



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 17, 2026 – 08:18 AM UTC

PDB ID : 5F8K / pdb_00005f8k
Title : Crystal structure of the Bac7(1-16) antimicrobial peptide bound to the Thermus thermophilus 70S ribosome
Authors : Seefeldt, A.C.; Graf, M.; Perebaskine, N.; Nguyen, F.; Arenz, S.; Mardirossian, M.; Scocchi, M.; Wilson, D.N.; Innis, C.A.
Deposited on : 2015-12-09
Resolution : 2.80 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	:	FAILED
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.48.1

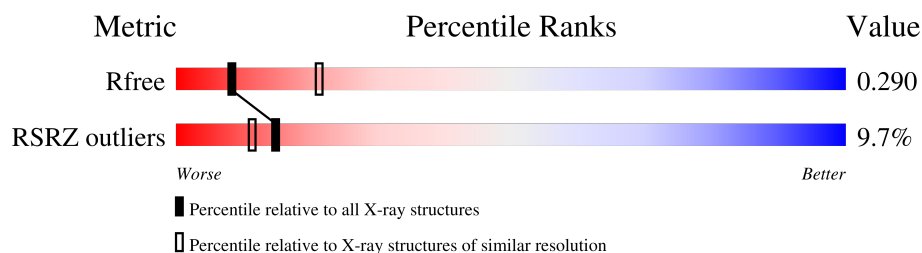
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.80 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}	164625	3657 (2.80-2.80)
RSRZ outliers	164620	3659 (2.80-2.80)

MolProbity failed to run properly - the sequence quality summary graphics cannot be shown.

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
56	MG	2A	3079	-	-	-	X
56	MG	2A	3131	-	-	-	X
56	MG	2A	3719	-	-	-	X
56	MG	2A	3742	-	-	-	X
56	MG	2a	1718	-	-	-	X
56	MG	2a	1752	-	-	-	X

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 296108 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			
1	2A	2867	Total	C	N	O	P	0	0	0
			61761	27491	11552	19852	2866			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2575	1145	476	834	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2571	1146	476	831	118			

- Molecule 3 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			

- Molecule 4 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	1E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			
4	2E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			

- Molecule 5 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1580	1007	297	274	2			

- Molecule 6 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	1G	181	Total	C	N	O	S	0	0	0
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	4			

- Molecule 7 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	1H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
7	2H	173	Total	C	N	O	S	0	0	0
			1324	842	247	234	1			

- Molecule 8 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1076	687	186	202	1			

- Molecule 9 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			
9	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

- Molecule 10 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	2O	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	1P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			
11	2P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

- Molecule 12 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	1Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
12	2Q	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	1R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
13	2R	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	1S	110	Total	C	N	O	0	0	0
			877	553	175	149			
14	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

- Molecule 15 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	1T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
15	2T	131	Total	C	N	O	S	0	0	0
			1083	675	224	183	1			

- Molecule 16 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	1U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
16	2U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			

- Molecule 17 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

- Molecule 18 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	1W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			
18	2W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			

- Molecule 19 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	1X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
19	2X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 20 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Y	107	Total	C	N	O	S	0	0	0
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			

- Molecule 21 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	2Z	201	Total	C	N	O	S	0	0	0
			1557	995	274	286	2			

- Molecule 22 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			
22	20	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			

- Molecule 23 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			759	478	149	131	1			

- Molecule 24 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
24	22	70	Total	C	N	O	S	0	0	0
			592	368	119	103	2			

- Molecule 25 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
25	13	59	Total	C	N	O	0	0	0
			469	298	90	81			
25	23	59	Total	C	N	O	0	0	0
			464	296	90	78			

- Molecule 26 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	14	69	Total	C	N	O	S	0	0	0
			546	346	96	99	5			

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			536	342	98	91	5			

- Molecule 27 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	15	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

- Molecule 28 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	16	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
28	26	53	Total	C	N	O	S	0	0	0
			449	279	91	75	4			

- Molecule 29 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	17	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
29	27	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 30 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	18	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
30	28	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

- Molecule 31 is a protein called 50S ribosomal protein L36.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	19	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
31	29	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 32 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1504	Total	C	N	O	P	0	0	0
			32331	14396	5990	10441	1504			

- Molecule 33 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

- Molecule 34 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1c	206	Total	C	N	O	S	0	0	0
			1558	979	305	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

- Molecule 35 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1d	208	Total	C	N	O	S	0	0	0
			1665	1043	329	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1668	1047	330	284	7			

- Molecule 36 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			
36	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 37 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			
37	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

- Molecule 38 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1229	766	241	216	6			

- Molecule 39 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

- Molecule 40 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1i	127	Total	C	N	O	0	0	0
			986	625	193	168			
40	2i	126	Total	C	N	O	0	0	0
			966	613	186	167			

- Molecule 41 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			719	446	142	131			
41	2j	96	Total	C	N	O	0	0	0
			710	442	137	131			

- Molecule 42 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1k	114	Total	C	N	O	S	0	0	0
			834	520	156	155	3			

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	2k	114	Total	C	N	O	S	0	0	0
			833	519	156	155	3			

- Molecule 43 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	1l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			
43	2l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			

- Molecule 44 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1m	116	Total	C	N	O	S	0	0	0
			914	564	189	159	2			
44	2m	114	Total	C	N	O	S	0	0	0
			895	550	186	157	2			

- Molecule 45 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	1n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
45	2n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 46 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	1o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			
46	2o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			

- Molecule 47 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
47	2p	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

- Molecule 48 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	1q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
48	2q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 49 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	1r	68	Total	C	N	O		0	0	0
			555	355	108	92				
49	2r	68	Total	C	N	O		0	0	0
			555	355	108	92				

- Molecule 50 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1s	83	Total	C	N	O	S	0	0	0
			648	415	120	111	2			
50	2s	83	Total	C	N	O	S	0	0	0
			645	410	118	115	2			

- Molecule 51 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1t	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			
51	2t	98	Total	C	N	O	S	0	0	0
			733	451	154	126	2			

- Molecule 52 is a protein called 30S ribosomal protein Thx.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
52	1u	23	Total	C	N	O	0	0	0
			199	122	48	29			
52	2u	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 53 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1v	3	Total	C	N	O	P	0	0	0
			65	29	12	21	3			
53	2v	3	Total	C	N	O	P	0	0	0
			65	29	12	21	3			

- Molecule 54 is a RNA chain called tRNAiMet.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			
54	2x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			

- Molecule 55 is a protein called Cathelicidin-3.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	1y	16	Total	C	N	O	0	0	0
			147	90	40	17			
55	2y	16	Total	C	N	O	0	0	0
			147	90	40	17			

- Molecule 56 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	973	Total	Mg	0	0
			973	973		
56	1B	27	Total	Mg	0	0
			27	27		
56	1D	14	Total	Mg	0	0
			14	14		
56	1E	7	Total	Mg	0	0
			7	7		
56	1F	10	Total	Mg	0	0
			10	10		
56	1G	3	Total	Mg	0	0
			3	3		
56	1H	2	Total	Mg	0	0
			2	2		
56	1N	4	Total	Mg	0	0
			4	4		
56	1P	4	Total	Mg	0	0
			4	4		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Q	6	Total 6	Mg 6	0	0
56	1R	4	Total 4	Mg 4	0	0
56	1S	1	Total 1	Mg 1	0	0
56	1T	1	Total 1	Mg 1	0	0
56	1U	3	Total 3	Mg 3	0	0
56	1V	3	Total 3	Mg 3	0	0
56	1W	3	Total 3	Mg 3	0	0
56	1X	1	Total 1	Mg 1	0	0
56	10	8	Total 8	Mg 8	0	0
56	11	2	Total 2	Mg 2	0	0
56	13	2	Total 2	Mg 2	0	0
56	15	7	Total 7	Mg 7	0	0
56	17	2	Total 2	Mg 2	0	0
56	18	1	Total 1	Mg 1	0	0
56	19	3	Total 3	Mg 3	0	0
56	1a	240	Total 240	Mg 240	0	0
56	1b	1	Total 1	Mg 1	0	0
56	1d	5	Total 5	Mg 5	0	0
56	1e	1	Total 1	Mg 1	0	0
56	1f	1	Total 1	Mg 1	0	0
56	1g	1	Total 1	Mg 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1h	1	Total 1	Mg 1	0	0
56	1i	1	Total 1	Mg 1	0	0
56	1l	3	Total 3	Mg 3	0	0
56	1n	1	Total 1	Mg 1	0	0
56	1o	2	Total 2	Mg 2	0	0
56	1q	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1x	13	Total 13	Mg 13	0	0
56	2A	986	Total 986	Mg 986	0	0
56	2B	25	Total 25	Mg 25	0	0
56	2D	17	Total 17	Mg 17	0	0
56	2E	6	Total 6	Mg 6	0	0
56	2F	9	Total 9	Mg 9	0	0
56	2G	3	Total 3	Mg 3	0	0
56	2H	2	Total 2	Mg 2	0	0
56	2N	3	Total 3	Mg 3	0	0
56	2P	3	Total 3	Mg 3	0	0
56	2Q	4	Total 4	Mg 4	0	0
56	2R	2	Total 2	Mg 2	0	0
56	2S	1	Total 1	Mg 1	0	0
56	2U	7	Total 7	Mg 7	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2V	1	Total 1	Mg 1	0	0
56	2W	1	Total 1	Mg 1	0	0
56	2X	2	Total 2	Mg 2	0	0
56	2Y	2	Total 2	Mg 2	0	0
56	20	5	Total 5	Mg 5	0	0
56	23	2	Total 2	Mg 2	0	0
56	25	3	Total 3	Mg 3	0	0
56	27	2	Total 2	Mg 2	0	0
56	28	1	Total 1	Mg 1	0	0
56	29	2	Total 2	Mg 2	0	0
56	2a	221	Total 221	Mg 221	0	0
56	2b	1	Total 1	Mg 1	0	0
56	2d	4	Total 4	Mg 4	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	2g	1	Total 1	Mg 1	0	0
56	2h	2	Total 2	Mg 2	0	0
56	2i	1	Total 1	Mg 1	0	0
56	2j	1	Total 1	Mg 1	0	0
56	2l	2	Total 2	Mg 2	0	0
56	2n	1	Total 1	Mg 1	0	0

Continued on next page...

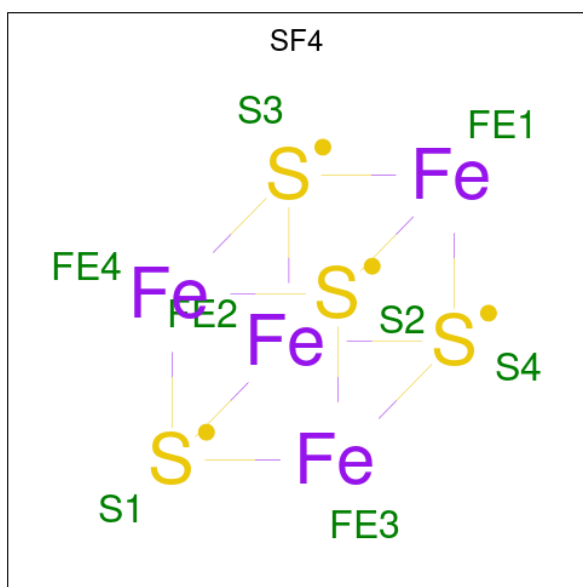
Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2o	1	Total 1	Mg 1	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2v	1	Total 1	Mg 1	0	0
56	2x	12	Total 12	Mg 12	0	0

- Molecule 57 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1Y	1	Total 1	Zn 1	0	0
57	14	1	Total 1	Zn 1	0	0
57	15	1	Total 1	Zn 1	0	0
57	16	1	Total 1	Zn 1	0	0
57	19	1	Total 1	Zn 1	0	0
57	1n	1	Total 1	Zn 1	0	0
57	2Y	1	Total 1	Zn 1	0	0
57	24	1	Total 1	Zn 1	0	0
57	25	1	Total 1	Zn 1	0	0
57	26	1	Total 1	Zn 1	0	0
57	29	1	Total 1	Zn 1	0	0
57	2n	1	Total 1	Zn 1	0	0

- Molecule 58 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
58	1d	1	Total	Fe	S	0	0
			8	4	4		
58	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 59 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
59	1x	1	Total	K	0	0
			1	1		
59	2A	1	Total	K	0	0
			1	1		

- Molecule 60 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1A	1795	Total	O	0	0
			1795	1795		
60	1B	49	Total	O	0	0
			49	49		
60	1D	23	Total	O	0	0
			23	23		
60	1E	16	Total	O	0	0
			16	16		
60	1F	9	Total	O	0	0
			9	9		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1G	2	Total 2	O 2	0	0
60	1H	4	Total 4	O 4	0	0
60	1N	8	Total 8	O 8	0	0
60	1P	14	Total 14	O 14	0	0
60	1Q	6	Total 6	O 6	0	0
60	1R	6	Total 6	O 6	0	0
60	1T	5	Total 5	O 5	0	0
60	1U	3	Total 3	O 3	0	0
60	1V	6	Total 6	O 6	0	0
60	1W	1	Total 1	O 1	0	0
60	1X	6	Total 6	O 6	0	0
60	1Y	4	Total 4	O 4	0	0
60	10	5	Total 5	O 5	0	0
60	11	5	Total 5	O 5	0	0
60	13	1	Total 1	O 1	0	0
60	15	3	Total 3	O 3	0	0
60	16	1	Total 1	O 1	0	0
60	17	2	Total 2	O 2	0	0
60	18	8	Total 8	O 8	0	0
60	19	2	Total 2	O 2	0	0
60	1a	408	Total 408	O 408	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1d	8	Total 8	O 8	0	0
60	1e	3	Total 3	O 3	0	0
60	1f	1	Total 1	O 1	0	0
60	1h	1	Total 1	O 1	0	0
60	1j	1	Total 1	O 1	0	0
60	1l	4	Total 4	O 4	0	0
60	1m	1	Total 1	O 1	0	0
60	1o	2	Total 2	O 2	0	0
60	1p	1	Total 1	O 1	0	0
60	1t	2	Total 2	O 2	0	0
60	1v	2	Total 2	O 2	0	0
60	1x	5	Total 5	O 5	0	0
60	1y	2	Total 2	O 2	0	0
60	2A	1787	Total 1787	O 1787	0	0
60	2B	46	Total 46	O 46	0	0
60	2D	20	Total 20	O 20	0	0
60	2E	15	Total 15	O 15	0	0
60	2F	11	Total 11	O 11	0	0
60	2G	2	Total 2	O 2	0	0
60	2H	4	Total 4	O 4	0	0
60	2N	8	Total 8	O 8	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2P	17	Total 17	O 17	0	0
60	2Q	4	Total 4	O 4	0	0
60	2R	6	Total 6	O 6	0	0
60	2T	4	Total 4	O 4	0	0
60	2U	5	Total 5	O 5	0	0
60	2V	3	Total 3	O 3	0	0
60	2W	1	Total 1	O 1	0	0
60	2X	5	Total 5	O 5	0	0
60	2Y	8	Total 8	O 8	0	0
60	20	9	Total 9	O 9	0	0
60	21	2	Total 2	O 2	0	0
60	23	2	Total 2	O 2	0	0
60	25	2	Total 2	O 2	0	0
60	26	1	Total 1	O 1	0	0
60	27	2	Total 2	O 2	0	0
60	28	9	Total 9	O 9	0	0
60	29	4	Total 4	O 4	0	0
60	2a	408	Total 408	O 408	0	0
60	2d	7	Total 7	O 7	0	0
60	2e	4	Total 4	O 4	0	0
60	2f	1	Total 1	O 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2h	1	Total	O	0	0
			1	1		
60	2j	2	Total	O	0	0
			2	2		
60	2l	7	Total	O	0	0
			7	7		
60	2m	1	Total	O	0	0
			1	1		
60	2n	1	Total	O	0	0
			1	1		
60	2t	1	Total	O	0	0
			1	1		
60	2v	3	Total	O	0	0
			3	3		
60	2x	4	Total	O	0	0
			4	4		
60	2y	4	Total	O	0	0
			4	4		

MolProbity failed to run properly - this section is therefore empty.

3 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.96Å 450.13Å 622.82Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	48.62 – 2.80 48.62 – 2.80	Depositor EDS
% Data completeness (in resolution range)	99.5 (48.62-2.80) 99.6 (48.62-2.80)	Depositor EDS
R_{merge}	0.51	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.14 (at 2.81Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.249 , 0.292 0.248 , 0.290	Depositor DCC
R_{free} test set	70217 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å ²)	42.0	Xtriage
Anisotropy	0.182	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 54.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.38$, $\langle L^2 \rangle = 0.20$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.84	EDS
Total number of atoms	296108	wwPDB-VP
Average B, all atoms (Å ²)	44.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.60% 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.

4 Model quality [i](#)

4.1 Standard geometry [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.2 Too-close contacts [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.2 Protein sidechains [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.3 RNA [i](#)

MolProbity failed to run properly - this section is therefore empty.

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

56 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	$\# Z > 2$
32	M2G	1a	966	32	20,27,28	2.85	6 (30%)	19,40,43	1.28	4 (21%)
1	2MA	2A	2503	1,56	18,25,26	2.51	4 (22%)	20,37,40	2.56	4 (20%)
1	OMG	1A	2263	54,1	19,26,27	1.88	7 (36%)	21,38,41	1.55	5 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OMU	2A	2552	1,56	19,22,23	6.82	10 (52%)	25,31,34	2.45	7 (28%)
54	5MC	1x	32	54	19,22,23	1.10	3 (15%)	26,32,35	1.27	3 (11%)
32	5MC	1a	1400	32	19,22,23	0.89	1 (5%)	26,32,35	1.26	4 (15%)
32	4OC	2a	1402	32	20,23,24	2.51	8 (40%)	25,32,35	1.59	3 (12%)
54	5MU	1x	54	54	19,22,23	0.85	1 (5%)	27,32,35	1.16	2 (7%)
32	5MC	1a	967	32	19,22,23	1.18	2 (10%)	26,32,35	1.23	4 (15%)
54	4SU	1x	8	54	18,21,22	1.28	1 (5%)	25,30,33	0.89	1 (4%)
1	PSU	1A	1933	1	18,21,22	1.11	2 (11%)	21,30,33	1.76	5 (23%)
43	0TD	2l	92	43	8,9,10	2.18	2 (25%)	6,11,13	2.89	4 (66%)
32	PSU	1a	516	32	18,21,22	1.49	3 (16%)	21,30,33	2.48	6 (28%)
1	OMC	2A	1920	1	19,22,23	2.47	7 (36%)	25,31,34	0.96	1 (4%)
32	2MG	1a	1207	32	18,26,27	2.00	5 (27%)	16,38,41	1.75	4 (25%)
32	UR3	2a	1498	32	19,22,23	2.07	4 (21%)	26,32,35	1.59	4 (15%)
1	5MU	1A	1937	1	19,22,23	1.16	1 (5%)	27,32,35	1.50	5 (18%)
1	5MC	2A	1942	1	19,22,23	1.07	1 (5%)	26,32,35	1.33	5 (19%)
1	5MU	2A	1939	1	19,22,23	1.06	2 (10%)	27,32,35	1.25	2 (7%)
1	5MC	1A	1984	1,56	19,22,23	0.99	2 (10%)	26,32,35	1.41	5 (19%)
1	PSU	2A	1917	1	18,21,22	1.33	3 (16%)	21,30,33	1.63	6 (28%)
32	5MC	2a	1404	32	19,22,23	0.91	1 (5%)	26,32,35	1.29	5 (19%)
32	4OC	1a	1402	32	20,23,24	2.47	8 (40%)	25,32,35	0.98	2 (8%)
32	M2G	2a	966	32	20,27,28	3.03	6 (30%)	19,40,43	1.36	3 (15%)
32	7MG	1a	527	32,56	23,26,27	2.21	7 (30%)	27,39,42	2.07	9 (33%)
1	PSU	2A	1911	1	18,21,22	1.33	3 (16%)	21,30,33	1.70	4 (19%)
32	PSU	2a	516	32	18,21,22	1.36	3 (16%)	21,30,33	2.05	6 (28%)
32	2MG	2a	1207	32	18,26,27	1.89	5 (27%)	16,38,41	1.39	3 (18%)
1	2MA	1A	2515	1,56	18,25,26	2.48	4 (22%)	20,37,40	2.89	4 (20%)
32	5MC	2a	1407	32	19,22,23	1.12	3 (15%)	26,32,35	1.16	3 (11%)
32	MA6	1a	1518	32	19,26,27	1.78	3 (15%)	18,38,41	4.64	4 (22%)
32	UR3	1a	1498	32	19,22,23	2.03	3 (15%)	26,32,35	1.79	5 (19%)
32	MA6	1a	1519	32	19,26,27	1.63	3 (15%)	18,38,41	4.96	4 (22%)
32	5MC	2a	967	32	19,22,23	0.90	0	26,32,35	1.32	4 (15%)
54	PSU	2x	55	54,56	18,21,22	1.54	3 (16%)	21,30,33	1.65	5 (23%)
32	5MC	1a	1404	32	19,22,23	0.95	1 (5%)	26,32,35	1.19	4 (15%)
54	5MC	2x	32	54	19,22,23	1.09	3 (15%)	26,32,35	1.22	4 (15%)
54	PSU	1x	55	54	18,21,22	1.53	3 (16%)	21,30,33	1.60	1 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	5MU	2A	1915	1	19,22,23	1.26	2 (10%)	27,32,35	1.37	4 (14%)
32	7MG	2a	527	32	23,26,27	2.34	7 (30%)	27,39,42	1.99	9 (33%)
1	OMC	1A	1942	1	19,22,23	2.44	7 (36%)	25,31,34	0.94	1 (4%)
32	MA6	2a	1519	32	19,26,27	1.65	3 (15%)	18,38,41	4.86	4 (22%)
1	5MC	1A	1964	1,56	19,22,23	1.15	2 (10%)	26,32,35	1.30	3 (11%)
32	MA6	2a	1518	32	19,26,27	1.66	3 (15%)	18,38,41	4.81	4 (22%)
32	5MC	2a	1400	32	19,22,23	1.06	1 (5%)	26,32,35	1.27	4 (15%)
1	PSU	2A	2605	1	18,21,22	1.01	2 (11%)	21,30,33	1.64	5 (23%)
1	5MU	1A	1961	1	19,22,23	0.69	0	27,32,35	1.14	2 (7%)
1	OMG	2A	2251	54,1	19,26,27	1.83	6 (31%)	21,38,41	1.52	4 (19%)
1	OMU	1A	2564	1,56	19,22,23	6.83	10 (52%)	25,31,34	2.51	7 (28%)
1	5MC	2A	1962	1,56	19,22,23	1.12	2 (10%)	26,32,35	1.14	3 (11%)
54	5MU	2x	54	54	19,22,23	0.97	2 (10%)	27,32,35	1.09	2 (7%)
1	PSU	1A	1939	1,56	18,21,22	1.42	3 (16%)	21,30,33	1.63	3 (14%)
32	5MC	1a	1407	32	19,22,23	1.06	1 (5%)	26,32,35	1.33	5 (19%)
43	0TD	1l	92	43	8,9,10	3.52	3 (37%)	6,11,13	2.87	4 (66%)
1	PSU	1A	2617	1	18,21,22	1.17	1 (5%)	21,30,33	1.62	4 (19%)
54	4SU	2x	8	54	18,21,22	1.30	3 (16%)	25,30,33	1.08	1 (4%)

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
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
1	2MA	2A	2503	1,56	-	2/3/25/26	0/3/3/3
1	OMG	1A	2263	54,1	-	2/5/27/28	0/3/3/3
1	OMU	2A	2552	1,56	-	1/9/27/28	0/2/2/2
54	5MC	1x	32	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	1/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	2/9/29/30	0/2/2/2
54	5MU	1x	54	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	2/7/25/26	0/2/2/2
54	4SU	1x	8	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	5/7/12/14	-

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	PSU	1a	516	32	-	1/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	2/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1984	1,56	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	7MG	1a	527	32,56	-	2/7/37/38	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	1/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
1	2MA	1A	2515	1,56	-	1/3/25/26	0/3/3/3
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	4/7/29/30	0/3/3/3
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
54	PSU	2x	55	54,56	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	5MC	2x	32	54	-	0/7/25/26	0/2/2/2
54	PSU	1x	55	54	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	5/7/25/26	0/2/2/2
32	7MG	2a	527	32	-	2/7/37/38	0/3/3/3
1	OMC	1A	1942	1	-	1/9/27/28	0/2/2/2
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3
1	5MC	1A	1964	1,56	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1961	1	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	54,1	-	1/5/27/28	0/3/3/3
1	OMU	1A	2564	1,56	-	0/9/27/28	0/2/2/2
1	5MC	2A	1962	1,56	-	0/7/25/26	0/2/2/2
54	5MU	2x	54	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1,56	-	0/7/25/26	0/2/2/2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/7/12/14	-
1	PSU	1A	2617	1	-	0/7/25/26	0/2/2/2
54	4SU	2x	8	54	-	0/7/25/26	0/2/2/2

The worst 5 of 192 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2564	OMU	C5-C4	16.01	1.78	1.43
1	2A	2552	OMU	C5-C4	15.74	1.77	1.43
1	2A	2552	OMU	C4-N3	-15.40	1.12	1.38
1	1A	2564	OMU	C4-N3	-15.20	1.12	1.38
32	2a	966	M2G	C2-N3	10.52	1.45	1.30

The worst 5 of 223 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	1519	MA6	N1-C6-N6	-18.90	95.00	116.83
32	2a	1519	MA6	N1-C6-N6	-18.59	95.36	116.83
32	2a	1518	MA6	N1-C6-N6	-18.08	95.95	116.83
32	1a	1518	MA6	N1-C6-N6	-17.30	96.85	116.83
1	1A	2515	2MA	C1'-N9-C4	10.03	144.26	126.64

There are no chirality outliers.

5 of 44 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1937	5MU	O4'-C1'-N1-C2
1	1A	1937	5MU	O4'-C1'-N1-C6
1	1A	2263	OMG	C1'-C2'-O2'-CM2
32	1a	967	5MC	O4'-C4'-C5'-O5'
32	1a	1402	4OC	O4'-C4'-C5'-O5'

There are no ring outliers.

No monomer is involved in short contacts.

4.5 Carbohydrates

There are no oligosaccharides in this entry.

4.6 Ligand geometry [i](#)

Of 2719 ligands modelled in this entry, 2717 are monoatomic - leaving 2 for Mogul analysis.

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	$\# Z > 2$
58	SF4	2d	501	35	0,12,12	-	-	-		
58	SF4	1d	501	35	0,12,12	-	-	-		

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
58	SF4	2d	501	35	-	-	0/6/5/5
58	SF4	1d	501	35	-	-	0/6/5/5

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.

4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

5 Fit of model and data ⓘ

5.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2861/2915 (98%)	0.09	212 (7%) 22 17	6, 22, 80, 93	0
1	2A	2856/2915 (97%)	0.63	265 (9%) 16 12	19, 41, 80, 92	0
2	1B	120/120 (100%)	0.30	2 (1%) 69 61	18, 35, 49, 69	0
2	2B	120/120 (100%)	1.35	20 (16%) 5 5	43, 60, 69, 73	0
3	1D	275/275 (100%)	-0.20	3 (1%) 77 71	7, 23, 36, 52	0
3	2D	275/275 (100%)	0.25	7 (2%) 58 49	19, 36, 47, 63	0
4	1E	204/204 (100%)	-0.10	3 (1%) 71 64	7, 29, 47, 56	0
4	2E	204/204 (100%)	0.25	2 (0%) 79 73	19, 41, 55, 63	0
5	1F	203/203 (100%)	-0.07	2 (0%) 79 73	7, 28, 53, 70	0
5	2F	203/203 (100%)	0.64	7 (3%) 48 40	24, 50, 63, 73	0
6	1G	181/181 (100%)	0.57	10 (5%) 32 25	28, 44, 55, 69	0
6	2G	181/181 (100%)	1.74	57 (31%) 1 1	56, 65, 74, 77	0
7	1H	174/174 (100%)	0.21	3 (1%) 69 61	23, 38, 49, 54	0
7	2H	173/174 (99%)	1.29	28 (16%) 5 5	50, 62, 69, 71	0
8	1I	147/147 (100%)	0.66	3 (2%) 64 56	31, 54, 66, 70	0
8	2I	146/147 (99%)	0.98	12 (8%) 19 14	39, 58, 68, 76	0
9	1N	140/140 (100%)	0.01	3 (2%) 63 55	14, 26, 44, 58	0
9	2N	140/140 (100%)	0.52	6 (4%) 40 32	28, 47, 59, 63	0
10	1O	122/122 (100%)	-0.12	0 100 100	14, 26, 41, 49	0
10	2O	122/122 (100%)	0.48	4 (3%) 49 41	30, 40, 51, 56	0
11	1P	149/149 (100%)	-0.01	2 (1%) 74 67	7, 32, 48, 64	0
11	2P	149/149 (100%)	0.92	15 (10%) 14 10	24, 50, 64, 71	0
12	1Q	141/141 (100%)	0.07	4 (2%) 55 46	14, 26, 42, 59	0
12	2Q	141/141 (100%)	0.80	5 (3%) 47 39	31, 47, 57, 65	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.15	1 (0%) 82 77	14, 22, 36, 47	0
13	2R	118/118 (100%)	0.36	2 (1%) 69 61	25, 37, 46, 55	0
14	1S	110/110 (100%)	0.18	0 100 100	24, 36, 45, 51	0
14	2S	110/110 (100%)	1.32	21 (19%) 4 4	46, 55, 62, 66	0
15	1T	131/131 (100%)	0.28	3 (2%) 61 52	20, 33, 52, 64	0
15	2T	131/131 (100%)	0.41	2 (1%) 71 64	36, 44, 59, 65	0
16	1U	116/116 (100%)	-0.34	0 100 100	9, 17, 35, 49	0
16	2U	116/116 (100%)	0.67	4 (3%) 48 40	26, 45, 55, 66	0
17	1V	101/101 (100%)	-0.08	1 (0%) 79 73	8, 29, 44, 54	0
17	2V	101/101 (100%)	0.76	5 (4%) 35 28	32, 51, 59, 67	0
18	1W	112/112 (100%)	-0.24	0 100 100	10, 17, 36, 66	0
18	2W	112/112 (100%)	0.36	6 (5%) 32 25	25, 34, 48, 60	0
19	1X	95/95 (100%)	0.03	2 (2%) 63 55	13, 24, 43, 59	0
19	2X	95/95 (100%)	0.64	5 (5%) 33 26	35, 44, 57, 60	0
20	1Y	107/107 (100%)	0.29	1 (0%) 81 75	24, 34, 49, 61	0
20	2Y	107/107 (100%)	1.21	15 (14%) 7 7	44, 54, 62, 73	0
21	1Z	203/203 (100%)	0.92	19 (9%) 15 12	28, 47, 62, 78	0
21	2Z	201/203 (99%)	1.34	28 (13%) 7 7	46, 60, 68, 71	0
22	10	77/77 (100%)	0.34	3 (3%) 44 36	17, 23, 37, 41	0
22	20	77/77 (100%)	1.02	6 (7%) 20 16	39, 45, 54, 63	0
23	11	97/97 (100%)	0.43	5 (5%) 34 26	11, 31, 54, 58	0
23	21	97/97 (100%)	0.65	7 (7%) 23 17	28, 40, 58, 64	0
24	12	70/70 (100%)	0.24	4 (5%) 30 24	24, 34, 46, 56	0
24	22	70/70 (100%)	0.98	5 (7%) 23 18	42, 53, 63, 64	0
25	13	59/59 (100%)	0.09	0 100 100	15, 26, 49, 59	0
25	23	59/59 (100%)	0.58	2 (3%) 48 40	37, 46, 57, 63	0
26	14	69/69 (100%)	1.29	13 (18%) 4 4	35, 60, 72, 81	0
26	24	69/69 (100%)	1.95	28 (40%) 1 1	64, 72, 81, 84	0
27	15	59/59 (100%)	-0.07	2 (3%) 48 40	8, 23, 42, 51	0
27	25	59/59 (100%)	0.36	4 (6%) 25 19	23, 38, 52, 58	0
28	16	53/53 (100%)	-0.06	0 100 100	24, 29, 41, 50	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/53 (100%)	0.57	1 (1%) 66 58	34, 47, 56, 58	0
29	17	48/48 (100%)	-0.02	3 (6%) 27 21	8, 13, 34, 42	0
29	27	48/48 (100%)	0.40	4 (8%) 19 14	21, 28, 44, 58	0
30	18	64/64 (100%)	-0.22	0 100 100	15, 20, 28, 37	0
30	28	64/64 (100%)	0.84	8 (12%) 9 8	31, 39, 49, 54	0
31	19	37/37 (100%)	0.03	0 100 100	19, 28, 43, 49	0
31	29	37/37 (100%)	0.96	1 (2%) 56 47	39, 47, 54, 57	0
32	1a	1488/1520 (97%)	0.96	155 (10%) 13 10	20, 53, 76, 91	0
32	2a	1492/1520 (98%)	1.17	208 (13%) 7 7	32, 59, 77, 90	0
33	1b	231/231 (100%)	1.32	39 (16%) 5 5	50, 60, 69, 74	0
33	2b	231/231 (100%)	1.62	62 (26%) 2 2	54, 66, 71, 81	0
34	1c	206/206 (100%)	0.98	13 (6%) 27 21	47, 57, 66, 69	0
34	2c	206/206 (100%)	1.59	60 (29%) 1 2	53, 65, 71, 74	0
35	1d	208/208 (100%)	1.19	29 (13%) 7 7	41, 56, 67, 70	0
35	2d	208/208 (100%)	1.22	24 (11%) 11 9	48, 57, 64, 69	0
36	1e	148/148 (100%)	0.67	6 (4%) 42 34	33, 49, 58, 69	0
36	2e	148/148 (100%)	1.10	13 (8%) 17 13	48, 56, 63, 76	0
37	1f	100/100 (100%)	0.84	4 (4%) 43 35	46, 53, 60, 64	0
37	2f	100/100 (100%)	0.86	7 (7%) 24 18	38, 54, 62, 67	0
38	1g	155/155 (100%)	1.04	17 (10%) 12 9	47, 55, 69, 76	0
38	2g	155/155 (100%)	1.26	22 (14%) 7 6	53, 62, 71, 80	0
39	1h	137/137 (100%)	1.03	16 (11%) 10 9	40, 51, 58, 65	0
39	2h	137/137 (100%)	1.17	15 (10%) 12 9	46, 56, 62, 65	0
40	1i	127/127 (100%)	1.44	27 (21%) 3 3	40, 61, 68, 72	0
40	2i	126/127 (99%)	2.03	61 (48%) 0 1	55, 65, 72, 79	0
41	1j	97/97 (100%)	1.52	25 (25%) 2 2	44, 61, 73, 78	0
41	2j	96/97 (98%)	1.79	35 (36%) 1 1	52, 66, 72, 74	0
42	1k	114/114 (100%)	0.79	8 (7%) 24 18	29, 50, 61, 65	0
42	2k	114/114 (100%)	1.09	13 (11%) 11 9	45, 57, 64, 68	0
43	1l	121/122 (99%)	0.81	11 (9%) 16 12	32, 43, 56, 61	0
43	2l	121/122 (99%)	0.87	8 (6%) 26 19	41, 52, 60, 63	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	116/116 (100%)	1.10	13 (11%) 11 9	45, 55, 64, 67	0
44	2m	114/116 (98%)	1.76	42 (36%) 1 1	56, 65, 72, 76	0
45	1n	60/60 (100%)	1.26	10 (16%) 5 5	47, 53, 59, 62	0
45	2n	60/60 (100%)	2.06	26 (43%) 1 1	58, 64, 69, 72	0
46	1o	88/88 (100%)	0.66	4 (4%) 39 31	36, 46, 58, 65	0
46	2o	88/88 (100%)	0.76	3 (3%) 48 40	45, 52, 61, 69	0
47	1p	82/82 (100%)	1.29	8 (9%) 14 11	43, 55, 62, 64	0
47	2p	82/82 (100%)	1.23	11 (13%) 8 7	46, 54, 61, 68	0
48	1q	99/99 (100%)	0.93	6 (6%) 28 21	36, 51, 61, 65	0
48	2q	99/99 (100%)	0.93	7 (7%) 23 18	43, 53, 60, 65	0
49	1r	68/68 (100%)	0.94	3 (4%) 39 32	43, 52, 62, 69	0
49	2r	68/68 (100%)	0.98	7 (10%) 13 10	48, 55, 64, 67	0
50	1s	83/83 (100%)	1.31	12 (14%) 7 6	50, 60, 67, 73	0
50	2s	83/83 (100%)	1.76	24 (28%) 1 2	55, 67, 75, 77	0
51	1t	96/98 (97%)	1.40	26 (27%) 2 2	45, 56, 64, 68	0
51	2t	98/98 (100%)	1.03	8 (8%) 19 14	46, 53, 64, 68	0
52	1u	23/23 (100%)	1.44	6 (26%) 2 2	48, 52, 57, 58	0
52	2u	23/23 (100%)	2.20	11 (47%) 0 1	58, 62, 67, 68	0
53	1v	3/3 (100%)	0.70	0 100 100	37, 37, 39, 40	0
53	2v	3/3 (100%)	1.09	1 (33%) 1 1	53, 53, 57, 62	0
54	1x	72/76 (94%)	0.43	2 (2%) 55 46	15, 41, 61, 71	0
54	2x	72/76 (94%)	1.07	9 (12%) 9 8	32, 57, 68, 75	0
55	1y	16/16 (100%)	-0.03	1 (6%) 27 21	14, 20, 32, 39	0
55	2y	16/16 (100%)	0.31	0 100 100	28, 33, 48, 48	0
All	All	20755/20948 (99%)	0.70	2004 (9%) 15 11	6, 47, 71, 93	0

The worst 5 of 2004 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1133	G	14.9
21	1Z	192	ALA	12.0
1	1A	1135	G	11.6
21	1Z	193	GLU	11.3
1	2A	2128	C	10.6

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

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
54	PSU	2x	55	20/21	0.78	0.17	54,59,67,69	0
1	5MU	2A	1915	21/22	0.79	0.15	58,65,81,94	0
32	2MG	2a	1207	24/25	0.81	0.14	58,64,73,77	0
32	PSU	2a	516	20/21	0.83	0.15	58,63,69,71	0
1	5MU	1A	1937	21/22	0.84	0.18	50,57,72,76	0
54	5MU	2x	54	21/22	0.85	0.14	56,60,63,66	0
1	PSU	1A	1939	20/21	0.86	0.15	34,47,52,52	0
43	0TD	2l	92	10/11	0.86	0.14	50,53,56,61	0
1	PSU	2A	1917	20/21	0.87	0.14	46,58,67,72	0
32	7MG	2a	527	24/25	0.87	0.14	52,56,62,67	0
32	2MG	1a	1207	24/25	0.88	0.14	54,58,61,69	0
32	5MC	2a	967	21/22	0.88	0.15	52,56,63,69	0
32	M2G	2a	966	25/26	0.89	0.14	48,53,60,61	0
32	5MC	1a	1400	21/22	0.90	0.13	39,42,46,48	0
32	5MC	2a	1400	21/22	0.91	0.12	54,59,62,64	0
1	OMC	2A	1920	21/22	0.91	0.13	39,46,48,50	0
54	4SU	2x	8	20/21	0.91	0.13	51,57,61,61	0
54	5MC	2x	32	21/22	0.91	0.12	46,55,57,59	0
32	PSU	1a	516	20/21	0.91	0.11	39,48,50,50	0
1	PSU	2A	1911	20/21	0.91	0.12	45,51,57,60	0
54	5MC	1x	32	21/22	0.92	0.11	36,39,43,49	0
32	4OC	2a	1402	22/23	0.92	0.13	44,50,53,56	0
32	7MG	1a	527	24/25	0.92	0.12	33,38,43,46	0
32	5MC	1a	1404	21/22	0.92	0.11	27,31,34,45	0
32	M2G	1a	966	25/26	0.93	0.11	34,37,46,48	0
43	0TD	1l	92	10/11	0.93	0.11	41,43,47,48	0
54	5MU	1x	54	21/22	0.93	0.11	43,48,53,60	0
54	4SU	1x	8	20/21	0.93	0.11	36,42,44,45	0
54	PSU	1x	55	20/21	0.93	0.10	37,44,48,52	0
1	5MC	2A	1942	21/22	0.93	0.11	35,37,40,45	0
32	5MC	2a	1407	21/22	0.94	0.12	35,44,46,47	0
32	UR3	2a	1498	21/22	0.94	0.13	39,44,48,51	0
32	MA6	2a	1518	24/25	0.94	0.11	41,45,47,48	0
32	5MC	1a	1407	21/22	0.94	0.11	27,31,35,36	0
32	5MC	1a	967	21/22	0.94	0.10	35,43,47,49	0
32	5MC	2a	1404	21/22	0.94	0.10	36,41,44,47	0
32	4OC	1a	1402	22/23	0.95	0.11	31,35,37,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	PSU	1A	1933	20/21	0.95	0.11	31,43,46,49	0
32	MA6	2a	1519	24/25	0.95	0.12	37,43,46,49	0
1	5MC	1A	1964	21/22	0.95	0.11	25,29,33,40	0
1	5MC	2A	1962	21/22	0.96	0.09	30,33,36,42	0
1	2MA	2A	2503	23/24	0.96	0.10	18,21,24,27	0
1	OMU	2A	2552	21/22	0.96	0.09	26,27,29,31	0
1	OMC	1A	1942	21/22	0.96	0.10	26,34,40,42	0
1	5MU	2A	1939	21/22	0.96	0.08	26,28,30,31	0
32	MA6	1a	1518	24/25	0.96	0.10	23,27,28,29	0
1	OMU	1A	2564	21/22	0.97	0.09	14,18,20,21	0
32	UR3	1a	1498	21/22	0.97	0.07	26,29,32,33	0
1	PSU	2A	2605	20/21	0.97	0.09	22,26,27,27	0
1	PSU	1A	2617	20/21	0.97	0.08	10,12,14,16	0
32	MA6	1a	1519	24/25	0.97	0.08	24,28,29,31	0
1	OMG	2A	2251	24/25	0.97	0.09	19,25,27,28	0
1	2MA	1A	2515	23/24	0.98	0.07	5,9,11,15	0
1	5MU	1A	1961	21/22	0.98	0.08	12,16,19,21	0
1	5MC	1A	1984	21/22	0.98	0.07	19,23,25,30	0
1	OMG	1A	2263	24/25	0.98	0.07	9,10,12,12	0

5.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.4 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($\text{\AA}^2$)	Q<0.9
56	MG	2A	3477	1/1	0.12	0.39	62,62,62,62	0
56	MG	2a	1667	1/1	0.25	0.28	79,79,79,79	0
56	MG	2a	1725	1/1	0.33	0.27	71,71,71,71	0
56	MG	1a	1748	1/1	0.34	0.21	65,65,65,65	0
56	MG	2a	1805	1/1	0.34	0.38	94,94,94,94	0
56	MG	2a	1780	1/1	0.46	0.38	77,77,77,77	0
56	MG	2l	201	1/1	0.46	0.17	65,65,65,65	0
56	MG	2a	1716	1/1	0.47	0.22	65,65,65,65	0
56	MG	2A	3872	1/1	0.49	0.22	69,69,69,69	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1758	1/1	0.52	0.29	83,83,83,83	0
56	MG	2a	1807	1/1	0.53	0.15	58,58,58,58	0
56	MG	2a	1713	1/1	0.53	0.19	59,59,59,59	0
56	MG	1a	1796	1/1	0.54	0.27	58,58,58,58	0
56	MG	2A	3690	1/1	0.55	0.31	67,67,67,67	0
56	MG	2A	3362	1/1	0.55	0.27	61,61,61,61	0
56	MG	2H	8002	1/1	0.55	0.23	79,79,79,79	0
56	MG	1a	1768	1/1	0.56	0.15	53,53,53,53	0
56	MG	2a	1676	1/1	0.56	0.17	65,65,65,65	0
56	MG	2A	3684	1/1	0.58	0.21	68,68,68,68	0
56	MG	2A	3098	1/1	0.58	0.33	62,62,62,62	0
56	MG	2d	504	1/1	0.60	0.13	64,64,64,64	0
56	MG	2B	3002	1/1	0.60	0.21	60,60,60,60	0
56	MG	2D	316	1/1	0.61	0.15	47,47,47,47	0
56	MG	2A	3532	1/1	0.61	0.25	54,54,54,54	0
56	MG	2a	1705	1/1	0.61	0.17	63,63,63,63	0
56	MG	2a	1806	1/1	0.62	0.20	65,65,65,65	0
56	MG	2A	3482	1/1	0.62	0.20	43,43,43,43	0
56	MG	2A	3504	1/1	0.62	0.16	45,45,45,45	0
56	MG	2a	1711	1/1	0.62	0.16	64,64,64,64	0
56	MG	2A	3905	1/1	0.63	0.23	56,56,56,56	0
56	MG	2h	3002	1/1	0.63	0.22	64,64,64,64	0
56	MG	2a	1718	1/1	0.63	0.42	72,72,72,72	0
56	MG	2D	317	1/1	0.64	0.29	59,59,59,59	0
56	MG	2A	3702	1/1	0.64	0.21	55,55,55,55	0
56	MG	2A	3763	1/1	0.64	0.35	51,51,51,51	0
56	MG	2a	1752	1/1	0.65	0.41	71,71,71,71	0
56	MG	2B	3014	1/1	0.65	0.18	66,66,66,66	0
56	MG	2A	3605	1/1	0.65	0.15	35,35,35,35	0
56	MG	2A	3057	1/1	0.66	0.16	42,42,42,42	0
56	MG	2A	3061	1/1	0.66	0.17	68,68,68,68	0
56	MG	1A	8250	1/1	0.66	0.14	50,50,50,50	0
56	MG	2G	3003	1/1	0.66	0.13	59,59,59,59	0
56	MG	2A	3757	1/1	0.66	0.18	32,32,32,32	0
56	MG	2a	1715	1/1	0.66	0.17	50,50,50,50	0
56	MG	2a	1769	1/1	0.67	0.19	59,59,59,59	0
56	MG	2A	3535	1/1	0.67	0.15	55,55,55,55	0
56	MG	2A	3563	1/1	0.67	0.22	51,51,51,51	0
56	MG	2B	3015	1/1	0.67	0.14	59,59,59,59	0
56	MG	2B	3017	1/1	0.67	0.22	74,74,74,74	0
56	MG	2A	3326	1/1	0.67	0.17	55,55,55,55	0
56	MG	2a	1710	1/1	0.67	0.21	55,55,55,55	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3744	1/1	0.67	0.32	45,45,45,45	0
56	MG	1a	1759	1/1	0.68	0.23	63,63,63,63	0
56	MG	2A	3079	1/1	0.68	0.48	61,61,61,61	0
56	MG	25	104	1/1	0.68	0.20	53,53,53,53	0
56	MG	2a	1635	1/1	0.68	0.23	69,69,69,69	0
56	MG	2A	3728	1/1	0.69	0.13	56,56,56,56	0
56	MG	2a	1726	1/1	0.69	0.17	51,51,51,51	0
56	MG	2H	8001	1/1	0.69	0.13	71,71,71,71	0
56	MG	1B	3016	1/1	0.69	0.25	51,51,51,51	0
56	MG	1x	3005	1/1	0.69	0.13	51,51,51,51	0
56	MG	2a	1625	1/1	0.69	0.24	63,63,63,63	0
56	MG	2x	104	1/1	0.69	0.26	68,68,68,68	0
56	MG	2A	3524	1/1	0.70	0.18	59,59,59,59	0
56	MG	2A	3281	1/1	0.70	0.19	52,52,52,52	0
56	MG	1a	1775	1/1	0.70	0.15	41,41,41,41	0
56	MG	2B	3021	1/1	0.70	0.18	50,50,50,50	0
56	MG	2A	3551	1/1	0.70	0.15	34,34,34,34	0
56	MG	2a	1611	1/1	0.70	0.13	61,61,61,61	0
56	MG	2A	3914	1/1	0.71	0.25	51,51,51,51	0
56	MG	1A	8798	1/1	0.71	0.16	24,24,24,24	0
56	MG	2a	1672	1/1	0.71	0.13	64,64,64,64	0
56	MG	2A	3037	1/1	0.71	0.17	50,50,50,50	0
56	MG	2A	3252	1/1	0.71	0.19	53,53,53,53	0
56	MG	2A	3846	1/1	0.71	0.19	38,38,38,38	0
56	MG	2A	3679	1/1	0.71	0.18	60,60,60,60	0
56	MG	2A	3742	1/1	0.71	0.41	35,35,35,35	0
56	MG	2A	3958	1/1	0.72	0.20	51,51,51,51	0
56	MG	2A	3664	1/1	0.72	0.13	25,25,25,25	0
56	MG	1a	1726	1/1	0.72	0.20	56,56,56,56	0
56	MG	1a	1733	1/1	0.72	0.13	58,58,58,58	0
56	MG	1A	8628	1/1	0.72	0.28	62,62,62,62	0
56	MG	2A	3866	1/1	0.72	0.23	84,84,84,84	0
56	MG	2A	3480	1/1	0.72	0.19	63,63,63,63	0
56	MG	1A	8689	1/1	0.72	0.22	33,33,33,33	0
56	MG	1B	3027	1/1	0.72	0.18	66,66,66,66	0
56	MG	2a	1679	1/1	0.72	0.16	51,51,51,51	0
56	MG	1A	8921	1/1	0.73	0.16	52,52,52,52	0
56	MG	1a	1670	1/1	0.73	0.28	44,44,44,44	0
56	MG	1a	1791	1/1	0.73	0.14	56,56,56,56	0
56	MG	2a	1812	1/1	0.73	0.15	64,64,64,64	0
56	MG	2a	1816	1/1	0.73	0.14	56,56,56,56	0
56	MG	2A	3864	1/1	0.73	0.14	39,39,39,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3967	1/1	0.73	0.30	55,55,55,55	0
56	MG	1A	8784	1/1	0.73	0.14	38,38,38,38	0
56	MG	2a	1784	1/1	0.73	0.21	64,64,64,64	0
56	MG	1a	1735	1/1	0.74	0.13	54,54,54,54	0
56	MG	1G	3002	1/1	0.74	0.18	44,44,44,44	0
56	MG	2A	3520	1/1	0.74	0.13	74,74,74,74	0
56	MG	2D	301	1/1	0.74	0.21	52,52,52,52	0
56	MG	2a	1660	1/1	0.74	0.28	59,59,59,59	0
56	MG	2A	3699	1/1	0.74	0.17	46,46,46,46	0
56	MG	2A	3799	1/1	0.74	0.12	54,54,54,54	0
56	MG	2A	3840	1/1	0.74	0.14	42,42,42,42	0
56	MG	1a	1749	1/1	0.74	0.26	54,54,54,54	0
56	MG	2a	1702	1/1	0.74	0.11	54,54,54,54	0
56	MG	1A	8468	1/1	0.74	0.13	29,29,29,29	0
56	MG	1A	8616	1/1	0.75	0.19	61,61,61,61	0
56	MG	2A	3314	1/1	0.75	0.14	22,22,22,22	0
56	MG	1A	8742	1/1	0.75	0.18	50,50,50,50	0
56	MG	2A	3686	1/1	0.75	0.13	53,53,53,53	0
56	MG	2A	3865	1/1	0.75	0.11	48,48,48,48	0
56	MG	1a	1667	1/1	0.76	0.30	59,59,59,59	0
56	MG	1A	8701	1/1	0.76	0.19	49,49,49,49	0
56	MG	2A	3755	1/1	0.76	0.12	50,50,50,50	0
56	MG	1A	8291	1/1	0.76	0.34	13,13,13,13	0
56	MG	1A	8159	1/1	0.76	0.13	21,21,21,21	0
56	MG	2a	1707	1/1	0.76	0.23	61,61,61,61	0
56	MG	2A	3962	1/1	0.76	0.33	54,54,54,54	0
56	MG	1F	301	1/1	0.76	0.20	21,21,21,21	0
56	MG	2A	3806	1/1	0.76	0.21	65,65,65,65	0
56	MG	2a	1620	1/1	0.76	0.21	69,69,69,69	0
56	MG	1a	1801	1/1	0.76	0.15	60,60,60,60	0
56	MG	1A	8615	1/1	0.76	0.20	13,13,13,13	0
56	MG	1a	1636	1/1	0.76	0.13	56,56,56,56	0
56	MG	1a	1751	1/1	0.76	0.12	59,59,59,59	0
56	MG	1A	8888	1/1	0.77	0.29	62,62,62,62	0
56	MG	1a	1731	1/1	0.77	0.16	64,64,64,64	0
56	MG	1A	8413	1/1	0.77	0.15	44,44,44,44	0
56	MG	2A	3201	1/1	0.77	0.13	51,51,51,51	0
56	MG	2a	1775	1/1	0.77	0.23	68,68,68,68	0
56	MG	2a	1695	1/1	0.77	0.19	53,53,53,53	0
56	MG	2A	3049	1/1	0.77	0.14	43,43,43,43	0
56	MG	2A	3267	1/1	0.77	0.22	58,58,58,58	0
56	MG	2A	3603	1/1	0.77	0.19	53,53,53,53	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3484	1/1	0.77	0.24	57,57,57,57	0
56	MG	2A	3637	1/1	0.77	0.22	48,48,48,48	0
56	MG	2A	3660	1/1	0.77	0.11	51,51,51,51	0
56	MG	2A	3503	1/1	0.77	0.17	47,47,47,47	0
56	MG	2A	3798	1/1	0.77	0.14	59,59,59,59	0
56	MG	2A	3667	1/1	0.77	0.11	58,58,58,58	0
56	MG	1A	8177	1/1	0.77	0.13	55,55,55,55	0
56	MG	2A	3072	1/1	0.78	0.12	36,36,36,36	0
56	MG	1f	8001	1/1	0.78	0.14	36,36,36,36	0
56	MG	1a	1671	1/1	0.78	0.21	39,39,39,39	0
56	MG	2a	1753	1/1	0.78	0.11	57,57,57,57	0
56	MG	2A	3591	1/1	0.78	0.11	51,51,51,51	0
56	MG	2A	3131	1/1	0.78	0.73	33,33,33,33	0
56	MG	2A	3706	1/1	0.78	0.14	32,32,32,32	0
56	MG	2A	3719	1/1	0.78	0.49	37,37,37,37	0
56	MG	2A	3144	1/1	0.78	0.25	63,63,63,63	0
56	MG	2E	303	1/1	0.78	0.12	64,64,64,64	0
56	MG	1a	1642	1/1	0.78	0.16	57,57,57,57	0
56	MG	2A	3367	1/1	0.78	0.14	55,55,55,55	0
56	MG	2A	3368	1/1	0.78	0.28	54,54,54,54	0
56	MG	2a	1712	1/1	0.78	0.19	64,64,64,64	0
56	MG	2A	3917	1/1	0.78	0.35	49,49,49,49	0
56	MG	2A	3527	1/1	0.78	0.20	42,42,42,42	0
56	MG	2A	3428	1/1	0.78	0.13	30,30,30,30	0
56	MG	2A	3782	1/1	0.78	0.15	60,60,60,60	0
56	MG	1a	1753	1/1	0.79	0.14	54,54,54,54	0
56	MG	1A	8636	1/1	0.79	0.12	45,45,45,45	0
56	MG	2A	3921	1/1	0.79	0.22	19,19,19,19	0
56	MG	27	102	1/1	0.79	0.18	56,56,56,56	0
56	MG	2A	3923	1/1	0.79	0.14	39,39,39,39	0
56	MG	2A	3539	1/1	0.79	0.15	47,47,47,47	0
56	MG	2a	1744	1/1	0.79	0.15	43,43,43,43	0
56	MG	2A	3683	1/1	0.79	0.12	73,73,73,73	0
56	MG	1A	8058	1/1	0.79	0.17	44,44,44,44	0
56	MG	2a	1640	1/1	0.79	0.17	64,64,64,64	0
56	MG	2a	1656	1/1	0.79	0.10	65,65,65,65	0
56	MG	2A	3490	1/1	0.79	0.12	39,39,39,39	0
56	MG	2A	3576	1/1	0.79	0.15	47,47,47,47	0
56	MG	1H	202	1/1	0.79	0.12	39,39,39,39	0
56	MG	2A	3596	1/1	0.79	0.13	35,35,35,35	0
56	MG	1a	1618	1/1	0.79	0.19	57,57,57,57	0
56	MG	2B	3025	1/1	0.79	0.12	52,52,52,52	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3202	1/1	0.79	0.33	42,42,42,42	0
56	MG	1a	1686	1/1	0.79	0.17	46,46,46,46	0
56	MG	2A	3870	1/1	0.79	0.16	63,63,63,63	0
56	MG	2A	3657	1/1	0.79	0.20	33,33,33,33	0
56	MG	2G	3002	1/1	0.79	0.16	63,63,63,63	0
56	MG	1E	306	1/1	0.79	0.09	41,41,41,41	0
56	MG	2x	109	1/1	0.79	0.21	56,56,56,56	0
56	MG	2A	3479	1/1	0.80	0.10	26,26,26,26	0
56	MG	2a	1717	1/1	0.80	0.22	54,54,54,54	0
56	MG	2a	1622	1/1	0.80	0.16	59,59,59,59	0
56	MG	2a	1720	1/1	0.80	0.11	43,43,43,43	0
56	MG	1a	1825	1/1	0.80	0.14	43,43,43,43	0
56	MG	1d	502	1/1	0.80	0.23	56,56,56,56	0
56	MG	2a	1638	1/1	0.80	0.26	54,54,54,54	0
56	MG	1A	8220	1/1	0.80	0.16	52,52,52,52	0
56	MG	2a	1646	1/1	0.80	0.32	48,48,48,48	0
56	MG	2B	3020	1/1	0.80	0.14	54,54,54,54	0
56	MG	1A	8800	1/1	0.80	0.14	44,44,44,44	0
56	MG	2A	3317	1/1	0.80	0.14	68,68,68,68	0
56	MG	2a	1779	1/1	0.80	0.14	48,48,48,48	0
56	MG	1x	3007	1/1	0.80	0.20	37,37,37,37	0
56	MG	2A	3509	1/1	0.80	0.24	66,66,66,66	0
56	MG	1A	8871	1/1	0.80	0.23	38,38,38,38	0
56	MG	2A	3523	1/1	0.80	0.16	38,38,38,38	0
56	MG	2A	3174	1/1	0.80	0.22	40,40,40,40	0
56	MG	2A	3180	1/1	0.80	0.12	46,46,46,46	0
56	MG	2A	3781	1/1	0.80	0.15	51,51,51,51	0
56	MG	1N	203	1/1	0.80	0.11	47,47,47,47	0
56	MG	2R	201	1/1	0.80	0.16	42,42,42,42	0
56	MG	2A	3433	1/1	0.80	0.15	43,43,43,43	0
56	MG	1A	8339	1/1	0.80	0.11	32,32,32,32	0
56	MG	2A	3985	1/1	0.80	0.12	39,39,39,39	0
59	K	2A	3001	1/1	0.80	0.23	65,65,65,65	0
56	MG	2a	1699	1/1	0.81	0.23	68,68,68,68	0
56	MG	2A	3720	1/1	0.81	0.19	60,60,60,60	0
56	MG	1A	8172	1/1	0.81	0.30	53,53,53,53	0
56	MG	2A	3069	1/1	0.81	0.29	36,36,36,36	0
56	MG	2A	3553	1/1	0.81	0.16	52,52,52,52	0
56	MG	1A	8803	1/1	0.81	0.16	59,59,59,59	0
56	MG	1A	8536	1/1	0.81	0.11	54,54,54,54	0
56	MG	2A	3587	1/1	0.81	0.56	39,39,39,39	0
56	MG	2a	1714	1/1	0.81	0.12	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3370	1/1	0.81	0.10	21,21,21,21	0
56	MG	2A	3091	1/1	0.81	0.18	50,50,50,50	0
56	MG	1a	1797	1/1	0.81	0.18	47,47,47,47	0
56	MG	2A	3114	1/1	0.81	0.12	33,33,33,33	0
56	MG	2A	3606	1/1	0.81	0.13	42,42,42,42	0
56	MG	2A	3823	1/1	0.81	0.15	43,43,43,43	0
56	MG	2A	3833	1/1	0.81	0.15	28,28,28,28	0
56	MG	2a	1735	1/1	0.81	0.12	51,51,51,51	0
56	MG	2A	3633	1/1	0.81	0.18	44,44,44,44	0
56	MG	2Y	201	1/1	0.81	0.35	85,85,85,85	0
56	MG	2A	3124	1/1	0.81	0.14	46,46,46,46	0
56	MG	2A	3863	1/1	0.81	0.20	54,54,54,54	0
56	MG	1A	8629	1/1	0.81	0.10	45,45,45,45	0
56	MG	1A	8915	1/1	0.81	0.15	38,38,38,38	0
56	MG	1a	1614	1/1	0.81	0.24	52,52,52,52	0
56	MG	2A	3666	1/1	0.81	0.11	48,48,48,48	0
56	MG	1d	506	1/1	0.81	0.12	77,77,77,77	0
56	MG	2A	3673	1/1	0.81	0.15	41,41,41,41	0
56	MG	1A	8753	1/1	0.81	0.21	13,13,13,13	0
56	MG	1l	203	1/1	0.81	0.18	56,56,56,56	0
56	MG	2A	3224	1/1	0.81	0.25	48,48,48,48	0
56	MG	1a	1629	1/1	0.81	0.19	36,36,36,36	0
56	MG	2a	1666	1/1	0.81	0.13	55,55,55,55	0
56	MG	2A	3261	1/1	0.81	0.37	42,42,42,42	0
56	MG	1A	8419	1/1	0.81	0.13	31,31,31,31	0
56	MG	1B	3017	1/1	0.81	0.11	44,44,44,44	0
56	MG	2x	105	1/1	0.81	0.31	59,59,59,59	0
56	MG	1B	3026	1/1	0.81	0.10	35,35,35,35	0
56	MG	1A	8683	1/1	0.81	0.14	30,30,30,30	0
56	MG	1a	1746	1/1	0.82	0.10	44,44,44,44	0
56	MG	1a	1639	1/1	0.82	0.24	50,50,50,50	0
56	MG	2G	3001	1/1	0.82	0.10	67,67,67,67	0
56	MG	1A	8717	1/1	0.82	0.11	16,16,16,16	0
56	MG	1n	101	1/1	0.82	0.29	51,51,51,51	0
56	MG	1a	1661	1/1	0.82	0.14	48,48,48,48	0
56	MG	1A	8527	1/1	0.82	0.08	11,11,11,11	0
56	MG	2P	203	1/1	0.82	0.12	63,63,63,63	0
56	MG	10	101	1/1	0.82	0.22	42,42,42,42	0
56	MG	2U	204	1/1	0.82	0.24	52,52,52,52	0
56	MG	15	106	1/1	0.82	0.24	20,20,20,20	0
56	MG	23	101	1/1	0.82	0.22	51,51,51,51	0
56	MG	2A	3899	1/1	0.82	0.27	62,62,62,62	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3726	1/1	0.82	0.11	50,50,50,50	0
56	MG	29	502	1/1	0.82	0.15	53,53,53,53	0
56	MG	1A	8745	1/1	0.82	0.18	17,17,17,17	0
56	MG	2A	3620	1/1	0.82	0.14	61,61,61,61	0
56	MG	1a	1777	1/1	0.82	0.16	56,56,56,56	0
56	MG	1a	1789	1/1	0.82	0.23	61,61,61,61	0
56	MG	1a	1692	1/1	0.82	0.13	40,40,40,40	0
56	MG	2A	3761	1/1	0.82	0.16	43,43,43,43	0
56	MG	1A	8362	1/1	0.82	0.21	52,52,52,52	0
56	MG	2A	3768	1/1	0.82	0.13	42,42,42,42	0
56	MG	1a	1729	1/1	0.82	0.15	52,52,52,52	0
56	MG	2B	3006	1/1	0.82	0.11	48,48,48,48	0
56	MG	2A	3339	1/1	0.82	0.11	35,35,35,35	0
56	MG	2a	1809	1/1	0.82	0.17	81,81,81,81	0
56	MG	2A	3786	1/1	0.82	0.14	62,62,62,62	0
56	MG	1B	3001	1/1	0.82	0.16	37,37,37,37	0
56	MG	2A	3668	1/1	0.82	0.33	57,57,57,57	0
56	MG	1a	1635	1/1	0.82	0.16	38,38,38,38	0
56	MG	2a	1680	1/1	0.82	0.20	59,59,59,59	0
56	MG	2B	3024	1/1	0.82	0.14	61,61,61,61	0
56	MG	1A	8853	1/1	0.82	0.14	50,50,50,50	0
56	MG	2A	3125	1/1	0.82	0.46	39,39,39,39	0
56	MG	2x	111	1/1	0.82	0.17	67,67,67,67	0
56	MG	2A	3835	1/1	0.82	0.13	40,40,40,40	0
56	MG	1a	1707	1/1	0.83	0.14	51,51,51,51	0
56	MG	2a	1610	1/1	0.83	0.36	63,63,63,63	0
56	MG	2B	3009	1/1	0.83	0.14	67,67,67,67	0
56	MG	2a	1615	1/1	0.83	0.26	50,50,50,50	0
56	MG	2A	3837	1/1	0.83	0.12	21,21,21,21	0
56	MG	1A	8559	1/1	0.83	0.14	43,43,43,43	0
56	MG	2A	3724	1/1	0.83	0.19	50,50,50,50	0
56	MG	1A	8593	1/1	0.83	0.22	16,16,16,16	0
56	MG	18	101	1/1	0.83	0.22	49,49,49,49	0
56	MG	2A	3232	1/1	0.83	0.13	46,46,46,46	0
56	MG	2a	1643	1/1	0.83	0.30	57,57,57,57	0
56	MG	2A	3468	1/1	0.83	0.11	47,47,47,47	0
56	MG	2a	1655	1/1	0.83	0.09	48,48,48,48	0
56	MG	2A	3248	1/1	0.83	0.18	34,34,34,34	0
56	MG	2D	313	1/1	0.83	0.17	32,32,32,32	0
56	MG	1A	8759	1/1	0.83	0.17	15,15,15,15	0
56	MG	2A	3879	1/1	0.83	0.14	36,36,36,36	0
56	MG	2A	3893	1/1	0.83	0.14	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1795	1/1	0.83	0.14	65,65,65,65	0
56	MG	1a	1779	1/1	0.83	0.13	50,50,50,50	0
56	MG	1A	8813	1/1	0.83	0.10	11,11,11,11	0
56	MG	1A	8498	1/1	0.83	0.14	34,34,34,34	0
56	MG	2a	1683	1/1	0.83	0.20	61,61,61,61	0
56	MG	2a	1690	1/1	0.83	0.10	57,57,57,57	0
56	MG	2A	3681	1/1	0.83	0.20	57,57,57,57	0
56	MG	2A	3590	1/1	0.83	0.12	65,65,65,65	0
56	MG	1A	8859	1/1	0.83	0.16	37,37,37,37	0
56	MG	1A	8864	1/1	0.83	0.11	26,26,26,26	0
56	MG	2A	3598	1/1	0.83	0.22	50,50,50,50	0
56	MG	2A	3052	1/1	0.83	0.23	37,37,37,37	0
56	MG	2A	3151	1/1	0.83	0.31	32,32,32,32	0
56	MG	1a	1701	1/1	0.83	0.11	44,44,44,44	0
56	MG	2B	3005	1/1	0.83	0.12	55,55,55,55	0
56	MG	1a	1758	1/1	0.84	0.12	38,38,38,38	0
56	MG	2N	201	1/1	0.84	0.19	50,50,50,50	0
56	MG	2N	202	1/1	0.84	0.09	49,49,49,49	0
56	MG	2A	3239	1/1	0.84	0.18	51,51,51,51	0
56	MG	1A	8140	1/1	0.84	0.20	52,52,52,52	0
56	MG	2A	3731	1/1	0.84	0.15	63,63,63,63	0
56	MG	1A	8484	1/1	0.84	0.24	17,17,17,17	0
56	MG	20	105	1/1	0.84	0.15	50,50,50,50	0
56	MG	1P	204	1/1	0.84	0.07	62,62,62,62	0
56	MG	2A	3752	1/1	0.84	0.29	39,39,39,39	0
56	MG	2A	3927	1/1	0.84	0.12	30,30,30,30	0
56	MG	2A	3111	1/1	0.84	0.27	47,47,47,47	0
56	MG	1a	1776	1/1	0.84	0.12	35,35,35,35	0
56	MG	1a	1677	1/1	0.84	0.20	49,49,49,49	0
56	MG	2a	1731	1/1	0.84	0.13	56,56,56,56	0
56	MG	2a	1734	1/1	0.84	0.10	59,59,59,59	0
56	MG	1D	312	1/1	0.84	0.09	41,41,41,41	0
56	MG	2A	3658	1/1	0.84	0.11	29,29,29,29	0
56	MG	2B	3003	1/1	0.84	0.14	37,37,37,37	0
56	MG	1A	8390	1/1	0.84	0.22	41,41,41,41	0
56	MG	2A	3327	1/1	0.84	0.10	61,61,61,61	0
56	MG	2A	3138	1/1	0.84	0.12	31,31,31,31	0
56	MG	2a	1772	1/1	0.84	0.09	57,57,57,57	0
56	MG	1A	8880	1/1	0.84	0.23	46,46,46,46	0
56	MG	2A	3528	1/1	0.84	0.10	40,40,40,40	0
56	MG	2B	3016	1/1	0.84	0.19	55,55,55,55	0
56	MG	2a	1649	1/1	0.84	0.26	48,48,48,48	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3530	1/1	0.84	0.46	45,45,45,45	0
56	MG	2a	1796	1/1	0.84	0.16	53,53,53,53	0
56	MG	2A	3675	1/1	0.84	0.15	44,44,44,44	0
56	MG	2A	3364	1/1	0.84	0.15	42,42,42,42	0
56	MG	2A	3365	1/1	0.84	0.13	47,47,47,47	0
56	MG	1a	1792	1/1	0.84	0.19	41,41,41,41	0
56	MG	2A	3547	1/1	0.84	0.10	43,43,43,43	0
56	MG	1a	1659	1/1	0.84	0.22	50,50,50,50	0
56	MG	2b	3001	1/1	0.84	0.20	56,56,56,56	0
56	MG	1A	8585	1/1	0.84	0.08	29,29,29,29	0
56	MG	2A	3372	1/1	0.84	0.12	48,48,48,48	0
56	MG	1a	1754	1/1	0.84	0.17	59,59,59,59	0
56	MG	2A	3063	1/1	0.84	0.13	38,38,38,38	0
56	MG	2a	1692	1/1	0.84	0.11	44,44,44,44	0
56	MG	2x	108	1/1	0.84	0.20	53,53,53,53	0
56	MG	2A	3709	1/1	0.84	0.15	40,40,40,40	0
56	MG	2A	3457	1/1	0.84	0.12	50,50,50,50	0
56	MG	1a	1807	1/1	0.84	0.11	51,51,51,51	0
56	MG	1A	8277	1/1	0.85	0.28	50,50,50,50	0
56	MG	1A	8840	1/1	0.85	0.13	9,9,9,9	0
56	MG	2a	1697	1/1	0.85	0.08	54,54,54,54	0
56	MG	1B	3003	1/1	0.85	0.10	43,43,43,43	0
56	MG	2A	3856	1/1	0.85	0.26	53,53,53,53	0
56	MG	2A	3857	1/1	0.85	0.16	40,40,40,40	0
56	MG	1A	8282	1/1	0.85	0.10	45,45,45,45	0
56	MG	1A	8221	1/1	0.85	0.22	43,43,43,43	0
56	MG	2A	3203	1/1	0.85	0.26	28,28,28,28	0
56	MG	2A	3205	1/1	0.85	0.85	44,44,44,44	0
56	MG	1A	8488	1/1	0.85	0.11	46,46,46,46	0
56	MG	2A	3378	1/1	0.85	0.19	41,41,41,41	0
56	MG	2A	3379	1/1	0.85	0.19	36,36,36,36	0
56	MG	2A	3892	1/1	0.85	0.10	34,34,34,34	0
56	MG	2A	3554	1/1	0.85	0.19	37,37,37,37	0
56	MG	2A	3415	1/1	0.85	0.11	34,34,34,34	0
56	MG	2U	206	1/1	0.85	0.16	38,38,38,38	0
56	MG	2a	1722	1/1	0.85	0.11	61,61,61,61	0
56	MG	2A	3425	1/1	0.85	0.10	25,25,25,25	0
56	MG	20	104	1/1	0.85	0.09	55,55,55,55	0
56	MG	2a	1728	1/1	0.85	0.14	64,64,64,64	0
56	MG	2a	1729	1/1	0.85	0.14	62,62,62,62	0
56	MG	1A	8866	1/1	0.85	0.10	32,32,32,32	0
56	MG	2A	3431	1/1	0.85	0.09	39,39,39,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8795	1/1	0.85	0.25	21,21,21,21	0
56	MG	1D	314	1/1	0.85	0.10	31,31,31,31	0
56	MG	2A	3924	1/1	0.85	0.17	26,26,26,26	0
56	MG	2a	1607	1/1	0.85	0.25	55,55,55,55	0
56	MG	1a	1771	1/1	0.85	0.16	46,46,46,46	0
56	MG	2a	1763	1/1	0.85	0.13	81,81,81,81	0
56	MG	2A	3929	1/1	0.85	0.14	48,48,48,48	0
56	MG	2A	3953	1/1	0.85	0.12	37,37,37,37	0
56	MG	2a	1774	1/1	0.85	0.15	54,54,54,54	0
56	MG	1A	8495	1/1	0.85	0.09	14,14,14,14	0
56	MG	1A	8409	1/1	0.85	0.15	35,35,35,35	0
56	MG	2A	3964	1/1	0.85	0.15	37,37,37,37	0
56	MG	2a	1626	1/1	0.85	0.17	63,63,63,63	0
56	MG	2A	3280	1/1	0.85	0.11	35,35,35,35	0
56	MG	1A	8899	1/1	0.85	0.08	37,37,37,37	0
56	MG	2A	3987	1/1	0.85	0.18	28,28,28,28	0
56	MG	2A	3629	1/1	0.85	0.15	25,25,25,25	0
56	MG	2A	3483	1/1	0.85	0.13	48,48,48,48	0
56	MG	2A	3287	1/1	0.85	0.17	53,53,53,53	0
56	MG	2a	1650	1/1	0.85	0.23	46,46,46,46	0
56	MG	2a	1813	1/1	0.85	0.16	42,42,42,42	0
56	MG	2A	3778	1/1	0.85	0.17	46,46,46,46	0
56	MG	2A	3486	1/1	0.85	0.22	47,47,47,47	0
56	MG	2A	3295	1/1	0.85	0.11	43,43,43,43	0
56	MG	2A	3491	1/1	0.85	0.12	27,27,27,27	0
56	MG	1a	1652	1/1	0.85	0.18	47,47,47,47	0
56	MG	1x	3012	1/1	0.85	0.10	38,38,38,38	0
56	MG	2A	3320	1/1	0.85	0.12	27,27,27,27	0
56	MG	2A	3030	1/1	0.85	0.27	47,47,47,47	0
56	MG	2B	3023	1/1	0.85	0.13	41,41,41,41	0
56	MG	2A	3671	1/1	0.85	0.17	45,45,45,45	0
56	MG	1A	8323	1/1	0.85	0.11	20,20,20,20	0
56	MG	2A	3873	1/1	0.86	0.20	74,74,74,74	0
56	MG	2A	3421	1/1	0.86	0.10	49,49,49,49	0
56	MG	1H	201	1/1	0.86	0.12	38,38,38,38	0
56	MG	2A	3245	1/1	0.86	0.09	46,46,46,46	0
56	MG	1A	8264	1/1	0.86	0.22	37,37,37,37	0
56	MG	1A	8197	1/1	0.86	0.09	42,42,42,42	0
56	MG	2A	3908	1/1	0.86	0.55	57,57,57,57	0
56	MG	1a	1800	1/1	0.86	0.11	31,31,31,31	0
56	MG	2A	3462	1/1	0.86	0.13	26,26,26,26	0
56	MG	2A	3264	1/1	0.86	0.11	65,65,65,65	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8804	1/1	0.86	0.12	31,31,31,31	0
56	MG	2A	3739	1/1	0.86	0.11	46,46,46,46	0
56	MG	1A	8732	1/1	0.86	0.11	33,33,33,33	0
56	MG	2a	1723	1/1	0.86	0.16	50,50,50,50	0
56	MG	2a	1724	1/1	0.86	0.10	56,56,56,56	0
56	MG	1A	8417	1/1	0.86	0.10	37,37,37,37	0
56	MG	1A	8627	1/1	0.86	0.11	48,48,48,48	0
56	MG	1A	8087	1/1	0.86	0.28	45,45,45,45	0
56	MG	1a	1765	1/1	0.86	0.08	44,44,44,44	0
56	MG	2A	3963	1/1	0.86	0.16	53,53,53,53	0
56	MG	2a	1612	1/1	0.86	0.15	43,43,43,43	0
56	MG	2A	3623	1/1	0.86	0.11	53,53,53,53	0
56	MG	2A	3624	1/1	0.86	0.20	52,52,52,52	0
56	MG	2A	3766	1/1	0.86	0.10	41,41,41,41	0
56	MG	1i	3001	1/1	0.86	0.14	46,46,46,46	0
56	MG	2B	3001	1/1	0.86	0.19	59,59,59,59	0
56	MG	1a	1615	1/1	0.86	0.17	51,51,51,51	0
56	MG	1A	8754	1/1	0.86	0.24	18,18,18,18	0
56	MG	2A	3493	1/1	0.86	0.11	32,32,32,32	0
56	MG	2a	1641	1/1	0.86	0.20	59,59,59,59	0
56	MG	2a	1642	1/1	0.86	0.19	51,51,51,51	0
56	MG	2A	3500	1/1	0.86	0.26	45,45,45,45	0
56	MG	1x	3002	1/1	0.86	0.15	44,44,44,44	0
56	MG	1a	1619	1/1	0.86	0.19	45,45,45,45	0
56	MG	2a	1785	1/1	0.86	0.15	70,70,70,70	0
56	MG	2a	1788	1/1	0.86	0.10	50,50,50,50	0
56	MG	1A	8367	1/1	0.86	0.09	33,33,33,33	0
56	MG	1A	8552	1/1	0.86	0.16	23,23,23,23	0
56	MG	1A	8788	1/1	0.86	0.09	34,34,34,34	0
56	MG	2A	3670	1/1	0.86	0.14	32,32,32,32	0
56	MG	2a	1662	1/1	0.86	0.13	48,48,48,48	0
56	MG	2A	3034	1/1	0.86	0.08	23,23,23,23	0
56	MG	1a	1781	1/1	0.86	0.15	68,68,68,68	0
56	MG	1a	1783	1/1	0.86	0.13	60,60,60,60	0
56	MG	2A	3847	1/1	0.86	0.30	53,53,53,53	0
56	MG	2A	3529	1/1	0.86	0.12	44,44,44,44	0
56	MG	2A	3221	1/1	0.86	0.36	29,29,29,29	0
56	MG	2d	505	1/1	0.86	0.17	73,73,73,73	0
56	MG	2A	3223	1/1	0.86	0.15	52,52,52,52	0
56	MG	2a	1687	1/1	0.86	0.10	58,58,58,58	0
56	MG	1A	8482	1/1	0.86	0.12	31,31,31,31	0
56	MG	2A	3536	1/1	0.86	0.10	31,31,31,31	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2E	305	1/1	0.86	0.11	60,60,60,60	0
56	MG	2A	3398	1/1	0.86	0.12	39,39,39,39	0
56	MG	1A	8263	1/1	0.86	0.09	26,26,26,26	0
56	MG	2A	3700	1/1	0.86	0.11	42,42,42,42	0
56	MG	2A	3787	1/1	0.87	0.20	41,41,41,41	0
56	MG	1a	1773	1/1	0.87	0.10	44,44,44,44	0
56	MG	1A	8704	1/1	0.87	0.14	34,34,34,34	0
56	MG	1l	202	1/1	0.87	0.13	38,38,38,38	0
56	MG	1A	8416	1/1	0.87	0.13	36,36,36,36	0
56	MG	2A	3832	1/1	0.87	0.17	31,31,31,31	0
56	MG	1A	8015	1/1	0.87	0.14	28,28,28,28	0
56	MG	1a	1740	1/1	0.87	0.18	54,54,54,54	0
56	MG	2A	3139	1/1	0.87	0.23	45,45,45,45	0
56	MG	2A	3838	1/1	0.87	0.18	44,44,44,44	0
56	MG	2A	3510	1/1	0.87	0.13	54,54,54,54	0
56	MG	2F	306	1/1	0.87	0.08	30,30,30,30	0
56	MG	2A	3517	1/1	0.87	0.21	47,47,47,47	0
56	MG	1a	1780	1/1	0.87	0.18	61,61,61,61	0
56	MG	1x	3006	1/1	0.87	0.24	47,47,47,47	0
56	MG	1a	1742	1/1	0.87	0.13	32,32,32,32	0
56	MG	1A	8372	1/1	0.87	0.19	51,51,51,51	0
56	MG	2A	3182	1/1	0.87	0.12	34,34,34,34	0
56	MG	2A	3006	1/1	0.87	0.11	45,45,45,45	0
56	MG	2A	3018	1/1	0.87	0.24	55,55,55,55	0
56	MG	1a	1785	1/1	0.87	0.10	74,74,74,74	0
56	MG	2A	3685	1/1	0.87	0.18	50,50,50,50	0
56	MG	2U	205	1/1	0.87	0.13	49,49,49,49	0
56	MG	1A	8237	1/1	0.87	0.07	41,41,41,41	0
56	MG	1A	8802	1/1	0.87	0.10	26,26,26,26	0
56	MG	2A	3041	1/1	0.87	0.10	39,39,39,39	0
56	MG	2A	3541	1/1	0.87	0.09	24,24,24,24	0
56	MG	2A	3546	1/1	0.87	0.10	54,54,54,54	0
56	MG	1a	1682	1/1	0.87	0.35	45,45,45,45	0
56	MG	2A	3548	1/1	0.87	0.12	52,52,52,52	0
56	MG	2A	3912	1/1	0.87	0.29	49,49,49,49	0
56	MG	2a	1747	1/1	0.87	0.18	39,39,39,39	0
56	MG	2A	3716	1/1	0.87	0.08	37,37,37,37	0
56	MG	2A	3915	1/1	0.87	0.12	42,42,42,42	0
56	MG	2A	3916	1/1	0.87	0.16	86,86,86,86	0
56	MG	2a	1761	1/1	0.87	0.10	42,42,42,42	0
56	MG	2A	3717	1/1	0.87	0.13	24,24,24,24	0
56	MG	2a	1766	1/1	0.87	0.21	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8687	1/1	0.87	0.17	46,46,46,46	0
56	MG	1A	8124	1/1	0.87	0.07	16,16,16,16	0
56	MG	2A	3721	1/1	0.87	0.22	47,47,47,47	0
56	MG	2a	1624	1/1	0.87	0.34	48,48,48,48	0
56	MG	2a	1778	1/1	0.87	0.12	42,42,42,42	0
56	MG	1A	8255	1/1	0.87	0.28	33,33,33,33	0
56	MG	1a	1704	1/1	0.87	0.13	47,47,47,47	0
56	MG	2a	1630	1/1	0.87	0.16	50,50,50,50	0
56	MG	1a	1764	1/1	0.87	0.15	54,54,54,54	0
56	MG	2a	1637	1/1	0.87	0.19	36,36,36,36	0
56	MG	2A	3584	1/1	0.87	0.12	30,30,30,30	0
56	MG	2A	3254	1/1	0.87	0.08	38,38,38,38	0
56	MG	2a	1799	1/1	0.87	0.17	57,57,57,57	0
56	MG	2A	3459	1/1	0.87	0.15	33,33,33,33	0
56	MG	1a	1643	1/1	0.87	0.17	53,53,53,53	0
56	MG	2A	3749	1/1	0.87	0.14	50,50,50,50	0
56	MG	2A	3982	1/1	0.87	0.15	26,26,26,26	0
56	MG	2A	3263	1/1	0.87	0.19	46,46,46,46	0
56	MG	1a	1828	1/1	0.87	0.13	52,52,52,52	0
56	MG	2a	1654	1/1	0.87	0.29	62,62,62,62	0
56	MG	2A	3478	1/1	0.87	0.14	38,38,38,38	0
56	MG	1a	1647	1/1	0.87	0.23	53,53,53,53	0
56	MG	2A	3268	1/1	0.87	0.24	42,42,42,42	0
56	MG	2A	3614	1/1	0.87	0.12	42,42,42,42	0
56	MG	2a	1664	1/1	0.87	0.11	44,44,44,44	0
56	MG	2A	3092	1/1	0.87	0.34	48,48,48,48	0
56	MG	2A	3775	1/1	0.87	0.23	51,51,51,51	0
56	MG	1A	8903	1/1	0.87	0.12	19,19,19,19	0
56	MG	2A	3282	1/1	0.87	0.11	63,63,63,63	0
56	MG	2A	3628	1/1	0.87	0.09	59,59,59,59	0
56	MG	2A	3285	1/1	0.87	0.11	30,30,30,30	0
56	MG	1a	1739	1/1	0.88	0.23	50,50,50,50	0
56	MG	1A	8602	1/1	0.88	0.14	47,47,47,47	0
56	MG	1A	8317	1/1	0.88	0.10	35,35,35,35	0
56	MG	1A	8196	1/1	0.88	0.14	49,49,49,49	0
56	MG	2A	3257	1/1	0.88	0.13	44,44,44,44	0
56	MG	2A	3966	1/1	0.88	0.11	50,50,50,50	0
56	MG	1A	8907	1/1	0.88	0.15	26,26,26,26	0
56	MG	2A	3722	1/1	0.88	0.15	42,42,42,42	0
56	MG	2A	3983	1/1	0.88	0.09	23,23,23,23	0
56	MG	1a	1623	1/1	0.88	0.15	47,47,47,47	0
56	MG	2a	1681	1/1	0.88	0.12	45,45,45,45	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8909	1/1	0.88	0.13	15,15,15,15	0
56	MG	2A	3014	1/1	0.88	0.22	39,39,39,39	0
56	MG	1A	8617	1/1	0.88	0.12	43,43,43,43	0
56	MG	2A	3736	1/1	0.88	0.24	51,51,51,51	0
56	MG	1A	8782	1/1	0.88	0.15	24,24,24,24	0
56	MG	2A	3032	1/1	0.88	0.18	43,43,43,43	0
56	MG	2B	3007	1/1	0.88	0.12	42,42,42,42	0
56	MG	1a	1757	1/1	0.88	0.21	44,44,44,44	0
56	MG	1A	8948	1/1	0.88	0.15	35,35,35,35	0
56	MG	1A	8325	1/1	0.88	0.09	21,21,21,21	0
56	MG	1A	8787	1/1	0.88	0.10	8,8,8,8	0
56	MG	2A	3296	1/1	0.88	0.09	49,49,49,49	0
56	MG	1A	8516	1/1	0.88	0.17	34,34,34,34	0
56	MG	2A	3315	1/1	0.88	0.13	44,44,44,44	0
56	MG	2A	3552	1/1	0.88	0.10	47,47,47,47	0
56	MG	1A	8519	1/1	0.88	0.14	29,29,29,29	0
56	MG	1a	1656	1/1	0.88	0.14	51,51,51,51	0
56	MG	2A	3777	1/1	0.88	0.26	61,61,61,61	0
56	MG	1B	3020	1/1	0.88	0.10	23,23,23,23	0
56	MG	2A	3064	1/1	0.88	0.09	34,34,34,34	0
56	MG	1a	1660	1/1	0.88	0.19	39,39,39,39	0
56	MG	1A	8522	1/1	0.88	0.11	34,34,34,34	0
56	MG	1A	8650	1/1	0.88	0.10	39,39,39,39	0
56	MG	2A	3087	1/1	0.88	0.21	54,54,54,54	0
56	MG	2F	309	1/1	0.88	0.14	58,58,58,58	0
56	MG	1A	8674	1/1	0.88	0.14	35,35,35,35	0
56	MG	1A	8328	1/1	0.88	0.17	38,38,38,38	0
56	MG	2a	1730	1/1	0.88	0.10	71,71,71,71	0
56	MG	2A	3810	1/1	0.88	0.10	53,53,53,53	0
56	MG	2A	3817	1/1	0.88	0.36	52,52,52,52	0
56	MG	1A	8685	1/1	0.88	0.10	51,51,51,51	0
56	MG	2a	1743	1/1	0.88	0.25	41,41,41,41	0
56	MG	2A	3105	1/1	0.88	0.14	46,46,46,46	0
56	MG	1a	1680	1/1	0.88	0.12	27,27,27,27	0
56	MG	1a	1681	1/1	0.88	0.14	52,52,52,52	0
56	MG	2Q	203	1/1	0.88	0.11	33,33,33,33	0
56	MG	2A	3119	1/1	0.88	0.09	35,35,35,35	0
56	MG	2A	3406	1/1	0.88	0.11	51,51,51,51	0
56	MG	2A	3121	1/1	0.88	0.17	42,42,42,42	0
56	MG	1a	1787	1/1	0.88	0.28	47,47,47,47	0
56	MG	1A	8273	1/1	0.88	0.08	32,32,32,32	0
56	MG	1a	1684	1/1	0.88	0.10	35,35,35,35	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1685	1/1	0.88	0.12	51,51,51,51	0
56	MG	2A	3858	1/1	0.88	0.13	46,46,46,46	0
56	MG	2A	3646	1/1	0.88	0.11	51,51,51,51	0
56	MG	1A	8831	1/1	0.88	0.10	41,41,41,41	0
56	MG	2A	3434	1/1	0.88	0.10	34,34,34,34	0
56	MG	2A	3446	1/1	0.88	0.15	29,29,29,29	0
56	MG	2A	3869	1/1	0.88	0.13	38,38,38,38	0
56	MG	1A	8550	1/1	0.88	0.12	35,35,35,35	0
56	MG	2a	1794	1/1	0.88	0.18	71,71,71,71	0
56	MG	1A	8027	1/1	0.88	0.12	38,38,38,38	0
56	MG	2A	3153	1/1	0.88	0.12	39,39,39,39	0
56	MG	2A	3165	1/1	0.88	0.11	42,42,42,42	0
56	MG	2A	3885	1/1	0.88	0.12	55,55,55,55	0
56	MG	2a	1623	1/1	0.88	0.30	41,41,41,41	0
56	MG	1A	8262	1/1	0.88	0.11	58,58,58,58	0
56	MG	1A	8711	1/1	0.88	0.13	27,27,27,27	0
56	MG	1a	1823	1/1	0.88	0.12	42,42,42,42	0
56	MG	2A	3199	1/1	0.88	0.20	30,30,30,30	0
56	MG	2a	1815	1/1	0.88	0.13	58,58,58,58	0
56	MG	1a	1716	1/1	0.88	0.19	52,52,52,52	0
56	MG	1a	1721	1/1	0.88	0.09	49,49,49,49	0
56	MG	1a	1829	1/1	0.88	0.08	36,36,36,36	0
56	MG	1A	8200	1/1	0.88	0.15	46,46,46,46	0
56	MG	1a	1727	1/1	0.88	0.10	32,32,32,32	0
56	MG	1A	8592	1/1	0.88	0.09	24,24,24,24	0
56	MG	2l	202	1/1	0.88	0.18	50,50,50,50	0
56	MG	1A	8385	1/1	0.88	0.10	15,15,15,15	0
56	MG	1a	1601	1/1	0.88	0.11	43,43,43,43	0
56	MG	2x	106	1/1	0.88	0.26	52,52,52,52	0
56	MG	1a	1604	1/1	0.88	0.10	50,50,50,50	0
56	MG	2A	3242	1/1	0.88	0.18	30,30,30,30	0
56	MG	2x	110	1/1	0.88	0.06	42,42,42,42	0
56	MG	2A	3505	1/1	0.88	0.13	43,43,43,43	0
56	MG	2A	3934	1/1	0.88	0.13	32,32,32,32	0
56	MG	2A	3394	1/1	0.89	0.12	65,65,65,65	0
56	MG	2A	3581	1/1	0.89	0.12	31,31,31,31	0
56	MG	1A	8666	1/1	0.89	0.10	18,18,18,18	0
56	MG	2A	3402	1/1	0.89	0.10	39,39,39,39	0
56	MG	2a	1682	1/1	0.89	0.10	53,53,53,53	0
56	MG	1q	201	1/1	0.89	0.07	37,37,37,37	0
56	MG	1A	8009	1/1	0.89	0.13	20,20,20,20	0
56	MG	1A	8333	1/1	0.89	0.13	39,39,39,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3774	1/1	0.89	0.18	56,56,56,56	0
56	MG	2B	3011	1/1	0.89	0.10	73,73,73,73	0
56	MG	2a	1696	1/1	0.89	0.12	36,36,36,36	0
56	MG	1A	8542	1/1	0.89	0.12	40,40,40,40	0
56	MG	1E	305	1/1	0.89	0.12	12,12,12,12	0
56	MG	1A	8549	1/1	0.89	0.09	38,38,38,38	0
56	MG	2A	3003	1/1	0.89	0.10	42,42,42,42	0
56	MG	2B	3018	1/1	0.89	0.10	57,57,57,57	0
56	MG	2A	3612	1/1	0.89	0.10	40,40,40,40	0
56	MG	1a	1664	1/1	0.89	0.10	38,38,38,38	0
56	MG	2A	3618	1/1	0.89	0.10	43,43,43,43	0
56	MG	2A	3012	1/1	0.89	0.18	41,41,41,41	0
56	MG	1A	8201	1/1	0.89	0.11	45,45,45,45	0
56	MG	2A	3804	1/1	0.89	0.31	33,33,33,33	0
56	MG	2A	3229	1/1	0.89	0.10	30,30,30,30	0
56	MG	2A	3461	1/1	0.89	0.10	30,30,30,30	0
56	MG	2A	3813	1/1	0.89	0.12	64,64,64,64	0
56	MG	2A	3814	1/1	0.89	0.12	33,33,33,33	0
56	MG	1a	1669	1/1	0.89	0.24	42,42,42,42	0
56	MG	1A	8425	1/1	0.89	0.10	12,12,12,12	0
56	MG	1A	8554	1/1	0.89	0.12	34,34,34,34	0
56	MG	1A	8556	1/1	0.89	0.11	17,17,17,17	0
56	MG	1A	8436	1/1	0.89	0.11	7,7,7,7	0
56	MG	2a	1727	1/1	0.89	0.30	49,49,49,49	0
56	MG	2A	3040	1/1	0.89	0.19	53,53,53,53	0
56	MG	1A	8464	1/1	0.89	0.13	7,7,7,7	0
56	MG	1Q	201	1/1	0.89	0.10	17,17,17,17	0
56	MG	1S	201	1/1	0.89	0.08	23,23,23,23	0
56	MG	1U	201	1/1	0.89	0.07	26,26,26,26	0
56	MG	1A	8734	1/1	0.89	0.12	22,22,22,22	0
56	MG	2a	1740	1/1	0.89	0.14	62,62,62,62	0
56	MG	10	106	1/1	0.89	0.17	46,46,46,46	0
56	MG	1a	1700	1/1	0.89	0.11	45,45,45,45	0
56	MG	1a	1788	1/1	0.89	0.12	42,42,42,42	0
56	MG	2A	3502	1/1	0.89	0.11	47,47,47,47	0
56	MG	1A	8356	1/1	0.89	0.10	9,9,9,9	0
56	MG	2a	1755	1/1	0.89	0.12	52,52,52,52	0
56	MG	2W	3001	1/1	0.89	0.10	45,45,45,45	0
56	MG	2A	3680	1/1	0.89	0.20	38,38,38,38	0
56	MG	2A	3076	1/1	0.89	0.60	44,44,44,44	0
56	MG	15	107	1/1	0.89	0.06	17,17,17,17	0
56	MG	2a	1768	1/1	0.89	0.23	57,57,57,57	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8152	1/1	0.89	0.10	28,28,28,28	0
56	MG	2A	3294	1/1	0.89	0.12	50,50,50,50	0
56	MG	2A	3514	1/1	0.89	0.12	36,36,36,36	0
56	MG	2A	3689	1/1	0.89	0.10	32,32,32,32	0
56	MG	2a	1777	1/1	0.89	0.09	45,45,45,45	0
56	MG	2A	3888	1/1	0.89	0.10	41,41,41,41	0
56	MG	2A	3889	1/1	0.89	0.23	63,63,63,63	0
56	MG	1a	1713	1/1	0.89	0.16	39,39,39,39	0
56	MG	2A	3698	1/1	0.89	0.10	35,35,35,35	0
56	MG	1A	8598	1/1	0.89	0.13	43,43,43,43	0
56	MG	2a	1787	1/1	0.89	0.15	49,49,49,49	0
56	MG	2A	3093	1/1	0.89	0.17	61,61,61,61	0
56	MG	2A	3907	1/1	0.89	0.12	23,23,23,23	0
56	MG	1A	8295	1/1	0.89	0.07	21,21,21,21	0
56	MG	2A	3910	1/1	0.89	0.20	60,60,60,60	0
56	MG	1A	8155	1/1	0.89	0.17	24,24,24,24	0
56	MG	1A	8768	1/1	0.89	0.12	12,12,12,12	0
56	MG	2a	1628	1/1	0.89	0.26	58,58,58,58	0
56	MG	2A	3710	1/1	0.89	0.10	39,39,39,39	0
56	MG	1A	8379	1/1	0.89	0.22	19,19,19,19	0
56	MG	2a	1810	1/1	0.89	0.27	53,53,53,53	0
56	MG	1A	8931	1/1	0.89	0.09	18,18,18,18	0
56	MG	2A	3920	1/1	0.89	0.09	43,43,43,43	0
56	MG	2A	3332	1/1	0.89	0.11	69,69,69,69	0
56	MG	1A	8320	1/1	0.89	0.10	7,7,7,7	0
56	MG	2A	3343	1/1	0.89	0.12	35,35,35,35	0
56	MG	1a	1625	1/1	0.89	0.15	47,47,47,47	0
56	MG	1a	1838	1/1	0.89	0.13	46,46,46,46	0
56	MG	2e	201	1/1	0.89	0.26	56,56,56,56	0
56	MG	1a	1840	1/1	0.89	0.15	55,55,55,55	0
56	MG	1A	8508	1/1	0.89	0.10	34,34,34,34	0
56	MG	2A	3730	1/1	0.89	0.10	50,50,50,50	0
56	MG	1A	8228	1/1	0.89	0.16	13,13,13,13	0
56	MG	1B	3014	1/1	0.89	0.10	31,31,31,31	0
56	MG	2A	3737	1/1	0.89	0.10	44,44,44,44	0
56	MG	1A	8324	1/1	0.89	0.13	17,17,17,17	0
56	MG	2A	3741	1/1	0.89	0.13	69,69,69,69	0
56	MG	1A	8128	1/1	0.89	0.10	40,40,40,40	0
56	MG	1A	8523	1/1	0.89	0.10	23,23,23,23	0
56	MG	2A	3390	1/1	0.89	0.16	45,45,45,45	0
56	MG	1e	201	1/1	0.90	0.12	28,28,28,28	0
56	MG	1A	8651	1/1	0.90	0.10	23,23,23,23	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1612	1/1	0.90	0.25	52,52,52,52	0
56	MG	2A	3123	1/1	0.90	0.08	41,41,41,41	0
56	MG	1a	1613	1/1	0.90	0.25	15,15,15,15	0
56	MG	1A	8398	1/1	0.90	0.12	41,41,41,41	0
56	MG	1A	8467	1/1	0.90	0.13	9,9,9,9	0
56	MG	2a	1700	1/1	0.90	0.13	51,51,51,51	0
56	MG	1A	8284	1/1	0.90	0.21	50,50,50,50	0
56	MG	2D	307	1/1	0.90	0.10	33,33,33,33	0
56	MG	1a	1769	1/1	0.90	0.08	46,46,46,46	0
56	MG	2A	3329	1/1	0.90	0.13	30,30,30,30	0
56	MG	1A	8776	1/1	0.90	0.15	35,35,35,35	0
56	MG	2A	3525	1/1	0.90	0.09	25,25,25,25	0
56	MG	1A	8471	1/1	0.90	0.07	17,17,17,17	0
56	MG	1a	1774	1/1	0.90	0.12	59,59,59,59	0
56	MG	2A	3156	1/1	0.90	0.07	33,33,33,33	0
56	MG	2A	3693	1/1	0.90	0.12	34,34,34,34	0
56	MG	1x	3011	1/1	0.90	0.15	34,34,34,34	0
56	MG	2A	3172	1/1	0.90	0.12	25,25,25,25	0
56	MG	2a	1719	1/1	0.90	0.24	39,39,39,39	0
56	MG	1A	8872	1/1	0.90	0.19	59,59,59,59	0
56	MG	1A	8234	1/1	0.90	0.14	32,32,32,32	0
56	MG	2A	3704	1/1	0.90	0.07	53,53,53,53	0
56	MG	1A	8023	1/1	0.90	0.06	21,21,21,21	0
56	MG	2A	3191	1/1	0.90	0.08	35,35,35,35	0
56	MG	2Q	201	1/1	0.90	0.12	38,38,38,38	0
56	MG	2A	3880	1/1	0.90	0.11	32,32,32,32	0
56	MG	2A	3373	1/1	0.90	0.09	29,29,29,29	0
56	MG	2A	3714	1/1	0.90	0.10	39,39,39,39	0
56	MG	1A	8082	1/1	0.90	0.09	27,27,27,27	0
56	MG	1A	8900	1/1	0.90	0.11	13,13,13,13	0
56	MG	2a	1732	1/1	0.90	0.10	77,77,77,77	0
56	MG	2A	3385	1/1	0.90	0.10	24,24,24,24	0
56	MG	1a	1640	1/1	0.90	0.14	47,47,47,47	0
56	MG	2A	3902	1/1	0.90	0.11	39,39,39,39	0
56	MG	1A	8490	1/1	0.90	0.09	18,18,18,18	0
56	MG	1A	8129	1/1	0.90	0.06	19,19,19,19	0
56	MG	2A	3206	1/1	0.90	0.20	48,48,48,48	0
56	MG	2A	3564	1/1	0.90	0.27	51,51,51,51	0
56	MG	1A	8387	1/1	0.90	0.15	28,28,28,28	0
56	MG	2A	3729	1/1	0.90	0.13	76,76,76,76	0
56	MG	2A	3222	1/1	0.90	0.19	48,48,48,48	0
56	MG	1a	1728	1/1	0.90	0.07	38,38,38,38	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1650	1/1	0.90	0.22	42,42,42,42	0
56	MG	2a	1613	1/1	0.90	0.23	46,46,46,46	0
56	MG	1a	1730	1/1	0.90	0.12	43,43,43,43	0
56	MG	2a	1617	1/1	0.90	0.20	50,50,50,50	0
56	MG	2a	1771	1/1	0.90	0.15	55,55,55,55	0
56	MG	1A	8913	1/1	0.90	0.08	48,48,48,48	0
56	MG	2a	1621	1/1	0.90	0.17	49,49,49,49	0
56	MG	2A	3922	1/1	0.90	0.21	65,65,65,65	0
56	MG	2A	3050	1/1	0.90	0.14	39,39,39,39	0
56	MG	1a	1655	1/1	0.90	0.14	28,28,28,28	0
56	MG	1A	8727	1/1	0.90	0.09	36,36,36,36	0
56	MG	1A	8048	1/1	0.90	0.08	22,22,22,22	0
56	MG	2a	1783	1/1	0.90	0.10	59,59,59,59	0
56	MG	1A	8458	1/1	0.90	0.09	53,53,53,53	0
56	MG	2A	3937	1/1	0.90	0.16	38,38,38,38	0
56	MG	1A	8944	1/1	0.90	0.14	24,24,24,24	0
56	MG	1a	1810	1/1	0.90	0.15	52,52,52,52	0
56	MG	2A	3616	1/1	0.90	0.10	39,39,39,39	0
56	MG	1a	1744	1/1	0.90	0.11	59,59,59,59	0
56	MG	2A	3473	1/1	0.90	0.10	51,51,51,51	0
56	MG	1A	8646	1/1	0.90	0.12	30,30,30,30	0
56	MG	2a	1803	1/1	0.90	0.09	41,41,41,41	0
56	MG	1A	8973	1/1	0.90	0.13	12,12,12,12	0
56	MG	2a	1645	1/1	0.90	0.12	53,53,53,53	0
56	MG	2A	3977	1/1	0.90	0.15	30,30,30,30	0
56	MG	2A	3980	1/1	0.90	0.09	51,51,51,51	0
56	MG	2A	3265	1/1	0.90	0.08	56,56,56,56	0
56	MG	2a	1651	1/1	0.90	0.15	48,48,48,48	0
56	MG	1a	1668	1/1	0.90	0.14	47,47,47,47	0
56	MG	1a	1834	1/1	0.90	0.19	46,46,46,46	0
56	MG	2A	3636	1/1	0.90	0.11	48,48,48,48	0
56	MG	2a	1819	1/1	0.90	0.14	59,59,59,59	0
56	MG	2A	3273	1/1	0.90	0.09	44,44,44,44	0
56	MG	2a	1661	1/1	0.90	0.16	43,43,43,43	0
56	MG	2A	3785	1/1	0.90	0.12	29,29,29,29	0
56	MG	2a	1663	1/1	0.90	0.16	43,43,43,43	0
56	MG	2f	8001	1/1	0.90	0.10	43,43,43,43	0
56	MG	2A	3640	1/1	0.90	0.14	26,26,26,26	0
56	MG	2A	3274	1/1	0.90	0.09	42,42,42,42	0
56	MG	2A	3789	1/1	0.90	0.09	48,48,48,48	0
56	MG	2A	3654	1/1	0.90	0.36	41,41,41,41	0
56	MG	2a	1675	1/1	0.90	0.14	42,42,42,42	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2B	3008	1/1	0.90	0.19	52,52,52,52	0
56	MG	1A	8814	1/1	0.90	0.09	62,62,62,62	0
56	MG	1a	1839	1/1	0.90	0.09	48,48,48,48	0
56	MG	1A	8572	1/1	0.90	0.10	5,5,5,5	0
56	MG	1A	8839	1/1	0.90	0.15	31,31,31,31	0
56	MG	1a	1756	1/1	0.90	0.11	51,51,51,51	0
56	MG	1a	1626	1/1	0.91	0.11	38,38,38,38	0
56	MG	1A	8182	1/1	0.91	0.06	12,12,12,12	0
56	MG	1A	8911	1/1	0.91	0.18	32,32,32,32	0
56	MG	1A	8370	1/1	0.91	0.11	10,10,10,10	0
56	MG	2A	3550	1/1	0.91	0.22	50,50,50,50	0
56	MG	2A	3279	1/1	0.91	0.09	49,49,49,49	0
56	MG	2A	3827	1/1	0.91	0.17	66,66,66,66	0
56	MG	2A	3830	1/1	0.91	0.11	42,42,42,42	0
56	MG	1a	1638	1/1	0.91	0.11	27,27,27,27	0
56	MG	2A	3035	1/1	0.91	0.08	37,37,37,37	0
56	MG	1A	8470	1/1	0.91	0.11	39,39,39,39	0
56	MG	2a	1629	1/1	0.91	0.20	53,53,53,53	0
56	MG	1A	8183	1/1	0.91	0.07	24,24,24,24	0
56	MG	1A	8473	1/1	0.91	0.18	35,35,35,35	0
56	MG	2A	3567	1/1	0.91	0.09	43,43,43,43	0
56	MG	2A	3572	1/1	0.91	0.12	56,56,56,56	0
56	MG	2A	3574	1/1	0.91	0.10	31,31,31,31	0
56	MG	2A	3575	1/1	0.91	0.10	42,42,42,42	0
56	MG	1A	8478	1/1	0.91	0.37	9,9,9,9	0
56	MG	1A	8374	1/1	0.91	0.11	41,41,41,41	0
56	MG	1A	8972	1/1	0.91	0.21	20,20,20,20	0
56	MG	2A	3310	1/1	0.91	0.09	25,25,25,25	0
56	MG	1A	8034	1/1	0.91	0.07	24,24,24,24	0
56	MG	2A	3058	1/1	0.91	0.11	42,42,42,42	0
56	MG	1A	8601	1/1	0.91	0.16	36,36,36,36	0
56	MG	2a	1652	1/1	0.91	0.14	28,28,28,28	0
56	MG	2a	1653	1/1	0.91	0.21	40,40,40,40	0
56	MG	2A	3319	1/1	0.91	0.10	68,68,68,68	0
56	MG	2A	3062	1/1	0.91	0.17	37,37,37,37	0
56	MG	2A	3604	1/1	0.91	0.10	43,43,43,43	0
56	MG	2A	3321	1/1	0.91	0.09	18,18,18,18	0
56	MG	2A	3323	1/1	0.91	0.11	47,47,47,47	0
56	MG	2A	3611	1/1	0.91	0.42	34,34,34,34	0
56	MG	1A	8485	1/1	0.91	0.07	30,30,30,30	0
56	MG	1a	1657	1/1	0.91	0.19	55,55,55,55	0
56	MG	1a	1658	1/1	0.91	0.17	29,29,29,29	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	3008	1/1	0.91	0.06	35,35,35,35	0
56	MG	2A	3897	1/1	0.91	0.12	59,59,59,59	0
56	MG	2A	3338	1/1	0.91	0.19	40,40,40,40	0
56	MG	2A	3901	1/1	0.91	0.08	29,29,29,29	0
56	MG	1A	8093	1/1	0.91	0.08	20,20,20,20	0
56	MG	2A	3341	1/1	0.91	0.09	43,43,43,43	0
56	MG	1A	8386	1/1	0.91	0.12	16,16,16,16	0
56	MG	2A	3344	1/1	0.91	0.09	41,41,41,41	0
56	MG	2A	3632	1/1	0.91	0.11	38,38,38,38	0
56	MG	2a	1684	1/1	0.91	0.20	41,41,41,41	0
56	MG	2A	3356	1/1	0.91	0.11	30,30,30,30	0
56	MG	2A	3081	1/1	0.91	0.08	27,27,27,27	0
56	MG	1A	8491	1/1	0.91	0.09	9,9,9,9	0
56	MG	2a	1693	1/1	0.91	0.09	47,47,47,47	0
56	MG	2a	1694	1/1	0.91	0.10	28,28,28,28	0
56	MG	2A	3639	1/1	0.91	0.19	41,41,41,41	0
56	MG	1A	8623	1/1	0.91	0.29	18,18,18,18	0
56	MG	1A	8261	1/1	0.91	0.21	55,55,55,55	0
56	MG	1A	8497	1/1	0.91	0.08	20,20,20,20	0
56	MG	1D	307	1/1	0.91	0.19	20,20,20,20	0
56	MG	2A	3100	1/1	0.91	0.13	37,37,37,37	0
56	MG	1A	8104	1/1	0.91	0.09	44,44,44,44	0
56	MG	2A	3374	1/1	0.91	0.08	57,57,57,57	0
56	MG	1A	8504	1/1	0.91	0.07	30,30,30,30	0
56	MG	1A	8643	1/1	0.91	0.20	28,28,28,28	0
56	MG	2A	3382	1/1	0.91	0.10	38,38,38,38	0
56	MG	2A	3944	1/1	0.91	0.25	28,28,28,28	0
56	MG	2A	3384	1/1	0.91	0.09	40,40,40,40	0
56	MG	2A	3954	1/1	0.91	0.29	41,41,41,41	0
56	MG	1a	1793	1/1	0.91	0.08	45,45,45,45	0
56	MG	1a	1794	1/1	0.91	0.12	43,43,43,43	0
56	MG	2A	3391	1/1	0.91	0.10	20,20,20,20	0
56	MG	2A	3677	1/1	0.91	0.16	60,60,60,60	0
56	MG	1A	8105	1/1	0.91	0.16	12,12,12,12	0
56	MG	1A	8806	1/1	0.91	0.23	16,16,16,16	0
56	MG	2A	3971	1/1	0.91	0.17	41,41,41,41	0
56	MG	1a	1798	1/1	0.91	0.12	48,48,48,48	0
56	MG	1a	1799	1/1	0.91	0.06	35,35,35,35	0
56	MG	2A	3412	1/1	0.91	0.10	21,21,21,21	0
56	MG	1F	310	1/1	0.91	0.10	29,29,29,29	0
56	MG	2A	3419	1/1	0.91	0.08	48,48,48,48	0
56	MG	1A	8202	1/1	0.91	0.11	11,11,11,11	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3143	1/1	0.91	0.08	33,33,33,33	0
56	MG	1a	1803	1/1	0.91	0.10	47,47,47,47	0
56	MG	2A	3149	1/1	0.91	0.14	32,32,32,32	0
56	MG	2B	3004	1/1	0.91	0.10	63,63,63,63	0
56	MG	1A	8327	1/1	0.91	0.07	32,32,32,32	0
56	MG	2A	3152	1/1	0.91	0.10	32,32,32,32	0
56	MG	2A	3442	1/1	0.91	0.08	23,23,23,23	0
56	MG	2A	3444	1/1	0.91	0.08	32,32,32,32	0
56	MG	1A	8818	1/1	0.91	0.30	33,33,33,33	0
56	MG	2a	1749	1/1	0.91	0.08	57,57,57,57	0
56	MG	2B	3010	1/1	0.91	0.12	38,38,38,38	0
56	MG	1a	1821	1/1	0.91	0.20	39,39,39,39	0
56	MG	1A	8654	1/1	0.91	0.24	32,32,32,32	0
56	MG	2A	3169	1/1	0.91	0.24	31,31,31,31	0
56	MG	1A	8662	1/1	0.91	0.13	29,29,29,29	0
56	MG	1A	8269	1/1	0.91	0.07	23,23,23,23	0
56	MG	2a	1764	1/1	0.91	0.14	55,55,55,55	0
56	MG	2A	3177	1/1	0.91	0.22	56,56,56,56	0
56	MG	1A	8847	1/1	0.91	0.17	16,16,16,16	0
56	MG	1a	1710	1/1	0.91	0.08	47,47,47,47	0
56	MG	1a	1836	1/1	0.91	0.16	36,36,36,36	0
56	MG	2A	3195	1/1	0.91	0.14	31,31,31,31	0
56	MG	2A	3196	1/1	0.91	0.22	31,31,31,31	0
56	MG	2A	3197	1/1	0.91	0.14	37,37,37,37	0
56	MG	2D	303	1/1	0.91	0.09	25,25,25,25	0
56	MG	1A	8667	1/1	0.91	0.11	40,40,40,40	0
56	MG	1A	8119	1/1	0.91	0.14	29,29,29,29	0
56	MG	1A	8526	1/1	0.91	0.08	42,42,42,42	0
56	MG	1A	8336	1/1	0.91	0.10	32,32,32,32	0
56	MG	1A	8868	1/1	0.91	0.09	22,22,22,22	0
56	MG	1A	8686	1/1	0.91	0.09	38,38,38,38	0
56	MG	2a	1786	1/1	0.91	0.11	48,48,48,48	0
56	MG	2E	306	1/1	0.91	0.09	44,44,44,44	0
56	MG	2A	3207	1/1	0.91	0.36	44,44,44,44	0
56	MG	2A	3209	1/1	0.91	0.25	37,37,37,37	0
56	MG	2A	3743	1/1	0.91	0.18	47,47,47,47	0
56	MG	1A	8423	1/1	0.91	0.11	28,28,28,28	0
56	MG	1A	8879	1/1	0.91	0.13	25,25,25,25	0
56	MG	2A	3507	1/1	0.91	0.10	43,43,43,43	0
56	MG	2A	3508	1/1	0.91	0.14	44,44,44,44	0
56	MG	1l	201	1/1	0.91	0.11	42,42,42,42	0
56	MG	1a	1605	1/1	0.91	0.19	43,43,43,43	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3511	1/1	0.91	0.15	39,39,39,39	0
56	MG	1a	1607	1/1	0.91	0.12	49,49,49,49	0
56	MG	1A	8538	1/1	0.91	0.09	14,14,14,14	0
56	MG	2A	3237	1/1	0.91	0.24	45,45,45,45	0
56	MG	2U	202	1/1	0.91	0.08	50,50,50,50	0
56	MG	1o	101	1/1	0.91	0.16	50,50,50,50	0
56	MG	1a	1736	1/1	0.91	0.10	40,40,40,40	0
56	MG	1a	1737	1/1	0.91	0.08	40,40,40,40	0
56	MG	2U	207	1/1	0.91	0.09	29,29,29,29	0
56	MG	2A	3779	1/1	0.91	0.10	34,34,34,34	0
56	MG	2A	3526	1/1	0.91	0.14	46,46,46,46	0
56	MG	20	101	1/1	0.91	0.16	46,46,46,46	0
56	MG	1A	8882	1/1	0.91	0.07	38,38,38,38	0
56	MG	1A	8274	1/1	0.91	0.06	23,23,23,23	0
56	MG	1A	8340	1/1	0.91	0.10	19,19,19,19	0
56	MG	2x	101	1/1	0.91	0.10	48,48,48,48	0
56	MG	2x	102	1/1	0.91	0.07	51,51,51,51	0
56	MG	23	102	1/1	0.91	0.15	41,41,41,41	0
56	MG	1a	1743	1/1	0.91	0.16	41,41,41,41	0
56	MG	1A	8061	1/1	0.91	0.12	41,41,41,41	0
56	MG	1A	8902	1/1	0.91	0.21	51,51,51,51	0
56	MG	1A	8716	1/1	0.91	0.10	39,39,39,39	0
56	MG	2A	3802	1/1	0.91	0.13	54,54,54,54	0
56	MG	2A	3803	1/1	0.91	0.27	71,71,71,71	0
59	K	1x	3001	1/1	0.91	0.16	46,46,46,46	0
56	MG	1A	8050	1/1	0.91	0.08	23,23,23,23	0
56	MG	1A	8691	1/1	0.92	0.09	14,14,14,14	0
56	MG	2A	3862	1/1	0.92	0.11	32,32,32,32	0
56	MG	1A	8621	1/1	0.92	0.15	24,24,24,24	0
56	MG	1A	8331	1/1	0.92	0.10	19,19,19,19	0
56	MG	1d	503	1/1	0.92	0.15	38,38,38,38	0
56	MG	2A	3167	1/1	0.92	0.08	26,26,26,26	0
56	MG	2A	3393	1/1	0.92	0.10	27,27,27,27	0
56	MG	1d	504	1/1	0.92	0.08	45,45,45,45	0
56	MG	2a	1633	1/1	0.92	0.17	41,41,41,41	0
56	MG	1A	8706	1/1	0.92	0.07	39,39,39,39	0
56	MG	2A	3401	1/1	0.92	0.11	38,38,38,38	0
56	MG	1a	1620	1/1	0.92	0.10	46,46,46,46	0
56	MG	1B	3005	1/1	0.92	0.09	34,34,34,34	0
56	MG	2A	3408	1/1	0.92	0.09	38,38,38,38	0
56	MG	1g	3001	1/1	0.92	0.16	38,38,38,38	0
56	MG	2A	3643	1/1	0.92	0.12	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3891	1/1	0.92	0.12	43,43,43,43	0
56	MG	2A	3181	1/1	0.92	0.10	31,31,31,31	0
56	MG	2a	1648	1/1	0.92	0.24	33,33,33,33	0
56	MG	2A	3416	1/1	0.92	0.09	28,28,28,28	0
56	MG	2A	3417	1/1	0.92	0.11	51,51,51,51	0
56	MG	1A	8171	1/1	0.92	0.10	28,28,28,28	0
56	MG	2A	3659	1/1	0.92	0.10	30,30,30,30	0
56	MG	2A	3185	1/1	0.92	0.13	45,45,45,45	0
56	MG	2A	3422	1/1	0.92	0.08	45,45,45,45	0
56	MG	2A	3424	1/1	0.92	0.22	50,50,50,50	0
56	MG	1B	3011	1/1	0.92	0.07	39,39,39,39	0
56	MG	2A	3909	1/1	0.92	0.30	29,29,29,29	0
56	MG	1A	8260	1/1	0.92	0.14	28,28,28,28	0
56	MG	1a	1631	1/1	0.92	0.14	34,34,34,34	0
56	MG	1A	8092	1/1	0.92	0.33	17,17,17,17	0
56	MG	2A	3672	1/1	0.92	0.12	46,46,46,46	0
56	MG	1A	8505	1/1	0.92	0.12	24,24,24,24	0
56	MG	1A	8001	1/1	0.92	0.08	37,37,37,37	0
56	MG	1B	3021	1/1	0.92	0.07	28,28,28,28	0
56	MG	1a	1747	1/1	0.92	0.10	65,65,65,65	0
56	MG	1A	8063	1/1	0.92	0.07	22,22,22,22	0
56	MG	1A	8863	1/1	0.92	0.14	24,24,24,24	0
56	MG	1D	303	1/1	0.92	0.07	17,17,17,17	0
56	MG	2A	3926	1/1	0.92	0.20	36,36,36,36	0
56	MG	1a	1644	1/1	0.92	0.20	38,38,38,38	0
56	MG	2A	3463	1/1	0.92	0.09	42,42,42,42	0
56	MG	1D	305	1/1	0.92	0.14	18,18,18,18	0
56	MG	2A	3469	1/1	0.92	0.13	31,31,31,31	0
56	MG	2A	3939	1/1	0.92	0.13	43,43,43,43	0
56	MG	1D	306	1/1	0.92	0.06	21,21,21,21	0
56	MG	2A	3950	1/1	0.92	0.12	41,41,41,41	0
56	MG	2A	3691	1/1	0.92	0.16	29,29,29,29	0
56	MG	1A	8736	1/1	0.92	0.30	38,38,38,38	0
56	MG	2A	3957	1/1	0.92	0.12	41,41,41,41	0
56	MG	1A	8649	1/1	0.92	0.19	18,18,18,18	0
56	MG	2A	3960	1/1	0.92	0.46	45,45,45,45	0
56	MG	2A	3961	1/1	0.92	0.27	35,35,35,35	0
56	MG	1A	8743	1/1	0.92	0.24	14,14,14,14	0
56	MG	2a	1704	1/1	0.92	0.17	38,38,38,38	0
56	MG	2A	3022	1/1	0.92	0.26	29,29,29,29	0
56	MG	2A	3025	1/1	0.92	0.15	33,33,33,33	0
56	MG	1A	8578	1/1	0.92	0.08	10,10,10,10	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3240	1/1	0.92	0.11	57,57,57,57	0
56	MG	2A	3970	1/1	0.92	0.20	53,53,53,53	0
56	MG	2A	3241	1/1	0.92	0.07	49,49,49,49	0
56	MG	2A	3972	1/1	0.92	0.09	31,31,31,31	0
56	MG	2A	3487	1/1	0.92	0.21	26,26,26,26	0
56	MG	2A	3713	1/1	0.92	0.08	24,24,24,24	0
56	MG	1A	8583	1/1	0.92	0.13	8,8,8,8	0
56	MG	2A	3033	1/1	0.92	0.18	28,28,28,28	0
56	MG	2A	3984	1/1	0.92	0.21	37,37,37,37	0
56	MG	1A	8013	1/1	0.92	0.09	20,20,20,20	0
56	MG	2A	3986	1/1	0.92	0.10	37,37,37,37	0
56	MG	1A	8757	1/1	0.92	0.18	42,42,42,42	0
56	MG	1a	1770	1/1	0.92	0.14	47,47,47,47	0
56	MG	1A	8655	1/1	0.92	0.13	22,22,22,22	0
56	MG	2A	3258	1/1	0.92	0.07	36,36,36,36	0
56	MG	1a	1663	1/1	0.92	0.10	51,51,51,51	0
56	MG	1A	8885	1/1	0.92	0.08	31,31,31,31	0
56	MG	2A	3727	1/1	0.92	0.18	44,44,44,44	0
56	MG	1a	1665	1/1	0.92	0.18	51,51,51,51	0
56	MG	1a	1666	1/1	0.92	0.17	31,31,31,31	0
56	MG	1A	8763	1/1	0.92	0.14	28,28,28,28	0
56	MG	2a	1733	1/1	0.92	0.09	69,69,69,69	0
56	MG	1A	8897	1/1	0.92	0.11	48,48,48,48	0
56	MG	1A	8043	1/1	0.92	0.06	24,24,24,24	0
56	MG	2B	3012	1/1	0.92	0.15	52,52,52,52	0
56	MG	2a	1742	1/1	0.92	0.09	62,62,62,62	0
56	MG	1A	8120	1/1	0.92	0.13	53,53,53,53	0
56	MG	2A	3275	1/1	0.92	0.07	42,42,42,42	0
56	MG	2a	1746	1/1	0.92	0.08	59,59,59,59	0
56	MG	1R	204	1/1	0.92	0.07	26,26,26,26	0
56	MG	1A	8242	1/1	0.92	0.07	44,44,44,44	0
56	MG	2a	1751	1/1	0.92	0.09	50,50,50,50	0
56	MG	1a	1678	1/1	0.92	0.08	43,43,43,43	0
56	MG	1a	1679	1/1	0.92	0.07	36,36,36,36	0
56	MG	2A	3747	1/1	0.92	0.12	39,39,39,39	0
56	MG	2a	1757	1/1	0.92	0.11	55,55,55,55	0
56	MG	1A	8669	1/1	0.92	0.09	27,27,27,27	0
56	MG	2a	1759	1/1	0.92	0.14	76,76,76,76	0
56	MG	1V	201	1/1	0.92	0.09	28,28,28,28	0
56	MG	2A	3754	1/1	0.92	0.17	36,36,36,36	0
56	MG	1A	8670	1/1	0.92	0.32	41,41,41,41	0
56	MG	1a	1683	1/1	0.92	0.14	39,39,39,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3759	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3760	1/1	0.92	0.10	47,47,47,47	0
56	MG	2A	3089	1/1	0.92	0.12	34,34,34,34	0
56	MG	2A	3301	1/1	0.92	0.13	52,52,52,52	0
56	MG	10	104	1/1	0.92	0.13	41,41,41,41	0
56	MG	2A	3767	1/1	0.92	0.10	52,52,52,52	0
56	MG	1A	8672	1/1	0.92	0.10	19,19,19,19	0
56	MG	2F	304	1/1	0.92	0.11	44,44,44,44	0
56	MG	2A	3772	1/1	0.92	0.10	43,43,43,43	0
56	MG	10	108	1/1	0.92	0.15	35,35,35,35	0
56	MG	2A	3094	1/1	0.92	0.16	38,38,38,38	0
56	MG	2A	3097	1/1	0.92	0.18	38,38,38,38	0
56	MG	1a	1689	1/1	0.92	0.14	41,41,41,41	0
56	MG	2A	3549	1/1	0.92	0.08	39,39,39,39	0
56	MG	2A	3780	1/1	0.92	0.13	44,44,44,44	0
56	MG	1A	8789	1/1	0.92	0.12	22,22,22,22	0
56	MG	2A	3101	1/1	0.92	0.16	48,48,48,48	0
56	MG	2A	3325	1/1	0.92	0.14	35,35,35,35	0
56	MG	1a	1694	1/1	0.92	0.12	27,27,27,27	0
56	MG	2a	1798	1/1	0.92	0.10	49,49,49,49	0
56	MG	1a	1696	1/1	0.92	0.13	54,54,54,54	0
56	MG	2a	1801	1/1	0.92	0.15	61,61,61,61	0
56	MG	2A	3112	1/1	0.92	0.10	29,29,29,29	0
56	MG	2A	3796	1/1	0.92	0.09	29,29,29,29	0
56	MG	1A	8121	1/1	0.92	0.07	19,19,19,19	0
56	MG	1A	8532	1/1	0.92	0.20	15,15,15,15	0
56	MG	1a	1809	1/1	0.92	0.11	51,51,51,51	0
56	MG	2A	3122	1/1	0.92	0.10	55,55,55,55	0
56	MG	2V	201	1/1	0.92	0.07	32,32,32,32	0
56	MG	1A	8612	1/1	0.92	0.09	8,8,8,8	0
56	MG	2a	1814	1/1	0.92	0.09	40,40,40,40	0
56	MG	2X	101	1/1	0.92	0.08	33,33,33,33	0
56	MG	1a	1817	1/1	0.92	0.15	52,52,52,52	0
56	MG	2A	3577	1/1	0.92	0.11	25,25,25,25	0
56	MG	2a	1820	1/1	0.92	0.14	60,60,60,60	0
56	MG	20	102	1/1	0.92	0.13	43,43,43,43	0
56	MG	2A	3346	1/1	0.92	0.08	29,29,29,29	0
56	MG	2A	3582	1/1	0.92	0.07	27,27,27,27	0
56	MG	1A	8281	1/1	0.92	0.09	28,28,28,28	0
56	MG	2A	3128	1/1	0.92	0.11	48,48,48,48	0
56	MG	2A	3588	1/1	0.92	0.11	44,44,44,44	0
56	MG	27	101	1/1	0.92	0.28	39,39,39,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8433	1/1	0.92	0.09	14,14,14,14	0
56	MG	2n	502	1/1	0.92	0.12	55,55,55,55	0
56	MG	2v	101	1/1	0.92	0.10	61,61,61,61	0
56	MG	2A	3133	1/1	0.92	0.22	39,39,39,39	0
56	MG	1A	8384	1/1	0.92	0.10	36,36,36,36	0
56	MG	1a	1714	1/1	0.92	0.08	42,42,42,42	0
56	MG	2A	3140	1/1	0.92	0.12	25,25,25,25	0
56	MG	2A	3142	1/1	0.92	0.11	36,36,36,36	0
56	MG	2x	107	1/1	0.92	0.09	52,52,52,52	0
56	MG	1a	1608	1/1	0.92	0.09	47,47,47,47	0
56	MG	1a	1610	1/1	0.92	0.14	36,36,36,36	0
56	MG	2a	1616	1/1	0.92	0.12	37,37,37,37	0
56	MG	2A	3375	1/1	0.92	0.11	24,24,24,24	0
56	MG	1A	8949	1/1	0.92	0.18	16,16,16,16	0
56	MG	1A	8970	1/1	0.92	0.12	29,29,29,29	0
56	MG	2a	1603	1/1	0.93	0.12	45,45,45,45	0
56	MG	2a	1606	1/1	0.93	0.21	35,35,35,35	0
56	MG	1A	8321	1/1	0.93	0.15	5,5,5,5	0
56	MG	2A	3566	1/1	0.93	0.18	43,43,43,43	0
56	MG	2A	3086	1/1	0.93	0.28	40,40,40,40	0
56	MG	2A	3815	1/1	0.93	0.07	33,33,33,33	0
56	MG	2A	3568	1/1	0.93	0.11	22,22,22,22	0
56	MG	2a	1614	1/1	0.93	0.14	49,49,49,49	0
56	MG	1A	8517	1/1	0.93	0.10	32,32,32,32	0
56	MG	2A	3322	1/1	0.93	0.07	37,37,37,37	0
56	MG	2A	3828	1/1	0.93	0.18	58,58,58,58	0
56	MG	1A	8322	1/1	0.93	0.07	45,45,45,45	0
56	MG	2A	3324	1/1	0.93	0.09	33,33,33,33	0
56	MG	2A	3090	1/1	0.93	0.10	39,39,39,39	0
56	MG	2A	3580	1/1	0.93	0.18	49,49,49,49	0
56	MG	1A	8123	1/1	0.93	0.40	22,22,22,22	0
56	MG	1a	1784	1/1	0.93	0.12	54,54,54,54	0
56	MG	1A	8251	1/1	0.93	0.07	33,33,33,33	0
56	MG	2A	3585	1/1	0.93	0.22	33,33,33,33	0
56	MG	1A	8035	1/1	0.93	0.10	30,30,30,30	0
56	MG	2A	3850	1/1	0.93	0.10	39,39,39,39	0
56	MG	2a	1632	1/1	0.93	0.22	51,51,51,51	0
56	MG	2A	3852	1/1	0.93	0.10	40,40,40,40	0
56	MG	2a	1634	1/1	0.93	0.07	54,54,54,54	0
56	MG	1A	8829	1/1	0.93	0.21	42,42,42,42	0
56	MG	1A	8060	1/1	0.93	0.07	31,31,31,31	0
56	MG	1A	8040	1/1	0.93	0.15	32,32,32,32	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3860	1/1	0.93	0.10	46,46,46,46	0
56	MG	1A	8329	1/1	0.93	0.07	24,24,24,24	0
56	MG	1G	3001	1/1	0.93	0.07	52,52,52,52	0
56	MG	2A	3599	1/1	0.93	0.06	48,48,48,48	0
56	MG	2a	1644	1/1	0.93	0.11	46,46,46,46	0
56	MG	1A	8003	1/1	0.93	0.09	29,29,29,29	0
56	MG	1A	8443	1/1	0.93	0.07	13,13,13,13	0
56	MG	1A	8147	1/1	0.93	0.19	18,18,18,18	0
56	MG	2A	3117	1/1	0.93	0.15	45,45,45,45	0
56	MG	2A	3871	1/1	0.93	0.08	56,56,56,56	0
56	MG	2A	3607	1/1	0.93	0.08	37,37,37,37	0
56	MG	2A	3118	1/1	0.93	0.25	48,48,48,48	0
56	MG	1A	8861	1/1	0.93	0.09	39,39,39,39	0
56	MG	2A	3613	1/1	0.93	0.09	62,62,62,62	0
56	MG	1P	201	1/1	0.93	0.10	18,18,18,18	0
56	MG	2A	3886	1/1	0.93	0.08	43,43,43,43	0
56	MG	2a	1657	1/1	0.93	0.18	38,38,38,38	0
56	MG	1A	8463	1/1	0.93	0.09	7,7,7,7	0
56	MG	1A	8335	1/1	0.93	0.17	38,38,38,38	0
56	MG	1A	8110	1/1	0.93	0.17	14,14,14,14	0
56	MG	1A	8555	1/1	0.93	0.08	37,37,37,37	0
56	MG	1A	8064	1/1	0.93	0.07	23,23,23,23	0
56	MG	2A	3895	1/1	0.93	0.09	27,27,27,27	0
56	MG	2A	3627	1/1	0.93	0.06	55,55,55,55	0
56	MG	2a	1669	1/1	0.93	0.11	40,40,40,40	0
56	MG	2a	1670	1/1	0.93	0.11	53,53,53,53	0
56	MG	2a	1671	1/1	0.93	0.08	34,34,34,34	0
56	MG	1A	8206	1/1	0.93	0.15	18,18,18,18	0
56	MG	1V	203	1/1	0.93	0.07	40,40,40,40	0
56	MG	1A	8565	1/1	0.93	0.23	17,17,17,17	0
56	MG	1A	8697	1/1	0.93	0.08	32,32,32,32	0
56	MG	1a	1698	1/1	0.93	0.06	29,29,29,29	0
56	MG	1a	1827	1/1	0.93	0.12	62,62,62,62	0
56	MG	1A	8158	1/1	0.93	0.08	27,27,27,27	0
56	MG	1A	8029	1/1	0.93	0.09	15,15,15,15	0
56	MG	2A	3911	1/1	0.93	0.12	53,53,53,53	0
56	MG	2A	3147	1/1	0.93	0.20	36,36,36,36	0
56	MG	1a	1702	1/1	0.93	0.08	48,48,48,48	0
56	MG	2A	3648	1/1	0.93	0.09	34,34,34,34	0
56	MG	2A	3650	1/1	0.93	0.10	36,36,36,36	0
56	MG	2A	3653	1/1	0.93	0.11	41,41,41,41	0
56	MG	1a	1703	1/1	0.93	0.14	48,48,48,48	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1837	1/1	0.93	0.14	39,39,39,39	0
56	MG	15	103	1/1	0.93	0.14	20,20,20,20	0
56	MG	2A	3407	1/1	0.93	0.12	29,29,29,29	0
56	MG	1A	8169	1/1	0.93	0.22	16,16,16,16	0
56	MG	2a	1701	1/1	0.93	0.14	82,82,82,82	0
56	MG	2A	3661	1/1	0.93	0.14	36,36,36,36	0
56	MG	1A	8479	1/1	0.93	0.11	38,38,38,38	0
56	MG	1A	8231	1/1	0.93	0.07	25,25,25,25	0
56	MG	19	104	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	8283	1/1	0.93	0.14	13,13,13,13	0
56	MG	1a	1719	1/1	0.93	0.10	35,35,35,35	0
56	MG	1a	1720	1/1	0.93	0.12	49,49,49,49	0
56	MG	2A	3946	1/1	0.93	0.48	29,29,29,29	0
56	MG	1A	8901	1/1	0.93	0.09	34,34,34,34	0
56	MG	1a	1724	1/1	0.93	0.11	50,50,50,50	0
56	MG	1A	8718	1/1	0.93	0.16	27,27,27,27	0
56	MG	2A	3955	1/1	0.93	0.25	35,35,35,35	0
56	MG	2A	3427	1/1	0.93	0.11	22,22,22,22	0
56	MG	2A	3678	1/1	0.93	0.15	49,49,49,49	0
56	MG	2A	3959	1/1	0.93	0.30	38,38,38,38	0
56	MG	2A	3183	1/1	0.93	0.13	36,36,36,36	0
56	MG	1a	1606	1/1	0.93	0.18	36,36,36,36	0
56	MG	1A	8719	1/1	0.93	0.12	9,9,9,9	0
56	MG	2A	3192	1/1	0.93	0.11	29,29,29,29	0
56	MG	1A	8904	1/1	0.93	0.09	41,41,41,41	0
56	MG	1A	8594	1/1	0.93	0.09	36,36,36,36	0
56	MG	2A	3445	1/1	0.93	0.07	42,42,42,42	0
56	MG	2A	3687	1/1	0.93	0.07	30,30,30,30	0
56	MG	1A	8597	1/1	0.93	0.17	14,14,14,14	0
56	MG	1o	102	1/1	0.93	0.06	26,26,26,26	0
56	MG	1A	8233	1/1	0.93	0.12	21,21,21,21	0
56	MG	2A	3692	1/1	0.93	0.12	33,33,33,33	0
56	MG	1A	8486	1/1	0.93	0.10	26,26,26,26	0
56	MG	1x	3004	1/1	0.93	0.15	47,47,47,47	0
56	MG	2a	1736	1/1	0.93	0.11	68,68,68,68	0
56	MG	2a	1737	1/1	0.93	0.09	53,53,53,53	0
56	MG	1A	8378	1/1	0.93	0.12	24,24,24,24	0
56	MG	2A	3465	1/1	0.93	0.12	23,23,23,23	0
56	MG	1A	8604	1/1	0.93	0.10	29,29,29,29	0
56	MG	1A	8930	1/1	0.93	0.16	23,23,23,23	0
56	MG	2A	3471	1/1	0.93	0.07	35,35,35,35	0
56	MG	2A	3472	1/1	0.93	0.08	29,29,29,29	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3208	1/1	0.93	0.09	31,31,31,31	0
56	MG	2A	3474	1/1	0.93	0.07	37,37,37,37	0
56	MG	1A	8605	1/1	0.93	0.21	41,41,41,41	0
56	MG	2A	3217	1/1	0.93	0.27	30,30,30,30	0
56	MG	1a	1741	1/1	0.93	0.09	47,47,47,47	0
56	MG	2A	3002	1/1	0.93	0.15	28,28,28,28	0
56	MG	1A	8608	1/1	0.93	0.14	29,29,29,29	0
56	MG	2A	3004	1/1	0.93	0.08	39,39,39,39	0
56	MG	2a	1760	1/1	0.93	0.08	56,56,56,56	0
56	MG	1a	1624	1/1	0.93	0.15	34,34,34,34	0
56	MG	2A	3723	1/1	0.93	0.13	45,45,45,45	0
56	MG	2A	3010	1/1	0.93	0.19	28,28,28,28	0
56	MG	2a	1765	1/1	0.93	0.25	47,47,47,47	0
56	MG	2A	3236	1/1	0.93	0.25	46,46,46,46	0
56	MG	2a	1767	1/1	0.93	0.21	65,65,65,65	0
56	MG	2A	3489	1/1	0.93	0.08	27,27,27,27	0
56	MG	1A	8610	1/1	0.93	0.15	41,41,41,41	0
56	MG	1A	8489	1/1	0.93	0.20	9,9,9,9	0
56	MG	2A	3016	1/1	0.93	0.44	34,34,34,34	0
56	MG	2A	3496	1/1	0.93	0.08	36,36,36,36	0
56	MG	1a	1628	1/1	0.93	0.12	39,39,39,39	0
56	MG	2A	3020	1/1	0.93	0.18	26,26,26,26	0
56	MG	2A	3738	1/1	0.93	0.11	43,43,43,43	0
56	MG	2A	3021	1/1	0.93	0.18	30,30,30,30	0
56	MG	1A	8966	1/1	0.93	0.07	22,22,22,22	0
56	MG	2D	306	1/1	0.93	0.11	34,34,34,34	0
56	MG	2A	3249	1/1	0.93	0.18	31,31,31,31	0
56	MG	1A	8170	1/1	0.93	0.14	23,23,23,23	0
56	MG	2D	314	1/1	0.93	0.07	25,25,25,25	0
56	MG	2A	3029	1/1	0.93	0.76	31,31,31,31	0
56	MG	1a	1750	1/1	0.93	0.07	56,56,56,56	0
56	MG	2a	1793	1/1	0.93	0.10	52,52,52,52	0
56	MG	2E	301	1/1	0.93	0.12	37,37,37,37	0
56	MG	1A	8380	1/1	0.93	0.07	16,16,16,16	0
56	MG	1A	8026	1/1	0.93	0.17	10,10,10,10	0
56	MG	2A	3262	1/1	0.93	0.08	38,38,38,38	0
56	MG	2F	301	1/1	0.93	0.10	43,43,43,43	0
56	MG	2a	1800	1/1	0.93	0.09	39,39,39,39	0
56	MG	1A	8618	1/1	0.93	0.18	41,41,41,41	0
56	MG	2A	3756	1/1	0.93	0.12	28,28,28,28	0
56	MG	1A	8780	1/1	0.93	0.17	10,10,10,10	0
56	MG	2A	3521	1/1	0.93	0.14	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	3004	1/1	0.93	0.14	35,35,35,35	0
56	MG	2A	3039	1/1	0.93	0.12	38,38,38,38	0
56	MG	1A	8781	1/1	0.93	0.08	14,14,14,14	0
56	MG	1A	8307	1/1	0.93	0.06	18,18,18,18	0
56	MG	2A	3042	1/1	0.93	0.16	38,38,38,38	0
56	MG	2A	3043	1/1	0.93	0.09	42,42,42,42	0
56	MG	2P	201	1/1	0.93	0.10	38,38,38,38	0
56	MG	1B	3010	1/1	0.93	0.20	44,44,44,44	0
56	MG	1a	1645	1/1	0.93	0.22	34,34,34,34	0
56	MG	1a	1766	1/1	0.93	0.12	34,34,34,34	0
56	MG	1A	8314	1/1	0.93	0.08	12,12,12,12	0
56	MG	2A	3283	1/1	0.93	0.09	30,30,30,30	0
56	MG	2A	3537	1/1	0.93	0.07	33,33,33,33	0
56	MG	1A	8315	1/1	0.93	0.10	28,28,28,28	0
56	MG	1A	8122	1/1	0.93	0.07	18,18,18,18	0
56	MG	2A	3291	1/1	0.93	0.24	19,19,19,19	0
56	MG	2i	3001	1/1	0.93	0.10	36,36,36,36	0
56	MG	2j	201	1/1	0.93	0.12	65,65,65,65	0
56	MG	2A	3783	1/1	0.93	0.14	55,55,55,55	0
56	MG	1a	1654	1/1	0.93	0.16	43,43,43,43	0
56	MG	1A	8246	1/1	0.93	0.24	45,45,45,45	0
56	MG	2o	3001	1/1	0.93	0.07	32,32,32,32	0
56	MG	1A	8632	1/1	0.93	0.10	55,55,55,55	0
56	MG	2A	3297	1/1	0.93	0.09	31,31,31,31	0
56	MG	2A	3795	1/1	0.93	0.08	28,28,28,28	0
56	MG	2x	103	1/1	0.93	0.17	49,49,49,49	0
56	MG	1A	8509	1/1	0.93	0.11	42,42,42,42	0
56	MG	1A	8641	1/1	0.93	0.10	20,20,20,20	0
56	MG	1A	8510	1/1	0.93	0.14	29,29,29,29	0
56	MG	2A	3800	1/1	0.93	0.10	34,34,34,34	0
56	MG	25	103	1/1	0.93	0.12	46,46,46,46	0
56	MG	2A	3077	1/1	0.93	0.19	30,30,30,30	0
56	MG	2A	3559	1/1	0.93	0.14	25,25,25,25	0
56	MG	2A	3561	1/1	0.93	0.21	32,32,32,32	0
56	MG	1a	1778	1/1	0.93	0.05	33,33,33,33	0
56	MG	2a	1602	1/1	0.93	0.20	48,48,48,48	0
56	MG	1A	8075	1/1	0.94	0.06	20,20,20,20	0
56	MG	1A	8193	1/1	0.94	0.09	28,28,28,28	0
56	MG	2Q	204	1/1	0.94	0.06	42,42,42,42	0
56	MG	2A	3740	1/1	0.94	0.27	39,39,39,39	0
56	MG	1A	8514	1/1	0.94	0.20	48,48,48,48	0
56	MG	2U	203	1/1	0.94	0.20	35,35,35,35	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8631	1/1	0.94	0.07	53,53,53,53	0
56	MG	1h	8001	1/1	0.94	0.08	52,52,52,52	0
56	MG	1A	8794	1/1	0.94	0.08	24,24,24,24	0
56	MG	2A	3200	1/1	0.94	0.09	21,21,21,21	0
56	MG	1A	8154	1/1	0.94	0.10	22,22,22,22	0
56	MG	1A	8118	1/1	0.94	0.07	10,10,10,10	0
56	MG	1A	8157	1/1	0.94	0.08	23,23,23,23	0
56	MG	2A	3204	1/1	0.94	0.14	31,31,31,31	0
56	MG	1A	8801	1/1	0.94	0.08	25,25,25,25	0
56	MG	1A	8088	1/1	0.94	0.06	16,16,16,16	0
56	MG	2A	3488	1/1	0.94	0.08	30,30,30,30	0
56	MG	1A	8644	1/1	0.94	0.11	36,36,36,36	0
56	MG	1A	8016	1/1	0.94	0.06	18,18,18,18	0
56	MG	1A	8648	1/1	0.94	0.13	27,27,27,27	0
56	MG	2A	3492	1/1	0.94	0.08	35,35,35,35	0
56	MG	2A	3211	1/1	0.94	0.20	35,35,35,35	0
56	MG	2A	3213	1/1	0.94	0.14	32,32,32,32	0
56	MG	2A	3499	1/1	0.94	0.10	51,51,51,51	0
56	MG	28	101	1/1	0.94	0.11	54,54,54,54	0
56	MG	1A	8525	1/1	0.94	0.06	10,10,10,10	0
56	MG	29	503	1/1	0.94	0.12	62,62,62,62	0
56	MG	2A	3219	1/1	0.94	0.10	29,29,29,29	0
56	MG	1a	1709	1/1	0.94	0.08	30,30,30,30	0
56	MG	1N	201	1/1	0.94	0.12	24,24,24,24	0
56	MG	1A	8205	1/1	0.94	0.09	25,25,25,25	0
56	MG	2a	1609	1/1	0.94	0.15	45,45,45,45	0
56	MG	1x	3008	1/1	0.94	0.16	36,36,36,36	0
56	MG	2A	3226	1/1	0.94	0.12	27,27,27,27	0
56	MG	2A	3227	1/1	0.94	0.13	34,34,34,34	0
56	MG	1x	3009	1/1	0.94	0.28	41,41,41,41	0
56	MG	2A	3230	1/1	0.94	0.21	33,33,33,33	0
56	MG	2A	3513	1/1	0.94	0.07	38,38,38,38	0
56	MG	1N	204	1/1	0.94	0.17	68,68,68,68	0
56	MG	2A	3235	1/1	0.94	0.06	43,43,43,43	0
56	MG	2A	3790	1/1	0.94	0.12	45,45,45,45	0
56	MG	2A	3794	1/1	0.94	0.07	63,63,63,63	0
56	MG	1A	8424	1/1	0.94	0.07	26,26,26,26	0
56	MG	1x	3013	1/1	0.94	0.13	53,53,53,53	0
56	MG	2A	3522	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	8824	1/1	0.94	0.08	37,37,37,37	0
56	MG	1A	8652	1/1	0.94	0.06	24,24,24,24	0
56	MG	1Q	205	1/1	0.94	0.07	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8163	1/1	0.94	0.10	17,17,17,17	0
56	MG	2A	3243	1/1	0.94	0.24	31,31,31,31	0
56	MG	2A	3007	1/1	0.94	0.21	38,38,38,38	0
56	MG	2A	3808	1/1	0.94	0.08	31,31,31,31	0
56	MG	2A	3246	1/1	0.94	0.07	26,26,26,26	0
56	MG	1A	8836	1/1	0.94	0.07	17,17,17,17	0
56	MG	1A	8838	1/1	0.94	0.07	7,7,7,7	0
56	MG	2A	3250	1/1	0.94	0.33	40,40,40,40	0
56	MG	2A	3816	1/1	0.94	0.12	62,62,62,62	0
56	MG	1A	8270	1/1	0.94	0.08	20,20,20,20	0
56	MG	2A	3818	1/1	0.94	0.18	44,44,44,44	0
56	MG	1A	8657	1/1	0.94	0.14	19,19,19,19	0
56	MG	2A	3017	1/1	0.94	0.34	46,46,46,46	0
56	MG	1A	8659	1/1	0.94	0.09	23,23,23,23	0
56	MG	10	103	1/1	0.94	0.13	21,21,21,21	0
56	MG	2a	1647	1/1	0.94	0.19	48,48,48,48	0
56	MG	1A	8852	1/1	0.94	0.08	27,27,27,27	0
56	MG	1A	8210	1/1	0.94	0.10	14,14,14,14	0
56	MG	1A	8663	1/1	0.94	0.10	21,21,21,21	0
56	MG	13	102	1/1	0.94	0.12	20,20,20,20	0
56	MG	1a	1738	1/1	0.94	0.09	43,43,43,43	0
56	MG	1A	8665	1/1	0.94	0.07	63,63,63,63	0
56	MG	2A	3845	1/1	0.94	0.24	51,51,51,51	0
56	MG	2A	3269	1/1	0.94	0.27	44,44,44,44	0
56	MG	1A	8539	1/1	0.94	0.10	26,26,26,26	0
56	MG	2A	3848	1/1	0.94	0.13	63,63,63,63	0
56	MG	2a	1659	1/1	0.94	0.14	46,46,46,46	0
56	MG	2A	3849	1/1	0.94	0.16	56,56,56,56	0
56	MG	2A	3555	1/1	0.94	0.09	35,35,35,35	0
56	MG	2A	3556	1/1	0.94	0.07	49,49,49,49	0
56	MG	2A	3557	1/1	0.94	0.33	33,33,33,33	0
56	MG	1A	8442	1/1	0.94	0.09	47,47,47,47	0
56	MG	1A	8865	1/1	0.94	0.10	28,28,28,28	0
56	MG	2A	3562	1/1	0.94	0.09	33,33,33,33	0
56	MG	2a	1668	1/1	0.94	0.10	46,46,46,46	0
56	MG	2A	3276	1/1	0.94	0.08	42,42,42,42	0
56	MG	2A	3277	1/1	0.94	0.18	59,59,59,59	0
56	MG	1A	8543	1/1	0.94	0.09	20,20,20,20	0
56	MG	2A	3038	1/1	0.94	0.16	30,30,30,30	0
56	MG	1A	8545	1/1	0.94	0.11	33,33,33,33	0
56	MG	2A	3868	1/1	0.94	0.09	48,48,48,48	0
56	MG	2a	1677	1/1	0.94	0.07	62,62,62,62	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3569	1/1	0.94	0.09	43,43,43,43	0
56	MG	2A	3571	1/1	0.94	0.09	26,26,26,26	0
56	MG	1a	1602	1/1	0.94	0.18	54,54,54,54	0
56	MG	1A	8168	1/1	0.94	0.07	23,23,23,23	0
56	MG	1A	8445	1/1	0.94	0.07	18,18,18,18	0
56	MG	2A	3874	1/1	0.94	0.09	32,32,32,32	0
56	MG	2A	3876	1/1	0.94	0.30	30,30,30,30	0
56	MG	2a	1689	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	8876	1/1	0.94	0.12	10,10,10,10	0
56	MG	2A	3045	1/1	0.94	0.18	20,20,20,20	0
56	MG	2A	3884	1/1	0.94	0.09	37,37,37,37	0
56	MG	2A	3578	1/1	0.94	0.09	47,47,47,47	0
56	MG	2A	3048	1/1	0.94	0.06	40,40,40,40	0
56	MG	1A	8878	1/1	0.94	0.06	16,16,16,16	0
56	MG	1A	8449	1/1	0.94	0.06	61,61,61,61	0
56	MG	2A	3890	1/1	0.94	0.26	60,60,60,60	0
56	MG	2A	3051	1/1	0.94	0.13	29,29,29,29	0
56	MG	2A	3298	1/1	0.94	0.07	29,29,29,29	0
56	MG	1a	1609	1/1	0.94	0.12	43,43,43,43	0
56	MG	2A	3302	1/1	0.94	0.14	48,48,48,48	0
56	MG	1A	8457	1/1	0.94	0.07	9,9,9,9	0
56	MG	2A	3312	1/1	0.94	0.06	25,25,25,25	0
56	MG	2A	3593	1/1	0.94	0.15	24,24,24,24	0
56	MG	1a	1755	1/1	0.94	0.12	60,60,60,60	0
56	MG	2A	3903	1/1	0.94	0.12	49,49,49,49	0
56	MG	2A	3904	1/1	0.94	0.21	47,47,47,47	0
56	MG	2A	3597	1/1	0.94	0.19	44,44,44,44	0
56	MG	1a	1611	1/1	0.94	0.13	38,38,38,38	0
56	MG	1A	8276	1/1	0.94	0.23	15,15,15,15	0
56	MG	2A	3318	1/1	0.94	0.12	30,30,30,30	0
56	MG	1A	8883	1/1	0.94	0.08	30,30,30,30	0
56	MG	1A	8133	1/1	0.94	0.07	15,15,15,15	0
56	MG	2A	3066	1/1	0.94	0.07	26,26,26,26	0
56	MG	1A	8688	1/1	0.94	0.07	20,20,20,20	0
56	MG	2A	3610	1/1	0.94	0.10	57,57,57,57	0
56	MG	1a	1617	1/1	0.94	0.12	53,53,53,53	0
56	MG	1A	8892	1/1	0.94	0.08	28,28,28,28	0
56	MG	1A	8222	1/1	0.94	0.14	18,18,18,18	0
56	MG	1A	8341	1/1	0.94	0.07	17,17,17,17	0
56	MG	1A	8346	1/1	0.94	0.12	14,14,14,14	0
56	MG	2A	3617	1/1	0.94	0.11	43,43,43,43	0
56	MG	2A	3082	1/1	0.94	0.17	35,35,35,35	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3619	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3330	1/1	0.94	0.07	23,23,23,23	0
56	MG	2A	3085	1/1	0.94	0.23	28,28,28,28	0
56	MG	2A	3931	1/1	0.94	0.09	47,47,47,47	0
56	MG	1A	8700	1/1	0.94	0.08	27,27,27,27	0
56	MG	1a	1772	1/1	0.94	0.09	53,53,53,53	0
56	MG	1A	8573	1/1	0.94	0.08	18,18,18,18	0
56	MG	1A	8348	1/1	0.94	0.06	7,7,7,7	0
56	MG	2a	1741	1/1	0.94	0.08	61,61,61,61	0
56	MG	1A	8579	1/1	0.94	0.14	27,27,27,27	0
56	MG	1A	8581	1/1	0.94	0.07	15,15,15,15	0
56	MG	2A	3951	1/1	0.94	0.19	30,30,30,30	0
56	MG	2A	3349	1/1	0.94	0.11	43,43,43,43	0
56	MG	1A	8714	1/1	0.94	0.08	9,9,9,9	0
56	MG	1A	8139	1/1	0.94	0.08	15,15,15,15	0
56	MG	2A	3096	1/1	0.94	0.19	21,21,21,21	0
56	MG	1A	8360	1/1	0.94	0.07	25,25,25,25	0
56	MG	1a	1637	1/1	0.94	0.23	38,38,38,38	0
56	MG	1A	8914	1/1	0.94	0.12	46,46,46,46	0
56	MG	2A	3369	1/1	0.94	0.08	25,25,25,25	0
56	MG	1A	8474	1/1	0.94	0.09	13,13,13,13	0
56	MG	1A	8920	1/1	0.94	0.21	6,6,6,6	0
56	MG	2A	3655	1/1	0.94	0.07	25,25,25,25	0
56	MG	1A	8107	1/1	0.94	0.13	18,18,18,18	0
56	MG	1a	1786	1/1	0.94	0.08	56,56,56,56	0
56	MG	2A	3968	1/1	0.94	0.13	38,38,38,38	0
56	MG	1A	8922	1/1	0.94	0.08	16,16,16,16	0
56	MG	2A	3376	1/1	0.94	0.09	23,23,23,23	0
56	MG	2A	3377	1/1	0.94	0.10	32,32,32,32	0
56	MG	2A	3976	1/1	0.94	0.15	28,28,28,28	0
56	MG	1A	8925	1/1	0.94	0.11	32,32,32,32	0
56	MG	2A	3978	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	8725	1/1	0.94	0.12	18,18,18,18	0
56	MG	1a	1646	1/1	0.94	0.21	34,34,34,34	0
56	MG	1A	8364	1/1	0.94	0.10	26,26,26,26	0
56	MG	1A	8939	1/1	0.94	0.15	12,12,12,12	0
56	MG	2A	3389	1/1	0.94	0.07	45,45,45,45	0
56	MG	1A	8940	1/1	0.94	0.10	6,6,6,6	0
56	MG	1A	8480	1/1	0.94	0.09	34,34,34,34	0
56	MG	2A	3392	1/1	0.94	0.12	35,35,35,35	0
56	MG	1A	8144	1/1	0.94	0.18	35,35,35,35	0
56	MG	1A	8599	1/1	0.94	0.09	24,24,24,24	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8960	1/1	0.94	0.06	20,20,20,20	0
56	MG	1A	8739	1/1	0.94	0.07	28,28,28,28	0
56	MG	1A	8741	1/1	0.94	0.16	25,25,25,25	0
56	MG	1A	8286	1/1	0.94	0.07	11,11,11,11	0
56	MG	1A	8371	1/1	0.94	0.10	11,11,11,11	0
56	MG	1a	1662	1/1	0.94	0.09	44,44,44,44	0
56	MG	2A	3411	1/1	0.94	0.09	36,36,36,36	0
56	MG	1A	8287	1/1	0.94	0.15	23,23,23,23	0
56	MG	2A	3688	1/1	0.94	0.08	47,47,47,47	0
56	MG	2A	3413	1/1	0.94	0.26	44,44,44,44	0
56	MG	1A	8751	1/1	0.94	0.10	44,44,44,44	0
56	MG	1A	8174	1/1	0.94	0.06	28,28,28,28	0
56	MG	2A	3148	1/1	0.94	0.12	50,50,50,50	0
56	MG	2A	3418	1/1	0.94	0.16	57,57,57,57	0
56	MG	1A	8376	1/1	0.94	0.06	14,14,14,14	0
56	MG	2A	3420	1/1	0.94	0.10	54,54,54,54	0
56	MG	2A	3150	1/1	0.94	0.18	35,35,35,35	0
56	MG	1B	3006	1/1	0.94	0.06	25,25,25,25	0
56	MG	1B	3007	1/1	0.94	0.19	37,37,37,37	0
56	MG	1A	8236	1/1	0.94	0.14	22,22,22,22	0
56	MG	2D	302	1/1	0.94	0.21	44,44,44,44	0
56	MG	1A	8175	1/1	0.94	0.06	25,25,25,25	0
56	MG	2a	1818	1/1	0.94	0.09	61,61,61,61	0
56	MG	2A	3159	1/1	0.94	0.12	36,36,36,36	0
56	MG	2A	3712	1/1	0.94	0.06	29,29,29,29	0
56	MG	2a	1821	1/1	0.94	0.07	71,71,71,71	0
56	MG	2D	309	1/1	0.94	0.06	37,37,37,37	0
56	MG	2D	312	1/1	0.94	0.08	39,39,39,39	0
56	MG	2A	3160	1/1	0.94	0.06	28,28,28,28	0
56	MG	2A	3162	1/1	0.94	0.10	39,39,39,39	0
56	MG	2A	3715	1/1	0.94	0.07	28,28,28,28	0
56	MG	1A	8308	1/1	0.94	0.06	41,41,41,41	0
56	MG	2A	3436	1/1	0.94	0.08	29,29,29,29	0
56	MG	2A	3718	1/1	0.94	0.05	30,30,30,30	0
56	MG	2A	3438	1/1	0.94	0.08	25,25,25,25	0
56	MG	1a	1835	1/1	0.94	0.13	43,43,43,43	0
56	MG	1a	1673	1/1	0.94	0.17	35,35,35,35	0
56	MG	2F	302	1/1	0.94	0.21	28,28,28,28	0
56	MG	2t	201	1/1	0.94	0.10	46,46,46,46	0
56	MG	1A	8765	1/1	0.94	0.07	23,23,23,23	0
56	MG	2F	305	1/1	0.94	0.13	26,26,26,26	0
56	MG	1A	8239	1/1	0.94	0.06	13,13,13,13	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2F	308	1/1	0.94	0.23	46,46,46,46	0
56	MG	2A	3448	1/1	0.94	0.08	65,65,65,65	0
56	MG	2A	3176	1/1	0.94	0.07	42,42,42,42	0
56	MG	1A	8108	1/1	0.94	0.18	18,18,18,18	0
56	MG	2A	3179	1/1	0.94	0.10	35,35,35,35	0
56	MG	1A	8777	1/1	0.94	0.09	31,31,31,31	0
56	MG	1b	3001	1/1	0.94	0.14	50,50,50,50	0
56	MG	1A	8150	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3733	1/1	0.94	0.08	33,33,33,33	0
57	ZN	14	501	1/1	0.94	0.13	75,75,75,75	0
56	MG	1A	8319	1/1	0.94	0.06	27,27,27,27	0
56	MG	1A	8389	1/1	0.94	0.09	32,32,32,32	0
56	MG	1A	8833	1/1	0.95	0.09	12,12,12,12	0
56	MG	2A	3481	1/1	0.95	0.06	39,39,39,39	0
56	MG	1A	8187	1/1	0.95	0.11	20,20,20,20	0
56	MG	1a	1708	1/1	0.95	0.14	43,43,43,43	0
56	MG	1A	8437	1/1	0.95	0.08	6,6,6,6	0
56	MG	2A	3485	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3218	1/1	0.95	0.10	37,37,37,37	0
56	MG	2R	202	1/1	0.95	0.07	21,21,21,21	0
56	MG	2S	201	1/1	0.95	0.05	27,27,27,27	0
56	MG	2U	201	1/1	0.95	0.10	42,42,42,42	0
56	MG	1A	8438	1/1	0.95	0.08	34,34,34,34	0
56	MG	2A	3220	1/1	0.95	0.20	29,29,29,29	0
56	MG	1A	8344	1/1	0.95	0.07	26,26,26,26	0
56	MG	2A	3751	1/1	0.95	0.11	32,32,32,32	0
56	MG	1A	8671	1/1	0.95	0.08	17,17,17,17	0
56	MG	1A	8849	1/1	0.95	0.09	39,39,39,39	0
56	MG	2A	3009	1/1	0.95	0.17	42,42,42,42	0
56	MG	1a	1718	1/1	0.95	0.06	44,44,44,44	0
56	MG	2A	3495	1/1	0.95	0.19	57,57,57,57	0
56	MG	1A	8850	1/1	0.95	0.17	34,34,34,34	0
56	MG	2A	3498	1/1	0.95	0.09	45,45,45,45	0
56	MG	2A	3013	1/1	0.95	0.06	29,29,29,29	0
56	MG	20	103	1/1	0.95	0.11	62,62,62,62	0
56	MG	2A	3762	1/1	0.95	0.12	44,44,44,44	0
56	MG	1A	8054	1/1	0.95	0.09	9,9,9,9	0
56	MG	1A	8347	1/1	0.95	0.13	13,13,13,13	0
56	MG	2A	3233	1/1	0.95	0.18	28,28,28,28	0
56	MG	25	101	1/1	0.95	0.11	27,27,27,27	0
56	MG	2A	3234	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	8858	1/1	0.95	0.12	28,28,28,28	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8675	1/1	0.95	0.06	17,17,17,17	0
56	MG	1A	8553	1/1	0.95	0.09	18,18,18,18	0
56	MG	1T	201	1/1	0.95	0.06	37,37,37,37	0
56	MG	1A	8447	1/1	0.95	0.08	13,13,13,13	0
56	MG	2A	3024	1/1	0.95	0.22	30,30,30,30	0
56	MG	2a	1601	1/1	0.95	0.09	47,47,47,47	0
56	MG	1A	8130	1/1	0.95	0.06	20,20,20,20	0
56	MG	1A	8451	1/1	0.95	0.09	19,19,19,19	0
56	MG	2a	1604	1/1	0.95	0.14	44,44,44,44	0
56	MG	2a	1605	1/1	0.95	0.11	40,40,40,40	0
56	MG	2A	3515	1/1	0.95	0.13	48,48,48,48	0
56	MG	2A	3244	1/1	0.95	0.30	30,30,30,30	0
56	MG	2A	3784	1/1	0.95	0.07	45,45,45,45	0
56	MG	2A	3518	1/1	0.95	0.08	24,24,24,24	0
56	MG	2A	3519	1/1	0.95	0.07	31,31,31,31	0
56	MG	1A	8349	1/1	0.95	0.06	13,13,13,13	0
56	MG	1a	1734	1/1	0.95	0.10	42,42,42,42	0
56	MG	1A	8351	1/1	0.95	0.06	16,16,16,16	0
56	MG	2A	3792	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3793	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	8568	1/1	0.95	0.07	11,11,11,11	0
56	MG	2a	1618	1/1	0.95	0.07	38,38,38,38	0
56	MG	2a	1619	1/1	0.95	0.15	50,50,50,50	0
56	MG	1A	8693	1/1	0.95	0.11	28,28,28,28	0
56	MG	2A	3251	1/1	0.95	0.08	43,43,43,43	0
56	MG	2A	3797	1/1	0.95	0.13	38,38,38,38	0
56	MG	2A	3036	1/1	0.95	0.10	34,34,34,34	0
56	MG	1A	8355	1/1	0.95	0.06	7,7,7,7	0
56	MG	2A	3255	1/1	0.95	0.07	45,45,45,45	0
56	MG	11	102	1/1	0.95	0.09	23,23,23,23	0
56	MG	2a	1627	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	8241	1/1	0.95	0.14	10,10,10,10	0
56	MG	2A	3531	1/1	0.95	0.26	36,36,36,36	0
56	MG	15	101	1/1	0.95	0.07	32,32,32,32	0
56	MG	2a	1631	1/1	0.95	0.22	42,42,42,42	0
56	MG	2A	3533	1/1	0.95	0.08	50,50,50,50	0
56	MG	1A	8577	1/1	0.95	0.09	21,21,21,21	0
56	MG	1A	8465	1/1	0.95	0.07	24,24,24,24	0
56	MG	1A	8881	1/1	0.95	0.13	53,53,53,53	0
56	MG	2a	1636	1/1	0.95	0.09	33,33,33,33	0
56	MG	2A	3538	1/1	0.95	0.10	32,32,32,32	0
56	MG	1A	8117	1/1	0.95	0.20	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3540	1/1	0.95	0.08	48,48,48,48	0
56	MG	19	101	1/1	0.95	0.27	24,24,24,24	0
56	MG	2A	3542	1/1	0.95	0.07	23,23,23,23	0
56	MG	2A	3543	1/1	0.95	0.07	50,50,50,50	0
56	MG	2A	3545	1/1	0.95	0.11	47,47,47,47	0
56	MG	19	103	1/1	0.95	0.08	23,23,23,23	0
56	MG	1A	8244	1/1	0.95	0.11	11,11,11,11	0
56	MG	2A	3271	1/1	0.95	0.28	42,42,42,42	0
56	MG	1A	8884	1/1	0.95	0.09	65,65,65,65	0
56	MG	1A	8301	1/1	0.95	0.07	27,27,27,27	0
56	MG	2A	3053	1/1	0.95	0.29	27,27,27,27	0
56	MG	1a	1603	1/1	0.95	0.09	39,39,39,39	0
56	MG	1A	8887	1/1	0.95	0.19	24,24,24,24	0
56	MG	1A	8305	1/1	0.95	0.13	29,29,29,29	0
56	MG	1A	8890	1/1	0.95	0.06	23,23,23,23	0
56	MG	1A	8368	1/1	0.95	0.17	14,14,14,14	0
56	MG	1A	8160	1/1	0.95	0.07	20,20,20,20	0
56	MG	2A	3065	1/1	0.95	0.21	43,43,43,43	0
56	MG	1A	8135	1/1	0.95	0.10	26,26,26,26	0
56	MG	2A	3854	1/1	0.95	0.07	32,32,32,32	0
56	MG	2A	3068	1/1	0.95	0.14	34,34,34,34	0
56	MG	1a	1761	1/1	0.95	0.10	44,44,44,44	0
56	MG	2A	3292	1/1	0.95	0.08	51,51,51,51	0
56	MG	2A	3565	1/1	0.95	0.07	32,32,32,32	0
56	MG	2A	3070	1/1	0.95	0.18	39,39,39,39	0
56	MG	1a	1762	1/1	0.95	0.08	54,54,54,54	0
56	MG	2A	3074	1/1	0.95	0.15	33,33,33,33	0
56	MG	2A	3075	1/1	0.95	0.07	35,35,35,35	0
56	MG	1A	8722	1/1	0.95	0.13	22,22,22,22	0
56	MG	2A	3300	1/1	0.95	0.17	30,30,30,30	0
56	MG	1A	8595	1/1	0.95	0.05	35,35,35,35	0
56	MG	1A	8313	1/1	0.95	0.05	16,16,16,16	0
56	MG	2A	3303	1/1	0.95	0.07	30,30,30,30	0
56	MG	2A	3308	1/1	0.95	0.07	47,47,47,47	0
56	MG	2A	3309	1/1	0.95	0.07	38,38,38,38	0
56	MG	1A	8729	1/1	0.95	0.09	43,43,43,43	0
56	MG	1A	8731	1/1	0.95	0.16	40,40,40,40	0
56	MG	2A	3878	1/1	0.95	0.06	45,45,45,45	0
56	MG	1A	8905	1/1	0.95	0.08	42,42,42,42	0
56	MG	1A	8138	1/1	0.95	0.05	14,14,14,14	0
56	MG	2A	3881	1/1	0.95	0.17	56,56,56,56	0
56	MG	1A	8042	1/1	0.95	0.06	33,33,33,33	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3586	1/1	0.95	0.07	33,33,33,33	0
56	MG	2A	3088	1/1	0.95	0.18	33,33,33,33	0
56	MG	1A	8735	1/1	0.95	0.06	15,15,15,15	0
56	MG	1A	8316	1/1	0.95	0.06	14,14,14,14	0
56	MG	1A	8257	1/1	0.95	0.14	11,11,11,11	0
56	MG	1A	8011	1/1	0.95	0.13	27,27,27,27	0
56	MG	2A	3594	1/1	0.95	0.06	44,44,44,44	0
56	MG	2A	3595	1/1	0.95	0.07	32,32,32,32	0
56	MG	1A	8917	1/1	0.95	0.18	21,21,21,21	0
56	MG	1A	8381	1/1	0.95	0.08	10,10,10,10	0
56	MG	2A	3095	1/1	0.95	0.10	29,29,29,29	0
56	MG	2A	3900	1/1	0.95	0.08	41,41,41,41	0
56	MG	1a	1627	1/1	0.95	0.10	37,37,37,37	0
56	MG	2A	3602	1/1	0.95	0.14	53,53,53,53	0
56	MG	1A	8142	1/1	0.95	0.28	11,11,11,11	0
56	MG	2A	3328	1/1	0.95	0.26	31,31,31,31	0
56	MG	1A	8212	1/1	0.95	0.13	33,33,33,33	0
56	MG	2A	3099	1/1	0.95	0.11	34,34,34,34	0
56	MG	1A	8923	1/1	0.95	0.18	17,17,17,17	0
56	MG	2A	3608	1/1	0.95	0.10	21,21,21,21	0
56	MG	1a	1632	1/1	0.95	0.16	41,41,41,41	0
56	MG	2A	3102	1/1	0.95	0.20	29,29,29,29	0
56	MG	2A	3104	1/1	0.95	0.06	25,25,25,25	0
56	MG	2A	3913	1/1	0.95	0.20	34,34,34,34	0
56	MG	1A	8747	1/1	0.95	0.08	27,27,27,27	0
56	MG	1A	8045	1/1	0.95	0.36	11,11,11,11	0
56	MG	1A	8002	1/1	0.95	0.13	21,21,21,21	0
56	MG	1A	8932	1/1	0.95	0.08	21,21,21,21	0
56	MG	2A	3919	1/1	0.95	0.05	32,32,32,32	0
56	MG	2A	3115	1/1	0.95	0.06	41,41,41,41	0
56	MG	2A	3358	1/1	0.95	0.08	27,27,27,27	0
56	MG	1A	8049	1/1	0.95	0.20	12,12,12,12	0
56	MG	1A	8755	1/1	0.95	0.24	16,16,16,16	0
56	MG	1A	8941	1/1	0.95	0.16	45,45,45,45	0
56	MG	1A	8756	1/1	0.95	0.14	14,14,14,14	0
56	MG	1A	8226	1/1	0.95	0.12	17,17,17,17	0
56	MG	1A	8391	1/1	0.95	0.07	6,6,6,6	0
56	MG	2A	3930	1/1	0.95	0.20	48,48,48,48	0
56	MG	1A	8951	1/1	0.95	0.10	20,20,20,20	0
56	MG	2A	3933	1/1	0.95	0.05	51,51,51,51	0
56	MG	1A	8952	1/1	0.95	0.20	17,17,17,17	0
56	MG	1a	1649	1/1	0.95	0.22	32,32,32,32	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3938	1/1	0.95	0.13	38,38,38,38	0
56	MG	1A	8394	1/1	0.95	0.07	37,37,37,37	0
56	MG	2A	3132	1/1	0.95	0.12	32,32,32,32	0
56	MG	1a	1651	1/1	0.95	0.05	26,26,26,26	0
56	MG	2A	3948	1/1	0.95	0.24	42,42,42,42	0
56	MG	2A	3641	1/1	0.95	0.24	35,35,35,35	0
56	MG	2a	1748	1/1	0.95	0.09	50,50,50,50	0
56	MG	1A	8964	1/1	0.95	0.11	12,12,12,12	0
56	MG	2A	3952	1/1	0.95	0.07	36,36,36,36	0
56	MG	1a	1806	1/1	0.95	0.13	49,49,49,49	0
56	MG	2A	3647	1/1	0.95	0.05	28,28,28,28	0
56	MG	2a	1754	1/1	0.95	0.07	42,42,42,42	0
56	MG	1a	1653	1/1	0.95	0.13	32,32,32,32	0
56	MG	1A	8622	1/1	0.95	0.07	26,26,26,26	0
56	MG	2A	3383	1/1	0.95	0.08	27,27,27,27	0
56	MG	1A	8506	1/1	0.95	0.14	30,30,30,30	0
56	MG	1a	1816	1/1	0.95	0.14	49,49,49,49	0
56	MG	2A	3145	1/1	0.95	0.09	32,32,32,32	0
56	MG	1A	8774	1/1	0.95	0.07	25,25,25,25	0
56	MG	1A	8625	1/1	0.95	0.13	39,39,39,39	0
56	MG	1A	8507	1/1	0.95	0.07	33,33,33,33	0
56	MG	1A	8271	1/1	0.95	0.13	21,21,21,21	0
56	MG	2A	3662	1/1	0.95	0.07	43,43,43,43	0
56	MG	2A	3663	1/1	0.95	0.07	61,61,61,61	0
56	MG	1A	8401	1/1	0.95	0.11	28,28,28,28	0
56	MG	2a	1770	1/1	0.95	0.15	52,52,52,52	0
56	MG	2A	3665	1/1	0.95	0.10	29,29,29,29	0
56	MG	1A	8402	1/1	0.95	0.07	29,29,29,29	0
56	MG	2A	3974	1/1	0.95	0.14	27,27,27,27	0
56	MG	2A	3399	1/1	0.95	0.06	46,46,46,46	0
56	MG	2A	3400	1/1	0.95	0.08	41,41,41,41	0
56	MG	1A	8511	1/1	0.95	0.15	32,32,32,32	0
56	MG	2A	3154	1/1	0.95	0.09	31,31,31,31	0
56	MG	2A	3981	1/1	0.95	0.34	41,41,41,41	0
56	MG	2A	3405	1/1	0.95	0.11	28,28,28,28	0
56	MG	2A	3155	1/1	0.95	0.05	24,24,24,24	0
56	MG	1a	1833	1/1	0.95	0.20	39,39,39,39	0
56	MG	2A	3676	1/1	0.95	0.08	31,31,31,31	0
56	MG	2A	3157	1/1	0.95	0.14	40,40,40,40	0
56	MG	2A	3158	1/1	0.95	0.23	40,40,40,40	0
56	MG	1A	8785	1/1	0.95	0.10	23,23,23,23	0
56	MG	1A	8407	1/1	0.95	0.09	20,20,20,20	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3414	1/1	0.95	0.07	46,46,46,46	0
56	MG	2A	3161	1/1	0.95	0.12	33,33,33,33	0
56	MG	1B	3009	1/1	0.95	0.11	37,37,37,37	0
56	MG	2A	3164	1/1	0.95	0.08	29,29,29,29	0
56	MG	1A	8515	1/1	0.95	0.08	28,28,28,28	0
56	MG	1A	8272	1/1	0.95	0.08	27,27,27,27	0
56	MG	1B	3012	1/1	0.95	0.12	25,25,25,25	0
56	MG	2A	3170	1/1	0.95	0.16	39,39,39,39	0
56	MG	2A	3171	1/1	0.95	0.09	33,33,33,33	0
56	MG	1A	8793	1/1	0.95	0.09	27,27,27,27	0
56	MG	2B	3013	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	8227	1/1	0.95	0.21	14,14,14,14	0
56	MG	2A	3175	1/1	0.95	0.08	35,35,35,35	0
56	MG	2A	3696	1/1	0.95	0.08	54,54,54,54	0
56	MG	2A	3697	1/1	0.95	0.18	35,35,35,35	0
56	MG	1A	8415	1/1	0.95	0.06	16,16,16,16	0
56	MG	2A	3430	1/1	0.95	0.10	30,30,30,30	0
56	MG	2a	1817	1/1	0.95	0.11	49,49,49,49	0
56	MG	1B	3018	1/1	0.95	0.07	41,41,41,41	0
56	MG	2A	3701	1/1	0.95	0.11	42,42,42,42	0
56	MG	2A	3178	1/1	0.95	0.08	31,31,31,31	0
56	MG	2A	3703	1/1	0.95	0.07	26,26,26,26	0
56	MG	1A	8033	1/1	0.95	0.09	27,27,27,27	0
56	MG	2A	3705	1/1	0.95	0.11	48,48,48,48	0
56	MG	2A	3435	1/1	0.95	0.07	33,33,33,33	0
56	MG	1A	8799	1/1	0.95	0.16	23,23,23,23	0
56	MG	1B	3024	1/1	0.95	0.06	18,18,18,18	0
56	MG	2g	3001	1/1	0.95	0.22	52,52,52,52	0
56	MG	2h	3001	1/1	0.95	0.12	30,30,30,30	0
56	MG	1A	8332	1/1	0.95	0.08	48,48,48,48	0
56	MG	1A	8230	1/1	0.95	0.17	13,13,13,13	0
56	MG	1A	8180	1/1	0.95	0.07	17,17,17,17	0
56	MG	1A	8279	1/1	0.95	0.06	30,30,30,30	0
56	MG	2A	3447	1/1	0.95	0.07	22,22,22,22	0
56	MG	1A	8653	1/1	0.95	0.13	47,47,47,47	0
56	MG	2A	3194	1/1	0.95	0.07	24,24,24,24	0
56	MG	1A	8530	1/1	0.95	0.10	27,27,27,27	0
56	MG	1A	8531	1/1	0.95	0.09	26,26,26,26	0
56	MG	1a	1687	1/1	0.95	0.17	39,39,39,39	0
56	MG	2A	3198	1/1	0.95	0.11	36,36,36,36	0
56	MG	1A	8076	1/1	0.95	0.26	22,22,22,22	0
56	MG	1E	303	1/1	0.95	0.08	11,11,11,11	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1E	304	1/1	0.95	0.04	27,27,27,27	0
56	MG	1A	8534	1/1	0.95	0.18	52,52,52,52	0
56	MG	1A	8427	1/1	0.95	0.07	7,7,7,7	0
56	MG	1a	1699	1/1	0.95	0.06	26,26,26,26	0
56	MG	1E	307	1/1	0.95	0.06	28,28,28,28	0
56	MG	1A	8428	1/1	0.95	0.11	14,14,14,14	0
56	MG	1F	303	1/1	0.95	0.24	19,19,19,19	0
56	MG	2A	3734	1/1	0.95	0.06	33,33,33,33	0
56	MG	2A	3735	1/1	0.95	0.09	46,46,46,46	0
56	MG	1A	8079	1/1	0.95	0.18	16,16,16,16	0
56	MG	1A	8661	1/1	0.96	0.07	7,7,7,7	0
56	MG	1A	8098	1/1	0.96	0.27	19,19,19,19	0
56	MG	1A	8429	1/1	0.96	0.05	12,12,12,12	0
56	MG	1R	201	1/1	0.96	0.06	18,18,18,18	0
56	MG	1a	1732	1/1	0.96	0.06	38,38,38,38	0
56	MG	2A	3770	1/1	0.96	0.06	40,40,40,40	0
56	MG	2A	3771	1/1	0.96	0.15	41,41,41,41	0
56	MG	2A	3044	1/1	0.96	0.17	39,39,39,39	0
56	MG	1A	8430	1/1	0.96	0.07	13,13,13,13	0
56	MG	1A	8132	1/1	0.96	0.12	19,19,19,19	0
56	MG	2A	3516	1/1	0.96	0.10	48,48,48,48	0
56	MG	1A	8855	1/1	0.96	0.07	29,29,29,29	0
56	MG	2A	3259	1/1	0.96	0.12	33,33,33,33	0
56	MG	1A	8044	1/1	0.96	0.11	7,7,7,7	0
56	MG	1U	202	1/1	0.96	0.10	17,17,17,17	0
56	MG	1A	8285	1/1	0.96	0.07	10,10,10,10	0
56	MG	1A	8541	1/1	0.96	0.06	31,31,31,31	0
56	MG	2A	3054	1/1	0.96	0.08	22,22,22,22	0
56	MG	2A	3056	1/1	0.96	0.08	29,29,29,29	0
56	MG	1A	8353	1/1	0.96	0.08	7,7,7,7	0
56	MG	1A	8232	1/1	0.96	0.06	34,34,34,34	0
56	MG	2A	3788	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3270	1/1	0.96	0.04	20,20,20,20	0
56	MG	1A	8062	1/1	0.96	0.08	13,13,13,13	0
56	MG	2A	3791	1/1	0.96	0.06	52,52,52,52	0
56	MG	2A	3272	1/1	0.96	0.17	30,30,30,30	0
56	MG	1A	8548	1/1	0.96	0.05	27,27,27,27	0
56	MG	10	107	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	8679	1/1	0.96	0.19	34,34,34,34	0
56	MG	11	101	1/1	0.96	0.20	26,26,26,26	0
56	MG	2A	3534	1/1	0.96	0.08	35,35,35,35	0
56	MG	1A	8681	1/1	0.96	0.13	32,32,32,32	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3278	1/1	0.96	0.08	30,30,30,30	0
56	MG	1A	8137	1/1	0.96	0.17	11,11,11,11	0
56	MG	2A	3801	1/1	0.96	0.09	41,41,41,41	0
56	MG	2a	1608	1/1	0.96	0.11	36,36,36,36	0
56	MG	1A	8684	1/1	0.96	0.10	35,35,35,35	0
56	MG	1A	8361	1/1	0.96	0.08	26,26,26,26	0
56	MG	15	105	1/1	0.96	0.19	12,12,12,12	0
56	MG	2A	3073	1/1	0.96	0.09	32,32,32,32	0
56	MG	2A	3284	1/1	0.96	0.08	41,41,41,41	0
56	MG	1A	8448	1/1	0.96	0.07	8,8,8,8	0
56	MG	2A	3812	1/1	0.96	0.06	22,22,22,22	0
56	MG	2A	3286	1/1	0.96	0.09	21,21,21,21	0
56	MG	1A	8294	1/1	0.96	0.05	29,29,29,29	0
56	MG	2A	3288	1/1	0.96	0.11	25,25,25,25	0
56	MG	2A	3290	1/1	0.96	0.07	31,31,31,31	0
56	MG	15	108	1/1	0.96	0.18	28,28,28,28	0
56	MG	1A	8106	1/1	0.96	0.06	22,22,22,22	0
56	MG	2A	3293	1/1	0.96	0.14	24,24,24,24	0
56	MG	1A	8452	1/1	0.96	0.05	26,26,26,26	0
56	MG	2A	3080	1/1	0.96	0.13	31,31,31,31	0
56	MG	2A	3829	1/1	0.96	0.15	53,53,53,53	0
56	MG	1A	8456	1/1	0.96	0.12	25,25,25,25	0
56	MG	2A	3831	1/1	0.96	0.29	35,35,35,35	0
56	MG	1A	8558	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8694	1/1	0.96	0.07	30,30,30,30	0
56	MG	2A	3834	1/1	0.96	0.12	55,55,55,55	0
56	MG	1A	8886	1/1	0.96	0.07	24,24,24,24	0
56	MG	2A	3558	1/1	0.96	0.24	32,32,32,32	0
56	MG	1A	8696	1/1	0.96	0.06	20,20,20,20	0
56	MG	2A	3560	1/1	0.96	0.25	43,43,43,43	0
56	MG	2A	3843	1/1	0.96	0.08	43,43,43,43	0
56	MG	1A	8296	1/1	0.96	0.07	21,21,21,21	0
56	MG	1A	8299	1/1	0.96	0.07	28,28,28,28	0
56	MG	2A	3305	1/1	0.96	0.07	41,41,41,41	0
56	MG	2A	3306	1/1	0.96	0.06	29,29,29,29	0
56	MG	2A	3307	1/1	0.96	0.12	43,43,43,43	0
56	MG	1A	8460	1/1	0.96	0.12	33,33,33,33	0
56	MG	1A	8893	1/1	0.96	0.05	21,21,21,21	0
56	MG	1A	8703	1/1	0.96	0.06	28,28,28,28	0
56	MG	1A	8569	1/1	0.96	0.06	16,16,16,16	0
56	MG	1A	8570	1/1	0.96	0.05	34,34,34,34	0
56	MG	1A	8707	1/1	0.96	0.08	45,45,45,45	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8571	1/1	0.96	0.09	34,34,34,34	0
56	MG	1A	8300	1/1	0.96	0.07	23,23,23,23	0
56	MG	1A	8178	1/1	0.96	0.17	14,14,14,14	0
56	MG	1A	8575	1/1	0.96	0.07	14,14,14,14	0
56	MG	1a	1616	1/1	0.96	0.14	45,45,45,45	0
56	MG	1A	8004	1/1	0.96	0.07	18,18,18,18	0
56	MG	2A	3867	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8373	1/1	0.96	0.07	13,13,13,13	0
56	MG	2A	3103	1/1	0.96	0.08	30,30,30,30	0
56	MG	1a	1782	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	8720	1/1	0.96	0.07	27,27,27,27	0
56	MG	2A	3107	1/1	0.96	0.14	34,34,34,34	0
56	MG	1A	8036	1/1	0.96	0.04	17,17,17,17	0
56	MG	1a	1621	1/1	0.96	0.12	26,26,26,26	0
56	MG	2A	3113	1/1	0.96	0.06	29,29,29,29	0
56	MG	2A	3331	1/1	0.96	0.14	48,48,48,48	0
56	MG	2A	3592	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8723	1/1	0.96	0.05	20,20,20,20	0
56	MG	2A	3337	1/1	0.96	0.07	28,28,28,28	0
56	MG	2A	3883	1/1	0.96	0.09	60,60,60,60	0
56	MG	1A	8469	1/1	0.96	0.10	29,29,29,29	0
56	MG	2A	3116	1/1	0.96	0.22	36,36,36,36	0
56	MG	1A	8916	1/1	0.96	0.09	75,75,75,75	0
56	MG	2a	1673	1/1	0.96	0.07	33,33,33,33	0
56	MG	2a	1674	1/1	0.96	0.06	37,37,37,37	0
56	MG	2A	3342	1/1	0.96	0.06	25,25,25,25	0
56	MG	1A	8726	1/1	0.96	0.16	17,17,17,17	0
56	MG	2A	3600	1/1	0.96	0.11	40,40,40,40	0
56	MG	2A	3601	1/1	0.96	0.16	44,44,44,44	0
56	MG	1a	1790	1/1	0.96	0.07	46,46,46,46	0
56	MG	2A	3120	1/1	0.96	0.13	28,28,28,28	0
56	MG	2A	3348	1/1	0.96	0.10	19,19,19,19	0
56	MG	1A	8582	1/1	0.96	0.06	15,15,15,15	0
56	MG	2A	3351	1/1	0.96	0.08	40,40,40,40	0
56	MG	1A	8728	1/1	0.96	0.10	24,24,24,24	0
56	MG	1A	8069	1/1	0.96	0.11	18,18,18,18	0
56	MG	2A	3360	1/1	0.96	0.10	33,33,33,33	0
56	MG	2A	3361	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	8377	1/1	0.96	0.09	20,20,20,20	0
56	MG	1A	8589	1/1	0.96	0.27	13,13,13,13	0
56	MG	1a	1633	1/1	0.96	0.12	27,27,27,27	0
56	MG	2A	3615	1/1	0.96	0.27	36,36,36,36	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3130	1/1	0.96	0.06	27,27,27,27	0
56	MG	2a	1698	1/1	0.96	0.09	40,40,40,40	0
56	MG	1a	1634	1/1	0.96	0.13	22,22,22,22	0
56	MG	1A	8926	1/1	0.96	0.08	35,35,35,35	0
56	MG	1A	8927	1/1	0.96	0.11	8,8,8,8	0
56	MG	2A	3371	1/1	0.96	0.08	18,18,18,18	0
56	MG	2a	1703	1/1	0.96	0.07	47,47,47,47	0
56	MG	2A	3622	1/1	0.96	0.16	44,44,44,44	0
56	MG	2A	3136	1/1	0.96	0.13	34,34,34,34	0
56	MG	1A	8590	1/1	0.96	0.13	29,29,29,29	0
56	MG	1A	8111	1/1	0.96	0.12	12,12,12,12	0
56	MG	1a	1804	1/1	0.96	0.10	46,46,46,46	0
56	MG	1A	8115	1/1	0.96	0.10	13,13,13,13	0
56	MG	1A	8938	1/1	0.96	0.10	12,12,12,12	0
56	MG	1A	8476	1/1	0.96	0.05	17,17,17,17	0
56	MG	1A	8248	1/1	0.96	0.11	17,17,17,17	0
56	MG	1a	1815	1/1	0.96	0.12	57,57,57,57	0
56	MG	1A	8596	1/1	0.96	0.05	17,17,17,17	0
56	MG	1A	8116	1/1	0.96	0.17	25,25,25,25	0
56	MG	2A	3928	1/1	0.96	0.14	31,31,31,31	0
56	MG	1A	8946	1/1	0.96	0.09	11,11,11,11	0
56	MG	2a	1721	1/1	0.96	0.18	47,47,47,47	0
56	MG	2A	3386	1/1	0.96	0.16	29,29,29,29	0
56	MG	2A	3645	1/1	0.96	0.15	29,29,29,29	0
56	MG	2A	3932	1/1	0.96	0.11	31,31,31,31	0
56	MG	1A	8382	1/1	0.96	0.06	8,8,8,8	0
56	MG	1A	8383	1/1	0.96	0.10	10,10,10,10	0
56	MG	2A	3936	1/1	0.96	0.12	20,20,20,20	0
56	MG	1A	8749	1/1	0.96	0.13	22,22,22,22	0
56	MG	1A	8483	1/1	0.96	0.09	30,30,30,30	0
56	MG	1A	8953	1/1	0.96	0.19	13,13,13,13	0
56	MG	2A	3940	1/1	0.96	0.22	8,8,8,8	0
56	MG	2A	3942	1/1	0.96	0.10	43,43,43,43	0
56	MG	2A	3943	1/1	0.96	0.08	40,40,40,40	0
56	MG	1a	1830	1/1	0.96	0.08	45,45,45,45	0
56	MG	1a	1831	1/1	0.96	0.14	14,14,14,14	0
56	MG	1A	8958	1/1	0.96	0.08	28,28,28,28	0
56	MG	1A	8038	1/1	0.96	0.11	40,40,40,40	0
56	MG	1A	8603	1/1	0.96	0.06	24,24,24,24	0
56	MG	1A	8965	1/1	0.96	0.15	14,14,14,14	0
56	MG	1A	8318	1/1	0.96	0.05	6,6,6,6	0
56	MG	1A	8968	1/1	0.96	0.06	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8252	1/1	0.96	0.05	24,24,24,24	0
56	MG	2A	3956	1/1	0.96	0.33	35,35,35,35	0
56	MG	1A	8198	1/1	0.96	0.08	8,8,8,8	0
56	MG	2A	3409	1/1	0.96	0.20	31,31,31,31	0
56	MG	1A	8153	1/1	0.96	0.09	12,12,12,12	0
56	MG	2a	1750	1/1	0.96	0.07	67,67,67,67	0
56	MG	1A	8258	1/1	0.96	0.15	24,24,24,24	0
56	MG	1B	3002	1/1	0.96	0.11	33,33,33,33	0
56	MG	1A	8039	1/1	0.96	0.05	12,12,12,12	0
56	MG	2A	3173	1/1	0.96	0.14	37,37,37,37	0
56	MG	1d	505	1/1	0.96	0.05	56,56,56,56	0
56	MG	1A	8392	1/1	0.96	0.14	37,37,37,37	0
56	MG	1A	8052	1/1	0.96	0.13	12,12,12,12	0
56	MG	1A	8395	1/1	0.96	0.06	34,34,34,34	0
56	MG	1A	8619	1/1	0.96	0.18	20,20,20,20	0
56	MG	1A	8500	1/1	0.96	0.07	45,45,45,45	0
56	MG	2a	1762	1/1	0.96	0.07	58,58,58,58	0
56	MG	1A	8156	1/1	0.96	0.18	25,25,25,25	0
56	MG	2A	3423	1/1	0.96	0.08	37,37,37,37	0
56	MG	1A	8400	1/1	0.96	0.07	42,42,42,42	0
56	MG	1a	1672	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	8020	1/1	0.96	0.16	8,8,8,8	0
56	MG	1a	1675	1/1	0.96	0.06	19,19,19,19	0
56	MG	2A	3186	1/1	0.96	0.18	39,39,39,39	0
56	MG	2A	3190	1/1	0.96	0.24	32,32,32,32	0
56	MG	2A	3432	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	8208	1/1	0.96	0.15	11,11,11,11	0
56	MG	1A	8265	1/1	0.96	0.20	18,18,18,18	0
56	MG	1A	8408	1/1	0.96	0.07	19,19,19,19	0
56	MG	1t	3001	1/1	0.96	0.11	37,37,37,37	0
56	MG	2A	3437	1/1	0.96	0.07	59,59,59,59	0
56	MG	1A	8084	1/1	0.96	0.06	23,23,23,23	0
56	MG	1x	3003	1/1	0.96	0.21	31,31,31,31	0
56	MG	2a	1782	1/1	0.96	0.20	61,61,61,61	0
56	MG	1A	8791	1/1	0.96	0.05	39,39,39,39	0
56	MG	1A	8411	1/1	0.96	0.11	12,12,12,12	0
56	MG	1A	8634	1/1	0.96	0.13	39,39,39,39	0
56	MG	1B	3022	1/1	0.96	0.08	41,41,41,41	0
56	MG	1A	8512	1/1	0.96	0.06	28,28,28,28	0
56	MG	2A	3451	1/1	0.96	0.09	46,46,46,46	0
56	MG	2A	3452	1/1	0.96	0.08	34,34,34,34	0
56	MG	2A	3453	1/1	0.96	0.09	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8639	1/1	0.96	0.07	24,24,24,24	0
56	MG	2A	3458	1/1	0.96	0.06	37,37,37,37	0
56	MG	2a	1797	1/1	0.96	0.09	47,47,47,47	0
56	MG	1x	3010	1/1	0.96	0.24	34,34,34,34	0
56	MG	1A	8640	1/1	0.96	0.04	40,40,40,40	0
56	MG	1A	8412	1/1	0.96	0.07	6,6,6,6	0
56	MG	1a	1690	1/1	0.96	0.11	36,36,36,36	0
56	MG	2A	3464	1/1	0.96	0.14	40,40,40,40	0
56	MG	2B	3019	1/1	0.96	0.06	62,62,62,62	0
56	MG	1x	3014	1/1	0.96	0.18	29,29,29,29	0
56	MG	1A	8056	1/1	0.96	0.05	12,12,12,12	0
56	MG	1a	1693	1/1	0.96	0.05	29,29,29,29	0
56	MG	2A	3470	1/1	0.96	0.10	24,24,24,24	0
56	MG	2A	3212	1/1	0.96	0.14	27,27,27,27	0
56	MG	1A	8213	1/1	0.96	0.06	14,14,14,14	0
56	MG	2A	3216	1/1	0.96	0.18	28,28,28,28	0
56	MG	1A	8645	1/1	0.96	0.06	11,11,11,11	0
56	MG	2A	3476	1/1	0.96	0.16	34,34,34,34	0
56	MG	1D	311	1/1	0.96	0.07	31,31,31,31	0
56	MG	1A	8214	1/1	0.96	0.24	10,10,10,10	0
56	MG	1D	313	1/1	0.96	0.09	33,33,33,33	0
56	MG	1A	8647	1/1	0.96	0.23	14,14,14,14	0
56	MG	1A	8809	1/1	0.96	0.07	21,21,21,21	0
56	MG	2D	315	1/1	0.96	0.04	24,24,24,24	0
56	MG	2d	503	1/1	0.96	0.06	54,54,54,54	0
56	MG	1A	8014	1/1	0.96	0.07	5,5,5,5	0
56	MG	1A	8521	1/1	0.96	0.08	12,12,12,12	0
56	MG	1A	8161	1/1	0.96	0.23	10,10,10,10	0
56	MG	1A	8819	1/1	0.96	0.19	20,20,20,20	0
56	MG	1A	8421	1/1	0.96	0.06	26,26,26,26	0
56	MG	1F	302	1/1	0.96	0.11	16,16,16,16	0
56	MG	1a	1711	1/1	0.96	0.06	45,45,45,45	0
56	MG	1A	8524	1/1	0.96	0.09	31,31,31,31	0
56	MG	2F	303	1/1	0.96	0.07	29,29,29,29	0
56	MG	1A	8089	1/1	0.96	0.08	20,20,20,20	0
56	MG	2A	3028	1/1	0.96	0.18	34,34,34,34	0
56	MG	1A	8832	1/1	0.96	0.21	12,12,12,12	0
56	MG	2F	307	1/1	0.96	0.27	37,37,37,37	0
56	MG	1a	1717	1/1	0.96	0.15	32,32,32,32	0
56	MG	2A	3238	1/1	0.96	0.08	24,24,24,24	0
56	MG	2A	3031	1/1	0.96	0.20	27,27,27,27	0
56	MG	2A	3748	1/1	0.96	0.11	47,47,47,47	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3497	1/1	0.96	0.09	28,28,28,28	0
56	MG	1A	8224	1/1	0.96	0.12	15,15,15,15	0
56	MG	1A	8059	1/1	0.96	0.06	7,7,7,7	0
56	MG	2A	3753	1/1	0.96	0.19	27,27,27,27	0
56	MG	1A	8528	1/1	0.96	0.10	18,18,18,18	0
56	MG	2A	3501	1/1	0.96	0.08	41,41,41,41	0
56	MG	2P	202	1/1	0.96	0.27	37,37,37,37	0
56	MG	1A	8005	1/1	0.96	0.06	20,20,20,20	0
56	MG	1A	8660	1/1	0.96	0.05	16,16,16,16	0
56	MG	2x	112	1/1	0.96	0.21	39,39,39,39	0
56	MG	1A	8843	1/1	0.96	0.08	33,33,33,33	0
56	MG	1A	8846	1/1	0.96	0.14	37,37,37,37	0
56	MG	2A	3506	1/1	0.96	0.05	33,33,33,33	0
56	MG	1A	8783	1/1	0.97	0.05	15,15,15,15	0
56	MG	2A	3750	1/1	0.97	0.05	24,24,24,24	0
56	MG	1A	8176	1/1	0.97	0.07	28,28,28,28	0
56	MG	2N	203	1/1	0.97	0.12	49,49,49,49	0
56	MG	1A	8633	1/1	0.97	0.08	10,10,10,10	0
56	MG	1a	1674	1/1	0.97	0.14	40,40,40,40	0
56	MG	1A	8786	1/1	0.97	0.06	15,15,15,15	0
56	MG	1A	8037	1/1	0.97	0.04	14,14,14,14	0
56	MG	2Q	202	1/1	0.97	0.06	23,23,23,23	0
56	MG	1A	8019	1/1	0.97	0.22	12,12,12,12	0
56	MG	1A	8179	1/1	0.97	0.28	16,16,16,16	0
56	MG	1A	8790	1/1	0.97	0.10	20,20,20,20	0
56	MG	2A	3005	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3228	1/1	0.97	0.23	34,34,34,34	0
56	MG	1B	3015	1/1	0.97	0.13	18,18,18,18	0
56	MG	1A	8518	1/1	0.97	0.08	35,35,35,35	0
56	MG	2A	3765	1/1	0.97	0.07	48,48,48,48	0
56	MG	2A	3231	1/1	0.97	0.22	32,32,32,32	0
56	MG	2A	3494	1/1	0.97	0.08	30,30,30,30	0
56	MG	2A	3008	1/1	0.97	0.07	27,27,27,27	0
56	MG	1A	8247	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	8520	1/1	0.97	0.07	9,9,9,9	0
56	MG	2A	3011	1/1	0.97	0.08	29,29,29,29	0
56	MG	1B	3019	1/1	0.97	0.05	23,23,23,23	0
56	MG	2X	102	1/1	0.97	0.07	40,40,40,40	0
56	MG	1A	8097	1/1	0.97	0.08	18,18,18,18	0
56	MG	1A	8797	1/1	0.97	0.04	20,20,20,20	0
56	MG	2A	3015	1/1	0.97	0.08	18,18,18,18	0
56	MG	1a	1688	1/1	0.97	0.09	43,43,43,43	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8326	1/1	0.97	0.11	20,20,20,20	0
56	MG	1A	8418	1/1	0.97	0.08	22,22,22,22	0
56	MG	2A	3019	1/1	0.97	0.14	33,33,33,33	0
56	MG	1a	1691	1/1	0.97	0.07	30,30,30,30	0
56	MG	1B	3025	1/1	0.97	0.10	26,26,26,26	0
56	MG	1A	8249	1/1	0.97	0.09	36,36,36,36	0
56	MG	2A	3247	1/1	0.97	0.14	25,25,25,25	0
56	MG	1A	8181	1/1	0.97	0.05	18,18,18,18	0
56	MG	1A	8066	1/1	0.97	0.08	25,25,25,25	0
56	MG	2A	3026	1/1	0.97	0.15	28,28,28,28	0
56	MG	2A	3027	1/1	0.97	0.04	31,31,31,31	0
56	MG	1a	1697	1/1	0.97	0.05	38,38,38,38	0
56	MG	2A	3253	1/1	0.97	0.10	39,39,39,39	0
56	MG	1A	8330	1/1	0.97	0.07	13,13,13,13	0
56	MG	1A	8100	1/1	0.97	0.10	28,28,28,28	0
56	MG	2A	3256	1/1	0.97	0.13	33,33,33,33	0
56	MG	1A	8529	1/1	0.97	0.13	21,21,21,21	0
56	MG	1D	310	1/1	0.97	0.09	12,12,12,12	0
56	MG	1A	8184	1/1	0.97	0.10	17,17,17,17	0
56	MG	2A	3260	1/1	0.97	0.05	26,26,26,26	0
56	MG	1A	8812	1/1	0.97	0.11	31,31,31,31	0
56	MG	1A	8101	1/1	0.97	0.21	11,11,11,11	0
56	MG	1A	8188	1/1	0.97	0.28	16,16,16,16	0
56	MG	1E	302	1/1	0.97	0.07	9,9,9,9	0
56	MG	1A	8259	1/1	0.97	0.08	28,28,28,28	0
56	MG	2A	3266	1/1	0.97	0.08	25,25,25,25	0
56	MG	2A	3807	1/1	0.97	0.06	29,29,29,29	0
56	MG	1A	8431	1/1	0.97	0.05	17,17,17,17	0
56	MG	1A	8820	1/1	0.97	0.07	24,24,24,24	0
56	MG	1A	8537	1/1	0.97	0.03	21,21,21,21	0
56	MG	1A	8337	1/1	0.97	0.11	34,34,34,34	0
56	MG	1A	8434	1/1	0.97	0.09	16,16,16,16	0
56	MG	1A	8540	1/1	0.97	0.05	21,21,21,21	0
56	MG	1A	8189	1/1	0.97	0.20	11,11,11,11	0
56	MG	2A	3046	1/1	0.97	0.13	26,26,26,26	0
56	MG	1F	306	1/1	0.97	0.08	7,7,7,7	0
56	MG	1A	8834	1/1	0.97	0.05	18,18,18,18	0
56	MG	1A	8191	1/1	0.97	0.13	17,17,17,17	0
56	MG	1a	1723	1/1	0.97	0.05	40,40,40,40	0
56	MG	1A	8192	1/1	0.97	0.14	22,22,22,22	0
56	MG	1G	3003	1/1	0.97	0.15	31,31,31,31	0
56	MG	1A	8668	1/1	0.97	0.13	32,32,32,32	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3055	1/1	0.97	0.36	32,32,32,32	0
56	MG	1A	8544	1/1	0.97	0.12	27,27,27,27	0
56	MG	1A	8841	1/1	0.97	0.08	34,34,34,34	0
56	MG	1A	8441	1/1	0.97	0.05	16,16,16,16	0
56	MG	2A	3059	1/1	0.97	0.05	21,21,21,21	0
56	MG	2A	3060	1/1	0.97	0.05	51,51,51,51	0
56	MG	1A	8546	1/1	0.97	0.05	21,21,21,21	0
56	MG	2A	3841	1/1	0.97	0.07	40,40,40,40	0
56	MG	1A	8547	1/1	0.97	0.12	21,21,21,21	0
56	MG	1P	202	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	8343	1/1	0.97	0.06	12,12,12,12	0
56	MG	1A	8067	1/1	0.97	0.06	10,10,10,10	0
56	MG	1Q	202	1/1	0.97	0.12	53,53,53,53	0
56	MG	1Q	203	1/1	0.97	0.05	19,19,19,19	0
56	MG	1Q	204	1/1	0.97	0.05	20,20,20,20	0
56	MG	2A	3851	1/1	0.97	0.07	37,37,37,37	0
56	MG	1A	8851	1/1	0.97	0.08	33,33,33,33	0
56	MG	2A	3071	1/1	0.97	0.18	25,25,25,25	0
56	MG	2A	3855	1/1	0.97	0.05	32,32,32,32	0
56	MG	1Q	206	1/1	0.97	0.04	17,17,17,17	0
56	MG	1A	8676	1/1	0.97	0.09	26,26,26,26	0
56	MG	1R	203	1/1	0.97	0.04	16,16,16,16	0
56	MG	1A	8677	1/1	0.97	0.06	24,24,24,24	0
56	MG	1A	8444	1/1	0.97	0.07	12,12,12,12	0
56	MG	1a	1745	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	8857	1/1	0.97	0.14	44,44,44,44	0
56	MG	2a	1658	1/1	0.97	0.06	63,63,63,63	0
56	MG	1A	8680	1/1	0.97	0.05	19,19,19,19	0
56	MG	1A	8068	1/1	0.97	0.10	16,16,16,16	0
56	MG	2A	3573	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	8141	1/1	0.97	0.11	22,22,22,22	0
56	MG	2A	3083	1/1	0.97	0.11	25,25,25,25	0
56	MG	1V	202	1/1	0.97	0.14	26,26,26,26	0
56	MG	2a	1665	1/1	0.97	0.08	53,53,53,53	0
56	MG	1A	8266	1/1	0.97	0.05	13,13,13,13	0
56	MG	1a	1752	1/1	0.97	0.05	45,45,45,45	0
56	MG	1W	3001	1/1	0.97	0.09	21,21,21,21	0
56	MG	1W	3002	1/1	0.97	0.13	28,28,28,28	0
56	MG	1W	3003	1/1	0.97	0.10	12,12,12,12	0
56	MG	2A	3877	1/1	0.97	0.08	20,20,20,20	0
56	MG	1A	8267	1/1	0.97	0.06	15,15,15,15	0
56	MG	10	102	1/1	0.97	0.09	19,19,19,19	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8028	1/1	0.97	0.07	11,11,11,11	0
56	MG	1A	8557	1/1	0.97	0.20	16,16,16,16	0
56	MG	2A	3882	1/1	0.97	0.05	46,46,46,46	0
56	MG	1a	1760	1/1	0.97	0.05	56,56,56,56	0
56	MG	2a	1678	1/1	0.97	0.09	37,37,37,37	0
56	MG	2A	3589	1/1	0.97	0.30	30,30,30,30	0
56	MG	10	105	1/1	0.97	0.05	27,27,27,27	0
56	MG	1A	8867	1/1	0.97	0.08	55,55,55,55	0
56	MG	2A	3887	1/1	0.97	0.05	41,41,41,41	0
56	MG	1a	1763	1/1	0.97	0.06	55,55,55,55	0
56	MG	1A	8199	1/1	0.97	0.12	14,14,14,14	0
56	MG	1A	8453	1/1	0.97	0.05	24,24,24,24	0
56	MG	2a	1688	1/1	0.97	0.12	53,53,53,53	0
56	MG	1A	8561	1/1	0.97	0.17	17,17,17,17	0
56	MG	1a	1767	1/1	0.97	0.16	55,55,55,55	0
56	MG	2a	1691	1/1	0.97	0.07	52,52,52,52	0
56	MG	2A	3333	1/1	0.97	0.06	39,39,39,39	0
56	MG	2A	3336	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	8874	1/1	0.97	0.04	9,9,9,9	0
56	MG	13	101	1/1	0.97	0.06	17,17,17,17	0
56	MG	1A	8563	1/1	0.97	0.13	11,11,11,11	0
56	MG	2A	3340	1/1	0.97	0.06	32,32,32,32	0
56	MG	2A	3106	1/1	0.97	0.10	31,31,31,31	0
56	MG	1A	8143	1/1	0.97	0.13	20,20,20,20	0
56	MG	2A	3109	1/1	0.97	0.16	41,41,41,41	0
56	MG	1A	8695	1/1	0.97	0.05	11,11,11,11	0
56	MG	2A	3906	1/1	0.97	0.07	39,39,39,39	0
56	MG	1A	8071	1/1	0.97	0.13	10,10,10,10	0
56	MG	2A	3347	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	8073	1/1	0.97	0.15	17,17,17,17	0
56	MG	2a	1706	1/1	0.97	0.06	55,55,55,55	0
56	MG	1A	8699	1/1	0.97	0.05	17,17,17,17	0
56	MG	2a	1709	1/1	0.97	0.06	33,33,33,33	0
56	MG	1A	8074	1/1	0.97	0.13	18,18,18,18	0
56	MG	2A	3353	1/1	0.97	0.07	27,27,27,27	0
56	MG	2A	3355	1/1	0.97	0.04	20,20,20,20	0
56	MG	17	101	1/1	0.97	0.07	21,21,21,21	0
56	MG	17	102	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	8461	1/1	0.97	0.05	10,10,10,10	0
56	MG	1A	8275	1/1	0.97	0.18	10,10,10,10	0
56	MG	1A	8010	1/1	0.97	0.11	7,7,7,7	0
56	MG	2A	3363	1/1	0.97	0.07	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8365	1/1	0.97	0.13	24,24,24,24	0
56	MG	1A	8207	1/1	0.97	0.07	11,11,11,11	0
56	MG	1A	8708	1/1	0.97	0.06	17,17,17,17	0
56	MG	2A	3625	1/1	0.97	0.10	51,51,51,51	0
56	MG	1A	8891	1/1	0.97	0.08	15,15,15,15	0
56	MG	1A	8112	1/1	0.97	0.17	13,13,13,13	0
56	MG	2A	3126	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3630	1/1	0.97	0.15	57,57,57,57	0
56	MG	2A	3127	1/1	0.97	0.11	27,27,27,27	0
56	MG	1A	8712	1/1	0.97	0.09	24,24,24,24	0
56	MG	2A	3635	1/1	0.97	0.08	36,36,36,36	0
56	MG	2A	3129	1/1	0.97	0.07	28,28,28,28	0
56	MG	1A	8896	1/1	0.97	0.08	35,35,35,35	0
56	MG	2A	3935	1/1	0.97	0.11	68,68,68,68	0
56	MG	2A	3638	1/1	0.97	0.06	32,32,32,32	0
56	MG	1A	8280	1/1	0.97	0.06	18,18,18,18	0
56	MG	1A	8209	1/1	0.97	0.07	15,15,15,15	0
56	MG	1A	8113	1/1	0.97	0.05	16,16,16,16	0
56	MG	2A	3134	1/1	0.97	0.05	24,24,24,24	0
56	MG	2A	3135	1/1	0.97	0.04	24,24,24,24	0
56	MG	2A	3380	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	8472	1/1	0.97	0.07	11,11,11,11	0
56	MG	1A	8114	1/1	0.97	0.22	20,20,20,20	0
56	MG	2A	3947	1/1	0.97	0.21	24,24,24,24	0
56	MG	1A	8586	1/1	0.97	0.11	27,27,27,27	0
56	MG	2A	3949	1/1	0.97	0.17	26,26,26,26	0
56	MG	2A	3651	1/1	0.97	0.13	35,35,35,35	0
56	MG	1A	8721	1/1	0.97	0.15	11,11,11,11	0
56	MG	2A	3141	1/1	0.97	0.07	27,27,27,27	0
56	MG	1A	8587	1/1	0.97	0.08	21,21,21,21	0
56	MG	1A	8041	1/1	0.97	0.13	24,24,24,24	0
56	MG	1A	8475	1/1	0.97	0.06	28,28,28,28	0
56	MG	1A	8910	1/1	0.97	0.11	19,19,19,19	0
56	MG	1A	8057	1/1	0.97	0.05	12,12,12,12	0
56	MG	2a	1756	1/1	0.97	0.12	38,38,38,38	0
56	MG	1a	1802	1/1	0.97	0.14	30,30,30,30	0
56	MG	2A	3395	1/1	0.97	0.12	38,38,38,38	0
56	MG	2A	3397	1/1	0.97	0.07	21,21,21,21	0
56	MG	1A	8219	1/1	0.97	0.14	12,12,12,12	0
56	MG	1A	8080	1/1	0.97	0.16	18,18,18,18	0
56	MG	1a	1805	1/1	0.97	0.05	55,55,55,55	0
56	MG	1A	8081	1/1	0.97	0.10	16,16,16,16	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1622	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3669	1/1	0.97	0.05	34,34,34,34	0
56	MG	2A	3403	1/1	0.97	0.05	40,40,40,40	0
56	MG	1A	8031	1/1	0.97	0.09	12,12,12,12	0
56	MG	1A	8083	1/1	0.97	0.10	15,15,15,15	0
56	MG	1a	1813	1/1	0.97	0.07	49,49,49,49	0
56	MG	2A	3973	1/1	0.97	0.05	35,35,35,35	0
56	MG	1a	1814	1/1	0.97	0.11	40,40,40,40	0
56	MG	2A	3975	1/1	0.97	0.10	22,22,22,22	0
56	MG	1A	8919	1/1	0.97	0.07	11,11,11,11	0
56	MG	2A	3410	1/1	0.97	0.05	45,45,45,45	0
56	MG	2a	1776	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	8225	1/1	0.97	0.14	10,10,10,10	0
56	MG	2A	3979	1/1	0.97	0.13	57,57,57,57	0
56	MG	1A	8298	1/1	0.97	0.04	12,12,12,12	0
56	MG	1a	1818	1/1	0.97	0.09	41,41,41,41	0
56	MG	1a	1820	1/1	0.97	0.05	51,51,51,51	0
56	MG	1A	8600	1/1	0.97	0.07	26,26,26,26	0
56	MG	1A	8737	1/1	0.97	0.06	24,24,24,24	0
56	MG	1A	8022	1/1	0.97	0.17	12,12,12,12	0
56	MG	2A	3168	1/1	0.97	0.05	24,24,24,24	0
56	MG	1a	1826	1/1	0.97	0.10	65,65,65,65	0
56	MG	1A	8165	1/1	0.97	0.06	10,10,10,10	0
56	MG	2a	1790	1/1	0.97	0.07	51,51,51,51	0
56	MG	1A	8167	1/1	0.97	0.24	17,17,17,17	0
56	MG	1A	8304	1/1	0.97	0.04	17,17,17,17	0
56	MG	1A	8744	1/1	0.97	0.06	17,17,17,17	0
56	MG	1A	8388	1/1	0.97	0.06	11,11,11,11	0
56	MG	1A	8933	1/1	0.97	0.11	20,20,20,20	0
56	MG	2A	3426	1/1	0.97	0.05	55,55,55,55	0
56	MG	1A	8934	1/1	0.97	0.05	48,48,48,48	0
56	MG	1A	8746	1/1	0.97	0.11	22,22,22,22	0
56	MG	2A	3429	1/1	0.97	0.06	37,37,37,37	0
56	MG	2a	1802	1/1	0.97	0.08	60,60,60,60	0
56	MG	1A	8493	1/1	0.97	0.07	16,16,16,16	0
56	MG	1a	1641	1/1	0.97	0.14	33,33,33,33	0
56	MG	1A	8748	1/1	0.97	0.11	18,18,18,18	0
56	MG	1A	8609	1/1	0.97	0.07	18,18,18,18	0
56	MG	1A	8942	1/1	0.97	0.04	11,11,11,11	0
56	MG	1A	8229	1/1	0.97	0.07	21,21,21,21	0
56	MG	2a	1811	1/1	0.97	0.05	59,59,59,59	0
56	MG	1A	8945	1/1	0.97	0.06	8,8,8,8	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8306	1/1	0.97	0.06	14,14,14,14	0
56	MG	2A	3187	1/1	0.97	0.12	42,42,42,42	0
56	MG	2A	3441	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3188	1/1	0.97	0.25	33,33,33,33	0
56	MG	2B	3022	1/1	0.97	0.07	59,59,59,59	0
56	MG	2A	3189	1/1	0.97	0.08	32,32,32,32	0
56	MG	1a	1648	1/1	0.97	0.20	38,38,38,38	0
56	MG	1A	8008	1/1	0.97	0.18	23,23,23,23	0
56	MG	1A	8025	1/1	0.97	0.29	23,23,23,23	0
56	MG	2A	3193	1/1	0.97	0.07	27,27,27,27	0
56	MG	2A	3450	1/1	0.97	0.10	27,27,27,27	0
56	MG	2D	304	1/1	0.97	0.12	41,41,41,41	0
56	MG	1A	8502	1/1	0.97	0.19	18,18,18,18	0
56	MG	1A	8393	1/1	0.97	0.17	20,20,20,20	0
56	MG	2D	308	1/1	0.97	0.06	33,33,33,33	0
56	MG	1A	8311	1/1	0.97	0.04	11,11,11,11	0
56	MG	2D	310	1/1	0.97	0.13	37,37,37,37	0
56	MG	2A	3456	1/1	0.97	0.05	23,23,23,23	0
56	MG	1A	8957	1/1	0.97	0.09	26,26,26,26	0
56	MG	1A	8762	1/1	0.97	0.05	34,34,34,34	0
56	MG	1A	8006	1/1	0.97	0.10	14,14,14,14	0
56	MG	1A	8963	1/1	0.97	0.19	14,14,14,14	0
56	MG	1A	8764	1/1	0.97	0.05	27,27,27,27	0
56	MG	1A	8125	1/1	0.97	0.11	30,30,30,30	0
56	MG	2E	302	1/1	0.97	0.06	26,26,26,26	0
56	MG	1A	8767	1/1	0.97	0.08	33,33,33,33	0
56	MG	1A	8126	1/1	0.97	0.18	12,12,12,12	0
56	MG	2A	3466	1/1	0.97	0.06	46,46,46,46	0
56	MG	2A	3467	1/1	0.97	0.11	52,52,52,52	0
56	MG	1A	8769	1/1	0.97	0.09	20,20,20,20	0
56	MG	1A	8971	1/1	0.97	0.14	9,9,9,9	0
56	MG	1A	8773	1/1	0.97	0.07	29,29,29,29	0
56	MG	1A	8235	1/1	0.97	0.20	9,9,9,9	0
56	MG	1A	8626	1/1	0.97	0.05	22,22,22,22	0
56	MG	2A	3210	1/1	0.97	0.09	34,34,34,34	0
56	MG	1A	8173	1/1	0.97	0.17	15,15,15,15	0
56	MG	1A	8090	1/1	0.97	0.10	36,36,36,36	0
56	MG	1A	8091	1/1	0.97	0.17	16,16,16,16	0
56	MG	2A	3746	1/1	0.97	0.13	27,27,27,27	0
57	ZN	1n	102	1/1	0.97	0.04	55,55,55,55	0
57	ZN	2Y	202	1/1	0.97	0.04	66,66,66,66	0
57	ZN	24	501	1/1	0.97	0.13	99,99,99,99	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	SF4	2d	501	8/8	0.97	0.05	47,53,59,65	0
56	MG	2A	3215	1/1	0.97	0.05	26,26,26,26	0
56	MG	1A	8513	1/1	0.97	0.07	27,27,27,27	0
56	MG	1A	8875	1/1	0.98	0.15	10,10,10,10	0
56	MG	1A	8358	1/1	0.98	0.05	7,7,7,7	0
56	MG	1A	8877	1/1	0.98	0.05	38,38,38,38	0
56	MG	2A	3859	1/1	0.98	0.10	41,41,41,41	0
56	MG	1A	8611	1/1	0.98	0.06	17,17,17,17	0
56	MG	2A	3861	1/1	0.98	0.05	50,50,50,50	0
56	MG	2A	3214	1/1	0.98	0.05	32,32,32,32	0
56	MG	2A	3621	1/1	0.98	0.10	44,44,44,44	0
56	MG	1A	8724	1/1	0.98	0.13	17,17,17,17	0
56	MG	1A	8359	1/1	0.98	0.05	24,24,24,24	0
56	MG	1R	202	1/1	0.98	0.06	26,26,26,26	0
56	MG	1A	8613	1/1	0.98	0.07	36,36,36,36	0
56	MG	2A	3626	1/1	0.98	0.06	60,60,60,60	0
56	MG	1A	8240	1/1	0.98	0.15	13,13,13,13	0
56	MG	1A	8134	1/1	0.98	0.04	12,12,12,12	0
56	MG	1A	8164	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	8363	1/1	0.98	0.09	15,15,15,15	0
56	MG	2A	3631	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	8439	1/1	0.98	0.07	6,6,6,6	0
56	MG	2A	3875	1/1	0.98	0.06	23,23,23,23	0
56	MG	1A	8733	1/1	0.98	0.08	54,54,54,54	0
56	MG	2A	3634	1/1	0.98	0.05	43,43,43,43	0
56	MG	2A	3225	1/1	0.98	0.09	42,42,42,42	0
56	MG	1A	8620	1/1	0.98	0.11	25,25,25,25	0
56	MG	1A	8297	1/1	0.98	0.07	13,13,13,13	0
56	MG	1A	8243	1/1	0.98	0.10	17,17,17,17	0
56	MG	2A	3047	1/1	0.98	0.07	18,18,18,18	0
56	MG	1A	8024	1/1	0.98	0.24	8,8,8,8	0
56	MG	1A	8738	1/1	0.98	0.07	38,38,38,38	0
56	MG	2A	3642	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	8894	1/1	0.98	0.07	8,8,8,8	0
56	MG	2a	1639	1/1	0.98	0.05	27,27,27,27	0
56	MG	2A	3644	1/1	0.98	0.05	40,40,40,40	0
56	MG	1A	8245	1/1	0.98	0.10	8,8,8,8	0
56	MG	1A	8740	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	8136	1/1	0.98	0.06	10,10,10,10	0
56	MG	1A	8446	1/1	0.98	0.04	26,26,26,26	0
56	MG	2A	3649	1/1	0.98	0.07	42,42,42,42	0
56	MG	1A	8303	1/1	0.98	0.04	11,11,11,11	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3894	1/1	0.98	0.08	36,36,36,36	0
56	MG	1A	8053	1/1	0.98	0.06	11,11,11,11	0
56	MG	2A	3439	1/1	0.98	0.05	25,25,25,25	0
56	MG	2A	3898	1/1	0.98	0.05	46,46,46,46	0
56	MG	1A	8630	1/1	0.98	0.14	36,36,36,36	0
56	MG	1A	8203	1/1	0.98	0.04	15,15,15,15	0
56	MG	2A	3656	1/1	0.98	0.19	24,24,24,24	0
56	MG	1A	8533	1/1	0.98	0.12	28,28,28,28	0
56	MG	1A	8906	1/1	0.98	0.07	13,13,13,13	0
56	MG	1A	8450	1/1	0.98	0.05	14,14,14,14	0
56	MG	1A	8908	1/1	0.98	0.16	9,9,9,9	0
56	MG	1A	8017	1/1	0.98	0.10	13,13,13,13	0
56	MG	2A	3449	1/1	0.98	0.06	25,25,25,25	0
56	MG	15	104	1/1	0.98	0.17	16,16,16,16	0
56	MG	1A	8635	1/1	0.98	0.12	34,34,34,34	0
56	MG	1A	8752	1/1	0.98	0.06	12,12,12,12	0
56	MG	2A	3067	1/1	0.98	0.08	20,20,20,20	0
56	MG	2A	3454	1/1	0.98	0.04	28,28,28,28	0
56	MG	2A	3455	1/1	0.98	0.04	40,40,40,40	0
56	MG	1A	8912	1/1	0.98	0.07	15,15,15,15	0
56	MG	1A	8055	1/1	0.98	0.20	10,10,10,10	0
56	MG	1A	8637	1/1	0.98	0.04	11,11,11,11	0
56	MG	1A	8638	1/1	0.98	0.06	18,18,18,18	0
56	MG	1A	8077	1/1	0.98	0.09	15,15,15,15	0
56	MG	2A	3674	1/1	0.98	0.05	32,32,32,32	0
56	MG	1A	8309	1/1	0.98	0.05	19,19,19,19	0
56	MG	1A	8918	1/1	0.98	0.05	16,16,16,16	0
56	MG	1A	8758	1/1	0.98	0.09	11,11,11,11	0
56	MG	1A	8094	1/1	0.98	0.07	12,12,12,12	0
56	MG	2A	3925	1/1	0.98	0.09	42,42,42,42	0
56	MG	1A	8761	1/1	0.98	0.05	7,7,7,7	0
56	MG	2A	3078	1/1	0.98	0.19	24,24,24,24	0
56	MG	1A	8312	1/1	0.98	0.06	7,7,7,7	0
56	MG	2A	3682	1/1	0.98	0.08	40,40,40,40	0
56	MG	1A	8459	1/1	0.98	0.07	24,24,24,24	0
56	MG	1A	8924	1/1	0.98	0.09	12,12,12,12	0
56	MG	1A	8253	1/1	0.98	0.17	23,23,23,23	0
56	MG	1A	8254	1/1	0.98	0.04	15,15,15,15	0
56	MG	2a	1685	1/1	0.98	0.05	41,41,41,41	0
56	MG	2a	1686	1/1	0.98	0.04	41,41,41,41	0
56	MG	2A	3084	1/1	0.98	0.18	21,21,21,21	0
56	MG	1A	8095	1/1	0.98	0.10	6,6,6,6	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8928	1/1	0.98	0.24	16,16,16,16	0
56	MG	1A	8929	1/1	0.98	0.09	17,17,17,17	0
56	MG	1A	8096	1/1	0.98	0.07	10,10,10,10	0
56	MG	1A	8211	1/1	0.98	0.25	15,15,15,15	0
56	MG	1A	8770	1/1	0.98	0.04	21,21,21,21	0
56	MG	2A	3941	1/1	0.98	0.05	35,35,35,35	0
56	MG	2A	3695	1/1	0.98	0.04	33,33,33,33	0
56	MG	1A	8771	1/1	0.98	0.08	24,24,24,24	0
56	MG	1A	8772	1/1	0.98	0.06	27,27,27,27	0
56	MG	2A	3945	1/1	0.98	0.05	22,22,22,22	0
56	MG	1A	8935	1/1	0.98	0.20	5,5,5,5	0
56	MG	1A	8936	1/1	0.98	0.18	11,11,11,11	0
56	MG	1A	8937	1/1	0.98	0.04	11,11,11,11	0
56	MG	1A	8078	1/1	0.98	0.10	9,9,9,9	0
56	MG	1A	8145	1/1	0.98	0.12	15,15,15,15	0
56	MG	1A	8146	1/1	0.98	0.11	13,13,13,13	0
56	MG	1A	8551	1/1	0.98	0.07	32,32,32,32	0
56	MG	1A	8779	1/1	0.98	0.06	29,29,29,29	0
56	MG	1A	8943	1/1	0.98	0.25	19,19,19,19	0
56	MG	2a	1708	1/1	0.98	0.06	29,29,29,29	0
56	MG	1A	8215	1/1	0.98	0.18	12,12,12,12	0
56	MG	1A	8216	1/1	0.98	0.24	15,15,15,15	0
56	MG	2A	3711	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	8656	1/1	0.98	0.12	22,22,22,22	0
56	MG	1A	8947	1/1	0.98	0.04	19,19,19,19	0
56	MG	1A	8217	1/1	0.98	0.13	11,11,11,11	0
56	MG	2A	3289	1/1	0.98	0.07	22,22,22,22	0
56	MG	1a	1630	1/1	0.98	0.15	17,17,17,17	0
56	MG	2A	3108	1/1	0.98	0.24	27,27,27,27	0
56	MG	1A	8658	1/1	0.98	0.28	9,9,9,9	0
56	MG	2A	3110	1/1	0.98	0.14	35,35,35,35	0
56	MG	1A	8950	1/1	0.98	0.06	26,26,26,26	0
56	MG	1A	8218	1/1	0.98	0.07	11,11,11,11	0
56	MG	1A	8065	1/1	0.98	0.04	11,11,11,11	0
56	MG	1A	8148	1/1	0.98	0.04	7,7,7,7	0
56	MG	1a	1808	1/1	0.98	0.04	35,35,35,35	0
56	MG	2A	3725	1/1	0.98	0.04	29,29,29,29	0
56	MG	2A	3299	1/1	0.98	0.03	41,41,41,41	0
56	MG	1A	8954	1/1	0.98	0.13	13,13,13,13	0
56	MG	1A	8955	1/1	0.98	0.27	11,11,11,11	0
56	MG	1A	8268	1/1	0.98	0.15	15,15,15,15	0
56	MG	1A	8396	1/1	0.98	0.04	14,14,14,14	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3512	1/1	0.98	0.04	53,53,53,53	0
56	MG	2A	3304	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	8959	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	8664	1/1	0.98	0.04	26,26,26,26	0
56	MG	1A	8962	1/1	0.98	0.17	11,11,11,11	0
56	MG	1A	8560	1/1	0.98	0.07	18,18,18,18	0
56	MG	1a	1819	1/1	0.98	0.07	37,37,37,37	0
56	MG	2a	1738	1/1	0.98	0.04	43,43,43,43	0
56	MG	2a	1739	1/1	0.98	0.12	48,48,48,48	0
56	MG	1A	8397	1/1	0.98	0.06	18,18,18,18	0
56	MG	2A	3311	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	8562	1/1	0.98	0.12	9,9,9,9	0
56	MG	1A	8046	1/1	0.98	0.08	12,12,12,12	0
56	MG	1a	1824	1/1	0.98	0.07	54,54,54,54	0
56	MG	2a	1745	1/1	0.98	0.05	55,55,55,55	0
56	MG	1A	8796	1/1	0.98	0.07	35,35,35,35	0
56	MG	2A	3745	1/1	0.98	0.07	39,39,39,39	0
56	MG	1A	8969	1/1	0.98	0.13	12,12,12,12	0
56	MG	1A	8564	1/1	0.98	0.23	11,11,11,11	0
56	MG	1A	8481	1/1	0.98	0.06	20,20,20,20	0
56	MG	1A	8567	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	8399	1/1	0.98	0.09	34,34,34,34	0
56	MG	1A	8673	1/1	0.98	0.17	32,32,32,32	0
56	MG	1a	1832	1/1	0.98	0.05	44,44,44,44	0
56	MG	1A	8151	1/1	0.98	0.07	10,10,10,10	0
56	MG	1A	8223	1/1	0.98	0.24	18,18,18,18	0
56	MG	1A	8047	1/1	0.98	0.18	6,6,6,6	0
56	MG	1A	8805	1/1	0.98	0.09	34,34,34,34	0
56	MG	1A	8405	1/1	0.98	0.04	16,16,16,16	0
56	MG	2A	3758	1/1	0.98	0.11	28,28,28,28	0
56	MG	1A	8808	1/1	0.98	0.12	17,17,17,17	0
56	MG	1A	8678	1/1	0.98	0.04	21,21,21,21	0
56	MG	1A	8487	1/1	0.98	0.10	31,31,31,31	0
56	MG	2A	3146	1/1	0.98	0.24	28,28,28,28	0
56	MG	2A	3334	1/1	0.98	0.04	23,23,23,23	0
56	MG	2A	3764	1/1	0.98	0.06	62,62,62,62	0
56	MG	1A	8406	1/1	0.98	0.13	42,42,42,42	0
56	MG	1A	8576	1/1	0.98	0.05	29,29,29,29	0
56	MG	2A	3544	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	8815	1/1	0.98	0.10	21,21,21,21	0
56	MG	1B	3013	1/1	0.98	0.04	24,24,24,24	0
56	MG	1A	8816	1/1	0.98	0.05	12,12,12,12	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1773	1/1	0.98	0.07	52,52,52,52	0
56	MG	1A	8682	1/1	0.98	0.04	23,23,23,23	0
56	MG	1A	8102	1/1	0.98	0.14	16,16,16,16	0
56	MG	1A	8103	1/1	0.98	0.06	13,13,13,13	0
56	MG	2A	3776	1/1	0.98	0.06	51,51,51,51	0
56	MG	1A	8185	1/1	0.98	0.13	26,26,26,26	0
56	MG	2A	3345	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	8825	1/1	0.98	0.10	35,35,35,35	0
56	MG	2a	1781	1/1	0.98	0.05	61,61,61,61	0
56	MG	1A	8492	1/1	0.98	0.08	18,18,18,18	0
56	MG	1A	8186	1/1	0.98	0.07	26,26,26,26	0
56	MG	1A	8494	1/1	0.98	0.20	17,17,17,17	0
56	MG	2A	3350	1/1	0.98	0.12	28,28,28,28	0
56	MG	1B	3023	1/1	0.98	0.10	46,46,46,46	0
56	MG	2A	3352	1/1	0.98	0.08	60,60,60,60	0
56	MG	2E	304	1/1	0.98	0.10	21,21,21,21	0
56	MG	1A	8584	1/1	0.98	0.07	35,35,35,35	0
56	MG	2a	1791	1/1	0.98	0.04	51,51,51,51	0
56	MG	1A	8690	1/1	0.98	0.04	20,20,20,20	0
56	MG	2A	3163	1/1	0.98	0.06	23,23,23,23	0
56	MG	1A	8835	1/1	0.98	0.08	36,36,36,36	0
56	MG	2A	3359	1/1	0.98	0.04	30,30,30,30	0
56	MG	1A	8030	1/1	0.98	0.19	20,20,20,20	0
56	MG	2A	3166	1/1	0.98	0.03	42,42,42,42	0
56	MG	1D	301	1/1	0.98	0.06	21,21,21,21	0
56	MG	1A	8837	1/1	0.98	0.04	18,18,18,18	0
56	MG	1D	304	1/1	0.98	0.04	14,14,14,14	0
56	MG	1A	8692	1/1	0.98	0.12	19,19,19,19	0
56	MG	1A	8496	1/1	0.98	0.06	21,21,21,21	0
56	MG	2a	1804	1/1	0.98	0.14	65,65,65,65	0
56	MG	1A	8018	1/1	0.98	0.12	10,10,10,10	0
56	MG	1D	309	1/1	0.98	0.10	26,26,26,26	0
56	MG	1A	8414	1/1	0.98	0.07	35,35,35,35	0
56	MG	2a	1808	1/1	0.98	0.07	53,53,53,53	0
56	MG	1A	8499	1/1	0.98	0.10	18,18,18,18	0
56	MG	1A	8844	1/1	0.98	0.18	15,15,15,15	0
56	MG	1A	8070	1/1	0.98	0.12	16,16,16,16	0
56	MG	2A	3579	1/1	0.98	0.12	25,25,25,25	0
56	MG	2A	3805	1/1	0.98	0.04	40,40,40,40	0
56	MG	1A	8698	1/1	0.98	0.06	30,30,30,30	0
56	MG	1E	301	1/1	0.98	0.09	22,22,22,22	0
56	MG	1A	8190	1/1	0.98	0.04	15,15,15,15	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3583	1/1	0.98	0.04	25,25,25,25	0
56	MG	1a	1695	1/1	0.98	0.05	27,27,27,27	0
56	MG	1A	8503	1/1	0.98	0.06	23,23,23,23	0
56	MG	1A	8085	1/1	0.98	0.08	15,15,15,15	0
56	MG	1A	8702	1/1	0.98	0.04	30,30,30,30	0
56	MG	2A	3381	1/1	0.98	0.04	31,31,31,31	0
56	MG	1A	8012	1/1	0.98	0.03	18,18,18,18	0
56	MG	1A	8854	1/1	0.98	0.07	22,22,22,22	0
56	MG	2A	3819	1/1	0.98	0.05	32,32,32,32	0
56	MG	2A	3821	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	8345	1/1	0.98	0.04	30,30,30,30	0
56	MG	2A	3824	1/1	0.98	0.04	42,42,42,42	0
56	MG	1A	8856	1/1	0.98	0.06	18,18,18,18	0
56	MG	1A	8420	1/1	0.98	0.07	28,28,28,28	0
56	MG	2A	3387	1/1	0.98	0.07	47,47,47,47	0
56	MG	2A	3388	1/1	0.98	0.07	23,23,23,23	0
56	MG	1F	304	1/1	0.98	0.04	9,9,9,9	0
56	MG	1A	8109	1/1	0.98	0.04	12,12,12,12	0
56	MG	2Y	203	1/1	0.98	0.05	47,47,47,47	0
56	MG	1F	307	1/1	0.98	0.10	13,13,13,13	0
56	MG	1F	308	1/1	0.98	0.07	18,18,18,18	0
56	MG	1A	8422	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3836	1/1	0.98	0.08	32,32,32,32	0
56	MG	1A	8195	1/1	0.98	0.26	8,8,8,8	0
56	MG	1A	8072	1/1	0.98	0.07	11,11,11,11	0
56	MG	2A	3839	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	8238	1/1	0.98	0.12	19,19,19,19	0
56	MG	1A	8715	1/1	0.98	0.05	17,17,17,17	0
56	MG	1A	8288	1/1	0.98	0.04	8,8,8,8	0
56	MG	2A	3844	1/1	0.98	0.06	46,46,46,46	0
56	MG	1A	8289	1/1	0.98	0.07	8,8,8,8	0
56	MG	1N	202	1/1	0.98	0.05	28,28,28,28	0
56	MG	2A	3023	1/1	0.98	0.08	43,43,43,43	0
56	MG	2A	3609	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	8606	1/1	0.98	0.12	26,26,26,26	0
56	MG	1A	8869	1/1	0.98	0.07	20,20,20,20	0
56	MG	1A	8607	1/1	0.98	0.07	18,18,18,18	0
56	MG	1A	8162	1/1	0.98	0.09	10,10,10,10	0
58	SF4	1d	501	8/8	0.98	0.05	48,49,54,54	0
56	MG	2A	3853	1/1	0.98	0.07	54,54,54,54	0
56	MG	1A	8873	1/1	0.98	0.05	10,10,10,10	0
56	MG	1A	8293	1/1	0.98	0.10	12,12,12,12	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1715	1/1	0.99	0.03	32,32,32,32	0
56	MG	1A	8811	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	8166	1/1	0.99	0.03	14,14,14,14	0
56	MG	2A	3313	1/1	0.99	0.06	31,31,31,31	0
56	MG	1A	8614	1/1	0.99	0.19	41,41,41,41	0
56	MG	1A	8961	1/1	0.99	0.06	20,20,20,20	0
56	MG	2A	3316	1/1	0.99	0.21	34,34,34,34	0
56	MG	1A	8705	1/1	0.99	0.03	10,10,10,10	0
56	MG	1a	1811	1/1	0.99	0.04	58,58,58,58	0
56	MG	1a	1812	1/1	0.99	0.03	35,35,35,35	0
56	MG	1P	203	1/1	0.99	0.07	8,8,8,8	0
56	MG	1a	1722	1/1	0.99	0.03	32,32,32,32	0
56	MG	1A	8302	1/1	0.99	0.05	21,21,21,21	0
56	MG	1A	8366	1/1	0.99	0.04	14,14,14,14	0
56	MG	1a	1725	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	8889	1/1	0.99	0.10	17,17,17,17	0
56	MG	1A	8817	1/1	0.99	0.10	31,31,31,31	0
56	MG	1A	8967	1/1	0.99	0.21	27,27,27,27	0
56	MG	1A	8007	1/1	0.99	0.06	8,8,8,8	0
56	MG	2A	3137	1/1	0.99	0.04	26,26,26,26	0
56	MG	1a	1822	1/1	0.99	0.05	25,25,25,25	0
56	MG	1A	8760	1/1	0.99	0.03	12,12,12,12	0
56	MG	1A	8709	1/1	0.99	0.03	23,23,23,23	0
56	MG	1A	8821	1/1	0.99	0.03	9,9,9,9	0
56	MG	1A	8822	1/1	0.99	0.07	44,44,44,44	0
56	MG	2A	3335	1/1	0.99	0.06	37,37,37,37	0
56	MG	1A	8535	1/1	0.99	0.05	31,31,31,31	0
56	MG	2A	3440	1/1	0.99	0.04	30,30,30,30	0
56	MG	2A	3652	1/1	0.99	0.05	43,43,43,43	0
56	MG	1A	8898	1/1	0.99	0.08	39,39,39,39	0
56	MG	1A	8342	1/1	0.99	0.05	9,9,9,9	0
56	MG	2A	3443	1/1	0.99	0.02	31,31,31,31	0
56	MG	1A	8826	1/1	0.99	0.03	14,14,14,14	0
56	MG	1A	8827	1/1	0.99	0.07	12,12,12,12	0
56	MG	2A	3769	1/1	0.99	0.04	31,31,31,31	0
56	MG	1U	203	1/1	0.99	0.08	13,13,13,13	0
56	MG	1A	8828	1/1	0.99	0.06	40,40,40,40	0
56	MG	1A	8713	1/1	0.99	0.04	9,9,9,9	0
56	MG	2A	3773	1/1	0.99	0.08	24,24,24,24	0
56	MG	1A	8830	1/1	0.99	0.05	27,27,27,27	0
56	MG	1A	8426	1/1	0.99	0.06	31,31,31,31	0
56	MG	1A	8766	1/1	0.99	0.03	37,37,37,37	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2D	305	1/1	0.99	0.04	33,33,33,33	0
56	MG	1A	8369	1/1	0.99	0.04	11,11,11,11	0
56	MG	2A	3896	1/1	0.99	0.03	28,28,28,28	0
56	MG	1X	101	1/1	0.99	0.03	20,20,20,20	0
56	MG	1A	8501	1/1	0.99	0.05	29,29,29,29	0
56	MG	1A	8580	1/1	0.99	0.03	27,27,27,27	0
56	MG	2D	311	1/1	0.99	0.03	29,29,29,29	0
56	MG	1A	8624	1/1	0.99	0.05	34,34,34,34	0
56	MG	1A	8149	1/1	0.99	0.10	11,11,11,11	0
56	MG	1A	8021	1/1	0.99	0.20	12,12,12,12	0
56	MG	2A	3354	1/1	0.99	0.04	27,27,27,27	0
56	MG	2A	3460	1/1	0.99	0.06	25,25,25,25	0
56	MG	1A	8466	1/1	0.99	0.08	25,25,25,25	0
56	MG	1A	8086	1/1	0.99	0.07	18,18,18,18	0
56	MG	2a	1789	1/1	0.99	0.04	63,63,63,63	0
56	MG	2A	3357	1/1	0.99	0.04	20,20,20,20	0
56	MG	1A	8775	1/1	0.99	0.03	9,9,9,9	0
56	MG	2a	1792	1/1	0.99	0.09	55,55,55,55	0
56	MG	2A	3570	1/1	0.99	0.05	35,35,35,35	0
56	MG	1A	8842	1/1	0.99	0.08	11,11,11,11	0
56	MG	1A	8290	1/1	0.99	0.04	19,19,19,19	0
56	MG	1A	8432	1/1	0.99	0.02	26,26,26,26	0
56	MG	1A	8845	1/1	0.99	0.14	28,28,28,28	0
56	MG	1A	8778	1/1	0.99	0.03	21,21,21,21	0
56	MG	1A	8127	1/1	0.99	0.18	11,11,11,11	0
56	MG	1A	8848	1/1	0.99	0.10	13,13,13,13	0
56	MG	1A	8588	1/1	0.99	0.05	11,11,11,11	0
56	MG	2A	3918	1/1	0.99	0.04	43,43,43,43	0
56	MG	1A	8375	1/1	0.99	0.05	11,11,11,11	0
56	MG	1A	8435	1/1	0.99	0.04	16,16,16,16	0
56	MG	2A	3475	1/1	0.99	0.04	23,23,23,23	0
56	MG	1a	1676	1/1	0.99	0.12	30,30,30,30	0
56	MG	1D	302	1/1	0.99	0.04	11,11,11,11	0
56	MG	1A	8591	1/1	0.99	0.16	10,10,10,10	0
56	MG	1A	8730	1/1	0.99	0.04	62,62,62,62	0
56	MG	1A	8403	1/1	0.99	0.05	13,13,13,13	0
56	MG	1A	8292	1/1	0.99	0.03	26,26,26,26	0
56	MG	1A	8310	1/1	0.99	0.04	8,8,8,8	0
56	MG	2A	3809	1/1	0.99	0.04	20,20,20,20	0
56	MG	1A	8350	1/1	0.99	0.08	8,8,8,8	0
56	MG	2A	3811	1/1	0.99	0.05	47,47,47,47	0
56	MG	1A	8440	1/1	0.99	0.08	5,5,5,5	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	8032	1/1	0.99	0.08	6,6,6,6	0
56	MG	2A	3184	1/1	0.99	0.11	25,25,25,25	0
56	MG	1A	8860	1/1	0.99	0.09	22,22,22,22	0
56	MG	1A	8642	1/1	0.99	0.03	18,18,18,18	0
56	MG	1A	8862	1/1	0.99	0.07	42,42,42,42	0
56	MG	1A	8792	1/1	0.99	0.05	15,15,15,15	0
56	MG	2d	502	1/1	0.99	0.03	53,53,53,53	0
56	MG	1A	8278	1/1	0.99	0.03	8,8,8,8	0
56	MG	2A	3820	1/1	0.99	0.03	29,29,29,29	0
56	MG	1A	8410	1/1	0.99	0.05	35,35,35,35	0
56	MG	2A	3822	1/1	0.99	0.04	46,46,46,46	0
56	MG	2A	3707	1/1	0.99	0.04	31,31,31,31	0
56	MG	1A	8354	1/1	0.99	0.05	9,9,9,9	0
56	MG	2A	3825	1/1	0.99	0.04	27,27,27,27	0
56	MG	2A	3826	1/1	0.99	0.05	33,33,33,33	0
56	MG	1A	8204	1/1	0.99	0.28	20,20,20,20	0
56	MG	1A	8051	1/1	0.99	0.12	10,10,10,10	0
56	MG	1A	8357	1/1	0.99	0.03	6,6,6,6	0
56	MG	1A	8870	1/1	0.99	0.09	20,20,20,20	0
56	MG	1A	8194	1/1	0.99	0.18	17,17,17,17	0
56	MG	1A	8334	1/1	0.99	0.04	13,13,13,13	0
56	MG	1A	8099	1/1	0.99	0.15	12,12,12,12	0
56	MG	1F	305	1/1	0.99	0.03	15,15,15,15	0
56	MG	1A	8256	1/1	0.99	0.17	14,14,14,14	0
56	MG	1A	8131	1/1	0.99	0.15	12,12,12,12	0
56	MG	1A	8566	1/1	0.99	0.04	22,22,22,22	0
56	MG	1F	309	1/1	0.99	0.12	14,14,14,14	0
56	MG	1a	1705	1/1	0.99	0.08	25,25,25,25	0
56	MG	1a	1795	1/1	0.99	0.08	52,52,52,52	0
56	MG	1a	1706	1/1	0.99	0.03	27,27,27,27	0
56	MG	2A	3842	1/1	0.99	0.08	48,48,48,48	0
56	MG	2A	3404	1/1	0.99	0.04	25,25,25,25	0
56	MG	1A	8750	1/1	0.99	0.04	31,31,31,31	0
56	MG	2A	3965	1/1	0.99	0.09	32,32,32,32	0
56	MG	1A	8338	1/1	0.99	0.06	13,13,13,13	0
57	ZN	1Y	501	1/1	0.99	0.02	47,47,47,47	0
56	MG	1A	8807	1/1	0.99	0.04	18,18,18,18	0
57	ZN	15	102	1/1	0.99	0.02	31,31,31,31	0
57	ZN	16	101	1/1	0.99	0.02	24,24,24,24	0
56	MG	1A	8454	1/1	0.99	0.04	16,16,16,16	0
56	MG	2A	3969	1/1	0.99	0.13	55,55,55,55	0
56	MG	1A	8455	1/1	0.99	0.04	22,22,22,22	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	ZN	25	102	1/1	0.99	0.04	53,53,53,53	0
57	ZN	26	101	1/1	0.99	0.02	42,42,42,42	0
57	ZN	29	501	1/1	0.99	0.02	52,52,52,52	0
57	ZN	2n	501	1/1	0.99	0.03	64,64,64,64	0
56	MG	1a	1712	1/1	0.99	0.04	39,39,39,39	0
56	MG	2A	3732	1/1	0.99	0.07	62,62,62,62	0
56	MG	1A	8956	1/1	0.99	0.16	11,11,11,11	0
56	MG	1A	8810	1/1	0.99	0.04	8,8,8,8	0
56	MG	2A	3366	1/1	1.00	0.04	29,29,29,29	0
56	MG	2A	3708	1/1	1.00	0.02	30,30,30,30	0
57	ZN	19	102	1/1	1.00	0.02	27,27,27,27	0
56	MG	1D	308	1/1	1.00	0.02	8,8,8,8	0
56	MG	1A	8710	1/1	1.00	0.03	16,16,16,16	0
56	MG	1A	8462	1/1	1.00	0.02	8,8,8,8	0
56	MG	1A	8404	1/1	1.00	0.03	8,8,8,8	0
56	MG	1A	8352	1/1	1.00	0.02	21,21,21,21	0
56	MG	1A	8477	1/1	1.00	0.05	14,14,14,14	0
56	MG	1A	8823	1/1	1.00	0.02	23,23,23,23	0
56	MG	1A	8574	1/1	1.00	0.03	15,15,15,15	0
56	MG	1A	8895	1/1	1.00	0.02	12,12,12,12	0
56	MG	2A	3396	1/1	1.00	0.02	25,25,25,25	0
56	MG	2A	3694	1/1	1.00	0.03	35,35,35,35	0

5.5 Other polymers ⓘ

There are no such residues in this entry.