2323	G2251	U2167	A2031	G1958	G1895	G1817	G1748	G1667	G1591	G1525
A2469	G2324	G2252	G2168	G2032	C1962	U1898	U1818	A1749	G1668	C1592	G1526
G2470	A2406	A2257	A2169	A2033	U1963	G1899	A1819	G1750	A1669	G1595	G1527
C2471	G2407	U2257	A2170	G2034	G1964	A1900	U1820	C1751	C1670	A1596	A1528
G2472	U2408	C2258	A2171	G2035	U1965	A1901	G1826	G1752	U1671	A1597	A1529
U2473	G2409	G2259	U2172	G2036	A1966	G1902	G1827	U1757	U1672	C1598	G1530
G2474	G2410	U2262	C2174	G2037	G1967	G1903	A1825	G1758	U1673	C1531	C1531
C2475	A2411	U2262	C2175	C2038	G1968	G1904	G1826	A1759	G1674	C1532	C1532
A2476	G2414	A2266	A2176	C2039	A1969	U1905	G1827	U1760	C1675	U1602	C1533
C2477	G2415	A2267	C2177	U2041	U1971	G1906	G1828	A1762	A1676	A1603	G1534
G2478	G2416	A2268	C2178	A2042	A1972	G1907	A1829	G1761	G1677	U1535	U1535
C2480	C2417	A2269	C2179	G2043	G1973	C1908	C1830	G1763	U1678	A1536	A1536
G2481	U2418	G2270	C2179	C2044	C1974	G1909	G1831	G1764	U1679	C1607	C1537
G2482	U2419	G2271	G2182	A2119	C1974	G1910	C1832	U1764	U1680	A1608	C1538
C2483	C2420	U2272	C2183	C2050	A1978	U1911	U1833	C1771	G1681	A1609	G1539
G2484	G2421	A2273	G2184	A2051	C1979	A1912	U1834	G1772	G1682	A1610	G1540
G2485	U2423	A2274	G2186	G2052	G1980	A1913	G1835	U1773	C1683	C1612	G1541
G2486	C2424	C2275	G2187	G2053	A1981	C1914	C1836	C1774	C1684	G1613	U1541
G2487	G2425	G2276	C2188	A2054	C1982	U1915	C1837	U1775	C1686	A1614	G1542
A2488	A2426	G2277	U2189	C2055	C1983	A1916	C1838	G1776	G1687	A1615	A1543
G2489	C2427	G2278	G2190	G2056	A1986	U1917	G1839	U1777	U1688	A1616	C1544
G2490	G2428	G2282	U2197	A2059	A1986	A1918	C1844	U1778	A1689	C1617	A1545
U2491	U2348	C2283	C2127	A2060	G1989	A1919	G1845	U1779	A1690	C1618	A1546
U2492	G2349	C2284	C2128	G2061	C1990	U1923	G1846	A1780	U1693	A1618	C1547
U2493	C2350	A2199	U2130	A2062	U1991	C1924	A1847	C1781	C1694	G1619	C1548
A2494	G2353	C2205	G2131	C2063	U1992	U1925	A1848	C1782	G1695	U1629	C1549
A2495	G2354	G2210	U2132	C2064	U1993	U1926	A1849	A1783	G1696	C1630A	C1550
A2496	G2355	G2211	A2134	C2065	U1994	A1927	G1850	A1785	A1698	A1554	A1554

Chain DY: 16% 16% 43% 24% 16%



• Molecule 58: 50S ribosomal protein L11

Chain DL: 26% 45% 49% 20%



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)	Xtrriage
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	Xtrriage
Anisotropy	0.212	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.27 , 75.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.43$, $\langle L^2 \rangle = 0.25$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
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

Xtrriage'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: ZN, MIA, MG

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

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

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

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

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

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

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

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

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

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

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

There are no chirality outliers.

5 of 395 planarity outliers are listed below:

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

Continued on next page...

Continued from previous page...

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

5.2 Too-close contacts [i](#)

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

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	D1	964	0	1022	144	0
17	A2	779	0	852	210	0
17	D2	779	0	852	148	0
18	AS	900	0	964	97	0
18	DS	900	0	963	89	0
19	AT	725	0	778	92	0
19	DT	725	0	778	78	0
20	AU	785	0	878	217	0
20	DU	785	0	878	171	0
21	AV	1489	0	1515	418	0
21	DV	1582	0	1613	447	0
22	A3	662	0	688	103	0
22	D3	662	0	688	87	0
23	AZ	763	0	848	107	0
23	DZ	763	0	848	92	0
24	AW	581	0	629	125	0
24	DW	581	0	629	76	0
25	AX	469	0	518	62	0
25	DX	469	0	518	46	0
26	A4	581	0	573	181	0
26	D4	581	0	573	174	0
27	A5	459	0	480	62	0
27	D5	459	0	480	81	0
28	A6	389	0	404	119	0
28	D6	389	0	404	126	0
29	A7	430	0	480	49	0
29	D7	430	0	480	35	0
30	A8	517	0	582	153	0
30	D8	517	0	582	103	0
31	BA	32571	0	16441	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

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
38	BK	1116	0	1177	121	0
38	CK	1116	0	1177	164	0
39	BL	1010	0	1037	187	0
39	CL	1010	0	1037	152	0
40	BM	801	0	849	165	0
40	CM	801	0	849	149	0
41	BN	885	0	904	73	0
41	CN	885	0	904	76	0
42	BO	975	0	1062	140	0
42	CO	975	0	1062	138	0
43	BP	964	0	1034	181	0
43	CP	997	0	1072	192	0
44	BQ	492	0	529	84	0
44	CQ	492	0	529	82	0
45	BR	734	0	771	72	0
45	CR	734	0	771	75	0
46	BS	705	0	725	80	0
46	CS	705	0	725	131	0
47	BT	834	0	904	73	0
47	CT	834	0	904	92	0
48	BU	591	0	662	94	0
48	CU	591	0	662	100	0
49	BV	665	0	684	174	0
49	CV	702	0	728	156	0
50	BW	763	0	861	119	0
50	CW	763	0	861	113	0
51	BX	217	0	234	37	0
51	CX	217	0	234	23	0
52	BB	1626	0	832	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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	AD	270/276 (98%)	201 (74%)	45 (17%)	24 (9%)	1	4
3	DD	270/276 (98%)	193 (72%)	61 (23%)	16 (6%)	1	10
4	AE	203/206 (98%)	105 (52%)	48 (24%)	50 (25%)	0	0
4	DE	203/206 (98%)	120 (59%)	36 (18%)	47 (23%)	0	0
5	AF	206/210 (98%)	136 (66%)	41 (20%)	29 (14%)	0	1
5	DF	200/210 (95%)	157 (78%)	29 (14%)	14 (7%)	1	7
6	AG	179/182 (98%)	127 (71%)	36 (20%)	16 (9%)	1	4
6	DG	179/182 (98%)	124 (69%)	30 (17%)	25 (14%)	0	1
7	AH	168/180 (93%)	80 (48%)	51 (30%)	37 (22%)	0	0
7	DH	168/180 (93%)	94 (56%)	43 (26%)	31 (18%)	0	0
8	AK	144/148 (97%)	83 (58%)	34 (24%)	27 (19%)	0	0
8	DK	144/148 (97%)	76 (53%)	41 (28%)	27 (19%)	0	0
9	AM	136/140 (97%)	95 (70%)	25 (18%)	16 (12%)	0	1
9	DM	136/140 (97%)	106 (78%)	16 (12%)	14 (10%)	0	3
10	AN	120/122 (98%)	98 (82%)	17 (14%)	5 (4%)	3	16
10	DN	120/122 (98%)	104 (87%)	12 (10%)	4 (3%)	4	21
11	AO	148/150 (99%)	73 (49%)	30 (20%)	45 (30%)	0	0
11	DO	148/150 (99%)	88 (60%)	27 (18%)	33 (22%)	0	0

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

5 of 1678 Ramachandran outliers are listed below:

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

5.3.2 Protein sidechains [i](#)

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

resolution.

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

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

Continued on next page...

Continued from previous page...

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

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

Mol	Chain	Res	Type
4	DE	202	LYS
58	DL	100	THR
6	DG	16	ARG
4	DE	197	ILE
57	DY	1	MET

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

Mol	Chain	Res	Type
5	DF	69	HIS
17	D2	11	GLN
6	DG	58	GLN
9	DM	131	GLN
22	D3	29	GLN

5.3.3 RNA [i](#)

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

Continued on next page...

Continued from previous page...

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

5 of 2430 RNA backbone outliers are listed below:

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

5 of 1016 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
52	BB	58	A
55	DA	1786	A
54	CA	993	G
55	DA	1694	C
55	DA	2296	U

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

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	CB	37	52	24,31,32	1.78	3 (12%)	26,44,47	3.35	5 (19%)
52	MIA	BD	37	52	24,31,32	2.00	4 (16%)	26,44,47	3.09	6 (23%)
52	MIA	BB	37	52	24,31,32	1.86	4 (16%)	26,44,47	3.09	6 (23%)
52	MIA	BC	37	52	24,31,32	1.63	2 (8%)	26,44,47	2.81	6 (23%)
52	MIA	CD	37	52	24,31,32	1.94	4 (16%)	26,44,47	2.84	6 (23%)
52	MIA	CC	37	52	24,31,32	1.89	4 (16%)	26,44,47	2.81	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	CB	37	52	-	4/11/33/34	0/3/3/3
52	MIA	BD	37	52	-	2/11/33/34	0/3/3/3
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	CD	37	52	-	4/11/33/34	0/3/3/3
52	MIA	CC	37	52	-	0/11/33/34	0/3/3/3

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

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

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

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

There are no chirality outliers.

5 of 14 torsion outliers are listed below:

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

There are no ring outliers.

6 monomers are involved in 25 short contacts:

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

5.5 Carbohydrates [i](#)

There are no monosaccharides 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 [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	AA	2909/2909 (100%)	-0.16	74 (2%) 57 34	24, 64, 192, 200	0
2	AB	122/122 (100%)	-0.26	2 (1%) 72 51	71, 95, 122, 159	0
2	DB	122/122 (100%)	-0.36	1 (0%) 86 72	43, 62, 79, 132	0
3	AD	272/276 (98%)	0.24	4 (1%) 73 54	29, 49, 71, 94	0
3	DD	272/276 (98%)	0.00	2 (0%) 87 75	15, 35, 58, 78	0
4	AE	205/206 (99%)	1.02	40 (19%) 1 0	41, 77, 115, 121	0
4	DE	205/206 (99%)	0.37	9 (4%) 34 17	16, 49, 92, 103	0
5	AF	208/210 (99%)	0.40	16 (7%) 13 5	33, 67, 130, 143	0
5	DF	202/210 (96%)	-0.20	1 (0%) 91 81	10, 43, 77, 88	0
6	AG	181/182 (99%)	1.04	35 (19%) 1 0	86, 105, 124, 138	0
6	DG	181/182 (99%)	0.20	6 (3%) 46 24	55, 70, 98, 109	0
7	AH	170/180 (94%)	2.75	92 (54%) 0 0	124, 158, 180, 187	0
7	DH	170/180 (94%)	0.34	7 (4%) 37 18	48, 84, 96, 100	0
8	AK	146/148 (98%)	0.47	11 (7%) 14 5	58, 93, 117, 128	0
8	DK	146/148 (98%)	0.61	13 (8%) 9 3	46, 93, 108, 114	0
9	AM	138/140 (98%)	1.36	31 (22%) 0 0	59, 83, 108, 111	0
9	DM	138/140 (98%)	-0.03	2 (1%) 75 56	31, 48, 85, 96	0
10	AN	122/122 (100%)	1.07	19 (15%) 2 1	42, 68, 81, 87	0
10	DN	122/122 (100%)	0.19	1 (0%) 86 72	24, 44, 58, 66	0
11	AO	150/150 (100%)	0.32	7 (4%) 31 15	43, 83, 109, 137	0
11	DO	150/150 (100%)	0.04	4 (2%) 54 31	23, 54, 87, 117	0
12	AP	141/141 (100%)	1.40	35 (24%) 0 0	49, 84, 112, 122	0
12	DP	141/141 (100%)	-0.03	3 (2%) 63 43	28, 48, 77, 95	0
13	A0	117/118 (99%)	-0.06	0 100 100	41, 60, 80, 91	0

Continued on next page...

Continued from previous page...

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, 78	0
14	AQ	111/112 (99%)	0.10	4 (3%) 42 22	71, 97, 127, 137	0
14	DQ	111/112 (99%)	0.28	8 (7%) 15 6	44, 63, 84, 97	0
15	AR	137/146 (93%)	0.09	6 (4%) 34 17	57, 77, 123, 139	0
15	DR	137/146 (93%)	0.28	5 (3%) 42 22	38, 59, 103, 134	0
16	A1	117/118 (99%)	1.06	20 (17%) 1 0	42, 76, 109, 122	0
16	D1	117/118 (99%)	-0.34	2 (1%) 70 49	25, 39, 64, 101	0
17	A2	101/101 (100%)	1.46	34 (33%) 0 0	41, 94, 110, 113	0
17	D2	101/101 (100%)	-0.09	3 (2%) 50 27	18, 60, 77, 83	0
18	AS	113/113 (100%)	0.40	3 (2%) 54 31	39, 57, 84, 106	0
18	DS	113/113 (100%)	-0.35	1 (0%) 84 69	28, 40, 64, 109	0
19	AT	92/96 (95%)	0.19	3 (3%) 46 24	45, 62, 86, 90	0
19	DT	92/96 (95%)	-0.34	0 100 100	24, 41, 60, 65	0
20	AU	102/110 (92%)	1.09	17 (16%) 1 1	58, 83, 144, 149	0
20	DU	102/110 (92%)	-0.07	5 (4%) 29 14	44, 71, 114, 123	0
21	AV	187/206 (90%)	2.65	106 (56%) 0 0	96, 128, 171, 184	0
21	DV	200/206 (97%)	0.92	36 (18%) 1 0	48, 97, 155, 163	0
22	A3	84/85 (98%)	0.24	6 (7%) 16 6	52, 71, 99, 110	0
22	D3	84/85 (98%)	-0.11	3 (3%) 42 22	25, 44, 80, 96	0
23	AZ	97/98 (98%)	0.49	9 (9%) 8 3	39, 61, 102, 111	0
23	DZ	97/98 (98%)	0.33	4 (4%) 37 18	23, 50, 98, 120	0
24	AW	69/72 (95%)	0.09	3 (4%) 35 17	48, 71, 115, 141	0
24	DW	69/72 (95%)	-0.17	1 (1%) 75 56	29, 53, 84, 104	0
25	AX	59/60 (98%)	1.49	14 (23%) 0 0	60, 81, 101, 112	0
25	DX	59/60 (98%)	-0.14	1 (1%) 70 49	32, 50, 73, 89	0
26	A4	71/71 (100%)	3.13	49 (69%) 0 0	126, 151, 157, 158	0
26	D4	71/71 (100%)	1.10	13 (18%) 1 0	95, 125, 138, 143	0
27	A5	59/60 (98%)	0.78	8 (13%) 3 1	45, 65, 140, 145	0
27	D5	59/60 (98%)	0.53	10 (16%) 1 0	19, 57, 159, 165	0
28	A6	45/54 (83%)	1.86	18 (40%) 0 0	126, 140, 154, 156	0
28	D6	45/54 (83%)	3.82	33 (73%) 0 0	86, 120, 140, 143	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
29	A7	49/49 (100%)	0.11	2 (4%) 37 18	30, 40, 98, 125	0
29	D7	49/49 (100%)	-0.30	2 (4%) 37 18	16, 25, 82, 109	0
30	A8	64/65 (98%)	0.44	3 (4%) 31 15	45, 64, 95, 120	0
30	D8	64/65 (98%)	-0.11	0 100 100	25, 39, 55, 98	0
31	BA	1516/1516 (100%)	-0.51	8 (0%) 91 81	32, 82, 155, 200	0
32	BE	237/256 (92%)	0.44	21 (8%) 9 3	83, 120, 159, 171	0
32	CE	237/256 (92%)	0.31	15 (6%) 20 8	65, 104, 144, 155	0
33	BF	206/239 (86%)	0.52	18 (8%) 10 4	82, 108, 137, 147	0
33	CF	205/239 (85%)	0.85	29 (14%) 2 1	54, 85, 115, 122	0
34	BG	208/209 (99%)	0.02	4 (1%) 66 46	57, 76, 93, 103	0
34	CG	208/209 (99%)	0.20	5 (2%) 59 37	62, 80, 99, 104	0
35	BH	151/162 (93%)	-0.21	1 (0%) 87 75	68, 82, 104, 117	0
35	CH	151/162 (93%)	-0.02	1 (0%) 87 75	49, 69, 99, 114	0
36	BI	101/101 (100%)	0.68	11 (10%) 5 2	55, 73, 90, 109	0
36	CI	101/101 (100%)	0.25	1 (0%) 82 67	47, 73, 83, 109	0
37	BJ	155/156 (99%)	0.48	7 (4%) 33 16	69, 93, 115, 124	0
37	CJ	155/156 (99%)	0.19	9 (5%) 23 10	59, 85, 104, 117	0
38	BK	138/138 (100%)	-0.34	0 100 100	73, 85, 101, 109	0
38	CK	138/138 (100%)	-0.33	0 100 100	56, 74, 86, 89	0
39	BL	127/128 (99%)	-0.20	4 (3%) 49 26	81, 114, 130, 141	0
39	CL	127/128 (99%)	-0.29	1 (0%) 86 72	58, 105, 125, 134	0
40	BM	99/105 (94%)	-0.30	2 (2%) 65 44	87, 121, 137, 139	0
40	CM	99/105 (94%)	0.31	7 (7%) 16 6	57, 106, 131, 133	0
41	BN	119/129 (92%)	1.11	25 (21%) 1 0	54, 77, 104, 125	0
41	CN	119/129 (92%)	0.85	15 (12%) 3 1	50, 70, 102, 120	0
42	BO	125/132 (94%)	0.70	12 (9%) 8 2	54, 74, 91, 124	0
42	CO	125/132 (94%)	0.51	13 (10%) 6 2	38, 51, 79, 111	0
43	BP	121/126 (96%)	0.47	13 (10%) 6 2	82, 118, 131, 135	0
43	CP	125/126 (99%)	-0.02	5 (4%) 38 19	57, 92, 111, 123	0
44	BQ	60/61 (98%)	-0.21	0 100 100	78, 99, 117, 122	0
44	CQ	60/61 (98%)	-0.30	0 100 100	65, 76, 88, 99	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
45	BR	88/89 (98%)	-0.05	1 (1%) 80 64	52, 74, 102, 112	0
45	CR	88/89 (98%)	-0.14	1 (1%) 80 64	43, 65, 93, 95	0
46	BS	84/88 (95%)	-0.66	0 100 100	57, 71, 92, 113	0
46	CS	84/88 (95%)	-0.65	1 (1%) 79 61	53, 78, 103, 128	0
47	BT	100/105 (95%)	-0.06	3 (3%) 50 27	60, 80, 106, 128	0
47	CT	100/105 (95%)	-0.31	1 (1%) 82 67	56, 77, 94, 110	0
48	BU	72/88 (81%)	0.64	9 (12%) 3 1	59, 75, 115, 121	0
48	CU	72/88 (81%)	0.45	3 (4%) 36 18	56, 68, 105, 117	0
49	BV	83/93 (89%)	0.50	9 (10%) 5 2	112, 124, 144, 151	0
49	CV	88/93 (94%)	0.28	6 (6%) 17 7	80, 98, 123, 141	0
50	BW	99/106 (93%)	-0.44	1 (1%) 82 67	61, 88, 128, 132	0
50	CW	99/106 (93%)	-0.45	0 100 100	60, 85, 120, 124	0
51	BX	25/27 (92%)	-0.44	0 100 100	92, 114, 122, 125	0
51	CX	25/27 (92%)	-0.53	0 100 100	84, 93, 110, 118	0
52	BB	75/76 (98%)	1.15	19 (25%) 0 0	82, 170, 186, 188	0
52	BC	75/76 (98%)	-0.06	1 (1%) 77 59	52, 85, 121, 139	0
52	BD	75/76 (98%)	0.22	4 (5%) 26 12	60, 156, 184, 192	0
52	CB	75/76 (98%)	1.08	15 (20%) 1 0	49, 148, 176, 180	0
52	CC	75/76 (98%)	0.04	2 (2%) 54 31	33, 67, 101, 114	0
52	CD	75/76 (98%)	0.60	8 (10%) 6 2	45, 151, 177, 181	0
53	B1	30/30 (100%)	0.17	1 (3%) 46 24	67, 153, 197, 198	0
53	C1	30/30 (100%)	1.00	6 (20%) 1 0	45, 141, 192, 194	0
54	CA	1515/1515 (100%)	-0.42	7 (0%) 91 81	27, 72, 153, 200	0
55	DA	2912/2912 (100%)	-0.15	53 (1%) 68 47	11, 42, 174, 200	0
56	DI	30/125 (24%)	1.40	6 (20%) 1 0	121, 127, 132, 143	0
56	DJ	30/125 (24%)	1.41	7 (23%) 0 0	124, 129, 137, 138	0
57	DY	145/173 (83%)	0.83	27 (18%) 1 0	132, 157, 169, 177	0
58	DL	145/147 (98%)	2.11	66 (45%) 0 0	128, 199, 200, 200	0
All	All	21582/22236 (97%)	0.13	1331 (6%) 20 9	10, 73, 158, 200	0

The worst 5 of 1331 RSRZ outliers are listed below:

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

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

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

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

6.3 Carbohydrates [i](#)

There are no monosaccharides 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	AW	101	1/1	0.18	0.64	97,97,97,97	0
59	MG	BA	1857	1/1	0.18	0.27	122,122,122,122	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

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å 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	AA	3402	1/1	0.30	0.17	66,66,66,66	0
59	MG	AA	3073	1/1	0.30	0.34	71,71,71,71	0
59	MG	CA	2062	1/1	0.30	0.28	85,85,85,85	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	BA	1724	1/1	0.34	0.34	100,100,100,100	0
59	MG	CB	114	1/1	0.34	0.16	71,71,71,71	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	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	DA	4733	1/1	0.37	0.30	84,84,84,84	0
59	MG	BD	111	1/1	0.38	0.15	74,74,74,74	0
59	MG	AA	4042	1/1	0.38	0.19	88,88,88,88	0
59	MG	DA	4129	1/1	0.39	0.09	109,109,109,109	0
59	MG	CA	1887	1/1	0.39	0.32	92,92,92,92	0
59	MG	DA	4698	1/1	0.39	0.82	104,104,104,104	0
59	MG	BA	2187	1/1	0.39	0.24	107,107,107,107	0
59	MG	CA	2241	1/1	0.40	0.23	98,98,98,98	0
59	MG	CA	1970	1/1	0.40	0.21	100,100,100,100	0
59	MG	BA	1828	1/1	0.41	0.46	114,114,114,114	0
59	MG	DA	4433	1/1	0.41	0.17	90,90,90,90	0
59	MG	AA	4133	1/1	0.41	0.50	127,127,127,127	0
59	MG	DA	3757	1/1	0.41	0.89	128,128,128,128	0
59	MG	BE	305	1/1	0.41	0.21	95,95,95,95	0
59	MG	DV	301	1/1	0.41	0.38	108,108,108,108	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	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	1917	1/1	0.43	0.17	64,64,64,64	0
59	MG	CA	2304	1/1	0.44	0.57	124,124,124,124	0
59	MG	BA	2275	1/1	0.44	0.17	145,145,145,145	0
59	MG	CA	2122	1/1	0.45	0.26	123,123,123,123	0
59	MG	DA	3367	1/1	0.45	0.63	91,91,91,91	0
59	MG	DA	4572	1/1	0.45	1.39	76,76,76,76	0
59	MG	DA	3573	1/1	0.45	0.17	84,84,84,84	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3423	1/1	0.45	0.48	99,99,99,99	0
59	MG	AA	3376	1/1	0.45	0.31	116,116,116,116	0
59	MG	AB	209	1/1	0.45	0.17	104,104,104,104	0
59	MG	CB	116	1/1	0.45	0.23	89,89,89,89	0
59	MG	CA	1946	1/1	0.46	0.45	112,112,112,112	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	AA	3848	1/1	0.46	0.23	90,90,90,90	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	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	DA	4535	1/1	0.47	0.38	89,89,89,89	0
59	MG	AQ	205	1/1	0.47	0.48	94,94,94,94	0
59	MG	DA	3628	1/1	0.48	0.35	92,92,92,92	0
59	MG	DA	4951	1/1	0.48	0.34	102,102,102,102	0
59	MG	AA	3781	1/1	0.48	0.15	104,104,104,104	0
59	MG	DA	5015	1/1	0.48	0.58	102,102,102,102	0
59	MG	CA	2019	1/1	0.48	0.24	68,68,68,68	0
59	MG	CA	2121	1/1	0.49	0.26	125,125,125,125	0
59	MG	AA	3942	1/1	0.49	0.25	85,85,85,85	0
59	MG	BB	106	1/1	0.49	0.40	116,116,116,116	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	CA	2167	1/1	0.50	0.22	97,97,97,97	0
59	MG	AA	3903	1/1	0.50	0.19	95,95,95,95	0
59	MG	AA	3442	1/1	0.50	0.08	128,128,128,128	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	CT	202	1/1	0.50	0.23	85,85,85,85	0
59	MG	CD	126	1/1	0.51	0.20	88,88,88,88	0
59	MG	DA	4871	1/1	0.51	0.32	86,86,86,86	0
59	MG	DA	3678	1/1	0.51	0.49	123,123,123,123	0
59	MG	CS	106	1/1	0.51	0.33	77,77,77,77	0
59	MG	BA	2149	1/1	0.51	0.17	82,82,82,82	0
59	MG	DB	209	1/1	0.51	0.57	77,77,77,77	0
59	MG	DA	4783	1/1	0.51	0.38	93,93,93,93	0
59	MG	BC	116	1/1	0.52	0.20	107,107,107,107	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4115	1/1	0.52	0.35	81,81,81,81	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	DA	4927	1/1	0.52	0.21	160,160,160,160	0
59	MG	AA	3852	1/1	0.52	0.42	67,67,67,67	0
59	MG	CA	2236	1/1	0.52	0.29	104,104,104,104	0
59	MG	BA	2215	1/1	0.52	0.24	79,79,79,79	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	CA	2295	1/1	0.52	0.19	110,110,110,110	0
59	MG	BA	1858	1/1	0.53	0.34	141,141,141,141	0
59	MG	DA	4007	1/1	0.53	0.14	110,110,110,110	0
59	MG	DA	3418	1/1	0.53	0.23	60,60,60,60	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	2043	1/1	0.53	0.17	109,109,109,109	0
59	MG	AA	3361	1/1	0.53	0.19	93,93,93,93	0
59	MG	DA	4593	1/1	0.53	0.28	65,65,65,65	0
59	MG	DA	5042	1/1	0.53	0.39	106,106,106,106	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	AA	3113	1/1	0.53	0.21	85,85,85,85	0
59	MG	DA	4973	1/1	0.54	0.51	115,115,115,115	0
59	MG	BA	1985	1/1	0.54	0.16	105,105,105,105	0
59	MG	AA	4137	1/1	0.54	0.26	90,90,90,90	0
59	MG	BA	2099	1/1	0.54	0.13	67,67,67,67	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	CA	2269	1/1	0.54	0.17	71,71,71,71	0
59	MG	BA	2213	1/1	0.54	0.47	114,114,114,114	0
59	MG	AA	3828	1/1	0.55	0.34	113,113,113,113	0
59	MG	BA	1788	1/1	0.55	0.18	53,53,53,53	0
59	MG	BA	2097	1/1	0.55	0.31	94,94,94,94	0
59	MG	BA	1644	1/1	0.55	0.39	102,102,102,102	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	D0	203	1/1	0.55	0.57	97,97,97,97	0
59	MG	AA	3819	1/1	0.55	0.26	94,94,94,94	0
59	MG	CD	104	1/1	0.56	0.41	74,74,74,74	0
59	MG	AA	3567	1/1	0.56	0.18	82,82,82,82	0
59	MG	CD	129	1/1	0.56	0.25	95,95,95,95	0
59	MG	DA	4716	1/1	0.56	0.10	77,77,77,77	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2132	1/1	0.56	0.16	80,80,80,80	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	5077	1/1	0.56	0.47	102,102,102,102	0
59	MG	BA	1840	1/1	0.56	0.14	156,156,156,156	0
59	MG	DB	269	1/1	0.56	0.44	91,91,91,91	0
59	MG	DA	4905	1/1	0.56	0.27	90,90,90,90	0
59	MG	AA	4019	1/1	0.56	0.39	99,99,99,99	0
59	MG	AA	3408	1/1	0.57	0.29	61,61,61,61	0
59	MG	AA	3869	1/1	0.57	0.27	68,68,68,68	0
59	MG	AA	3872	1/1	0.57	0.36	90,90,90,90	0
59	MG	AA	3059	1/1	0.57	0.23	68,68,68,68	0
59	MG	DA	4952	1/1	0.57	0.39	86,86,86,86	0
59	MG	CA	2076	1/1	0.57	0.26	113,113,113,113	0
59	MG	BA	1956	1/1	0.57	0.59	111,111,111,111	0
59	MG	AA	3894	1/1	0.57	0.32	86,86,86,86	0
59	MG	BA	2170	1/1	0.58	0.38	151,151,151,151	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	DA	3598	1/1	0.58	0.47	116,116,116,116	0
59	MG	CA	2284	1/1	0.58	0.15	85,85,85,85	0
59	MG	BA	2258	1/1	0.58	0.16	77,77,77,77	0
59	MG	BA	1804	1/1	0.58	0.09	105,105,105,105	0
59	MG	CA	1848	1/1	0.58	0.28	100,100,100,100	0
59	MG	BA	1899	1/1	0.58	0.14	57,57,57,57	0
59	MG	AA	4009	1/1	0.58	0.17	99,99,99,99	0
59	MG	DA	4136	1/1	0.59	0.29	47,47,47,47	0
59	MG	AQ	204	1/1	0.59	0.13	80,80,80,80	0
59	MG	BB	111	1/1	0.59	0.09	90,90,90,90	0
59	MG	BA	2167	1/1	0.59	0.18	101,101,101,101	0
59	MG	AA	3305	1/1	0.59	0.18	47,47,47,47	0
59	MG	BA	1756	1/1	0.59	0.16	69,69,69,69	0
59	MG	BA	2112	1/1	0.59	0.25	101,101,101,101	0
59	MG	DA	3955	1/1	0.59	0.37	120,120,120,120	0
59	MG	CA	1717	1/1	0.59	0.21	67,67,67,67	0
59	MG	DA	4728	1/1	0.59	0.47	86,86,86,86	0
59	MG	BA	2052	1/1	0.59	0.14	128,128,128,128	0
59	MG	DA	4045	1/1	0.59	0.09	134,134,134,134	0
59	MG	AA	3807	1/1	0.59	0.17	87,87,87,87	0
59	MG	DA	4842	1/1	0.59	0.29	65,65,65,65	0
59	MG	CD	125	1/1	0.59	0.31	88,88,88,88	0
59	MG	BA	1931	1/1	0.60	0.22	68,68,68,68	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4490	1/1	0.60	0.07	125,125,125,125	0
59	MG	AA	4070	1/1	0.60	0.18	60,60,60,60	0
59	MG	DA	4949	1/1	0.60	0.15	71,71,71,71	0
59	MG	CC	105	1/1	0.60	0.24	71,71,71,71	0
59	MG	CA	1921	1/1	0.60	0.24	52,52,52,52	0
59	MG	DA	3375	1/1	0.60	0.37	64,64,64,64	0
59	MG	DA	3984	1/1	0.60	0.40	117,117,117,117	0
59	MG	DA	4672	1/1	0.60	0.36	95,95,95,95	0
59	MG	BA	2230	1/1	0.60	0.28	111,111,111,111	0
59	MG	BA	2247	1/1	0.60	0.23	82,82,82,82	0
59	MG	DA	3535	1/1	0.60	0.24	69,69,69,69	0
59	MG	CA	1774	1/1	0.60	0.17	78,78,78,78	0
59	MG	DA	4779	1/1	0.60	0.52	92,92,92,92	0
59	MG	CA	1676	1/1	0.60	0.22	89,89,89,89	0
59	MG	DF	320	1/1	0.60	0.24	58,58,58,58	0
59	MG	BA	2137	1/1	0.60	0.12	119,119,119,119	0
59	MG	DA	4321	1/1	0.60	0.28	70,70,70,70	0
59	MG	AA	3898	1/1	0.61	0.45	112,112,112,112	0
59	MG	AA	3998	1/1	0.61	0.23	86,86,86,86	0
59	MG	AB	226	1/1	0.61	0.14	88,88,88,88	0
59	MG	AB	233	1/1	0.61	0.22	86,86,86,86	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	CA	1994	1/1	0.61	0.30	94,94,94,94	0
59	MG	BA	2115	1/1	0.61	0.27	118,118,118,118	0
59	MG	AA	3570	1/1	0.61	0.22	78,78,78,78	0
59	MG	AA	4107	1/1	0.61	0.49	98,98,98,98	0
59	MG	CA	2114	1/1	0.61	0.34	111,111,111,111	0
59	MG	AA	3591	1/1	0.61	0.22	106,106,106,106	0
59	MG	DA	5054	1/1	0.61	0.71	67,67,67,67	0
59	MG	BD	102	1/1	0.61	0.24	84,84,84,84	0
59	MG	BA	1817	1/1	0.61	0.15	63,63,63,63	0
59	MG	DA	3904	1/1	0.61	0.14	105,105,105,105	0
59	MG	AA	4041	1/1	0.61	0.28	101,101,101,101	0
59	MG	CB	108	1/1	0.61	0.19	87,87,87,87	0
59	MG	AA	3922	1/1	0.61	0.46	65,65,65,65	0
59	MG	BA	1663	1/1	0.61	0.16	94,94,94,94	0
59	MG	DA	4803	1/1	0.61	0.29	82,82,82,82	0
59	MG	DA	4701	1/1	0.62	0.30	64,64,64,64	0
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	AB	229	1/1	0.62	0.14	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2010	1/1	0.62	0.17	61,61,61,61	0
59	MG	AA	3403	1/1	0.62	0.23	60,60,60,60	0
59	MG	BA	2036	1/1	0.62	0.27	86,86,86,86	0
59	MG	CA	2253	1/1	0.62	0.30	85,85,85,85	0
59	MG	CA	2263	1/1	0.62	0.39	98,98,98,98	0
59	MG	BA	2037	1/1	0.62	0.12	132,132,132,132	0
59	MG	BA	1696	1/1	0.62	0.17	73,73,73,73	0
59	MG	DB	276	1/1	0.62	0.21	66,66,66,66	0
59	MG	BA	1772	1/1	0.62	0.40	75,75,75,75	0
59	MG	DA	4681	1/1	0.62	0.43	118,118,118,118	0
59	MG	DU	211	1/1	0.62	0.26	116,116,116,116	0
59	MG	CB	107	1/1	0.62	0.24	106,106,106,106	0
59	MG	CK	207	1/1	0.63	0.30	80,80,80,80	0
59	MG	AA	3118	1/1	0.63	0.13	52,52,52,52	0
59	MG	BF	301	1/1	0.63	0.17	104,104,104,104	0
59	MG	AA	4128	1/1	0.63	0.18	116,116,116,116	0
59	MG	CD	118	1/1	0.63	0.50	97,97,97,97	0
59	MG	DA	3773	1/1	0.63	0.23	70,70,70,70	0
59	MG	DA	3793	1/1	0.63	0.27	81,81,81,81	0
59	MG	AA	3565	1/1	0.63	0.36	89,89,89,89	0
59	MG	BA	2243	1/1	0.63	0.55	114,114,114,114	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	BA	2212	1/1	0.63	0.21	91,91,91,91	0
59	MG	CE	305	1/1	0.63	0.27	95,95,95,95	0
59	MG	DA	4082	1/1	0.63	0.56	75,75,75,75	0
59	MG	DA	4700	1/1	0.63	0.26	75,75,75,75	0
59	MG	AA	3447	1/1	0.64	0.17	71,71,71,71	0
59	MG	AA	3824	1/1	0.64	0.21	94,94,94,94	0
59	MG	CA	1799	1/1	0.64	0.19	85,85,85,85	0
59	MG	BA	1988	1/1	0.64	0.40	95,95,95,95	0
59	MG	AA	3160	1/1	0.64	0.21	64,64,64,64	0
59	MG	DA	4338	1/1	0.64	0.46	80,80,80,80	0
59	MG	CT	201	1/1	0.64	0.23	99,99,99,99	0
59	MG	DA	4746	1/1	0.64	0.18	98,98,98,98	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	CA	2057	1/1	0.64	0.15	111,111,111,111	0
59	MG	CA	1684	1/1	0.64	0.26	103,103,103,103	0
59	MG	DA	4809	1/1	0.64	0.47	59,59,59,59	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

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3174	1/1	0.64	0.26	63,63,63,63	0
59	MG	DA	4657	1/1	0.64	0.24	58,58,58,58	0
59	MG	BA	2042	1/1	0.64	0.09	95,95,95,95	0
60	ZN	A4	101	1/1	0.64	0.59	200,200,200,200	0
59	MG	DA	3503	1/1	0.65	0.20	71,71,71,71	0
59	MG	CA	2065	1/1	0.65	0.45	87,87,87,87	0
59	MG	BA	2029	1/1	0.65	0.16	76,76,76,76	0
59	MG	AB	225	1/1	0.65	0.16	125,125,125,125	0
59	MG	DA	3575	1/1	0.65	0.51	112,112,112,112	0
59	MG	AA	3254	1/1	0.65	0.13	76,76,76,76	0
59	MG	CA	1700	1/1	0.65	0.18	39,39,39,39	0
59	MG	AA	4044	1/1	0.65	0.42	93,93,93,93	0
59	MG	AA	3878	1/1	0.65	0.21	84,84,84,84	0
59	MG	CB	115	1/1	0.65	0.39	97,97,97,97	0
59	MG	DA	4492	1/1	0.65	0.34	66,66,66,66	0
59	MG	AA	3290	1/1	0.65	0.20	78,78,78,78	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	AA	4099	1/1	0.65	0.30	96,96,96,96	0
59	MG	DA	4829	1/1	0.65	0.29	106,106,106,106	0
59	MG	DA	3283	1/1	0.65	0.36	87,87,87,87	0
59	MG	BA	1632	1/1	0.65	0.33	68,68,68,68	0
59	MG	AA	3753	1/1	0.65	0.17	91,91,91,91	0
59	MG	DV	305	1/1	0.65	0.35	86,86,86,86	0
59	MG	BE	301	1/1	0.65	0.15	63,63,63,63	0
59	MG	DA	3581	1/1	0.66	0.32	91,91,91,91	0
59	MG	AA	3975	1/1	0.66	0.21	76,76,76,76	0
59	MG	CG	312	1/1	0.66	0.29	104,104,104,104	0
59	MG	DA	4201	1/1	0.66	0.14	57,57,57,57	0
59	MG	BA	2124	1/1	0.66	0.18	72,72,72,72	0
59	MG	DA	5041	1/1	0.66	0.39	57,57,57,57	0
59	MG	DA	4735	1/1	0.66	0.37	88,88,88,88	0
59	MG	BA	1906	1/1	0.66	0.22	107,107,107,107	0
59	MG	DA	3649	1/1	0.66	0.18	71,71,71,71	0
59	MG	AA	3324	1/1	0.66	0.17	43,43,43,43	0
59	MG	AA	4004	1/1	0.66	0.28	78,78,78,78	0
59	MG	AA	3668	1/1	0.66	0.23	71,71,71,71	0
59	MG	CA	2103	1/1	0.66	0.27	111,111,111,111	0
59	MG	BL	201	1/1	0.66	0.20	86,86,86,86	0
59	MG	DA	3490	1/1	0.66	0.36	64,64,64,64	0
59	MG	CA	1960	1/1	0.66	0.11	91,91,91,91	0
59	MG	AA	3508	1/1	0.66	0.21	61,61,61,61	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DS	207	1/1	0.66	0.35	109,109,109,109	0
59	MG	AA	3554	1/1	0.66	0.14	86,86,86,86	0
59	MG	CA	2002	1/1	0.66	0.09	112,112,112,112	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	BA	2040	1/1	0.67	0.34	93,93,93,93	0
59	MG	DA	4448	1/1	0.67	0.23	95,95,95,95	0
59	MG	DA	3832	1/1	0.67	0.34	55,55,55,55	0
59	MG	CA	1825	1/1	0.67	0.14	90,90,90,90	0
59	MG	CA	1840	1/1	0.67	0.19	84,84,84,84	0
59	MG	DA	5050	1/1	0.67	0.33	83,83,83,83	0
59	MG	CA	1980	1/1	0.67	0.38	83,83,83,83	0
59	MG	CA	1843	1/1	0.67	0.13	99,99,99,99	0
59	MG	AU	204	1/1	0.67	0.29	87,87,87,87	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	DB	252	1/1	0.67	0.29	101,101,101,101	0
59	MG	DA	4839	1/1	0.67	0.28	75,75,75,75	0
59	MG	DA	4668	1/1	0.67	0.56	72,72,72,72	0
59	MG	AA	3435	1/1	0.67	0.14	69,69,69,69	0
59	MG	AA	4073	1/1	0.67	0.11	84,84,84,84	0
59	MG	DA	4911	1/1	0.67	0.24	85,85,85,85	0
59	MG	D0	211	1/1	0.67	0.33	89,89,89,89	0
59	MG	AA	3434	1/1	0.67	0.12	65,65,65,65	0
59	MG	BG	307	1/1	0.67	0.17	85,85,85,85	0
59	MG	BA	2172	1/1	0.67	0.32	75,75,75,75	0
59	MG	CA	2084	1/1	0.67	0.12	77,77,77,77	0
59	MG	CA	1632	1/1	0.67	0.36	65,65,65,65	0
59	MG	DA	3847	1/1	0.68	0.26	81,81,81,81	0
59	MG	DA	4929	1/1	0.68	0.43	52,52,52,52	0
59	MG	BA	2184	1/1	0.68	0.17	101,101,101,101	0
59	MG	AA	3124	1/1	0.68	0.35	71,71,71,71	0
59	MG	CA	2126	1/1	0.68	0.12	59,59,59,59	0
59	MG	CK	208	1/1	0.68	0.21	69,69,69,69	0
59	MG	AA	3923	1/1	0.68	0.15	107,107,107,107	0
59	MG	AA	3719	1/1	0.68	0.49	97,97,97,97	0
59	MG	CA	2230	1/1	0.68	0.14	92,92,92,92	0
59	MG	AS	203	1/1	0.68	0.46	72,72,72,72	0
59	MG	AA	3552	1/1	0.68	0.25	90,90,90,90	0
59	MG	DA	4128	1/1	0.68	0.34	85,85,85,85	0
59	MG	AA	4106	1/1	0.68	0.28	88,88,88,88	0
59	MG	BA	1832	1/1	0.68	0.21	89,89,89,89	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3433	1/1	0.68	0.24	64,64,64,64	0
59	MG	DA	4317	1/1	0.68	0.21	61,61,61,61	0
59	MG	BA	2250	1/1	0.68	0.21	90,90,90,90	0
59	MG	DA	4795	1/1	0.68	0.25	66,66,66,66	0
59	MG	AA	3491	1/1	0.68	0.19	68,68,68,68	0
59	MG	CA	1658	1/1	0.68	0.21	48,48,48,48	0
59	MG	DA	4810	1/1	0.68	0.26	62,62,62,62	0
59	MG	DA	4815	1/1	0.68	0.25	53,53,53,53	0
59	MG	BA	2153	1/1	0.68	0.11	100,100,100,100	0
59	MG	D0	209	1/1	0.68	0.27	91,91,91,91	0
59	MG	BA	2070	1/1	0.68	0.28	89,89,89,89	0
59	MG	DA	3741	1/1	0.68	0.42	76,76,76,76	0
59	MG	BA	1995	1/1	0.68	0.17	84,84,84,84	0
59	MG	CA	2105	1/1	0.68	0.43	94,94,94,94	0
59	MG	AA	4060	1/1	0.68	0.13	70,70,70,70	0
59	MG	DA	3258	1/1	0.68	0.17	83,83,83,83	0
59	MG	BS	106	1/1	0.69	0.33	100,100,100,100	0
59	MG	DA	4431	1/1	0.69	0.20	87,87,87,87	0
59	MG	DA	3582	1/1	0.69	0.25	63,63,63,63	0
59	MG	BW	207	1/1	0.69	0.16	85,85,85,85	0
59	MG	DA	4461	1/1	0.69	0.37	88,88,88,88	0
59	MG	AA	3744	1/1	0.69	0.20	64,64,64,64	0
59	MG	BA	1698	1/1	0.69	0.58	104,104,104,104	0
59	MG	DA	4496	1/1	0.69	0.37	81,81,81,81	0
59	MG	DA	4928	1/1	0.69	0.17	78,78,78,78	0
59	MG	DA	4534	1/1	0.69	0.22	118,118,118,118	0
59	MG	AA	3325	1/1	0.69	0.22	50,50,50,50	0
59	MG	DA	4948	1/1	0.69	0.51	126,126,126,126	0
59	MG	BA	1722	1/1	0.69	0.29	54,54,54,54	0
59	MG	DA	4573	1/1	0.69	0.34	102,102,102,102	0
59	MG	AA	3767	1/1	0.69	0.24	78,78,78,78	0
59	MG	BA	2018	1/1	0.69	0.24	84,84,84,84	0
59	MG	BA	2122	1/1	0.69	0.19	107,107,107,107	0
59	MG	DA	4656	1/1	0.69	0.29	71,71,71,71	0
59	MG	AA	3438	1/1	0.69	0.08	99,99,99,99	0
59	MG	AB	212	1/1	0.69	0.11	83,83,83,83	0
59	MG	AA	3441	1/1	0.69	0.17	102,102,102,102	0
59	MG	BA	1639	1/1	0.69	0.27	72,72,72,72	0
59	MG	BA	2265	1/1	0.69	0.33	111,111,111,111	0
59	MG	AA	4051	1/1	0.69	0.29	106,106,106,106	0
59	MG	BA	1913	1/1	0.69	0.16	73,73,73,73	0
59	MG	DA	3205	1/1	0.69	0.30	65,65,65,65	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DB	210	1/1	0.69	0.23	89,89,89,89	0
59	MG	DB	244	1/1	0.69	0.34	68,68,68,68	0
59	MG	AA	3122	1/1	0.69	0.18	73,73,73,73	0
59	MG	CA	2303	1/1	0.69	0.26	102,102,102,102	0
59	MG	DB	263	1/1	0.69	0.24	80,80,80,80	0
59	MG	BA	2161	1/1	0.69	0.19	114,114,114,114	0
59	MG	CA	2308	1/1	0.69	0.36	107,107,107,107	0
59	MG	DA	4753	1/1	0.69	0.31	68,68,68,68	0
59	MG	DY	202	1/1	0.69	0.18	91,91,91,91	0
59	MG	AA	3821	1/1	0.69	0.17	69,69,69,69	0
59	MG	CA	1754	1/1	0.69	0.35	80,80,80,80	0
59	MG	CE	302	1/1	0.69	0.30	98,98,98,98	0
59	MG	BA	1673	1/1	0.69	0.20	73,73,73,73	0
59	MG	BL	202	1/1	0.69	0.14	64,64,64,64	0
59	MG	DA	4302	1/1	0.69	0.10	102,102,102,102	0
59	MG	BA	2067	1/1	0.69	0.17	95,95,95,95	0
59	MG	D6	103	1/1	0.69	0.43	63,63,63,63	0
59	MG	BS	101	1/1	0.69	0.13	76,76,76,76	0
59	MG	BF	302	1/1	0.70	0.24	105,105,105,105	0
59	MG	BG	306	1/1	0.70	0.22	108,108,108,108	0
59	MG	BA	1620	1/1	0.70	0.25	50,50,50,50	0
59	MG	BA	2169	1/1	0.70	0.18	98,98,98,98	0
59	MG	BA	2244	1/1	0.70	0.41	113,113,113,113	0
59	MG	BA	1915	1/1	0.70	0.33	69,69,69,69	0
59	MG	DA	5065	1/1	0.70	0.39	89,89,89,89	0
59	MG	BA	1665	1/1	0.70	0.29	61,61,61,61	0
59	MG	AA	3678	1/1	0.70	0.12	49,49,49,49	0
59	MG	DA	3621	1/1	0.70	0.19	51,51,51,51	0
59	MG	DA	3622	1/1	0.70	0.28	69,69,69,69	0
59	MG	DB	214	1/1	0.70	0.27	76,76,76,76	0
59	MG	CA	1920	1/1	0.70	0.32	85,85,85,85	0
59	MG	AA	3338	1/1	0.70	0.16	72,72,72,72	0
59	MG	DA	4885	1/1	0.70	0.37	92,92,92,92	0
59	MG	BA	2267	1/1	0.70	0.26	91,91,91,91	0
59	MG	CA	2099	1/1	0.70	0.11	94,94,94,94	0
59	MG	CW	201	1/1	0.70	0.41	89,89,89,89	0
59	MG	DA	3370	1/1	0.70	0.28	73,73,73,73	0
59	MG	DA	4417	1/1	0.70	0.30	64,64,64,64	0
59	MG	BA	1859	1/1	0.70	0.51	146,146,146,146	0
59	MG	DA	3403	1/1	0.70	0.37	89,89,89,89	0
59	MG	BA	1769	1/1	0.70	0.29	87,87,87,87	0
59	MG	DS	201	1/1	0.70	0.32	88,88,88,88	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	4112	1/1	0.70	0.39	89,89,89,89	0
59	MG	DA	4462	1/1	0.70	0.20	74,74,74,74	0
59	MG	DA	4485	1/1	0.70	0.07	138,138,138,138	0
59	MG	AA	3948	1/1	0.70	0.16	72,72,72,72	0
59	MG	DA	5005	1/1	0.70	0.32	75,75,75,75	0
59	MG	DA	5011	1/1	0.70	0.31	76,76,76,76	0
59	MG	CA	1841	1/1	0.71	0.11	85,85,85,85	0
59	MG	DA	3769	1/1	0.71	0.35	72,72,72,72	0
59	MG	CA	2077	1/1	0.71	0.14	96,96,96,96	0
59	MG	DA	3113	1/1	0.71	0.28	73,73,73,73	0
59	MG	DA	3795	1/1	0.71	0.34	88,88,88,88	0
59	MG	DA	3120	1/1	0.71	0.23	57,57,57,57	0
59	MG	DA	4971	1/1	0.71	0.27	79,79,79,79	0
59	MG	AB	223	1/1	0.71	0.17	112,112,112,112	0
59	MG	DA	3206	1/1	0.71	0.30	76,76,76,76	0
59	MG	AA	3333	1/1	0.71	0.52	59,59,59,59	0
59	MG	DA	3262	1/1	0.71	0.47	72,72,72,72	0
59	MG	BD	125	1/1	0.71	0.30	105,105,105,105	0
59	MG	DA	3314	1/1	0.71	0.13	83,83,83,83	0
59	MG	DA	3326	1/1	0.71	0.20	63,63,63,63	0
59	MG	DA	5046	1/1	0.71	0.20	77,77,77,77	0
59	MG	AA	3705	1/1	0.71	0.28	87,87,87,87	0
59	MG	DA	4723	1/1	0.71	0.17	71,71,71,71	0
59	MG	CG	302	1/1	0.71	0.14	67,67,67,67	0
59	MG	CG	303	1/1	0.71	0.11	73,73,73,73	0
59	MG	AA	3419	1/1	0.71	0.38	82,82,82,82	0
59	MG	BA	2064	1/1	0.71	0.10	90,90,90,90	0
59	MG	AA	3116	1/1	0.71	0.44	85,85,85,85	0
59	MG	BA	1968	1/1	0.71	0.50	96,96,96,96	0
59	MG	AK	203	1/1	0.71	0.16	86,86,86,86	0
59	MG	DB	226	1/1	0.71	0.20	40,40,40,40	0
59	MG	BA	2183	1/1	0.71	0.20	107,107,107,107	0
59	MG	AA	3623	1/1	0.71	0.23	50,50,50,50	0
59	MG	CD	101	1/1	0.71	0.20	85,85,85,85	0
59	MG	AA	3920	1/1	0.71	0.17	85,85,85,85	0
59	MG	AA	3633	1/1	0.71	0.21	41,41,41,41	0
59	MG	DB	274	1/1	0.71	0.21	79,79,79,79	0
59	MG	AA	3161	1/1	0.71	0.18	63,63,63,63	0
59	MG	AA	3564	1/1	0.71	0.24	67,67,67,67	0
59	MG	BQ	102	1/1	0.71	0.10	63,63,63,63	0
59	MG	DM	202	1/1	0.71	0.43	48,48,48,48	0
59	MG	DA	4838	1/1	0.71	0.34	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	4054	1/1	0.71	0.13	74,74,74,74	0
59	MG	CA	2033	1/1	0.71	0.14	73,73,73,73	0
59	MG	DA	4488	1/1	0.71	0.55	89,89,89,89	0
59	MG	AA	3346	1/1	0.71	0.27	58,58,58,58	0
59	MG	AA	3480	1/1	0.71	0.25	70,70,70,70	0
59	MG	DA	3658	1/1	0.71	0.26	60,60,60,60	0
59	MG	DA	4916	1/1	0.71	0.16	88,88,88,88	0
59	MG	AA	3995	1/1	0.71	0.33	103,103,103,103	0
59	MG	BA	2139	1/1	0.71	0.11	82,82,82,82	0
59	MG	CA	2214	1/1	0.72	0.16	104,104,104,104	0
59	MG	CA	2217	1/1	0.72	0.32	93,93,93,93	0
59	MG	CA	1962	1/1	0.72	0.19	76,76,76,76	0
59	MG	AA	3542	1/1	0.72	0.19	54,54,54,54	0
59	MG	AZ	101	1/1	0.72	0.23	83,83,83,83	0
59	MG	AA	4059	1/1	0.72	0.17	54,54,54,54	0
59	MG	AA	3593	1/1	0.72	0.20	80,80,80,80	0
59	MG	CA	2010	1/1	0.72	0.55	104,104,104,104	0
59	MG	DA	4230	1/1	0.72	0.31	41,41,41,41	0
59	MG	AA	3990	1/1	0.72	0.56	134,134,134,134	0
59	MG	DA	4307	1/1	0.72	0.30	57,57,57,57	0
59	MG	DA	4769	1/1	0.72	0.24	68,68,68,68	0
59	MG	DA	4773	1/1	0.72	0.31	81,81,81,81	0
59	MG	CB	105	1/1	0.72	0.31	76,76,76,76	0
59	MG	CA	1828	1/1	0.72	0.35	100,100,100,100	0
59	MG	BA	1635	1/1	0.72	0.35	102,102,102,102	0
59	MG	DA	4784	1/1	0.72	0.16	74,74,74,74	0
59	MG	BA	1757	1/1	0.72	0.27	39,39,39,39	0
59	MG	AA	4131	1/1	0.72	0.18	99,99,99,99	0
59	MG	AA	3692	1/1	0.72	0.26	85,85,85,85	0
59	MG	BA	1867	1/1	0.72	0.32	121,121,121,121	0
59	MG	AA	3833	1/1	0.72	0.19	80,80,80,80	0
59	MG	BA	2205	1/1	0.72	0.17	109,109,109,109	0
59	MG	CA	2097	1/1	0.72	0.16	82,82,82,82	0
59	MG	DA	3183	1/1	0.72	0.51	97,97,97,97	0
59	MG	CA	1893	1/1	0.72	0.12	54,54,54,54	0
59	MG	CA	1896	1/1	0.72	0.16	73,73,73,73	0
59	MG	AA	3675	1/1	0.72	0.15	71,71,71,71	0
59	MG	DA	4883	1/1	0.72	0.34	96,96,96,96	0
59	MG	AA	4007	1/1	0.72	0.30	94,94,94,94	0
59	MG	DA	3274	1/1	0.72	0.41	67,67,67,67	0
59	MG	AA	4153	1/1	0.72	0.29	109,109,109,109	0
59	MG	DA	3307	1/1	0.72	0.20	59,59,59,59	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	D1	206	1/1	0.72	0.28	68,68,68,68	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	AA	4155	1/1	0.72	0.23	80,80,80,80	0
59	MG	DU	215	1/1	0.72	0.44	76,76,76,76	0
59	MG	DA	3983	1/1	0.72	0.22	57,57,57,57	0
59	MG	CR	101	1/1	0.72	0.19	89,89,89,89	0
59	MG	BA	2234	1/1	0.72	0.25	108,108,108,108	0
59	MG	BA	1816	1/1	0.72	0.20	71,71,71,71	0
59	MG	DA	4648	1/1	0.73	0.27	61,61,61,61	0
59	MG	AA	4116	1/1	0.73	0.26	98,98,98,98	0
59	MG	AA	4000	1/1	0.73	0.24	91,91,91,91	0
59	MG	DA	4053	1/1	0.73	0.23	75,75,75,75	0
59	MG	DA	4055	1/1	0.73	0.20	68,68,68,68	0
59	MG	CD	128	1/1	0.73	0.20	66,66,66,66	0
59	MG	DA	4980	1/1	0.73	0.48	79,79,79,79	0
59	MG	CA	1858	1/1	0.73	0.14	73,73,73,73	0
59	MG	AA	3915	1/1	0.73	0.32	105,105,105,105	0
59	MG	DA	3577	1/1	0.73	0.33	101,101,101,101	0
59	MG	CA	1890	1/1	0.73	0.09	69,69,69,69	0
59	MG	DA	5032	1/1	0.73	0.27	82,82,82,82	0
59	MG	DA	4149	1/1	0.73	0.30	70,70,70,70	0
59	MG	CA	2291	1/1	0.73	0.16	80,80,80,80	0
59	MG	CA	1892	1/1	0.73	0.24	68,68,68,68	0
59	MG	DA	4277	1/1	0.73	0.34	66,66,66,66	0
59	MG	AR	201	1/1	0.73	0.11	71,71,71,71	0
59	MG	BA	2003	1/1	0.73	0.17	98,98,98,98	0
59	MG	CA	2307	1/1	0.73	0.15	76,76,76,76	0
59	MG	AA	3265	1/1	0.73	0.40	71,71,71,71	0
59	MG	AB	219	1/1	0.73	0.15	75,75,75,75	0
59	MG	DA	4357	1/1	0.73	0.29	53,53,53,53	0
59	MG	DA	4364	1/1	0.73	0.12	90,90,90,90	0
59	MG	DA	4366	1/1	0.73	0.22	62,62,62,62	0
59	MG	BA	1789	1/1	0.73	0.33	105,105,105,105	0
59	MG	BS	103	1/1	0.73	0.20	83,83,83,83	0
59	MG	CA	1937	1/1	0.73	0.15	73,73,73,73	0
59	MG	BA	2262	1/1	0.73	0.14	90,90,90,90	0
59	MG	CA	2123	1/1	0.73	0.30	100,100,100,100	0
59	MG	BW	205	1/1	0.73	0.18	91,91,91,91	0
59	MG	DA	4474	1/1	0.73	0.62	54,54,54,54	0
59	MG	BA	2264	1/1	0.73	0.14	79,79,79,79	0
59	MG	BX	101	1/1	0.73	0.26	74,74,74,74	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CK	209	1/1	0.73	0.20	60,60,60,60	0
59	MG	AA	3883	1/1	0.73	0.32	100,100,100,100	0
59	MG	DA	4872	1/1	0.73	0.58	106,106,106,106	0
59	MG	AA	3342	1/1	0.73	0.15	63,63,63,63	0
59	MG	DA	4526	1/1	0.73	0.27	53,53,53,53	0
59	MG	DA	4892	1/1	0.73	1.12	133,133,133,133	0
59	MG	DA	4904	1/1	0.73	0.31	71,71,71,71	0
59	MG	CA	2224	1/1	0.73	0.17	83,83,83,83	0
59	MG	BA	1612	1/1	0.73	0.49	90,90,90,90	0
59	MG	AA	4036	1/1	0.73	0.10	68,68,68,68	0
59	MG	BA	1629	1/1	0.73	0.27	76,76,76,76	0
59	MG	AA	3224	1/1	0.73	0.18	63,63,63,63	0
59	MG	AA	4151	1/1	0.73	0.13	108,108,108,108	0
59	MG	CD	123	1/1	0.73	0.25	120,120,120,120	0
59	MG	BA	1770	1/1	0.74	0.20	67,67,67,67	0
59	MG	CA	2117	1/1	0.74	0.34	84,84,84,84	0
59	MG	DA	4574	1/1	0.74	0.31	73,73,73,73	0
59	MG	BA	2276	1/1	0.74	0.41	128,128,128,128	0
59	MG	BA	2182	1/1	0.74	0.17	110,110,110,110	0
59	MG	AA	3964	1/1	0.74	0.37	111,111,111,111	0
59	MG	CA	1634	1/1	0.74	0.24	91,91,91,91	0
59	MG	DA	3377	1/1	0.74	0.33	83,83,83,83	0
59	MG	AA	3966	1/1	0.74	0.40	75,75,75,75	0
59	MG	CA	2166	1/1	0.74	0.31	91,91,91,91	0
59	MG	BA	2110	1/1	0.74	0.31	91,91,91,91	0
59	MG	BG	302	1/1	0.74	0.13	63,63,63,63	0
59	MG	AA	4014	1/1	0.74	0.17	84,84,84,84	0
59	MG	CD	108	1/1	0.74	0.42	97,97,97,97	0
59	MG	CA	1949	1/1	0.74	0.14	60,60,60,60	0
59	MG	BA	2022	1/1	0.74	0.10	104,104,104,104	0
59	MG	BA	2206	1/1	0.74	0.16	106,106,106,106	0
59	MG	AA	3382	1/1	0.74	0.21	83,83,83,83	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	3397	1/1	0.74	0.17	56,56,56,56	0
59	MG	BA	2220	1/1	0.74	0.38	86,86,86,86	0
59	MG	AA	3563	1/1	0.74	0.23	67,67,67,67	0
59	MG	A8	102	1/1	0.74	0.20	68,68,68,68	0
59	MG	AA	3825	1/1	0.74	0.29	81,81,81,81	0
59	MG	AA	4079	1/1	0.74	0.21	92,92,92,92	0
59	MG	DB	211	1/1	0.74	0.41	90,90,90,90	0
59	MG	DA	4782	1/1	0.74	0.23	83,83,83,83	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DB	219	1/1	0.74	0.31	70,70,70,70	0
59	MG	DA	4381	1/1	0.74	0.25	88,88,88,88	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	BA	1936	1/1	0.74	0.25	80,80,80,80	0
59	MG	AA	4087	1/1	0.74	0.22	89,89,89,89	0
59	MG	CA	2063	1/1	0.74	0.17	78,78,78,78	0
59	MG	AA	3946	1/1	0.74	0.07	98,98,98,98	0
59	MG	BD	107	1/1	0.74	0.13	71,71,71,71	0
59	MG	CA	2312	1/1	0.74	0.25	78,78,78,78	0
59	MG	BA	2164	1/1	0.74	0.15	78,78,78,78	0
59	MG	CA	1855	1/1	0.74	0.10	79,79,79,79	0
59	MG	DA	3813	1/1	0.74	0.14	96,96,96,96	0
59	MG	AA	3817	1/1	0.74	0.17	66,66,66,66	0
59	MG	AO	206	1/1	0.74	0.57	53,53,53,53	0
59	MG	DA	4879	1/1	0.74	0.53	62,62,62,62	0
59	MG	BD	122	1/1	0.74	0.38	100,100,100,100	0
59	MG	DA	4512	1/1	0.74	0.67	100,100,100,100	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	DA	3278	1/1	0.74	0.31	62,62,62,62	0
59	MG	BA	2081	1/1	0.74	0.28	69,69,69,69	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	AA	3060	1/1	0.75	0.12	76,76,76,76	0
59	MG	DA	3674	1/1	0.75	0.16	62,62,62,62	0
59	MG	BA	2119	1/1	0.75	0.16	67,67,67,67	0
59	MG	CA	2129	1/1	0.75	0.19	75,75,75,75	0
59	MG	AA	3897	1/1	0.75	0.20	103,103,103,103	0
59	MG	CA	2137	1/1	0.75	0.19	88,88,88,88	0
59	MG	BA	1815	1/1	0.75	0.22	119,119,119,119	0
59	MG	CA	1834	1/1	0.75	0.09	67,67,67,67	0
59	MG	CA	2192	1/1	0.75	0.13	60,60,60,60	0
59	MG	AA	3756	1/1	0.75	0.20	65,65,65,65	0
59	MG	BA	1926	1/1	0.75	0.11	53,53,53,53	0
59	MG	AA	3698	1/1	0.75	0.18	64,64,64,64	0
59	MG	DA	5052	1/1	0.75	0.23	49,49,49,49	0
59	MG	AA	3154	1/1	0.75	0.19	59,59,59,59	0
59	MG	BC	112	1/1	0.75	0.16	57,57,57,57	0
59	MG	DA	4793	1/1	0.75	0.27	86,86,86,86	0
59	MG	DA	5066	1/1	0.75	0.34	61,61,61,61	0
59	MG	DA	4483	1/1	0.75	0.23	64,64,64,64	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2030	1/1	0.75	0.22	72,72,72,72	0
59	MG	DA	3906	1/1	0.75	0.16	90,90,90,90	0
59	MG	CA	1854	1/1	0.75	0.18	67,67,67,67	0
59	MG	DA	4814	1/1	0.75	0.36	114,114,114,114	0
59	MG	CD	110	1/1	0.75	0.10	77,77,77,77	0
59	MG	BK	204	1/1	0.75	0.24	74,74,74,74	0
59	MG	AA	3984	1/1	0.75	0.18	98,98,98,98	0
59	MG	DA	3487	1/1	0.75	0.21	62,62,62,62	0
59	MG	AA	3707	1/1	0.75	0.12	63,63,63,63	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	AA	4111	1/1	0.75	0.15	108,108,108,108	0
59	MG	DA	3562	1/1	0.75	0.40	73,73,73,73	0
59	MG	BA	2077	1/1	0.75	0.16	74,74,74,74	0
59	MG	CA	1894	1/1	0.75	0.23	60,60,60,60	0
59	MG	AA	3037	1/1	0.75	0.36	107,107,107,107	0
59	MG	AA	3718	1/1	0.75	0.32	84,84,84,84	0
59	MG	CB	112	1/1	0.75	0.13	77,77,77,77	0
59	MG	DA	4154	1/1	0.75	0.36	74,74,74,74	0
59	MG	DA	4915	1/1	0.75	0.40	64,64,64,64	0
59	MG	DA	4190	1/1	0.75	0.08	70,70,70,70	0
59	MG	AA	3490	1/1	0.75	0.15	102,102,102,102	0
59	MG	BA	2014	1/1	0.75	0.14	64,64,64,64	0
59	MG	CA	1929	1/1	0.75	0.19	40,40,40,40	0
59	MG	DA	4297	1/1	0.75	0.38	100,100,100,100	0
59	MG	BA	1873	1/1	0.75	0.19	109,109,109,109	0
59	MG	DV	302	1/1	0.75	0.15	87,87,87,87	0
59	MG	AA	3658	1/1	0.75	0.23	64,64,64,64	0
59	MG	CC	113	1/1	0.75	0.38	85,85,85,85	0
59	MG	BD	105	1/1	0.75	0.31	87,87,87,87	0
59	MG	BA	1774	1/1	0.76	0.19	53,53,53,53	0
59	MG	CA	2213	1/1	0.76	0.11	84,84,84,84	0
59	MG	AA	4040	1/1	0.76	0.23	67,67,67,67	0
59	MG	AA	3728	1/1	0.76	0.19	70,70,70,70	0
59	MG	DA	3392	1/1	0.76	0.26	76,76,76,76	0
59	MG	AA	3649	1/1	0.76	0.20	96,96,96,96	0
59	MG	DA	4587	1/1	0.76	0.21	71,71,71,71	0
59	MG	AA	3440	1/1	0.76	0.19	75,75,75,75	0
59	MG	DA	4620	1/1	0.76	0.24	84,84,84,84	0
59	MG	CA	2234	1/1	0.76	0.21	81,81,81,81	0
59	MG	DA	4956	1/1	0.76	0.43	118,118,118,118	0
59	MG	AA	3274	1/1	0.76	0.32	70,70,70,70	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2068	1/1	0.76	0.47	90,90,90,90	0
59	MG	DA	4121	1/1	0.76	0.15	77,77,77,77	0
59	MG	DA	4985	1/1	0.76	0.40	88,88,88,88	0
59	MG	DA	3526	1/1	0.76	0.16	46,46,46,46	0
59	MG	AA	4049	1/1	0.76	0.28	115,115,115,115	0
59	MG	BA	2176	1/1	0.76	0.15	99,99,99,99	0
59	MG	BB	108	1/1	0.76	0.25	94,94,94,94	0
59	MG	AA	3757	1/1	0.76	0.21	56,56,56,56	0
59	MG	DA	4184	1/1	0.76	0.33	61,61,61,61	0
59	MG	AA	3428	1/1	0.76	0.42	101,101,101,101	0
59	MG	BA	1678	1/1	0.76	0.33	77,77,77,77	0
59	MG	AA	3245	1/1	0.76	0.28	69,69,69,69	0
59	MG	DA	4275	1/1	0.76	0.35	78,78,78,78	0
59	MG	BA	2104	1/1	0.76	0.46	80,80,80,80	0
59	MG	AA	4003	1/1	0.76	0.07	109,109,109,109	0
59	MG	DA	4739	1/1	0.76	0.37	77,77,77,77	0
59	MG	DA	4742	1/1	0.76	0.17	128,128,128,128	0
59	MG	BA	1830	1/1	0.76	0.30	90,90,90,90	0
59	MG	AA	4140	1/1	0.76	0.19	74,74,74,74	0
59	MG	AA	3870	1/1	0.76	0.11	69,69,69,69	0
59	MG	BA	1851	1/1	0.76	0.29	142,142,142,142	0
59	MG	AA	3292	1/1	0.76	0.34	79,79,79,79	0
59	MG	AA	3071	1/1	0.76	0.31	16,16,16,16	0
59	MG	CC	115	1/1	0.76	0.34	69,69,69,69	0
59	MG	DA	3108	1/1	0.76	0.27	76,76,76,76	0
59	MG	CA	2317	1/1	0.76	0.20	104,104,104,104	0
59	MG	DA	3695	1/1	0.76	0.23	131,131,131,131	0
59	MG	CA	1709	1/1	0.76	0.17	55,55,55,55	0
59	MG	DA	3162	1/1	0.76	0.24	45,45,45,45	0
59	MG	AA	3187	1/1	0.76	0.25	68,68,68,68	0
59	MG	AA	4015	1/1	0.76	0.39	104,104,104,104	0
59	MG	AA	4097	1/1	0.76	0.47	109,109,109,109	0
59	MG	DA	4454	1/1	0.76	0.54	51,51,51,51	0
59	MG	DY	201	1/1	0.76	0.23	100,100,100,100	0
59	MG	DA	3219	1/1	0.76	0.22	48,48,48,48	0
59	MG	AA	3725	1/1	0.76	0.21	89,89,89,89	0
59	MG	DA	4831	1/1	0.76	0.24	82,82,82,82	0
59	MG	CG	310	1/1	0.76	0.13	96,96,96,96	0
59	MG	DA	3843	1/1	0.76	0.22	53,53,53,53	0
59	MG	CA	1767	1/1	0.76	0.18	80,80,80,80	0
59	MG	CA	1956	1/1	0.76	0.14	74,74,74,74	0
59	MG	AA	3726	1/1	0.76	0.16	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3894	1/1	0.76	0.17	101,101,101,101	0
59	MG	DA	4494	1/1	0.76	0.34	84,84,84,84	0
59	MG	CA	1792	1/1	0.76	0.07	58,58,58,58	0
59	MG	CA	2180	1/1	0.76	0.18	66,66,66,66	0
59	MG	DA	3912	1/1	0.76	0.23	89,89,89,89	0
59	MG	DA	3919	1/1	0.76	0.32	76,76,76,76	0
59	MG	CA	2184	1/1	0.76	0.38	83,83,83,83	0
59	MG	BB	109	1/1	0.77	0.18	119,119,119,119	0
59	MG	BA	1937	1/1	0.77	0.38	71,71,71,71	0
59	MG	CA	2191	1/1	0.77	0.15	99,99,99,99	0
59	MG	CJ	201	1/1	0.77	0.26	89,89,89,89	0
59	MG	DA	3790	1/1	0.77	0.27	66,66,66,66	0
59	MG	CK	205	1/1	0.77	0.16	75,75,75,75	0
59	MG	AA	3732	1/1	0.77	0.12	76,76,76,76	0
59	MG	CA	2193	1/1	0.77	0.34	86,86,86,86	0
59	MG	AB	207	1/1	0.77	0.16	74,74,74,74	0
59	MG	CA	1624	1/1	0.77	0.15	80,80,80,80	0
59	MG	AA	3743	1/1	0.77	0.43	71,71,71,71	0
59	MG	CA	2042	1/1	0.77	0.15	57,57,57,57	0
59	MG	BA	2163	1/1	0.77	0.14	105,105,105,105	0
59	MG	DA	3883	1/1	0.77	0.15	74,74,74,74	0
59	MG	DA	3887	1/1	0.77	0.36	68,68,68,68	0
59	MG	DA	3889	1/1	0.77	0.14	80,80,80,80	0
59	MG	DA	3332	1/1	0.77	0.42	82,82,82,82	0
59	MG	DA	3344	1/1	0.77	0.62	90,90,90,90	0
59	MG	DA	4539	1/1	0.77	0.34	85,85,85,85	0
59	MG	DA	3365	1/1	0.77	0.34	45,45,45,45	0
59	MG	AB	210	1/1	0.77	0.22	81,81,81,81	0
59	MG	A2	201	1/1	0.77	0.31	66,66,66,66	0
59	MG	AA	3353	1/1	0.77	0.33	83,83,83,83	0
59	MG	DA	4575	1/1	0.77	0.29	68,68,68,68	0
59	MG	CA	2246	1/1	0.77	0.18	91,91,91,91	0
59	MG	AB	214	1/1	0.77	0.31	105,105,105,105	0
59	MG	AA	3747	1/1	0.77	0.16	53,53,53,53	0
59	MG	DA	4626	1/1	0.77	0.17	56,56,56,56	0
59	MG	DA	3992	1/1	0.77	0.25	61,61,61,61	0
59	MG	DA	5013	1/1	0.77	0.16	54,54,54,54	0
59	MG	DA	4638	1/1	0.77	0.26	56,56,56,56	0
59	MG	CA	1699	1/1	0.77	0.12	40,40,40,40	0
59	MG	DA	4015	1/1	0.77	0.40	57,57,57,57	0
59	MG	DA	4650	1/1	0.77	0.30	83,83,83,83	0
59	MG	DA	3481	1/1	0.77	0.32	93,93,93,93	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1803	1/1	0.77	0.38	90,90,90,90	0
59	MG	CA	2278	1/1	0.77	0.25	84,84,84,84	0
59	MG	CA	2282	1/1	0.77	0.20	128,128,128,128	0
59	MG	DA	3509	1/1	0.77	0.39	47,47,47,47	0
59	MG	DA	4690	1/1	0.77	0.28	86,86,86,86	0
59	MG	DA	4084	1/1	0.77	0.27	79,79,79,79	0
59	MG	AA	3605	1/1	0.77	0.12	66,66,66,66	0
59	MG	AA	3613	1/1	0.77	0.14	84,84,84,84	0
59	MG	AA	4012	1/1	0.77	0.24	85,85,85,85	0
59	MG	AA	3287	1/1	0.77	0.14	66,66,66,66	0
59	MG	CA	2109	1/1	0.77	0.11	74,74,74,74	0
59	MG	DA	4731	1/1	0.77	0.19	63,63,63,63	0
59	MG	CA	2302	1/1	0.77	0.13	77,77,77,77	0
59	MG	BA	1920	1/1	0.77	0.26	86,86,86,86	0
59	MG	DB	231	1/1	0.77	0.49	83,83,83,83	0
59	MG	DB	233	1/1	0.77	0.15	45,45,45,45	0
59	MG	DB	240	1/1	0.77	0.26	84,84,84,84	0
59	MG	AB	227	1/1	0.77	0.28	82,82,82,82	0
59	MG	BD	113	1/1	0.77	0.13	78,78,78,78	0
59	MG	BA	1927	1/1	0.77	0.20	51,51,51,51	0
59	MG	AA	3417	1/1	0.77	0.11	58,58,58,58	0
59	MG	DA	4757	1/1	0.77	0.17	46,46,46,46	0
59	MG	DB	273	1/1	0.77	0.24	100,100,100,100	0
59	MG	DA	3613	1/1	0.77	0.31	68,68,68,68	0
59	MG	DA	4771	1/1	0.77	0.60	92,92,92,92	0
59	MG	DE	308	1/1	0.77	0.94	83,83,83,83	0
59	MG	CC	109	1/1	0.77	0.19	49,49,49,49	0
59	MG	BD	123	1/1	0.77	0.20	82,82,82,82	0
59	MG	DA	3626	1/1	0.77	0.19	84,84,84,84	0
59	MG	AA	3284	1/1	0.77	0.14	78,78,78,78	0
59	MG	DA	3631	1/1	0.77	0.21	60,60,60,60	0
59	MG	DA	3633	1/1	0.77	0.29	48,48,48,48	0
59	MG	DA	3013	1/1	0.77	0.22	50,50,50,50	0
59	MG	BD	126	1/1	0.77	0.41	133,133,133,133	0
59	MG	DA	3654	1/1	0.77	0.17	40,40,40,40	0
59	MG	DS	206	1/1	0.77	0.24	60,60,60,60	0
59	MG	CA	1968	1/1	0.77	0.23	90,90,90,90	0
59	MG	DU	207	1/1	0.77	0.20	97,97,97,97	0
59	MG	DA	3665	1/1	0.77	0.19	110,110,110,110	0
59	MG	AA	4023	1/1	0.77	0.12	73,73,73,73	0
59	MG	DA	3676	1/1	0.77	0.51	70,70,70,70	0
59	MG	DA	3130	1/1	0.77	0.26	73,73,73,73	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3679	1/1	0.77	0.07	69,69,69,69	0
59	MG	BH	205	1/1	0.77	0.10	78,78,78,78	0
59	MG	D7	104	1/1	0.77	0.25	47,47,47,47	0
59	MG	DA	4442	1/1	0.77	0.19	49,49,49,49	0
59	MG	DA	3592	1/1	0.78	0.21	81,81,81,81	0
59	MG	CA	1997	1/1	0.78	0.46	96,96,96,96	0
59	MG	AA	3943	1/1	0.78	0.20	65,65,65,65	0
59	MG	DA	3122	1/1	0.78	0.32	75,75,75,75	0
59	MG	DA	4582	1/1	0.78	0.25	69,69,69,69	0
59	MG	BA	1792	1/1	0.78	0.32	79,79,79,79	0
59	MG	DA	4100	1/1	0.78	0.23	72,72,72,72	0
59	MG	DA	3160	1/1	0.78	0.31	48,48,48,48	0
59	MG	DA	3624	1/1	0.78	0.27	74,74,74,74	0
59	MG	CA	2208	1/1	0.78	0.15	81,81,81,81	0
59	MG	AA	3422	1/1	0.78	0.14	73,73,73,73	0
59	MG	DA	3195	1/1	0.78	0.28	50,50,50,50	0
59	MG	AA	4083	1/1	0.78	0.16	74,74,74,74	0
59	MG	AA	3363	1/1	0.78	0.27	74,74,74,74	0
59	MG	BA	2028	1/1	0.78	0.26	77,77,77,77	0
59	MG	DA	4185	1/1	0.78	0.44	88,88,88,88	0
59	MG	DA	4998	1/1	0.78	0.36	110,110,110,110	0
59	MG	DA	4660	1/1	0.78	0.24	73,73,73,73	0
59	MG	DA	3257	1/1	0.78	0.25	66,66,66,66	0
59	MG	CA	2047	1/1	0.78	0.12	80,80,80,80	0
59	MG	BA	1912	1/1	0.78	0.30	82,82,82,82	0
59	MG	BM	203	1/1	0.78	0.24	91,91,91,91	0
59	MG	BA	1814	1/1	0.78	0.12	115,115,115,115	0
59	MG	DA	4279	1/1	0.78	0.12	72,72,72,72	0
59	MG	AA	4089	1/1	0.78	0.16	107,107,107,107	0
59	MG	AA	4141	1/1	0.78	0.11	88,88,88,88	0
59	MG	DA	4717	1/1	0.78	0.33	80,80,80,80	0
59	MG	DA	5053	1/1	0.78	0.51	101,101,101,101	0
59	MG	DA	3682	1/1	0.78	0.16	83,83,83,83	0
59	MG	DA	4316	1/1	0.78	0.24	67,67,67,67	0
59	MG	CA	2251	1/1	0.78	0.16	93,93,93,93	0
59	MG	AA	3321	1/1	0.78	0.17	69,69,69,69	0
59	MG	CD	109	1/1	0.78	0.12	70,70,70,70	0
59	MG	DA	5076	1/1	0.78	0.33	85,85,85,85	0
59	MG	DA	3766	1/1	0.78	0.24	77,77,77,77	0
59	MG	BA	2140	1/1	0.78	0.30	103,103,103,103	0
59	MG	DA	4744	1/1	0.78	0.30	70,70,70,70	0
59	MG	BA	1923	1/1	0.78	0.35	81,81,81,81	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4752	1/1	0.78	0.20	84,84,84,84	0
59	MG	DB	216	1/1	0.78	0.18	43,43,43,43	0
59	MG	AA	3905	1/1	0.78	0.10	86,86,86,86	0
59	MG	AA	3775	1/1	0.78	0.48	91,91,91,91	0
59	MG	AA	3330	1/1	0.78	0.20	111,111,111,111	0
59	MG	AA	3396	1/1	0.78	0.17	58,58,58,58	0
59	MG	DA	4421	1/1	0.78	0.25	64,64,64,64	0
59	MG	DA	3385	1/1	0.78	0.27	85,85,85,85	0
59	MG	DB	245	1/1	0.78	0.15	59,59,59,59	0
59	MG	BA	1834	1/1	0.78	0.14	70,70,70,70	0
59	MG	BD	108	1/1	0.78	0.13	82,82,82,82	0
59	MG	DA	3408	1/1	0.78	0.14	41,41,41,41	0
59	MG	CB	101	1/1	0.78	0.33	64,64,64,64	0
59	MG	DA	3873	1/1	0.78	0.46	119,119,119,119	0
59	MG	CA	1935	1/1	0.78	0.17	45,45,45,45	0
59	MG	DA	4473	1/1	0.78	0.34	60,60,60,60	0
59	MG	BA	1839	1/1	0.78	0.29	136,136,136,136	0
59	MG	DE	312	1/1	0.78	0.16	74,74,74,74	0
59	MG	DF	309	1/1	0.78	0.24	46,46,46,46	0
59	MG	DA	4481	1/1	0.78	0.24	62,62,62,62	0
59	MG	AA	3837	1/1	0.78	0.28	116,116,116,116	0
59	MG	DA	3494	1/1	0.78	0.27	59,59,59,59	0
59	MG	DY	204	1/1	0.78	0.14	85,85,85,85	0
59	MG	AA	4068	1/1	0.78	0.16	58,58,58,58	0
59	MG	CA	1772	1/1	0.78	0.21	62,62,62,62	0
59	MG	D0	207	1/1	0.78	0.33	58,58,58,58	0
59	MG	BD	114	1/1	0.78	0.14	93,93,93,93	0
59	MG	DA	4834	1/1	0.78	0.26	78,78,78,78	0
59	MG	D1	201	1/1	0.78	0.24	49,49,49,49	0
59	MG	BA	1969	1/1	0.78	0.11	71,71,71,71	0
59	MG	CA	2313	1/1	0.78	0.34	128,128,128,128	0
59	MG	AA	3812	1/1	0.78	0.21	83,83,83,83	0
59	MG	DA	4865	1/1	0.78	0.26	67,67,67,67	0
59	MG	CA	1818	1/1	0.78	0.21	101,101,101,101	0
59	MG	AA	3077	1/1	0.78	0.14	63,63,63,63	0
59	MG	CA	2173	1/1	0.78	0.15	71,71,71,71	0
59	MG	BA	2102	1/1	0.78	0.12	85,85,85,85	0
59	MG	AU	202	1/1	0.78	0.23	76,76,76,76	0
59	MG	DA	3586	1/1	0.78	0.39	83,83,83,83	0
59	MG	DW	105	1/1	0.78	0.21	81,81,81,81	0
59	MG	DA	4540	1/1	0.78	0.24	88,88,88,88	0
59	MG	DA	4037	1/1	0.78	0.22	81,81,81,81	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4552	1/1	0.78	0.27	83,83,83,83	0
59	MG	DA	4940	1/1	0.79	0.32	69,69,69,69	0
59	MG	BA	2257	1/1	0.79	0.10	85,85,85,85	0
59	MG	BA	2130	1/1	0.79	0.13	86,86,86,86	0
59	MG	BA	1741	1/1	0.79	0.21	85,85,85,85	0
59	MG	BD	124	1/1	0.79	0.11	104,104,104,104	0
59	MG	AA	3548	1/1	0.79	0.29	59,59,59,59	0
59	MG	AZ	102	1/1	0.79	0.22	50,50,50,50	0
59	MG	AA	3418	1/1	0.79	0.48	91,91,91,91	0
59	MG	DA	4244	1/1	0.79	0.13	44,44,44,44	0
59	MG	DA	4265	1/1	0.79	0.31	95,95,95,95	0
59	MG	DA	4993	1/1	0.79	0.21	139,139,139,139	0
59	MG	BA	2269	1/1	0.79	0.19	80,80,80,80	0
59	MG	A7	102	1/1	0.79	0.41	59,59,59,59	0
59	MG	CA	1899	1/1	0.79	0.19	49,49,49,49	0
59	MG	AA	4121	1/1	0.79	0.14	66,66,66,66	0
59	MG	BA	1890	1/1	0.79	0.36	72,72,72,72	0
59	MG	BA	1606	1/1	0.79	0.15	93,93,93,93	0
59	MG	AA	3298	1/1	0.79	0.13	38,38,38,38	0
59	MG	DA	5033	1/1	0.79	0.11	75,75,75,75	0
59	MG	CA	2178	1/1	0.79	0.13	92,92,92,92	0
59	MG	DA	3745	1/1	0.79	0.31	49,49,49,49	0
59	MG	CS	104	1/1	0.79	0.17	125,125,125,125	0
59	MG	AB	220	1/1	0.79	0.17	79,79,79,79	0
59	MG	BG	301	1/1	0.79	0.08	67,67,67,67	0
59	MG	CA	1646	1/1	0.79	0.13	53,53,53,53	0
59	MG	CA	1942	1/1	0.79	0.51	105,105,105,105	0
59	MG	DA	5056	1/1	0.79	0.61	98,98,98,98	0
59	MG	AA	3799	1/1	0.79	0.38	93,93,93,93	0
59	MG	AA	3739	1/1	0.79	0.22	86,86,86,86	0
59	MG	AA	3864	1/1	0.79	0.11	48,48,48,48	0
59	MG	DA	4418	1/1	0.79	0.30	96,96,96,96	0
59	MG	AA	3973	1/1	0.79	0.16	86,86,86,86	0
59	MG	BK	201	1/1	0.79	0.34	96,96,96,96	0
59	MG	BA	1802	1/1	0.79	0.29	75,75,75,75	0
59	MG	BK	205	1/1	0.79	0.36	86,86,86,86	0
59	MG	AA	3665	1/1	0.79	0.40	80,80,80,80	0
59	MG	DA	3870	1/1	0.79	0.33	67,67,67,67	0
59	MG	DA	3872	1/1	0.79	0.15	75,75,75,75	0
59	MG	DA	3425	1/1	0.79	0.30	63,63,63,63	0
59	MG	AA	3981	1/1	0.79	0.27	131,131,131,131	0
59	MG	BA	1928	1/1	0.79	0.14	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AG	202	1/1	0.79	0.10	83,83,83,83	0
59	MG	BA	2188	1/1	0.79	0.37	102,102,102,102	0
59	MG	BA	2191	1/1	0.79	0.13	73,73,73,73	0
59	MG	DA	4806	1/1	0.79	0.19	59,59,59,59	0
59	MG	CB	103	1/1	0.79	0.15	53,53,53,53	0
59	MG	DA	3908	1/1	0.79	0.20	124,124,124,124	0
59	MG	CA	1761	1/1	0.79	0.27	65,65,65,65	0
59	MG	CA	2023	1/1	0.79	0.36	79,79,79,79	0
59	MG	DA	4817	1/1	0.79	0.26	78,78,78,78	0
59	MG	DA	4823	1/1	0.79	0.24	71,71,71,71	0
59	MG	AG	203	1/1	0.79	0.16	97,97,97,97	0
59	MG	DA	4827	1/1	0.79	0.41	87,87,87,87	0
59	MG	DA	3549	1/1	0.79	0.17	40,40,40,40	0
59	MG	DA	4518	1/1	0.79	0.24	49,49,49,49	0
59	MG	DA	3556	1/1	0.79	0.35	107,107,107,107	0
59	MG	CA	2270	1/1	0.79	0.16	68,68,68,68	0
59	MG	AA	3561	1/1	0.79	0.15	45,45,45,45	0
59	MG	AA	4149	1/1	0.79	0.23	125,125,125,125	0
59	MG	DA	3576	1/1	0.79	0.43	102,102,102,102	0
59	MG	DO	211	1/1	0.79	0.30	53,53,53,53	0
59	MG	BW	202	1/1	0.79	0.11	73,73,73,73	0
59	MG	AA	3985	1/1	0.79	0.23	97,97,97,97	0
59	MG	DA	4874	1/1	0.79	0.45	84,84,84,84	0
59	MG	DA	4542	1/1	0.79	0.23	37,37,37,37	0
59	MG	AA	4093	1/1	0.79	0.56	114,114,114,114	0
59	MG	AA	3344	1/1	0.79	0.16	76,76,76,76	0
59	MG	DA	4886	1/1	0.79	0.41	60,60,60,60	0
59	MG	BA	2219	1/1	0.79	0.17	60,60,60,60	0
59	MG	DA	3596	1/1	0.79	0.19	76,76,76,76	0
59	MG	BA	2111	1/1	0.79	0.28	79,79,79,79	0
59	MG	AA	3049	1/1	0.79	0.21	48,48,48,48	0
59	MG	BA	1712	1/1	0.79	0.35	56,56,56,56	0
59	MG	BA	1994	1/1	0.79	0.15	107,107,107,107	0
59	MG	DA	4917	1/1	0.79	0.33	61,61,61,61	0
59	MG	DA	4924	1/1	0.79	0.18	75,75,75,75	0
59	MG	D3	107	1/1	0.79	0.16	53,53,53,53	0
59	MG	AA	3416	1/1	0.79	0.35	78,78,78,78	0
59	MG	AA	3371	1/1	0.79	0.08	63,63,63,63	0
59	MG	DA	4625	1/1	0.79	0.29	67,67,67,67	0
59	MG	AA	3927	1/1	0.79	0.17	76,76,76,76	0
59	MG	BA	1930	1/1	0.80	0.24	62,62,62,62	0
59	MG	BS	105	1/1	0.80	0.11	89,89,89,89	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	4094	1/1	0.80	0.34	57,57,57,57	0
59	MG	A0	201	1/1	0.80	0.17	61,61,61,61	0
59	MG	DA	4040	1/1	0.80	0.28	59,59,59,59	0
59	MG	DA	4937	1/1	0.80	0.28	78,78,78,78	0
59	MG	BA	2216	1/1	0.80	0.36	91,91,91,91	0
59	MG	DA	4943	1/1	0.80	0.41	81,81,81,81	0
59	MG	CB	106	1/1	0.80	0.35	97,97,97,97	0
59	MG	DA	4612	1/1	0.80	0.46	79,79,79,79	0
59	MG	AA	3986	1/1	0.80	0.13	88,88,88,88	0
59	MG	DA	4062	1/1	0.80	0.18	49,49,49,49	0
59	MG	AA	3873	1/1	0.80	0.24	87,87,87,87	0
59	MG	CA	2035	1/1	0.80	0.10	68,68,68,68	0
59	MG	BA	2224	1/1	0.80	0.20	83,83,83,83	0
59	MG	DA	4976	1/1	0.80	0.68	98,98,98,98	0
59	MG	BA	1679	1/1	0.80	0.17	50,50,50,50	0
59	MG	CA	2273	1/1	0.80	0.14	65,65,65,65	0
59	MG	DA	4986	1/1	0.80	0.20	63,63,63,63	0
59	MG	CA	2050	1/1	0.80	0.28	80,80,80,80	0
59	MG	AA	4160	1/1	0.80	0.26	74,74,74,74	0
59	MG	DA	4997	1/1	0.80	0.18	50,50,50,50	0
59	MG	CA	1835	1/1	0.80	0.27	114,114,114,114	0
59	MG	BA	1984	1/1	0.80	0.09	84,84,84,84	0
59	MG	DA	4151	1/1	0.80	0.25	66,66,66,66	0
59	MG	DA	5012	1/1	0.80	0.25	100,100,100,100	0
59	MG	AA	3608	1/1	0.80	0.17	86,86,86,86	0
59	MG	BA	1987	1/1	0.80	0.18	83,83,83,83	0
59	MG	DA	4688	1/1	0.80	0.41	83,83,83,83	0
59	MG	AA	3880	1/1	0.80	0.14	102,102,102,102	0
59	MG	DA	5037	1/1	0.80	0.15	84,84,84,84	0
59	MG	AA	3934	1/1	0.80	0.20	93,93,93,93	0
59	MG	AA	3526	1/1	0.80	0.14	75,75,75,75	0
59	MG	A3	104	1/1	0.80	0.13	83,83,83,83	0
59	MG	AA	3527	1/1	0.80	0.16	34,34,34,34	0
59	MG	BA	1854	1/1	0.80	0.39	84,84,84,84	0
59	MG	DA	4269	1/1	0.80	0.53	72,72,72,72	0
59	MG	BA	2144	1/1	0.80	0.18	75,75,75,75	0
59	MG	DA	3657	1/1	0.80	0.15	74,74,74,74	0
59	MG	CA	2108	1/1	0.80	0.14	78,78,78,78	0
59	MG	AA	3631	1/1	0.80	0.13	58,58,58,58	0
59	MG	BA	2274	1/1	0.80	0.17	82,82,82,82	0
59	MG	AA	4126	1/1	0.80	0.31	87,87,87,87	0
59	MG	CA	2320	1/1	0.80	0.11	81,81,81,81	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3413	1/1	0.80	0.49	95,95,95,95	0
59	MG	BA	2157	1/1	0.80	0.13	72,72,72,72	0
59	MG	DA	4331	1/1	0.80	0.27	63,63,63,63	0
59	MG	CF	301	1/1	0.80	0.24	75,75,75,75	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	BA	1605	1/1	0.80	0.10	56,56,56,56	0
59	MG	DA	4778	1/1	0.80	0.23	66,66,66,66	0
59	MG	DB	228	1/1	0.80	0.65	91,91,91,91	0
59	MG	BA	1869	1/1	0.80	0.12	73,73,73,73	0
59	MG	CH	202	1/1	0.80	0.12	62,62,62,62	0
59	MG	DA	4404	1/1	0.80	0.18	68,68,68,68	0
59	MG	DA	3770	1/1	0.80	0.41	88,88,88,88	0
59	MG	BA	1771	1/1	0.80	0.41	74,74,74,74	0
59	MG	DA	3775	1/1	0.80	0.18	87,87,87,87	0
59	MG	AB	224	1/1	0.80	0.15	85,85,85,85	0
59	MG	CA	2164	1/1	0.80	0.18	103,103,103,103	0
59	MG	AA	3853	1/1	0.80	0.15	55,55,55,55	0
59	MG	AA	3253	1/1	0.80	0.21	50,50,50,50	0
59	MG	DA	3824	1/1	0.80	0.37	73,73,73,73	0
59	MG	BA	1621	1/1	0.80	0.60	120,120,120,120	0
59	MG	AA	3144	1/1	0.80	0.21	69,69,69,69	0
59	MG	DA	3844	1/1	0.80	0.20	109,109,109,109	0
59	MG	AA	4020	1/1	0.80	0.27	85,85,85,85	0
59	MG	AA	3165	1/1	0.80	0.22	53,53,53,53	0
59	MG	DG	203	1/1	0.80	0.21	64,64,64,64	0
59	MG	DH	205	1/1	0.80	0.16	77,77,77,77	0
59	MG	DA	3856	1/1	0.80	0.26	70,70,70,70	0
59	MG	CA	1954	1/1	0.80	0.49	90,90,90,90	0
59	MG	CV	103	1/1	0.80	0.14	84,84,84,84	0
59	MG	BA	1793	1/1	0.80	0.11	57,57,57,57	0
59	MG	BA	1796	1/1	0.80	0.42	77,77,77,77	0
59	MG	DO	218	1/1	0.80	0.19	74,74,74,74	0
59	MG	DA	3423	1/1	0.80	0.12	58,58,58,58	0
59	MG	CD	103	1/1	0.80	0.41	75,75,75,75	0
59	MG	DA	4852	1/1	0.80	0.28	142,142,142,142	0
59	MG	DA	4863	1/1	0.80	0.22	83,83,83,83	0
59	MG	DA	3473	1/1	0.80	0.19	44,44,44,44	0
59	MG	D1	202	1/1	0.80	0.24	57,57,57,57	0
59	MG	DA	4504	1/1	0.80	0.36	82,82,82,82	0
59	MG	CA	2194	1/1	0.80	0.20	101,101,101,101	0
59	MG	AA	4024	1/1	0.80	0.30	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	CA	2210	1/1	0.80	0.11	144,144,144,144	0
59	MG	AA	3497	1/1	0.80	0.26	80,80,80,80	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	AA	3212	1/1	0.80	0.36	78,78,78,78	0
59	MG	DA	3511	1/1	0.80	0.30	42,42,42,42	0
59	MG	DA	3525	1/1	0.80	0.18	43,43,43,43	0
59	MG	DA	4910	1/1	0.80	0.13	67,67,67,67	0
59	MG	CA	2220	1/1	0.80	0.32	112,112,112,112	0
59	MG	BQ	103	1/1	0.80	0.17	69,69,69,69	0
59	MG	DA	4549	1/1	0.80	0.13	98,98,98,98	0
59	MG	BA	2209	1/1	0.80	0.11	56,56,56,56	0
59	MG	BA	2066	1/1	0.81	0.39	105,105,105,105	0
59	MG	AU	206	1/1	0.81	0.25	75,75,75,75	0
59	MG	CA	2120	1/1	0.81	0.30	84,84,84,84	0
59	MG	AA	3902	1/1	0.81	0.11	111,111,111,111	0
59	MG	DA	3842	1/1	0.81	0.10	54,54,54,54	0
59	MG	DA	4890	1/1	0.81	0.39	96,96,96,96	0
59	MG	B1	101	1/1	0.81	0.25	60,60,60,60	0
59	MG	CA	1916	1/1	0.81	0.11	61,61,61,61	0
59	MG	CF	302	1/1	0.81	0.22	79,79,79,79	0
59	MG	DA	3345	1/1	0.81	0.42	80,80,80,80	0
59	MG	DA	4495	1/1	0.81	0.48	111,111,111,111	0
59	MG	DA	3356	1/1	0.81	0.30	58,58,58,58	0
59	MG	AA	3485	1/1	0.81	0.37	91,91,91,91	0
59	MG	AA	3805	1/1	0.81	0.33	94,94,94,94	0
59	MG	DA	4516	1/1	0.81	0.25	53,53,53,53	0
59	MG	BI	201	1/1	0.81	0.09	47,47,47,47	0
59	MG	DA	3371	1/1	0.81	0.25	73,73,73,73	0
59	MG	DA	3879	1/1	0.81	0.14	83,83,83,83	0
59	MG	CA	1928	1/1	0.81	0.16	78,78,78,78	0
59	MG	DA	4934	1/1	0.81	0.30	61,61,61,61	0
59	MG	BA	1932	1/1	0.81	0.12	107,107,107,107	0
59	MG	CA	2139	1/1	0.81	0.09	96,96,96,96	0
59	MG	CA	2149	1/1	0.81	0.39	103,103,103,103	0
59	MG	DA	3396	1/1	0.81	0.33	46,46,46,46	0
59	MG	BA	2083	1/1	0.81	0.17	86,86,86,86	0
59	MG	DA	3404	1/1	0.81	0.30	65,65,65,65	0
59	MG	DA	3406	1/1	0.81	0.31	59,59,59,59	0
59	MG	CA	2165	1/1	0.81	0.15	101,101,101,101	0
59	MG	DA	4562	1/1	0.81	0.23	46,46,46,46	0
59	MG	DA	3412	1/1	0.81	0.29	68,68,68,68	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	BA	2093	1/1	0.81	0.36	106,106,106,106	0
59	MG	DA	3968	1/1	0.81	0.30	55,55,55,55	0
59	MG	CM	203	1/1	0.81	0.67	89,89,89,89	0
59	MG	DA	4577	1/1	0.81	0.32	57,57,57,57	0
59	MG	AA	3855	1/1	0.81	0.10	72,72,72,72	0
59	MG	AA	3806	1/1	0.81	0.11	79,79,79,79	0
59	MG	CA	2175	1/1	0.81	0.21	89,89,89,89	0
59	MG	DA	4605	1/1	0.81	0.38	70,70,70,70	0
59	MG	DA	4006	1/1	0.81	0.42	71,71,71,71	0
59	MG	BA	1949	1/1	0.81	0.32	85,85,85,85	0
59	MG	BA	1729	1/1	0.81	0.38	69,69,69,69	0
59	MG	BA	1967	1/1	0.81	0.36	77,77,77,77	0
59	MG	DA	5014	1/1	0.81	0.29	64,64,64,64	0
59	MG	DA	3498	1/1	0.81	0.23	44,44,44,44	0
59	MG	DA	5027	1/1	0.81	0.41	85,85,85,85	0
59	MG	CA	2186	1/1	0.81	0.18	121,121,121,121	0
59	MG	AA	3914	1/1	0.81	0.21	78,78,78,78	0
59	MG	BA	1755	1/1	0.81	0.15	56,56,56,56	0
59	MG	AA	3997	1/1	0.81	0.16	78,78,78,78	0
59	MG	CD	106	1/1	0.81	0.27	88,88,88,88	0
59	MG	AA	4056	1/1	0.81	0.10	74,74,74,74	0
59	MG	DA	4658	1/1	0.81	0.26	76,76,76,76	0
59	MG	CA	2200	1/1	0.81	0.12	73,73,73,73	0
59	MG	DA	4665	1/1	0.81	0.20	76,76,76,76	0
59	MG	CA	1963	1/1	0.81	0.11	71,71,71,71	0
59	MG	CD	111	1/1	0.81	0.40	69,69,69,69	0
59	MG	CA	1966	1/1	0.81	0.19	69,69,69,69	0
59	MG	DA	4122	1/1	0.81	0.55	105,105,105,105	0
59	MG	DA	4123	1/1	0.81	0.18	75,75,75,75	0
59	MG	CA	1747	1/1	0.81	0.14	51,51,51,51	0
59	MG	BA	1762	1/1	0.81	0.29	78,78,78,78	0
59	MG	DA	4134	1/1	0.81	0.28	34,34,34,34	0
59	MG	DB	207	1/1	0.81	0.12	64,64,64,64	0
59	MG	DA	4705	1/1	0.81	0.58	93,93,93,93	0
59	MG	DA	4713	1/1	0.81	0.32	75,75,75,75	0
59	MG	BA	1766	1/1	0.81	0.11	74,74,74,74	0
59	MG	CA	1755	1/1	0.81	0.22	75,75,75,75	0
59	MG	CA	2222	1/1	0.81	0.14	72,72,72,72	0
59	MG	DA	4727	1/1	0.81	0.15	69,69,69,69	0
59	MG	CA	1759	1/1	0.81	0.28	75,75,75,75	0
59	MG	DA	4177	1/1	0.81	0.29	52,52,52,52	0
59	MG	AA	3114	1/1	0.81	0.33	97,97,97,97	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2233	1/1	0.81	0.23	60,60,60,60	0
59	MG	AA	3359	1/1	0.81	0.10	48,48,48,48	0
59	MG	BA	2238	1/1	0.81	0.14	95,95,95,95	0
59	MG	DA	4208	1/1	0.81	0.35	74,74,74,74	0
59	MG	DB	246	1/1	0.81	0.17	52,52,52,52	0
59	MG	DA	4215	1/1	0.81	0.23	53,53,53,53	0
59	MG	DA	4223	1/1	0.81	0.20	60,60,60,60	0
59	MG	BW	208	1/1	0.81	0.19	62,62,62,62	0
59	MG	DB	267	1/1	0.81	0.17	73,73,73,73	0
59	MG	CA	2027	1/1	0.81	0.44	110,110,110,110	0
59	MG	DA	4263	1/1	0.81	0.18	66,66,66,66	0
59	MG	BA	1865	1/1	0.81	0.12	75,75,75,75	0
59	MG	BA	2132	1/1	0.81	0.13	87,87,87,87	0
59	MG	AA	3496	1/1	0.81	0.10	63,63,63,63	0
59	MG	DE	311	1/1	0.81	0.24	42,42,42,42	0
59	MG	CA	2255	1/1	0.81	0.29	95,95,95,95	0
59	MG	CA	2259	1/1	0.81	0.20	67,67,67,67	0
59	MG	DA	4781	1/1	0.81	0.46	105,105,105,105	0
59	MG	CA	2041	1/1	0.81	0.16	64,64,64,64	0
59	MG	CC	106	1/1	0.81	0.24	60,60,60,60	0
59	MG	AA	3360	1/1	0.81	0.19	95,95,95,95	0
59	MG	CA	1827	1/1	0.81	0.25	101,101,101,101	0
59	MG	CA	2272	1/1	0.81	0.09	147,147,147,147	0
59	MG	DA	4802	1/1	0.81	0.33	75,75,75,75	0
59	MG	DM	206	1/1	0.81	0.39	85,85,85,85	0
59	MG	CC	123	1/1	0.81	0.17	74,74,74,74	0
59	MG	DO	216	1/1	0.81	0.35	58,58,58,58	0
59	MG	AA	3444	1/1	0.81	0.32	81,81,81,81	0
59	MG	AA	3928	1/1	0.81	0.14	71,71,71,71	0
59	MG	AA	3296	1/1	0.81	0.23	55,55,55,55	0
59	MG	DA	4360	1/1	0.81	0.12	57,57,57,57	0
59	MG	BA	1642	1/1	0.81	0.17	45,45,45,45	0
59	MG	AA	3452	1/1	0.81	0.19	97,97,97,97	0
59	MG	AA	3882	1/1	0.81	0.18	77,77,77,77	0
59	MG	BD	117	1/1	0.81	0.27	115,115,115,115	0
59	MG	D1	208	1/1	0.81	0.19	58,58,58,58	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	AA	3474	1/1	0.81	0.16	65,65,65,65	0
59	MG	DT	106	1/1	0.81	0.49	69,69,69,69	0
59	MG	DA	4833	1/1	0.81	0.33	76,76,76,76	0
59	MG	CA	2094	1/1	0.81	0.25	87,87,87,87	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3545	1/1	0.81	0.19	56,56,56,56	0
59	MG	DU	217	1/1	0.81	0.26	110,110,110,110	0
59	MG	AA	3341	1/1	0.81	0.16	57,57,57,57	0
59	MG	AA	3895	1/1	0.81	0.09	51,51,51,51	0
59	MG	DA	4851	1/1	0.81	0.20	139,139,139,139	0
59	MG	CA	2311	1/1	0.81	0.30	81,81,81,81	0
59	MG	AA	3841	1/1	0.81	0.25	85,85,85,85	0
59	MG	AA	4100	1/1	0.81	0.07	103,103,103,103	0
59	MG	DA	3268	1/1	0.81	0.27	50,50,50,50	0
59	MG	AA	3482	1/1	0.81	0.22	58,58,58,58	0
59	MG	DA	3121	1/1	0.82	0.30	51,51,51,51	0
59	MG	DA	4614	1/1	0.82	0.38	78,78,78,78	0
59	MG	CA	1763	1/1	0.82	0.17	39,39,39,39	0
59	MG	BD	103	1/1	0.82	0.17	58,58,58,58	0
59	MG	AA	3276	1/1	0.82	0.18	46,46,46,46	0
59	MG	BA	1647	1/1	0.82	0.21	78,78,78,78	0
59	MG	DA	4630	1/1	0.82	0.35	89,89,89,89	0
59	MG	DA	3619	1/1	0.82	0.17	59,59,59,59	0
59	MG	DA	3168	1/1	0.82	0.17	40,40,40,40	0
59	MG	DA	3180	1/1	0.82	0.12	77,77,77,77	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	3191	1/1	0.82	0.20	60,60,60,60	0
59	MG	DA	4990	1/1	0.82	0.27	70,70,70,70	0
59	MG	BA	1652	1/1	0.82	0.32	40,40,40,40	0
59	MG	CA	2181	1/1	0.82	0.17	73,73,73,73	0
59	MG	DA	3645	1/1	0.82	0.15	61,61,61,61	0
59	MG	CG	307	1/1	0.82	0.14	106,106,106,106	0
59	MG	BA	1656	1/1	0.82	0.18	57,57,57,57	0
59	MG	DA	3245	1/1	0.82	0.24	41,41,41,41	0
59	MG	DA	3247	1/1	0.82	0.23	72,72,72,72	0
59	MG	BA	1939	1/1	0.82	0.34	81,81,81,81	0
59	MG	DA	4691	1/1	0.82	0.14	114,114,114,114	0
59	MG	DA	3660	1/1	0.82	0.19	46,46,46,46	0
59	MG	AA	4110	1/1	0.82	0.09	102,102,102,102	0
59	MG	DA	3260	1/1	0.82	0.27	60,60,60,60	0
59	MG	CI	201	1/1	0.82	0.14	56,56,56,56	0
59	MG	DA	3267	1/1	0.82	0.30	72,72,72,72	0
59	MG	BA	2162	1/1	0.82	0.12	115,115,115,115	0
59	MG	BA	2270	1/1	0.82	0.30	100,100,100,100	0
59	MG	DA	3277	1/1	0.82	0.43	67,67,67,67	0
59	MG	BA	2069	1/1	0.82	0.49	105,105,105,105	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3714	1/1	0.82	0.20	70,70,70,70	0
59	MG	DA	3306	1/1	0.82	0.17	61,61,61,61	0
59	MG	DA	3747	1/1	0.82	0.12	75,75,75,75	0
59	MG	DA	3748	1/1	0.82	0.26	66,66,66,66	0
59	MG	AA	3387	1/1	0.82	0.16	40,40,40,40	0
59	MG	DA	3309	1/1	0.82	0.28	56,56,56,56	0
59	MG	CA	2209	1/1	0.82	0.17	68,68,68,68	0
59	MG	AF	301	1/1	0.82	0.11	73,73,73,73	0
59	MG	CR	103	1/1	0.82	0.20	70,70,70,70	0
59	MG	AA	3993	1/1	0.82	0.15	91,91,91,91	0
59	MG	BA	1971	1/1	0.82	0.34	98,98,98,98	0
59	MG	DA	4761	1/1	0.82	0.30	78,78,78,78	0
59	MG	DA	4765	1/1	0.82	0.09	120,120,120,120	0
59	MG	DA	4367	1/1	0.82	0.20	65,65,65,65	0
59	MG	DA	4376	1/1	0.82	0.20	60,60,60,60	0
59	MG	DA	3348	1/1	0.82	0.17	54,54,54,54	0
59	MG	DA	4388	1/1	0.82	0.27	80,80,80,80	0
59	MG	CA	2216	1/1	0.82	0.16	89,89,89,89	0
59	MG	A5	103	1/1	0.82	0.12	54,54,54,54	0
59	MG	CA	2049	1/1	0.82	0.39	113,113,113,113	0
59	MG	DA	3831	1/1	0.82	0.12	61,61,61,61	0
59	MG	AA	3243	1/1	0.82	0.27	99,99,99,99	0
59	MG	DA	3836	1/1	0.82	0.45	85,85,85,85	0
59	MG	AA	3285	1/1	0.82	0.12	62,62,62,62	0
59	MG	AA	3820	1/1	0.82	0.37	59,59,59,59	0
59	MG	DA	4440	1/1	0.82	0.35	54,54,54,54	0
59	MG	BB	112	1/1	0.82	0.23	107,107,107,107	0
59	MG	DA	4447	1/1	0.82	0.23	63,63,63,63	0
59	MG	CA	1864	1/1	0.82	0.28	82,82,82,82	0
59	MG	BA	2186	1/1	0.82	0.16	79,79,79,79	0
59	MG	DB	271	1/1	0.82	0.68	72,72,72,72	0
59	MG	CA	2075	1/1	0.82	0.21	84,84,84,84	0
59	MG	DA	3857	1/1	0.82	0.48	78,78,78,78	0
59	MG	AA	3724	1/1	0.82	0.23	65,65,65,65	0
59	MG	DE	306	1/1	0.82	0.11	45,45,45,45	0
59	MG	AA	3822	1/1	0.82	0.34	77,77,77,77	0
59	MG	CA	2080	1/1	0.82	0.28	83,83,83,83	0
59	MG	B1	102	1/1	0.82	0.10	72,72,72,72	0
59	MG	BA	1720	1/1	0.82	0.49	95,95,95,95	0
59	MG	DF	318	1/1	0.82	0.25	69,69,69,69	0
59	MG	DA	4486	1/1	0.82	0.14	63,63,63,63	0
59	MG	AA	3606	1/1	0.82	0.20	97,97,97,97	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3566	1/1	0.82	0.19	65,65,65,65	0
59	MG	CA	1912	1/1	0.82	0.41	81,81,81,81	0
59	MG	DA	3891	1/1	0.82	0.13	82,82,82,82	0
59	MG	DA	3452	1/1	0.82	0.29	68,68,68,68	0
59	MG	DL	201	1/1	0.82	0.10	94,94,94,94	0
59	MG	BA	2118	1/1	0.82	0.26	83,83,83,83	0
59	MG	BA	1805	1/1	0.82	0.42	99,99,99,99	0
59	MG	DA	4859	1/1	0.82	0.23	91,91,91,91	0
59	MG	BA	2120	1/1	0.82	0.10	67,67,67,67	0
59	MG	BA	2021	1/1	0.82	0.12	84,84,84,84	0
59	MG	AA	3701	1/1	0.82	0.13	55,55,55,55	0
59	MG	AA	3519	1/1	0.82	0.13	63,63,63,63	0
59	MG	BA	2217	1/1	0.82	0.14	108,108,108,108	0
59	MG	BA	1731	1/1	0.82	0.29	46,46,46,46	0
59	MG	DA	3979	1/1	0.82	0.31	82,82,82,82	0
59	MG	CB	113	1/1	0.82	0.18	72,72,72,72	0
59	MG	DA	3512	1/1	0.82	0.28	66,66,66,66	0
59	MG	AA	3804	1/1	0.82	0.15	94,94,94,94	0
59	MG	D2	210	1/1	0.82	0.56	98,98,98,98	0
59	MG	BA	2136	1/1	0.82	0.11	117,117,117,117	0
59	MG	DS	202	1/1	0.82	0.24	71,71,71,71	0
59	MG	DA	4896	1/1	0.82	0.19	74,74,74,74	0
59	MG	DA	3528	1/1	0.82	0.14	45,45,45,45	0
59	MG	CA	2297	1/1	0.82	0.17	71,71,71,71	0
59	MG	BA	1638	1/1	0.82	0.20	51,51,51,51	0
59	MG	BW	201	1/1	0.82	0.17	88,88,88,88	0
59	MG	DA	4570	1/1	0.82	0.23	59,59,59,59	0
59	MG	BA	1822	1/1	0.82	0.09	97,97,97,97	0
59	MG	AT	101	1/1	0.82	0.55	70,70,70,70	0
59	MG	BA	1829	1/1	0.82	0.17	75,75,75,75	0
59	MG	CA	2142	1/1	0.82	0.51	110,110,110,110	0
59	MG	BA	2141	1/1	0.82	0.26	80,80,80,80	0
59	MG	CA	2150	1/1	0.82	0.17	85,85,85,85	0
59	MG	DX	102	1/1	0.82	0.14	62,62,62,62	0
59	MG	CA	2160	1/1	0.82	0.20	96,96,96,96	0
59	MG	AA	3089	1/1	0.82	0.37	70,70,70,70	0
59	MG	BA	2148	1/1	0.82	0.14	110,110,110,110	0
59	MG	DA	4240	1/1	0.83	0.43	70,70,70,70	0
59	MG	BA	2009	1/1	0.83	0.13	63,63,63,63	0
59	MG	DA	4978	1/1	0.83	0.28	57,57,57,57	0
59	MG	DA	3407	1/1	0.83	0.33	70,70,70,70	0
59	MG	AA	3238	1/1	0.83	0.18	63,63,63,63	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
59	MG	AA	4064	1/1	0.83	0.11	76,76,76,76	0
59	MG	BA	1777	1/1	0.83	0.23	57,57,57,57	0
59	MG	DA	4276	1/1	0.83	1.07	75,75,75,75	0
59	MG	AA	3148	1/1	0.83	0.13	53,53,53,53	0
59	MG	CA	1712	1/1	0.83	0.34	67,67,67,67	0
59	MG	DA	4284	1/1	0.83	0.22	52,52,52,52	0
59	MG	DA	4295	1/1	0.83	0.17	48,48,48,48	0
59	MG	DA	4296	1/1	0.83	0.63	105,105,105,105	0
59	MG	DA	3447	1/1	0.83	0.22	48,48,48,48	0
59	MG	DA	3820	1/1	0.83	0.11	97,97,97,97	0
59	MG	CA	1951	1/1	0.83	0.08	82,82,82,82	0
59	MG	DA	4310	1/1	0.83	0.19	56,56,56,56	0
59	MG	DA	3829	1/1	0.83	0.12	66,66,66,66	0
59	MG	AA	4011	1/1	0.83	0.30	122,122,122,122	0
59	MG	AA	3951	1/1	0.83	0.09	98,98,98,98	0
59	MG	DA	4328	1/1	0.83	0.32	59,59,59,59	0
59	MG	DA	4329	1/1	0.83	0.21	63,63,63,63	0
59	MG	DA	3484	1/1	0.83	0.34	76,76,76,76	0
59	MG	AA	3286	1/1	0.83	0.18	67,67,67,67	0
59	MG	BW	203	1/1	0.83	0.29	125,125,125,125	0
59	MG	CA	2155	1/1	0.83	0.19	65,65,65,65	0
59	MG	BA	2030	1/1	0.83	0.33	71,71,71,71	0
59	MG	AA	3448	1/1	0.83	0.28	93,93,93,93	0
59	MG	AA	4082	1/1	0.83	0.17	75,75,75,75	0
59	MG	AA	4016	1/1	0.83	0.37	111,111,111,111	0
59	MG	BA	2142	1/1	0.83	0.15	84,84,84,84	0
59	MG	DA	3514	1/1	0.83	0.32	94,94,94,94	0
59	MG	CA	2169	1/1	0.83	0.36	95,95,95,95	0
59	MG	DA	4398	1/1	0.83	0.24	46,46,46,46	0
59	MG	CA	1979	1/1	0.83	0.13	58,58,58,58	0
59	MG	A1	201	1/1	0.83	0.17	60,60,60,60	0
59	MG	AA	3188	1/1	0.83	0.22	52,52,52,52	0
59	MG	AA	3765	1/1	0.83	0.30	74,74,74,74	0
59	MG	CA	1787	1/1	0.83	0.08	59,59,59,59	0
59	MG	AA	3910	1/1	0.83	0.12	76,76,76,76	0
59	MG	DA	3182	1/1	0.83	0.34	65,65,65,65	0
59	MG	CA	1794	1/1	0.83	0.19	124,124,124,124	0
59	MG	DA	3574	1/1	0.83	0.08	71,71,71,71	0
59	MG	BA	2151	1/1	0.83	0.20	81,81,81,81	0
59	MG	BA	1688	1/1	0.83	0.32	61,61,61,61	0
59	MG	DA	4451	1/1	0.83	0.32	63,63,63,63	0
59	MG	AA	3670	1/1	0.83	0.14	54,54,54,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	4035	1/1	0.83	0.20	75,75,75,75	0
59	MG	DA	4800	1/1	0.83	0.16	49,49,49,49	0
59	MG	DA	3931	1/1	0.83	0.16	83,83,83,83	0
59	MG	DA	3948	1/1	0.83	0.16	127,127,127,127	0
59	MG	BA	2160	1/1	0.83	0.15	95,95,95,95	0
59	MG	DA	4478	1/1	0.83	0.23	65,65,65,65	0
59	MG	AA	3517	1/1	0.83	0.27	69,69,69,69	0
59	MG	AA	3879	1/1	0.83	0.12	91,91,91,91	0
59	MG	AB	211	1/1	0.83	0.35	77,77,77,77	0
59	MG	CA	2045	1/1	0.83	0.18	66,66,66,66	0
59	MG	DA	3605	1/1	0.83	0.14	29,29,29,29	0
59	MG	DA	3606	1/1	0.83	0.39	88,88,88,88	0
59	MG	DD	313	1/1	0.83	0.15	64,64,64,64	0
59	MG	AA	4103	1/1	0.83	0.25	54,54,54,54	0
59	MG	AA	3189	1/1	0.83	0.13	52,52,52,52	0
59	MG	DA	4009	1/1	0.83	0.17	98,98,98,98	0
59	MG	AA	3796	1/1	0.83	0.19	94,94,94,94	0
59	MG	DA	4502	1/1	0.83	0.35	62,62,62,62	0
59	MG	DA	4021	1/1	0.83	0.33	76,76,76,76	0
59	MG	DA	3266	1/1	0.83	0.34	57,57,57,57	0
59	MG	CA	1850	1/1	0.83	0.20	100,100,100,100	0
59	MG	CA	2221	1/1	0.83	0.13	72,72,72,72	0
59	MG	AA	4109	1/1	0.83	0.13	81,81,81,81	0
59	MG	BA	2087	1/1	0.83	0.20	81,81,81,81	0
59	MG	DA	4533	1/1	0.83	0.53	88,88,88,88	0
59	MG	AA	3477	1/1	0.83	0.28	65,65,65,65	0
59	MG	DA	4060	1/1	0.83	0.09	52,52,52,52	0
59	MG	BB	110	1/1	0.83	0.19	69,69,69,69	0
59	MG	DA	3641	1/1	0.83	0.23	60,60,60,60	0
59	MG	AB	221	1/1	0.83	0.17	61,61,61,61	0
59	MG	AA	3335	1/1	0.83	0.18	83,83,83,83	0
59	MG	DP	204	1/1	0.83	0.23	51,51,51,51	0
59	MG	CA	2237	1/1	0.83	0.17	62,62,62,62	0
59	MG	AA	3638	1/1	0.83	0.32	51,51,51,51	0
59	MG	D0	208	1/1	0.83	0.24	72,72,72,72	0
59	MG	DA	4551	1/1	0.83	0.32	118,118,118,118	0
59	MG	AA	3936	1/1	0.83	0.24	83,83,83,83	0
59	MG	AA	4119	1/1	0.83	0.36	112,112,112,112	0
59	MG	BA	1765	1/1	0.83	0.17	82,82,82,82	0
59	MG	BK	202	1/1	0.83	0.30	80,80,80,80	0
59	MG	CD	112	1/1	0.83	0.13	142,142,142,142	0
59	MG	BA	2189	1/1	0.83	0.11	140,140,140,140	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	CA	2258	1/1	0.83	0.18	75,75,75,75	0
59	MG	AA	3309	1/1	0.83	0.14	54,54,54,54	0
59	MG	CA	2260	1/1	0.83	0.13	67,67,67,67	0
59	MG	CA	1638	1/1	0.83	0.23	51,51,51,51	0
59	MG	DT	101	1/1	0.83	0.16	54,54,54,54	0
59	MG	DA	4180	1/1	0.83	0.23	66,66,66,66	0
59	MG	DA	4595	1/1	0.83	0.34	84,84,84,84	0
59	MG	CA	2266	1/1	0.83	0.23	73,73,73,73	0
59	MG	DA	3739	1/1	0.83	0.17	51,51,51,51	0
59	MG	DA	4186	1/1	0.83	0.24	45,45,45,45	0
59	MG	DU	218	1/1	0.83	0.49	73,73,73,73	0
59	MG	DA	4617	1/1	0.83	0.20	54,54,54,54	0
59	MG	AA	4124	1/1	0.83	0.18	107,107,107,107	0
59	MG	DA	4200	1/1	0.83	0.18	61,61,61,61	0
59	MG	AA	3315	1/1	0.83	0.16	49,49,49,49	0
59	MG	DZ	104	1/1	0.83	0.50	59,59,59,59	0
59	MG	BA	2001	1/1	0.83	0.34	96,96,96,96	0
59	MG	DA	4629	1/1	0.83	0.26	107,107,107,107	0
59	MG	CA	1677	1/1	0.83	0.26	89,89,89,89	0
59	MG	BA	2208	1/1	0.83	0.35	105,105,105,105	0
59	MG	AA	4005	1/1	0.83	0.12	63,63,63,63	0
59	MG	DA	3507	1/1	0.84	0.20	66,66,66,66	0
59	MG	DA	4498	1/1	0.84	0.08	82,82,82,82	0
59	MG	DA	3949	1/1	0.84	0.15	132,132,132,132	0
59	MG	AA	3332	1/1	0.84	0.10	83,83,83,83	0
59	MG	CA	1791	1/1	0.84	0.15	87,87,87,87	0
59	MG	CB	109	1/1	0.84	0.10	60,60,60,60	0
59	MG	AA	3445	1/1	0.84	0.13	63,63,63,63	0
59	MG	BA	2113	1/1	0.84	0.30	92,92,92,92	0
59	MG	AA	3569	1/1	0.84	0.19	75,75,75,75	0
59	MG	AR	204	1/1	0.84	0.08	76,76,76,76	0
59	MG	DA	4004	1/1	0.84	0.62	90,90,90,90	0
59	MG	CA	2059	1/1	0.84	0.15	95,95,95,95	0
59	MG	DA	4925	1/1	0.84	0.28	73,73,73,73	0
59	MG	BA	2221	1/1	0.84	0.13	75,75,75,75	0
59	MG	AA	3350	1/1	0.84	0.12	36,36,36,36	0
59	MG	BA	1827	1/1	0.84	0.17	101,101,101,101	0
59	MG	BA	1704	1/1	0.84	0.18	67,67,67,67	0
59	MG	DA	4544	1/1	0.84	0.30	76,76,76,76	0
59	MG	CC	112	1/1	0.84	0.13	63,63,63,63	0
59	MG	BA	2237	1/1	0.84	0.11	77,77,77,77	0
59	MG	AA	4066	1/1	0.84	0.17	82,82,82,82	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	4142	1/1	0.84	0.39	104,104,104,104	0
59	MG	BA	1718	1/1	0.84	0.26	43,43,43,43	0
59	MG	DA	3077	1/1	0.84	0.15	47,47,47,47	0
59	MG	CA	2286	1/1	0.84	0.16	67,67,67,67	0
59	MG	AA	3740	1/1	0.84	0.13	60,60,60,60	0
59	MG	DA	4066	1/1	0.84	0.11	59,59,59,59	0
59	MG	DA	4080	1/1	0.84	0.34	89,89,89,89	0
59	MG	DA	4576	1/1	0.84	0.39	87,87,87,87	0
59	MG	DA	3118	1/1	0.84	0.30	69,69,69,69	0
59	MG	AA	3827	1/1	0.84	0.21	62,62,62,62	0
59	MG	DA	4982	1/1	0.84	0.60	53,53,53,53	0
59	MG	CA	1851	1/1	0.84	0.10	100,100,100,100	0
59	MG	DA	4592	1/1	0.84	0.29	77,77,77,77	0
59	MG	BA	2255	1/1	0.84	0.14	61,61,61,61	0
59	MG	AA	3575	1/1	0.84	0.31	51,51,51,51	0
59	MG	DA	4597	1/1	0.84	0.15	59,59,59,59	0
59	MG	DA	3610	1/1	0.84	0.12	45,45,45,45	0
59	MG	DA	3154	1/1	0.84	0.29	46,46,46,46	0
59	MG	DA	4125	1/1	0.84	0.32	76,76,76,76	0
59	MG	AA	3831	1/1	0.84	0.13	77,77,77,77	0
59	MG	BA	1852	1/1	0.84	0.17	105,105,105,105	0
59	MG	AA	3672	1/1	0.84	0.16	55,55,55,55	0
59	MG	CA	2305	1/1	0.84	0.25	81,81,81,81	0
59	MG	CA	1860	1/1	0.84	0.26	107,107,107,107	0
59	MG	AA	3576	1/1	0.84	0.17	37,37,37,37	0
59	MG	CA	1885	1/1	0.84	0.29	49,49,49,49	0
59	MG	AA	3421	1/1	0.84	0.12	43,43,43,43	0
59	MG	AA	3393	1/1	0.84	0.15	63,63,63,63	0
59	MG	BA	1862	1/1	0.84	0.12	77,77,77,77	0
59	MG	CA	2316	1/1	0.84	0.26	75,75,75,75	0
59	MG	DA	5043	1/1	0.84	0.10	73,73,73,73	0
59	MG	DA	5044	1/1	0.84	0.49	93,93,93,93	0
59	MG	DA	3646	1/1	0.84	0.27	53,53,53,53	0
59	MG	DA	3208	1/1	0.84	0.26	72,72,72,72	0
59	MG	DA	5051	1/1	0.84	0.40	103,103,103,103	0
59	MG	AA	3541	1/1	0.84	0.18	49,49,49,49	0
59	MG	DA	3652	1/1	0.84	0.16	93,93,93,93	0
59	MG	DA	4663	1/1	0.84	0.21	69,69,69,69	0
59	MG	AA	3697	1/1	0.84	0.28	78,78,78,78	0
59	MG	BA	2032	1/1	0.84	0.24	70,70,70,70	0
59	MG	DA	4222	1/1	0.84	0.29	54,54,54,54	0
59	MG	CA	2321	1/1	0.84	0.19	90,90,90,90	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3659	1/1	0.84	0.23	61,61,61,61	0
59	MG	BC	114	1/1	0.84	0.20	58,58,58,58	0
59	MG	DA	3661	1/1	0.84	0.15	68,68,68,68	0
59	MG	DA	4693	1/1	0.84	0.30	62,62,62,62	0
59	MG	DA	4252	1/1	0.84	0.19	60,60,60,60	0
59	MG	CA	1910	1/1	0.84	0.24	54,54,54,54	0
59	MG	AA	3766	1/1	0.84	0.20	86,86,86,86	0
59	MG	DB	212	1/1	0.84	0.27	71,71,71,71	0
59	MG	AA	4095	1/1	0.84	0.15	58,58,58,58	0
59	MG	AA	3182	1/1	0.84	0.18	60,60,60,60	0
59	MG	AA	3543	1/1	0.84	0.14	77,77,77,77	0
59	MG	AA	3544	1/1	0.84	0.19	62,62,62,62	0
59	MG	DB	227	1/1	0.84	0.14	59,59,59,59	0
59	MG	CG	309	1/1	0.84	0.36	78,78,78,78	0
59	MG	DA	4724	1/1	0.84	0.24	89,89,89,89	0
59	MG	BA	1905	1/1	0.84	0.11	74,74,74,74	0
59	MG	DA	4285	1/1	0.84	0.36	70,70,70,70	0
59	MG	DA	3736	1/1	0.84	0.17	100,100,100,100	0
59	MG	AA	3789	1/1	0.84	0.18	55,55,55,55	0
59	MG	DA	4734	1/1	0.84	0.40	71,71,71,71	0
59	MG	BA	2060	1/1	0.84	0.38	73,73,73,73	0
59	MG	BH	204	1/1	0.84	0.17	72,72,72,72	0
59	MG	DA	4741	1/1	0.84	0.20	62,62,62,62	0
59	MG	AA	3102	1/1	0.84	0.15	65,65,65,65	0
59	MG	CA	1940	1/1	0.84	0.26	67,67,67,67	0
59	MG	DA	4745	1/1	0.84	0.28	53,53,53,53	0
59	MG	DA	3320	1/1	0.84	0.13	14,14,14,14	0
59	MG	DA	3761	1/1	0.84	0.15	90,90,90,90	0
59	MG	DA	3765	1/1	0.84	0.28	61,61,61,61	0
59	MG	BA	2063	1/1	0.84	0.11	65,65,65,65	0
59	MG	CA	1680	1/1	0.84	0.23	40,40,40,40	0
59	MG	DA	3343	1/1	0.84	0.36	58,58,58,58	0
59	MG	AA	4022	1/1	0.84	0.17	62,62,62,62	0
59	MG	DA	4770	1/1	0.84	0.29	93,93,93,93	0
59	MG	AA	3320	1/1	0.84	0.20	69,69,69,69	0
59	MG	BK	203	1/1	0.84	0.09	69,69,69,69	0
59	MG	DA	4775	1/1	0.84	0.40	86,86,86,86	0
59	MG	DA	4776	1/1	0.84	0.07	72,72,72,72	0
59	MG	BA	1780	1/1	0.84	0.48	85,85,85,85	0
59	MG	AA	3712	1/1	0.84	0.31	57,57,57,57	0
59	MG	DA	3809	1/1	0.84	0.20	82,82,82,82	0
59	MG	AA	3065	1/1	0.84	0.17	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4379	1/1	0.84	0.15	74,74,74,74	0
59	MG	AA	3958	1/1	0.84	0.31	94,94,94,94	0
59	MG	AA	3959	1/1	0.84	0.33	96,96,96,96	0
59	MG	AD	312	1/1	0.84	0.22	79,79,79,79	0
59	MG	CA	1715	1/1	0.84	0.12	62,62,62,62	0
59	MG	DA	4798	1/1	0.84	0.11	72,72,72,72	0
59	MG	DA	4403	1/1	0.84	0.28	83,83,83,83	0
59	MG	AA	3407	1/1	0.84	0.43	78,78,78,78	0
59	MG	DA	4409	1/1	0.84	0.25	75,75,75,75	0
59	MG	CD	102	1/1	0.84	0.20	64,64,64,64	0
59	MG	CA	1730	1/1	0.84	0.10	38,38,38,38	0
59	MG	CA	1743	1/1	0.84	0.17	81,81,81,81	0
59	MG	AA	3235	1/1	0.84	0.21	48,48,48,48	0
59	MG	DA	4430	1/1	0.84	0.18	83,83,83,83	0
59	MG	CA	1987	1/1	0.84	0.23	73,73,73,73	0
59	MG	AA	3146	1/1	0.84	0.24	78,78,78,78	0
59	MG	D2	209	1/1	0.84	0.32	74,74,74,74	0
59	MG	CA	2219	1/1	0.84	0.22	57,57,57,57	0
59	MG	DA	3411	1/1	0.84	0.20	56,56,56,56	0
59	MG	DA	4828	1/1	0.84	0.29	103,103,103,103	0
59	MG	AA	3886	1/1	0.84	0.38	103,103,103,103	0
59	MG	AA	3976	1/1	0.84	0.20	86,86,86,86	0
59	MG	AA	3374	1/1	0.84	0.15	46,46,46,46	0
59	MG	DT	102	1/1	0.84	0.23	60,60,60,60	0
59	MG	CA	2016	1/1	0.84	0.46	80,80,80,80	0
59	MG	DU	205	1/1	0.84	0.34	75,75,75,75	0
59	MG	DA	3439	1/1	0.84	0.34	86,86,86,86	0
59	MG	DA	3882	1/1	0.84	0.36	43,43,43,43	0
59	MG	AA	3271	1/1	0.84	0.31	83,83,83,83	0
59	MG	DA	3451	1/1	0.84	0.51	76,76,76,76	0
59	MG	BS	109	1/1	0.84	0.15	110,110,110,110	0
59	MG	DA	3471	1/1	0.84	0.21	27,27,27,27	0
59	MG	CD	127	1/1	0.84	0.55	101,101,101,101	0
59	MG	DA	4864	1/1	0.84	0.27	93,93,93,93	0
59	MG	CA	1766	1/1	0.84	0.22	59,59,59,59	0
59	MG	CA	2235	1/1	0.84	0.23	70,70,70,70	0
59	MG	BA	2106	1/1	0.84	0.31	104,104,104,104	0
59	MG	BA	1943	1/1	0.84	0.14	72,72,72,72	0
59	MG	BA	1676	1/1	0.84	0.17	84,84,84,84	0
59	MG	CA	1780	1/1	0.84	0.28	56,56,56,56	0
59	MG	CA	1784	1/1	0.84	0.20	54,54,54,54	0
59	MG	CA	2182	1/1	0.85	0.24	78,78,78,78	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1957	1/1	0.85	0.41	80,80,80,80	0
59	MG	BA	1964	1/1	0.85	0.46	78,78,78,78	0
59	MG	CA	2187	1/1	0.85	0.42	80,80,80,80	0
59	MG	AB	206	1/1	0.85	0.16	76,76,76,76	0
59	MG	DA	3653	1/1	0.85	0.30	61,61,61,61	0
59	MG	DA	4133	1/1	0.85	0.19	47,47,47,47	0
59	MG	AA	3885	1/1	0.85	0.19	51,51,51,51	0
59	MG	DA	3302	1/1	0.85	0.34	50,50,50,50	0
59	MG	DA	4947	1/1	0.85	0.33	87,87,87,87	0
59	MG	AA	4017	1/1	0.85	0.14	96,96,96,96	0
59	MG	BA	1721	1/1	0.85	0.20	71,71,71,71	0
59	MG	AA	3317	1/1	0.85	0.17	57,57,57,57	0
59	MG	DA	4173	1/1	0.85	0.18	60,60,60,60	0
59	MG	DA	4598	1/1	0.85	0.23	71,71,71,71	0
59	MG	DA	4960	1/1	0.85	0.25	77,77,77,77	0
59	MG	CA	2204	1/1	0.85	0.28	87,87,87,87	0
59	MG	DA	4611	1/1	0.85	0.20	82,82,82,82	0
59	MG	AA	3354	1/1	0.85	0.07	53,53,53,53	0
59	MG	AA	3760	1/1	0.85	0.36	85,85,85,85	0
59	MG	AA	3533	1/1	0.85	0.18	44,44,44,44	0
59	MG	AA	3198	1/1	0.85	0.20	34,34,34,34	0
59	MG	AA	4025	1/1	0.85	0.23	86,86,86,86	0
59	MG	CA	2007	1/1	0.85	0.31	78,78,78,78	0
59	MG	BA	1743	1/1	0.85	0.08	43,43,43,43	0
59	MG	DA	3721	1/1	0.85	0.15	51,51,51,51	0
59	MG	DA	4994	1/1	0.85	0.19	98,98,98,98	0
59	MG	DA	3722	1/1	0.85	0.20	83,83,83,83	0
59	MG	AA	3210	1/1	0.85	0.18	39,39,39,39	0
59	MG	CA	1795	1/1	0.85	0.19	109,109,109,109	0
59	MG	DA	3366	1/1	0.85	0.13	35,35,35,35	0
59	MG	DA	4231	1/1	0.85	0.49	42,42,42,42	0
59	MG	DA	4653	1/1	0.85	0.21	69,69,69,69	0
59	MG	AA	3773	1/1	0.85	0.21	76,76,76,76	0
59	MG	CA	1800	1/1	0.85	0.07	89,89,89,89	0
59	MG	CA	1813	1/1	0.85	0.33	116,116,116,116	0
59	MG	DA	5019	1/1	0.85	0.21	62,62,62,62	0
59	MG	DA	5026	1/1	0.85	1.09	42,42,42,42	0
59	MG	AA	3088	1/1	0.85	0.15	51,51,51,51	0
59	MG	AA	3163	1/1	0.85	0.22	65,65,65,65	0
59	MG	AA	3693	1/1	0.85	0.16	52,52,52,52	0
59	MG	BA	2019	1/1	0.85	0.36	80,80,80,80	0
59	MG	AA	3792	1/1	0.85	0.53	82,82,82,82	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	4118	1/1	0.85	0.13	67,67,67,67	0
59	MG	DA	4685	1/1	0.85	0.21	64,64,64,64	0
59	MG	AA	3729	1/1	0.85	0.33	69,69,69,69	0
59	MG	AA	3912	1/1	0.85	0.37	91,91,91,91	0
59	MG	DA	5047	1/1	0.85	0.32	79,79,79,79	0
59	MG	CA	2248	1/1	0.85	0.18	72,72,72,72	0
59	MG	DA	4292	1/1	0.85	0.26	62,62,62,62	0
59	MG	BA	1886	1/1	0.85	0.37	64,64,64,64	0
59	MG	DA	3409	1/1	0.85	0.24	44,44,44,44	0
59	MG	CA	1844	1/1	0.85	0.13	57,57,57,57	0
59	MG	DA	3797	1/1	0.85	0.20	95,95,95,95	0
59	MG	CA	1846	1/1	0.85	0.13	90,90,90,90	0
59	MG	DA	5060	1/1	0.85	0.21	64,64,64,64	0
59	MG	AA	4050	1/1	0.85	0.09	70,70,70,70	0
59	MG	DA	3814	1/1	0.85	0.19	67,67,67,67	0
59	MG	CA	1849	1/1	0.85	0.21	75,75,75,75	0
59	MG	DA	5074	1/1	0.85	0.09	67,67,67,67	0
59	MG	BA	1894	1/1	0.85	0.47	83,83,83,83	0
59	MG	DA	4327	1/1	0.85	0.20	51,51,51,51	0
59	MG	DA	3435	1/1	0.85	0.21	49,49,49,49	0
59	MG	DA	4730	1/1	0.85	0.20	57,57,57,57	0
59	MG	AA	3797	1/1	0.85	0.28	96,96,96,96	0
59	MG	BE	304	1/1	0.85	0.38	85,85,85,85	0
59	MG	BA	1903	1/1	0.85	0.04	71,71,71,71	0
59	MG	DA	4347	1/1	0.85	0.23	58,58,58,58	0
59	MG	AF	306	1/1	0.85	0.17	77,77,77,77	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	DA	3472	1/1	0.85	0.32	55,55,55,55	0
59	MG	CA	2092	1/1	0.85	0.43	94,94,94,94	0
59	MG	BA	1650	1/1	0.85	0.06	52,52,52,52	0
59	MG	CA	1603	1/1	0.85	0.42	80,80,80,80	0
59	MG	DB	234	1/1	0.85	0.20	64,64,64,64	0
59	MG	BA	2046	1/1	0.85	0.17	95,95,95,95	0
59	MG	DA	4386	1/1	0.85	0.18	49,49,49,49	0
59	MG	BA	2051	1/1	0.85	0.22	108,108,108,108	0
59	MG	CC	111	1/1	0.85	0.31	68,68,68,68	0
59	MG	DA	4397	1/1	0.85	0.14	56,56,56,56	0
59	MG	BA	1783	1/1	0.85	0.20	81,81,81,81	0
59	MG	AA	3738	1/1	0.85	0.19	66,66,66,66	0
59	MG	AH	201	1/1	0.85	0.09	78,78,78,78	0
59	MG	DB	268	1/1	0.85	0.25	81,81,81,81	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4405	1/1	0.85	0.17	40,40,40,40	0
59	MG	DA	4407	1/1	0.85	0.34	85,85,85,85	0
59	MG	AA	3367	1/1	0.85	0.28	49,49,49,49	0
59	MG	C1	102	1/1	0.85	0.22	68,68,68,68	0
59	MG	AA	3219	1/1	0.85	0.30	81,81,81,81	0
59	MG	AA	4001	1/1	0.85	0.25	83,83,83,83	0
59	MG	DA	3523	1/1	0.85	0.41	82,82,82,82	0
59	MG	DA	3898	1/1	0.85	0.10	130,130,130,130	0
59	MG	DA	3900	1/1	0.85	0.09	143,143,143,143	0
59	MG	CA	1897	1/1	0.85	0.40	71,71,71,71	0
59	MG	AA	3584	1/1	0.85	0.55	85,85,85,85	0
59	MG	CA	1683	1/1	0.85	0.20	47,47,47,47	0
59	MG	AA	3810	1/1	0.85	0.28	85,85,85,85	0
59	MG	CA	1914	1/1	0.85	0.12	58,58,58,58	0
59	MG	DH	203	1/1	0.85	0.18	78,78,78,78	0
59	MG	DA	3538	1/1	0.85	0.20	79,79,79,79	0
59	MG	CA	1915	1/1	0.85	0.12	108,108,108,108	0
59	MG	DA	4458	1/1	0.85	0.16	51,51,51,51	0
59	MG	AA	3931	1/1	0.85	0.20	86,86,86,86	0
59	MG	CA	1693	1/1	0.85	0.21	60,60,60,60	0
59	MG	AA	3432	1/1	0.85	0.30	83,83,83,83	0
59	MG	CA	1698	1/1	0.85	0.35	101,101,101,101	0
59	MG	DA	4477	1/1	0.85	0.19	61,61,61,61	0
59	MG	DA	3974	1/1	0.85	0.42	61,61,61,61	0
59	MG	BA	2075	1/1	0.85	0.53	101,101,101,101	0
59	MG	DA	3981	1/1	0.85	0.51	87,87,87,87	0
59	MG	DA	3169	1/1	0.85	0.17	59,59,59,59	0
59	MG	AA	3935	1/1	0.85	0.14	55,55,55,55	0
59	MG	CA	2152	1/1	0.85	0.39	42,42,42,42	0
59	MG	CA	2154	1/1	0.85	0.16	75,75,75,75	0
59	MG	DA	4837	1/1	0.85	0.18	55,55,55,55	0
59	MG	DA	3189	1/1	0.85	0.22	26,26,26,26	0
59	MG	AA	3064	1/1	0.85	0.27	90,90,90,90	0
59	MG	BA	1933	1/1	0.85	0.29	63,63,63,63	0
59	MG	CA	2162	1/1	0.85	0.09	79,79,79,79	0
59	MG	BA	2195	1/1	0.85	0.14	67,67,67,67	0
59	MG	BA	2084	1/1	0.85	0.29	90,90,90,90	0
59	MG	AA	3751	1/1	0.85	0.22	48,48,48,48	0
59	MG	DA	4505	1/1	0.85	0.27	97,97,97,97	0
59	MG	DA	3214	1/1	0.85	0.35	57,57,57,57	0
59	MG	AA	4013	1/1	0.85	0.09	119,119,119,119	0
59	MG	DA	4041	1/1	0.85	0.32	101,101,101,101	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4042	1/1	0.85	0.34	71,71,71,71	0
59	MG	DA	4044	1/1	0.85	0.09	107,107,107,107	0
59	MG	DA	4881	1/1	0.85	0.26	85,85,85,85	0
59	MG	DA	3230	1/1	0.85	0.23	43,43,43,43	0
59	MG	DA	4050	1/1	0.85	0.21	66,66,66,66	0
59	MG	BA	1699	1/1	0.85	0.23	90,90,90,90	0
59	MG	AA	3752	1/1	0.85	0.21	71,71,71,71	0
59	MG	DA	3255	1/1	0.85	0.25	72,72,72,72	0
59	MG	DU	219	1/1	0.85	0.19	72,72,72,72	0
59	MG	BA	1707	1/1	0.85	0.35	59,59,59,59	0
59	MG	DA	4899	1/1	0.85	0.19	65,65,65,65	0
59	MG	DV	303	1/1	0.85	0.18	67,67,67,67	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	DZ	101	1/1	0.85	0.21	87,87,87,87	0
59	MG	CA	2179	1/1	0.85	0.23	80,80,80,80	0
59	MG	CA	1752	1/1	0.85	0.16	53,53,53,53	0
59	MG	DA	3640	1/1	0.85	0.18	54,54,54,54	0
59	MG	AA	3097	1/1	0.85	0.10	73,73,73,73	0
59	MG	DA	4102	1/1	0.85	0.19	70,70,70,70	0
59	MG	D7	105	1/1	0.85	0.17	52,52,52,52	0
59	MG	DA	3642	1/1	0.85	0.19	42,42,42,42	0
59	MG	BA	1657	1/1	0.86	0.29	63,63,63,63	0
59	MG	DA	4493	1/1	0.86	0.30	107,107,107,107	0
59	MG	CA	1990	1/1	0.86	0.14	64,64,64,64	0
59	MG	DA	3518	1/1	0.86	0.21	65,65,65,65	0
59	MG	DA	3520	1/1	0.86	0.22	95,95,95,95	0
59	MG	DA	4497	1/1	0.86	0.36	43,43,43,43	0
59	MG	AF	305	1/1	0.86	0.27	89,89,89,89	0
59	MG	CA	1996	1/1	0.86	0.25	94,94,94,94	0
59	MG	CA	1765	1/1	0.86	0.35	56,56,56,56	0
59	MG	AA	3632	1/1	0.86	0.22	43,43,43,43	0
59	MG	CA	2005	1/1	0.86	0.10	55,55,55,55	0
59	MG	DA	4513	1/1	0.86	0.16	75,75,75,75	0
59	MG	AA	3288	1/1	0.86	0.08	51,51,51,51	0
59	MG	DA	3994	1/1	0.86	0.39	48,48,48,48	0
59	MG	DA	3998	1/1	0.86	0.38	46,46,46,46	0
59	MG	DA	4524	1/1	0.86	0.41	50,50,50,50	0
59	MG	CA	1770	1/1	0.86	0.16	56,56,56,56	0
59	MG	DA	3547	1/1	0.86	0.41	68,68,68,68	0
59	MG	AA	3524	1/1	0.86	0.14	50,50,50,50	0
59	MG	CA	2017	1/1	0.86	0.22	57,57,57,57	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2089	1/1	0.86	0.09	56,56,56,56	0
59	MG	DA	3567	1/1	0.86	0.17	47,47,47,47	0
59	MG	DA	3572	1/1	0.86	0.22	51,51,51,51	0
59	MG	CC	124	1/1	0.86	0.30	77,77,77,77	0
59	MG	BA	2092	1/1	0.86	0.15	77,77,77,77	0
59	MG	AA	3988	1/1	0.86	0.27	64,64,64,64	0
59	MG	DA	4954	1/1	0.86	0.11	73,73,73,73	0
59	MG	DA	4955	1/1	0.86	0.31	82,82,82,82	0
59	MG	CA	2028	1/1	0.86	0.23	71,71,71,71	0
59	MG	CA	2252	1/1	0.86	0.13	85,85,85,85	0
59	MG	DA	4961	1/1	0.86	0.21	68,68,68,68	0
59	MG	AA	3989	1/1	0.86	0.16	74,74,74,74	0
59	MG	AA	3454	1/1	0.86	0.17	67,67,67,67	0
59	MG	DA	4559	1/1	0.86	0.26	52,52,52,52	0
59	MG	DA	3119	1/1	0.86	0.25	60,60,60,60	0
59	MG	AA	4052	1/1	0.86	0.11	73,73,73,73	0
59	MG	AA	3460	1/1	0.86	0.13	28,28,28,28	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	3539	1/1	0.86	0.09	50,50,50,50	0
59	MG	DA	4079	1/1	0.86	0.25	66,66,66,66	0
59	MG	AA	3110	1/1	0.86	0.20	59,59,59,59	0
59	MG	CA	2268	1/1	0.86	0.27	86,86,86,86	0
59	MG	DA	4580	1/1	0.86	0.18	69,69,69,69	0
59	MG	DA	3161	1/1	0.86	0.31	55,55,55,55	0
59	MG	CA	2048	1/1	0.86	0.15	77,77,77,77	0
59	MG	DA	5002	1/1	0.86	0.17	89,89,89,89	0
59	MG	DA	3617	1/1	0.86	0.32	82,82,82,82	0
59	MG	CA	1802	1/1	0.86	0.13	76,76,76,76	0
59	MG	AA	3213	1/1	0.86	0.18	51,51,51,51	0
59	MG	AR	205	1/1	0.86	0.25	54,54,54,54	0
59	MG	BA	2225	1/1	0.86	0.13	98,98,98,98	0
59	MG	DA	4600	1/1	0.86	0.23	57,57,57,57	0
59	MG	BA	1981	1/1	0.86	0.11	68,68,68,68	0
59	MG	DA	4127	1/1	0.86	0.29	70,70,70,70	0
59	MG	CA	2060	1/1	0.86	0.12	44,44,44,44	0
59	MG	DA	3629	1/1	0.86	0.14	29,29,29,29	0
59	MG	BA	2232	1/1	0.86	0.14	103,103,103,103	0
59	MG	AA	3180	1/1	0.86	0.14	62,62,62,62	0
59	MG	DA	5038	1/1	0.86	0.21	84,84,84,84	0
59	MG	DA	4621	1/1	0.86	0.30	92,92,92,92	0
59	MG	BA	1831	1/1	0.86	0.11	81,81,81,81	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4143	1/1	0.86	0.27	63,63,63,63	0
59	MG	AA	3925	1/1	0.86	0.17	71,71,71,71	0
59	MG	BA	2242	1/1	0.86	0.18	57,57,57,57	0
59	MG	DA	3643	1/1	0.86	0.24	62,62,62,62	0
59	MG	DA	4159	1/1	0.86	0.18	62,62,62,62	0
59	MG	DA	3207	1/1	0.86	0.34	45,45,45,45	0
59	MG	AA	3484	1/1	0.86	0.10	66,66,66,66	0
59	MG	AA	3194	1/1	0.86	0.14	56,56,56,56	0
59	MG	AA	4074	1/1	0.86	0.22	94,94,94,94	0
59	MG	BA	2127	1/1	0.86	0.10	50,50,50,50	0
59	MG	AA	3733	1/1	0.86	0.23	72,72,72,72	0
59	MG	BA	2256	1/1	0.86	0.27	76,76,76,76	0
59	MG	DA	3655	1/1	0.86	0.45	86,86,86,86	0
59	MG	AA	3736	1/1	0.86	0.18	72,72,72,72	0
59	MG	BA	2131	1/1	0.86	0.18	61,61,61,61	0
59	MG	DA	4210	1/1	0.86	0.21	53,53,53,53	0
59	MG	AA	3420	1/1	0.86	0.26	68,68,68,68	0
59	MG	CA	2106	1/1	0.86	0.11	83,83,83,83	0
59	MG	AA	3596	1/1	0.86	0.14	65,65,65,65	0
59	MG	AA	3938	1/1	0.86	0.24	76,76,76,76	0
59	MG	DA	3668	1/1	0.86	0.13	80,80,80,80	0
59	MG	AA	3054	1/1	0.86	0.10	44,44,44,44	0
59	MG	CA	1859	1/1	0.86	0.28	106,106,106,106	0
59	MG	DA	4246	1/1	0.86	0.19	64,64,64,64	0
59	MG	DA	4699	1/1	0.86	0.28	92,92,92,92	0
59	MG	CA	2118	1/1	0.86	0.18	82,82,82,82	0
59	MG	DB	225	1/1	0.86	0.14	76,76,76,76	0
59	MG	B1	104	1/1	0.86	0.09	116,116,116,116	0
59	MG	CA	2324	1/1	0.86	0.30	89,89,89,89	0
59	MG	AA	3689	1/1	0.86	0.09	61,61,61,61	0
59	MG	CA	1617	1/1	0.86	0.18	33,33,33,33	0
59	MG	BA	1744	1/1	0.86	0.20	54,54,54,54	0
59	MG	AA	3944	1/1	0.86	0.14	71,71,71,71	0
59	MG	DA	3728	1/1	0.86	0.27	42,42,42,42	0
59	MG	DA	4280	1/1	0.86	0.09	91,91,91,91	0
59	MG	CA	1633	1/1	0.86	0.52	105,105,105,105	0
59	MG	DA	3311	1/1	0.86	0.19	65,65,65,65	0
59	MG	CA	2127	1/1	0.86	0.43	88,88,88,88	0
59	MG	DB	254	1/1	0.86	0.28	66,66,66,66	0
59	MG	AA	3813	1/1	0.86	0.13	99,99,99,99	0
59	MG	DA	3322	1/1	0.86	0.14	36,36,36,36	0
59	MG	AA	4096	1/1	0.86	0.40	114,114,114,114	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3751	1/1	0.86	0.17	97,97,97,97	0
59	MG	BA	2146	1/1	0.86	0.27	81,81,81,81	0
59	MG	AB	216	1/1	0.86	0.23	53,53,53,53	0
59	MG	CA	1675	1/1	0.86	0.32	53,53,53,53	0
59	MG	CA	1905	1/1	0.86	0.16	81,81,81,81	0
59	MG	AB	217	1/1	0.86	0.37	87,87,87,87	0
59	MG	CK	203	1/1	0.86	0.46	68,68,68,68	0
59	MG	AA	3884	1/1	0.86	0.16	94,94,94,94	0
59	MG	CA	1913	1/1	0.86	0.15	52,52,52,52	0
59	MG	DE	309	1/1	0.86	0.45	49,49,49,49	0
59	MG	CA	1678	1/1	0.86	0.49	65,65,65,65	0
59	MG	DA	4336	1/1	0.86	0.28	73,73,73,73	0
59	MG	CA	1679	1/1	0.86	0.29	60,60,60,60	0
59	MG	BA	1892	1/1	0.86	0.09	75,75,75,75	0
59	MG	DA	4352	1/1	0.86	0.30	69,69,69,69	0
59	MG	CA	1919	1/1	0.86	0.13	50,50,50,50	0
59	MG	DG	205	1/1	0.86	0.30	64,64,64,64	0
59	MG	DH	202	1/1	0.86	0.16	59,59,59,59	0
59	MG	BA	2152	1/1	0.86	0.20	83,83,83,83	0
59	MG	DA	4362	1/1	0.86	0.44	74,74,74,74	0
59	MG	BA	1768	1/1	0.86	0.20	75,75,75,75	0
59	MG	BA	2039	1/1	0.86	0.21	138,138,138,138	0
59	MG	AA	3096	1/1	0.86	0.18	67,67,67,67	0
59	MG	CA	2170	1/1	0.86	0.11	70,70,70,70	0
59	MG	CA	2172	1/1	0.86	0.30	95,95,95,95	0
59	MG	BA	1624	1/1	0.86	0.18	84,84,84,84	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	AA	3557	1/1	0.86	0.32	89,89,89,89	0
59	MG	DA	3835	1/1	0.86	0.16	61,61,61,61	0
59	MG	BA	2044	1/1	0.86	0.09	62,62,62,62	0
59	MG	AA	4102	1/1	0.86	0.21	90,90,90,90	0
59	MG	D0	205	1/1	0.86	0.35	41,41,41,41	0
59	MG	DA	4801	1/1	0.86	0.18	54,54,54,54	0
59	MG	CA	1938	1/1	0.86	0.18	87,87,87,87	0
59	MG	CA	1701	1/1	0.86	0.20	56,56,56,56	0
59	MG	CA	1941	1/1	0.86	0.41	91,91,91,91	0
59	MG	AA	3749	1/1	0.86	0.36	33,33,33,33	0
59	MG	CA	2185	1/1	0.86	0.11	87,87,87,87	0
59	MG	BA	2166	1/1	0.86	0.12	96,96,96,96	0
59	MG	CA	1948	1/1	0.86	0.11	97,97,97,97	0
59	MG	DA	3864	1/1	0.86	0.15	69,69,69,69	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2190	1/1	0.86	0.13	62,62,62,62	0
59	MG	DA	4825	1/1	0.86	0.21	63,63,63,63	0
59	MG	BA	1776	1/1	0.86	0.09	79,79,79,79	0
59	MG	AA	4105	1/1	0.86	0.10	106,106,106,106	0
59	MG	AA	3750	1/1	0.86	0.10	66,66,66,66	0
59	MG	DA	3465	1/1	0.86	0.38	56,56,56,56	0
59	MG	AA	3612	1/1	0.86	0.28	106,106,106,106	0
59	MG	CA	2197	1/1	0.86	0.13	107,107,107,107	0
59	MG	CA	2198	1/1	0.86	0.11	81,81,81,81	0
59	MG	AA	4033	1/1	0.86	0.34	83,83,83,83	0
59	MG	DU	208	1/1	0.86	0.21	52,52,52,52	0
59	MG	DU	209	1/1	0.86	0.37	96,96,96,96	0
59	MG	DA	3483	1/1	0.86	0.26	61,61,61,61	0
59	MG	DA	4452	1/1	0.86	0.21	50,50,50,50	0
59	MG	CA	1732	1/1	0.86	0.17	48,48,48,48	0
59	MG	DA	4455	1/1	0.86	0.21	45,45,45,45	0
59	MG	BA	2178	1/1	0.86	0.28	141,141,141,141	0
59	MG	DA	3901	1/1	0.86	0.22	30,30,30,30	0
59	MG	DA	4860	1/1	0.86	0.26	64,64,64,64	0
59	MG	CA	1745	1/1	0.86	0.26	56,56,56,56	0
59	MG	DA	3905	1/1	0.86	0.21	61,61,61,61	0
59	MG	D3	102	1/1	0.86	0.17	47,47,47,47	0
59	MG	BA	1784	1/1	0.86	0.09	54,54,54,54	0
59	MG	DA	3907	1/1	0.86	0.15	83,83,83,83	0
59	MG	DA	3495	1/1	0.86	0.21	51,51,51,51	0
59	MG	BA	1646	1/1	0.86	0.15	82,82,82,82	0
59	MG	AA	3369	1/1	0.86	0.15	81,81,81,81	0
59	MG	AA	3426	1/1	0.86	0.10	64,64,64,64	0
59	MG	DA	3920	1/1	0.86	0.21	50,50,50,50	0
59	MG	AA	3628	1/1	0.86	0.35	62,62,62,62	0
59	MG	AA	3266	1/1	0.86	0.19	73,73,73,73	0
59	MG	AT	103	1/1	0.87	0.21	85,85,85,85	0
59	MG	DA	3564	1/1	0.87	0.41	83,83,83,83	0
59	MG	DA	3990	1/1	0.87	0.13	31,31,31,31	0
59	MG	C1	104	1/1	0.87	0.24	71,71,71,71	0
59	MG	DA	4909	1/1	0.87	0.26	70,70,70,70	0
59	MG	AA	3835	1/1	0.87	0.15	56,56,56,56	0
59	MG	DA	3997	1/1	0.87	0.16	57,57,57,57	0
59	MG	CA	2022	1/1	0.87	0.32	88,88,88,88	0
59	MG	AU	203	1/1	0.87	0.23	74,74,74,74	0
59	MG	AB	208	1/1	0.87	0.09	57,57,57,57	0
59	MG	AA	4021	1/1	0.87	0.09	80,80,80,80	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3461	1/1	0.87	0.19	58,58,58,58	0
59	MG	AA	3464	1/1	0.87	0.20	61,61,61,61	0
59	MG	AA	3611	1/1	0.87	0.08	70,70,70,70	0
59	MG	DA	4522	1/1	0.87	0.25	64,64,64,64	0
59	MG	DA	4028	1/1	0.87	0.24	48,48,48,48	0
59	MG	DA	4029	1/1	0.87	0.16	65,65,65,65	0
59	MG	DA	4532	1/1	0.87	0.44	45,45,45,45	0
59	MG	BA	2171	1/1	0.87	0.34	132,132,132,132	0
59	MG	DA	3588	1/1	0.87	0.14	54,54,54,54	0
59	MG	AA	3795	1/1	0.87	0.13	106,106,106,106	0
59	MG	DA	3142	1/1	0.87	0.28	73,73,73,73	0
59	MG	CA	2043	1/1	0.87	0.51	100,100,100,100	0
59	MG	DA	3600	1/1	0.87	0.20	59,59,59,59	0
59	MG	AB	215	1/1	0.87	0.14	70,70,70,70	0
59	MG	BA	1748	1/1	0.87	0.30	66,66,66,66	0
59	MG	DA	4051	1/1	0.87	0.22	94,94,94,94	0
59	MG	BA	1888	1/1	0.87	0.28	67,67,67,67	0
59	MG	DA	4958	1/1	0.87	0.16	64,64,64,64	0
59	MG	A7	101	1/1	0.87	0.73	77,77,77,77	0
59	MG	BA	2050	1/1	0.87	0.26	85,85,85,85	0
59	MG	AA	4032	1/1	0.87	0.46	102,102,102,102	0
59	MG	CA	2056	1/1	0.87	0.64	120,120,120,120	0
59	MG	CA	1817	1/1	0.87	0.14	85,85,85,85	0
59	MG	A7	103	1/1	0.87	0.30	45,45,45,45	0
59	MG	DA	4571	1/1	0.87	0.15	61,61,61,61	0
59	MG	DA	3623	1/1	0.87	0.33	89,89,89,89	0
59	MG	BA	1896	1/1	0.87	0.07	83,83,83,83	0
59	MG	BA	1898	1/1	0.87	0.15	49,49,49,49	0
59	MG	DA	3193	1/1	0.87	0.15	71,71,71,71	0
59	MG	DA	4110	1/1	0.87	0.24	51,51,51,51	0
59	MG	BD	106	1/1	0.87	0.40	91,91,91,91	0
59	MG	BA	1758	1/1	0.87	0.21	54,54,54,54	0
59	MG	DA	4581	1/1	0.87	0.14	55,55,55,55	0
59	MG	AA	3690	1/1	0.87	0.20	64,64,64,64	0
59	MG	DA	4583	1/1	0.87	0.17	51,51,51,51	0
59	MG	BA	2197	1/1	0.87	0.25	136,136,136,136	0
59	MG	A8	104	1/1	0.87	0.29	68,68,68,68	0
59	MG	BA	2201	1/1	0.87	0.29	85,85,85,85	0
59	MG	AA	3439	1/1	0.87	0.15	71,71,71,71	0
59	MG	DA	3644	1/1	0.87	0.35	84,84,84,84	0
59	MG	CA	1845	1/1	0.87	0.09	108,108,108,108	0
59	MG	AA	3863	1/1	0.87	0.18	72,72,72,72	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4604	1/1	0.87	0.17	111,111,111,111	0
59	MG	BA	2207	1/1	0.87	0.42	103,103,103,103	0
59	MG	DA	4610	1/1	0.87	0.09	114,114,114,114	0
59	MG	CA	2309	1/1	0.87	0.31	92,92,92,92	0
59	MG	DA	3256	1/1	0.87	0.23	50,50,50,50	0
59	MG	AA	3476	1/1	0.87	0.16	47,47,47,47	0
59	MG	AA	3294	1/1	0.87	0.13	64,64,64,64	0
59	MG	BA	2210	1/1	0.87	0.09	78,78,78,78	0
59	MG	DA	4168	1/1	0.87	0.14	33,33,33,33	0
59	MG	DA	3656	1/1	0.87	0.24	81,81,81,81	0
59	MG	AA	3529	1/1	0.87	0.15	29,29,29,29	0
59	MG	DA	3263	1/1	0.87	0.15	24,24,24,24	0
59	MG	AA	3171	1/1	0.87	0.45	50,50,50,50	0
59	MG	BA	2080	1/1	0.87	0.12	61,61,61,61	0
59	MG	BB	107	1/1	0.87	0.21	83,83,83,83	0
59	MG	AA	3052	1/1	0.87	0.17	60,60,60,60	0
59	MG	AA	3540	1/1	0.87	0.27	61,61,61,61	0
59	MG	DA	3672	1/1	0.87	0.30	76,76,76,76	0
59	MG	AA	3025	1/1	0.87	0.29	38,38,38,38	0
59	MG	AA	3999	1/1	0.87	0.15	57,57,57,57	0
59	MG	CA	1865	1/1	0.87	0.19	67,67,67,67	0
59	MG	DA	5063	1/1	0.87	0.39	52,52,52,52	0
59	MG	DA	4218	1/1	0.87	0.10	51,51,51,51	0
59	MG	CA	1878	1/1	0.87	0.15	26,26,26,26	0
59	MG	AB	230	1/1	0.87	0.16	76,76,76,76	0
59	MG	DA	3689	1/1	0.87	0.20	67,67,67,67	0
59	MG	DA	3690	1/1	0.87	0.27	111,111,111,111	0
59	MG	DA	4234	1/1	0.87	0.28	37,37,37,37	0
59	MG	BC	106	1/1	0.87	0.14	58,58,58,58	0
59	MG	DA	3715	1/1	0.87	0.21	75,75,75,75	0
59	MG	BA	2091	1/1	0.87	0.37	108,108,108,108	0
59	MG	CG	306	1/1	0.87	0.11	124,124,124,124	0
59	MG	DA	4258	1/1	0.87	0.32	64,64,64,64	0
59	MG	DB	213	1/1	0.87	0.27	64,64,64,64	0
59	MG	AA	3358	1/1	0.87	0.15	95,95,95,95	0
59	MG	DB	215	1/1	0.87	0.32	66,66,66,66	0
59	MG	BC	115	1/1	0.87	0.13	106,106,106,106	0
59	MG	AB	234	1/1	0.87	0.25	105,105,105,105	0
59	MG	CA	2138	1/1	0.87	0.42	91,91,91,91	0
59	MG	DA	3333	1/1	0.87	0.19	78,78,78,78	0
59	MG	BA	2096	1/1	0.87	0.27	51,51,51,51	0
59	MG	AD	311	1/1	0.87	0.13	54,54,54,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3036	1/1	0.87	0.07	36,36,36,36	0
59	MG	DA	4281	1/1	0.87	0.22	51,51,51,51	0
59	MG	DA	4720	1/1	0.87	0.13	88,88,88,88	0
59	MG	CK	202	1/1	0.87	0.24	79,79,79,79	0
59	MG	BA	1934	1/1	0.87	0.54	84,84,84,84	0
59	MG	CA	1907	1/1	0.87	0.26	66,66,66,66	0
59	MG	AE	304	1/1	0.87	0.19	83,83,83,83	0
59	MG	AA	3583	1/1	0.87	0.43	72,72,72,72	0
59	MG	CA	2156	1/1	0.87	0.32	92,92,92,92	0
59	MG	CA	1627	1/1	0.87	0.24	49,49,49,49	0
59	MG	CQ	104	1/1	0.87	0.08	56,56,56,56	0
59	MG	DB	266	1/1	0.87	0.18	51,51,51,51	0
59	MG	AA	3329	1/1	0.87	0.12	66,66,66,66	0
59	MG	BA	2246	1/1	0.87	0.19	125,125,125,125	0
59	MG	DA	4740	1/1	0.87	0.29	78,78,78,78	0
59	MG	BA	1940	1/1	0.87	0.36	79,79,79,79	0
59	MG	AA	3590	1/1	0.87	0.10	78,78,78,78	0
59	MG	BA	2251	1/1	0.87	0.43	89,89,89,89	0
59	MG	AG	201	1/1	0.87	0.12	86,86,86,86	0
59	MG	DD	301	1/1	0.87	0.41	45,45,45,45	0
59	MG	BA	1661	1/1	0.87	0.13	83,83,83,83	0
59	MG	BA	2114	1/1	0.87	0.10	71,71,71,71	0
59	MG	DA	3815	1/1	0.87	0.21	83,83,83,83	0
59	MG	AA	4006	1/1	0.87	0.11	65,65,65,65	0
59	MG	DA	4342	1/1	0.87	0.29	93,93,93,93	0
59	MG	DA	4343	1/1	0.87	0.30	58,58,58,58	0
59	MG	DA	4345	1/1	0.87	0.12	58,58,58,58	0
59	MG	AA	3080	1/1	0.87	0.14	41,41,41,41	0
59	MG	DA	4349	1/1	0.87	0.31	77,77,77,77	0
59	MG	DG	201	1/1	0.87	0.26	68,68,68,68	0
59	MG	DA	3825	1/1	0.87	0.16	77,77,77,77	0
59	MG	DA	3828	1/1	0.87	0.19	70,70,70,70	0
59	MG	BA	1959	1/1	0.87	0.21	64,64,64,64	0
59	MG	AA	3229	1/1	0.87	0.19	56,56,56,56	0
59	MG	BA	1806	1/1	0.87	0.16	78,78,78,78	0
59	MG	BA	2268	1/1	0.87	0.17	87,87,87,87	0
59	MG	DA	3424	1/1	0.87	0.12	47,47,47,47	0
59	MG	DA	3840	1/1	0.87	0.13	58,58,58,58	0
59	MG	BA	1668	1/1	0.87	0.12	56,56,56,56	0
59	MG	AA	3499	1/1	0.87	0.29	101,101,101,101	0
59	MG	DA	4788	1/1	0.87	0.10	97,97,97,97	0
59	MG	BA	2272	1/1	0.87	0.23	75,75,75,75	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4794	1/1	0.87	0.35	86,86,86,86	0
59	MG	AA	3772	1/1	0.87	0.15	103,103,103,103	0
59	MG	BA	1978	1/1	0.87	0.31	73,73,73,73	0
59	MG	CA	1950	1/1	0.87	0.21	86,86,86,86	0
59	MG	D0	202	1/1	0.87	0.21	62,62,62,62	0
59	MG	AA	3553	1/1	0.87	0.21	73,73,73,73	0
59	MG	BA	1820	1/1	0.87	0.13	84,84,84,84	0
59	MG	AA	3830	1/1	0.87	0.08	83,83,83,83	0
59	MG	DA	4805	1/1	0.87	0.33	74,74,74,74	0
59	MG	BA	1680	1/1	0.87	0.11	55,55,55,55	0
59	MG	CA	1959	1/1	0.87	0.17	56,56,56,56	0
59	MG	DR	204	1/1	0.87	0.19	40,40,40,40	0
59	MG	BA	1683	1/1	0.87	0.15	51,51,51,51	0
59	MG	DA	3874	1/1	0.87	0.51	69,69,69,69	0
59	MG	CA	1961	1/1	0.87	0.30	70,70,70,70	0
59	MG	DA	4414	1/1	0.87	0.16	59,59,59,59	0
59	MG	D1	210	1/1	0.87	0.35	66,66,66,66	0
59	MG	DA	4821	1/1	0.87	0.14	54,54,54,54	0
59	MG	CA	2201	1/1	0.87	0.09	80,80,80,80	0
59	MG	BA	1991	1/1	0.87	0.29	91,91,91,91	0
59	MG	AA	3366	1/1	0.87	0.09	53,53,53,53	0
59	MG	DA	4422	1/1	0.87	0.31	71,71,71,71	0
59	MG	AA	4080	1/1	0.87	0.47	71,71,71,71	0
59	MG	CA	1729	1/1	0.87	0.27	46,46,46,46	0
59	MG	DA	3496	1/1	0.87	0.14	47,47,47,47	0
59	MG	AA	3960	1/1	0.87	0.17	101,101,101,101	0
59	MG	AA	3779	1/1	0.87	0.13	86,86,86,86	0
59	MG	CA	2215	1/1	0.87	0.19	63,63,63,63	0
59	MG	BA	2007	1/1	0.87	0.22	106,106,106,106	0
59	MG	BA	1700	1/1	0.87	0.23	46,46,46,46	0
59	MG	CA	1746	1/1	0.87	0.35	62,62,62,62	0
59	MG	DU	213	1/1	0.87	0.34	70,70,70,70	0
59	MG	CA	1988	1/1	0.87	0.10	57,57,57,57	0
59	MG	AA	4084	1/1	0.87	0.08	86,86,86,86	0
59	MG	AA	4154	1/1	0.87	0.20	89,89,89,89	0
59	MG	DA	3522	1/1	0.87	0.35	63,63,63,63	0
59	MG	DA	4861	1/1	0.87	0.28	74,74,74,74	0
59	MG	CC	108	1/1	0.87	0.14	57,57,57,57	0
59	MG	BA	2017	1/1	0.87	0.47	85,85,85,85	0
59	MG	AA	4018	1/1	0.87	0.34	56,56,56,56	0
59	MG	AA	3965	1/1	0.87	0.09	111,111,111,111	0
59	MG	AA	4090	1/1	0.87	0.11	78,78,78,78	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	BA	1853	1/1	0.87	0.23	103,103,103,103	0
59	MG	DA	3957	1/1	0.87	0.14	62,62,62,62	0
59	MG	DW	101	1/1	0.87	0.26	49,49,49,49	0
59	MG	CC	118	1/1	0.87	0.24	66,66,66,66	0
59	MG	BA	2158	1/1	0.87	0.41	77,77,77,77	0
59	MG	DA	3975	1/1	0.87	0.14	50,50,50,50	0
59	MG	D7	101	1/1	0.87	0.33	52,52,52,52	0
59	MG	BA	2026	1/1	0.87	0.11	128,128,128,128	0
59	MG	CC	125	1/1	0.87	0.14	52,52,52,52	0
59	MG	DA	3560	1/1	0.87	0.19	36,36,36,36	0
59	MG	DA	4506	1/1	0.88	0.30	65,65,65,65	0
59	MG	AA	3437	1/1	0.88	0.13	51,51,51,51	0
59	MG	BA	1996	1/1	0.88	0.32	86,86,86,86	0
59	MG	DA	3215	1/1	0.88	0.19	84,84,84,84	0
59	MG	BA	2000	1/1	0.88	0.17	93,93,93,93	0
59	MG	DA	4048	1/1	0.88	0.10	75,75,75,75	0
59	MG	DA	4920	1/1	0.88	0.16	61,61,61,61	0
59	MG	DA	3226	1/1	0.88	0.21	44,44,44,44	0
59	MG	CE	303	1/1	0.88	0.12	83,83,83,83	0
59	MG	DA	3627	1/1	0.88	0.20	40,40,40,40	0
59	MG	DA	4054	1/1	0.88	0.62	108,108,108,108	0
59	MG	AA	3502	1/1	0.88	0.20	55,55,55,55	0
59	MG	DA	4057	1/1	0.88	0.32	87,87,87,87	0
59	MG	CE	306	1/1	0.88	0.22	96,96,96,96	0
59	MG	DA	4935	1/1	0.88	0.70	105,105,105,105	0
59	MG	BA	1872	1/1	0.88	0.27	103,103,103,103	0
59	MG	DA	4063	1/1	0.88	0.20	52,52,52,52	0
59	MG	AA	3979	1/1	0.88	0.34	94,94,94,94	0
59	MG	DA	3634	1/1	0.88	0.24	54,54,54,54	0
59	MG	BA	2218	1/1	0.88	0.17	80,80,80,80	0
59	MG	BA	1773	1/1	0.88	0.19	80,80,80,80	0
59	MG	DA	4083	1/1	0.88	0.23	52,52,52,52	0
59	MG	AA	3636	1/1	0.88	0.09	48,48,48,48	0
59	MG	DA	4095	1/1	0.88	0.27	115,115,115,115	0
59	MG	BA	2013	1/1	0.88	0.10	67,67,67,67	0
59	MG	CA	1756	1/1	0.88	0.15	53,53,53,53	0
59	MG	CA	1953	1/1	0.88	0.07	80,80,80,80	0
59	MG	DA	4566	1/1	0.88	0.18	64,64,64,64	0
59	MG	AA	3637	1/1	0.88	0.12	54,54,54,54	0
59	MG	DA	4119	1/1	0.88	0.12	47,47,47,47	0
59	MG	BA	2125	1/1	0.88	0.11	65,65,65,65	0
59	MG	BA	2227	1/1	0.88	0.32	72,72,72,72	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3746	1/1	0.88	0.14	66,66,66,66	0
59	MG	BA	1667	1/1	0.88	0.22	62,62,62,62	0
59	MG	BD	110	1/1	0.88	0.10	81,81,81,81	0
59	MG	A1	204	1/1	0.88	0.85	65,65,65,65	0
59	MG	DA	4984	1/1	0.88	0.28	90,90,90,90	0
59	MG	AA	3703	1/1	0.88	0.08	51,51,51,51	0
59	MG	AA	3917	1/1	0.88	0.30	98,98,98,98	0
59	MG	CA	1777	1/1	0.88	0.32	49,49,49,49	0
59	MG	AA	3270	1/1	0.88	0.26	72,72,72,72	0
59	MG	DA	4139	1/1	0.88	0.21	36,36,36,36	0
59	MG	CA	1972	1/1	0.88	0.30	68,68,68,68	0
59	MG	DA	4996	1/1	0.88	0.18	85,85,85,85	0
59	MG	BA	1786	1/1	0.88	0.39	57,57,57,57	0
59	MG	AA	3867	1/1	0.88	0.10	41,41,41,41	0
59	MG	DA	5000	1/1	0.88	0.45	71,71,71,71	0
59	MG	CA	1789	1/1	0.88	0.05	99,99,99,99	0
59	MG	DA	4155	1/1	0.88	0.34	89,89,89,89	0
59	MG	CA	1982	1/1	0.88	0.19	59,59,59,59	0
59	MG	DA	4603	1/1	0.88	0.23	55,55,55,55	0
59	MG	CA	2188	1/1	0.88	0.08	79,79,79,79	0
59	MG	CA	1984	1/1	0.88	0.28	49,49,49,49	0
59	MG	CV	102	1/1	0.88	0.15	63,63,63,63	0
59	MG	AA	3364	1/1	0.88	0.21	57,57,57,57	0
59	MG	DA	3347	1/1	0.88	0.27	29,29,29,29	0
59	MG	AA	3994	1/1	0.88	0.11	68,68,68,68	0
59	MG	DA	5028	1/1	0.88	0.18	66,66,66,66	0
59	MG	DA	5031	1/1	0.88	0.34	68,68,68,68	0
59	MG	AA	3022	1/1	0.88	0.24	63,63,63,63	0
59	MG	BA	1916	1/1	0.88	0.16	56,56,56,56	0
59	MG	DA	3713	1/1	0.88	0.36	70,70,70,70	0
59	MG	BB	105	1/1	0.88	0.10	85,85,85,85	0
59	MG	BA	2253	1/1	0.88	0.11	103,103,103,103	0
59	MG	BA	1689	1/1	0.88	0.07	64,64,64,64	0
59	MG	DA	4211	1/1	0.88	0.20	47,47,47,47	0
59	MG	CD	107	1/1	0.88	0.16	57,57,57,57	0
59	MG	CA	2004	1/1	0.88	0.13	61,61,61,61	0
59	MG	DA	3376	1/1	0.88	0.12	18,18,18,18	0
59	MG	CA	1812	1/1	0.88	0.13	45,45,45,45	0
59	MG	DA	4649	1/1	0.88	0.20	41,41,41,41	0
59	MG	DA	4227	1/1	0.88	0.08	51,51,51,51	0
59	MG	DA	3384	1/1	0.88	0.32	56,56,56,56	0
59	MG	AA	3181	1/1	0.88	0.20	51,51,51,51	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3713	1/1	0.88	0.20	83,83,83,83	0
59	MG	DA	4236	1/1	0.88	0.12	52,52,52,52	0
59	MG	AA	3816	1/1	0.88	0.44	73,73,73,73	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	DA	3397	1/1	0.88	0.21	65,65,65,65	0
59	MG	CA	2211	1/1	0.88	0.48	90,90,90,90	0
59	MG	DA	3758	1/1	0.88	0.24	100,100,100,100	0
59	MG	CD	121	1/1	0.88	0.10	133,133,133,133	0
59	MG	CD	122	1/1	0.88	0.38	84,84,84,84	0
59	MG	DA	4264	1/1	0.88	0.17	58,58,58,58	0
59	MG	BA	2261	1/1	0.88	0.07	81,81,81,81	0
59	MG	AA	3478	1/1	0.88	0.15	59,59,59,59	0
59	MG	BC	101	1/1	0.88	0.13	53,53,53,53	0
59	MG	AA	3818	1/1	0.88	0.34	80,80,80,80	0
59	MG	AA	3661	1/1	0.88	0.26	70,70,70,70	0
59	MG	DA	3414	1/1	0.88	0.25	45,45,45,45	0
59	MG	BA	2047	1/1	0.88	0.18	107,107,107,107	0
59	MG	DA	3419	1/1	0.88	0.18	32,32,32,32	0
59	MG	AA	3356	1/1	0.88	0.12	62,62,62,62	0
59	MG	DA	3805	1/1	0.88	0.30	66,66,66,66	0
59	MG	AA	3405	1/1	0.88	0.37	73,73,73,73	0
59	MG	DA	4719	1/1	0.88	0.23	54,54,54,54	0
59	MG	CA	2034	1/1	0.88	0.24	61,61,61,61	0
59	MG	DB	229	1/1	0.88	0.17	83,83,83,83	0
59	MG	DA	3431	1/1	0.88	0.36	61,61,61,61	0
59	MG	BA	1714	1/1	0.88	0.23	69,69,69,69	0
59	MG	DA	4726	1/1	0.88	0.29	71,71,71,71	0
59	MG	DB	238	1/1	0.88	0.44	100,100,100,100	0
59	MG	CA	2228	1/1	0.88	0.25	75,75,75,75	0
59	MG	CA	2040	1/1	0.88	0.15	56,56,56,56	0
59	MG	BA	2057	1/1	0.88	0.10	103,103,103,103	0
59	MG	DA	4311	1/1	0.88	0.31	83,83,83,83	0
59	MG	DA	4313	1/1	0.88	0.22	56,56,56,56	0
59	MG	DB	253	1/1	0.88	0.15	74,74,74,74	0
59	MG	B1	103	1/1	0.88	0.36	67,67,67,67	0
59	MG	DB	255	1/1	0.88	0.17	63,63,63,63	0
59	MG	AA	3530	1/1	0.88	0.15	50,50,50,50	0
59	MG	AA	3083	1/1	0.88	0.15	33,33,33,33	0
59	MG	CA	1611	1/1	0.88	0.12	39,39,39,39	0
59	MG	AB	231	1/1	0.88	0.21	94,94,94,94	0
59	MG	AA	3770	1/1	0.88	0.11	70,70,70,70	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3838	1/1	0.88	0.31	80,80,80,80	0
59	MG	DA	3474	1/1	0.88	0.26	41,41,41,41	0
59	MG	CB	117	1/1	0.88	0.17	68,68,68,68	0
59	MG	DA	4341	1/1	0.88	0.12	59,59,59,59	0
59	MG	CA	1853	1/1	0.88	0.16	61,61,61,61	0
59	MG	CC	103	1/1	0.88	0.12	39,39,39,39	0
59	MG	DA	4760	1/1	0.88	0.23	55,55,55,55	0
59	MG	DE	303	1/1	0.88	0.21	52,52,52,52	0
59	MG	DA	3485	1/1	0.88	0.33	77,77,77,77	0
59	MG	BE	303	1/1	0.88	0.17	94,94,94,94	0
59	MG	AA	3536	1/1	0.88	0.24	46,46,46,46	0
59	MG	DA	3492	1/1	0.88	0.25	53,53,53,53	0
59	MG	DA	3493	1/1	0.88	0.13	50,50,50,50	0
59	MG	DE	314	1/1	0.88	0.69	67,67,67,67	0
59	MG	DF	303	1/1	0.88	0.17	28,28,28,28	0
59	MG	DA	3863	1/1	0.88	0.23	69,69,69,69	0
59	MG	DF	311	1/1	0.88	0.28	57,57,57,57	0
59	MG	AA	3890	1/1	0.88	0.15	103,103,103,103	0
59	MG	CA	2058	1/1	0.88	0.20	73,73,73,73	0
59	MG	AA	3255	1/1	0.88	0.21	46,46,46,46	0
59	MG	AE	302	1/1	0.88	0.39	74,74,74,74	0
59	MG	BA	1734	1/1	0.88	0.14	76,76,76,76	0
59	MG	DH	201	1/1	0.88	0.16	48,48,48,48	0
59	MG	DA	4378	1/1	0.88	0.18	48,48,48,48	0
59	MG	CA	1861	1/1	0.88	0.22	87,87,87,87	0
59	MG	DA	3881	1/1	0.88	0.51	86,86,86,86	0
59	MG	CA	1648	1/1	0.88	0.17	36,36,36,36	0
59	MG	AA	3041	1/1	0.88	0.10	81,81,81,81	0
59	MG	DA	4791	1/1	0.88	0.34	69,69,69,69	0
59	MG	DA	4387	1/1	0.88	0.33	57,57,57,57	0
59	MG	BA	2173	1/1	0.88	0.13	98,98,98,98	0
59	MG	DA	3513	1/1	0.88	0.32	50,50,50,50	0
59	MG	DO	206	1/1	0.88	0.32	51,51,51,51	0
59	MG	DA	3890	1/1	0.88	0.47	86,86,86,86	0
59	MG	AA	4076	1/1	0.88	0.07	113,113,113,113	0
59	MG	DA	3892	1/1	0.88	0.51	46,46,46,46	0
59	MG	AA	3622	1/1	0.88	0.11	43,43,43,43	0
59	MG	BA	2179	1/1	0.88	0.14	101,101,101,101	0
59	MG	C1	106	1/1	0.88	0.35	89,89,89,89	0
59	MG	BA	1960	1/1	0.88	0.14	68,68,68,68	0
59	MG	DA	3023	1/1	0.88	0.32	57,57,57,57	0
59	MG	CA	2274	1/1	0.88	0.16	54,54,54,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3102	1/1	0.88	0.32	61,61,61,61	0
59	MG	CA	2277	1/1	0.88	0.13	103,103,103,103	0
59	MG	AA	3963	1/1	0.88	0.20	62,62,62,62	0
59	MG	DA	4820	1/1	0.88	0.22	56,56,56,56	0
59	MG	BA	1966	1/1	0.88	0.16	82,82,82,82	0
59	MG	BA	2085	1/1	0.88	0.46	102,102,102,102	0
59	MG	CA	2101	1/1	0.88	0.15	68,68,68,68	0
59	MG	BA	1841	1/1	0.88	0.06	108,108,108,108	0
59	MG	DA	3559	1/1	0.88	0.10	23,23,23,23	0
59	MG	DA	3933	1/1	0.88	0.36	113,113,113,113	0
59	MG	DA	3945	1/1	0.88	0.08	58,58,58,58	0
59	MG	CA	1692	1/1	0.88	0.11	51,51,51,51	0
59	MG	CA	1902	1/1	0.88	0.21	52,52,52,52	0
59	MG	DS	204	1/1	0.88	0.43	75,75,75,75	0
59	MG	DA	3136	1/1	0.88	0.27	63,63,63,63	0
59	MG	CA	2293	1/1	0.88	0.13	80,80,80,80	0
59	MG	DA	3568	1/1	0.88	0.20	54,54,54,54	0
59	MG	DA	4456	1/1	0.88	0.32	59,59,59,59	0
59	MG	DA	3570	1/1	0.88	0.38	71,71,71,71	0
59	MG	AA	3414	1/1	0.88	0.29	56,56,56,56	0
59	MG	AA	4147	1/1	0.88	0.22	66,66,66,66	0
59	MG	DA	4857	1/1	0.88	0.20	56,56,56,56	0
59	MG	AA	3205	1/1	0.88	0.31	71,71,71,71	0
59	MG	CA	2116	1/1	0.88	0.14	79,79,79,79	0
59	MG	AA	3362	1/1	0.88	0.11	62,62,62,62	0
59	MG	AA	4086	1/1	0.88	0.23	76,76,76,76	0
59	MG	AA	3839	1/1	0.88	0.20	63,63,63,63	0
59	MG	CA	1702	1/1	0.88	0.14	45,45,45,45	0
59	MG	DA	4869	1/1	0.88	0.24	44,44,44,44	0
59	MG	AO	204	1/1	0.88	0.27	43,43,43,43	0
59	MG	DA	3184	1/1	0.88	0.27	40,40,40,40	0
59	MG	DA	3188	1/1	0.88	0.26	60,60,60,60	0
59	MG	DV	304	1/1	0.88	0.27	77,77,77,77	0
59	MG	DA	3595	1/1	0.88	0.23	38,38,38,38	0
59	MG	BA	1767	1/1	0.88	0.16	50,50,50,50	0
59	MG	BA	1864	1/1	0.88	0.09	95,95,95,95	0
59	MG	BA	1990	1/1	0.88	0.20	82,82,82,82	0
59	MG	BS	104	1/1	0.88	0.16	76,76,76,76	0
59	MG	CA	1926	1/1	0.88	0.12	88,88,88,88	0
59	MG	DA	3607	1/1	0.88	0.17	79,79,79,79	0
59	MG	DW	107	1/1	0.88	0.75	70,70,70,70	0
59	MG	DA	3200	1/1	0.88	0.20	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	D5	107	1/1	0.88	0.27	59,59,59,59	0
59	MG	D6	102	1/1	0.88	0.15	45,45,45,45	0
59	MG	AA	4088	1/1	0.88	0.13	97,97,97,97	0
59	MG	DA	4901	1/1	0.88	0.33	84,84,84,84	0
59	MG	DA	4903	1/1	0.88	0.13	69,69,69,69	0
59	MG	CA	1728	1/1	0.88	0.32	76,76,76,76	0
59	MG	D8	103	1/1	0.88	0.21	76,76,76,76	0
59	MG	D8	104	1/1	0.88	0.55	50,50,50,50	0
59	MG	AA	3974	1/1	0.88	0.12	65,65,65,65	0
59	MG	DA	3364	1/1	0.89	0.28	54,54,54,54	0
59	MG	DA	4918	1/1	0.89	0.14	48,48,48,48	0
59	MG	DA	4099	1/1	0.89	0.10	55,55,55,55	0
59	MG	DA	4529	1/1	0.89	0.29	75,75,75,75	0
59	MG	AA	4063	1/1	0.89	0.16	75,75,75,75	0
59	MG	AA	4002	1/1	0.89	0.12	93,93,93,93	0
59	MG	DA	4103	1/1	0.89	0.46	85,85,85,85	0
59	MG	DA	4105	1/1	0.89	0.17	62,62,62,62	0
59	MG	DA	3669	1/1	0.89	0.20	68,68,68,68	0
59	MG	AA	3068	1/1	0.89	0.10	40,40,40,40	0
59	MG	DA	3673	1/1	0.89	0.12	61,61,61,61	0
59	MG	AF	302	1/1	0.89	0.18	69,69,69,69	0
59	MG	DA	4938	1/1	0.89	0.12	55,55,55,55	0
59	MG	AA	3876	1/1	0.89	0.16	67,67,67,67	0
59	MG	DA	3372	1/1	0.89	0.18	54,54,54,54	0
59	MG	DA	4945	1/1	0.89	0.25	78,78,78,78	0
59	MG	CA	2046	1/1	0.89	0.14	67,67,67,67	0
59	MG	CA	1873	1/1	0.89	0.08	51,51,51,51	0
59	MG	AA	3642	1/1	0.89	0.24	56,56,56,56	0
59	MG	AA	3117	1/1	0.89	0.27	72,72,72,72	0
59	MG	DA	3692	1/1	0.89	0.07	60,60,60,60	0
59	MG	DA	3693	1/1	0.89	0.13	108,108,108,108	0
59	MG	AA	3546	1/1	0.89	0.31	52,52,52,52	0
59	MG	AA	3651	1/1	0.89	0.17	41,41,41,41	0
59	MG	DA	4957	1/1	0.89	0.07	86,86,86,86	0
59	MG	DA	3714	1/1	0.89	0.25	21,21,21,21	0
59	MG	BA	2004	1/1	0.89	0.12	69,69,69,69	0
59	MG	CA	2232	1/1	0.89	0.35	86,86,86,86	0
59	MG	DA	3401	1/1	0.89	0.33	45,45,45,45	0
59	MG	DA	3725	1/1	0.89	0.13	22,22,22,22	0
59	MG	DA	4156	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	AA	3425	1/1	0.89	0.15	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3405	1/1	0.89	0.22	43,43,43,43	0
59	MG	AA	3660	1/1	0.89	0.29	68,68,68,68	0
59	MG	CA	1708	1/1	0.89	0.19	58,58,58,58	0
59	MG	CA	2061	1/1	0.89	0.21	50,50,50,50	0
59	MG	DA	4590	1/1	0.89	0.55	81,81,81,81	0
59	MG	DA	4989	1/1	0.89	0.25	66,66,66,66	0
59	MG	BW	204	1/1	0.89	0.19	90,90,90,90	0
59	MG	CA	2242	1/1	0.89	0.16	84,84,84,84	0
59	MG	DA	4187	1/1	0.89	0.12	46,46,46,46	0
59	MG	AN	201	1/1	0.89	0.34	118,118,118,118	0
59	MG	CA	2064	1/1	0.89	0.25	66,66,66,66	0
59	MG	DA	4599	1/1	0.89	0.17	50,50,50,50	0
59	MG	DA	3417	1/1	0.89	0.20	62,62,62,62	0
59	MG	AA	4081	1/1	0.89	0.31	49,49,49,49	0
59	MG	CA	2071	1/1	0.89	0.28	100,100,100,100	0
59	MG	DA	5004	1/1	0.89	0.25	80,80,80,80	0
59	MG	CA	2073	1/1	0.89	0.35	41,41,41,41	0
59	MG	AA	3955	1/1	0.89	0.30	66,66,66,66	0
59	MG	BA	2226	1/1	0.89	0.39	101,101,101,101	0
59	MG	CA	1911	1/1	0.89	0.12	56,56,56,56	0
59	MG	AA	3141	1/1	0.89	0.35	66,66,66,66	0
59	MG	AA	3159	1/1	0.89	0.19	61,61,61,61	0
59	MG	DA	4229	1/1	0.89	0.22	48,48,48,48	0
59	MG	DA	5020	1/1	0.89	0.16	63,63,63,63	0
59	MG	DA	3446	1/1	0.89	0.24	66,66,66,66	0
59	MG	DA	4622	1/1	0.89	0.37	54,54,54,54	0
59	MG	CA	2086	1/1	0.89	0.22	83,83,83,83	0
59	MG	CA	2087	1/1	0.89	0.23	95,95,95,95	0
59	MG	DA	3799	1/1	0.89	0.25	83,83,83,83	0
59	MG	DA	4237	1/1	0.89	0.27	78,78,78,78	0
59	MG	BA	2020	1/1	0.89	0.13	90,90,90,90	0
59	MG	DA	4634	1/1	0.89	0.44	82,82,82,82	0
59	MG	DA	5040	1/1	0.89	0.31	90,90,90,90	0
59	MG	DA	4636	1/1	0.89	0.20	64,64,64,64	0
59	MG	DA	4637	1/1	0.89	0.24	80,80,80,80	0
59	MG	DA	3456	1/1	0.89	0.24	60,60,60,60	0
59	MG	BA	2233	1/1	0.89	0.14	100,100,100,100	0
59	MG	DA	4644	1/1	0.89	0.12	64,64,64,64	0
59	MG	DA	4645	1/1	0.89	0.21	59,59,59,59	0
59	MG	DA	4646	1/1	0.89	0.21	69,69,69,69	0
59	MG	CA	2096	1/1	0.89	0.12	60,60,60,60	0
59	MG	DA	4248	1/1	0.89	0.50	89,89,89,89	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4250	1/1	0.89	0.30	49,49,49,49	0
59	MG	AA	3252	1/1	0.89	0.19	38,38,38,38	0
59	MG	DA	3816	1/1	0.89	0.47	89,89,89,89	0
59	MG	DA	4262	1/1	0.89	0.24	47,47,47,47	0
59	MG	CC	114	1/1	0.89	0.12	73,73,73,73	0
59	MG	DA	5061	1/1	0.89	0.33	71,71,71,71	0
59	MG	DA	3822	1/1	0.89	0.30	55,55,55,55	0
59	MG	AA	4159	1/1	0.89	0.14	67,67,67,67	0
59	MG	DA	4266	1/1	0.89	0.13	64,64,64,64	0
59	MG	CC	116	1/1	0.89	0.10	66,66,66,66	0
59	MG	DA	5069	1/1	0.89	0.14	66,66,66,66	0
59	MG	DA	5070	1/1	0.89	0.17	51,51,51,51	0
59	MG	DA	4273	1/1	0.89	0.28	74,74,74,74	0
59	MG	DA	3827	1/1	0.89	0.14	97,97,97,97	0
59	MG	DA	4679	1/1	0.89	0.18	47,47,47,47	0
59	MG	AR	202	1/1	0.89	0.12	64,64,64,64	0
59	MG	BA	2241	1/1	0.89	0.22	78,78,78,78	0
59	MG	BA	2027	1/1	0.89	0.24	107,107,107,107	0
59	MG	AA	3892	1/1	0.89	0.29	84,84,84,84	0
59	MG	CC	127	1/1	0.89	0.49	89,89,89,89	0
59	MG	DA	4282	1/1	0.89	0.14	60,60,60,60	0
59	MG	CA	2107	1/1	0.89	0.23	73,73,73,73	0
59	MG	AA	3771	1/1	0.89	0.37	79,79,79,79	0
59	MG	BA	1677	1/1	0.89	0.26	52,52,52,52	0
59	MG	DA	4294	1/1	0.89	0.11	83,83,83,83	0
59	MG	DB	222	1/1	0.89	0.30	43,43,43,43	0
59	MG	CA	2289	1/1	0.89	0.18	75,75,75,75	0
59	MG	AA	3215	1/1	0.89	0.16	72,72,72,72	0
59	MG	DA	3025	1/1	0.89	0.18	44,44,44,44	0
59	MG	BD	120	1/1	0.89	0.46	90,90,90,90	0
59	MG	DA	3095	1/1	0.89	0.29	27,27,27,27	0
59	MG	CA	2292	1/1	0.89	0.11	67,67,67,67	0
59	MG	AA	3406	1/1	0.89	0.24	32,32,32,32	0
59	MG	BA	1919	1/1	0.89	0.30	59,59,59,59	0
59	MG	DB	235	1/1	0.89	0.22	65,65,65,65	0
59	MG	DB	237	1/1	0.89	0.10	57,57,57,57	0
59	MG	DA	4315	1/1	0.89	0.10	67,67,67,67	0
59	MG	DA	3862	1/1	0.89	0.16	71,71,71,71	0
59	MG	AA	3193	1/1	0.89	0.17	99,99,99,99	0
59	MG	CA	2298	1/1	0.89	0.09	68,68,68,68	0
59	MG	DA	4325	1/1	0.89	0.42	45,45,45,45	0
59	MG	DA	4732	1/1	0.89	0.11	71,71,71,71	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3289	1/1	0.89	0.24	90,90,90,90	0
59	MG	DA	3517	1/1	0.89	0.10	29,29,29,29	0
59	MG	AA	3368	1/1	0.89	0.28	87,87,87,87	0
59	MG	DB	260	1/1	0.89	0.12	63,63,63,63	0
59	MG	BA	2041	1/1	0.89	0.44	91,91,91,91	0
59	MG	DA	4332	1/1	0.89	0.13	53,53,53,53	0
59	MG	AA	3784	1/1	0.89	0.21	64,64,64,64	0
59	MG	AA	3836	1/1	0.89	0.29	62,62,62,62	0
59	MG	CA	1776	1/1	0.89	0.41	62,62,62,62	0
59	MG	DA	3152	1/1	0.89	0.24	52,52,52,52	0
59	MG	AA	3786	1/1	0.89	0.51	107,107,107,107	0
59	MG	CA	2310	1/1	0.89	0.12	127,127,127,127	0
59	MG	CA	1778	1/1	0.89	0.39	69,69,69,69	0
59	MG	DA	4754	1/1	0.89	0.29	71,71,71,71	0
59	MG	CA	2135	1/1	0.89	0.07	92,92,92,92	0
59	MG	DD	307	1/1	0.89	0.34	50,50,50,50	0
59	MG	DD	311	1/1	0.89	0.13	65,65,65,65	0
59	MG	AA	3982	1/1	0.89	0.11	71,71,71,71	0
59	MG	CA	1782	1/1	0.89	0.35	50,50,50,50	0
59	MG	DA	4359	1/1	0.89	0.26	47,47,47,47	0
59	MG	DA	3172	1/1	0.89	0.28	37,37,37,37	0
59	MG	CA	1783	1/1	0.89	0.14	56,56,56,56	0
59	MG	DA	3181	1/1	0.89	0.25	40,40,40,40	0
59	MG	DA	3561	1/1	0.89	0.20	51,51,51,51	0
59	MG	AA	3680	1/1	0.89	0.34	71,71,71,71	0
59	MG	CA	2147	1/1	0.89	0.16	69,69,69,69	0
59	MG	DF	305	1/1	0.89	0.10	54,54,54,54	0
59	MG	BA	1808	1/1	0.89	0.17	70,70,70,70	0
59	MG	BA	1812	1/1	0.89	0.27	136,136,136,136	0
59	MG	DF	312	1/1	0.89	0.13	75,75,75,75	0
59	MG	AV	301	1/1	0.89	0.11	67,67,67,67	0
59	MG	CE	301	1/1	0.89	0.25	61,61,61,61	0
59	MG	BA	1706	1/1	0.89	0.29	52,52,52,52	0
59	MG	AA	3791	1/1	0.89	0.25	65,65,65,65	0
59	MG	AA	3683	1/1	0.89	0.16	46,46,46,46	0
59	MG	AA	3347	1/1	0.89	0.21	66,66,66,66	0
59	MG	DA	4394	1/1	0.89	0.44	69,69,69,69	0
59	MG	AA	3005	1/1	0.89	0.20	17,17,17,17	0
59	MG	DA	3947	1/1	0.89	0.07	72,72,72,72	0
59	MG	DK	201	1/1	0.89	0.24	71,71,71,71	0
59	MG	BA	1715	1/1	0.89	0.28	75,75,75,75	0
59	MG	AA	3220	1/1	0.89	0.17	70,70,70,70	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3954	1/1	0.89	0.44	52,52,52,52	0
59	MG	AA	3195	1/1	0.89	0.25	82,82,82,82	0
59	MG	CG	304	1/1	0.89	0.10	95,95,95,95	0
59	MG	AA	3800	1/1	0.89	0.10	55,55,55,55	0
59	MG	DA	4804	1/1	0.89	0.31	69,69,69,69	0
59	MG	DA	3971	1/1	0.89	0.21	66,66,66,66	0
59	MG	DA	3218	1/1	0.89	0.33	47,47,47,47	0
59	MG	AA	3572	1/1	0.89	0.15	64,64,64,64	0
59	MG	CG	308	1/1	0.89	0.26	100,100,100,100	0
59	MG	DA	4811	1/1	0.89	0.23	97,97,97,97	0
59	MG	DA	4813	1/1	0.89	0.38	78,78,78,78	0
59	MG	CA	1610	1/1	0.89	0.26	48,48,48,48	0
59	MG	DA	3604	1/1	0.89	0.13	57,57,57,57	0
59	MG	AA	4115	1/1	0.89	0.28	73,73,73,73	0
59	MG	CA	1612	1/1	0.89	0.17	57,57,57,57	0
59	MG	BA	1963	1/1	0.89	0.13	83,83,83,83	0
59	MG	CH	203	1/1	0.89	0.29	70,70,70,70	0
59	MG	CA	1995	1/1	0.89	0.13	48,48,48,48	0
59	MG	AA	3574	1/1	0.89	0.21	57,57,57,57	0
59	MG	DA	4449	1/1	0.89	0.20	64,64,64,64	0
59	MG	DA	3615	1/1	0.89	0.45	112,112,112,112	0
59	MG	DA	3259	1/1	0.89	0.34	60,60,60,60	0
59	MG	CA	1838	1/1	0.89	0.30	122,122,122,122	0
59	MG	D2	208	1/1	0.89	0.36	71,71,71,71	0
59	MG	CA	2000	1/1	0.89	0.10	99,99,99,99	0
59	MG	CK	204	1/1	0.89	0.09	60,60,60,60	0
59	MG	BA	1603	1/1	0.89	0.39	58,58,58,58	0
59	MG	DA	4019	1/1	0.89	0.14	91,91,91,91	0
59	MG	DS	203	1/1	0.89	0.28	54,54,54,54	0
59	MG	AA	3379	1/1	0.89	0.09	70,70,70,70	0
59	MG	DA	4026	1/1	0.89	0.21	55,55,55,55	0
59	MG	AA	4055	1/1	0.89	0.35	110,110,110,110	0
59	MG	BA	1737	1/1	0.89	0.27	59,59,59,59	0
59	MG	DA	4854	1/1	0.89	0.23	66,66,66,66	0
59	MG	DA	3275	1/1	0.89	0.42	64,64,64,64	0
59	MG	DA	4480	1/1	0.89	0.28	77,77,77,77	0
59	MG	CK	210	1/1	0.89	0.19	71,71,71,71	0
59	MG	CA	1637	1/1	0.89	0.26	45,45,45,45	0
59	MG	DA	4484	1/1	0.89	0.35	50,50,50,50	0
59	MG	DA	3281	1/1	0.89	0.21	38,38,38,38	0
59	MG	CA	2011	1/1	0.89	0.16	62,62,62,62	0
59	MG	CA	2014	1/1	0.89	0.10	56,56,56,56	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3225	1/1	0.89	0.11	18,18,18,18	0
59	MG	DA	4491	1/1	0.89	0.12	66,66,66,66	0
59	MG	BA	2088	1/1	0.89	0.33	98,98,98,98	0
59	MG	DA	4876	1/1	0.89	0.30	61,61,61,61	0
59	MG	CA	2018	1/1	0.89	0.33	106,106,106,106	0
59	MG	BA	1974	1/1	0.89	0.28	109,109,109,109	0
59	MG	CA	1650	1/1	0.89	0.23	36,36,36,36	0
59	MG	CV	101	1/1	0.89	0.09	53,53,53,53	0
59	MG	AA	4123	1/1	0.89	0.14	55,55,55,55	0
59	MG	D3	103	1/1	0.89	0.22	23,23,23,23	0
59	MG	DA	3324	1/1	0.89	0.15	42,42,42,42	0
59	MG	CA	2199	1/1	0.89	0.10	106,106,106,106	0
59	MG	CA	1666	1/1	0.89	0.36	60,60,60,60	0
59	MG	DA	4898	1/1	0.89	0.25	58,58,58,58	0
59	MG	AA	3933	1/1	0.89	0.43	115,115,115,115	0
59	MG	DA	4900	1/1	0.89	0.45	76,76,76,76	0
59	MG	AA	3808	1/1	0.89	0.17	75,75,75,75	0
59	MG	D4	101	1/1	0.89	0.36	96,96,96,96	0
59	MG	DA	4508	1/1	0.89	0.33	58,58,58,58	0
59	MG	DA	4077	1/1	0.89	0.20	51,51,51,51	0
59	MG	CA	2206	1/1	0.89	0.12	52,52,52,52	0
59	MG	DA	4906	1/1	0.89	0.26	96,96,96,96	0
59	MG	BA	1753	1/1	0.89	0.14	69,69,69,69	0
59	MG	BA	1986	1/1	0.89	0.09	78,78,78,78	0
59	MG	BA	1626	1/1	0.89	0.30	68,68,68,68	0
59	MG	DA	4521	1/1	0.89	0.16	47,47,47,47	0
59	MG	D8	105	1/1	0.89	0.35	44,44,44,44	0
59	MG	CA	2037	1/1	0.89	0.32	75,75,75,75	0
59	MG	AA	3211	1/1	0.90	0.32	56,56,56,56	0
59	MG	BA	2076	1/1	0.90	0.13	85,85,85,85	0
59	MG	AA	4101	1/1	0.90	0.27	99,99,99,99	0
59	MG	CA	2069	1/1	0.90	0.09	74,74,74,74	0
59	MG	DA	3173	1/1	0.90	0.18	36,36,36,36	0
59	MG	DA	3584	1/1	0.90	0.23	63,63,63,63	0
59	MG	CA	2070	1/1	0.90	0.10	68,68,68,68	0
59	MG	BA	1778	1/1	0.90	0.37	49,49,49,49	0
59	MG	AA	3525	1/1	0.90	0.13	36,36,36,36	0
59	MG	DA	4034	1/1	0.90	0.39	71,71,71,71	0
59	MG	DA	3594	1/1	0.90	0.09	49,49,49,49	0
59	MG	DA	4038	1/1	0.90	0.54	103,103,103,103	0
59	MG	DA	4503	1/1	0.90	0.28	96,96,96,96	0
59	MG	BA	2082	1/1	0.90	0.16	96,96,96,96	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BC	111	1/1	0.90	0.08	63,63,63,63	0
59	MG	AA	3949	1/1	0.90	0.06	71,71,71,71	0
59	MG	AA	3950	1/1	0.90	0.06	63,63,63,63	0
59	MG	DA	4509	1/1	0.90	0.29	64,64,64,64	0
59	MG	DA	4510	1/1	0.90	0.38	78,78,78,78	0
59	MG	DA	3603	1/1	0.90	0.29	20,20,20,20	0
59	MG	CA	2081	1/1	0.90	0.18	107,107,107,107	0
59	MG	BA	1645	1/1	0.90	0.30	88,88,88,88	0
59	MG	CA	1857	1/1	0.90	0.27	105,105,105,105	0
59	MG	DA	4052	1/1	0.90	0.16	178,178,178,178	0
59	MG	BA	2086	1/1	0.90	0.21	83,83,83,83	0
59	MG	CA	2306	1/1	0.90	0.39	90,90,90,90	0
59	MG	DA	4942	1/1	0.90	0.09	82,82,82,82	0
59	MG	AA	3239	1/1	0.90	0.07	51,51,51,51	0
59	MG	DA	4525	1/1	0.90	0.21	108,108,108,108	0
59	MG	AA	3278	1/1	0.90	0.28	59,59,59,59	0
59	MG	AA	3573	1/1	0.90	0.20	44,44,44,44	0
59	MG	CA	1863	1/1	0.90	0.17	66,66,66,66	0
59	MG	AA	4027	1/1	0.90	0.22	72,72,72,72	0
59	MG	DA	3620	1/1	0.90	0.19	58,58,58,58	0
59	MG	AA	3241	1/1	0.90	0.15	59,59,59,59	0
59	MG	BA	1950	1/1	0.90	0.23	62,62,62,62	0
59	MG	AA	3386	1/1	0.90	0.11	51,51,51,51	0
59	MG	DA	4081	1/1	0.90	0.15	67,67,67,67	0
59	MG	DA	3221	1/1	0.90	0.32	43,43,43,43	0
59	MG	BA	1955	1/1	0.90	0.30	74,74,74,74	0
59	MG	DA	3229	1/1	0.90	0.10	33,33,33,33	0
59	MG	DA	4964	1/1	0.90	0.20	73,73,73,73	0
59	MG	DA	4967	1/1	0.90	0.17	74,74,74,74	0
59	MG	AA	3008	1/1	0.90	0.24	31,31,31,31	0
59	MG	DA	4547	1/1	0.90	0.23	46,46,46,46	0
59	MG	DA	4975	1/1	0.90	0.19	78,78,78,78	0
59	MG	AF	303	1/1	0.90	0.12	68,68,68,68	0
59	MG	CA	1625	1/1	0.90	0.36	68,68,68,68	0
59	MG	DA	3252	1/1	0.90	0.24	29,29,29,29	0
59	MG	DA	3253	1/1	0.90	0.16	15,15,15,15	0
59	MG	BA	1958	1/1	0.90	0.08	80,80,80,80	0
59	MG	DA	4108	1/1	0.90	0.21	74,74,74,74	0
59	MG	DA	4568	1/1	0.90	0.29	55,55,55,55	0
59	MG	BA	2105	1/1	0.90	0.17	117,117,117,117	0
59	MG	AA	3578	1/1	0.90	0.15	33,33,33,33	0
59	MG	DA	4117	1/1	0.90	0.29	58,58,58,58	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3470	1/1	0.90	0.20	76,76,76,76	0
59	MG	BA	2109	1/1	0.90	0.43	93,93,93,93	0
59	MG	CA	1901	1/1	0.90	0.20	65,65,65,65	0
59	MG	AA	3671	1/1	0.90	0.22	102,102,102,102	0
59	MG	AA	3968	1/1	0.90	0.12	77,77,77,77	0
59	MG	AA	3537	1/1	0.90	0.65	56,56,56,56	0
59	MG	DA	3651	1/1	0.90	0.18	40,40,40,40	0
59	MG	DA	5001	1/1	0.90	0.21	75,75,75,75	0
59	MG	AA	3538	1/1	0.90	0.15	45,45,45,45	0
59	MG	BA	1675	1/1	0.90	0.10	28,28,28,28	0
59	MG	DA	3270	1/1	0.90	0.25	90,90,90,90	0
59	MG	DA	5006	1/1	0.90	0.18	61,61,61,61	0
59	MG	DA	4588	1/1	0.90	0.38	41,41,41,41	0
59	MG	CA	1660	1/1	0.90	0.27	79,79,79,79	0
59	MG	DA	4591	1/1	0.90	0.30	107,107,107,107	0
59	MG	CA	1661	1/1	0.90	0.31	59,59,59,59	0
59	MG	CA	2133	1/1	0.90	0.12	67,67,67,67	0
59	MG	DA	5017	1/1	0.90	0.18	55,55,55,55	0
59	MG	DA	4148	1/1	0.90	0.39	63,63,63,63	0
59	MG	CA	2134	1/1	0.90	0.22	89,89,89,89	0
59	MG	DA	5025	1/1	0.90	0.22	100,100,100,100	0
59	MG	BA	1813	1/1	0.90	0.10	94,94,94,94	0
59	MG	CA	1672	1/1	0.90	0.27	57,57,57,57	0
59	MG	DA	3284	1/1	0.90	0.20	27,27,27,27	0
59	MG	DA	5030	1/1	0.90	0.45	93,93,93,93	0
59	MG	DA	3662	1/1	0.90	0.25	73,73,73,73	0
59	MG	DA	3290	1/1	0.90	0.22	33,33,33,33	0
59	MG	DA	4163	1/1	0.90	0.14	55,55,55,55	0
59	MG	DA	4608	1/1	0.90	0.17	47,47,47,47	0
59	MG	DA	4164	1/1	0.90	0.13	29,29,29,29	0
59	MG	DA	3294	1/1	0.90	0.16	28,28,28,28	0
59	MG	BA	2116	1/1	0.90	0.06	54,54,54,54	0
59	MG	BA	2117	1/1	0.90	0.25	109,109,109,109	0
59	MG	BA	2266	1/1	0.90	0.14	91,91,91,91	0
59	MG	CA	2145	1/1	0.90	0.22	80,80,80,80	0
59	MG	AK	201	1/1	0.90	0.22	64,64,64,64	0
59	MG	CA	2148	1/1	0.90	0.13	69,69,69,69	0
59	MG	BA	1973	1/1	0.90	0.09	81,81,81,81	0
59	MG	AA	3135	1/1	0.90	0.20	19,19,19,19	0
59	MG	DA	3684	1/1	0.90	0.42	56,56,56,56	0
59	MG	BA	1975	1/1	0.90	0.30	109,109,109,109	0
59	MG	AA	3748	1/1	0.90	0.09	84,84,84,84	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1979	1/1	0.90	0.22	73,73,73,73	0
59	MG	DA	5057	1/1	0.90	0.57	97,97,97,97	0
59	MG	BA	1980	1/1	0.90	0.09	102,102,102,102	0
59	MG	DA	3342	1/1	0.90	0.30	55,55,55,55	0
59	MG	DA	4217	1/1	0.90	0.24	57,57,57,57	0
59	MG	DA	5062	1/1	0.90	0.30	94,94,94,94	0
59	MG	CA	2157	1/1	0.90	0.21	79,79,79,79	0
59	MG	AA	3893	1/1	0.90	0.15	67,67,67,67	0
59	MG	CP	202	1/1	0.90	0.16	63,63,63,63	0
59	MG	DA	4224	1/1	0.90	0.09	90,90,90,90	0
59	MG	BA	2129	1/1	0.90	0.08	75,75,75,75	0
59	MG	AA	3679	1/1	0.90	0.42	70,70,70,70	0
59	MG	DA	5071	1/1	0.90	0.30	101,101,101,101	0
59	MG	DA	3352	1/1	0.90	0.44	80,80,80,80	0
59	MG	DA	4652	1/1	0.90	0.17	71,71,71,71	0
59	MG	AA	3475	1/1	0.90	0.30	85,85,85,85	0
59	MG	DA	4655	1/1	0.90	0.13	79,79,79,79	0
59	MG	AA	3983	1/1	0.90	0.27	126,126,126,126	0
59	MG	DA	3732	1/1	0.90	0.43	60,60,60,60	0
59	MG	DA	3735	1/1	0.90	0.26	76,76,76,76	0
59	MG	BA	2133	1/1	0.90	0.15	122,122,122,122	0
59	MG	AA	3357	1/1	0.90	1.30	91,91,91,91	0
59	MG	AA	4058	1/1	0.90	0.15	63,63,63,63	0
59	MG	DA	4245	1/1	0.90	0.18	73,73,73,73	0
59	MG	DA	3743	1/1	0.90	0.40	65,65,65,65	0
59	MG	DA	3368	1/1	0.90	0.19	31,31,31,31	0
59	MG	CA	1704	1/1	0.90	0.23	46,46,46,46	0
59	MG	AA	3247	1/1	0.90	0.11	47,47,47,47	0
59	MG	DA	4683	1/1	0.90	0.32	100,100,100,100	0
59	MG	BG	304	1/1	0.90	0.40	79,79,79,79	0
59	MG	DA	3373	1/1	0.90	0.33	40,40,40,40	0
59	MG	DA	3374	1/1	0.90	0.17	84,84,84,84	0
59	MG	BG	305	1/1	0.90	0.23	70,70,70,70	0
59	MG	DA	4692	1/1	0.90	0.33	74,74,74,74	0
59	MG	AA	3604	1/1	0.90	0.09	74,74,74,74	0
59	MG	AA	4143	1/1	0.90	0.49	112,112,112,112	0
59	MG	DA	3767	1/1	0.90	0.45	88,88,88,88	0
59	MG	AA	4146	1/1	0.90	0.22	90,90,90,90	0
59	MG	CA	1726	1/1	0.90	0.18	48,48,48,48	0
59	MG	DA	3387	1/1	0.90	0.13	47,47,47,47	0
59	MG	DA	3390	1/1	0.90	0.17	83,83,83,83	0
59	MG	DA	4715	1/1	0.90	0.31	58,58,58,58	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3781	1/1	0.90	0.13	73,73,73,73	0
59	MG	AA	3044	1/1	0.90	0.32	36,36,36,36	0
59	MG	DA	3393	1/1	0.90	0.45	88,88,88,88	0
59	MG	BA	1835	1/1	0.90	0.26	72,72,72,72	0
59	MG	DB	257	1/1	0.90	0.24	57,57,57,57	0
59	MG	DB	258	1/1	0.90	0.38	77,77,77,77	0
59	MG	AA	3056	1/1	0.90	0.13	63,63,63,63	0
59	MG	BA	2002	1/1	0.90	0.23	73,73,73,73	0
59	MG	AA	3145	1/1	0.90	0.25	61,61,61,61	0
59	MG	CA	1744	1/1	0.90	0.18	55,55,55,55	0
59	MG	AA	3436	1/1	0.90	0.24	127,127,127,127	0
59	MG	CA	1974	1/1	0.90	0.08	55,55,55,55	0
59	MG	AA	4069	1/1	0.90	0.21	80,80,80,80	0
59	MG	AA	3829	1/1	0.90	0.08	88,88,88,88	0
59	MG	DA	4304	1/1	0.90	0.23	94,94,94,94	0
59	MG	AU	201	1/1	0.90	0.20	51,51,51,51	0
59	MG	BA	2012	1/1	0.90	0.41	72,72,72,72	0
59	MG	DA	4737	1/1	0.90	0.22	85,85,85,85	0
59	MG	BM	202	1/1	0.90	0.32	81,81,81,81	0
59	MG	DD	308	1/1	0.90	0.68	53,53,53,53	0
59	MG	AA	3067	1/1	0.90	0.16	37,37,37,37	0
59	MG	AA	3913	1/1	0.90	0.14	38,38,38,38	0
59	MG	AA	3549	1/1	0.90	0.17	44,44,44,44	0
59	MG	CA	1992	1/1	0.90	0.11	77,77,77,77	0
59	MG	AU	205	1/1	0.90	0.18	69,69,69,69	0
59	MG	AB	201	1/1	0.90	0.14	42,42,42,42	0
59	MG	DA	4326	1/1	0.90	0.28	56,56,56,56	0
59	MG	AB	203	1/1	0.90	0.20	37,37,37,37	0
59	MG	DE	313	1/1	0.90	0.20	73,73,73,73	0
59	MG	AB	204	1/1	0.90	0.07	54,54,54,54	0
59	MG	AA	3769	1/1	0.90	0.09	80,80,80,80	0
59	MG	DA	4759	1/1	0.90	0.32	91,91,91,91	0
59	MG	AA	4078	1/1	0.90	0.11	82,82,82,82	0
59	MG	CA	1771	1/1	0.90	0.21	44,44,44,44	0
59	MG	DA	4764	1/1	0.90	0.49	85,85,85,85	0
59	MG	BA	1738	1/1	0.90	0.28	59,59,59,59	0
59	MG	DA	4766	1/1	0.90	0.21	67,67,67,67	0
59	MG	DA	3448	1/1	0.90	0.28	40,40,40,40	0
59	MG	AZ	103	1/1	0.90	0.13	75,75,75,75	0
59	MG	DG	204	1/1	0.90	0.50	104,104,104,104	0
59	MG	DA	3851	1/1	0.90	0.23	72,72,72,72	0
59	MG	AA	3261	1/1	0.90	0.16	40,40,40,40	0

Continued on next page...

Continued from previous page...

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	3455	1/1	0.90	0.33	58,58,58,58	0
59	MG	AA	3918	1/1	0.90	0.12	90,90,90,90	0
59	MG	BA	1745	1/1	0.90	0.25	38,38,38,38	0
59	MG	DA	4354	1/1	0.90	0.31	65,65,65,65	0
59	MG	BA	2174	1/1	0.90	0.40	125,125,125,125	0
59	MG	DA	3468	1/1	0.90	0.20	49,49,49,49	0
59	MG	CB	118	1/1	0.90	0.09	73,73,73,73	0
59	MG	AA	3337	1/1	0.90	0.23	51,51,51,51	0
59	MG	BA	1750	1/1	0.90	0.29	65,65,65,65	0
59	MG	DN	202	1/1	0.90	0.12	65,65,65,65	0
59	MG	DA	4365	1/1	0.90	0.31	61,61,61,61	0
59	MG	DA	4792	1/1	0.90	0.21	113,113,113,113	0
59	MG	BA	1893	1/1	0.90	0.07	54,54,54,54	0
59	MG	DA	3875	1/1	0.90	0.33	116,116,116,116	0
59	MG	DA	4369	1/1	0.90	0.38	78,78,78,78	0
59	MG	DP	203	1/1	0.90	0.39	92,92,92,92	0
59	MG	DA	4374	1/1	0.90	0.49	77,77,77,77	0
59	MG	DA	3480	1/1	0.90	0.18	46,46,46,46	0
59	MG	CA	2020	1/1	0.90	0.17	67,67,67,67	0
59	MG	AA	3409	1/1	0.90	0.21	56,56,56,56	0
59	MG	BA	1754	1/1	0.90	0.21	68,68,68,68	0
59	MG	AA	3172	1/1	0.90	0.21	67,67,67,67	0
59	MG	AA	3560	1/1	0.90	0.20	37,37,37,37	0
59	MG	A8	103	1/1	0.90	0.13	62,62,62,62	0
59	MG	DQ	201	1/1	0.90	0.18	51,51,51,51	0
59	MG	CA	2238	1/1	0.90	0.26	65,65,65,65	0
59	MG	CA	2239	1/1	0.90	0.13	65,65,65,65	0
59	MG	AA	3027	1/1	0.90	0.17	60,60,60,60	0
59	MG	DA	4396	1/1	0.90	0.47	85,85,85,85	0
59	MG	AA	3103	1/1	0.90	0.17	45,45,45,45	0
59	MG	CC	120	1/1	0.90	0.28	44,44,44,44	0
59	MG	D1	211	1/1	0.90	0.33	49,49,49,49	0
59	MG	BA	1909	1/1	0.90	0.34	66,66,66,66	0
59	MG	CA	2247	1/1	0.90	0.15	103,103,103,103	0
59	MG	BA	2192	1/1	0.90	0.17	102,102,102,102	0
59	MG	AA	3106	1/1	0.90	0.18	17,17,17,17	0
59	MG	DA	4408	1/1	0.90	0.23	54,54,54,54	0
59	MG	AA	3514	1/1	0.90	0.34	49,49,49,49	0
59	MG	AA	3856	1/1	0.90	0.32	86,86,86,86	0
59	MG	AA	3862	1/1	0.90	0.21	75,75,75,75	0
59	MG	CA	1821	1/1	0.90	0.07	51,51,51,51	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4830	1/1	0.90	0.30	64,64,64,64	0
59	MG	CA	2256	1/1	0.90	0.24	110,110,110,110	0
59	MG	DT	104	1/1	0.90	0.33	74,74,74,74	0
59	MG	DT	105	1/1	0.90	0.32	84,84,84,84	0
59	MG	BD	118	1/1	0.90	0.24	107,107,107,107	0
59	MG	DA	3050	1/1	0.90	0.11	46,46,46,46	0
59	MG	BA	2202	1/1	0.90	0.41	87,87,87,87	0
59	MG	DA	3940	1/1	0.90	0.24	64,64,64,64	0
59	MG	AA	3788	1/1	0.90	0.21	87,87,87,87	0
59	MG	DA	4438	1/1	0.90	0.40	89,89,89,89	0
59	MG	DA	4849	1/1	0.90	0.25	55,55,55,55	0
59	MG	CA	1833	1/1	0.90	0.06	57,57,57,57	0
59	MG	CA	2264	1/1	0.90	0.27	77,77,77,77	0
59	MG	DA	4446	1/1	0.90	0.11	54,54,54,54	0
59	MG	CA	2265	1/1	0.90	0.09	64,64,64,64	0
59	MG	AA	3446	1/1	0.90	0.36	90,90,90,90	0
59	MG	DA	3531	1/1	0.90	0.23	53,53,53,53	0
59	MG	CA	2267	1/1	0.90	0.25	80,80,80,80	0
59	MG	DA	4862	1/1	0.90	0.12	66,66,66,66	0
59	MG	AA	3723	1/1	0.90	0.37	79,79,79,79	0
59	MG	DA	3542	1/1	0.90	0.25	51,51,51,51	0
59	MG	CA	2053	1/1	0.90	0.14	74,74,74,74	0
59	MG	D3	106	1/1	0.90	0.36	58,58,58,58	0
59	MG	BA	1922	1/1	0.90	0.11	71,71,71,71	0
59	MG	DA	4870	1/1	0.90	0.16	82,82,82,82	0
59	MG	DZ	103	1/1	0.90	0.14	87,87,87,87	0
59	MG	DA	3123	1/1	0.90	0.42	65,65,65,65	0
59	MG	AA	3272	1/1	0.90	0.31	54,54,54,54	0
59	MG	DA	3131	1/1	0.90	0.17	32,32,32,32	0
59	MG	BA	1924	1/1	0.90	0.45	78,78,78,78	0
59	MG	CA	1842	1/1	0.90	0.13	78,78,78,78	0
59	MG	DA	4880	1/1	0.90	0.20	110,110,110,110	0
59	MG	DA	3143	1/1	0.90	0.37	61,61,61,61	0
59	MG	DA	3147	1/1	0.90	0.15	45,45,45,45	0
59	MG	DA	4884	1/1	0.90	0.16	73,73,73,73	0
59	MG	DA	3149	1/1	0.90	0.19	18,18,18,18	0
59	MG	AA	3794	1/1	0.90	0.17	70,70,70,70	0
59	MG	DA	4482	1/1	0.90	0.41	80,80,80,80	0
59	MG	D8	101	1/1	0.90	0.17	42,42,42,42	0
59	MG	BA	1633	1/1	0.90	0.20	45,45,45,45	0
59	MG	DA	4895	1/1	0.90	0.21	77,77,77,77	0
59	MG	CA	2279	1/1	0.90	0.22	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1775	1/1	0.90	0.38	93,93,93,93	0
59	MG	BA	2245	1/1	0.91	0.28	71,71,71,71	0
59	MG	BA	1799	1/1	0.91	0.12	55,55,55,55	0
59	MG	AA	3625	1/1	0.91	0.20	64,64,64,64	0
59	MG	BA	2249	1/1	0.91	0.18	66,66,66,66	0
59	MG	DA	4922	1/1	0.91	0.32	99,99,99,99	0
59	MG	CA	1909	1/1	0.91	0.33	69,69,69,69	0
59	MG	AA	3758	1/1	0.91	0.20	65,65,65,65	0
59	MG	BA	1660	1/1	0.91	0.20	101,101,101,101	0
59	MG	CA	1659	1/1	0.91	0.15	41,41,41,41	0
59	MG	DA	4088	1/1	0.91	0.33	83,83,83,83	0
59	MG	DA	4089	1/1	0.91	0.13	63,63,63,63	0
59	MG	DA	4092	1/1	0.91	0.20	99,99,99,99	0
59	MG	AA	3178	1/1	0.91	0.23	41,41,41,41	0
59	MG	DA	4098	1/1	0.91	0.13	43,43,43,43	0
59	MG	CA	2140	1/1	0.91	0.07	110,110,110,110	0
59	MG	DA	3291	1/1	0.91	0.35	59,59,59,59	0
59	MG	AA	3268	1/1	0.91	0.31	60,60,60,60	0
59	MG	DA	4537	1/1	0.91	0.31	58,58,58,58	0
59	MG	DA	3299	1/1	0.91	0.14	33,33,33,33	0
59	MG	AA	3532	1/1	0.91	0.31	87,87,87,87	0
59	MG	DA	4541	1/1	0.91	0.30	58,58,58,58	0
59	MG	CA	2146	1/1	0.91	0.22	85,85,85,85	0
59	MG	AA	3179	1/1	0.91	0.16	38,38,38,38	0
59	MG	AA	3143	1/1	0.91	0.11	37,37,37,37	0
59	MG	AA	3081	1/1	0.91	0.14	61,61,61,61	0
59	MG	CM	201	1/1	0.91	0.22	74,74,74,74	0
59	MG	BA	1671	1/1	0.91	0.25	50,50,50,50	0
59	MG	CA	2151	1/1	0.91	0.14	60,60,60,60	0
59	MG	CA	1924	1/1	0.91	0.16	88,88,88,88	0
59	MG	DA	4558	1/1	0.91	0.26	86,86,86,86	0
59	MG	AA	4136	1/1	0.91	0.27	71,71,71,71	0
59	MG	DA	4962	1/1	0.91	0.25	77,77,77,77	0
59	MG	AA	3050	1/1	0.91	0.20	59,59,59,59	0
59	MG	AO	203	1/1	0.91	0.11	47,47,47,47	0
59	MG	DA	3340	1/1	0.91	0.24	37,37,37,37	0
59	MG	DA	3341	1/1	0.91	0.39	49,49,49,49	0
59	MG	CA	1682	1/1	0.91	0.26	36,36,36,36	0
59	MG	CA	2158	1/1	0.91	0.14	58,58,58,58	0
59	MG	AA	3991	1/1	0.91	0.22	73,73,73,73	0
59	MG	DA	4142	1/1	0.91	0.19	29,29,29,29	0
59	MG	AA	4061	1/1	0.91	0.27	79,79,79,79	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3639	1/1	0.91	0.30	55,55,55,55	0
59	MG	AQ	201	1/1	0.91	0.18	56,56,56,56	0
59	MG	BA	2126	1/1	0.91	0.15	74,74,74,74	0
59	MG	AQ	202	1/1	0.91	0.12	94,94,94,94	0
59	MG	DA	3685	1/1	0.91	0.22	59,59,59,59	0
59	MG	AQ	203	1/1	0.91	0.28	67,67,67,67	0
59	MG	CA	1943	1/1	0.91	0.34	73,73,73,73	0
59	MG	CA	2171	1/1	0.91	0.14	115,115,115,115	0
59	MG	AA	3248	1/1	0.91	0.33	78,78,78,78	0
59	MG	BA	1690	1/1	0.91	0.07	66,66,66,66	0
59	MG	DA	3711	1/1	0.91	0.25	85,85,85,85	0
59	MG	DA	4174	1/1	0.91	0.20	49,49,49,49	0
59	MG	AA	3643	1/1	0.91	0.26	61,61,61,61	0
59	MG	AA	4067	1/1	0.91	0.19	86,86,86,86	0
59	MG	AA	3776	1/1	0.91	0.14	84,84,84,84	0
59	MG	BA	2134	1/1	0.91	0.09	62,62,62,62	0
59	MG	AA	3777	1/1	0.91	0.11	58,58,58,58	0
59	MG	CD	116	1/1	0.91	0.15	78,78,78,78	0
59	MG	DA	5008	1/1	0.91	0.25	57,57,57,57	0
59	MG	DA	5010	1/1	0.91	0.32	68,68,68,68	0
59	MG	AA	3844	1/1	0.91	0.33	94,94,94,94	0
59	MG	DA	4193	1/1	0.91	0.59	78,78,78,78	0
59	MG	CA	1710	1/1	0.91	0.17	30,30,30,30	0
59	MG	BA	1999	1/1	0.91	0.19	77,77,77,77	0
59	MG	BA	1849	1/1	0.91	0.14	74,74,74,74	0
59	MG	AA	4152	1/1	0.91	0.21	77,77,77,77	0
59	MG	CA	1716	1/1	0.91	0.31	66,66,66,66	0
59	MG	DA	4615	1/1	0.91	0.29	123,123,123,123	0
59	MG	DA	4616	1/1	0.91	0.38	72,72,72,72	0
59	MG	AA	3644	1/1	0.91	0.10	56,56,56,56	0
59	MG	CA	1964	1/1	0.91	0.14	41,41,41,41	0
59	MG	CA	1965	1/1	0.91	0.06	81,81,81,81	0
59	MG	DA	4221	1/1	0.91	0.19	49,49,49,49	0
59	MG	CA	1718	1/1	0.91	0.30	60,60,60,60	0
59	MG	CA	1722	1/1	0.91	0.18	50,50,50,50	0
59	MG	A1	205	1/1	0.91	0.26	79,79,79,79	0
59	MG	DA	3755	1/1	0.91	0.09	70,70,70,70	0
59	MG	CA	1971	1/1	0.91	0.16	54,54,54,54	0
59	MG	DA	5039	1/1	0.91	0.28	75,75,75,75	0
59	MG	BA	2143	1/1	0.91	0.12	138,138,138,138	0
59	MG	DA	4635	1/1	0.91	0.22	71,71,71,71	0
59	MG	DA	3760	1/1	0.91	0.25	78,78,78,78	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3313	1/1	0.91	0.18	83,83,83,83	0
59	MG	CA	1975	1/1	0.91	0.33	71,71,71,71	0
59	MG	BA	2006	1/1	0.91	0.23	71,71,71,71	0
59	MG	AS	201	1/1	0.91	0.54	67,67,67,67	0
59	MG	DA	5049	1/1	0.91	0.29	80,80,80,80	0
59	MG	AS	202	1/1	0.91	0.11	63,63,63,63	0
59	MG	AA	3647	1/1	0.91	0.12	25,25,25,25	0
59	MG	AA	3249	1/1	0.91	0.22	41,41,41,41	0
59	MG	BA	1863	1/1	0.91	0.05	81,81,81,81	0
59	MG	DA	4247	1/1	0.91	0.17	48,48,48,48	0
59	MG	DA	5055	1/1	0.91	0.27	69,69,69,69	0
59	MG	BK	206	1/1	0.91	0.22	108,108,108,108	0
59	MG	AA	3929	1/1	0.91	0.07	104,104,104,104	0
59	MG	AA	4162	1/1	0.91	0.29	94,94,94,94	0
59	MG	DA	5059	1/1	0.91	0.19	66,66,66,66	0
59	MG	DA	4254	1/1	0.91	0.46	83,83,83,83	0
59	MG	AA	4166	1/1	0.91	0.16	142,142,142,142	0
59	MG	DA	4261	1/1	0.91	0.20	65,65,65,65	0
59	MG	AA	3722	1/1	0.91	0.12	50,50,50,50	0
59	MG	BA	1726	1/1	0.91	0.25	62,62,62,62	0
59	MG	DA	4662	1/1	0.91	0.33	101,101,101,101	0
59	MG	DA	3434	1/1	0.91	0.23	41,41,41,41	0
59	MG	AB	202	1/1	0.91	0.25	51,51,51,51	0
59	MG	DA	3811	1/1	0.91	0.15	101,101,101,101	0
59	MG	DA	4268	1/1	0.91	0.18	58,58,58,58	0
59	MG	DA	5072	1/1	0.91	0.15	58,58,58,58	0
59	MG	DA	4675	1/1	0.91	0.28	73,73,73,73	0
59	MG	AA	3857	1/1	0.91	0.42	65,65,65,65	0
59	MG	DA	4680	1/1	0.91	0.08	71,71,71,71	0
59	MG	BA	2023	1/1	0.91	0.20	67,67,67,67	0
59	MG	CA	1764	1/1	0.91	0.08	48,48,48,48	0
59	MG	CA	2227	1/1	0.91	0.45	78,78,78,78	0
59	MG	DA	3819	1/1	0.91	0.16	68,68,68,68	0
59	MG	BA	1874	1/1	0.91	0.10	93,93,93,93	0
59	MG	DA	3821	1/1	0.91	0.20	81,81,81,81	0
59	MG	CA	2006	1/1	0.91	0.14	67,67,67,67	0
59	MG	BA	1877	1/1	0.91	0.15	75,75,75,75	0
59	MG	DA	3454	1/1	0.91	0.24	51,51,51,51	0
59	MG	BA	1878	1/1	0.91	0.14	75,75,75,75	0
59	MG	DA	4290	1/1	0.91	0.45	74,74,74,74	0
59	MG	DB	224	1/1	0.91	0.24	51,51,51,51	0
59	MG	BA	2168	1/1	0.91	0.08	73,73,73,73	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3458	1/1	0.91	0.38	54,54,54,54	0
59	MG	AA	3345	1/1	0.91	0.23	55,55,55,55	0
59	MG	DA	3463	1/1	0.91	0.39	61,61,61,61	0
59	MG	DA	3464	1/1	0.91	0.29	53,53,53,53	0
59	MG	DA	4300	1/1	0.91	0.15	45,45,45,45	0
59	MG	AA	3282	1/1	0.91	0.08	64,64,64,64	0
59	MG	DA	3466	1/1	0.91	0.20	79,79,79,79	0
59	MG	BT	202	1/1	0.91	0.10	76,76,76,76	0
59	MG	DB	236	1/1	0.91	0.15	49,49,49,49	0
59	MG	AA	3221	1/1	0.91	0.33	63,63,63,63	0
59	MG	C1	101	1/1	0.91	0.43	156,156,156,156	0
59	MG	AA	3866	1/1	0.91	0.32	96,96,96,96	0
59	MG	DA	4314	1/1	0.91	0.26	67,67,67,67	0
59	MG	BA	2035	1/1	0.91	0.15	91,91,91,91	0
59	MG	DA	3850	1/1	0.91	0.26	51,51,51,51	0
59	MG	AA	3183	1/1	0.91	0.21	29,29,29,29	0
59	MG	DA	4319	1/1	0.91	0.23	67,67,67,67	0
59	MG	AA	3322	1/1	0.91	0.17	58,58,58,58	0
59	MG	CA	2024	1/1	0.91	0.05	96,96,96,96	0
59	MG	AA	3663	1/1	0.91	0.24	61,61,61,61	0
59	MG	DA	4738	1/1	0.91	0.10	55,55,55,55	0
59	MG	BA	1897	1/1	0.91	0.21	65,65,65,65	0
59	MG	DA	3860	1/1	0.91	0.31	55,55,55,55	0
59	MG	BA	2180	1/1	0.91	0.33	88,88,88,88	0
59	MG	DA	4330	1/1	0.91	0.14	56,56,56,56	0
59	MG	DA	3083	1/1	0.91	0.22	9,9,9,9	0
59	MG	DA	3094	1/1	0.91	0.29	23,23,23,23	0
59	MG	CA	2031	1/1	0.91	0.22	77,77,77,77	0
59	MG	DA	4751	1/1	0.91	0.20	121,121,121,121	0
59	MG	AW	102	1/1	0.91	0.38	56,56,56,56	0
59	MG	BA	1749	1/1	0.91	0.08	30,30,30,30	0
59	MG	DB	275	1/1	0.91	0.15	50,50,50,50	0
59	MG	DA	3111	1/1	0.91	0.38	64,64,64,64	0
59	MG	AA	3208	1/1	0.91	0.17	30,30,30,30	0
59	MG	DD	302	1/1	0.91	0.35	58,58,58,58	0
59	MG	DD	306	1/1	0.91	0.17	51,51,51,51	0
59	MG	CA	1793	1/1	0.91	0.15	74,74,74,74	0
59	MG	A6	101	1/1	0.91	0.07	55,55,55,55	0
59	MG	AA	3503	1/1	0.91	0.17	23,23,23,23	0
59	MG	DA	4351	1/1	0.91	0.17	43,43,43,43	0
59	MG	CA	1798	1/1	0.91	0.19	139,139,139,139	0
59	MG	AA	3185	1/1	0.91	0.20	29,29,29,29	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4355	1/1	0.91	0.50	79,79,79,79	0
59	MG	BA	2049	1/1	0.91	0.24	55,55,55,55	0
59	MG	DE	310	1/1	0.91	0.27	52,52,52,52	0
59	MG	BA	1910	1/1	0.91	0.09	59,59,59,59	0
59	MG	DA	3516	1/1	0.91	0.21	53,53,53,53	0
59	MG	CA	1807	1/1	0.91	0.18	63,63,63,63	0
59	MG	DA	3135	1/1	0.91	0.14	35,35,35,35	0
59	MG	DA	3896	1/1	0.91	0.14	69,69,69,69	0
59	MG	DF	304	1/1	0.91	0.17	29,29,29,29	0
59	MG	DA	3519	1/1	0.91	0.16	36,36,36,36	0
59	MG	BA	1911	1/1	0.91	0.41	76,76,76,76	0
59	MG	DA	3521	1/1	0.91	0.31	61,61,61,61	0
59	MG	AA	3801	1/1	0.91	0.09	90,90,90,90	0
59	MG	DF	313	1/1	0.91	0.16	68,68,68,68	0
59	MG	DF	315	1/1	0.91	0.24	76,76,76,76	0
59	MG	BA	2196	1/1	0.91	0.20	65,65,65,65	0
59	MG	DA	4377	1/1	0.91	0.17	46,46,46,46	0
59	MG	DF	325	1/1	0.91	0.14	47,47,47,47	0
59	MG	AA	3802	1/1	0.91	0.26	78,78,78,78	0
59	MG	DA	3148	1/1	0.91	0.46	67,67,67,67	0
59	MG	BA	2058	1/1	0.91	0.15	104,104,104,104	0
59	MG	BA	2199	1/1	0.91	0.17	107,107,107,107	0
59	MG	AA	3597	1/1	0.91	0.24	63,63,63,63	0
59	MG	DA	3918	1/1	0.91	0.32	50,50,50,50	0
59	MG	BD	121	1/1	0.91	0.27	79,79,79,79	0
59	MG	DA	3536	1/1	0.91	0.32	48,48,48,48	0
59	MG	AA	3603	1/1	0.91	0.08	80,80,80,80	0
59	MG	DA	3539	1/1	0.91	0.24	93,93,93,93	0
59	MG	BA	2203	1/1	0.91	0.19	118,118,118,118	0
59	MG	DA	3543	1/1	0.91	0.28	62,62,62,62	0
59	MG	DA	3166	1/1	0.91	0.29	56,56,56,56	0
59	MG	DM	201	1/1	0.91	0.20	29,29,29,29	0
59	MG	AA	4098	1/1	0.91	0.48	83,83,83,83	0
59	MG	DM	203	1/1	0.91	0.14	59,59,59,59	0
59	MG	DM	204	1/1	0.91	1.30	67,67,67,67	0
59	MG	DA	3552	1/1	0.91	0.19	45,45,45,45	0
59	MG	DN	201	1/1	0.91	0.27	50,50,50,50	0
59	MG	AA	3510	1/1	0.91	0.12	26,26,26,26	0
59	MG	AA	3674	1/1	0.91	0.24	61,61,61,61	0
59	MG	DO	207	1/1	0.91	0.12	37,37,37,37	0
59	MG	DA	4812	1/1	0.91	0.18	87,87,87,87	0
59	MG	BB	101	1/1	0.91	0.11	76,76,76,76	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3960	1/1	0.91	0.17	54,54,54,54	0
59	MG	BA	1607	1/1	0.91	0.25	74,74,74,74	0
59	MG	AA	3084	1/1	0.91	0.11	55,55,55,55	0
59	MG	DA	4818	1/1	0.91	0.28	80,80,80,80	0
59	MG	AA	4026	1/1	0.91	0.20	53,53,53,53	0
59	MG	BA	2211	1/1	0.91	0.24	78,78,78,78	0
59	MG	DA	3976	1/1	0.91	0.62	37,37,37,37	0
59	MG	DA	4424	1/1	0.91	0.13	46,46,46,46	0
59	MG	DA	4426	1/1	0.91	0.49	75,75,75,75	0
59	MG	DA	4427	1/1	0.91	0.15	53,53,53,53	0
59	MG	AA	3676	1/1	0.91	0.46	81,81,81,81	0
59	MG	DA	3186	1/1	0.91	0.16	39,39,39,39	0
59	MG	DR	201	1/1	0.91	0.14	72,72,72,72	0
59	MG	DA	3187	1/1	0.91	0.23	45,45,45,45	0
59	MG	CA	2074	1/1	0.91	0.07	61,61,61,61	0
59	MG	DA	3986	1/1	0.91	0.19	51,51,51,51	0
59	MG	D1	205	1/1	0.91	0.32	55,55,55,55	0
59	MG	BA	2073	1/1	0.91	0.08	81,81,81,81	0
59	MG	BA	1623	1/1	0.91	0.09	53,53,53,53	0
59	MG	AA	4028	1/1	0.91	0.23	81,81,81,81	0
59	MG	BB	113	1/1	0.91	0.16	142,142,142,142	0
59	MG	D2	204	1/1	0.91	0.47	51,51,51,51	0
59	MG	DA	3995	1/1	0.91	0.29	71,71,71,71	0
59	MG	DA	4848	1/1	0.91	0.21	67,67,67,67	0
59	MG	DA	4450	1/1	0.91	0.24	68,68,68,68	0
59	MG	DA	3580	1/1	0.91	0.31	58,58,58,58	0
59	MG	AA	3394	1/1	0.91	0.16	45,45,45,45	0
59	MG	AA	3559	1/1	0.91	0.19	50,50,50,50	0
59	MG	DA	4856	1/1	0.91	0.17	49,49,49,49	0
59	MG	DS	205	1/1	0.91	0.17	58,58,58,58	0
59	MG	DA	4005	1/1	0.91	0.38	84,84,84,84	0
59	MG	AA	3262	1/1	0.91	0.20	76,76,76,76	0
59	MG	AA	3969	1/1	0.91	0.15	60,60,60,60	0
59	MG	AA	4037	1/1	0.91	0.11	43,43,43,43	0
59	MG	BA	2222	1/1	0.91	0.08	102,102,102,102	0
59	MG	DA	4466	1/1	0.91	0.25	73,73,73,73	0
59	MG	DA	4472	1/1	0.91	0.21	56,56,56,56	0
59	MG	AB	236	1/1	0.91	0.22	64,64,64,64	0
59	MG	BA	1935	1/1	0.91	0.22	95,95,95,95	0
59	MG	AD	302	1/1	0.91	0.17	71,71,71,71	0
59	MG	AD	307	1/1	0.91	0.19	51,51,51,51	0
59	MG	DU	210	1/1	0.91	0.42	107,107,107,107	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2102	1/1	0.91	0.17	57,57,57,57	0
59	MG	DA	3223	1/1	0.91	0.34	45,45,45,45	0
59	MG	BA	2228	1/1	0.91	0.22	98,98,98,98	0
59	MG	DA	4878	1/1	0.91	0.29	50,50,50,50	0
59	MG	DA	4036	1/1	0.91	0.19	55,55,55,55	0
59	MG	AA	3682	1/1	0.91	0.13	75,75,75,75	0
59	MG	AA	3427	1/1	0.91	0.07	47,47,47,47	0
59	MG	DA	4039	1/1	0.91	0.36	75,75,75,75	0
59	MG	AA	3074	1/1	0.91	0.23	51,51,51,51	0
59	MG	DA	3246	1/1	0.91	0.16	34,34,34,34	0
59	MG	CA	1877	1/1	0.91	0.13	100,100,100,100	0
59	MG	DA	4888	1/1	0.91	0.44	76,76,76,76	0
59	MG	DA	4889	1/1	0.91	0.38	75,75,75,75	0
59	MG	BA	1947	1/1	0.91	0.15	53,53,53,53	0
59	MG	CA	2111	1/1	0.91	0.06	75,75,75,75	0
59	MG	DA	4893	1/1	0.91	0.21	99,99,99,99	0
59	MG	DA	4894	1/1	0.91	0.21	63,63,63,63	0
59	MG	DA	4046	1/1	0.91	0.10	52,52,52,52	0
59	MG	DA	3254	1/1	0.91	0.26	25,25,25,25	0
59	MG	DA	4897	1/1	0.91	0.22	76,76,76,76	0
59	MG	CA	1882	1/1	0.91	0.27	55,55,55,55	0
59	MG	CA	1616	1/1	0.91	0.23	39,39,39,39	0
59	MG	BA	2235	1/1	0.91	0.09	69,69,69,69	0
59	MG	D5	102	1/1	0.91	0.15	24,24,24,24	0
59	MG	D5	105	1/1	0.91	0.13	63,63,63,63	0
59	MG	DA	4501	1/1	0.91	0.26	54,54,54,54	0
59	MG	D5	108	1/1	0.91	0.34	63,63,63,63	0
59	MG	AA	3431	1/1	0.91	0.14	53,53,53,53	0
59	MG	BA	1648	1/1	0.91	0.26	50,50,50,50	0
59	MG	AA	3471	1/1	0.91	0.17	77,77,77,77	0
59	MG	AA	4120	1/1	0.91	0.24	87,87,87,87	0
59	MG	DA	4908	1/1	0.91	0.15	64,64,64,64	0
59	MG	DA	4059	1/1	0.91	0.16	103,103,103,103	0
59	MG	BA	1654	1/1	0.91	0.29	53,53,53,53	0
59	MG	AA	4048	1/1	0.91	0.14	93,93,93,93	0
59	MG	DA	4914	1/1	0.91	0.21	44,44,44,44	0
59	MG	CA	1635	1/1	0.91	0.30	21,21,21,21	0
60	ZN	D4	103	1/1	0.91	0.36	200,200,200,200	0
59	MG	DA	4554	1/1	0.92	0.34	81,81,81,81	0
59	MG	DA	4557	1/1	0.92	0.09	56,56,56,56	0
59	MG	DA	3686	1/1	0.92	0.19	70,70,70,70	0
59	MG	BA	2095	1/1	0.92	0.27	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3051	1/1	0.92	0.23	62,62,62,62	0
59	MG	DA	3691	1/1	0.92	0.16	69,69,69,69	0
59	MG	AD	303	1/1	0.92	0.51	62,62,62,62	0
59	MG	DA	4569	1/1	0.92	0.17	37,37,37,37	0
59	MG	CD	115	1/1	0.92	0.50	85,85,85,85	0
59	MG	AA	3921	1/1	0.92	0.09	44,44,44,44	0
59	MG	CD	117	1/1	0.92	0.19	58,58,58,58	0
59	MG	BA	1976	1/1	0.92	0.15	147,147,147,147	0
59	MG	AD	310	1/1	0.92	0.26	42,42,42,42	0
59	MG	AA	3137	1/1	0.92	0.23	25,25,25,25	0
59	MG	DA	4166	1/1	0.92	0.32	41,41,41,41	0
59	MG	AA	3614	1/1	0.92	0.14	62,62,62,62	0
59	MG	AA	3798	1/1	0.92	0.08	47,47,47,47	0
59	MG	BA	1983	1/1	0.92	0.05	80,80,80,80	0
59	MG	DA	4974	1/1	0.92	0.19	57,57,57,57	0
59	MG	DA	4176	1/1	0.92	0.14	53,53,53,53	0
59	MG	BA	1856	1/1	0.92	0.11	60,60,60,60	0
59	MG	CA	1785	1/1	0.92	0.29	63,63,63,63	0
59	MG	BB	102	1/1	0.92	0.08	55,55,55,55	0
59	MG	DA	4589	1/1	0.92	0.35	58,58,58,58	0
59	MG	BA	2229	1/1	0.92	0.12	67,67,67,67	0
59	MG	AA	3742	1/1	0.92	0.08	70,70,70,70	0
59	MG	AA	4138	1/1	0.92	0.33	57,57,57,57	0
59	MG	DA	4188	1/1	0.92	0.10	39,39,39,39	0
59	MG	BA	1615	1/1	0.92	0.19	81,81,81,81	0
59	MG	CA	2008	1/1	0.92	0.13	56,56,56,56	0
59	MG	DA	4992	1/1	0.92	0.26	88,88,88,88	0
59	MG	CA	2009	1/1	0.92	0.13	61,61,61,61	0
59	MG	DA	3746	1/1	0.92	0.18	36,36,36,36	0
59	MG	BA	1861	1/1	0.92	0.11	78,78,78,78	0
59	MG	BA	1742	1/1	0.92	0.25	46,46,46,46	0
59	MG	DA	3750	1/1	0.92	0.44	101,101,101,101	0
59	MG	DA	4214	1/1	0.92	0.18	50,50,50,50	0
59	MG	CA	2012	1/1	0.92	0.25	69,69,69,69	0
59	MG	DA	3754	1/1	0.92	0.08	107,107,107,107	0
59	MG	CA	1796	1/1	0.92	0.14	67,67,67,67	0
59	MG	AA	3018	1/1	0.92	0.16	22,22,22,22	0
59	MG	BA	1992	1/1	0.92	0.17	95,95,95,95	0
59	MG	AA	3411	1/1	0.92	0.18	73,73,73,73	0
59	MG	DA	5007	1/1	0.92	0.45	82,82,82,82	0
59	MG	AA	3865	1/1	0.92	0.19	62,62,62,62	0
59	MG	CA	1805	1/1	0.92	0.06	52,52,52,52	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2021	1/1	0.92	0.09	63,63,63,63	0
59	MG	BC	102	1/1	0.92	0.10	78,78,78,78	0
59	MG	DA	3768	1/1	0.92	0.15	77,77,77,77	0
59	MG	DA	4623	1/1	0.92	0.17	47,47,47,47	0
59	MG	DA	4233	1/1	0.92	0.36	69,69,69,69	0
59	MG	CA	1808	1/1	0.92	0.19	148,148,148,148	0
59	MG	DA	5018	1/1	0.92	0.27	89,89,89,89	0
59	MG	AA	3624	1/1	0.92	0.30	38,38,38,38	0
59	MG	BC	107	1/1	0.92	0.31	65,65,65,65	0
59	MG	BA	1998	1/1	0.92	0.13	76,76,76,76	0
59	MG	CC	110	1/1	0.92	0.21	71,71,71,71	0
59	MG	DA	3787	1/1	0.92	0.13	114,114,114,114	0
59	MG	DA	3789	1/1	0.92	0.13	45,45,45,45	0
59	MG	DA	3421	1/1	0.92	0.21	56,56,56,56	0
59	MG	DA	3792	1/1	0.92	0.40	92,92,92,92	0
59	MG	DA	3422	1/1	0.92	0.15	41,41,41,41	0
59	MG	DA	4642	1/1	0.92	0.25	57,57,57,57	0
59	MG	DA	5035	1/1	0.92	0.24	51,51,51,51	0
59	MG	AA	3199	1/1	0.92	0.34	75,75,75,75	0
59	MG	AA	3568	1/1	0.92	0.20	41,41,41,41	0
59	MG	DA	4253	1/1	0.92	0.27	62,62,62,62	0
59	MG	CA	1822	1/1	0.92	0.09	56,56,56,56	0
59	MG	CA	1823	1/1	0.92	0.09	67,67,67,67	0
59	MG	BA	1752	1/1	0.92	0.18	48,48,48,48	0
59	MG	BA	1631	1/1	0.92	0.25	48,48,48,48	0
59	MG	AA	3291	1/1	0.92	0.16	34,34,34,34	0
59	MG	CA	1829	1/1	0.92	0.07	61,61,61,61	0
59	MG	CA	2245	1/1	0.92	0.41	133,133,133,133	0
59	MG	CA	1830	1/1	0.92	0.04	59,59,59,59	0
59	MG	DA	4267	1/1	0.92	0.48	72,72,72,72	0
59	MG	DA	3450	1/1	0.92	0.45	75,75,75,75	0
59	MG	BA	1876	1/1	0.92	0.07	62,62,62,62	0
59	MG	DA	4271	1/1	0.92	0.74	53,53,53,53	0
59	MG	BA	2005	1/1	0.92	0.04	75,75,75,75	0
59	MG	AA	3481	1/1	0.92	0.17	61,61,61,61	0
59	MG	DA	4667	1/1	0.92	0.20	46,46,46,46	0
59	MG	DA	3823	1/1	0.92	0.10	81,81,81,81	0
59	MG	CA	1836	1/1	0.92	0.52	131,131,131,131	0
59	MG	C1	103	1/1	0.92	0.13	64,64,64,64	0
59	MG	AA	3941	1/1	0.92	0.16	57,57,57,57	0
59	MG	CA	1604	1/1	0.92	0.24	10,10,10,10	0
59	MG	BA	1636	1/1	0.92	0.29	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4682	1/1	0.92	0.31	63,63,63,63	0
59	MG	DA	3019	1/1	0.92	0.34	20,20,20,20	0
59	MG	AA	3038	1/1	0.92	0.23	68,68,68,68	0
59	MG	DA	3833	1/1	0.92	0.14	65,65,65,65	0
59	MG	CA	2257	1/1	0.92	0.26	60,60,60,60	0
59	MG	DA	3042	1/1	0.92	0.20	21,21,21,21	0
59	MG	BA	2135	1/1	0.92	0.23	77,77,77,77	0
59	MG	DA	3839	1/1	0.92	0.17	54,54,54,54	0
59	MG	DA	4694	1/1	0.92	0.15	56,56,56,56	0
59	MG	DA	4695	1/1	0.92	0.14	52,52,52,52	0
59	MG	DA	3064	1/1	0.92	0.15	35,35,35,35	0
59	MG	DB	203	1/1	0.92	0.34	46,46,46,46	0
59	MG	DB	204	1/1	0.92	0.10	23,23,23,23	0
59	MG	DA	3074	1/1	0.92	0.22	22,22,22,22	0
59	MG	CA	1615	1/1	0.92	0.19	60,60,60,60	0
59	MG	DA	4303	1/1	0.92	0.15	47,47,47,47	0
59	MG	AA	3809	1/1	0.92	0.15	84,84,84,84	0
59	MG	DA	4709	1/1	0.92	0.25	81,81,81,81	0
59	MG	DA	3475	1/1	0.92	0.23	51,51,51,51	0
59	MG	DA	4309	1/1	0.92	0.09	36,36,36,36	0
59	MG	CA	2262	1/1	0.92	0.09	61,61,61,61	0
59	MG	AA	3293	1/1	0.92	0.11	45,45,45,45	0
59	MG	DB	217	1/1	0.92	0.25	46,46,46,46	0
59	MG	DA	3096	1/1	0.92	0.15	7,7,7,7	0
59	MG	AO	202	1/1	0.92	0.13	55,55,55,55	0
59	MG	DA	3107	1/1	0.92	0.17	43,43,43,43	0
59	MG	DA	3858	1/1	0.92	0.13	49,49,49,49	0
59	MG	AA	3877	1/1	0.92	0.28	109,109,109,109	0
59	MG	DA	3488	1/1	0.92	0.25	37,37,37,37	0
59	MG	AA	3384	1/1	0.92	0.27	47,47,47,47	0
59	MG	CA	1628	1/1	0.92	0.36	42,42,42,42	0
59	MG	DB	230	1/1	0.92	0.56	87,87,87,87	0
59	MG	AO	205	1/1	0.92	0.18	52,52,52,52	0
59	MG	DA	3869	1/1	0.92	0.25	83,83,83,83	0
59	MG	AA	3695	1/1	0.92	0.15	49,49,49,49	0
59	MG	AA	4161	1/1	0.92	0.15	68,68,68,68	0
59	MG	AA	3119	1/1	0.92	0.12	46,46,46,46	0
59	MG	AA	3120	1/1	0.92	0.40	59,59,59,59	0
59	MG	DA	3500	1/1	0.92	0.12	57,57,57,57	0
59	MG	DA	3501	1/1	0.92	0.25	51,51,51,51	0
59	MG	DA	4337	1/1	0.92	0.21	58,58,58,58	0
59	MG	AA	3954	1/1	0.92	0.23	71,71,71,71	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4340	1/1	0.92	0.26	60,60,60,60	0
59	MG	DB	248	1/1	0.92	0.18	76,76,76,76	0
59	MG	DA	3124	1/1	0.92	0.20	36,36,36,36	0
59	MG	BA	1907	1/1	0.92	0.15	56,56,56,56	0
59	MG	DA	3885	1/1	0.92	0.11	57,57,57,57	0
59	MG	DA	4750	1/1	0.92	0.15	68,68,68,68	0
59	MG	AA	3640	1/1	0.92	0.22	45,45,45,45	0
59	MG	BA	1658	1/1	0.92	0.14	49,49,49,49	0
59	MG	CA	2280	1/1	0.92	0.07	84,84,84,84	0
59	MG	CA	1651	1/1	0.92	0.18	33,33,33,33	0
59	MG	CA	1652	1/1	0.92	0.29	39,39,39,39	0
59	MG	DA	4758	1/1	0.92	0.33	71,71,71,71	0
59	MG	CA	2079	1/1	0.92	0.24	83,83,83,83	0
59	MG	CA	1654	1/1	0.92	0.22	48,48,48,48	0
59	MG	AA	3957	1/1	0.92	0.15	74,74,74,74	0
59	MG	DB	270	1/1	0.92	0.26	61,61,61,61	0
59	MG	AA	3233	1/1	0.92	0.20	55,55,55,55	0
59	MG	DB	272	1/1	0.92	0.13	81,81,81,81	0
59	MG	CA	1875	1/1	0.92	0.12	71,71,71,71	0
59	MG	DA	3157	1/1	0.92	0.41	58,58,58,58	0
59	MG	DA	4363	1/1	0.92	0.13	42,42,42,42	0
59	MG	DA	3158	1/1	0.92	0.10	28,28,28,28	0
59	MG	AA	3280	1/1	0.92	0.26	56,56,56,56	0
59	MG	BA	2156	1/1	0.92	0.11	90,90,90,90	0
59	MG	CA	1879	1/1	0.92	0.43	58,58,58,58	0
59	MG	DA	3911	1/1	0.92	0.12	115,115,115,115	0
59	MG	DA	4777	1/1	0.92	0.24	96,96,96,96	0
59	MG	DD	310	1/1	0.92	0.45	64,64,64,64	0
59	MG	DA	3165	1/1	0.92	0.31	46,46,46,46	0
59	MG	CA	1665	1/1	0.92	0.15	31,31,31,31	0
59	MG	DA	3534	1/1	0.92	0.37	49,49,49,49	0
59	MG	AA	3105	1/1	0.92	0.21	50,50,50,50	0
59	MG	CA	2300	1/1	0.92	0.16	119,119,119,119	0
59	MG	CA	1668	1/1	0.92	0.21	88,88,88,88	0
59	MG	AA	3961	1/1	0.92	0.29	54,54,54,54	0
59	MG	DA	4787	1/1	0.92	0.35	85,85,85,85	0
59	MG	AA	3962	1/1	0.92	0.31	57,57,57,57	0
59	MG	BA	2038	1/1	0.92	0.25	80,80,80,80	0
59	MG	DA	3544	1/1	0.92	0.18	51,51,51,51	0
59	MG	DF	302	1/1	0.92	0.27	46,46,46,46	0
59	MG	CA	2104	1/1	0.92	0.07	67,67,67,67	0
59	MG	A1	203	1/1	0.92	0.21	77,77,77,77	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3283	1/1	0.92	0.08	74,74,74,74	0
59	MG	BH	201	1/1	0.92	0.23	55,55,55,55	0
59	MG	DA	3558	1/1	0.92	0.34	64,64,64,64	0
59	MG	DA	3958	1/1	0.92	0.11	55,55,55,55	0
59	MG	BH	202	1/1	0.92	0.10	61,61,61,61	0
59	MG	DF	314	1/1	0.92	0.22	58,58,58,58	0
59	MG	DA	3962	1/1	0.92	0.15	81,81,81,81	0
59	MG	AA	3823	1/1	0.92	0.17	89,89,89,89	0
59	MG	DF	319	1/1	0.92	0.15	67,67,67,67	0
59	MG	AA	3588	1/1	0.92	0.17	82,82,82,82	0
59	MG	CA	1904	1/1	0.92	0.37	74,74,74,74	0
59	MG	CA	2115	1/1	0.92	0.29	78,78,78,78	0
59	MG	DA	3566	1/1	0.92	0.10	21,21,21,21	0
59	MG	BA	1674	1/1	0.92	0.11	45,45,45,45	0
59	MG	BA	1925	1/1	0.92	0.13	55,55,55,55	0
59	MG	CA	1688	1/1	0.92	0.18	42,42,42,42	0
59	MG	DA	3202	1/1	0.92	0.20	37,37,37,37	0
59	MG	AB	213	1/1	0.92	0.12	60,60,60,60	0
59	MG	DA	4816	1/1	0.92	0.22	66,66,66,66	0
59	MG	DA	3987	1/1	0.92	0.20	53,53,53,53	0
59	MG	DK	202	1/1	0.92	0.13	66,66,66,66	0
59	MG	AA	3399	1/1	0.92	0.19	75,75,75,75	0
59	MG	DA	4819	1/1	0.92	0.26	64,64,64,64	0
59	MG	CA	2322	1/1	0.92	0.21	88,88,88,88	0
59	MG	AA	3826	1/1	0.92	0.20	92,92,92,92	0
59	MG	DA	3993	1/1	0.92	0.21	51,51,51,51	0
59	MG	DA	4824	1/1	0.92	0.23	71,71,71,71	0
59	MG	DA	3213	1/1	0.92	0.39	53,53,53,53	0
59	MG	AA	3505	1/1	0.92	0.16	55,55,55,55	0
59	MG	BA	1801	1/1	0.92	0.23	40,40,40,40	0
59	MG	AA	3971	1/1	0.92	0.18	85,85,85,85	0
59	MG	CE	304	1/1	0.92	0.12	62,62,62,62	0
59	MG	BA	2055	1/1	0.92	0.08	89,89,89,89	0
59	MG	DA	3222	1/1	0.92	0.09	42,42,42,42	0
59	MG	DA	4832	1/1	0.92	0.17	86,86,86,86	0
59	MG	CA	2128	1/1	0.92	0.39	101,101,101,101	0
59	MG	DO	214	1/1	0.92	0.78	61,61,61,61	0
59	MG	DA	4008	1/1	0.92	0.17	49,49,49,49	0
59	MG	DA	4836	1/1	0.92	0.13	41,41,41,41	0
59	MG	DP	201	1/1	0.92	0.19	29,29,29,29	0
59	MG	DP	202	1/1	0.92	0.23	53,53,53,53	0
59	MG	AA	3655	1/1	0.92	0.08	50,50,50,50	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3228	1/1	0.92	0.16	36,36,36,36	0
59	MG	CA	2130	1/1	0.92	0.23	117,117,117,117	0
59	MG	AA	3592	1/1	0.92	0.16	63,63,63,63	0
59	MG	DA	4846	1/1	0.92	0.18	73,73,73,73	0
59	MG	D0	206	1/1	0.92	0.14	45,45,45,45	0
59	MG	DA	3231	1/1	0.92	0.15	9,9,9,9	0
59	MG	DA	3232	1/1	0.92	0.26	61,61,61,61	0
59	MG	AA	3458	1/1	0.92	0.10	49,49,49,49	0
59	MG	AA	3550	1/1	0.92	0.22	82,82,82,82	0
59	MG	DA	4853	1/1	0.92	0.21	80,80,80,80	0
59	MG	DA	4468	1/1	0.92	0.27	60,60,60,60	0
59	MG	DR	202	1/1	0.92	0.52	60,60,60,60	0
59	MG	AB	222	1/1	0.92	0.12	85,85,85,85	0
59	MG	DA	3248	1/1	0.92	0.46	70,70,70,70	0
59	MG	CA	2136	1/1	0.92	0.23	77,77,77,77	0
59	MG	BA	1809	1/1	0.92	0.14	114,114,114,114	0
59	MG	BA	1695	1/1	0.92	0.18	44,44,44,44	0
59	MG	AA	3115	1/1	0.92	0.36	76,76,76,76	0
59	MG	BA	1942	1/1	0.92	0.10	63,63,63,63	0
59	MG	AA	3662	1/1	0.92	0.08	51,51,51,51	0
59	MG	BA	1945	1/1	0.92	0.14	56,56,56,56	0
59	MG	D2	206	1/1	0.92	0.21	55,55,55,55	0
59	MG	D2	207	1/1	0.92	0.12	68,68,68,68	0
59	MG	CH	205	1/1	0.92	0.18	87,87,87,87	0
59	MG	CH	206	1/1	0.92	0.18	70,70,70,70	0
59	MG	A3	102	1/1	0.92	0.18	83,83,83,83	0
59	MG	BT	201	1/1	0.92	0.45	110,110,110,110	0
59	MG	CA	1725	1/1	0.92	0.18	55,55,55,55	0
59	MG	BA	2193	1/1	0.92	0.41	76,76,76,76	0
59	MG	CA	1727	1/1	0.92	0.23	56,56,56,56	0
59	MG	A3	103	1/1	0.92	0.12	55,55,55,55	0
59	MG	DA	3630	1/1	0.92	0.27	71,71,71,71	0
59	MG	BA	1701	1/1	0.92	0.13	59,59,59,59	0
59	MG	BA	1703	1/1	0.92	0.12	40,40,40,40	0
59	MG	CA	1731	1/1	0.92	0.14	56,56,56,56	0
59	MG	DA	3637	1/1	0.92	0.28	63,63,63,63	0
59	MG	DA	3639	1/1	0.92	0.21	66,66,66,66	0
59	MG	DA	4065	1/1	0.92	0.11	58,58,58,58	0
59	MG	BA	2079	1/1	0.92	0.17	99,99,99,99	0
59	MG	CK	211	1/1	0.92	0.17	57,57,57,57	0
59	MG	CA	1738	1/1	0.92	0.29	66,66,66,66	0
59	MG	CM	202	1/1	0.92	0.23	86,86,86,86	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3289	1/1	0.92	0.19	27,27,27,27	0
59	MG	CA	1741	1/1	0.92	0.13	66,66,66,66	0
59	MG	CN	202	1/1	0.92	0.20	64,64,64,64	0
59	MG	DU	214	1/1	0.92	0.27	62,62,62,62	0
59	MG	DA	4511	1/1	0.92	0.15	90,90,90,90	0
59	MG	CA	2159	1/1	0.92	0.12	46,46,46,46	0
59	MG	DA	3298	1/1	0.92	0.17	97,97,97,97	0
59	MG	DA	4514	1/1	0.92	0.27	80,80,80,80	0
59	MG	DA	4515	1/1	0.92	0.20	60,60,60,60	0
59	MG	AA	3314	1/1	0.92	0.12	74,74,74,74	0
59	MG	AA	3404	1/1	0.92	0.42	77,77,77,77	0
59	MG	DA	3303	1/1	0.92	0.41	46,46,46,46	0
59	MG	BA	1823	1/1	0.92	0.08	84,84,84,84	0
59	MG	AA	3467	1/1	0.92	0.29	55,55,55,55	0
59	MG	CS	105	1/1	0.92	0.14	69,69,69,69	0
59	MG	BD	101	1/1	0.92	0.35	86,86,86,86	0
59	MG	BA	1709	1/1	0.92	0.29	53,53,53,53	0
59	MG	DA	4912	1/1	0.92	0.14	42,42,42,42	0
59	MG	DA	4527	1/1	0.92	0.11	53,53,53,53	0
59	MG	AA	3521	1/1	0.92	0.15	32,32,32,32	0
59	MG	DA	4530	1/1	0.92	0.17	72,72,72,72	0
59	MG	DW	103	1/1	0.92	0.21	78,78,78,78	0
59	MG	CT	203	1/1	0.92	0.14	54,54,54,54	0
59	MG	CA	1753	1/1	0.92	0.40	56,56,56,56	0
59	MG	DA	3325	1/1	0.92	0.24	62,62,62,62	0
59	MG	AA	3149	1/1	0.92	0.26	61,61,61,61	0
59	MG	D5	101	1/1	0.92	0.21	31,31,31,31	0
59	MG	DA	4923	1/1	0.92	0.10	74,74,74,74	0
59	MG	D5	104	1/1	0.92	0.12	38,38,38,38	0
59	MG	DA	4118	1/1	0.92	0.14	96,96,96,96	0
59	MG	DA	3327	1/1	0.92	0.17	48,48,48,48	0
59	MG	DA	4926	1/1	0.92	0.10	46,46,46,46	0
59	MG	AA	3846	1/1	0.92	0.39	88,88,88,88	0
59	MG	AA	3125	1/1	0.92	0.22	51,51,51,51	0
59	MG	BA	1833	1/1	0.92	0.22	71,71,71,71	0
59	MG	BA	2090	1/1	0.92	0.14	119,119,119,119	0
59	MG	AA	3562	1/1	0.92	0.11	55,55,55,55	0
59	MG	AB	235	1/1	0.92	0.08	81,81,81,81	0
59	MG	BD	112	1/1	0.92	0.21	78,78,78,78	0
59	MG	DA	3680	1/1	0.92	0.23	76,76,76,76	0
59	MG	CA	1977	1/1	0.92	0.14	64,64,64,64	0
59	MG	D8	106	1/1	0.92	0.08	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3919	1/1	0.92	0.08	59,59,59,59	0
59	MG	BA	2094	1/1	0.92	0.14	50,50,50,50	0
59	MG	BS	102	1/1	0.93	0.06	69,69,69,69	0
59	MG	DA	4930	1/1	0.93	0.26	73,73,73,73	0
59	MG	DA	4528	1/1	0.93	0.15	65,65,65,65	0
59	MG	AA	3858	1/1	0.93	0.21	76,76,76,76	0
59	MG	BA	1889	1/1	0.93	0.07	37,37,37,37	0
59	MG	A7	104	1/1	0.93	0.27	88,88,88,88	0
59	MG	CA	1958	1/1	0.93	0.18	75,75,75,75	0
59	MG	A8	101	1/1	0.93	0.09	45,45,45,45	0
59	MG	DA	4104	1/1	0.93	0.36	76,76,76,76	0
59	MG	AA	3197	1/1	0.93	0.11	50,50,50,50	0
59	MG	DA	4944	1/1	0.93	0.22	56,56,56,56	0
59	MG	DA	4106	1/1	0.93	0.13	65,65,65,65	0
59	MG	DA	4538	1/1	0.93	0.27	92,92,92,92	0
59	MG	DA	3315	1/1	0.93	0.26	28,28,28,28	0
59	MG	DA	3317	1/1	0.93	0.13	86,86,86,86	0
59	MG	DA	3318	1/1	0.93	0.14	72,72,72,72	0
59	MG	AA	3100	1/1	0.93	0.10	34,34,34,34	0
59	MG	CA	1734	1/1	0.93	0.12	38,38,38,38	0
59	MG	CA	1737	1/1	0.93	0.20	77,77,77,77	0
59	MG	AA	3023	1/1	0.93	0.21	59,59,59,59	0
59	MG	AA	3556	1/1	0.93	0.20	74,74,74,74	0
59	MG	CA	1742	1/1	0.93	0.13	40,40,40,40	0
59	MG	DA	4124	1/1	0.93	0.08	58,58,58,58	0
59	MG	DA	3330	1/1	0.93	0.10	70,70,70,70	0
59	MG	DA	3331	1/1	0.93	0.26	68,68,68,68	0
59	MG	BA	2175	1/1	0.93	0.17	81,81,81,81	0
59	MG	DA	4966	1/1	0.93	0.14	64,64,64,64	0
59	MG	AA	3201	1/1	0.93	0.10	71,71,71,71	0
59	MG	DA	4132	1/1	0.93	0.31	40,40,40,40	0
59	MG	DA	4560	1/1	0.93	0.15	61,61,61,61	0
59	MG	DA	3336	1/1	0.93	0.13	36,36,36,36	0
59	MG	DA	4564	1/1	0.93	0.16	39,39,39,39	0
59	MG	AA	3558	1/1	0.93	0.12	50,50,50,50	0
59	MG	BA	1902	1/1	0.93	0.33	71,71,71,71	0
59	MG	DA	4979	1/1	0.93	0.26	47,47,47,47	0
59	MG	BW	206	1/1	0.93	0.07	56,56,56,56	0
59	MG	DA	4141	1/1	0.93	0.55	66,66,66,66	0
59	MG	AB	232	1/1	0.93	0.27	70,70,70,70	0
59	MG	CD	119	1/1	0.93	0.14	60,60,60,60	0
59	MG	CA	1976	1/1	0.93	0.21	88,88,88,88	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	2181	1/1	0.93	0.17	93,93,93,93	0
59	MG	CA	1978	1/1	0.93	0.07	93,93,93,93	0
59	MG	AA	3737	1/1	0.93	0.13	55,55,55,55	0
59	MG	DA	4991	1/1	0.93	0.21	123,123,123,123	0
59	MG	DA	3355	1/1	0.93	0.31	64,64,64,64	0
59	MG	DA	4578	1/1	0.93	0.16	95,95,95,95	0
59	MG	AA	4104	1/1	0.93	0.37	71,71,71,71	0
59	MG	DA	3359	1/1	0.93	0.30	43,43,43,43	0
59	MG	DA	3363	1/1	0.93	0.07	36,36,36,36	0
59	MG	AA	3410	1/1	0.93	0.29	84,84,84,84	0
59	MG	AA	3947	1/1	0.93	0.24	84,84,84,84	0
59	MG	CA	1983	1/1	0.93	0.33	43,43,43,43	0
59	MG	BA	1622	1/1	0.93	0.09	64,64,64,64	0
59	MG	CA	1986	1/1	0.93	0.13	95,95,95,95	0
59	MG	DA	3723	1/1	0.93	0.21	19,19,19,19	0
59	MG	AA	3673	1/1	0.93	0.27	56,56,56,56	0
59	MG	AA	3803	1/1	0.93	0.17	72,72,72,72	0
59	MG	DA	4182	1/1	0.93	0.40	82,82,82,82	0
59	MG	DA	4596	1/1	0.93	0.33	63,63,63,63	0
59	MG	DA	4183	1/1	0.93	0.10	53,53,53,53	0
59	MG	AA	3258	1/1	0.93	0.44	81,81,81,81	0
59	MG	DA	3730	1/1	0.93	0.28	47,47,47,47	0
59	MG	BA	2054	1/1	0.93	0.19	68,68,68,68	0
59	MG	DA	4601	1/1	0.93	0.20	88,88,88,88	0
59	MG	BA	1627	1/1	0.93	0.37	60,60,60,60	0
59	MG	DA	5016	1/1	0.93	0.19	106,106,106,106	0
59	MG	BA	2056	1/1	0.93	0.27	69,69,69,69	0
59	MG	CB	110	1/1	0.93	0.10	39,39,39,39	0
59	MG	DA	4606	1/1	0.93	0.69	41,41,41,41	0
59	MG	DA	4192	1/1	0.93	0.57	65,65,65,65	0
59	MG	DA	5022	1/1	0.93	0.09	82,82,82,82	0
59	MG	DA	5023	1/1	0.93	0.21	62,62,62,62	0
59	MG	CB	111	1/1	0.93	0.15	54,54,54,54	0
59	MG	DA	3378	1/1	0.93	0.36	55,55,55,55	0
59	MG	DA	3382	1/1	0.93	0.35	47,47,47,47	0
59	MG	DA	4202	1/1	0.93	0.42	69,69,69,69	0
59	MG	DA	4207	1/1	0.93	0.34	84,84,84,84	0
59	MG	AA	3512	1/1	0.93	0.09	31,31,31,31	0
59	MG	AA	3953	1/1	0.93	0.13	60,60,60,60	0
59	MG	CA	1999	1/1	0.93	0.14	63,63,63,63	0
59	MG	AA	4113	1/1	0.93	0.50	92,92,92,92	0
59	MG	DA	3391	1/1	0.93	0.42	84,84,84,84	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3618	1/1	0.93	0.15	89,89,89,89	0
59	MG	DA	4624	1/1	0.93	0.12	68,68,68,68	0
59	MG	AA	3412	1/1	0.93	0.17	30,30,30,30	0
59	MG	CA	2218	1/1	0.93	0.20	82,82,82,82	0
59	MG	AA	3956	1/1	0.93	0.44	93,93,93,93	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	CC	104	1/1	0.93	0.08	23,23,23,23	0
59	MG	BA	2065	1/1	0.93	0.14	73,73,73,73	0
59	MG	AA	3162	1/1	0.93	0.10	48,48,48,48	0
59	MG	AA	3127	1/1	0.93	0.09	46,46,46,46	0
59	MG	AA	3881	1/1	0.93	0.12	72,72,72,72	0
59	MG	DA	4640	1/1	0.93	0.21	66,66,66,66	0
59	MG	AA	3453	1/1	0.93	0.09	123,123,123,123	0
59	MG	AF	307	1/1	0.93	0.24	63,63,63,63	0
59	MG	CA	1788	1/1	0.93	0.07	79,79,79,79	0
59	MG	BA	2072	1/1	0.93	0.14	72,72,72,72	0
59	MG	AA	3626	1/1	0.93	0.22	48,48,48,48	0
59	MG	DA	4243	1/1	0.93	0.17	59,59,59,59	0
59	MG	AA	4039	1/1	0.93	0.16	95,95,95,95	0
59	MG	BB	103	1/1	0.93	0.11	77,77,77,77	0
59	MG	BB	104	1/1	0.93	0.14	71,71,71,71	0
59	MG	AA	3415	1/1	0.93	0.06	63,63,63,63	0
59	MG	AA	3263	1/1	0.93	0.67	57,57,57,57	0
59	MG	AA	3264	1/1	0.93	0.15	43,43,43,43	0
59	MG	AA	4132	1/1	0.93	0.17	68,68,68,68	0
59	MG	DA	3801	1/1	0.93	0.64	96,96,96,96	0
59	MG	DA	3426	1/1	0.93	0.41	39,39,39,39	0
59	MG	DA	4255	1/1	0.93	0.30	54,54,54,54	0
59	MG	AA	3887	1/1	0.93	0.17	70,70,70,70	0
59	MG	DA	4260	1/1	0.93	0.18	56,56,56,56	0
59	MG	DA	5073	1/1	0.93	0.47	127,127,127,127	0
59	MG	AA	4045	1/1	0.93	0.10	57,57,57,57	0
59	MG	DA	3812	1/1	0.93	0.10	73,73,73,73	0
59	MG	AA	4135	1/1	0.93	0.14	64,64,64,64	0
59	MG	AA	3236	1/1	0.93	0.05	20,20,20,20	0
59	MG	CA	2249	1/1	0.93	0.09	68,68,68,68	0
59	MG	DA	4676	1/1	0.93	0.46	82,82,82,82	0
59	MG	DB	208	1/1	0.93	0.10	46,46,46,46	0
59	MG	DA	4677	1/1	0.93	0.18	61,61,61,61	0
59	MG	DA	4678	1/1	0.93	0.13	68,68,68,68	0
59	MG	C1	105	1/1	0.93	0.43	89,89,89,89	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	4047	1/1	0.93	0.10	59,59,59,59	0
59	MG	DA	3008	1/1	0.93	0.26	10,10,10,10	0
59	MG	BA	2223	1/1	0.93	0.30	71,71,71,71	0
59	MG	AA	3967	1/1	0.93	0.17	63,63,63,63	0
59	MG	CA	1814	1/1	0.93	0.07	42,42,42,42	0
59	MG	DA	4274	1/1	0.93	0.17	41,41,41,41	0
59	MG	DA	4689	1/1	0.93	0.12	67,67,67,67	0
59	MG	CA	2038	1/1	0.93	0.09	74,74,74,74	0
59	MG	AA	3755	1/1	0.93	0.08	63,63,63,63	0
59	MG	DA	3046	1/1	0.93	0.30	12,12,12,12	0
59	MG	DA	3457	1/1	0.93	0.28	76,76,76,76	0
59	MG	AO	207	1/1	0.93	0.33	102,102,102,102	0
59	MG	BC	108	1/1	0.93	0.13	81,81,81,81	0
59	MG	BC	110	1/1	0.93	0.14	56,56,56,56	0
59	MG	BA	1946	1/1	0.93	0.15	70,70,70,70	0
59	MG	DA	3078	1/1	0.93	0.26	17,17,17,17	0
59	MG	BA	1664	1/1	0.93	0.32	58,58,58,58	0
59	MG	DA	3084	1/1	0.93	0.29	10,10,10,10	0
59	MG	DA	4706	1/1	0.93	0.35	89,89,89,89	0
59	MG	DA	4707	1/1	0.93	0.31	86,86,86,86	0
59	MG	BA	1948	1/1	0.93	0.34	75,75,75,75	0
59	MG	AP	201	1/1	0.93	0.16	95,95,95,95	0
59	MG	BA	2231	1/1	0.93	0.30	89,89,89,89	0
59	MG	DA	3098	1/1	0.93	0.12	34,34,34,34	0
59	MG	DA	4299	1/1	0.93	0.11	72,72,72,72	0
59	MG	DA	3100	1/1	0.93	0.19	36,36,36,36	0
59	MG	DA	3476	1/1	0.93	0.10	27,27,27,27	0
59	MG	DA	3479	1/1	0.93	0.29	74,74,74,74	0
59	MG	AA	3891	1/1	0.93	0.30	105,105,105,105	0
59	MG	DA	4305	1/1	0.93	0.19	46,46,46,46	0
59	MG	DA	3853	1/1	0.93	0.24	71,71,71,71	0
59	MG	DB	256	1/1	0.93	0.15	65,65,65,65	0
59	MG	AA	3164	1/1	0.93	0.27	79,79,79,79	0
59	MG	CA	2052	1/1	0.93	0.19	54,54,54,54	0
59	MG	AA	3972	1/1	0.93	0.65	60,60,60,60	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	DB	264	1/1	0.93	0.13	44,44,44,44	0
59	MG	DB	265	1/1	0.93	0.21	81,81,81,81	0
59	MG	DA	3117	1/1	0.93	0.17	58,58,58,58	0
59	MG	CA	1601	1/1	0.93	0.08	41,41,41,41	0
59	MG	DA	3489	1/1	0.93	0.11	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1602	1/1	0.93	0.16	89,89,89,89	0
59	MG	DA	4320	1/1	0.93	0.17	50,50,50,50	0
59	MG	DA	3867	1/1	0.93	0.25	100,100,100,100	0
59	MG	DA	4322	1/1	0.93	0.33	65,65,65,65	0
59	MG	BA	2236	1/1	0.93	0.26	82,82,82,82	0
59	MG	CA	2275	1/1	0.93	0.23	42,42,42,42	0
59	MG	BA	1810	1/1	0.93	0.11	93,93,93,93	0
59	MG	CA	1608	1/1	0.93	0.31	48,48,48,48	0
59	MG	BA	1811	1/1	0.93	0.04	65,65,65,65	0
59	MG	DA	3128	1/1	0.93	0.17	31,31,31,31	0
59	MG	DA	3878	1/1	0.93	0.26	60,60,60,60	0
59	MG	AA	3295	1/1	0.93	0.34	62,62,62,62	0
59	MG	DA	4335	1/1	0.93	0.20	50,50,50,50	0
59	MG	DD	309	1/1	0.93	0.26	57,57,57,57	0
59	MG	CA	2281	1/1	0.93	0.12	100,100,100,100	0
59	MG	AA	3269	1/1	0.93	0.26	61,61,61,61	0
59	MG	CA	2283	1/1	0.93	0.11	68,68,68,68	0
59	MG	AA	3762	1/1	0.93	0.18	63,63,63,63	0
59	MG	DA	3510	1/1	0.93	0.43	56,56,56,56	0
59	MG	DA	4762	1/1	0.93	0.23	77,77,77,77	0
59	MG	DA	4763	1/1	0.93	0.45	51,51,51,51	0
59	MG	CA	2066	1/1	0.93	0.32	77,77,77,77	0
59	MG	AA	3977	1/1	0.93	0.32	56,56,56,56	0
59	MG	CA	2288	1/1	0.93	0.24	74,74,74,74	0
59	MG	AA	3978	1/1	0.93	0.48	70,70,70,70	0
59	MG	CA	1623	1/1	0.93	0.31	49,49,49,49	0
59	MG	CA	2072	1/1	0.93	0.30	48,48,48,48	0
59	MG	BA	2108	1/1	0.93	0.22	154,154,154,154	0
59	MG	DA	4774	1/1	0.93	0.16	70,70,70,70	0
59	MG	AA	3700	1/1	0.93	0.20	58,58,58,58	0
59	MG	CA	1626	1/1	0.93	0.19	38,38,38,38	0
59	MG	DF	310	1/1	0.93	0.12	49,49,49,49	0
59	MG	AA	4062	1/1	0.93	0.14	81,81,81,81	0
59	MG	BA	1681	1/1	0.93	0.17	43,43,43,43	0
59	MG	DA	3163	1/1	0.93	0.19	39,39,39,39	0
59	MG	DA	3524	1/1	0.93	0.07	32,32,32,32	0
59	MG	CA	2078	1/1	0.93	0.20	75,75,75,75	0
59	MG	DF	316	1/1	0.93	0.21	84,84,84,84	0
59	MG	DA	3909	1/1	0.93	0.25	69,69,69,69	0
59	MG	CA	2301	1/1	0.93	0.14	55,55,55,55	0
59	MG	A1	202	1/1	0.93	0.46	61,61,61,61	0
59	MG	DF	321	1/1	0.93	0.50	55,55,55,55	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4786	1/1	0.93	0.14	81,81,81,81	0
59	MG	BA	1684	1/1	0.93	0.13	36,36,36,36	0
59	MG	DA	4368	1/1	0.93	0.15	51,51,51,51	0
59	MG	DA	4789	1/1	0.93	0.21	46,46,46,46	0
59	MG	DA	3914	1/1	0.93	0.09	36,36,36,36	0
59	MG	DA	4373	1/1	0.93	0.20	62,62,62,62	0
59	MG	BA	1824	1/1	0.93	0.11	107,107,107,107	0
59	MG	BA	1825	1/1	0.93	0.10	121,121,121,121	0
59	MG	DA	3176	1/1	0.93	0.23	39,39,39,39	0
59	MG	DA	3922	1/1	0.93	0.21	69,69,69,69	0
59	MG	DA	3924	1/1	0.93	0.16	48,48,48,48	0
59	MG	DA	3930	1/1	0.93	0.22	72,72,72,72	0
59	MG	DA	4382	1/1	0.93	0.13	67,67,67,67	0
59	MG	DA	4383	1/1	0.93	0.45	85,85,85,85	0
59	MG	AA	3900	1/1	0.93	0.32	105,105,105,105	0
59	MG	AA	3901	1/1	0.93	0.19	52,52,52,52	0
59	MG	CA	2091	1/1	0.93	0.25	68,68,68,68	0
59	MG	DA	3943	1/1	0.93	0.08	47,47,47,47	0
59	MG	CA	1642	1/1	0.93	0.10	25,25,25,25	0
59	MG	DA	4392	1/1	0.93	0.14	52,52,52,52	0
59	MG	AA	3019	1/1	0.93	0.30	31,31,31,31	0
59	MG	BA	1692	1/1	0.93	0.23	34,34,34,34	0
59	MG	CA	1866	1/1	0.93	0.20	109,109,109,109	0
59	MG	DA	3951	1/1	0.93	0.25	136,136,136,136	0
59	MG	DA	4399	1/1	0.93	0.25	47,47,47,47	0
59	MG	DA	3548	1/1	0.93	0.24	58,58,58,58	0
59	MG	CA	2098	1/1	0.93	0.09	64,64,64,64	0
59	MG	DA	3551	1/1	0.93	0.28	29,29,29,29	0
59	MG	AA	3242	1/1	0.93	0.25	56,56,56,56	0
59	MG	DA	3553	1/1	0.93	0.39	89,89,89,89	0
59	MG	BA	2121	1/1	0.93	0.32	84,84,84,84	0
59	MG	DA	4412	1/1	0.93	0.13	82,82,82,82	0
59	MG	BA	1982	1/1	0.93	0.12	96,96,96,96	0
59	MG	DA	3970	1/1	0.93	0.22	50,50,50,50	0
59	MG	DA	3192	1/1	0.93	0.27	95,95,95,95	0
59	MG	D0	204	1/1	0.93	0.19	27,27,27,27	0
59	MG	AA	3061	1/1	0.93	0.21	35,35,35,35	0
59	MG	CA	1657	1/1	0.93	0.19	35,35,35,35	0
59	MG	DA	3196	1/1	0.93	0.29	43,43,43,43	0
59	MG	DA	3978	1/1	0.93	0.56	82,82,82,82	0
59	MG	AA	3307	1/1	0.93	0.19	50,50,50,50	0
59	MG	DA	3980	1/1	0.93	0.59	65,65,65,65	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3565	1/1	0.93	0.20	55,55,55,55	0
59	MG	AA	3987	1/1	0.93	0.16	54,54,54,54	0
59	MG	DA	4432	1/1	0.93	0.16	58,58,58,58	0
59	MG	DA	3203	1/1	0.93	0.45	59,59,59,59	0
59	MG	DA	4436	1/1	0.93	0.06	76,76,76,76	0
59	MG	DA	4840	1/1	0.93	0.29	111,111,111,111	0
59	MG	DA	3204	1/1	0.93	0.15	50,50,50,50	0
59	MG	DA	4843	1/1	0.93	0.30	72,72,72,72	0
59	MG	D1	207	1/1	0.93	0.25	64,64,64,64	0
59	MG	DA	3569	1/1	0.93	0.20	21,21,21,21	0
59	MG	AA	4072	1/1	0.93	0.13	56,56,56,56	0
59	MG	CA	1888	1/1	0.93	0.41	72,72,72,72	0
59	MG	AT	102	1/1	0.93	0.14	57,57,57,57	0
59	MG	CA	1663	1/1	0.93	0.10	52,52,52,52	0
59	MG	CA	2112	1/1	0.93	0.14	78,78,78,78	0
59	MG	AA	3392	1/1	0.93	0.14	63,63,63,63	0
59	MG	AT	104	1/1	0.93	0.29	89,89,89,89	0
59	MG	CA	1895	1/1	0.93	0.15	58,58,58,58	0
59	MG	DA	4001	1/1	0.93	0.22	121,121,121,121	0
59	MG	BA	1843	1/1	0.93	0.07	63,63,63,63	0
59	MG	BA	1846	1/1	0.93	0.13	63,63,63,63	0
59	MG	BA	1848	1/1	0.93	0.10	56,56,56,56	0
59	MG	AA	3308	1/1	0.93	0.10	38,38,38,38	0
59	MG	AA	3349	1/1	0.93	0.11	42,42,42,42	0
59	MG	DA	3591	1/1	0.93	0.15	16,16,16,16	0
59	MG	DA	4866	1/1	0.93	0.23	53,53,53,53	0
59	MG	DA	4868	1/1	0.93	0.13	70,70,70,70	0
59	MG	AA	3273	1/1	0.93	0.15	30,30,30,30	0
59	MG	DA	4469	1/1	0.93	0.43	52,52,52,52	0
59	MG	AA	3715	1/1	0.93	0.08	47,47,47,47	0
59	MG	DT	107	1/1	0.93	0.21	73,73,73,73	0
59	MG	AA	3716	1/1	0.93	0.12	74,74,74,74	0
59	MG	AA	3653	1/1	0.93	0.14	58,58,58,58	0
59	MG	DA	4476	1/1	0.93	0.11	64,64,64,64	0
59	MG	CG	311	1/1	0.93	0.20	150,150,150,150	0
59	MG	BG	303	1/1	0.93	0.10	59,59,59,59	0
59	MG	AA	3351	1/1	0.93	0.10	62,62,62,62	0
59	MG	AA	3782	1/1	0.93	0.43	101,101,101,101	0
59	MG	BA	1719	1/1	0.93	0.18	43,43,43,43	0
59	MG	CA	1691	1/1	0.93	0.16	33,33,33,33	0
59	MG	BA	1860	1/1	0.93	0.07	60,60,60,60	0
59	MG	AA	3845	1/1	0.93	0.11	54,54,54,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	CK	201	1/1	0.93	0.33	102,102,102,102	0
59	MG	BA	2145	1/1	0.93	0.20	96,96,96,96	0
59	MG	CA	1695	1/1	0.93	0.23	50,50,50,50	0
59	MG	AA	3192	1/1	0.93	0.11	39,39,39,39	0
59	MG	CA	1922	1/1	0.93	0.09	84,84,84,84	0
59	MG	CK	206	1/1	0.93	0.21	62,62,62,62	0
59	MG	AA	3721	1/1	0.93	0.69	82,82,82,82	0
59	MG	AA	3849	1/1	0.93	0.39	59,59,59,59	0
59	MG	D3	104	1/1	0.93	0.20	32,32,32,32	0
59	MG	DA	3264	1/1	0.93	0.26	28,28,28,28	0
59	MG	AA	3787	1/1	0.93	0.12	70,70,70,70	0
59	MG	DA	3625	1/1	0.93	0.34	19,19,19,19	0
59	MG	DA	4499	1/1	0.93	0.21	51,51,51,51	0
59	MG	AA	3246	1/1	0.93	0.20	45,45,45,45	0
59	MG	BA	1728	1/1	0.93	0.14	47,47,47,47	0
59	MG	BA	2015	1/1	0.93	0.16	71,71,71,71	0
59	MG	DA	3272	1/1	0.93	0.25	29,29,29,29	0
59	MG	CA	1705	1/1	0.93	0.30	54,54,54,54	0
59	MG	AA	3854	1/1	0.93	0.25	71,71,71,71	0
59	MG	BA	1730	1/1	0.93	0.12	37,37,37,37	0
59	MG	A5	102	1/1	0.93	0.27	28,28,28,28	0
59	MG	DA	3636	1/1	0.93	0.10	46,46,46,46	0
59	MG	DA	4070	1/1	0.93	0.22	45,45,45,45	0
59	MG	DA	4073	1/1	0.93	0.33	106,106,106,106	0
59	MG	CA	2153	1/1	0.93	0.12	76,76,76,76	0
59	MG	AA	4091	1/1	0.93	0.13	107,107,107,107	0
59	MG	BA	1875	1/1	0.93	0.08	125,125,125,125	0
59	MG	BA	1736	1/1	0.93	0.14	53,53,53,53	0
59	MG	DA	4919	1/1	0.93	0.31	58,58,58,58	0
59	MG	AA	3142	1/1	0.93	0.09	12,12,12,12	0
59	MG	DA	4921	1/1	0.93	0.27	67,67,67,67	0
59	MG	DA	4519	1/1	0.93	0.13	118,118,118,118	0
59	MG	AA	3157	1/1	0.93	0.31	73,73,73,73	0
59	MG	DA	3293	1/1	0.93	0.12	35,35,35,35	0
59	MG	AA	3123	1/1	0.93	0.20	47,47,47,47	0
59	MG	BA	2165	1/1	0.93	0.10	61,61,61,61	0
59	MG	BA	1887	1/1	0.93	0.17	56,56,56,56	0
59	MG	DA	4093	1/1	0.93	0.25	85,85,85,85	0
59	MG	BH	203	1/1	0.94	0.13	89,89,89,89	0
59	MG	DA	4116	1/1	0.94	0.36	78,78,78,78	0
59	MG	DA	3349	1/1	0.94	0.31	56,56,56,56	0
59	MG	AA	3534	1/1	0.94	0.18	32,32,32,32	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3681	1/1	0.94	0.08	73,73,73,73	0
59	MG	DA	4941	1/1	0.94	0.52	88,88,88,88	0
59	MG	DA	4120	1/1	0.94	0.11	48,48,48,48	0
59	MG	CC	107	1/1	0.94	0.38	56,56,56,56	0
59	MG	AA	4157	1/1	0.94	0.10	76,76,76,76	0
59	MG	BA	1918	1/1	0.94	0.07	74,74,74,74	0
59	MG	BA	1790	1/1	0.94	0.09	56,56,56,56	0
59	MG	AA	4158	1/1	0.94	0.14	93,93,93,93	0
59	MG	DA	4126	1/1	0.94	0.25	57,57,57,57	0
59	MG	BA	1670	1/1	0.94	0.11	50,50,50,50	0
59	MG	AA	3832	1/1	0.94	0.14	63,63,63,63	0
59	MG	AA	3301	1/1	0.94	0.17	50,50,50,50	0
59	MG	CA	1669	1/1	0.94	0.21	40,40,40,40	0
59	MG	AA	3834	1/1	0.94	0.19	79,79,79,79	0
59	MG	CA	1674	1/1	0.94	0.37	60,60,60,60	0
59	MG	CC	119	1/1	0.94	0.16	46,46,46,46	0
59	MG	DA	4137	1/1	0.94	0.21	39,39,39,39	0
59	MG	AA	3302	1/1	0.94	0.13	32,32,32,32	0
59	MG	CC	122	1/1	0.94	0.23	69,69,69,69	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	CA	1862	1/1	0.94	0.10	122,122,122,122	0
59	MG	DA	4970	1/1	0.94	0.35	87,87,87,87	0
59	MG	CA	2261	1/1	0.94	0.13	66,66,66,66	0
59	MG	AA	3256	1/1	0.94	0.21	62,62,62,62	0
59	MG	DA	4153	1/1	0.94	0.23	48,48,48,48	0
59	MG	AA	3702	1/1	0.94	0.17	62,62,62,62	0
59	MG	AA	3840	1/1	0.94	0.12	77,77,77,77	0
59	MG	BP	201	1/1	0.94	0.12	61,61,61,61	0
59	MG	CA	1871	1/1	0.94	0.14	98,98,98,98	0
59	MG	BA	2177	1/1	0.94	0.25	67,67,67,67	0
59	MG	AA	3166	1/1	0.94	0.11	65,65,65,65	0
59	MG	AA	3842	1/1	0.94	0.13	67,67,67,67	0
59	MG	AA	3704	1/1	0.94	0.13	59,59,59,59	0
59	MG	DA	4170	1/1	0.94	0.32	46,46,46,46	0
59	MG	DA	4171	1/1	0.94	0.14	45,45,45,45	0
59	MG	DA	4988	1/1	0.94	0.13	64,64,64,64	0
59	MG	DA	3395	1/1	0.94	0.37	42,42,42,42	0
59	MG	DA	3018	1/1	0.94	0.24	20,20,20,20	0
59	MG	DA	4175	1/1	0.94	0.29	59,59,59,59	0
59	MG	DA	4585	1/1	0.94	0.17	76,76,76,76	0
59	MG	DA	4586	1/1	0.94	0.24	78,78,78,78	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3355	1/1	0.94	0.34	48,48,48,48	0
59	MG	DA	3400	1/1	0.94	0.24	48,48,48,48	0
59	MG	DA	4178	1/1	0.94	0.40	61,61,61,61	0
59	MG	BA	1685	1/1	0.94	0.13	45,45,45,45	0
59	MG	DA	4181	1/1	0.94	0.20	81,81,81,81	0
59	MG	DA	4999	1/1	0.94	0.24	74,74,74,74	0
59	MG	CA	1884	1/1	0.94	0.14	64,64,64,64	0
59	MG	AA	3486	1/1	0.94	0.19	60,60,60,60	0
59	MG	AA	3847	1/1	0.94	0.17	84,84,84,84	0
59	MG	DA	3048	1/1	0.94	0.14	15,15,15,15	0
59	MG	DA	3756	1/1	0.94	0.29	126,126,126,126	0
59	MG	DA	3049	1/1	0.94	0.20	25,25,25,25	0
59	MG	BA	2185	1/1	0.94	0.41	81,81,81,81	0
59	MG	DA	3759	1/1	0.94	0.13	84,84,84,84	0
59	MG	DA	3054	1/1	0.94	0.15	11,11,11,11	0
59	MG	DA	4602	1/1	0.94	0.34	71,71,71,71	0
59	MG	DA	3055	1/1	0.94	0.41	21,21,21,21	0
59	MG	DA	4195	1/1	0.94	0.39	66,66,66,66	0
59	MG	DA	4197	1/1	0.94	0.19	51,51,51,51	0
59	MG	DA	3762	1/1	0.94	0.18	89,89,89,89	0
59	MG	BS	107	1/1	0.94	0.11	90,90,90,90	0
59	MG	AA	3708	1/1	0.94	0.15	49,49,49,49	0
59	MG	DA	4206	1/1	0.94	0.16	45,45,45,45	0
59	MG	DA	3415	1/1	0.94	0.46	49,49,49,49	0
59	MG	AA	3930	1/1	0.94	0.66	46,46,46,46	0
59	MG	BA	1941	1/1	0.94	0.11	58,58,58,58	0
59	MG	DA	3081	1/1	0.94	0.34	24,24,24,24	0
59	MG	DA	5024	1/1	0.94	0.15	43,43,43,43	0
59	MG	DA	3772	1/1	0.94	0.16	65,65,65,65	0
59	MG	DA	4618	1/1	0.94	0.17	61,61,61,61	0
59	MG	DA	4619	1/1	0.94	0.17	49,49,49,49	0
59	MG	CA	2082	1/1	0.94	0.09	63,63,63,63	0
59	MG	BU	1601	1/1	0.94	0.09	56,56,56,56	0
59	MG	DA	3777	1/1	0.94	0.29	107,107,107,107	0
59	MG	DA	3088	1/1	0.94	0.27	12,12,12,12	0
59	MG	DA	3090	1/1	0.94	0.15	13,13,13,13	0
59	MG	DA	5034	1/1	0.94	0.34	76,76,76,76	0
59	MG	AA	3586	1/1	0.94	0.04	41,41,41,41	0
59	MG	AA	3443	1/1	0.94	0.21	77,77,77,77	0
59	MG	DA	3791	1/1	0.94	0.26	109,109,109,109	0
59	MG	DA	3429	1/1	0.94	0.30	30,30,30,30	0
59	MG	DA	3430	1/1	0.94	0.19	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4633	1/1	0.94	0.25	66,66,66,66	0
59	MG	AA	3306	1/1	0.94	0.29	49,49,49,49	0
59	MG	AA	4092	1/1	0.94	0.16	90,90,90,90	0
59	MG	CA	1706	1/1	0.94	0.19	41,41,41,41	0
59	MG	DA	4235	1/1	0.94	0.13	44,44,44,44	0
59	MG	CA	1903	1/1	0.94	0.14	56,56,56,56	0
59	MG	DA	4639	1/1	0.94	0.12	75,75,75,75	0
59	MG	DA	3802	1/1	0.94	0.11	88,88,88,88	0
59	MG	DA	4238	1/1	0.94	0.22	52,52,52,52	0
59	MG	DA	3803	1/1	0.94	0.14	54,54,54,54	0
59	MG	DA	3103	1/1	0.94	0.38	49,49,49,49	0
59	MG	DA	3104	1/1	0.94	0.10	42,42,42,42	0
59	MG	AA	3495	1/1	0.94	0.27	56,56,56,56	0
59	MG	AA	3168	1/1	0.94	0.26	48,48,48,48	0
59	MG	CA	2294	1/1	0.94	0.14	80,80,80,80	0
59	MG	AA	3785	1/1	0.94	0.27	89,89,89,89	0
59	MG	DA	3115	1/1	0.94	0.23	34,34,34,34	0
59	MG	CA	2100	1/1	0.94	0.17	40,40,40,40	0
59	MG	DA	4654	1/1	0.94	0.17	69,69,69,69	0
59	MG	DA	3818	1/1	0.94	0.11	71,71,71,71	0
59	MG	AA	3652	1/1	0.94	0.09	44,44,44,44	0
59	MG	BA	1705	1/1	0.94	0.41	52,52,52,52	0
59	MG	BA	1952	1/1	0.94	0.32	70,70,70,70	0
59	MG	DA	4659	1/1	0.94	0.18	68,68,68,68	0
59	MG	AA	3016	1/1	0.94	0.14	9,9,9,9	0
59	MG	DA	4259	1/1	0.94	0.18	54,54,54,54	0
59	MG	DA	3459	1/1	0.94	0.08	63,63,63,63	0
59	MG	AA	3860	1/1	0.94	0.09	83,83,83,83	0
59	MG	BD	104	1/1	0.94	0.25	51,51,51,51	0
59	MG	CA	1720	1/1	0.94	0.38	80,80,80,80	0
59	MG	BA	2204	1/1	0.94	0.19	70,70,70,70	0
59	MG	DA	4671	1/1	0.94	0.22	72,72,72,72	0
59	MG	CA	1723	1/1	0.94	0.19	61,61,61,61	0
59	MG	AA	3861	1/1	0.94	0.30	99,99,99,99	0
59	MG	DA	3469	1/1	0.94	0.28	63,63,63,63	0
59	MG	DA	3132	1/1	0.94	0.37	34,34,34,34	0
59	MG	AA	3654	1/1	0.94	0.18	59,59,59,59	0
59	MG	BA	1711	1/1	0.94	0.22	68,68,68,68	0
59	MG	DA	3837	1/1	0.94	0.28	61,61,61,61	0
59	MG	DA	3138	1/1	0.94	0.21	44,44,44,44	0
59	MG	DA	3139	1/1	0.94	0.28	45,45,45,45	0
59	MG	AA	3184	1/1	0.94	0.24	49,49,49,49	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1962	1/1	0.94	0.13	73,73,73,73	0
59	MG	DA	4278	1/1	0.94	0.34	62,62,62,62	0
59	MG	AA	3656	1/1	0.94	0.17	37,37,37,37	0
59	MG	A6	102	1/1	0.94	0.07	60,60,60,60	0
59	MG	DB	220	1/1	0.94	0.10	79,79,79,79	0
59	MG	CA	2315	1/1	0.94	0.25	94,94,94,94	0
59	MG	DA	3848	1/1	0.94	0.45	35,35,35,35	0
59	MG	DA	3849	1/1	0.94	0.12	63,63,63,63	0
59	MG	DA	3150	1/1	0.94	0.30	39,39,39,39	0
59	MG	DA	4289	1/1	0.94	0.31	53,53,53,53	0
59	MG	DA	3151	1/1	0.94	0.25	49,49,49,49	0
59	MG	CA	2119	1/1	0.94	0.25	76,76,76,76	0
59	MG	BA	1717	1/1	0.94	0.17	55,55,55,55	0
59	MG	DA	3855	1/1	0.94	0.11	85,85,85,85	0
59	MG	DA	4703	1/1	0.94	0.30	49,49,49,49	0
59	MG	CA	1930	1/1	0.94	0.12	42,42,42,42	0
59	MG	CA	1931	1/1	0.94	0.23	64,64,64,64	0
59	MG	CA	1932	1/1	0.94	0.23	51,51,51,51	0
59	MG	DA	3491	1/1	0.94	0.13	78,78,78,78	0
59	MG	DA	4710	1/1	0.94	0.22	102,102,102,102	0
59	MG	DB	239	1/1	0.94	0.44	81,81,81,81	0
59	MG	DA	4712	1/1	0.94	0.45	43,43,43,43	0
59	MG	DB	241	1/1	0.94	0.17	66,66,66,66	0
59	MG	DB	242	1/1	0.94	0.31	61,61,61,61	0
59	MG	DA	4301	1/1	0.94	0.16	37,37,37,37	0
59	MG	AA	3311	1/1	0.94	0.30	49,49,49,49	0
59	MG	DA	3861	1/1	0.94	0.19	77,77,77,77	0
59	MG	CA	2323	1/1	0.94	0.31	88,88,88,88	0
59	MG	DB	250	1/1	0.94	0.32	74,74,74,74	0
59	MG	AA	3451	1/1	0.94	0.11	89,89,89,89	0
59	MG	DA	3164	1/1	0.94	0.27	53,53,53,53	0
59	MG	AA	3598	1/1	0.94	0.18	79,79,79,79	0
59	MG	CA	1740	1/1	0.94	0.27	48,48,48,48	0
59	MG	BA	1845	1/1	0.94	0.11	92,92,92,92	0
59	MG	AA	3602	1/1	0.94	0.08	102,102,102,102	0
59	MG	AA	3214	1/1	0.94	0.12	56,56,56,56	0
59	MG	AA	3727	1/1	0.94	0.22	54,54,54,54	0
59	MG	BA	2098	1/1	0.94	0.29	73,73,73,73	0
59	MG	DA	3178	1/1	0.94	0.27	49,49,49,49	0
59	MG	DA	4318	1/1	0.94	0.14	50,50,50,50	0
59	MG	CA	1947	1/1	0.94	0.12	82,82,82,82	0
59	MG	BA	1850	1/1	0.94	0.13	90,90,90,90	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	4736	1/1	0.94	0.17	77,77,77,77	0
59	MG	AA	3339	1/1	0.94	0.13	50,50,50,50	0
59	MG	CA	1749	1/1	0.94	0.13	68,68,68,68	0
59	MG	DA	3884	1/1	0.94	0.27	60,60,60,60	0
59	MG	DA	3515	1/1	0.94	0.11	28,28,28,28	0
59	MG	BA	2103	1/1	0.94	0.14	80,80,80,80	0
59	MG	CA	1952	1/1	0.94	0.14	94,94,94,94	0
59	MG	AA	3424	1/1	0.94	0.13	54,54,54,54	0
59	MG	CA	2143	1/1	0.94	0.20	57,57,57,57	0
59	MG	CA	2144	1/1	0.94	0.20	61,61,61,61	0
59	MG	DA	4749	1/1	0.94	0.22	78,78,78,78	0
59	MG	AA	3666	1/1	0.94	0.20	52,52,52,52	0
59	MG	DD	303	1/1	0.94	0.13	16,16,16,16	0
59	MG	DA	4334	1/1	0.94	0.46	70,70,70,70	0
59	MG	AA	3457	1/1	0.94	0.11	57,57,57,57	0
59	MG	AA	4114	1/1	0.94	0.16	92,92,92,92	0
59	MG	AD	306	1/1	0.94	0.12	44,44,44,44	0
59	MG	DA	4755	1/1	0.94	0.25	80,80,80,80	0
59	MG	DA	3194	1/1	0.94	0.21	57,57,57,57	0
59	MG	BA	1733	1/1	0.94	0.07	46,46,46,46	0
59	MG	DE	301	1/1	0.94	0.18	19,19,19,19	0
59	MG	DA	3527	1/1	0.94	0.12	46,46,46,46	0
59	MG	AA	3735	1/1	0.94	0.07	50,50,50,50	0
59	MG	DA	3198	1/1	0.94	0.17	21,21,21,21	0
59	MG	DA	4344	1/1	0.94	0.35	63,63,63,63	0
59	MG	DA	3199	1/1	0.94	0.31	29,29,29,29	0
59	MG	BA	1614	1/1	0.94	0.33	73,73,73,73	0
59	MG	AA	4038	1/1	0.94	0.14	77,77,77,77	0
59	MG	AA	3607	1/1	0.94	0.09	94,94,94,94	0
59	MG	BA	1989	1/1	0.94	0.04	75,75,75,75	0
59	MG	DF	301	1/1	0.94	0.17	28,28,28,28	0
59	MG	DA	4353	1/1	0.94	0.48	45,45,45,45	0
59	MG	AA	3400	1/1	0.94	0.21	58,58,58,58	0
59	MG	CA	1768	1/1	0.94	0.14	48,48,48,48	0
59	MG	DA	4356	1/1	0.94	0.44	76,76,76,76	0
59	MG	AA	3515	1/1	0.94	0.15	20,20,20,20	0
59	MG	AA	3516	1/1	0.94	0.14	35,35,35,35	0
59	MG	BA	2240	1/1	0.94	0.07	86,86,86,86	0
59	MG	AA	4122	1/1	0.94	0.08	83,83,83,83	0
59	MG	DA	3926	1/1	0.94	0.35	49,49,49,49	0
59	MG	CA	2161	1/1	0.94	0.19	96,96,96,96	0
59	MG	DA	3550	1/1	0.94	0.23	96,96,96,96	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3932	1/1	0.94	0.20	53,53,53,53	0
59	MG	DF	317	1/1	0.94	0.09	64,64,64,64	0
59	MG	CA	1973	1/1	0.94	0.27	65,65,65,65	0
59	MG	DA	3939	1/1	0.94	0.12	47,47,47,47	0
59	MG	DA	4785	1/1	0.94	0.13	75,75,75,75	0
59	MG	BA	1625	1/1	0.94	0.28	74,74,74,74	0
59	MG	DF	322	1/1	0.94	0.81	40,40,40,40	0
59	MG	DA	4371	1/1	0.94	0.27	57,57,57,57	0
59	MG	DA	3942	1/1	0.94	0.17	64,64,64,64	0
59	MG	DA	3220	1/1	0.94	0.16	37,37,37,37	0
59	MG	BA	1868	1/1	0.94	0.07	65,65,65,65	0
59	MG	BA	1997	1/1	0.94	0.40	87,87,87,87	0
59	MG	AA	3279	1/1	0.94	0.17	45,45,45,45	0
59	MG	AA	3099	1/1	0.94	0.11	33,33,33,33	0
59	MG	DA	3227	1/1	0.94	0.44	52,52,52,52	0
59	MG	DH	204	1/1	0.94	0.38	87,87,87,87	0
59	MG	DA	3953	1/1	0.94	0.16	84,84,84,84	0
59	MG	AA	3615	1/1	0.94	0.08	47,47,47,47	0
59	MG	CP	203	1/1	0.94	0.23	77,77,77,77	0
59	MG	CQ	103	1/1	0.94	0.15	51,51,51,51	0
59	MG	BA	1630	1/1	0.94	0.21	78,78,78,78	0
59	MG	DY	203	1/1	0.94	0.18	75,75,75,75	0
59	MG	AA	4127	1/1	0.94	0.20	52,52,52,52	0
59	MG	DA	3234	1/1	0.94	0.24	17,17,17,17	0
59	MG	CR	102	1/1	0.94	0.16	43,43,43,43	0
59	MG	DA	4807	1/1	0.94	0.29	68,68,68,68	0
59	MG	CA	1786	1/1	0.94	0.22	93,93,93,93	0
59	MG	DA	3571	1/1	0.94	0.29	93,93,93,93	0
59	MG	CS	101	1/1	0.94	0.09	61,61,61,61	0
59	MG	CS	102	1/1	0.94	0.15	65,65,65,65	0
59	MG	DA	3250	1/1	0.94	0.19	13,13,13,13	0
59	MG	DO	205	1/1	0.94	0.30	52,52,52,52	0
59	MG	AA	3811	1/1	0.94	0.11	58,58,58,58	0
59	MG	CA	2176	1/1	0.94	0.06	62,62,62,62	0
59	MG	DO	208	1/1	0.94	0.23	59,59,59,59	0
59	MG	DO	210	1/1	0.94	0.34	53,53,53,53	0
59	MG	AA	3032	1/1	0.94	0.20	28,28,28,28	0
59	MG	AA	3745	1/1	0.94	0.18	57,57,57,57	0
59	MG	DA	3982	1/1	0.94	0.38	106,106,106,106	0
59	MG	BA	1882	1/1	0.94	0.29	42,42,42,42	0
59	MG	DO	217	1/1	0.94	0.35	52,52,52,52	0
59	MG	AA	3619	1/1	0.94	0.08	64,64,64,64	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1989	1/1	0.94	0.22	60,60,60,60	0
59	MG	BA	2008	1/1	0.94	0.07	50,50,50,50	0
59	MG	DA	4415	1/1	0.94	0.14	74,74,74,74	0
59	MG	CA	1991	1/1	0.94	0.12	76,76,76,76	0
59	MG	D0	201	1/1	0.94	0.30	37,37,37,37	0
59	MG	DA	3590	1/1	0.94	0.19	46,46,46,46	0
59	MG	DA	3261	1/1	0.94	0.20	34,34,34,34	0
59	MG	CV	104	1/1	0.94	0.17	86,86,86,86	0
59	MG	DA	4423	1/1	0.94	0.29	73,73,73,73	0
59	MG	DA	3593	1/1	0.94	0.28	29,29,29,29	0
59	MG	AA	3429	1/1	0.94	0.14	60,60,60,60	0
59	MG	CA	1993	1/1	0.94	0.08	91,91,91,91	0
59	MG	DA	4428	1/1	0.94	0.17	64,64,64,64	0
59	MG	D0	210	1/1	0.94	0.15	75,75,75,75	0
59	MG	DA	4429	1/1	0.94	0.15	55,55,55,55	0
59	MG	AA	3318	1/1	0.94	0.28	65,65,65,65	0
59	MG	DA	3597	1/1	0.94	0.36	23,23,23,23	0
59	MG	BA	2263	1/1	0.94	0.23	71,71,71,71	0
59	MG	BA	2011	1/1	0.94	0.19	64,64,64,64	0
59	MG	DA	3269	1/1	0.94	0.09	36,36,36,36	0
59	MG	DA	4437	1/1	0.94	0.25	27,27,27,27	0
59	MG	AA	4053	1/1	0.94	0.17	63,63,63,63	0
59	MG	DA	4845	1/1	0.94	0.60	43,43,43,43	0
59	MG	BA	1643	1/1	0.94	0.37	53,53,53,53	0
59	MG	BA	1891	1/1	0.94	0.09	60,60,60,60	0
59	MG	D1	209	1/1	0.94	0.27	65,65,65,65	0
59	MG	DA	4012	1/1	0.94	0.35	63,63,63,63	0
59	MG	DA	4014	1/1	0.94	0.22	50,50,50,50	0
59	MG	CA	2196	1/1	0.94	0.12	62,62,62,62	0
59	MG	DA	4018	1/1	0.94	0.17	75,75,75,75	0
59	MG	DA	3608	1/1	0.94	0.27	60,60,60,60	0
59	MG	AA	3681	1/1	0.94	0.07	65,65,65,65	0
59	MG	CA	1806	1/1	0.94	0.13	98,98,98,98	0
59	MG	AA	3155	1/1	0.94	0.16	46,46,46,46	0
59	MG	DA	3614	1/1	0.94	0.20	53,53,53,53	0
59	MG	AA	3473	1/1	0.94	0.13	63,63,63,63	0
59	MG	CA	1618	1/1	0.94	0.12	24,24,24,24	0
59	MG	DA	4035	1/1	0.94	0.54	52,52,52,52	0
59	MG	DA	3285	1/1	0.94	0.41	56,56,56,56	0
59	MG	DA	3287	1/1	0.94	0.23	78,78,78,78	0
59	MG	DA	3288	1/1	0.94	0.13	52,52,52,52	0
59	MG	CA	2203	1/1	0.94	0.11	84,84,84,84	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	CA	1621	1/1	0.94	0.16	45,45,45,45	0
59	MG	AA	4139	1/1	0.94	0.10	67,67,67,67	0
59	MG	CA	1815	1/1	0.94	0.09	66,66,66,66	0
59	MG	CA	1816	1/1	0.94	0.14	86,86,86,86	0
59	MG	AA	4057	1/1	0.94	0.20	74,74,74,74	0
59	MG	DU	201	1/1	0.94	0.13	36,36,36,36	0
59	MG	CA	2013	1/1	0.94	0.11	46,46,46,46	0
59	MG	DA	3301	1/1	0.94	0.11	29,29,29,29	0
59	MG	BA	1649	1/1	0.94	0.25	63,63,63,63	0
59	MG	CA	1820	1/1	0.94	0.08	67,67,67,67	0
59	MG	DA	3304	1/1	0.94	0.13	43,43,43,43	0
59	MG	AA	3684	1/1	0.94	0.17	58,58,58,58	0
59	MG	DU	212	1/1	0.94	0.73	75,75,75,75	0
59	MG	DA	3635	1/1	0.94	0.19	33,33,33,33	0
59	MG	BA	1901	1/1	0.94	0.08	82,82,82,82	0
59	MG	AA	3035	1/1	0.94	0.07	17,17,17,17	0
59	MG	DA	4489	1/1	0.94	0.20	42,42,42,42	0
59	MG	AA	3754	1/1	0.94	0.13	73,73,73,73	0
59	MG	DA	3312	1/1	0.94	0.34	49,49,49,49	0
59	MG	DA	3313	1/1	0.94	0.26	48,48,48,48	0
59	MG	CB	102	1/1	0.94	0.10	65,65,65,65	0
59	MG	AA	3687	1/1	0.94	0.17	43,43,43,43	0
59	MG	CB	104	1/1	0.94	0.13	51,51,51,51	0
59	MG	DA	4067	1/1	0.94	0.09	39,39,39,39	0
59	MG	D3	101	1/1	0.94	0.31	33,33,33,33	0
59	MG	AA	3627	1/1	0.94	0.28	37,37,37,37	0
59	MG	DA	4071	1/1	0.94	0.25	55,55,55,55	0
59	MG	AA	4148	1/1	0.94	0.28	87,87,87,87	0
59	MG	DA	3321	1/1	0.94	0.29	34,34,34,34	0
59	MG	DA	3648	1/1	0.94	0.17	51,51,51,51	0
59	MG	AA	3075	1/1	0.94	0.14	33,33,33,33	0
59	MG	CA	2026	1/1	0.94	0.07	69,69,69,69	0
59	MG	CA	2225	1/1	0.94	0.13	70,70,70,70	0
59	MG	DZ	105	1/1	0.94	0.40	54,54,54,54	0
59	MG	BA	2155	1/1	0.94	0.15	71,71,71,71	0
59	MG	DA	4507	1/1	0.94	0.16	88,88,88,88	0
59	MG	DW	104	1/1	0.94	0.16	49,49,49,49	0
59	MG	CA	1641	1/1	0.94	0.17	28,28,28,28	0
59	MG	DW	106	1/1	0.94	0.19	61,61,61,61	0
59	MG	DA	4085	1/1	0.94	0.21	60,60,60,60	0
59	MG	DX	101	1/1	0.94	0.15	59,59,59,59	0
59	MG	DA	4086	1/1	0.94	0.23	98,98,98,98	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3328	1/1	0.94	0.12	56,56,56,56	0
59	MG	AA	3372	1/1	0.94	0.15	52,52,52,52	0
59	MG	CA	1645	1/1	0.94	0.21	74,74,74,74	0
59	MG	CA	2032	1/1	0.94	0.24	69,69,69,69	0
59	MG	BA	2034	1/1	0.94	0.21	68,68,68,68	0
59	MG	DA	4096	1/1	0.94	0.38	73,73,73,73	0
59	MG	DA	4097	1/1	0.94	0.19	64,64,64,64	0
59	MG	D6	101	1/1	0.94	0.27	63,63,63,63	0
59	MG	AA	4065	1/1	0.94	0.18	68,68,68,68	0
59	MG	DA	3337	1/1	0.94	0.27	44,44,44,44	0
59	MG	DA	3338	1/1	0.94	0.10	49,49,49,49	0
59	MG	CA	1649	1/1	0.94	0.08	47,47,47,47	0
59	MG	DA	4523	1/1	0.94	0.16	51,51,51,51	0
59	MG	BA	2159	1/1	0.94	0.19	89,89,89,89	0
59	MG	CB	120	1/1	0.94	0.38	100,100,100,100	0
59	MG	AA	3373	1/1	0.94	0.15	48,48,48,48	0
59	MG	AA	3907	1/1	0.94	1.04	57,57,57,57	0
59	MG	DA	4107	1/1	0.94	0.15	49,49,49,49	0
59	MG	D8	109	1/1	0.94	0.15	69,69,69,69	0
59	MG	CA	1653	1/1	0.94	0.27	47,47,47,47	0
59	MG	AA	3761	1/1	0.94	0.13	40,40,40,40	0
59	MG	AA	3343	1/1	0.95	0.29	48,48,48,48	0
59	MG	DA	4628	1/1	0.95	0.17	94,94,94,94	0
59	MG	BA	2147	1/1	0.95	0.06	107,107,107,107	0
59	MG	CA	1605	1/1	0.95	0.19	36,36,36,36	0
59	MG	DA	4632	1/1	0.95	0.15	71,71,71,71	0
59	MG	DA	3916	1/1	0.95	0.34	36,36,36,36	0
59	MG	BA	2271	1/1	0.95	0.30	106,106,106,106	0
59	MG	AA	3774	1/1	0.95	0.18	79,79,79,79	0
59	MG	CA	1957	1/1	0.95	0.31	56,56,56,56	0
59	MG	DA	4286	1/1	0.95	0.24	49,49,49,49	0
59	MG	DA	4287	1/1	0.95	0.20	73,73,73,73	0
59	MG	DA	4288	1/1	0.95	0.22	72,72,72,72	0
59	MG	DA	3921	1/1	0.95	0.21	24,24,24,24	0
59	MG	CA	1781	1/1	0.95	0.16	45,45,45,45	0
59	MG	AA	3551	1/1	0.95	0.35	44,44,44,44	0
59	MG	DA	3601	1/1	0.95	0.12	1,1,1,1	0
59	MG	DA	3927	1/1	0.95	0.14	66,66,66,66	0
59	MG	DA	3928	1/1	0.95	0.07	49,49,49,49	0
59	MG	DA	3929	1/1	0.95	0.07	73,73,73,73	0
59	MG	CA	2131	1/1	0.95	0.20	61,61,61,61	0
59	MG	AA	3899	1/1	0.95	0.20	46,46,46,46	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3329	1/1	0.95	0.26	57,57,57,57	0
59	MG	CA	1614	1/1	0.95	0.21	41,41,41,41	0
59	MG	DA	3934	1/1	0.95	0.08	45,45,45,45	0
59	MG	AA	3375	1/1	0.95	0.32	61,61,61,61	0
59	MG	DA	3073	1/1	0.95	0.21	16,16,16,16	0
59	MG	DA	4306	1/1	0.95	0.23	45,45,45,45	0
59	MG	AA	3310	1/1	0.95	0.19	47,47,47,47	0
59	MG	DA	3334	1/1	0.95	0.30	40,40,40,40	0
59	MG	DA	3335	1/1	0.95	0.15	32,32,32,32	0
59	MG	DA	3946	1/1	0.95	0.13	82,82,82,82	0
59	MG	AA	3131	1/1	0.95	0.15	34,34,34,34	0
59	MG	AA	3838	1/1	0.95	0.10	102,102,102,102	0
59	MG	DA	4664	1/1	0.95	0.14	66,66,66,66	0
59	MG	CA	1620	1/1	0.95	0.16	39,39,39,39	0
59	MG	CA	1967	1/1	0.95	0.21	56,56,56,56	0
59	MG	DA	3952	1/1	0.95	0.12	46,46,46,46	0
59	MG	BA	1687	1/1	0.95	0.06	41,41,41,41	0
59	MG	CA	2141	1/1	0.95	0.17	60,60,60,60	0
59	MG	DA	4673	1/1	0.95	0.45	91,91,91,91	0
59	MG	DA	4674	1/1	0.95	0.30	93,93,93,93	0
59	MG	CA	2319	1/1	0.95	0.28	60,60,60,60	0
59	MG	DA	3093	1/1	0.95	0.20	13,13,13,13	0
59	MG	DA	5045	1/1	0.95	0.24	72,72,72,72	0
59	MG	CA	1969	1/1	0.95	0.14	85,85,85,85	0
59	MG	DA	4323	1/1	0.95	0.21	56,56,56,56	0
59	MG	AA	3780	1/1	0.95	0.28	69,69,69,69	0
59	MG	DA	3961	1/1	0.95	0.15	41,41,41,41	0
59	MG	AA	3072	1/1	0.95	0.24	21,21,21,21	0
59	MG	BA	1921	1/1	0.95	0.09	85,85,85,85	0
59	MG	DA	3969	1/1	0.95	0.12	48,48,48,48	0
59	MG	DA	4684	1/1	0.95	0.11	36,36,36,36	0
59	MG	DA	3350	1/1	0.95	0.14	50,50,50,50	0
59	MG	DA	4687	1/1	0.95	0.17	76,76,76,76	0
59	MG	DA	3351	1/1	0.95	0.22	39,39,39,39	0
59	MG	DA	3099	1/1	0.95	0.28	48,48,48,48	0
59	MG	AA	3906	1/1	0.95	0.30	67,67,67,67	0
59	MG	BA	1691	1/1	0.95	0.04	65,65,65,65	0
59	MG	DA	3977	1/1	0.95	0.09	71,71,71,71	0
59	MG	DA	3357	1/1	0.95	0.15	59,59,59,59	0
59	MG	AA	3086	1/1	0.95	0.23	35,35,35,35	0
59	MG	DA	4339	1/1	0.95	0.27	71,71,71,71	0
59	MG	BA	1693	1/1	0.95	0.31	46,46,46,46	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3783	1/1	0.95	0.22	86,86,86,86	0
59	MG	DA	5068	1/1	0.95	0.16	64,64,64,64	0
59	MG	CA	1801	1/1	0.95	0.12	44,44,44,44	0
59	MG	AA	4125	1/1	0.95	0.10	69,69,69,69	0
59	MG	DA	3112	1/1	0.95	0.31	49,49,49,49	0
59	MG	DA	4704	1/1	0.95	0.26	62,62,62,62	0
59	MG	BA	1697	1/1	0.95	0.43	52,52,52,52	0
59	MG	AA	3909	1/1	0.95	0.42	90,90,90,90	0
59	MG	DA	4348	1/1	0.95	0.33	62,62,62,62	0
59	MG	DA	3988	1/1	0.95	0.37	59,59,59,59	0
59	MG	DA	3116	1/1	0.95	0.23	63,63,63,63	0
59	MG	BA	2048	1/1	0.95	0.28	95,95,95,95	0
59	MG	AD	304	1/1	0.95	0.08	65,65,65,65	0
59	MG	AD	305	1/1	0.95	0.25	53,53,53,53	0
59	MG	AA	3843	1/1	0.95	0.18	81,81,81,81	0
59	MG	AA	3455	1/1	0.95	0.09	22,22,22,22	0
59	MG	AD	309	1/1	0.95	0.35	48,48,48,48	0
59	MG	DA	4358	1/1	0.95	0.15	56,56,56,56	0
59	MG	DA	4722	1/1	0.95	0.15	109,109,109,109	0
59	MG	BA	1818	1/1	0.95	0.32	57,57,57,57	0
59	MG	AA	3511	1/1	0.95	0.15	26,26,26,26	0
59	MG	DA	4361	1/1	0.95	0.37	47,47,47,47	0
59	MG	DA	4003	1/1	0.95	0.38	39,39,39,39	0
59	MG	CA	2163	1/1	0.95	0.19	61,61,61,61	0
59	MG	AA	3030	1/1	0.95	0.19	45,45,45,45	0
59	MG	DA	3386	1/1	0.95	0.40	69,69,69,69	0
59	MG	BA	1601	1/1	0.95	0.20	27,27,27,27	0
59	MG	DA	3388	1/1	0.95	0.12	33,33,33,33	0
59	MG	BA	1708	1/1	0.95	0.25	57,57,57,57	0
59	MG	DA	4010	1/1	0.95	0.12	91,91,91,91	0
59	MG	DA	4011	1/1	0.95	0.17	52,52,52,52	0
59	MG	DA	3134	1/1	0.95	0.43	44,44,44,44	0
59	MG	CH	204	1/1	0.95	0.27	93,93,93,93	0
59	MG	BA	2061	1/1	0.95	0.32	70,70,70,70	0
59	MG	DB	232	1/1	0.95	0.38	54,54,54,54	0
59	MG	DA	3664	1/1	0.95	0.24	60,60,60,60	0
59	MG	CA	2168	1/1	0.95	0.23	108,108,108,108	0
59	MG	BA	1602	1/1	0.95	0.20	20,20,20,20	0
59	MG	DA	4380	1/1	0.95	0.20	61,61,61,61	0
59	MG	DA	3140	1/1	0.95	0.29	26,26,26,26	0
59	MG	DA	3399	1/1	0.95	0.22	52,52,52,52	0
59	MG	DA	4747	1/1	0.95	1.00	71,71,71,71	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3141	1/1	0.95	0.24	42,42,42,42	0
59	MG	CA	1824	1/1	0.95	0.15	102,102,102,102	0
59	MG	DA	4032	1/1	0.95	0.21	86,86,86,86	0
59	MG	DA	4033	1/1	0.95	0.22	103,103,103,103	0
59	MG	AA	3259	1/1	0.95	0.44	57,57,57,57	0
59	MG	DA	4389	1/1	0.95	0.35	60,60,60,60	0
59	MG	DA	3144	1/1	0.95	0.20	36,36,36,36	0
59	MG	DB	249	1/1	0.95	0.24	84,84,84,84	0
59	MG	DA	3146	1/1	0.95	0.22	55,55,55,55	0
59	MG	DA	4393	1/1	0.95	0.18	53,53,53,53	0
59	MG	CA	1826	1/1	0.95	0.05	83,83,83,83	0
59	MG	AA	3062	1/1	0.95	0.09	29,29,29,29	0
59	MG	CA	2174	1/1	0.95	0.14	100,100,100,100	0
59	MG	BA	1944	1/1	0.95	0.37	71,71,71,71	0
59	MG	CA	2003	1/1	0.95	0.24	77,77,77,77	0
59	MG	AA	3617	1/1	0.95	0.06	59,59,59,59	0
59	MG	DB	259	1/1	0.95	0.35	69,69,69,69	0
59	MG	AA	3352	1/1	0.95	0.10	28,28,28,28	0
59	MG	CA	1831	1/1	0.95	0.13	132,132,132,132	0
59	MG	DA	3416	1/1	0.95	0.17	62,62,62,62	0
59	MG	CA	1664	1/1	0.95	0.11	22,22,22,22	0
59	MG	DA	3159	1/1	0.95	0.15	47,47,47,47	0
59	MG	BA	1608	1/1	0.95	0.12	47,47,47,47	0
59	MG	DA	3700	1/1	0.95	0.28	39,39,39,39	0
59	MG	DA	3707	1/1	0.95	0.11	28,28,28,28	0
59	MG	DA	3708	1/1	0.95	0.25	9,9,9,9	0
59	MG	DA	3710	1/1	0.95	0.28	14,14,14,14	0
59	MG	DA	4056	1/1	0.95	0.44	62,62,62,62	0
59	MG	CL	201	1/1	0.95	0.09	54,54,54,54	0
59	MG	DA	3712	1/1	0.95	0.20	25,25,25,25	0
59	MG	BA	1609	1/1	0.95	0.16	36,36,36,36	0
59	MG	CA	1667	1/1	0.95	0.25	50,50,50,50	0
59	MG	DA	4425	1/1	0.95	0.27	109,109,109,109	0
59	MG	CA	1837	1/1	0.95	0.15	79,79,79,79	0
59	MG	DA	4064	1/1	0.95	0.12	56,56,56,56	0
59	MG	CN	201	1/1	0.95	0.10	33,33,33,33	0
59	MG	DD	304	1/1	0.95	0.88	66,66,66,66	0
59	MG	DA	3718	1/1	0.95	0.08	25,25,25,25	0
59	MG	DA	3719	1/1	0.95	0.25	29,29,29,29	0
59	MG	DA	3720	1/1	0.95	0.21	46,46,46,46	0
59	MG	AA	3730	1/1	0.95	0.09	58,58,58,58	0
59	MG	DA	4072	1/1	0.95	0.11	48,48,48,48	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1613	1/1	0.95	0.45	84,84,84,84	0
59	MG	DD	312	1/1	0.95	0.16	37,37,37,37	0
59	MG	AA	3992	1/1	0.95	0.14	75,75,75,75	0
59	MG	DA	4078	1/1	0.95	0.21	65,65,65,65	0
59	MG	DA	3171	1/1	0.95	0.28	36,36,36,36	0
59	MG	DE	305	1/1	0.95	0.10	44,44,44,44	0
59	MG	DA	3433	1/1	0.95	0.23	43,43,43,43	0
59	MG	CA	1673	1/1	0.95	0.20	97,97,97,97	0
59	MG	AA	3319	1/1	0.95	0.14	85,85,85,85	0
59	MG	DA	3438	1/1	0.95	0.18	32,32,32,32	0
59	MG	DA	3175	1/1	0.95	0.20	21,21,21,21	0
59	MG	BA	1954	1/1	0.95	0.19	104,104,104,104	0
59	MG	DA	3177	1/1	0.95	0.24	39,39,39,39	0
59	MG	DA	4087	1/1	0.95	0.18	45,45,45,45	0
59	MG	DE	315	1/1	0.95	0.37	77,77,77,77	0
59	MG	DA	4453	1/1	0.95	0.24	49,49,49,49	0
59	MG	AA	3395	1/1	0.95	0.29	88,88,88,88	0
59	MG	DA	3449	1/1	0.95	0.22	50,50,50,50	0
59	MG	DA	3179	1/1	0.95	0.26	52,52,52,52	0
59	MG	CA	2195	1/1	0.95	0.13	76,76,76,76	0
59	MG	DF	306	1/1	0.95	0.31	46,46,46,46	0
59	MG	DA	4094	1/1	0.95	0.15	41,41,41,41	0
59	MG	BA	2078	1/1	0.95	0.18	79,79,79,79	0
59	MG	AA	3734	1/1	0.95	0.25	49,49,49,49	0
59	MG	DA	4467	1/1	0.95	0.19	50,50,50,50	0
59	MG	CS	103	1/1	0.95	0.10	74,74,74,74	0
59	MG	AA	3468	1/1	0.95	0.09	22,22,22,22	0
59	MG	DA	4470	1/1	0.95	0.16	41,41,41,41	0
59	MG	DA	3752	1/1	0.95	0.11	103,103,103,103	0
59	MG	AA	3469	1/1	0.95	0.22	42,42,42,42	0
59	MG	DA	4101	1/1	0.95	0.24	82,82,82,82	0
59	MG	DA	4475	1/1	0.95	0.17	50,50,50,50	0
59	MG	CA	1681	1/1	0.95	0.18	24,24,24,24	0
59	MG	BV	101	1/1	0.95	0.12	73,73,73,73	0
59	MG	CA	2202	1/1	0.95	0.28	47,47,47,47	0
59	MG	DF	324	1/1	0.95	0.25	76,76,76,76	0
59	MG	DA	3460	1/1	0.95	0.25	46,46,46,46	0
59	MG	BA	1844	1/1	0.95	0.17	118,118,118,118	0
59	MG	AA	3094	1/1	0.95	0.14	21,21,21,21	0
59	MG	AA	4144	1/1	0.95	0.12	100,100,100,100	0
59	MG	BA	1847	1/1	0.95	0.09	74,74,74,74	0
59	MG	DA	3764	1/1	0.95	0.19	98,98,98,98	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1689	1/1	0.95	0.14	58,58,58,58	0
59	MG	DA	3467	1/1	0.95	0.45	75,75,75,75	0
59	MG	AA	3045	1/1	0.95	0.29	51,51,51,51	0
59	MG	AA	3167	1/1	0.95	0.16	61,61,61,61	0
59	MG	DA	3197	1/1	0.95	0.10	19,19,19,19	0
59	MG	AA	3076	1/1	0.95	0.11	35,35,35,35	0
59	MG	DA	3771	1/1	0.95	0.09	92,92,92,92	0
59	MG	AA	3055	1/1	0.95	0.17	33,33,33,33	0
59	MG	AO	201	1/1	0.95	0.16	50,50,50,50	0
59	MG	CD	105	1/1	0.95	0.41	62,62,62,62	0
59	MG	CA	1696	1/1	0.95	0.18	33,33,33,33	0
59	MG	DA	3779	1/1	0.95	0.35	155,155,155,155	0
59	MG	AA	3079	1/1	0.95	0.09	40,40,40,40	0
59	MG	DA	4500	1/1	0.95	0.12	53,53,53,53	0
59	MG	DA	3783	1/1	0.95	0.06	63,63,63,63	0
59	MG	DM	205	1/1	0.95	1.02	51,51,51,51	0
59	MG	DA	3785	1/1	0.95	0.17	88,88,88,88	0
59	MG	AA	3121	1/1	0.95	0.30	85,85,85,85	0
59	MG	AA	3635	1/1	0.95	0.13	54,54,54,54	0
59	MG	DO	202	1/1	0.95	0.22	35,35,35,35	0
59	MG	DO	203	1/1	0.95	0.35	32,32,32,32	0
59	MG	CA	2044	1/1	0.95	0.11	65,65,65,65	0
59	MG	AA	3688	1/1	0.95	0.31	59,59,59,59	0
59	MG	DA	3209	1/1	0.95	0.25	33,33,33,33	0
59	MG	DA	3210	1/1	0.95	0.21	32,32,32,32	0
59	MG	AA	3939	1/1	0.95	0.18	54,54,54,54	0
59	MG	DA	3796	1/1	0.95	0.17	26,26,26,26	0
59	MG	DA	4145	1/1	0.95	0.21	44,44,44,44	0
59	MG	CD	113	1/1	0.95	0.09	75,75,75,75	0
59	MG	BA	1977	1/1	0.95	0.06	85,85,85,85	0
59	MG	DA	3216	1/1	0.95	0.37	54,54,54,54	0
59	MG	DA	4152	1/1	0.95	0.24	54,54,54,54	0
59	MG	DA	3217	1/1	0.95	0.20	28,28,28,28	0
59	MG	AA	3202	1/1	0.95	0.20	31,31,31,31	0
59	MG	AA	3535	1/1	0.95	0.56	58,58,58,58	0
59	MG	DA	3806	1/1	0.95	0.25	55,55,55,55	0
59	MG	DA	3808	1/1	0.95	0.12	77,77,77,77	0
59	MG	BA	1746	1/1	0.95	0.10	40,40,40,40	0
59	MG	CA	1707	1/1	0.95	0.40	54,54,54,54	0
59	MG	CA	2231	1/1	0.95	0.18	95,95,95,95	0
59	MG	CA	1883	1/1	0.95	0.07	43,43,43,43	0
59	MG	BA	2100	1/1	0.95	0.21	69,69,69,69	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	2054	1/1	0.95	0.08	62,62,62,62	0
59	MG	DA	3502	1/1	0.95	0.58	74,74,74,74	0
59	MG	CA	2055	1/1	0.95	0.29	60,60,60,60	0
59	MG	AA	3691	1/1	0.95	0.18	79,79,79,79	0
59	MG	DA	4891	1/1	0.95	0.32	86,86,86,86	0
59	MG	AA	4085	1/1	0.95	0.07	60,60,60,60	0
59	MG	DQ	202	1/1	0.95	0.14	42,42,42,42	0
59	MG	AA	3176	1/1	0.95	0.20	33,33,33,33	0
59	MG	BA	1751	1/1	0.95	0.15	62,62,62,62	0
59	MG	DR	203	1/1	0.95	0.20	84,84,84,84	0
59	MG	DA	3233	1/1	0.95	0.13	26,26,26,26	0
59	MG	AA	3945	1/1	0.95	0.12	108,108,108,108	0
59	MG	AA	3874	1/1	0.95	0.12	90,90,90,90	0
59	MG	AA	4164	1/1	0.95	0.16	80,80,80,80	0
59	MG	AA	3875	1/1	0.95	0.06	67,67,67,67	0
59	MG	BA	1871	1/1	0.95	0.03	74,74,74,74	0
59	MG	CA	1721	1/1	0.95	0.14	39,39,39,39	0
59	MG	AA	3580	1/1	0.95	0.08	50,50,50,50	0
59	MG	CA	1900	1/1	0.95	0.09	74,74,74,74	0
59	MG	BA	1651	1/1	0.95	0.27	72,72,72,72	0
59	MG	D2	201	1/1	0.95	0.18	48,48,48,48	0
59	MG	AA	3150	1/1	0.95	0.13	29,29,29,29	0
59	MG	DA	4546	1/1	0.95	0.27	67,67,67,67	0
59	MG	BA	1760	1/1	0.95	0.23	85,85,85,85	0
59	MG	DA	4548	1/1	0.95	0.12	53,53,53,53	0
59	MG	AA	3040	1/1	0.95	0.21	37,37,37,37	0
59	MG	BA	1763	1/1	0.95	0.25	57,57,57,57	0
59	MG	AA	3585	1/1	0.95	0.15	45,45,45,45	0
59	MG	DA	3841	1/1	0.95	0.13	50,50,50,50	0
59	MG	DA	4556	1/1	0.95	0.16	41,41,41,41	0
59	MG	CA	1908	1/1	0.95	0.26	61,61,61,61	0
59	MG	BA	1879	1/1	0.95	0.43	46,46,46,46	0
59	MG	BA	1881	1/1	0.95	0.24	46,46,46,46	0
59	MG	AA	3031	1/1	0.95	0.06	34,34,34,34	0
59	MG	DA	3532	1/1	0.95	0.33	49,49,49,49	0
59	MG	DA	4563	1/1	0.95	0.31	77,77,77,77	0
59	MG	CB	119	1/1	0.95	0.03	69,69,69,69	0
59	MG	DA	3265	1/1	0.95	0.34	47,47,47,47	0
59	MG	DA	4567	1/1	0.95	0.11	51,51,51,51	0
59	MG	BA	1883	1/1	0.95	0.42	64,64,64,64	0
59	MG	BA	1884	1/1	0.95	0.46	67,67,67,67	0
59	MG	DU	204	1/1	0.95	0.10	62,62,62,62	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3304	1/1	0.95	0.14	36,36,36,36	0
59	MG	DA	3540	1/1	0.95	0.22	74,74,74,74	0
59	MG	CA	1739	1/1	0.95	0.10	43,43,43,43	0
59	MG	DA	4932	1/1	0.95	0.21	69,69,69,69	0
59	MG	AA	3646	1/1	0.95	0.11	62,62,62,62	0
59	MG	AA	3104	1/1	0.95	0.29	54,54,54,54	0
59	MG	DA	4226	1/1	0.95	0.20	45,45,45,45	0
59	MG	AA	3648	1/1	0.95	0.16	43,43,43,43	0
59	MG	AA	3488	1/1	0.95	0.15	68,68,68,68	0
59	MG	DA	4939	1/1	0.95	0.50	57,57,57,57	0
59	MG	AA	3706	1/1	0.95	0.21	44,44,44,44	0
59	MG	DA	4579	1/1	0.95	0.16	81,81,81,81	0
59	MG	AA	4031	1/1	0.95	0.10	84,84,84,84	0
59	MG	DA	4232	1/1	0.95	0.33	68,68,68,68	0
59	MG	DA	3279	1/1	0.95	0.39	45,45,45,45	0
59	MG	DA	3280	1/1	0.95	0.12	32,32,32,32	0
59	MG	AA	3156	1/1	0.95	0.20	55,55,55,55	0
59	MG	DA	3868	1/1	0.95	0.28	72,72,72,72	0
59	MG	DA	3554	1/1	0.95	0.32	51,51,51,51	0
59	MG	DA	4950	1/1	0.95	0.28	125,125,125,125	0
59	MG	DA	3282	1/1	0.95	0.08	12,12,12,12	0
59	MG	DA	4239	1/1	0.95	0.13	62,62,62,62	0
59	MG	D3	105	1/1	0.95	0.32	48,48,48,48	0
59	MG	DA	4953	1/1	0.95	0.12	63,63,63,63	0
59	MG	BA	1666	1/1	0.95	0.12	43,43,43,43	0
59	MG	BC	105	1/1	0.95	0.07	75,75,75,75	0
59	MG	BA	2252	1/1	0.95	0.08	70,70,70,70	0
59	MG	DA	3286	1/1	0.95	0.42	54,54,54,54	0
59	MG	DA	3877	1/1	0.95	0.12	37,37,37,37	0
59	MG	AA	3082	1/1	0.95	0.15	48,48,48,48	0
59	MG	DW	102	1/1	0.95	0.19	37,37,37,37	0
59	MG	AA	4034	1/1	0.95	0.11	100,100,100,100	0
59	MG	BC	109	1/1	0.95	0.09	72,72,72,72	0
59	MG	DA	4249	1/1	0.95	0.29	55,55,55,55	0
59	MG	AA	3493	1/1	0.95	0.07	76,76,76,76	0
59	MG	AA	3711	1/1	0.95	0.26	69,69,69,69	0
59	MG	BA	2016	1/1	0.95	0.10	78,78,78,78	0
59	MG	BC	113	1/1	0.95	0.07	54,54,54,54	0
59	MG	CA	1939	1/1	0.95	0.06	81,81,81,81	0
59	MG	D4	102	1/1	0.95	0.19	86,86,86,86	0
59	MG	DA	4257	1/1	0.95	0.20	59,59,59,59	0
59	MG	BA	2260	1/1	0.95	0.18	77,77,77,77	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	D5	103	1/1	0.95	0.19	32,32,32,32	0
59	MG	DA	4607	1/1	0.95	0.16	64,64,64,64	0
59	MG	BA	1781	1/1	0.95	0.15	69,69,69,69	0
59	MG	BA	1672	1/1	0.95	0.29	39,39,39,39	0
59	MG	AA	3494	1/1	0.95	0.10	69,69,69,69	0
59	MG	CA	1945	1/1	0.95	0.14	78,78,78,78	0
59	MG	DA	3305	1/1	0.95	0.18	21,21,21,21	0
59	MG	DA	3897	1/1	0.95	0.18	27,27,27,27	0
59	MG	AA	4108	1/1	0.95	0.13	136,136,136,136	0
59	MG	DA	3578	1/1	0.95	0.09	62,62,62,62	0
59	MG	AA	3043	1/1	0.95	0.04	42,42,42,42	0
59	MG	DA	3902	1/1	0.95	0.10	64,64,64,64	0
59	MG	DA	3308	1/1	0.95	0.50	75,75,75,75	0
59	MG	CA	1769	1/1	0.95	0.16	42,42,42,42	0
59	MG	AA	3216	1/1	0.95	0.21	40,40,40,40	0
59	MG	DA	3003	1/1	0.95	0.20	11,11,11,11	0
59	MG	BA	1908	1/1	0.95	0.30	79,79,79,79	0
59	MG	DA	3010	1/1	0.95	0.15	10,10,10,10	0
59	MG	BA	2024	1/1	0.95	0.10	111,111,111,111	0
59	MG	AA	3158	1/1	0.96	0.21	55,55,55,55	0
59	MG	BA	1797	1/1	0.96	0.25	63,63,63,63	0
59	MG	AA	3014	1/1	0.96	0.14	20,20,20,20	0
59	MG	DA	4324	1/1	0.96	0.13	49,49,49,49	0
59	MG	CA	2189	1/1	0.96	0.09	77,77,77,77	0
59	MG	BA	1694	1/1	0.96	0.26	47,47,47,47	0
59	MG	AA	3449	1/1	0.96	0.20	82,82,82,82	0
59	MG	DA	3666	1/1	0.96	0.11	53,53,53,53	0
59	MG	DA	5021	1/1	0.96	0.15	112,112,112,112	0
59	MG	DA	3667	1/1	0.96	0.27	74,74,74,74	0
59	MG	DA	3402	1/1	0.96	0.15	24,24,24,24	0
59	MG	DA	3156	1/1	0.96	0.24	27,27,27,27	0
59	MG	DA	3671	1/1	0.96	0.41	40,40,40,40	0
59	MG	CA	2025	1/1	0.96	0.20	95,95,95,95	0
59	MG	DA	4669	1/1	0.96	0.26	71,71,71,71	0
59	MG	CA	1869	1/1	0.96	0.14	69,69,69,69	0
59	MG	CA	1870	1/1	0.96	0.10	58,58,58,58	0
59	MG	DA	3675	1/1	0.96	0.16	44,44,44,44	0
59	MG	DA	3996	1/1	0.96	0.10	63,63,63,63	0
59	MG	AD	308	1/1	0.96	1.02	58,58,58,58	0
59	MG	CA	2029	1/1	0.96	0.22	115,115,115,115	0
59	MG	DA	4000	1/1	0.96	0.11	50,50,50,50	0
59	MG	CA	1872	1/1	0.96	0.08	74,74,74,74	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3173	1/1	0.96	0.12	14,14,14,14	0
59	MG	AA	3380	1/1	0.96	0.09	25,25,25,25	0
59	MG	DA	3413	1/1	0.96	0.32	45,45,45,45	0
59	MG	AA	3594	1/1	0.96	0.11	78,78,78,78	0
59	MG	BA	1914	1/1	0.96	0.10	55,55,55,55	0
59	MG	AA	3911	1/1	0.96	0.19	69,69,69,69	0
59	MG	DA	4350	1/1	0.96	0.21	54,54,54,54	0
59	MG	DA	4686	1/1	0.96	0.38	59,59,59,59	0
59	MG	CA	2036	1/1	0.96	0.05	83,83,83,83	0
59	MG	CA	1881	1/1	0.96	0.30	48,48,48,48	0
59	MG	DA	5048	1/1	0.96	0.18	64,64,64,64	0
59	MG	CA	2205	1/1	0.96	0.33	70,70,70,70	0
59	MG	AD	313	1/1	0.96	0.18	39,39,39,39	0
59	MG	DA	3174	1/1	0.96	0.09	30,30,30,30	0
59	MG	CA	2207	1/1	0.96	0.15	70,70,70,70	0
59	MG	DA	4016	1/1	0.96	0.07	40,40,40,40	0
59	MG	AA	3498	1/1	0.96	0.20	52,52,52,52	0
59	MG	DA	3704	1/1	0.96	0.22	33,33,33,33	0
59	MG	DA	4697	1/1	0.96	0.41	76,76,76,76	0
59	MG	DA	3705	1/1	0.96	0.07	1,1,1,1	0
59	MG	AA	3093	1/1	0.96	0.11	39,39,39,39	0
59	MG	AA	3244	1/1	0.96	0.28	55,55,55,55	0
59	MG	DA	3709	1/1	0.96	0.15	46,46,46,46	0
59	MG	DA	4030	1/1	0.96	0.26	84,84,84,84	0
59	MG	CA	1886	1/1	0.96	0.12	43,43,43,43	0
59	MG	AA	3385	1/1	0.96	0.18	34,34,34,34	0
59	MG	BA	1610	1/1	0.96	0.11	25,25,25,25	0
59	MG	BA	2031	1/1	0.96	0.11	71,71,71,71	0
59	MG	DA	4708	1/1	0.96	0.14	46,46,46,46	0
59	MG	CA	1891	1/1	0.96	0.26	56,56,56,56	0
59	MG	AA	3599	1/1	0.96	0.14	110,110,110,110	0
59	MG	DA	3716	1/1	0.96	0.23	13,13,13,13	0
59	MG	DA	3436	1/1	0.96	0.16	48,48,48,48	0
59	MG	CA	1733	1/1	0.96	0.28	55,55,55,55	0
59	MG	AA	3601	1/1	0.96	0.10	73,73,73,73	0
59	MG	DA	3441	1/1	0.96	0.22	43,43,43,43	0
59	MG	DA	3442	1/1	0.96	0.14	45,45,45,45	0
59	MG	DA	4043	1/1	0.96	0.19	82,82,82,82	0
59	MG	DB	202	1/1	0.96	0.28	48,48,48,48	0
59	MG	DA	4721	1/1	0.96	0.11	75,75,75,75	0
59	MG	DA	3445	1/1	0.96	0.33	59,59,59,59	0
59	MG	DB	205	1/1	0.96	0.20	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1735	1/1	0.96	0.12	42,42,42,42	0
59	MG	DA	3724	1/1	0.96	0.30	45,45,45,45	0
59	MG	DA	4047	1/1	0.96	0.10	44,44,44,44	0
59	MG	AA	3851	1/1	0.96	0.11	60,60,60,60	0
59	MG	AA	3659	1/1	0.96	0.17	67,67,67,67	0
59	MG	CA	2223	1/1	0.96	0.21	67,67,67,67	0
59	MG	CA	1898	1/1	0.96	0.09	59,59,59,59	0
59	MG	DA	4390	1/1	0.96	0.24	53,53,53,53	0
59	MG	BA	1618	1/1	0.96	0.08	34,34,34,34	0
59	MG	DA	3733	1/1	0.96	0.10	40,40,40,40	0
59	MG	CD	114	1/1	0.96	0.28	79,79,79,79	0
59	MG	CA	2226	1/1	0.96	0.12	53,53,53,53	0
59	MG	DA	3738	1/1	0.96	0.14	45,45,45,45	0
59	MG	BA	1819	1/1	0.96	0.17	61,61,61,61	0
59	MG	DA	3740	1/1	0.96	0.12	49,49,49,49	0
59	MG	BA	1713	1/1	0.96	0.37	48,48,48,48	0
59	MG	CA	2229	1/1	0.96	0.10	109,109,109,109	0
59	MG	BA	1619	1/1	0.96	0.31	31,31,31,31	0
59	MG	CD	120	1/1	0.96	0.06	98,98,98,98	0
59	MG	DA	3201	1/1	0.96	0.21	45,45,45,45	0
59	MG	AA	3021	1/1	0.96	0.23	26,26,26,26	0
59	MG	DA	3461	1/1	0.96	0.11	34,34,34,34	0
59	MG	DA	4411	1/1	0.96	0.16	42,42,42,42	0
59	MG	AA	3506	1/1	0.96	0.23	27,27,27,27	0
59	MG	AA	3996	1/1	0.96	0.13	49,49,49,49	0
59	MG	CD	124	1/1	0.96	0.45	73,73,73,73	0
59	MG	DA	4074	1/1	0.96	0.19	54,54,54,54	0
59	MG	DA	4416	1/1	0.96	0.25	74,74,74,74	0
59	MG	DA	4075	1/1	0.96	0.10	25,25,25,25	0
59	MG	CA	1906	1/1	0.96	0.23	50,50,50,50	0
59	MG	DA	4420	1/1	0.96	0.12	40,40,40,40	0
59	MG	AA	3042	1/1	0.96	0.16	35,35,35,35	0
59	MG	AA	3555	1/1	0.96	0.15	60,60,60,60	0
59	MG	DB	243	1/1	0.96	0.13	53,53,53,53	0
59	MG	AA	3388	1/1	0.96	0.20	46,46,46,46	0
59	MG	AA	3391	1/1	0.96	0.16	39,39,39,39	0
59	MG	DA	3470	1/1	0.96	0.18	52,52,52,52	0
59	MG	DA	3211	1/1	0.96	0.31	43,43,43,43	0
59	MG	CA	2068	1/1	0.96	0.12	89,89,89,89	0
59	MG	DA	3763	1/1	0.96	0.21	8,8,8,8	0
59	MG	CA	1751	1/1	0.96	0.22	34,34,34,34	0
59	MG	BA	1723	1/1	0.96	0.26	63,63,63,63	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3462	1/1	0.96	0.15	32,32,32,32	0
59	MG	AA	4077	1/1	0.96	0.23	67,67,67,67	0
59	MG	AA	3610	1/1	0.96	0.05	69,69,69,69	0
59	MG	AA	3669	1/1	0.96	0.13	44,44,44,44	0
59	MG	CA	1917	1/1	0.96	0.15	64,64,64,64	0
59	MG	CA	1918	1/1	0.96	0.44	86,86,86,86	0
59	MG	AA	3196	1/1	0.96	0.15	29,29,29,29	0
59	MG	BA	1838	1/1	0.96	0.16	91,91,91,91	0
59	MG	DA	4445	1/1	0.96	0.18	21,21,21,21	0
59	MG	DA	3224	1/1	0.96	0.11	31,31,31,31	0
59	MG	AA	4156	1/1	0.96	0.17	59,59,59,59	0
59	MG	DA	3778	1/1	0.96	0.10	18,18,18,18	0
59	MG	AA	3297	1/1	0.96	0.20	58,58,58,58	0
59	MG	DA	3780	1/1	0.96	0.16	32,32,32,32	0
59	MG	BA	1732	1/1	0.96	0.44	62,62,62,62	0
59	MG	BA	2059	1/1	0.96	0.19	67,67,67,67	0
59	MG	CA	2083	1/1	0.96	0.17	87,87,87,87	0
59	MG	DA	3786	1/1	0.96	0.18	68,68,68,68	0
59	MG	DA	4790	1/1	0.96	0.12	53,53,53,53	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
59	MG	DA	4457	1/1	0.96	0.13	75,75,75,75	0
59	MG	BA	1637	1/1	0.96	0.25	57,57,57,57	0
59	MG	DA	4459	1/1	0.96	0.33	35,35,35,35	0
59	MG	DA	4797	1/1	0.96	0.28	88,88,88,88	0
59	MG	DA	4113	1/1	0.96	0.07	45,45,45,45	0
59	MG	DA	4799	1/1	0.96	0.46	98,98,98,98	0
59	MG	DA	4114	1/1	0.96	0.20	61,61,61,61	0
59	MG	DA	4464	1/1	0.96	0.18	51,51,51,51	0
59	MG	CA	2088	1/1	0.96	0.20	65,65,65,65	0
59	MG	DA	3235	1/1	0.96	0.13	25,25,25,25	0
59	MG	DA	3497	1/1	0.96	0.41	38,38,38,38	0
59	MG	DA	3794	1/1	0.96	0.30	38,38,38,38	0
59	MG	DA	3237	1/1	0.96	0.14	13,13,13,13	0
59	MG	DA	4471	1/1	0.96	0.15	46,46,46,46	0
59	MG	DA	3240	1/1	0.96	0.22	32,32,32,32	0
59	MG	DA	3241	1/1	0.96	0.22	20,20,20,20	0
59	MG	CA	2089	1/1	0.96	0.19	63,63,63,63	0
59	MG	DE	307	1/1	0.96	0.18	62,62,62,62	0
59	MG	DA	3800	1/1	0.96	0.13	33,33,33,33	0
59	MG	CA	2090	1/1	0.96	0.12	69,69,69,69	0
59	MG	DA	3506	1/1	0.96	0.15	46,46,46,46	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1622	1/1	0.96	0.15	51,51,51,51	0
59	MG	DA	3508	1/1	0.96	0.36	56,56,56,56	0
59	MG	CC	102	1/1	0.96	0.15	28,28,28,28	0
59	MG	DA	3807	1/1	0.96	0.12	59,59,59,59	0
59	MG	DA	4131	1/1	0.96	0.25	34,34,34,34	0
59	MG	BA	1735	1/1	0.96	0.07	40,40,40,40	0
59	MG	AA	3328	1/1	0.96	0.15	32,32,32,32	0
59	MG	DA	4822	1/1	0.96	0.09	39,39,39,39	0
59	MG	CA	2095	1/1	0.96	0.13	64,64,64,64	0
59	MG	AA	4008	1/1	0.96	0.25	78,78,78,78	0
59	MG	CA	1933	1/1	0.96	0.18	60,60,60,60	0
59	MG	DF	307	1/1	0.96	0.37	27,27,27,27	0
59	MG	CA	2271	1/1	0.96	0.12	55,55,55,55	0
59	MG	CA	1773	1/1	0.96	0.12	45,45,45,45	0
59	MG	AA	3937	1/1	0.96	0.19	67,67,67,67	0
59	MG	DA	3817	1/1	0.96	0.17	46,46,46,46	0
59	MG	CA	1936	1/1	0.96	0.11	55,55,55,55	0
59	MG	DA	4146	1/1	0.96	0.34	72,72,72,72	0
59	MG	DA	4147	1/1	0.96	0.33	42,42,42,42	0
59	MG	BA	1740	1/1	0.96	0.09	42,42,42,42	0
59	MG	AA	3518	1/1	0.96	0.06	17,17,17,17	0
59	MG	CA	1630	1/1	0.96	0.15	52,52,52,52	0
59	MG	CA	1631	1/1	0.96	0.18	42,42,42,42	0
59	MG	AA	4163	1/1	0.96	0.38	102,102,102,102	0
59	MG	CC	117	1/1	0.96	0.14	45,45,45,45	0
59	MG	AA	3299	1/1	0.96	0.12	82,82,82,82	0
59	MG	DA	4841	1/1	0.96	0.27	80,80,80,80	0
59	MG	DA	3826	1/1	0.96	0.23	33,33,33,33	0
59	MG	AA	3002	1/1	0.96	0.11	14,14,14,14	0
59	MG	DA	4161	1/1	0.96	0.39	61,61,61,61	0
59	MG	CA	1944	1/1	0.96	0.08	61,61,61,61	0
59	MG	DA	4847	1/1	0.96	0.17	117,117,117,117	0
59	MG	BA	2071	1/1	0.96	0.30	93,93,93,93	0
59	MG	DA	4165	1/1	0.96	0.12	35,35,35,35	0
59	MG	CA	2110	1/1	0.96	0.10	62,62,62,62	0
59	MG	AA	3677	1/1	0.96	0.13	60,60,60,60	0
59	MG	AA	3871	1/1	0.96	0.15	51,51,51,51	0
59	MG	DA	3533	1/1	0.96	0.14	47,47,47,47	0
59	MG	DA	4855	1/1	0.96	0.12	74,74,74,74	0
59	MG	CA	1639	1/1	0.96	0.20	43,43,43,43	0
59	MG	BA	2074	1/1	0.96	0.45	77,77,77,77	0
59	MG	AA	3398	1/1	0.96	0.24	30,30,30,30	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1790	1/1	0.96	0.09	81,81,81,81	0
59	MG	CA	1643	1/1	0.96	0.22	51,51,51,51	0
59	MG	CA	1644	1/1	0.96	0.16	24,24,24,24	0
59	MG	DA	4179	1/1	0.96	0.16	57,57,57,57	0
59	MG	AA	3620	1/1	0.96	0.10	55,55,55,55	0
59	MG	DA	3002	1/1	0.96	0.28	11,11,11,11	0
59	MG	BO	201	1/1	0.96	0.10	72,72,72,72	0
59	MG	DA	3846	1/1	0.96	0.13	64,64,64,64	0
59	MG	DA	3545	1/1	0.96	0.11	36,36,36,36	0
59	MG	DA	3005	1/1	0.96	0.26	17,17,17,17	0
59	MG	BA	1965	1/1	0.96	0.31	110,110,110,110	0
59	MG	CA	2299	1/1	0.96	0.19	111,111,111,111	0
59	MG	DO	204	1/1	0.96	0.30	44,44,44,44	0
59	MG	DA	3012	1/1	0.96	0.32	19,19,19,19	0
59	MG	DA	4189	1/1	0.96	0.08	60,60,60,60	0
59	MG	DA	4877	1/1	0.96	0.15	77,77,77,77	0
59	MG	BP	202	1/1	0.96	0.19	50,50,50,50	0
59	MG	DA	3015	1/1	0.96	0.25	30,30,30,30	0
59	MG	CA	1797	1/1	0.96	0.14	52,52,52,52	0
59	MG	AA	3621	1/1	0.96	0.04	46,46,46,46	0
59	MG	DO	213	1/1	0.96	0.29	96,96,96,96	0
59	MG	DA	3555	1/1	0.96	0.14	49,49,49,49	0
59	MG	DA	3021	1/1	0.96	0.31	26,26,26,26	0
59	MG	DA	3296	1/1	0.96	0.19	19,19,19,19	0
59	MG	BA	2190	1/1	0.96	0.11	62,62,62,62	0
59	MG	AA	3331	1/1	0.96	0.20	41,41,41,41	0
59	MG	DA	3029	1/1	0.96	0.22	7,7,7,7	0
59	MG	DA	3036	1/1	0.96	0.31	14,14,14,14	0
59	MG	DA	4209	1/1	0.96	0.18	83,83,83,83	0
59	MG	DA	3039	1/1	0.96	0.19	10,10,10,10	0
59	MG	DA	3866	1/1	0.96	0.26	59,59,59,59	0
59	MG	DA	4212	1/1	0.96	0.21	54,54,54,54	0
59	MG	DA	3041	1/1	0.96	0.26	20,20,20,20	0
59	MG	AA	3250	1/1	0.96	0.10	24,24,24,24	0
59	MG	BA	1655	1/1	0.96	0.32	58,58,58,58	0
59	MG	CA	1803	1/1	0.96	0.12	36,36,36,36	0
59	MG	CA	1804	1/1	0.96	0.24	67,67,67,67	0
59	MG	DA	4555	1/1	0.96	0.10	43,43,43,43	0
59	MG	CA	1656	1/1	0.96	0.39	43,43,43,43	0
59	MG	DA	3053	1/1	0.96	0.43	24,24,24,24	0
59	MG	BA	1970	1/1	0.96	0.15	141,141,141,141	0
59	MG	AA	3098	1/1	0.96	0.21	45,45,45,45	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3061	1/1	0.96	0.17	23,23,23,23	0
59	MG	DA	4907	1/1	0.96	0.56	57,57,57,57	0
59	MG	DA	4228	1/1	0.96	0.15	50,50,50,50	0
59	MG	BA	1972	1/1	0.96	0.10	53,53,53,53	0
59	MG	DA	3880	1/1	0.96	0.38	44,44,44,44	0
59	MG	DA	3066	1/1	0.96	0.25	17,17,17,17	0
59	MG	DA	3069	1/1	0.96	0.29	16,16,16,16	0
59	MG	DA	4913	1/1	0.96	0.22	74,74,74,74	0
59	MG	AA	3528	1/1	0.96	0.56	46,46,46,46	0
59	MG	AA	3814	1/1	0.96	0.19	67,67,67,67	0
59	MG	DA	3076	1/1	0.96	0.24	13,13,13,13	0
59	MG	BS	108	1/1	0.96	0.10	91,91,91,91	0
59	MG	DA	3888	1/1	0.96	0.09	55,55,55,55	0
59	MG	D1	212	1/1	0.96	0.34	53,53,53,53	0
59	MG	BA	2200	1/1	0.96	0.14	102,102,102,102	0
59	MG	AA	3952	1/1	0.96	0.19	71,71,71,71	0
59	MG	AA	3815	1/1	0.96	0.11	61,61,61,61	0
59	MG	AA	3200	1/1	0.96	0.34	83,83,83,83	0
59	MG	DA	3085	1/1	0.96	0.38	43,43,43,43	0
59	MG	AA	3085	1/1	0.96	0.07	29,29,29,29	0
59	MG	AA	3479	1/1	0.96	0.13	59,59,59,59	0
59	MG	DA	3091	1/1	0.96	0.18	31,31,31,31	0
59	MG	BA	1764	1/1	0.96	0.08	50,50,50,50	0
59	MG	AA	4030	1/1	0.96	0.17	66,66,66,66	0
59	MG	AA	3630	1/1	0.96	0.37	55,55,55,55	0
59	MG	DA	4584	1/1	0.96	0.15	40,40,40,40	0
59	MG	AA	3336	1/1	0.96	0.10	122,122,122,122	0
59	MG	DA	3097	1/1	0.96	0.17	21,21,21,21	0
59	MG	AA	3004	1/1	0.96	0.18	7,7,7,7	0
59	MG	DA	3339	1/1	0.96	0.12	68,68,68,68	0
59	MG	AA	3204	1/1	0.96	0.09	68,68,68,68	0
59	MG	CA	1985	1/1	0.96	0.18	61,61,61,61	0
59	MG	BA	1669	1/1	0.96	0.25	32,32,32,32	0
59	MG	AA	3634	1/1	0.96	0.28	52,52,52,52	0
59	MG	BA	1880	1/1	0.96	0.16	60,60,60,60	0
59	MG	DU	202	1/1	0.96	0.13	17,17,17,17	0
59	MG	DU	203	1/1	0.96	0.17	45,45,45,45	0
59	MG	DA	4594	1/1	0.96	0.48	62,62,62,62	0
59	MG	DA	3609	1/1	0.96	0.14	76,76,76,76	0
59	MG	DA	3915	1/1	0.96	0.15	28,28,28,28	0
59	MG	BA	2101	1/1	0.96	0.24	124,124,124,124	0
59	MG	DA	3917	1/1	0.96	0.14	77,77,77,77	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3346	1/1	0.96	0.42	49,49,49,49	0
59	MG	CF	303	1/1	0.96	0.78	79,79,79,79	0
59	MG	DA	3110	1/1	0.96	0.10	35,35,35,35	0
59	MG	AA	3889	1/1	0.96	0.10	73,73,73,73	0
59	MG	AA	3694	1/1	0.96	0.09	56,56,56,56	0
59	MG	DA	3923	1/1	0.96	0.17	70,70,70,70	0
59	MG	AA	3257	1/1	0.96	0.14	36,36,36,36	0
59	MG	DA	3114	1/1	0.96	0.33	47,47,47,47	0
59	MG	DA	3353	1/1	0.96	0.16	22,22,22,22	0
59	MG	AA	3579	1/1	0.96	0.14	83,83,83,83	0
59	MG	DA	4609	1/1	0.96	0.14	48,48,48,48	0
59	MG	CA	1686	1/1	0.96	0.28	35,35,35,35	0
59	MG	BA	1993	1/1	0.96	0.13	60,60,60,60	0
59	MG	BA	1885	1/1	0.96	0.25	44,44,44,44	0
59	MG	DA	4963	1/1	0.96	0.12	63,63,63,63	0
59	MG	DA	4613	1/1	0.96	0.32	64,64,64,64	0
59	MG	DA	4965	1/1	0.96	0.36	61,61,61,61	0
59	MG	DA	3360	1/1	0.96	0.28	36,36,36,36	0
59	MG	DA	3361	1/1	0.96	0.13	50,50,50,50	0
59	MG	DA	3362	1/1	0.96	0.24	35,35,35,35	0
59	MG	DA	3935	1/1	0.96	0.21	75,75,75,75	0
59	MG	DA	4972	1/1	0.96	0.20	80,80,80,80	0
59	MG	DZ	102	1/1	0.96	0.24	49,49,49,49	0
59	MG	CA	1690	1/1	0.96	0.10	43,43,43,43	0
59	MG	AA	3234	1/1	0.96	0.12	54,54,54,54	0
59	MG	DA	3941	1/1	0.96	0.09	61,61,61,61	0
59	MG	AB	228	1/1	0.96	0.10	64,64,64,64	0
59	MG	AA	3699	1/1	0.96	0.32	59,59,59,59	0
59	MG	DA	3944	1/1	0.96	0.10	72,72,72,72	0
59	MG	AA	3581	1/1	0.96	0.23	55,55,55,55	0
59	MG	DA	4293	1/1	0.96	0.38	54,54,54,54	0
59	MG	AA	3582	1/1	0.96	0.28	54,54,54,54	0
59	MG	DA	3126	1/1	0.96	0.28	63,63,63,63	0
59	MG	DA	3127	1/1	0.96	0.15	32,32,32,32	0
59	MG	DA	3638	1/1	0.96	0.17	78,78,78,78	0
59	MG	DA	3950	1/1	0.96	0.26	117,117,117,117	0
59	MG	AA	3970	1/1	0.96	0.10	47,47,47,47	0
59	MG	CA	1697	1/1	0.96	0.26	44,44,44,44	0
59	MG	AA	3024	1/1	0.96	0.10	61,61,61,61	0
59	MG	A5	101	1/1	0.96	0.14	23,23,23,23	0
59	MG	AA	3768	1/1	0.96	0.19	79,79,79,79	0
59	MG	BA	1895	1/1	0.96	0.26	54,54,54,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	D5	106	1/1	0.96	0.36	58,58,58,58	0
59	MG	AA	3641	1/1	0.96	0.13	46,46,46,46	0
59	MG	DA	3137	1/1	0.96	0.36	31,31,31,31	0
59	MG	DA	4308	1/1	0.96	0.17	71,71,71,71	0
59	MG	DA	3383	1/1	0.96	0.11	49,49,49,49	0
59	MG	CA	2177	1/1	0.96	0.19	116,116,116,116	0
59	MG	DA	4643	1/1	0.96	0.21	59,59,59,59	0
59	MG	AA	3260	1/1	0.96	0.19	44,44,44,44	0
59	MG	AD	301	1/1	0.96	0.09	36,36,36,36	0
59	MG	AA	3169	1/1	0.96	0.09	11,11,11,11	0
59	MG	D8	102	1/1	0.96	0.40	37,37,37,37	0
59	MG	DA	4647	1/1	0.96	0.32	84,84,84,84	0
59	MG	BA	1900	1/1	0.96	0.10	83,83,83,83	0
59	MG	DA	3389	1/1	0.96	0.20	48,48,48,48	0
59	MG	AA	3170	1/1	0.96	0.20	32,32,32,32	0
59	MG	D8	108	1/1	0.96	0.17	52,52,52,52	0
59	MG	CA	2183	1/1	0.96	0.07	62,62,62,62	0
59	MG	AA	3587	1/1	0.96	0.12	55,55,55,55	0
60	ZN	BQ	104	1/1	0.96	0.11	97,97,97,97	0
60	ZN	CG	301	1/1	0.96	0.24	74,74,74,74	0
59	MG	BA	1795	1/1	0.96	0.32	67,67,67,67	0
59	MG	DA	3369	1/1	0.97	0.21	16,16,16,16	0
59	MG	DA	4796	1/1	0.97	0.26	45,45,45,45	0
59	MG	CA	2067	1/1	0.97	0.16	89,89,89,89	0
59	MG	BA	1961	1/1	0.97	0.05	49,49,49,49	0
59	MG	CC	126	1/1	0.97	0.08	55,55,55,55	0
59	MG	DA	4531	1/1	0.97	0.23	57,57,57,57	0
59	MG	AA	3277	1/1	0.97	0.07	42,42,42,42	0
59	MG	AA	3090	1/1	0.97	0.17	42,42,42,42	0
59	MG	AA	3401	1/1	0.97	0.36	46,46,46,46	0
59	MG	AA	3091	1/1	0.97	0.38	59,59,59,59	0
59	MG	AA	3092	1/1	0.97	0.18	16,16,16,16	0
59	MG	DA	4272	1/1	0.97	0.28	56,56,56,56	0
59	MG	DB	218	1/1	0.97	0.28	44,44,44,44	0
59	MG	DA	3784	1/1	0.97	0.16	52,52,52,52	0
59	MG	DA	4013	1/1	0.97	0.39	42,42,42,42	0
59	MG	CG	305	1/1	0.97	0.10	80,80,80,80	0
59	MG	DB	223	1/1	0.97	0.07	58,58,58,58	0
59	MG	DA	3381	1/1	0.97	0.24	66,66,66,66	0
59	MG	AA	3281	1/1	0.97	0.10	45,45,45,45	0
59	MG	DA	4017	1/1	0.97	0.19	69,69,69,69	0
59	MG	DA	3788	1/1	0.97	0.10	50,50,50,50	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3932	1/1	0.97	0.09	56,56,56,56	0
59	MG	DA	4020	1/1	0.97	0.21	153,153,153,153	0
59	MG	AA	3450	1/1	0.97	0.18	59,59,59,59	0
59	MG	DA	4022	1/1	0.97	0.55	41,41,41,41	0
59	MG	DA	3004	1/1	0.97	0.17	9,9,9,9	0
59	MG	DA	4550	1/1	0.97	0.20	61,61,61,61	0
59	MG	DA	4027	1/1	0.97	0.28	59,59,59,59	0
59	MG	AA	3063	1/1	0.97	0.14	27,27,27,27	0
59	MG	DA	4553	1/1	0.97	0.20	69,69,69,69	0
59	MG	DA	3006	1/1	0.97	0.13	14,14,14,14	0
59	MG	AA	3207	1/1	0.97	0.20	30,30,30,30	0
59	MG	BA	1682	1/1	0.97	0.28	51,51,51,51	0
59	MG	DA	3579	1/1	0.97	0.24	21,21,21,21	0
59	MG	BC	103	1/1	0.97	0.09	51,51,51,51	0
59	MG	CH	201	1/1	0.97	0.30	55,55,55,55	0
59	MG	BC	104	1/1	0.97	0.15	45,45,45,45	0
59	MG	DA	4561	1/1	0.97	0.58	43,43,43,43	0
59	MG	AA	3013	1/1	0.97	0.14	49,49,49,49	0
59	MG	DA	3394	1/1	0.97	0.31	43,43,43,43	0
59	MG	DA	4298	1/1	0.97	0.37	62,62,62,62	0
59	MG	DA	4565	1/1	0.97	0.24	119,119,119,119	0
59	MG	DA	3587	1/1	0.97	0.24	21,21,21,21	0
59	MG	DB	251	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	CA	2212	1/1	0.97	0.15	69,69,69,69	0
59	MG	DA	3020	1/1	0.97	0.14	21,21,21,21	0
59	MG	AA	4071	1/1	0.97	0.17	70,70,70,70	0
59	MG	AA	3209	1/1	0.97	0.21	77,77,77,77	0
59	MG	BA	1686	1/1	0.97	0.27	34,34,34,34	0
59	MG	DA	4844	1/1	0.97	0.12	58,58,58,58	0
59	MG	DA	3810	1/1	0.97	0.18	39,39,39,39	0
59	MG	DA	3026	1/1	0.97	0.39	17,17,17,17	0
59	MG	DA	3027	1/1	0.97	0.11	15,15,15,15	0
59	MG	CA	1832	1/1	0.97	0.15	115,115,115,115	0
59	MG	DA	3035	1/1	0.97	0.20	15,15,15,15	0
59	MG	AA	3323	1/1	0.97	0.11	48,48,48,48	0
59	MG	DA	3599	1/1	0.97	0.17	6,6,6,6	0
59	MG	DA	3038	1/1	0.97	0.14	13,13,13,13	0
59	MG	DA	3225	1/1	0.97	0.10	39,39,39,39	0
59	MG	BA	1779	1/1	0.97	0.27	45,45,45,45	0
59	MG	AA	4145	1/1	0.97	0.23	77,77,77,77	0
59	MG	DA	3410	1/1	0.97	0.09	64,64,64,64	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4858	1/1	0.97	0.27	69,69,69,69	0
59	MG	AA	3456	1/1	0.97	0.13	20,20,20,20	0
59	MG	DA	3044	1/1	0.97	0.31	18,18,18,18	0
59	MG	DA	4061	1/1	0.97	0.09	54,54,54,54	0
59	MG	DA	3045	1/1	0.97	0.28	23,23,23,23	0
59	MG	BA	1604	1/1	0.97	0.22	47,47,47,47	0
59	MG	AA	3629	1/1	0.97	0.25	45,45,45,45	0
59	MG	CA	1839	1/1	0.97	0.13	55,55,55,55	0
59	MG	DA	3612	1/1	0.97	0.15	64,64,64,64	0
59	MG	DA	4867	1/1	0.97	0.26	62,62,62,62	0
59	MG	AA	3175	1/1	0.97	0.10	29,29,29,29	0
59	MG	DA	4068	1/1	0.97	0.12	50,50,50,50	0
59	MG	DA	3830	1/1	0.97	0.56	39,39,39,39	0
59	MG	AA	3686	1/1	0.97	0.15	49,49,49,49	0
59	MG	DA	3236	1/1	0.97	0.20	20,20,20,20	0
59	MG	DA	3616	1/1	0.97	0.21	64,64,64,64	0
59	MG	DA	4875	1/1	0.97	0.07	88,88,88,88	0
59	MG	DA	3834	1/1	0.97	0.20	57,57,57,57	0
59	MG	DE	302	1/1	0.97	0.22	8,8,8,8	0
59	MG	AA	3520	1/1	0.97	0.15	75,75,75,75	0
59	MG	DE	304	1/1	0.97	0.15	47,47,47,47	0
59	MG	DA	3238	1/1	0.97	0.17	18,18,18,18	0
59	MG	BA	1787	1/1	0.97	0.23	49,49,49,49	0
59	MG	DA	3060	1/1	0.97	0.27	19,19,19,19	0
59	MG	DA	3243	1/1	0.97	0.29	48,48,48,48	0
59	MG	CA	1719	1/1	0.97	0.09	62,62,62,62	0
59	MG	DA	3427	1/1	0.97	0.12	44,44,44,44	0
59	MG	DA	3062	1/1	0.97	0.21	19,19,19,19	0
59	MG	AA	4010	1/1	0.97	0.11	74,74,74,74	0
59	MG	DA	3065	1/1	0.97	0.11	6,6,6,6	0
59	MG	DA	3845	1/1	0.97	0.12	54,54,54,54	0
59	MG	DA	4346	1/1	0.97	0.21	44,44,44,44	0
59	MG	DA	3249	1/1	0.97	0.14	13,13,13,13	0
59	MG	AA	3020	1/1	0.97	0.19	27,27,27,27	0
59	MG	DA	3251	1/1	0.97	0.11	12,12,12,12	0
59	MG	CA	1847	1/1	0.97	0.13	95,95,95,95	0
59	MG	AA	3365	1/1	0.97	0.25	39,39,39,39	0
59	MG	AA	3326	1/1	0.97	0.10	22,22,22,22	0
59	MG	DA	3852	1/1	0.97	0.38	55,55,55,55	0
59	MG	DF	308	1/1	0.97	0.51	30,30,30,30	0
59	MG	DA	3440	1/1	0.97	0.13	57,57,57,57	0
59	MG	DA	3075	1/1	0.97	0.24	19,19,19,19	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3066	1/1	0.97	0.12	17,17,17,17	0
59	MG	DA	3443	1/1	0.97	0.08	54,54,54,54	0
59	MG	DA	4902	1/1	0.97	0.19	82,82,82,82	0
59	MG	AA	3463	1/1	0.97	0.07	3,3,3,3	0
59	MG	CQ	102	1/1	0.97	0.19	51,51,51,51	0
59	MG	DA	3079	1/1	0.97	0.26	37,37,37,37	0
59	MG	BA	1616	1/1	0.97	0.27	47,47,47,47	0
59	MG	BA	1702	1/1	0.97	0.22	33,33,33,33	0
59	MG	CA	1609	1/1	0.97	0.15	31,31,31,31	0
59	MG	AA	3151	1/1	0.97	0.19	60,60,60,60	0
59	MG	CA	2240	1/1	0.97	0.25	70,70,70,70	0
59	MG	DA	4631	1/1	0.97	0.17	67,67,67,67	0
59	MG	DF	323	1/1	0.97	0.72	37,37,37,37	0
59	MG	AA	3033	1/1	0.97	0.23	41,41,41,41	0
59	MG	DA	4109	1/1	0.97	0.24	61,61,61,61	0
59	MG	CA	2113	1/1	0.97	0.29	68,68,68,68	0
59	MG	DG	202	1/1	0.97	0.07	47,47,47,47	0
59	MG	DA	4112	1/1	0.97	0.08	45,45,45,45	0
59	MG	BA	1800	1/1	0.97	0.20	66,66,66,66	0
59	MG	CA	1613	1/1	0.97	0.12	41,41,41,41	0
59	MG	BA	2194	1/1	0.97	0.18	40,40,40,40	0
59	MG	DA	3871	1/1	0.97	0.45	49,49,49,49	0
59	MG	AA	3370	1/1	0.97	0.29	64,64,64,64	0
59	MG	DA	3271	1/1	0.97	0.24	33,33,33,33	0
59	MG	CA	1736	1/1	0.97	0.17	30,30,30,30	0
59	MG	AA	3026	1/1	0.97	0.38	38,38,38,38	0
59	MG	AA	3070	1/1	0.97	0.14	35,35,35,35	0
59	MG	AA	3759	1/1	0.97	0.09	59,59,59,59	0
59	MG	AA	3101	1/1	0.97	0.29	38,38,38,38	0
59	MG	DA	4384	1/1	0.97	0.28	64,64,64,64	0
59	MG	CA	2254	1/1	0.97	0.18	56,56,56,56	0
59	MG	AA	3058	1/1	0.97	0.12	25,25,25,25	0
59	MG	DA	3106	1/1	0.97	0.13	56,56,56,56	0
59	MG	DA	4931	1/1	0.97	0.42	41,41,41,41	0
59	MG	DA	4651	1/1	0.97	0.09	66,66,66,66	0
59	MG	DA	3663	1/1	0.97	0.09	79,79,79,79	0
59	MG	CA	1867	1/1	0.97	0.10	99,99,99,99	0
59	MG	CA	1868	1/1	0.97	0.07	29,29,29,29	0
59	MG	DA	4936	1/1	0.97	0.74	52,52,52,52	0
59	MG	DA	4130	1/1	0.97	0.37	29,29,29,29	0
59	MG	DO	201	1/1	0.97	0.12	32,32,32,32	0
59	MG	AA	4165	1/1	0.97	0.10	64,64,64,64	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3007	1/1	0.97	0.22	24,24,24,24	0
59	MG	BA	1628	1/1	0.97	0.23	49,49,49,49	0
59	MG	CA	1998	1/1	0.97	0.11	90,90,90,90	0
59	MG	DA	4135	1/1	0.97	0.27	59,59,59,59	0
59	MG	AA	3763	1/1	0.97	0.12	48,48,48,48	0
59	MG	AA	3764	1/1	0.97	0.17	53,53,53,53	0
59	MG	DA	4400	1/1	0.97	0.24	83,83,83,83	0
59	MG	DA	4946	1/1	0.97	0.52	62,62,62,62	0
59	MG	DA	4402	1/1	0.97	0.48	35,35,35,35	0
59	MG	BA	1716	1/1	0.97	0.22	56,56,56,56	0
59	MG	DA	4140	1/1	0.97	0.23	47,47,47,47	0
59	MG	AA	3126	1/1	0.97	0.22	58,58,58,58	0
59	MG	DA	4406	1/1	0.97	0.38	54,54,54,54	0
59	MG	DA	4670	1/1	0.97	0.26	61,61,61,61	0
59	MG	AA	3028	1/1	0.97	0.12	15,15,15,15	0
59	MG	AA	4029	1/1	0.97	0.06	80,80,80,80	0
59	MG	DA	3677	1/1	0.97	0.25	78,78,78,78	0
59	MG	DA	4410	1/1	0.97	0.26	59,59,59,59	0
59	MG	CA	1880	1/1	0.97	0.09	35,35,35,35	0
59	MG	BA	1634	1/1	0.97	0.27	37,37,37,37	0
59	MG	DA	3903	1/1	0.97	0.27	42,42,42,42	0
59	MG	AA	3128	1/1	0.97	0.23	32,32,32,32	0
59	MG	DA	4150	1/1	0.97	0.18	47,47,47,47	0
59	MG	DA	3300	1/1	0.97	0.17	27,27,27,27	0
59	MG	AA	3130	1/1	0.97	0.28	24,24,24,24	0
59	MG	DA	3683	1/1	0.97	0.13	56,56,56,56	0
59	MG	AR	203	1/1	0.97	0.05	55,55,55,55	0
59	MG	CA	1636	1/1	0.97	0.16	16,16,16,16	0
59	MG	DA	4968	1/1	0.97	0.21	65,65,65,65	0
59	MG	DA	4969	1/1	0.97	0.10	75,75,75,75	0
59	MG	DA	3910	1/1	0.97	0.10	143,143,143,143	0
59	MG	DA	4158	1/1	0.97	0.08	47,47,47,47	0
59	MG	CA	1757	1/1	0.97	0.13	26,26,26,26	0
59	MG	DA	4160	1/1	0.97	0.33	53,53,53,53	0
59	MG	DA	3688	1/1	0.97	0.23	42,42,42,42	0
59	MG	AA	3383	1/1	0.97	0.14	24,24,24,24	0
59	MG	CA	2276	1/1	0.97	0.16	69,69,69,69	0
59	MG	D1	204	1/1	0.97	0.23	59,59,59,59	0
59	MG	DA	4977	1/1	0.97	0.34	94,94,94,94	0
59	MG	CA	1760	1/1	0.97	0.31	69,69,69,69	0
59	MG	AA	3650	1/1	0.97	0.10	70,70,70,70	0
59	MG	BA	1640	1/1	0.97	0.28	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3310	1/1	0.97	0.13	30,30,30,30	0
59	MG	DA	3696	1/1	0.97	0.16	19,19,19,19	0
59	MG	DA	4435	1/1	0.97	0.14	53,53,53,53	0
59	MG	BA	1727	1/1	0.97	0.15	52,52,52,52	0
59	MG	DA	3701	1/1	0.97	0.32	10,10,10,10	0
59	MG	DA	3702	1/1	0.97	0.12	36,36,36,36	0
59	MG	D2	205	1/1	0.97	0.31	84,84,84,84	0
59	MG	DA	4702	1/1	0.97	0.24	48,48,48,48	0
59	MG	DA	3703	1/1	0.97	0.31	12,12,12,12	0
59	MG	BA	1641	1/1	0.97	0.14	53,53,53,53	0
59	MG	DA	4444	1/1	0.97	0.13	51,51,51,51	0
59	MG	DA	3499	1/1	0.97	0.14	70,70,70,70	0
59	MG	AA	3300	1/1	0.97	0.28	38,38,38,38	0
59	MG	AA	3709	1/1	0.97	0.20	66,66,66,66	0
59	MG	AA	3231	1/1	0.97	0.09	43,43,43,43	0
59	MG	CA	2285	1/1	0.97	0.17	135,135,135,135	0
59	MG	DA	3504	1/1	0.97	0.26	30,30,30,30	0
59	MG	BA	2123	1/1	0.97	0.10	90,90,90,90	0
59	MG	DA	3319	1/1	0.97	0.15	46,46,46,46	0
59	MG	DS	208	1/1	0.97	0.18	54,54,54,54	0
59	MG	AA	3430	1/1	0.97	0.06	81,81,81,81	0
59	MG	AA	3087	1/1	0.97	0.17	20,20,20,20	0
59	MG	DA	5003	1/1	0.97	0.31	76,76,76,76	0
59	MG	DA	4718	1/1	0.97	0.07	69,69,69,69	0
59	MG	DA	3937	1/1	0.97	0.12	67,67,67,67	0
59	MG	DA	3938	1/1	0.97	0.08	96,96,96,96	0
59	MG	AA	3132	1/1	0.97	0.27	44,44,44,44	0
59	MG	AA	3547	1/1	0.97	0.15	47,47,47,47	0
59	MG	AA	3778	1/1	0.97	0.10	53,53,53,53	0
59	MG	CA	1775	1/1	0.97	0.32	51,51,51,51	0
59	MG	DA	4196	1/1	0.97	0.17	43,43,43,43	0
59	MG	DU	206	1/1	0.97	0.12	47,47,47,47	0
59	MG	DA	4463	1/1	0.97	0.23	62,62,62,62	0
59	MG	AA	3010	1/1	0.97	0.22	19,19,19,19	0
59	MG	DA	4465	1/1	0.97	0.26	48,48,48,48	0
59	MG	DA	4198	1/1	0.97	0.17	45,45,45,45	0
59	MG	DA	4199	1/1	0.97	0.43	48,48,48,48	0
59	MG	AA	4043	1/1	0.97	0.71	132,132,132,132	0
59	MG	CA	1655	1/1	0.97	0.12	18,18,18,18	0
59	MG	CA	2296	1/1	0.97	0.06	68,68,68,68	0
59	MG	DA	4204	1/1	0.97	0.18	45,45,45,45	0
59	MG	DU	216	1/1	0.97	0.17	80,80,80,80	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	BA	1739	1/1	0.97	0.34	67,67,67,67	0
59	MG	AA	3487	1/1	0.97	0.14	72,72,72,72	0
59	MG	BA	1938	1/1	0.97	0.18	69,69,69,69	0
59	MG	BA	1653	1/1	0.97	0.37	47,47,47,47	0
59	MG	DA	3729	1/1	0.97	0.23	52,52,52,52	0
59	MG	AA	3389	1/1	0.97	0.15	67,67,67,67	0
59	MG	DA	4743	1/1	0.97	0.29	96,96,96,96	0
59	MG	DA	5029	1/1	0.97	0.29	39,39,39,39	0
59	MG	AA	3390	1/1	0.97	0.23	46,46,46,46	0
59	MG	AA	3136	1/1	0.97	0.24	38,38,38,38	0
59	MG	DA	3734	1/1	0.97	0.06	55,55,55,55	0
59	MG	DA	4216	1/1	0.97	0.24	52,52,52,52	0
59	MG	DA	4748	1/1	0.97	0.09	83,83,83,83	0
59	MG	AA	4117	1/1	0.97	0.07	96,96,96,96	0
59	MG	BA	2239	1/1	0.97	0.13	63,63,63,63	0
59	MG	DA	3959	1/1	0.97	0.21	59,59,59,59	0
59	MG	DA	3737	1/1	0.97	0.24	36,36,36,36	0
59	MG	AA	3980	1/1	0.97	0.38	65,65,65,65	0
59	MG	AA	3237	1/1	0.97	0.07	36,36,36,36	0
59	MG	DA	4225	1/1	0.97	0.11	83,83,83,83	0
59	MG	DA	4756	1/1	0.97	0.18	57,57,57,57	0
59	MG	DA	3964	1/1	0.97	0.11	68,68,68,68	0
59	MG	DA	3967	1/1	0.97	0.10	80,80,80,80	0
59	MG	AA	3107	1/1	0.97	0.27	32,32,32,32	0
59	MG	DA	3167	1/1	0.97	0.12	48,48,48,48	0
59	MG	DA	3742	1/1	0.97	0.15	65,65,65,65	0
59	MG	AA	3664	1/1	0.97	0.13	68,68,68,68	0
59	MG	CA	1670	1/1	0.97	0.36	46,46,46,46	0
59	MG	DA	3170	1/1	0.97	0.28	16,16,16,16	0
59	MG	BA	2045	1/1	0.97	0.05	66,66,66,66	0
59	MG	BD	115	1/1	0.97	0.09	61,61,61,61	0
59	MG	DA	3537	1/1	0.97	0.11	43,43,43,43	0
59	MG	CA	1923	1/1	0.97	0.13	48,48,48,48	0
59	MG	AA	3850	1/1	0.97	0.25	41,41,41,41	0
59	MG	A3	101	1/1	0.97	0.28	40,40,40,40	0
59	MG	DA	3541	1/1	0.97	0.11	19,19,19,19	0
59	MG	AA	3609	1/1	0.97	0.14	72,72,72,72	0
59	MG	DA	4242	1/1	0.97	0.17	49,49,49,49	0
59	MG	BA	2248	1/1	0.97	0.07	61,61,61,61	0
59	MG	DA	3985	1/1	0.97	0.24	81,81,81,81	0
59	MG	AA	3139	1/1	0.97	0.07	45,45,45,45	0
59	MG	AA	3108	1/1	0.97	0.19	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3790	1/1	0.97	0.55	60,60,60,60	0
59	MG	D7	102	1/1	0.97	0.23	41,41,41,41	0
59	MG	D7	103	1/1	0.97	0.28	45,45,45,45	0
59	MG	AA	3275	1/1	0.97	0.21	58,58,58,58	0
59	MG	BA	2053	1/1	0.97	0.13	90,90,90,90	0
59	MG	AA	3012	1/1	0.97	0.27	21,21,21,21	0
59	MG	BA	1759	1/1	0.97	0.18	77,77,77,77	0
59	MG	AA	4129	1/1	0.97	0.10	86,86,86,86	0
59	MG	BA	1761	1/1	0.97	0.26	58,58,58,58	0
59	MG	CA	1810	1/1	0.97	0.11	61,61,61,61	0
59	MG	DA	4256	1/1	0.97	0.41	115,115,115,115	0
59	MG	D8	107	1/1	0.97	0.23	44,44,44,44	0
59	MG	DA	5075	1/1	0.97	0.28	50,50,50,50	0
59	MG	CC	121	1/1	0.97	0.15	49,49,49,49	0
59	MG	CA	1811	1/1	0.97	0.06	46,46,46,46	0
59	MG	DA	3999	1/1	0.97	0.26	83,83,83,83	0
59	MG	DA	3557	1/1	0.97	0.13	55,55,55,55	0
59	MG	AA	3312	1/1	0.97	0.13	40,40,40,40	0
59	MG	CA	2093	1/1	0.98	0.10	64,64,64,64	0
59	MG	DA	3670	1/1	0.98	0.21	78,78,78,78	0
59	MG	CA	1819	1/1	0.98	0.11	72,72,72,72	0
59	MG	BA	1611	1/1	0.98	0.16	37,37,37,37	0
59	MG	CA	2001	1/1	0.98	0.22	75,75,75,75	0
59	MG	BA	1794	1/1	0.98	0.22	49,49,49,49	0
59	MG	DA	3133	1/1	0.98	0.31	45,45,45,45	0
59	MG	CA	1647	1/1	0.98	0.20	13,13,13,13	0
59	MG	AA	3381	1/1	0.98	0.16	32,32,32,32	0
59	MG	AA	3048	1/1	0.98	0.21	41,41,41,41	0
59	MG	AA	3111	1/1	0.98	0.14	46,46,46,46	0
59	MG	DA	4370	1/1	0.98	0.21	74,74,74,74	0
59	MG	AA	3206	1/1	0.98	0.10	40,40,40,40	0
59	MG	DA	4372	1/1	0.98	0.15	53,53,53,53	0
59	MG	AA	3039	1/1	0.98	0.23	30,30,30,30	0
59	MG	BA	1617	1/1	0.98	0.34	44,44,44,44	0
59	MG	DA	4767	1/1	0.98	0.28	52,52,52,52	0
59	MG	DA	4768	1/1	0.98	0.13	64,64,64,64	0
59	MG	DA	4375	1/1	0.98	0.25	52,52,52,52	0
59	MG	DA	3398	1/1	0.98	0.19	75,75,75,75	0
59	MG	AA	3720	1/1	0.98	0.55	52,52,52,52	0
59	MG	BA	1870	1/1	0.98	0.10	119,119,119,119	0
59	MG	DA	4194	1/1	0.98	0.14	37,37,37,37	0
59	MG	AA	3924	1/1	0.98	0.09	79,79,79,79	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	DA	3687	1/1	0.98	0.16	41,41,41,41	0
59	MG	DA	4981	1/1	0.98	0.41	41,41,41,41	0
59	MG	DA	3011	1/1	0.98	0.35	1,1,1,1	0
59	MG	DA	3145	1/1	0.98	0.26	39,39,39,39	0
59	MG	AA	3001	1/1	0.98	0.18	21,21,21,21	0
59	MG	AA	3492	1/1	0.98	0.06	48,48,48,48	0
59	MG	AA	3186	1/1	0.98	0.09	19,19,19,19	0
59	MG	DA	4987	1/1	0.98	0.32	37,37,37,37	0
59	MG	DA	3546	1/1	0.98	0.28	29,29,29,29	0
59	MG	DA	4203	1/1	0.98	0.14	50,50,50,50	0
59	MG	DA	3694	1/1	0.98	0.17	41,41,41,41	0
59	MG	DA	4205	1/1	0.98	0.16	37,37,37,37	0
59	MG	DA	3273	1/1	0.98	0.15	18,18,18,18	0
59	MG	DA	3017	1/1	0.98	0.22	7,7,7,7	0
59	MG	DA	4024	1/1	0.98	0.07	47,47,47,47	0
59	MG	DA	3698	1/1	0.98	0.12	35,35,35,35	0
59	MG	DA	4395	1/1	0.98	0.19	46,46,46,46	0
59	MG	DA	3699	1/1	0.98	0.29	1,1,1,1	0
59	MG	AA	3034	1/1	0.98	0.12	41,41,41,41	0
59	MG	DA	3276	1/1	0.98	0.29	34,34,34,34	0
59	MG	DA	4213	1/1	0.98	0.24	49,49,49,49	0
59	MG	BA	1807	1/1	0.98	0.15	63,63,63,63	0
59	MG	DA	4401	1/1	0.98	0.30	87,87,87,87	0
59	MG	CA	1748	1/1	0.98	0.27	27,27,27,27	0
59	MG	DA	3153	1/1	0.98	0.26	26,26,26,26	0
59	MG	CA	1662	1/1	0.98	0.06	19,19,19,19	0
59	MG	DA	3706	1/1	0.98	0.26	20,20,20,20	0
59	MG	DA	4219	1/1	0.98	0.21	60,60,60,60	0
59	MG	DA	3155	1/1	0.98	0.18	32,32,32,32	0
59	MG	DA	5009	1/1	0.98	0.25	66,66,66,66	0
59	MG	DA	3022	1/1	0.98	0.30	12,12,12,12	0
59	MG	AA	3240	1/1	0.98	0.22	34,34,34,34	0
59	MG	DA	3865	1/1	0.98	0.14	87,87,87,87	0
59	MG	AA	3003	1/1	0.98	0.10	12,12,12,12	0
59	MG	AA	3134	1/1	0.98	0.16	22,22,22,22	0
59	MG	DA	4808	1/1	0.98	0.50	61,61,61,61	0
59	MG	AA	3006	1/1	0.98	0.19	14,14,14,14	0
59	MG	DA	3028	1/1	0.98	0.20	18,18,18,18	0
59	MG	AA	3589	1/1	0.98	0.28	139,139,139,139	0
59	MG	DA	3031	1/1	0.98	0.23	3,3,3,3	0
59	MG	DA	3032	1/1	0.98	0.25	6,6,6,6	0
59	MG	AA	3011	1/1	0.98	0.18	17,17,17,17	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	4419	1/1	0.98	0.14	57,57,57,57	0
59	MG	AA	3731	1/1	0.98	0.08	79,79,79,79	0
59	MG	DA	3428	1/1	0.98	0.24	38,38,38,38	0
59	MG	DA	3876	1/1	0.98	0.43	52,52,52,52	0
59	MG	DA	3037	1/1	0.98	0.16	1,1,1,1	0
59	MG	DA	3295	1/1	0.98	0.21	14,14,14,14	0
59	MG	DO	209	1/1	0.98	0.16	60,60,60,60	0
59	MG	BA	1953	1/1	0.98	0.11	68,68,68,68	0
59	MG	DA	3432	1/1	0.98	0.23	46,46,46,46	0
59	MG	AA	3500	1/1	0.98	0.18	22,22,22,22	0
59	MG	DA	3040	1/1	0.98	0.23	14,14,14,14	0
59	MG	DA	3726	1/1	0.98	0.08	1,1,1,1	0
59	MG	AA	3501	1/1	0.98	0.14	24,24,24,24	0
59	MG	AA	3078	1/1	0.98	0.24	44,44,44,44	0
59	MG	AA	3940	1/1	0.98	0.31	61,61,61,61	0
59	MG	AA	3017	1/1	0.98	0.35	29,29,29,29	0
59	MG	DA	3731	1/1	0.98	0.09	35,35,35,35	0
59	MG	AA	3217	1/1	0.98	0.44	57,57,57,57	0
59	MG	AA	3140	1/1	0.98	0.21	57,57,57,57	0
59	MG	AA	3507	1/1	0.98	0.21	30,30,30,30	0
59	MG	DA	4439	1/1	0.98	0.10	58,58,58,58	0
59	MG	DA	4835	1/1	0.98	0.11	65,65,65,65	0
59	MG	DA	4251	1/1	0.98	0.15	51,51,51,51	0
59	MG	DA	4441	1/1	0.98	0.17	62,62,62,62	0
59	MG	DA	3893	1/1	0.98	0.17	7,7,7,7	0
59	MG	DA	4443	1/1	0.98	0.56	36,36,36,36	0
59	MG	AE	301	1/1	0.98	0.18	35,35,35,35	0
59	MG	DA	4069	1/1	0.98	0.11	24,24,24,24	0
59	MG	DA	3895	1/1	0.98	0.24	14,14,14,14	0
59	MG	DA	3444	1/1	0.98	0.36	56,56,56,56	0
59	MG	DA	3585	1/1	0.98	0.28	10,10,10,10	0
59	MG	DA	3052	1/1	0.98	0.14	19,19,19,19	0
59	MG	DA	3899	1/1	0.98	0.20	8,8,8,8	0
59	MG	AA	3465	1/1	0.98	0.07	28,28,28,28	0
59	MG	DA	4076	1/1	0.98	0.11	27,27,27,27	0
59	MG	AE	303	1/1	0.98	0.23	39,39,39,39	0
59	MG	BA	1826	1/1	0.98	0.08	75,75,75,75	0
59	MG	DA	3057	1/1	0.98	0.23	6,6,6,6	0
59	MG	D1	203	1/1	0.98	0.10	42,42,42,42	0
59	MG	DA	3059	1/1	0.98	0.13	8,8,8,8	0
59	MG	DA	3744	1/1	0.98	0.11	58,58,58,58	0
59	MG	DA	3185	1/1	0.98	0.25	54,54,54,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3466	1/1	0.98	0.03	37,37,37,37	0
59	MG	DA	5064	1/1	0.98	0.12	61,61,61,61	0
59	MG	DA	4460	1/1	0.98	0.14	61,61,61,61	0
59	MG	AA	3741	1/1	0.98	0.22	63,63,63,63	0
59	MG	DA	4270	1/1	0.98	0.18	46,46,46,46	0
59	MG	AA	3600	1/1	0.98	0.09	46,46,46,46	0
59	MG	DA	3063	1/1	0.98	0.38	23,23,23,23	0
59	MG	D2	202	1/1	0.98	0.20	52,52,52,52	0
59	MG	CA	1687	1/1	0.98	0.20	46,46,46,46	0
59	MG	AA	3046	1/1	0.98	0.34	38,38,38,38	0
59	MG	DA	3753	1/1	0.98	0.07	62,62,62,62	0
59	MG	DA	4090	1/1	0.98	0.06	52,52,52,52	0
59	MG	CA	1606	1/1	0.98	0.13	22,22,22,22	0
59	MG	DA	3068	1/1	0.98	0.18	15,15,15,15	0
59	MG	DA	3602	1/1	0.98	0.36	61,61,61,61	0
59	MG	CA	1607	1/1	0.98	0.21	20,20,20,20	0
59	MG	DB	201	1/1	0.98	0.35	25,25,25,25	0
59	MG	DA	4666	1/1	0.98	0.36	60,60,60,60	0
59	MG	DA	3070	1/1	0.98	0.25	24,24,24,24	0
59	MG	DA	3071	1/1	0.98	0.21	13,13,13,13	0
59	MG	DA	4283	1/1	0.98	0.13	63,63,63,63	0
59	MG	DA	3072	1/1	0.98	0.29	9,9,9,9	0
59	MG	CA	1779	1/1	0.98	0.31	38,38,38,38	0
59	MG	AF	304	1/1	0.98	0.28	42,42,42,42	0
59	MG	DA	4479	1/1	0.98	0.07	50,50,50,50	0
59	MG	DT	103	1/1	0.98	0.21	40,40,40,40	0
59	MG	AA	3793	1/1	0.98	0.44	63,63,63,63	0
59	MG	BA	2254	1/1	0.98	0.08	53,53,53,53	0
59	MG	AA	3177	1/1	0.98	0.19	26,26,26,26	0
59	MG	DA	4882	1/1	0.98	0.16	74,74,74,74	0
59	MG	AA	3896	1/1	0.98	0.13	99,99,99,99	0
59	MG	DA	4291	1/1	0.98	0.13	58,58,58,58	0
59	MG	BA	1904	1/1	0.98	0.21	38,38,38,38	0
59	MG	DA	3080	1/1	0.98	0.37	31,31,31,31	0
59	MG	DA	4887	1/1	0.98	0.16	87,87,87,87	0
59	MG	AA	3513	1/1	0.98	0.29	28,28,28,28	0
59	MG	DB	221	1/1	0.98	0.17	35,35,35,35	0
59	MG	CA	1874	1/1	0.98	0.08	55,55,55,55	0
59	MG	BA	2259	1/1	0.98	0.18	101,101,101,101	0
59	MG	CA	1876	1/1	0.98	0.12	79,79,79,79	0
59	MG	BA	1836	1/1	0.98	0.07	57,57,57,57	0
59	MG	DA	3774	1/1	0.98	0.13	37,37,37,37	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3936	1/1	0.98	0.08	61,61,61,61	0
59	MG	DA	3477	1/1	0.98	0.24	171,171,171,171	0
59	MG	DA	3776	1/1	0.98	0.12	46,46,46,46	0
59	MG	DA	3478	1/1	0.98	0.10	18,18,18,18	0
59	MG	AA	3251	1/1	0.98	0.18	24,24,24,24	0
59	MG	DA	3212	1/1	0.98	0.20	30,30,30,30	0
59	MG	AB	205	1/1	0.98	0.07	54,54,54,54	0
59	MG	DA	3482	1/1	0.98	0.12	39,39,39,39	0
59	MG	DA	3782	1/1	0.98	0.10	38,38,38,38	0
59	MG	DA	4696	1/1	0.98	0.18	57,57,57,57	0
59	MG	DA	3092	1/1	0.98	0.12	3,3,3,3	0
59	MG	CA	1619	1/1	0.98	0.16	24,24,24,24	0
59	MG	AA	3069	1/1	0.98	0.12	29,29,29,29	0
59	MG	AA	3222	1/1	0.98	0.18	28,28,28,28	0
59	MG	BA	1842	1/1	0.98	0.06	92,92,92,92	0
59	MG	DA	3632	1/1	0.98	0.10	52,52,52,52	0
59	MG	AA	3472	1/1	0.98	0.17	59,59,59,59	0
59	MG	AA	3047	1/1	0.98	0.08	28,28,28,28	0
59	MG	AA	3095	1/1	0.98	0.18	18,18,18,18	0
59	MG	AA	3226	1/1	0.98	0.07	68,68,68,68	0
59	MG	DB	247	1/1	0.98	0.09	61,61,61,61	0
59	MG	DA	3354	1/1	0.98	0.16	66,66,66,66	0
59	MG	DA	3956	1/1	0.98	0.27	45,45,45,45	0
59	MG	DA	3101	1/1	0.98	0.33	45,45,45,45	0
59	MG	AA	3109	1/1	0.98	0.27	40,40,40,40	0
59	MG	DA	4517	1/1	0.98	0.23	97,97,97,97	0
59	MG	CA	1889	1/1	0.98	0.12	59,59,59,59	0
59	MG	DA	4714	1/1	0.98	0.17	87,87,87,87	0
59	MG	DA	3358	1/1	0.98	0.27	23,23,23,23	0
59	MG	DA	3798	1/1	0.98	0.18	30,30,30,30	0
59	MG	AA	3523	1/1	0.98	0.23	42,42,42,42	0
59	MG	DA	3963	1/1	0.98	0.15	59,59,59,59	0
59	MG	DA	3105	1/1	0.98	0.19	16,16,16,16	0
59	MG	DA	3965	1/1	0.98	0.07	78,78,78,78	0
59	MG	CA	1713	1/1	0.98	0.42	57,57,57,57	0
59	MG	DB	262	1/1	0.98	0.45	89,89,89,89	0
59	MG	CA	1629	1/1	0.98	0.22	34,34,34,34	0
59	MG	DA	4333	1/1	0.98	0.12	52,52,52,52	0
59	MG	AA	3230	1/1	0.98	0.17	51,51,51,51	0
59	MG	DA	3109	1/1	0.98	0.20	18,18,18,18	0
59	MG	BA	2273	1/1	0.98	0.16	94,94,94,94	0
59	MG	DA	3972	1/1	0.98	0.16	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
59	MG	AA	3316	1/1	0.98	0.10	47,47,47,47	0
59	MG	DA	3505	1/1	0.98	0.35	51,51,51,51	0
59	MG	AA	3203	1/1	0.98	0.12	40,40,40,40	0
59	MG	AA	3616	1/1	0.98	0.08	42,42,42,42	0
59	MG	AA	3859	1/1	0.98	0.18	80,80,80,80	0
59	MG	DA	4157	1/1	0.98	0.23	37,37,37,37	0
59	MG	CA	1809	1/1	0.98	0.24	82,82,82,82	0
59	MG	BE	302	1/1	0.98	0.09	59,59,59,59	0
59	MG	AA	3377	1/1	0.98	0.14	19,19,19,19	0
59	MG	CA	2085	1/1	0.98	0.16	58,58,58,58	0
59	MG	BA	1855	1/1	0.98	0.23	76,76,76,76	0
59	MG	DA	3244	1/1	0.98	0.15	97,97,97,97	0
59	MG	DD	305	1/1	0.98	0.68	78,78,78,78	0
59	MG	AA	3378	1/1	0.98	0.12	50,50,50,50	0
59	MG	CA	1640	1/1	0.98	0.05	28,28,28,28	0
59	MG	AA	3232	1/1	0.98	0.08	25,25,25,25	0
59	MG	DA	4169	1/1	0.98	0.29	71,71,71,71	0
59	MG	DA	3379	1/1	0.98	0.16	36,36,36,36	0
59	MG	AA	3348	1/1	0.98	0.13	26,26,26,26	0
59	MG	BA	1791	1/1	0.98	0.10	55,55,55,55	0
59	MG	DA	3125	1/1	0.98	0.49	37,37,37,37	0
60	ZN	CQ	101	1/1	0.98	0.09	114,114,114,114	0
59	MG	AA	3531	1/1	0.98	0.26	26,26,26,26	0
59	MG	DD	314	1/1	0.99	0.74	32,32,32,32	0
59	MG	DA	4850	1/1	0.99	0.15	38,38,38,38	0
59	MG	DA	3529	1/1	0.99	0.30	84,84,84,84	0
59	MG	AA	3522	1/1	0.99	0.04	14,14,14,14	0
59	MG	AA	3228	1/1	0.99	0.06	53,53,53,53	0
59	MG	AA	3138	1/1	0.99	0.17	19,19,19,19	0
59	MG	DA	4959	1/1	0.99	0.15	45,45,45,45	0
59	MG	DA	4167	1/1	0.99	0.28	44,44,44,44	0
59	MG	DA	3024	1/1	0.99	0.20	9,9,9,9	0
59	MG	DA	3991	1/1	0.99	0.07	96,96,96,96	0
59	MG	D2	203	1/1	0.99	0.19	57,57,57,57	0
59	MG	CA	1762	1/1	0.99	0.11	49,49,49,49	0
59	MG	AA	3504	1/1	0.99	0.16	31,31,31,31	0
59	MG	DA	4172	1/1	0.99	0.23	41,41,41,41	0
59	MG	DA	3082	1/1	0.99	0.23	27,27,27,27	0
59	MG	AA	3147	1/1	0.99	0.12	60,60,60,60	0
59	MG	AA	3015	1/1	0.99	0.15	19,19,19,19	0
59	MG	CA	2039	1/1	0.99	0.11	66,66,66,66	0
59	MG	DA	3086	1/1	0.99	0.19	17,17,17,17	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	DA	3087	1/1	0.99	0.17	15,15,15,15	0
59	MG	DA	3030	1/1	0.99	0.20	3,3,3,3	0
59	MG	DA	3089	1/1	0.99	0.36	23,23,23,23	0
59	MG	DA	4002	1/1	0.99	0.15	42,42,42,42	0
59	MG	AA	3009	1/1	0.99	0.16	18,18,18,18	0
59	MG	DA	3618	1/1	0.99	0.11	14,14,14,14	0
59	MG	DB	206	1/1	0.99	0.04	34,34,34,34	0
59	MG	DA	4091	1/1	0.99	0.10	42,42,42,42	0
59	MG	DA	4873	1/1	0.99	0.17	49,49,49,49	0
59	MG	CA	1671	1/1	0.99	0.32	24,24,24,24	0
59	MG	DA	3033	1/1	0.99	0.28	13,13,13,13	0
59	MG	DA	4772	1/1	0.99	0.11	46,46,46,46	0
59	MG	DA	3925	1/1	0.99	0.06	25,25,25,25	0
59	MG	DA	3034	1/1	0.99	0.24	11,11,11,11	0
59	MG	DA	3697	1/1	0.99	0.18	6,6,6,6	0
59	MG	AA	3489	1/1	0.99	0.30	63,63,63,63	0
59	MG	DA	4191	1/1	0.99	0.21	48,48,48,48	0
59	MG	AA	3509	1/1	0.99	0.16	19,19,19,19	0
59	MG	AA	3133	1/1	0.99	0.10	25,25,25,25	0
59	MG	AA	3112	1/1	0.99	0.18	102,102,102,102	0
59	MG	AA	3053	1/1	0.99	0.15	30,30,30,30	0
59	MG	AA	3916	1/1	0.99	0.15	93,93,93,93	0
59	MG	BA	1747	1/1	0.99	0.18	50,50,50,50	0
59	MG	AA	3459	1/1	0.99	0.32	30,30,30,30	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	AA	3577	1/1	0.99	0.08	80,80,80,80	0
59	MG	CA	2015	1/1	0.99	0.10	57,57,57,57	0
59	MG	DA	3420	1/1	0.99	0.32	51,51,51,51	0
59	MG	CA	1711	1/1	0.99	0.13	62,62,62,62	0
59	MG	DA	4023	1/1	0.99	0.09	41,41,41,41	0
59	MG	DA	4111	1/1	0.99	0.09	54,54,54,54	0
59	MG	DA	3047	1/1	0.99	0.18	1,1,1,1	0
59	MG	DA	4025	1/1	0.99	0.07	48,48,48,48	0
59	MG	CA	2125	1/1	0.99	0.28	79,79,79,79	0
59	MG	DA	3563	1/1	0.99	0.14	44,44,44,44	0
59	MG	AA	3129	1/1	0.99	0.14	31,31,31,31	0
59	MG	BA	2214	1/1	0.99	0.15	90,90,90,90	0
59	MG	DA	3292	1/1	0.99	0.11	48,48,48,48	0
59	MG	DA	3051	1/1	0.99	0.23	17,17,17,17	0
59	MG	AA	3223	1/1	0.99	0.15	14,14,14,14	0
59	MG	DA	3001	1/1	0.99	0.25	8,8,8,8	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	AA	3190	1/1	0.99	0.21	26,26,26,26	0
59	MG	DA	4312	1/1	0.99	0.20	49,49,49,49	0
59	MG	DA	3297	1/1	0.99	0.20	27,27,27,27	0
59	MG	AA	3267	1/1	0.99	0.09	49,49,49,49	0
59	MG	DA	3056	1/1	0.99	0.21	12,12,12,12	0
59	MG	DA	4220	1/1	0.99	0.10	40,40,40,40	0
59	MG	AA	3191	1/1	0.99	0.28	31,31,31,31	0
59	MG	DA	3058	1/1	0.99	0.19	15,15,15,15	0
59	MG	CA	2243	1/1	0.99	0.12	53,53,53,53	0
59	MG	DA	3437	1/1	0.99	0.15	47,47,47,47	0
59	MG	DA	4711	1/1	0.99	0.15	94,94,94,94	0
59	MG	DA	3239	1/1	0.99	0.35	37,37,37,37	0
59	MG	CA	2244	1/1	0.99	0.18	126,126,126,126	0
59	MG	DA	3007	1/1	0.99	0.33	10,10,10,10	0
59	MG	DA	3242	1/1	0.99	0.25	18,18,18,18	0
59	MG	AA	3057	1/1	0.99	0.19	49,49,49,49	0
59	MG	DA	3583	1/1	0.99	0.21	3,3,3,3	0
59	MG	DA	3886	1/1	0.99	0.04	48,48,48,48	0
59	MG	DA	4049	1/1	0.99	0.20	33,33,33,33	0
59	MG	DA	4138	1/1	0.99	0.11	54,54,54,54	0
59	MG	DO	215	1/1	0.99	0.09	41,41,41,41	0
59	MG	DA	3009	1/1	0.99	0.18	10,10,10,10	0
59	MG	DA	3966	1/1	0.99	0.09	41,41,41,41	0
59	MG	AA	3227	1/1	0.99	0.14	30,30,30,30	0
59	MG	AA	3926	1/1	0.99	0.11	52,52,52,52	0
59	MG	DA	5036	1/1	0.99	0.22	52,52,52,52	0
59	MG	DA	4725	1/1	0.99	0.21	56,56,56,56	0
59	MG	BA	2025	1/1	0.99	0.17	90,90,90,90	0
59	MG	DA	4144	1/1	0.99	0.31	45,45,45,45	0
59	MG	DA	3067	1/1	0.99	0.40	14,14,14,14	0
59	MG	DA	4729	1/1	0.99	0.36	39,39,39,39	0
59	MG	DA	3589	1/1	0.99	0.14	7,7,7,7	0
59	MG	DA	4434	1/1	0.99	0.18	59,59,59,59	0
59	MG	AA	3483	1/1	0.99	0.42	65,65,65,65	0
59	MG	DA	4058	1/1	0.99	0.13	81,81,81,81	0
59	MG	DA	3973	1/1	0.99	0.13	60,60,60,60	0
59	MG	DA	3380	1/1	0.99	0.13	55,55,55,55	0
59	MG	DA	3014	1/1	0.99	0.37	7,7,7,7	0
59	MG	DA	3129	1/1	0.99	0.22	14,14,14,14	0
59	MG	DA	3316	1/1	0.99	0.11	43,43,43,43	0
59	MG	BA	1837	1/1	0.99	0.10	88,88,88,88	0
59	MG	DA	3016	1/1	0.99	0.17	4,4,4,4	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
59	MG	CA	1724	1/1	0.99	0.20	45,45,45,45	0
59	MG	AA	3696	1/1	0.99	0.15	47,47,47,47	0
59	MG	DA	3749	1/1	0.99	0.05	92,92,92,92	0
60	ZN	BG	308	1/1	0.99	0.25	71,71,71,71	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	3323	1/1	0.99	0.21	41,41,41,41	0
59	MG	DA	4162	1/1	0.99	0.28	59,59,59,59	0
59	MG	DA	3650	1/1	1.00	0.17	37,37,37,37	0

6.5 Other polymers [i](#)

There are no such residues in this entry.