Full wwPDB X-ray Structure Validation Report (i)

Jun 12, 2025 – 11:36 PM EDT

PDB ID	:	9MTT / pdb_00009mtt
Title	:	Crystal structure of the wild-type Thermus thermophilus 70S ribosome in complex with mRNA, A-site Q230-N5-methylated Release Factor 1, and P-site deacylated-tRNAcys at 2.60A resolution
Authors	:	Aleksandrova, E.V.; Syroegin, E.A.; Basu, R.S.; Vassilevski, A.A.; Gagnon, M.G.; Polikanov, Y.S.
Deposited on	:	2025-01-12
Resolution	:	2.60 Å(reported)

This is a Full wwPDB X-ray Structure Validation 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 (i) 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 (i)) were used in the production of this report:

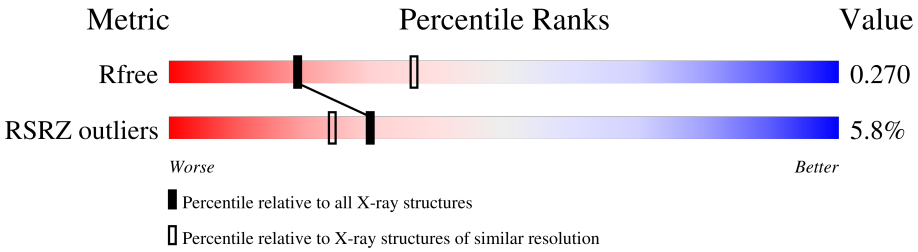
MolProbity	:	FAILED
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0rc1
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.006 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.43.1

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 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	3775 (2.60-2.60)
RSRZ outliers	164620	3775 (2.60-2.60)

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	1a	1733	-	-	-	X
56	MG	2a	1694	-	-	-	X

2 Entry composition (i)

There are 60 unique types of molecules in this entry. The entry contains 296938 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	2871	Total	C	N	O	P	0	0	0
			61852	27531	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60322	26848	11284	19390	2800			

- 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
			2577	1146	476	835	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2575	1146	476	833	120			

- 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
			2136	1349	423	361	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
			1423	913	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1428	913	258	253	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	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	146	Total	C	N	O	S	0	0	0
			1097	701	191	204	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1064	681	186	196	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
			1117	719	207	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			

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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
			873	550	174	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
			771	495	140	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
			806	517	152	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	154	Total	C	N	O	S	0	0	0
			1240	795	222	220	3			
21	2Z	160	Total	C	N	O	S	0	0	0
			1271	814	228	227	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	76	Total	C	N	O	S	0	0	0
			604	373	128	102	1			
22	20	76	Total	C	N	O	S	0	0	0
			604	373	128	102	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
			755	475	148	131	1			
23	21	97	Total	C	N	O	S	0	0	0
			755	475	148	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
			588	365	118	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
			552	349	99	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			532	339	97	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
			455	285	89	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	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- 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
			1846	1179	331	331	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
			1548	973	301	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
			1655	1038	326	284	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	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
			1129	714	213	198	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
			810	514	144	149	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
			1231	766	243	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	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
			1088	689	206	191	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
			983	623	193	167			
40	2i	127	Total	C	N	O	0	0	0
			978	619	190	169			

- 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
			709	440	138	131			
41	2j	96	Total	C	N	O	0	0	0
			714	445	138	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
			829	516	155	155	3			

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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	118	Total	C	N	O	S	0	0	0
			919	566	190	161	2			
44	2m	116	Total	C	N	O	S	0	0	0
			907	558	188	159	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
			652	417	120	113	2			
50	2s	83	Total	C	N	O	S	0	0	0
			646	412	119	113	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
			728	446	156	124	2			
51	2t	96	Total	C	N	O	S	0	0	0
			727	446	155	124	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 CYS-Stop mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1v	13	Total	C	N	O	P	0	0	0
			277	125	51	88	13			
53	2v	13	Total	C	N	O	P	0	0	0
			277	125	51	88	13			

- Molecule 54 is a protein called Peptide chain release factor 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1w	249	Total	C	N	O	S	0	0	0
			1939	1199	360	371	9			
54	2w	253	Total	C	N	O	S	0	0	0
			1957	1210	361	377	9			

- Molecule 55 is a RNA chain called P-site deacylated-tRNAcys.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	74	Total	C	N	O	P	S	0	0	0
			1577	704	280	518	74	1			
55	2x	74	Total	C	N	O	P	S	0	0	0
			1577	704	280	518	74	1			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1083	Total	Mg	0	0
			1083	1083		
56	1B	37	Total	Mg	0	0
			37	37		
56	1D	14	Total	Mg	0	0
			14	14		
56	1E	17	Total	Mg	0	0
			17	17		
56	1F	14	Total	Mg	0	0
			14	14		
56	1G	4	Total	Mg	0	0
			4	4		
56	1I	1	Total	Mg	0	0
			1	1		
56	1N	8	Total	Mg	0	0
			8	8		
56	1O	5	Total	Mg	0	0
			5	5		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1P	6	Total Mg 6 6	0	0
56	1Q	7	Total Mg 7 7	0	0
56	1R	4	Total Mg 4 4	0	0
56	1S	3	Total Mg 3 3	0	0
56	1T	3	Total Mg 3 3	0	0
56	1U	10	Total Mg 10 10	0	0
56	1V	6	Total Mg 6 6	0	0
56	1W	7	Total Mg 7 7	0	0
56	1X	6	Total Mg 6 6	0	0
56	1Y	3	Total Mg 3 3	0	0
56	1Z	2	Total Mg 2 2	0	0
56	10	6	Total Mg 6 6	0	0
56	11	4	Total Mg 4 4	0	0
56	12	3	Total Mg 3 3	0	0
56	13	6	Total Mg 6 6	0	0
56	14	1	Total Mg 1 1	0	0
56	15	8	Total Mg 8 8	0	0
56	16	2	Total Mg 2 2	0	0
56	17	7	Total Mg 7 7	0	0
56	18	4	Total Mg 4 4	0	0
56	1a	224	Total Mg 224 224	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1b	2	Total Mg 2 2	0	0
56	1d	1	Total Mg 1 1	0	0
56	1e	4	Total Mg 4 4	0	0
56	1f	2	Total Mg 2 2	0	0
56	1k	1	Total Mg 1 1	0	0
56	1l	2	Total Mg 2 2	0	0
56	1m	1	Total Mg 1 1	0	0
56	1n	1	Total Mg 1 1	0	0
56	1p	1	Total Mg 1 1	0	0
56	1t	1	Total Mg 1 1	0	0
56	1v	4	Total Mg 4 4	0	0
56	1w	1	Total Mg 1 1	0	0
56	1x	13	Total Mg 13 13	0	0
56	2A	870	Total Mg 870 870	0	0
56	2B	20	Total Mg 20 20	0	0
56	2D	6	Total Mg 6 6	0	0
56	2E	7	Total Mg 7 7	0	0
56	2F	6	Total Mg 6 6	0	0
56	2G	1	Total Mg 1 1	0	0
56	2N	1	Total Mg 1 1	0	0
56	2O	2	Total Mg 2 2	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2P	1	Total Mg 1 1	0	0
56	2Q	4	Total Mg 4 4	0	0
56	2R	3	Total Mg 3 3	0	0
56	2T	3	Total Mg 3 3	0	0
56	2U	2	Total Mg 2 2	0	0
56	2V	2	Total Mg 2 2	0	0
56	2W	4	Total Mg 4 4	0	0
56	2X	2	Total Mg 2 2	0	0
56	2Z	1	Total Mg 1 1	0	0
56	20	1	Total Mg 1 1	0	0
56	21	1	Total Mg 1 1	0	0
56	23	3	Total Mg 3 3	0	0
56	25	5	Total Mg 5 5	0	0
56	26	1	Total Mg 1 1	0	0
56	27	1	Total Mg 1 1	0	0
56	28	3	Total Mg 3 3	0	0
56	2a	176	Total Mg 176 176	0	0
56	2d	2	Total Mg 2 2	0	0
56	2e	1	Total Mg 1 1	0	0
56	2f	1	Total Mg 1 1	0	0
56	2g	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2j	2	Total Mg 2 2	0	0
56	2l	2	Total Mg 2 2	0	0
56	2q	2	Total Mg 2 2	0	0
56	2r	2	Total Mg 2 2	0	0
56	2t	1	Total Mg 1 1	0	0
56	2v	2	Total Mg 2 2	0	0
56	2x	6	Total Mg 6 6	0	0

- Molecule 57 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1A	1	Total K 1 1	0	0

- Molecule 58 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1Y	1	Total Zn 1 1	0	0
58	14	1	Total Zn 1 1	0	0
58	15	1	Total Zn 1 1	0	0
58	16	1	Total Zn 1 1	0	0
58	19	1	Total Zn 1 1	0	0
58	1n	1	Total Zn 1 1	0	0
58	2Y	1	Total Zn 1 1	0	0
58	24	1	Total Zn 1 1	0	0
58	25	1	Total Zn 1 1	0	0

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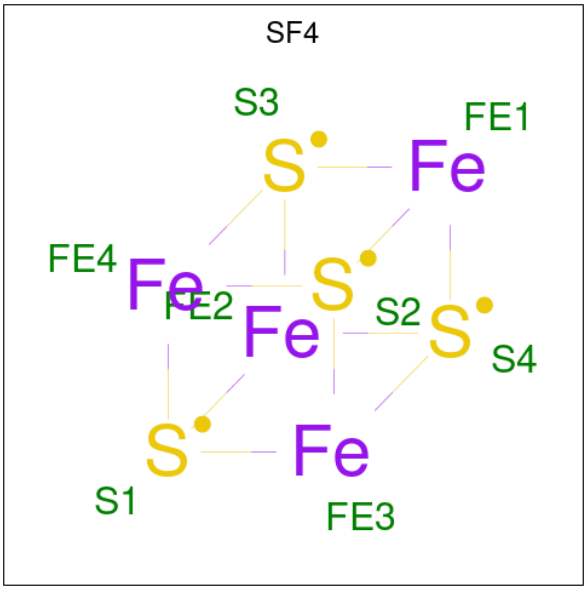
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	26	1	Total Zn 1 1	0	0
58	29	1	Total Zn 1 1	0	0
58	2n	1	Total Zn 1 1	0	0

- Molecule 59 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1d	1	Total Fe S 8 4 4	0	0
59	2d	1	Total Fe S 8 4 4	0	0

- Molecule 60 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1A	1841	Total O 1841 1841	0	0
60	1B	66	Total O 66 66	0	0
60	1D	24	Total O 24 24	0	0
60	1E	27	Total O 27 27	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1F	16	Total O 16 16	0	0
60	1G	3	Total O 3 3	0	0
60	1H	2	Total O 2 2	0	0
60	1N	5	Total O 5 5	0	0
60	1O	5	Total O 5 5	0	0
60	1P	20	Total O 20 20	0	0
60	1Q	5	Total O 5 5	0	0
60	1R	15	Total O 15 15	0	0
60	1S	4	Total O 4 4	0	0
60	1T	5	Total O 5 5	0	0
60	1U	15	Total O 15 15	0	0
60	1V	7	Total O 7 7	0	0
60	1W	12	Total O 12 12	0	0
60	1X	7	Total O 7 7	0	0
60	1Y	1	Total O 1 1	0	0
60	1Z	1	Total O 1 1	0	0
60	10	10	Total O 10 10	0	0
60	11	9	Total O 9 9	0	0
60	12	4	Total O 4 4	0	0
60	13	5	Total O 5 5	0	0
60	15	5	Total O 5 5	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	16	1	Total O 1 1	0	0
60	17	8	Total O 8 8	0	0
60	18	13	Total O 13 13	0	0
60	1a	274	Total O 274 274	0	0
60	1b	1	Total O 1 1	0	0
60	1g	1	Total O 1 1	0	0
60	1l	2	Total O 2 2	0	0
60	1n	1	Total O 1 1	0	0
60	1o	1	Total O 1 1	0	0
60	1q	1	Total O 1 1	0	0
60	1u	1	Total O 1 1	0	0
60	1v	3	Total O 3 3	0	0
60	1w	2	Total O 2 2	0	0
60	1x	15	Total O 15 15	0	0
60	2A	1163	Total O 1163 1163	0	0
60	2B	25	Total O 25 25	0	0
60	2D	22	Total O 22 22	0	0
60	2E	15	Total O 15 15	0	0
60	2F	11	Total O 11 11	0	0
60	2I	1	Total O 1 1	0	0
60	2N	1	Total O 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	2O	2	Total O 2 2	0	0
60	2P	11	Total O 11 11	0	0
60	2Q	1	Total O 1 1	0	0
60	2R	5	Total O 5 5	0	0
60	2T	5	Total O 5 5	0	0
60	2U	2	Total O 2 2	0	0
60	2V	2	Total O 2 2	0	0
60	2W	4	Total O 4 4	0	0
60	2X	3	Total O 3 3	0	0
60	2Z	1	Total O 1 1	0	0
60	20	5	Total O 5 5	0	0
60	21	10	Total O 10 10	0	0
60	23	2	Total O 2 2	0	0
60	25	2	Total O 2 2	0	0
60	27	6	Total O 6 6	0	0
60	28	3	Total O 3 3	0	0
60	29	1	Total O 1 1	0	0
60	2a	138	Total O 138 138	0	0
60	2d	1	Total O 1 1	0	0
60	2e	1	Total O 1 1	0	0
60	2g	1	Total O 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	2j	3	Total O 3 3	0	0
60	2l	3	Total O 3 3	0	0
60	2q	1	Total O 1 1	0	0
60	2t	2	Total O 2 2	0	0
60	2v	1	Total O 1 1	0	0
60	2w	3	Total O 3 3	0	0
60	2x	8	Total O 8 8	0	0

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

3 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	210.05Å 450.80Å 622.10Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	188.39 – 2.60 188.39 – 2.60	Depositor EDS
% Data completeness (in resolution range)	99.8 (188.39-2.60) 99.8 (188.39-2.60)	Depositor EDS
R_{merge}	0.22	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.21 (at 2.62Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.224 , 0.271 0.224 , 0.270	Depositor DCC
R_{free} test set	89613 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å^2)	56.5	Xtriage
Anisotropy	0.114	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.32 , 63.9	EDS
L-test for twinning[2]	$< \|L\| > = 0.37$, $< L^2 > = 0.19$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.91	EDS
Total number of atoms	296938	wwPDB-VP
Average B, all atoms (Å^2)	59.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.65% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

4 Model quality

4.1 Standard geometry

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

4.2 Too-close contacts

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

4.3 Torsion angles

4.3.1 Protein backbone

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

4.3.2 Protein sidechains

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

4.3.3 RNA

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

4.4 Non-standard residues in protein, DNA, RNA chains

66 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	$\#\|Z\| > 2$
1	5MU	2A	1915	1	19,22,23	1.53	6 (31%)	27,32,35	2.13	6 (22%)
1	PSU	1A	1917	1	18,21,22	1.41	3 (16%)	21,30,33	2.13	4 (19%)
1	OMC	2A	1920	1	19,22,23	0.80	0	25,31,34	0.95	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
55	MIA	2x	37	55	17,24,32	0.99	1 (5%)	16,35,47	1.46	2 (12%)
55	PSU	2x	55	55	18,21,22	1.37	2 (11%)	21,30,33	2.01	4 (19%)
32	PSU	2a	516	32	18,21,22	1.36	3 (16%)	21,30,33	1.96	5 (23%)
1	5MC	2A	1962	1,56	19,22,23	1.62	3 (15%)	26,32,35	1.08	2 (7%)
1	5MC	1A	1942	1,56	19,22,23	1.55	2 (10%)	26,32,35	1.20	4 (15%)
32	UR3	1a	1498	32	19,22,23	1.04	1 (5%)	26,32,35	1.67	4 (15%)
55	H2U	1x	21	55	18,21,22	0.87	2 (11%)	19,30,33	0.91	0
32	5MC	2a	1407	32,56	19,22,23	1.70	3 (15%)	26,32,35	1.25	3 (11%)
55	PSU	2x	39	55	18,21,22	1.40	2 (11%)	21,30,33	1.82	4 (19%)
1	OMG	1A	2251	1,56,55	19,26,27	1.03	1 (5%)	21,38,41	1.05	2 (9%)
55	5MU	1x	54	55	19,22,23	1.45	4 (21%)	27,32,35	1.91	6 (22%)
55	4SU	2x	8	55	18,21,22	1.78	4 (22%)	25,30,33	1.95	5 (20%)
1	5MC	2A	1942	1,56	19,22,23	1.72	3 (15%)	26,32,35	1.13	2 (7%)
32	MA6	1a	1518	32	19,26,27	1.03	2 (10%)	18,38,41	1.93	3 (16%)
32	M2G	1a	966	32	20,27,28	1.44	3 (15%)	19,40,43	0.96	1 (5%)
1	2MA	2A	2503	1,56	18,25,26	0.72	0	20,37,40	1.85	3 (15%)
55	H2U	2x	21	55	18,21,22	0.87	2 (11%)	19,30,33	0.77	0
54	MEQ	1w	230	54	8,9,10	0.60	0	5,10,12	1.27	1 (20%)
55	H2U	1x	20	55	18,21,22	0.90	1 (5%)	19,30,33	1.11	1 (5%)
55	PSU	2x	32	55	18,21,22	1.35	2 (11%)	21,30,33	2.00	3 (14%)
32	2MG	1a	1207	32	18,26,27	0.90	1 (5%)	16,38,41	1.31	3 (18%)
32	5MC	1a	967	32	19,22,23	1.47	2 (10%)	26,32,35	1.06	2 (7%)
32	5MC	1a	1400	32	19,22,23	1.71	3 (15%)	26,32,35	1.18	3 (11%)
32	UR3	2a	1498	32	19,22,23	1.00	1 (5%)	26,32,35	1.79	3 (11%)
54	MEQ	2w	230	54	8,9,10	0.62	0	5,10,12	0.54	0
55	4SU	1x	8	55	18,21,22	1.84	4 (22%)	25,30,33	1.89	4 (16%)
55	PSU	1x	55	55	18,21,22	1.31	2 (11%)	21,30,33	1.97	3 (14%)
1	PSU	2A	2605	1	18,21,22	1.35	3 (16%)	21,30,33	2.11	5 (23%)
32	5MC	2a	967	32,56	19,22,23	1.68	3 (15%)	26,32,35	1.11	2 (7%)
1	PSU	2A	1911	1	18,21,22	1.36	3 (16%)	21,30,33	2.00	4 (19%)
32	MA6	2a	1518	32	19,26,27	1.03	2 (10%)	18,38,41	1.88	3 (16%)
32	M2G	2a	966	32	20,27,28	1.42	3 (15%)	19,40,43	1.01	2 (10%)
1	5MU	1A	1939	1	19,22,23	1.47	4 (21%)	27,32,35	2.16	6 (22%)
32	G7M	1a	527	32,56	20,26,27	1.18	2 (10%)	16,39,42	0.60	0
32	5MC	2a	1404	32	19,22,23	1.64	3 (15%)	26,32,35	1.19	2 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
43	0TD	2l	92	43	8,9,10	4.69	2 (25%)	6,11,13	4.03	2 (33%)
32	5MC	1a	1407	32	19,22,23	1.72	3 (15%)	26,32,35	1.17	4 (15%)
1	PSU	1A	1911	1	18,21,22	1.39	3 (16%)	21,30,33	1.95	4 (19%)
43	0TD	1l	92	43	8,9,10	4.63	2 (25%)	6,11,13	8.09	2 (33%)
55	H2U	2x	20	55	18,21,22	0.87	2 (11%)	19,30,33	1.01	1 (5%)
32	2MG	2a	1207	32	18,26,27	0.95	1 (5%)	16,38,41	0.99	1 (6%)
55	PSU	1x	32	55	18,21,22	1.31	2 (11%)	21,30,33	1.94	3 (14%)
1	OMC	1A	1920	1	19,22,23	0.84	0	25,31,34	0.94	0
1	5MU	1A	1915	1	19,22,23	1.40	6 (31%)	27,32,35	2.06	7 (25%)
32	5MC	2a	1400	32	19,22,23	1.69	3 (15%)	26,32,35	1.23	2 (7%)
55	5MU	2x	54	55	19,22,23	1.39	4 (21%)	27,32,35	2.06	6 (22%)
32	G7M	2a	527	32	20,26,27	1.21	2 (10%)	16,39,42	0.57	0
1	OMU	2A	2552	1,56	19,22,23	1.18	3 (15%)	25,31,34	1.81	5 (20%)
55	PSU	1x	39	55	18,21,22	1.45	2 (11%)	21,30,33	1.74	3 (14%)
1	5MC	1A	1962	1,56	19,22,23	1.73	3 (15%)	26,32,35	1.16	3 (11%)
1	5MU	2A	1939	1,56	19,22,23	1.47	5 (26%)	27,32,35	2.24	7 (25%)
32	4OC	1a	1402	32,56	20,23,24	0.76	0	25,32,35	1.04	2 (8%)
1	OMU	1A	2552	1,56	19,22,23	1.29	4 (21%)	25,31,34	1.92	5 (20%)
32	MA6	1a	1519	32	19,26,27	1.03	2 (10%)	18,38,41	1.90	3 (16%)
32	PSU	1a	516	32,56	18,21,22	1.37	2 (11%)	21,30,33	2.07	4 (19%)
32	5MC	1a	1404	32	19,22,23	1.77	3 (15%)	26,32,35	1.24	4 (15%)
1	2MA	1A	2503	1,56	18,25,26	0.68	0	20,37,40	2.09	5 (25%)
1	PSU	2A	1917	1,56	18,21,22	1.38	2 (11%)	21,30,33	2.06	4 (19%)
1	PSU	1A	2605	1,56	18,21,22	1.46	4 (22%)	21,30,33	2.17	4 (19%)
55	MIA	1x	37	55	17,24,32	0.99	1 (5%)	16,35,47	1.39	2 (12%)
1	OMG	2A	2251	1,56,55	19,26,27	0.95	1 (5%)	21,38,41	1.07	3 (14%)
32	4OC	2a	1402	32,56	20,23,24	0.79	0	25,32,35	1.02	3 (12%)
32	MA6	2a	1519	32	19,26,27	1.02	2 (10%)	18,38,41	2.05	3 (16%)

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
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
55	MIA	2x	37	55	-	2/3/25/34	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,56	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	1,56	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
55	H2U	1x	21	55	-	5/7/38/39	0/2/2/2
32	5MC	2a	1407	32,56	-	0/7/25/26	0/2/2/2
55	PSU	2x	39	55	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	1,56,55	-	0/5/27/28	0/3/3/3
55	5MU	1x	54	55	-	2/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1,56	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
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
55	H2U	2x	21	55	-	5/7/38/39	0/2/2/2
54	MEQ	1w	230	54	-	5/8/9/11	-
55	H2U	1x	20	55	-	2/7/38/39	0/2/2/2
55	PSU	2x	32	55	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	1/5/27/28	0/3/3/3
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
54	MEQ	2w	230	54	-	7/8/9/11	-
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32,56	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
1	5MU	1A	1939	1	-	0/7/25/26	0/2/2/2
32	G7M	1a	527	32,56	-	2/3/25/26	0/3/3/3
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
43	0TD	1l	92	43	-	2/7/12/14	-
55	H2U	2x	20	55	-	2/7/38/39	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
55	PSU	1x	32	55	-	0/7/25/26	0/2/2/2
1	OMC	1A	1920	1	-	0/9/27/28	0/2/2/2
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	G7M	2a	527	32	-	0/3/25/26	0/3/3/3
1	OMU	2A	2552	1,56	-	0/9/27/28	0/2/2/2
55	PSU	1x	39	55	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	1,56	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1,56	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32,56	-	2/9/29/30	0/2/2/2
1	OMU	1A	2552	1,56	-	0/9/27/28	0/2/2/2
32	MA6	1a	1519	32	-	2/7/29/30	0/3/3/3
32	PSU	1a	516	32,56	-	1/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	1,56	-	1/3/25/26	0/3/3/3
1	PSU	2A	1917	1,56	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	1,56	-	0/7/25/26	0/2/2/2
55	MIA	1x	37	55	-	1/3/25/34	0/3/3/3
1	OMG	2A	2251	1,56,55	-	0/5/27/28	0/3/3/3
32	4OC	2a	1402	32,56	-	2/9/29/30	0/2/2/2
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3

All (150) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.57	1.69	1.82
43	1l	92	0TD	CB-SB	-12.53	1.69	1.82
32	1a	1404	5MC	C5-C4	6.55	1.49	1.44
32	1a	1407	5MC	C5-C4	6.39	1.49	1.44
1	2A	1942	5MC	C5-C4	6.28	1.48	1.44
1	1A	1962	5MC	C5-C4	6.27	1.48	1.44
32	2a	967	5MC	C5-C4	6.24	1.48	1.44
32	1a	1400	5MC	C5-C4	6.19	1.48	1.44
32	2a	1400	5MC	C5-C4	6.16	1.48	1.44
32	2a	1407	5MC	C5-C4	6.10	1.48	1.44
32	2a	1404	5MC	C5-C4	5.92	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	1962	5MC	C5-C4	5.74	1.48	1.44
1	1A	1942	5MC	C5-C4	5.35	1.48	1.44
32	1a	967	5MC	C5-C4	5.12	1.48	1.44
55	1x	8	4SU	C4-S4	-4.83	1.60	1.68
55	2x	8	4SU	C4-S4	-4.65	1.60	1.68
32	2a	966	M2G	C2-N3	4.41	1.36	1.30
32	1a	966	M2G	C2-N3	4.38	1.36	1.30
55	2x	39	PSU	C6-C5	3.93	1.39	1.35
55	1x	39	PSU	C6-C5	3.88	1.39	1.35
55	2x	55	PSU	C6-C5	3.87	1.39	1.35
32	1a	527	G7M	C5-C4	3.63	1.46	1.39
32	2a	527	G7M	C5-C4	3.61	1.46	1.39
1	1A	1911	PSU	C6-C5	3.60	1.39	1.35
55	1x	55	PSU	C6-C5	3.58	1.39	1.35
55	2x	32	PSU	C6-C5	3.55	1.39	1.35
55	1x	8	4SU	C4-N3	-3.54	1.34	1.37
32	1a	516	PSU	C6-C5	3.50	1.39	1.35
32	2a	516	PSU	C6-C5	3.48	1.39	1.35
1	2A	1917	PSU	C6-C5	3.33	1.39	1.35
1	1A	1917	PSU	C6-C5	3.29	1.38	1.35
32	1a	966	M2G	C2-N2	3.20	1.41	1.35
1	2A	2605	PSU	C6-C5	3.16	1.38	1.35
55	1x	54	5MU	C6-C5	3.14	1.39	1.34
1	1A	2251	OMG	C6-N1	-3.13	1.33	1.37
55	1x	32	PSU	C6-C5	3.12	1.38	1.35
43	2l	92	0TD	CB-CA	-3.09	1.53	1.54
1	1A	2605	PSU	C4-N3	-3.07	1.33	1.38
1	1A	1942	5MC	C6-C5	3.06	1.39	1.34
1	2A	1911	PSU	C6-C5	3.00	1.38	1.35
1	2A	1915	5MU	C6-C5	2.99	1.39	1.34
1	1A	1939	5MU	C4-N3	-2.97	1.33	1.38
32	1a	1400	5MC	C6-C5	2.96	1.39	1.34
55	2x	8	4SU	C4-N3	-2.95	1.34	1.37
1	1A	1915	5MU	C4-N3	-2.93	1.33	1.38
1	1A	1939	5MU	C6-C5	2.91	1.39	1.34
1	2A	1939	5MU	C4-C5	2.90	1.49	1.44
55	2x	54	5MU	C6-C5	2.90	1.39	1.34
1	2A	1962	5MC	C6-C5	2.88	1.39	1.34
32	2a	1400	5MC	C6-C5	2.87	1.39	1.34
1	1A	1962	5MC	C6-C5	2.86	1.39	1.34
1	2A	1915	5MU	C2-N1	2.86	1.42	1.38
32	1a	967	5MC	C6-C5	2.85	1.39	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
55	1x	39	PSU	C4-N3	-2.82	1.33	1.38
1	1A	1917	PSU	C4-N3	-2.79	1.33	1.38
32	1a	1404	5MC	C6-C5	2.75	1.39	1.34
1	2A	2251	OMG	C6-N1	-2.74	1.33	1.37
32	2a	1407	5MC	C6-C5	2.74	1.39	1.34
32	2a	966	M2G	C2-N2	2.73	1.40	1.35
55	1x	8	4SU	C5-C4	-2.73	1.39	1.42
1	2A	2605	PSU	C4-N3	-2.72	1.33	1.38
1	2A	1939	5MU	C4-N3	-2.72	1.33	1.38
1	2A	1911	PSU	C4-N3	-2.72	1.33	1.38
1	2A	1942	5MC	C6-C5	2.71	1.39	1.34
1	1A	1911	PSU	C4-N3	-2.71	1.33	1.38
55	2x	37	MIA	C2-N3	2.70	1.36	1.32
55	2x	8	4SU	C5-C4	-2.70	1.39	1.42
55	1x	37	MIA	C2-N3	2.70	1.36	1.32
32	2a	1404	5MC	C6-C5	2.70	1.39	1.34
1	1A	2605	PSU	C6-C5	2.69	1.38	1.35
1	2A	1915	5MU	C4-N3	-2.69	1.33	1.38
1	2A	1915	5MU	C4-C5	2.67	1.49	1.44
1	1A	2552	OMU	C4-N3	-2.63	1.34	1.38
1	1A	1939	5MU	C6-N1	-2.63	1.33	1.38
32	1a	516	PSU	C4-N3	-2.62	1.33	1.38
55	2x	8	4SU	C2-N1	2.60	1.42	1.38
55	1x	54	5MU	C4-N3	-2.58	1.34	1.38
32	2a	967	5MC	C6-C5	2.57	1.38	1.34
55	2x	39	PSU	C4-N3	-2.57	1.34	1.38
55	2x	32	PSU	C4-N3	-2.56	1.34	1.38
1	2A	2552	OMU	C4-N3	-2.56	1.34	1.38
55	2x	54	5MU	C4-C5	2.54	1.49	1.44
1	2A	1917	PSU	C4-N3	-2.54	1.34	1.38
1	2A	1939	5MU	C6-C5	2.54	1.38	1.34
1	1A	2552	OMU	C2-N3	-2.52	1.33	1.38
32	2a	1404	5MC	C6-N1	-2.48	1.33	1.38
32	2a	516	PSU	C4-N3	-2.47	1.34	1.38
32	1a	1518	MA6	C6-C5	-2.45	1.41	1.44
55	2x	55	PSU	C4-N3	-2.43	1.34	1.38
55	2x	20	H2U	C4-N3	-2.42	1.33	1.37
1	2A	1939	5MU	C2-N3	-2.42	1.33	1.38
32	1a	1404	5MC	C6-N1	-2.42	1.33	1.38
1	2A	1939	5MU	C6-N1	-2.41	1.33	1.38
1	1A	2552	OMU	C2-N1	2.41	1.42	1.38
32	1a	1519	MA6	C6-C5	-2.41	1.41	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
32	2a	1518	MA6	C6-C5	-2.41	1.41	1.44
1	1A	1915	5MU	C6-C5	2.41	1.38	1.34
32	2a	1207	2MG	C6-N1	-2.40	1.34	1.37
32	1a	1207	2MG	C6-N1	-2.39	1.34	1.37
32	1a	1498	UR3	C2-N1	2.39	1.41	1.38
1	1A	1962	5MC	C6-N1	-2.39	1.33	1.38
55	1x	21	H2U	C4-N3	-2.38	1.33	1.37
32	2a	966	M2G	C6-N1	-2.38	1.34	1.37
1	2A	1962	5MC	C6-N1	-2.37	1.34	1.38
55	1x	54	5MU	C2-N1	2.37	1.42	1.38
55	1x	54	5MU	C4-C5	2.37	1.48	1.44
1	1A	2605	PSU	C2-N3	-2.36	1.33	1.37
55	1x	55	PSU	C4-N3	-2.36	1.34	1.38
55	2x	54	5MU	C4-N3	-2.35	1.34	1.38
55	1x	32	PSU	C4-N3	-2.35	1.34	1.38
32	1a	1407	5MC	C6-C5	2.34	1.38	1.34
32	2a	527	G7M	C6-N1	-2.34	1.34	1.37
32	2a	1407	5MC	C6-N1	-2.34	1.34	1.38
1	1A	2605	PSU	C2-N1	-2.34	1.33	1.36
32	1a	1400	5MC	C6-N1	-2.34	1.34	1.38
55	2x	20	H2U	C2-N3	-2.34	1.33	1.38
55	2x	21	H2U	C2-N3	-2.33	1.33	1.38
55	1x	20	H2U	C2-N3	-2.32	1.33	1.38
32	1a	1407	5MC	C6-N1	-2.29	1.34	1.38
55	1x	21	H2U	C2-N3	-2.28	1.34	1.38
1	1A	1915	5MU	C2-N1	2.28	1.42	1.38
32	2a	1400	5MC	C6-N1	-2.28	1.34	1.38
1	1A	1917	PSU	C2-N3	-2.27	1.33	1.37
1	2A	1942	5MC	C6-N1	-2.26	1.34	1.38
32	2a	1519	MA6	C6-C5	-2.26	1.41	1.44
55	2x	54	5MU	C2-N1	2.23	1.42	1.38
1	1A	1939	5MU	C2-N3	-2.22	1.34	1.38
32	1a	527	G7M	C6-N1	-2.21	1.34	1.37
32	2a	967	5MC	C6-N1	-2.20	1.34	1.38
55	1x	8	4SU	C2-N3	-2.19	1.34	1.38
1	1A	1915	5MU	C6-N1	-2.17	1.34	1.38
1	1A	2552	OMU	C5-C4	-2.15	1.39	1.43
55	2x	21	H2U	C4-N3	-2.14	1.34	1.37
32	1a	966	M2G	C6-N1	-2.11	1.34	1.37
1	2A	1915	5MU	C6-N1	-2.08	1.34	1.38
32	2a	516	PSU	O4'-C1'	-2.08	1.41	1.43
1	1A	1915	5MU	C4-C5	2.08	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	1915	5MU	C2-N3	-2.08	1.34	1.38
1	2A	2552	OMU	C2-N3	-2.08	1.34	1.38
32	2a	1519	MA6	C6-N1	2.07	1.35	1.32
1	1A	1911	PSU	C2-N3	-2.07	1.34	1.37
1	2A	1915	5MU	C2-N3	-2.06	1.34	1.38
32	2a	1518	MA6	C6-N1	2.06	1.35	1.32
32	2a	1498	UR3	C2-N1	2.05	1.41	1.38
32	1a	1518	MA6	C6-N1	2.04	1.35	1.32
32	1a	1519	MA6	C6-N1	2.03	1.35	1.32
1	2A	2552	OMU	C5-C4	-2.03	1.39	1.43
1	2A	1911	PSU	C2-N3	-2.03	1.34	1.37
1	2A	2605	PSU	C2-N3	-2.03	1.34	1.37
43	1l	92	0TD	CB-CG	2.02	1.55	1.52

All (199) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
43	1l	92	0TD	CSB-SB-CB	-19.43	67.44	102.36
43	2l	92	0TD	CSB-SB-CB	-9.09	86.02	102.36
32	2a	1498	UR3	C4-N3-C2	-7.32	118.69	124.58
1	1A	2503	2MA	C2-N3-C4	7.27	121.33	115.46
1	1A	2605	PSU	N1-C2-N3	6.87	122.41	115.17
1	1A	1917	PSU	N1-C2-N3	6.68	122.22	115.17
1	2A	2605	PSU	N1-C2-N3	6.53	122.05	115.17
32	1a	516	PSU	N1-C2-N3	6.48	122.00	115.17
1	2A	2503	2MA	C2-N3-C4	6.48	120.69	115.46
1	2A	1917	PSU	N1-C2-N3	6.38	121.90	115.17
32	1a	1498	UR3	C4-N3-C2	-6.36	119.47	124.58
55	2x	55	PSU	N1-C2-N3	6.21	121.72	115.17
1	2A	1911	PSU	N1-C2-N3	6.12	121.62	115.17
55	2x	32	PSU	N1-C2-N3	6.07	121.57	115.17
1	1A	1911	PSU	N1-C2-N3	6.02	121.52	115.17
55	1x	55	PSU	N1-C2-N3	6.01	121.51	115.17
55	1x	32	PSU	N1-C2-N3	5.82	121.31	115.17
32	2a	516	PSU	N1-C2-N3	5.73	121.22	115.17
32	1a	1518	MA6	N3-C2-N1	-5.67	120.97	128.67
1	2A	1939	5MU	C4-N3-C2	-5.66	119.92	127.34
55	1x	39	PSU	N1-C2-N3	5.64	121.11	115.17
55	1x	8	4SU	C5-C4-N3	5.60	119.96	114.75
32	2a	1519	MA6	N3-C2-N1	-5.60	121.08	128.67
55	2x	39	PSU	N1-C2-N3	5.59	121.06	115.17
1	2A	1915	5MU	N3-C2-N1	5.47	122.01	114.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
55	2x	54	5MU	N3-C2-N1	5.45	121.98	114.89
1	2A	1939	5MU	N3-C2-N1	5.40	121.92	114.89
32	2a	1518	MA6	N3-C2-N1	-5.38	121.37	128.67
1	1A	2552	OMU	C4-N3-C2	-5.23	120.12	126.61
55	1x	8	4SU	C4-N3-C2	-5.22	122.31	127.31
1	2A	1915	5MU	C4-N3-C2	-5.21	120.51	127.34
55	2x	8	4SU	C4-N3-C2	-5.19	122.34	127.31
32	1a	1519	MA6	N3-C2-N1	-5.19	121.63	128.67
1	1A	1939	5MU	C4-N3-C2	-5.12	120.62	127.34
55	2x	8	4SU	C5-C4-N3	5.08	119.48	114.75
55	2x	54	5MU	C4-N3-C2	-5.05	120.72	127.34
1	1A	1915	5MU	N3-C2-N1	5.00	121.40	114.89
1	1A	1915	5MU	C4-N3-C2	-4.97	120.82	127.34
1	1A	1939	5MU	C5-C4-N3	4.84	119.53	115.32
32	1a	1518	MA6	C2-N1-C6	4.81	121.56	116.84
1	2A	2552	OMU	C4-N3-C2	-4.78	120.68	126.61
1	2A	1939	5MU	C5-C6-N1	-4.75	118.16	123.31
1	1A	1939	5MU	O4-C4-C5	-4.73	119.50	124.92
55	1x	54	5MU	N3-C2-N1	4.73	121.04	114.89
32	1a	1519	MA6	C2-N1-C6	4.69	121.44	116.84
32	2a	1519	MA6	C2-N1-C6	4.67	121.42	116.84
32	2a	1518	MA6	C2-N1-C6	4.57	121.32	116.84
1	1A	1939	5MU	N3-C2-N1	4.56	120.83	114.89
1	1A	1915	5MU	C5-C4-N3	4.53	119.26	115.32
55	1x	54	5MU	C4-N3-C2	-4.45	121.50	127.34
1	2A	2605	PSU	C4-N3-C2	-4.41	120.30	126.37
1	2A	1939	5MU	C5-C4-N3	4.36	119.11	115.32
1	1A	1917	PSU	C4-N3-C2	-4.36	120.37	126.37
1	1A	2605	PSU	C4-N3-C2	-4.33	120.40	126.37
1	2A	2552	OMU	N3-C2-N1	4.33	120.53	114.89
1	2A	1915	5MU	C5-C4-N3	4.31	119.07	115.32
32	1a	516	PSU	C4-N3-C2	-4.28	120.47	126.37
1	2A	1911	PSU	C4-N3-C2	-4.26	120.50	126.37
1	1A	1939	5MU	C5-C6-N1	-4.26	118.68	123.31
1	2A	1917	PSU	C4-N3-C2	-4.23	120.54	126.37
55	2x	55	PSU	C4-N3-C2	-4.21	120.57	126.37
1	1A	2552	OMU	N3-C2-N1	4.21	120.37	114.89
32	2a	1400	5MC	C5-C6-N1	-4.20	118.75	123.31
1	1A	1911	PSU	C4-N3-C2	-4.11	120.70	126.37
1	1A	2552	OMU	C5-C4-N3	4.10	120.54	114.80
55	2x	32	PSU	C4-N3-C2	-4.07	120.76	126.37
1	1A	2605	PSU	O2-C2-N1	-3.99	118.67	122.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
55	1x	54	5MU	C5-C4-N3	3.98	118.78	115.32
55	1x	54	5MU	O4-C4-C5	-3.94	120.41	124.92
32	2a	516	PSU	C4-N3-C2	-3.94	120.95	126.37
55	1x	32	PSU	C4-N3-C2	-3.93	120.96	126.37
55	1x	55	PSU	C4-N3-C2	-3.92	120.97	126.37
55	1x	37	MIA	N3-C2-N1	-3.82	123.49	128.67
55	2x	54	5MU	O4-C4-C5	-3.79	120.58	124.92
55	2x	54	5MU	C5-C4-N3	3.77	118.60	115.32
1	2A	1917	PSU	O2-C2-N1	-3.74	118.93	122.79
55	1x	32	PSU	O2-C2-N1	-3.73	118.94	122.79
55	2x	37	MIA	N3-C2-N1	-3.72	123.62	128.67
32	2a	1404	5MC	C5-C6-N1	-3.71	119.28	123.31
1	1A	1915	5MU	O4-C4-C5	-3.68	120.70	124.92
55	2x	32	PSU	O2-C2-N1	-3.68	118.99	122.79
1	1A	1962	5MC	C5-C6-N1	-3.66	119.34	123.31
55	2x	8	4SU	C5-C4-S4	-3.65	120.14	124.31
32	1a	1400	5MC	C5-C6-N1	-3.51	119.50	123.31
1	2A	1915	5MU	O4-C4-C5	-3.50	120.91	124.92
32	2a	1519	MA6	C4-C5-N7	-3.47	105.67	109.34
55	2x	39	PSU	C4-N3-C2	-3.47	121.60	126.37
1	2A	2552	OMU	C5-C4-N3	3.43	119.61	114.80
32	1a	516	PSU	O2-C2-N1	-3.42	119.26	122.79
1	2A	1915	5MU	C5-C6-N1	-3.39	119.63	123.31
1	1A	1917	PSU	O2-C2-N1	-3.39	119.29	122.79
1	1A	1942	5MC	C5-C6-N1	-3.38	119.64	123.31
55	2x	37	MIA	C4-C5-N7	-3.37	105.78	109.34
55	2x	8	4SU	N3-C2-N1	3.36	119.27	114.89
32	2a	516	PSU	O2-C2-N1	-3.36	119.32	122.79
55	1x	55	PSU	O2-C2-N1	-3.29	119.39	122.79
32	2a	967	5MC	C5-C6-N1	-3.27	119.76	123.31
1	2A	2552	OMU	O2-C2-N1	-3.27	118.55	122.80
1	2A	1911	PSU	O2-C2-N1	-3.26	119.43	122.79
32	2a	1498	UR3	C5-C4-N3	3.24	119.30	115.04
1	2A	1939	5MU	O4-C4-C5	-3.21	121.24	124.92
55	1x	8	4SU	C5-C4-S4	-3.21	120.64	124.31
1	1A	2552	OMU	O4-C4-C5	-3.21	119.63	125.16
32	2a	1407	5MC	C5-C4-N3	-3.19	118.48	121.75
32	2a	1407	5MC	C5-C6-N1	-3.14	119.90	123.31
1	2A	1942	5MC	C5-C6-N1	-3.14	119.91	123.31
55	1x	54	5MU	C5-C6-N1	-3.13	119.92	123.31
55	2x	54	5MU	C5-C6-N1	-3.12	119.93	123.31
1	2A	1962	5MC	C5-C6-N1	-3.12	119.93	123.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
55	2x	54	5MU	O2-C2-N1	-3.10	118.76	122.80
55	1x	39	PSU	C4-N3-C2	-3.09	122.11	126.37
32	1a	1498	UR3	C5-C4-N3	3.04	119.04	115.04
55	1x	20	H2U	C5-C6-N1	-3.03	102.35	111.52
32	1a	1404	5MC	C5-C4-N3	-3.02	118.66	121.75
1	2A	2605	PSU	O2-C2-N1	-3.00	119.69	122.79
32	2a	1518	MA6	C4-C5-N7	-2.98	106.19	109.34
43	1l	92	0TD	OD2-CG-CB	2.98	119.58	113.15
55	2x	55	PSU	O2-C2-N1	-2.98	119.72	122.79
1	1A	2251	OMG	C8-N7-C5	2.95	107.58	102.55
43	2l	92	0TD	OD2-CG-CB	2.94	119.49	113.15
55	1x	37	MIA	C4-C5-N7	-2.92	106.25	109.34
1	1A	1915	5MU	C5-C6-N1	-2.91	120.15	123.31
55	2x	39	PSU	O2-C2-N1	-2.89	119.81	122.79
32	1a	1207	2MG	C8-N7-C5	2.89	107.46	102.55
32	1a	1407	5MC	C5-C6-N1	-2.88	120.19	123.31
55	1x	8	4SU	N3-C2-N1	2.87	118.62	114.89
1	2A	1939	5MU	O2-C2-N1	-2.85	119.08	122.80
32	1a	966	M2G	C8-N7-C5	2.85	107.40	102.55
32	1a	1400	5MC	C5-C4-N3	-2.84	118.84	121.75
32	1a	1404	5MC	C5-C6-N1	-2.84	120.23	123.31
32	1a	1407	5MC	C5-C4-N3	-2.84	118.85	121.75
55	2x	8	4SU	C1'-N1-C2	2.81	122.64	117.59
1	2A	1942	5MC	C5-C4-N3	-2.77	118.91	121.75
32	1a	1402	4OC	C6-C5-C4	2.75	120.31	117.00
1	2A	1962	5MC	C5-C4-N3	-2.73	118.95	121.75
32	2a	966	M2G	C8-N7-C5	2.73	107.20	102.55
1	1A	1942	5MC	C5-C4-N3	-2.71	118.97	121.75
1	2A	2552	OMU	O4-C4-C5	-2.70	120.50	125.16
32	2a	1404	5MC	C5-C4-N3	-2.69	119.00	121.75
1	1A	1939	5MU	O2-C2-N1	-2.68	119.31	122.80
32	2a	1207	2MG	C8-N7-C5	2.68	107.11	102.55
32	1a	1404	5MC	CM5-C5-C6	-2.62	119.30	122.85
32	1a	967	5MC	C5-C6-N1	-2.62	120.47	123.31
32	2a	1400	5MC	C5-C4-N3	-2.59	119.10	121.75
32	1a	1518	MA6	C4-C5-N7	-2.58	106.61	109.34
32	2a	1498	UR3	C3U-N3-C4	2.58	121.45	117.87
1	1A	1911	PSU	O2-C2-N1	-2.58	120.13	122.79
1	1A	1917	PSU	C5-C6-N1	-2.58	118.56	122.14
1	1A	1962	5MC	C5-C4-N3	-2.57	119.12	121.75
32	1a	1519	MA6	C4-C5-N7	-2.57	106.62	109.34
1	1A	2503	2MA	C2-N1-C6	2.54	122.01	118.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	2251	OMG	C8-N7-C5	2.50	106.80	102.55
32	1a	1407	5MC	CM5-C5-C6	-2.47	119.51	122.85
32	1a	967	5MC	C5-C4-N3	-2.46	119.24	121.75
1	1A	2605	PSU	C5-C6-N1	-2.45	118.73	122.14
32	2a	1407	5MC	O2-C2-N3	-2.43	118.50	122.33
32	1a	1404	5MC	O2-C2-N3	-2.41	118.53	122.33
1	2A	2503	2MA	C2-N1-C6	2.40	121.79	118.10
32	2a	516	PSU	O4'-C1'-C2'	2.40	108.47	105.15
54	1w	230	MEQ	CB-CG-CD	-2.39	107.74	113.06
32	1a	1498	UR3	C6-N1-C2	-2.37	119.86	121.80
1	1A	1915	5MU	O2-C2-N1	-2.36	119.73	122.80
1	1A	1911	PSU	C5-C6-N1	-2.35	118.89	122.14
1	2A	2251	OMG	O6-C6-C5	-2.34	119.68	124.32
32	2a	1402	4OC	CM4-N4-C4	-2.33	117.89	122.45
1	1A	2552	OMU	C1'-N1-C2	2.29	121.70	117.59
32	1a	1402	4OC	O2-C2-N3	-2.29	118.73	122.33
1	1A	2251	OMG	C5-C6-N1	2.29	118.43	114.07
32	2a	967	5MC	C5-C4-N3	-2.28	119.42	121.75
55	1x	54	5MU	O2-C2-N1	-2.28	119.83	122.80
1	2A	2605	PSU	C5-C6-N1	-2.27	118.98	122.14
1	2A	2251	OMG	C5-C6-N1	2.27	118.41	114.07
32	2a	1402	4OC	C6-C5-C4	2.27	119.74	117.00
32	1a	1400	5MC	O2-C2-N3	-2.26	118.77	122.33
32	1a	1407	5MC	O2-C2-N3	-2.25	118.79	122.33
32	1a	1207	2MG	CM2-N2-C2	-2.24	118.83	123.65
1	1A	1942	5MC	O2-C2-N3	-2.23	118.81	122.33
1	1A	1915	5MU	C5M-C5-C4	2.23	121.17	118.78
1	1A	1942	5MC	N1-C2-N3	2.21	122.64	118.80
32	1a	1207	2MG	C5-C6-N1	2.18	118.22	114.07
1	2A	1911	PSU	C5-C6-N1	-2.17	119.13	122.14
55	2x	55	PSU	C5-C6-N1	-2.17	119.13	122.14
55	2x	20	H2U	O4-C4-N3	2.15	123.61	120.30
1	1A	2503	2MA	C4-C5-N7	-2.13	107.08	109.34
32	1a	1498	UR3	C1'-N1-C2	2.12	120.51	117.04
1	2A	1917	PSU	C5-C6-N1	-2.11	119.21	122.14
1	1A	2503	2MA	CM2-C2-N1	2.10	120.27	117.13
1	1A	1962	5MC	CM5-C5-C6	-2.09	120.02	122.85
55	1x	39	PSU	O2-C2-N3	-2.09	118.14	121.86
1	2A	1915	5MU	O2-C2-N1	-2.09	120.07	122.80
32	1a	516	PSU	C5-C6-N1	-2.09	119.24	122.14
32	2a	1402	4OC	O2-C2-N3	-2.08	119.05	122.33
32	2a	966	M2G	C5-C6-N1	2.06	118.00	114.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	2a	516	PSU	C5-C6-N1	-2.06	119.28	122.14
1	2A	1939	5MU	C5M-C5-C6	-2.04	120.09	122.85
1	1A	2503	2MA	N3-C2-N1	-2.04	122.20	125.77
1	2A	2605	PSU	O2-C2-N3	-2.03	118.25	121.86
55	2x	39	PSU	C6-C5-C4	-2.02	116.81	118.17
1	2A	2503	2MA	C4-C5-N7	-2.01	107.21	109.34

There are no chirality outliers.

All (54) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
43	1l	92	0TD	CG-CB-SB-CSB
54	1w	230	MEQ	CG-CD-NE2-CE
32	2a	1400	5MC	O4'-C4'-C5'-O5'
54	2w	230	MEQ	N-CA-CB-CG
54	2w	230	MEQ	C-CA-CB-CG
54	2w	230	MEQ	CG-CD-NE2-CE
55	1x	21	H2U	C3'-C4'-C5'-O5'
55	1x	21	H2U	O4'-C1'-N1-C6
55	2x	21	H2U	C4'-C5'-O5'-P
55	2x	21	H2U	O4'-C1'-N1-C6
32	1a	527	G7M	C3'-C4'-C5'-O5'
32	1a	1402	4OC	O4'-C4'-C5'-O5'
32	1a	1519	MA6	O4'-C4'-C5'-O5'
32	2a	1400	5MC	C3'-C4'-C5'-O5'
55	2x	20	H2U	O4'-C4'-C5'-O5'
55	2x	20	H2U	C3'-C4'-C5'-O5'
55	2x	21	H2U	C3'-C4'-C5'-O5'
55	2x	37	MIA	O4'-C4'-C5'-O5'
54	1w	230	MEQ	CA-CB-CG-CD
55	2x	21	H2U	O4'-C1'-N1-C2
1	1A	1915	5MU	O4'-C4'-C5'-O5'
32	2a	1402	4OC	O4'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
55	1x	21	H2U	O4'-C4'-C5'-O5'
54	2w	230	MEQ	OE1-CD-NE2-CE
54	2w	230	MEQ	NE2-CD-CG-CB
54	2w	230	MEQ	OE1-CD-CG-CB
32	1a	1402	4OC	C3'-C4'-C5'-O5'
55	2x	37	MIA	C3'-C4'-C5'-O5'
32	1a	527	G7M	O4'-C4'-C5'-O5'
32	1a	1519	MA6	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
55	1x	20	H2U	O4'-C4'-C5'-O5'
55	1x	20	H2U	C3'-C4'-C5'-O5'
55	1x	54	5MU	O4'-C4'-C5'-O5'
55	1x	21	H2U	C4'-C5'-O5'-P
54	1w	230	MEQ	OE1-CD-NE2-CE
55	2x	21	H2U	O4'-C4'-C5'-O5'
55	1x	54	5MU	C3'-C4'-C5'-O5'
32	2a	1402	4OC	C3'-C4'-C5'-O5'
55	1x	21	H2U	O4'-C1'-N1-C2
32	2a	1519	MA6	C3'-C4'-C5'-O5'
54	2w	230	MEQ	CA-CB-CG-CD
32	2a	1519	MA6	C4'-C5'-O5'-P
1	2A	2503	2MA	O4'-C4'-C5'-O5'
54	1w	230	MEQ	OE1-CD-CG-CB
1	1A	1915	5MU	C3'-C4'-C5'-O5'
32	1a	516	PSU	O4'-C4'-C5'-O5'
43	1l	92	0TD	CA-CB-SB-CSB
54	1w	230	MEQ	NE2-CD-CG-CB
55	1x	37	MIA	O4'-C4'-C5'-O5'
43	2l	92	0TD	CG-CB-SB-CSB
1	1A	2503	2MA	C4'-C5'-O5'-P
32	1a	1207	2MG	C4'-C5'-O5'-P
1	2A	2503	2MA	C4'-C5'-O5'-P

There are no ring outliers.

No monomer is involved in short contacts.

4.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

4.6 Ligand geometry (i)

Of 2702 ligands modelled in this entry, 2700 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	$\#\|Z\|>2$
59	SF4	1d	302	35	0,12,12	-	-	-		
59	SF4	2d	303	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
59	SF4	1d	302	35	-	-	0/6/5/5
59	SF4	2d	303	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, 95^{th} 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	2860/2915 (98%)	-0.54	141 (4%) 36 30	18, 36, 93, 105	0
1	2A	2789/2915 (95%)	-0.14	110 (3%) 44 38	31, 55, 88, 103	0
2	1B	120/121 (99%)	-0.36	0 100 100	30, 52, 64, 84	0
2	2B	120/121 (99%)	0.56	7 (5%) 30 24	61, 74, 82, 87	0
3	1D	275/276 (99%)	-0.35	1 (0%) 89 86	20, 38, 54, 71	0
3	2D	275/276 (99%)	-0.05	3 (1%) 77 74	27, 49, 60, 75	0
4	1E	204/206 (99%)	-0.33	0 100 100	20, 41, 59, 74	0
4	2E	204/206 (99%)	0.04	2 (0%) 79 75	32, 57, 72, 77	0
5	1F	203/210 (96%)	-0.32	0 100 100	17, 42, 66, 81	0
5	2F	203/210 (96%)	0.22	1 (0%) 87 84	34, 63, 75, 85	0
6	1G	181/182 (99%)	0.77	12 (6%) 26 21	48, 68, 78, 86	0
6	2G	181/182 (99%)	0.98	19 (10%) 13 11	67, 78, 84, 91	0
7	1H	174/180 (96%)	0.12	2 (1%) 77 74	39, 55, 66, 73	0
7	2H	174/180 (96%)	0.88	10 (5%) 30 25	66, 77, 84, 91	0
8	1I	146/148 (98%)	0.39	1 (0%) 84 81	40, 69, 76, 78	0
8	2I	146/148 (98%)	0.90	15 (10%) 13 11	57, 75, 80, 83	0
9	1N	140/140 (100%)	-0.31	0 100 100	25, 39, 61, 69	0
9	2N	140/140 (100%)	0.32	2 (1%) 73 68	46, 62, 75, 80	0
10	1O	122/122 (100%)	-0.28	0 100 100	29, 41, 58, 63	0
10	2O	122/122 (100%)	0.06	0 100 100	40, 54, 65, 73	0
11	1P	149/150 (99%)	-0.25	0 100 100	20, 43, 66, 75	0
11	2P	149/150 (99%)	0.33	6 (4%) 43 37	36, 64, 77, 83	0
12	1Q	141/141 (100%)	-0.15	2 (1%) 73 68	26, 41, 53, 62	0
12	2Q	141/141 (100%)	0.44	2 (1%) 73 68	44, 62, 70, 72	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.47	0 100 100	23, 36, 48, 58	0
13	2R	118/118 (100%)	0.00	0 100 100	40, 52, 61, 70	0
14	1S	110/112 (98%)	-0.00	2 (1%) 67 62	38, 52, 63, 67	0
14	2S	110/112 (98%)	0.80	7 (6%) 27 21	60, 70, 79, 84	0
15	1T	131/146 (89%)	-0.06	3 (2%) 61 55	34, 46, 67, 80	0
15	2T	131/146 (89%)	0.11	2 (1%) 71 67	48, 57, 72, 77	0
16	1U	116/118 (98%)	-0.51	0 100 100	22, 32, 48, 58	0
16	2U	116/118 (98%)	0.16	1 (0%) 81 77	41, 56, 70, 74	0
17	1V	101/101 (100%)	-0.38	0 100 100	21, 43, 58, 67	0
17	2V	101/101 (100%)	0.47	1 (0%) 79 75	44, 65, 76, 81	0
18	1W	112/113 (99%)	-0.46	0 100 100	22, 31, 53, 76	0
18	2W	112/113 (99%)	-0.05	1 (0%) 81 77	38, 50, 66, 80	0
19	1X	95/96 (98%)	-0.34	1 (1%) 77 74	24, 37, 56, 68	0
19	2X	95/96 (98%)	0.30	2 (2%) 63 58	46, 58, 74, 79	0
20	1Y	107/110 (97%)	0.03	1 (0%) 81 77	35, 49, 69, 73	0
20	2Y	107/110 (97%)	0.68	7 (6%) 26 21	56, 68, 80, 85	0
21	1Z	154/206 (74%)	0.23	4 (2%) 57 51	39, 57, 72, 79	0
21	2Z	160/206 (77%)	0.75	8 (5%) 35 30	62, 74, 80, 85	0
22	10	76/85 (89%)	-0.29	0 100 100	28, 38, 53, 57	0
22	20	76/85 (89%)	0.46	2 (2%) 57 51	43, 61, 70, 75	0
23	11	97/98 (98%)	-0.06	1 (1%) 79 75	26, 42, 67, 72	0
23	21	97/98 (98%)	0.12	1 (1%) 79 75	40, 54, 72, 76	0
24	12	70/72 (97%)	-0.12	0 100 100	33, 48, 58, 73	0
24	22	70/72 (97%)	0.53	4 (5%) 30 25	58, 68, 75, 83	0
25	13	59/60 (98%)	-0.53	0 100 100	25, 36, 62, 73	0
25	23	59/60 (98%)	0.18	0 100 100	49, 60, 72, 78	0
26	14	69/71 (97%)	0.95	11 (15%) 6 5	63, 79, 87, 94	0
26	24	69/71 (97%)	1.11	10 (14%) 7 5	75, 84, 90, 96	0
27	15	59/60 (98%)	-0.44	1 (1%) 69 64	18, 35, 62, 70	0
27	25	59/60 (98%)	-0.08	1 (1%) 69 64	39, 50, 67, 77	0
28	16	53/54 (98%)	-0.32	0 100 100	31, 43, 54, 58	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/54 (98%)	0.29	1 (1%) 66 61	49, 59, 67, 68	0
29	17	48/49 (97%)	-0.42	1 (2%) 63 58	19, 26, 56, 62	0
29	27	48/49 (97%)	-0.06	0 100 100	30, 40, 65, 70	0
30	18	64/65 (98%)	-0.39	0 100 100	25, 34, 43, 51	0
30	28	64/65 (98%)	0.26	0 100 100	44, 53, 62, 66	0
31	19	37/37 (100%)	-0.17	0 100 100	32, 43, 56, 59	0
31	29	37/37 (100%)	0.81	2 (5%) 32 27	56, 64, 71, 71	0
32	1a	1488/1521 (97%)	0.64	99 (6%) 25 20	38, 76, 93, 102	0
32	2a	1491/1521 (98%)	0.48	65 (4%) 39 33	45, 75, 92, 104	0
33	1b	231/256 (90%)	1.05	27 (11%) 10 8	70, 78, 86, 91	0
33	2b	231/256 (90%)	1.01	26 (11%) 11 9	68, 80, 85, 90	0
34	1c	206/239 (86%)	1.08	25 (12%) 10 8	68, 79, 86, 91	0
34	2c	206/239 (86%)	0.96	17 (8%) 19 15	72, 79, 85, 90	0
35	1d	208/209 (99%)	1.01	16 (7%) 21 17	57, 75, 82, 87	0
35	2d	208/209 (99%)	0.79	9 (4%) 40 34	58, 70, 79, 84	0
36	1e	148/162 (91%)	0.51	5 (3%) 48 42	52, 68, 75, 78	0
36	2e	148/162 (91%)	0.57	3 (2%) 64 59	61, 70, 77, 84	0
37	1f	100/101 (99%)	0.53	3 (3%) 52 46	61, 69, 75, 78	0
37	2f	100/101 (99%)	0.59	2 (2%) 64 59	62, 71, 78, 81	0
38	1g	155/156 (99%)	0.87	7 (4%) 39 33	67, 77, 83, 86	0
38	2g	155/156 (99%)	0.96	20 (12%) 9 7	71, 79, 85, 87	0
39	1h	137/138 (99%)	0.65	6 (4%) 39 33	62, 72, 78, 83	0
39	2h	137/138 (99%)	0.62	4 (2%) 54 48	60, 70, 77, 79	0
40	1i	127/128 (99%)	1.44	33 (25%) 2 2	68, 79, 84, 86	0
40	2i	127/128 (99%)	1.82	47 (37%) 1 1	72, 83, 88, 91	0
41	1j	97/105 (92%)	1.32	16 (16%) 5 4	67, 81, 86, 87	0
41	2j	96/105 (91%)	1.67	32 (33%) 1 1	74, 83, 88, 90	0
42	1k	114/129 (88%)	0.47	3 (2%) 57 51	50, 70, 78, 79	0
42	2k	114/129 (88%)	0.65	5 (4%) 39 33	56, 73, 81, 85	0
43	1l	121/132 (91%)	0.44	3 (2%) 58 53	54, 64, 71, 77	0
43	2l	121/132 (91%)	0.44	3 (2%) 58 53	53, 64, 72, 77	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	118/126 (93%)	1.48	32 (27%) 2 1	70, 80, 85, 87	0
44	2m	116/126 (92%)	1.32	24 (20%) 3 2	73, 80, 86, 91	0
45	1n	60/61 (98%)	1.45	14 (23%) 2 2	72, 80, 84, 86	0
45	2n	60/61 (98%)	2.07	23 (38%) 1 1	72, 81, 86, 90	0
46	1o	88/89 (98%)	0.71	3 (3%) 48 42	51, 70, 80, 86	0
46	2o	88/89 (98%)	0.66	3 (3%) 48 42	61, 70, 78, 80	0
47	1p	82/88 (93%)	1.58	22 (26%) 2 1	65, 77, 83, 87	0
47	2p	82/88 (93%)	0.91	4 (4%) 36 30	62, 70, 77, 81	0
48	1q	99/105 (94%)	0.77	4 (4%) 43 37	59, 70, 77, 83	0
48	2q	99/105 (94%)	0.51	0 100 100	56, 69, 76, 80	0
49	1r	68/88 (77%)	0.50	0 100 100	59, 68, 76, 82	0
49	2r	68/88 (77%)	0.65	2 (2%) 54 48	65, 73, 78, 84	0
50	1s	83/93 (89%)	1.69	28 (33%) 1 1	75, 82, 86, 87	0
50	2s	83/93 (89%)	1.58	25 (30%) 1 1	77, 84, 89, 92	0
51	1t	96/106 (90%)	1.06	12 (12%) 9 7	64, 75, 79, 85	0
51	2t	96/106 (90%)	0.56	2 (2%) 63 58	57, 69, 77, 81	0
52	1u	23/27 (85%)	2.27	13 (56%) 0 0	76, 79, 83, 84	0
52	2u	23/27 (85%)	1.75	10 (43%) 1 1	76, 80, 83, 84	0
53	1v	13/24 (54%)	1.66	4 (30%) 1 1	57, 81, 93, 94	0
53	2v	13/24 (54%)	1.82	7 (53%) 0 0	68, 85, 96, 98	0
54	1w	248/354 (70%)	0.97	31 (12%) 9 7	57, 78, 85, 91	0
54	2w	252/354 (71%)	1.57	69 (27%) 2 1	71, 83, 90, 92	0
55	1x	66/74 (89%)	0.18	1 (1%) 71 67	43, 74, 85, 88	0
55	2x	66/74 (89%)	0.41	1 (1%) 71 67	55, 78, 88, 90	0
All	All	21073/22146 (95%)	0.28	1221 (5%) 30 24	17, 64, 87, 105	0

All (1221) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	6	GLY	9.2
1	2A	2147	G	8.4
1	2A	2145	C	7.5
45	1n	2	ALA	7.2
1	2A	2146	C	7.0

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Mol	Chain	Res	Type	RSRZ
1	1A	1093	G	6.8
1	2A	2133	G	6.5
1	1A	2129	C	6.3
1	1A	2113	U	6.3
1	2A	2117	A	6.2
45	2n	2	ALA	6.1
1	1A	2141	G	6.1
54	2w	185	VAL	6.0
1	2A	2111	C	5.9
1	1A	2108	C	5.9
1	1A	2130	U	5.8
40	2i	10	ARG	5.7
1	1A	2112	G	5.6
40	2i	105	ASP	5.6
45	2n	5	ALA	5.4
1	1A	2115	G	5.4
1	2A	2112	G	5.4
45	2n	22	THR	5.3
44	2m	7	VAL	5.3
1	1A	2117	A	5.2
1	1A	1098	A	5.2
44	1m	107	ALA	5.2
1	1A	1064	C	5.1
1	2A	2115	G	5.1
1	1A	2145	C	5.1
1	1A	1072	C	5.0
1	2A	2138	C	5.0
1	2A	2144	U	5.0
40	2i	102	LEU	4.9
1	1A	1094	U	4.9
32	1a	1027	C	4.9
1	1A	2116	G	4.9
32	1a	1532	U	4.9
21	2Z	174	VAL	4.9
54	1w	185	VAL	4.9
50	1s	9	VAL	4.8
1	1A	2124	G	4.8
1	1A	2131	G	4.8
40	1i	15	ALA	4.8
54	2w	232	VAL	4.8
54	2w	183	VAL	4.8
1	1A	2114	A	4.7

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Mol	Chain	Res	Type	RSRZ
32	1a	1257	U	4.7
1	1A	2159	G	4.7
1	1A	2160	G	4.7
32	1a	1029	C	4.7
1	1A	2174	C	4.6
1	1A	2120	G	4.6
54	2w	190	GLY	4.6
1	1A	1058	G	4.6
1	1A	2154	G	4.6
1	2A	2155	G	4.6
32	2a	1034	G	4.6
1	2A	2105	C	4.6
1	1A	1088	A	4.5
1	1A	2133	G	4.5
1	1A	2128	C	4.5
1	2A	2130	U	4.4
1	2A	2113	U	4.4
32	1a	1531	A	4.4
1	1A	2139	C	4.4
1	1A	2178	C	4.4
1	1A	2132	U	4.4
32	1a	1286	A	4.4
1	1A	1100	C	4.4
34	1c	2	GLY	4.4
54	2w	234	THR	4.4
45	2n	7	ILE	4.3
1	2A	2104	G	4.3
33	1b	7	VAL	4.3
39	2h	2	LEU	4.3
52	1u	23	PRO	4.3
45	1n	5	ALA	4.3
1	1A	2125	G	4.3
1	1A	2127	G	4.3
1	1A	2148	G	4.3
32	1a	1034	G	4.3
1	1A	2109	U	4.3
1	1A	1068	G	4.2
1	1A	1071	G	4.2
1	1A	2147	G	4.2
1	1A	2110	G	4.2
1	2A	2139	C	4.2
32	1a	1224	G	4.2

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Mol	Chain	Res	Type	RSRZ
40	2i	108	VAL	4.2
1	1A	2158	A	4.2
45	1n	7	ILE	4.1
54	2w	328	LEU	4.1
6	1G	82	LEU	4.1
1	1A	1077	A	4.1
33	1b	230	VAL	4.1
1	1A	2175	C	4.1
1	2A	2174	C	4.1
32	1a	1028	C	4.1
1	1A	2169	A	4.1
1	1A	2173	A	4.1
1	1A	2122	U	4.1
1	1A	2179	C	4.1
1	2A	2137	C	4.1
1	2A	2159	G	4.1
40	1i	8	GLY	4.1
40	2i	14	VAL	4.0
1	1A	2167	U	4.0
32	1a	1030	C	4.0
32	2a	1030(B)	C	4.0
44	2m	5	ALA	4.0
1	2A	2127	G	4.0
1	2A	2134	A	4.0
54	2w	237	SER	4.0
1	1A	2107	C	4.0
1	2A	2158	A	4.0
1	2A	2131	G	4.0
23	21	2	SER	3.9
50	2s	2	PRO	3.9
50	1s	71	LEU	3.9
1	1A	2121	G	3.9
12	2Q	104	PHE	3.9
1	2A	2132	U	3.9
40	2i	2	GLU	3.8
45	2n	13	THR	3.8
40	2i	11	LYS	3.8
32	1a	1036	G	3.8
45	2n	4	LYS	3.8
1	1A	2142	C	3.8
1	2A	2183	C	3.8
33	1b	227	GLY	3.8

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Mol	Chain	Res	Type	RSRZ
46	2o	86	GLY	3.8
1	2A	2120	G	3.8
32	1a	380	G	3.8
1	1A	2111	C	3.8
40	2i	109	VAL	3.8
1	1A	2135	A	3.8
54	1w	295	THR	3.7
21	2Z	93	ASP	3.7
33	1b	229	VAL	3.7
40	2i	7	THR	3.7
1	2A	2110	G	3.7
1	2A	2154	G	3.7
1	1A	2134	A	3.7
1	1A	2170	A	3.7
32	1a	1035	A	3.7
15	1T	131	ALA	3.7
50	1s	39	THR	3.7
26	14	59	PHE	3.7
1	2A	2140	C	3.7
1	2A	2143	C	3.7
52	1u	22	ARG	3.7
41	2j	75	ILE	3.7
51	1t	103	GLY	3.7
1	1A	1060	U	3.6
1	2A	2148	G	3.6
1	2A	2165	G	3.6
1	2A	2182	G	3.6
1	1A	1092	C	3.6
1	1A	2140	C	3.6
1	2A	2128	C	3.6
32	1a	1503	A	3.6
8	2I	146	ALA	3.6
1	1A	1063	G	3.6
32	1a	1353	G	3.6
40	2i	13	ALA	3.6
20	2Y	1	MET	3.6
45	2n	18	VAL	3.6
6	2G	152	LEU	3.6
35	1d	155	LEU	3.6
1	1A	1059	G	3.6
1	2A	2153	G	3.6
54	2w	307	PHE	3.6

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Mol	Chain	Res	Type	RSRZ
33	2b	136	VAL	3.5
45	2n	21	TYR	3.5
41	2j	34	VAL	3.5
43	1l	91	LYS	3.5
54	2w	153	GLY	3.5
1	1A	1057	A	3.5
1	2A	2114	A	3.5
1	2A	2135	A	3.5
1	2A	2142	C	3.5
1	2A	2160	G	3.5
40	1i	2	GLU	3.5
33	1b	131	PRO	3.5
1	1A	2150	U	3.5
7	2H	100	GLY	3.5
26	24	51	ASP	3.5
1	2A	2119	A	3.5
32	1a	1447	A	3.5
39	1h	92	ARG	3.5
32	1a	1037	C	3.5
1	1A	2157	G	3.5
26	24	56	VAL	3.5
54	2w	221	VAL	3.5
54	1w	192	ILE	3.5
1	1A	1082	U	3.5
47	1p	17	TYR	3.5
34	1c	52	LEU	3.5
40	1i	19	LEU	3.5
1	1A	2143	C	3.4
1	2A	2175	C	3.4
32	1a	1354	C	3.4
41	2j	47	PHE	3.4
54	2w	231	GLY	3.4
1	1A	1097	U	3.4
40	1i	105	ASP	3.4
44	1m	100	GLY	3.4
1	1A	2119	A	3.4
52	2u	14	TRP	3.4
1	1A	1099	G	3.4
1	1A	2181	G	3.4
32	1a	1030(A)	G	3.4
23	11	2	SER	3.4
52	1u	17	THR	3.4

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Mol	Chain	Res	Type	RSRZ
22	20	68	GLU	3.4
27	15	60	VAL	3.4
1	1A	1078	U	3.4
47	1p	16	HIS	3.4
1	1A	1062	G	3.4
1	1A	2104	G	3.4
1	2A	2106	G	3.4
17	2V	42	GLY	3.4
54	2w	228	GLY	3.4
45	2n	14	PRO	3.3
38	1g	7	ALA	3.3
47	1p	7	ALA	3.3
1	2A	2126	A	3.3
32	2a	965	A	3.3
54	2w	236	ASP	3.3
1	1A	1075	C	3.3
1	1A	2149	G	3.3
1	2A	2156	G	3.3
41	2j	35	SER	3.3
1	2A	2167	U	3.3
1	1A	2166	G	3.3
1	2A	2157	G	3.3
38	1g	9	VAL	3.3
26	24	49	PHE	3.3
34	2c	2	GLY	3.3
51	2t	103	GLY	3.3
38	2g	4	ARG	3.3
45	2n	3	ARG	3.3
1	2A	2169	A	3.3
1	2A	2129	C	3.3
4	2E	204	ALA	3.3
41	2j	74	ILE	3.3
12	1Q	60	ARG	3.3
1	2A	2125	G	3.3
1	2A	2166	G	3.3
47	1p	14	ASN	3.3
40	1i	126	SER	3.2
44	1m	97	PRO	3.2
20	2Y	5	MET	3.2
38	2g	2	ALA	3.2
41	1j	55	LYS	3.2
45	2n	39	LEU	3.2

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Mol	Chain	Res	Type	RSRZ
1	2A	2149	G	3.2
53	1v	12	A	3.2
1	1A	2189	U	3.2
1	1A	2146	C	3.2
54	1w	184	PRO	3.2
34	1c	207	VAL	3.2
1	1A	2123	G	3.2
1	1A	2165	G	3.2
1	2A	2116	G	3.2
32	1a	1021	G	3.2
32	2a	1030(A)	G	3.2
1	1A	1073	A	3.2
22	20	10	THR	3.2
38	2g	42	ILE	3.2
54	2w	310	SER	3.2
38	1g	118	VAL	3.2
6	1G	83	ARG	3.2
42	2k	126	ARG	3.2
50	1s	13	ASP	3.2
1	1A	2155	G	3.1
32	1a	1003	G	3.1
1	2A	2118	U	3.1
32	2a	1035	A	3.1
7	2H	165	ALA	3.1
38	2g	16	LEU	3.1
1	2A	2108	C	3.1
41	2j	55	LYS	3.1
44	2m	70	LEU	3.1
1	1A	1087	G	3.1
1	2A	2168	G	3.1
26	14	56	VAL	3.1
32	1a	1024	G	3.1
32	2a	1002	G	3.1
32	2a	1257	U	3.1
34	1c	64	VAL	3.1
34	1c	130	VAL	3.1
32	1a	1041	A	3.1
32	2a	1149	C	3.1
36	2e	86	ALA	3.1
45	2n	33	VAL	3.1
7	2H	2	SER	3.1
54	2w	226	GLY	3.1

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Mol	Chain	Res	Type	RSRZ
1	1A	1069	A	3.1
1	1A	1086	A	3.1
1	1A	2151	G	3.1
1	2A	2141	G	3.1
32	2a	1033	G	3.1
3	1D	276	LYS	3.1
8	2I	20	ASP	3.1
46	1o	87	ILE	3.1
1	1A	888	C	3.1
1	2A	2136	C	3.1
38	2g	5	ARG	3.1
41	2j	32	ALA	3.1
47	1p	1	MET	3.1
35	2d	167	GLY	3.1
40	1i	39	GLY	3.1
41	2j	37	PRO	3.1
54	2w	150	THR	3.0
40	2i	9	ARG	3.0
51	1t	18	GLN	3.0
6	1G	76	SER	3.0
50	1s	4	SER	3.0
1	2A	2177	C	3.0
33	2b	200	ILE	3.0
1	1A	2118	U	3.0
1	1A	2180	U	3.0
1	2A	2109	U	3.0
41	2j	65	LEU	3.0
44	1m	90	LEU	3.0
51	1t	10	LEU	3.0
43	1l	89	ARG	3.0
1	1A	887	A	3.0
54	2w	197	ALA	3.0
1	2A	2123	G	3.0
1	2A	2319	G	3.0
32	1a	1001(A)	G	3.0
1	1A	2136	C	3.0
40	2i	47	LEU	3.0
54	1w	219	ILE	3.0
9	2N	73	THR	3.0
40	1i	42	ARG	3.0
1	1A	1081	U	3.0
32	1a	1040	U	3.0

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Mol	Chain	Res	Type	RSRZ
33	2b	7	VAL	3.0
53	1v	11	U	3.0
1	2A	2170	A	3.0
32	1a	1030(D)	A	3.0
1	1A	2168	G	3.0
34	1c	39	ILE	3.0
50	1s	77	THR	3.0
37	1f	55	ASP	3.0
32	1a	999	C	3.0
44	2m	118	ALA	3.0
45	1n	30	ALA	3.0
54	2w	124	ALA	3.0
41	2j	63	PHE	3.0
1	1A	1026	U	3.0
40	2i	36	TYR	2.9
52	1u	21	TYR	2.9
14	2S	3	ARG	2.9
34	1c	189	ALA	2.9
1	1A	2164	C	2.9
32	2a	1030	C	2.9
41	2j	93	GLY	2.9
33	2b	11	LEU	2.9
40	2i	63	ILE	2.9
52	1u	24	ARG	2.9
27	25	60	VAL	2.9
45	2n	10	ALA	2.9
42	2k	119	CYS	2.9
6	2G	2	PRO	2.9
32	2a	979	C	2.9
52	2u	22	ARG	2.9
15	2T	131	ALA	2.9
21	1Z	51	ALA	2.9
33	1b	136	VAL	2.9
40	1i	13	ALA	2.9
40	1i	41	VAL	2.9
1	1A	548	A	2.9
21	2Z	106	GLY	2.9
40	2i	21	PRO	2.9
40	2i	96	LEU	2.9
46	1o	3	ILE	2.9
54	2w	293	ILE	2.9
7	1H	2	SER	2.9

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Mol	Chain	Res	Type	RSRZ
50	1s	18	LYS	2.9
1	1A	2156	G	2.9
1	1A	1083	U	2.9
32	1a	1000	U	2.9
38	1g	80	VAL	2.9
40	1i	14	VAL	2.9
33	2b	161	ALA	2.9
20	2Y	80	GLY	2.9
38	2g	84	ASN	2.9
32	1a	374	A	2.9
53	2v	12	A	2.9
54	1w	152	LEU	2.9
54	2w	285	LEU	2.9
50	2s	69	HIS	2.8
44	2m	102	ARG	2.8
54	2w	223	ARG	2.8
50	1s	35	SER	2.8
41	1j	34	VAL	2.8
44	1m	53	VAL	2.8
35	2d	48	ALA	2.8
41	1j	33	GLN	2.8
44	1m	101	GLN	2.8
1	1A	2144	U	2.8
2	2B	119	G	2.8
32	1a	1020	U	2.8
35	1d	102	ASP	2.8
53	1v	22	U	2.8
53	2v	22	U	2.8
50	2s	84	GLY	2.8
44	1m	102	ARG	2.8
1	1A	1067	A	2.8
32	1a	172	A	2.8
38	2g	80	VAL	2.8
41	1j	44	VAL	2.8
47	1p	82	GLN	2.8
34	2c	158	GLY	2.8
40	2i	118	LYS	2.8
33	1b	137	ARG	2.8
32	2a	1001	A	2.8
34	1c	65	ALA	2.8
34	2c	160	ALA	2.8
40	2i	106	ALA	2.8

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Mol	Chain	Res	Type	RSRZ
44	1m	72	ALA	2.8
54	2w	205	ALA	2.8
44	1m	96	LEU	2.8
54	1w	324	LEU	2.8
41	2j	62	HIS	2.8
18	2W	60	ASN	2.8
47	1p	19	ILE	2.8
1	1A	1066	U	2.8
1	2A	271(K)	U	2.8
8	2I	3	VAL	2.8
32	1a	1039	C	2.8
41	2j	49	VAL	2.8
50	1s	60	VAL	2.8
35	2d	164	ALA	2.8
26	14	63	TYR	2.8
45	1n	4	LYS	2.8
54	1w	348	LEU	2.8
40	2i	67	GLY	2.8
32	2a	1130	A	2.8
53	2v	14	A	2.8
38	1g	5	ARG	2.8
54	2w	248	ILE	2.7
53	2v	11	U	2.7
34	1c	195	VAL	2.7
44	1m	2	ALA	2.7
44	1m	28	ALA	2.7
52	1u	14	TRP	2.7
54	2w	227	PRO	2.7
1	2A	2178	C	2.7
32	2a	1249	C	2.7
44	2m	87	TYR	2.7
21	1Z	146	ILE	2.7
33	1b	172	ILE	2.7
1	2A	2173	A	2.7
34	1c	68	VAL	2.7
20	2Y	4	LYS	2.7
26	14	52	THR	2.7
50	2s	24	ALA	2.7
32	2a	1219	U	2.7
32	2a	1532	U	2.7
54	2w	149	PRO	2.7
50	1s	5	LEU	2.7

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Mol	Chain	Res	Type	RSRZ
35	1d	69	GLY	2.7
40	1i	9	ARG	2.7
40	2i	4	TYR	2.7
46	1o	69	TYR	2.7
1	2A	2107	C	2.7
1	2A	2896	C	2.7
32	2a	1027	C	2.7
41	2j	76	ASN	2.7
14	2S	59	LYS	2.7
33	1b	165	VAL	2.7
37	2f	6	VAL	2.7
47	1p	20	VAL	2.7
46	2o	13	GLN	2.7
51	1t	74	LYS	2.7
33	1b	171	ALA	2.7
44	1m	5	ALA	2.7
34	1c	192	THR	2.7
15	1T	107	ASP	2.7
21	1Z	141	VAL	2.7
54	2w	196	THR	2.7
1	2A	2152	G	2.7
32	1a	66	G	2.7
32	2a	1032	G	2.7
50	2s	38	SER	2.7
52	1u	15	ARG	2.7
54	2w	154	GLY	2.7
1	2A	1026	U	2.6
6	2G	147	ASP	2.6
6	2G	149	VAL	2.6
33	2b	197	VAL	2.6
41	2j	44	VAL	2.6
35	2d	32	ALA	2.6
37	2f	45	LEU	2.6
38	2g	152	ALA	2.6
44	1m	66	LEU	2.6
26	14	55	ARG	2.6
40	1i	10	ARG	2.6
1	2A	1536	C	2.6
1	1A	2176	A	2.6
32	1a	1044	A	2.6
1	1A	1074	G	2.6
1	1A	1176	G	2.6

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Mol	Chain	Res	Type	RSRZ
32	1a	392	G	2.6
32	1a	1026	G	2.6
32	2a	1036	G	2.6
52	1u	18	TYR	2.6
53	1v	10	G	2.6
6	1G	49	ASP	2.6
32	1a	1025	U	2.6
7	2H	103	LEU	2.6
34	2c	12	LEU	2.6
38	2g	118	VAL	2.6
39	1h	2	LEU	2.6
54	2w	241	VAL	2.6
54	2w	244	LEU	2.6
40	1i	106	ALA	2.6
35	1d	3	ARG	2.6
40	1i	66	ARG	2.6
52	1u	9	ARG	2.6
8	2I	34	GLY	2.6
51	1t	69	GLY	2.6
26	14	18	CYS	2.6
41	2j	30	SER	2.6
54	2w	195	SER	2.6
1	1A	2105	C	2.6
1	2A	2103	C	2.6
32	2a	1038	C	2.6
39	1h	94	TYR	2.6
50	2s	52	TYR	2.6
1	1A	1070	A	2.6
32	1a	143	A	2.6
32	1a	1001	A	2.6
35	2d	154	ASN	2.6
1	2A	2162	G	2.6
6	2G	53	LEU	2.6
32	1a	1023	G	2.6
47	1p	2	VAL	2.6
47	1p	79	VAL	2.6
1	1A	2102	U	2.6
14	2S	29	PHE	2.6
51	1t	80	ARG	2.6
33	1b	42	ILE	2.6
50	1s	84	GLY	2.6
54	2w	192	ILE	2.6

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Mol	Chain	Res	Type	RSRZ
26	24	66	SER	2.6
33	1b	129	GLU	2.6
35	1d	21	LEU	2.6
54	1w	144	VAL	2.6
1	1A	2138	C	2.6
1	1A	2185	C	2.6
32	1a	219	C	2.6
32	1a	1018	C	2.6
54	2w	184	PRO	2.6
11	2P	15	ARG	2.6
33	1b	17	PHE	2.6
41	2j	20	ALA	2.6
52	1u	6	ARG	2.6
54	2w	121	ALA	2.6
1	1A	2126	A	2.6
31	29	37	GLY	2.6
40	2i	81	ILE	2.6
54	2w	335	ILE	2.6
1	1A	1089	G	2.6
1	1A	2162	G	2.6
1	2A	2121	G	2.6
32	1a	70	G	2.6
32	2a	1003	G	2.6
38	2g	156	TRP	2.5
26	24	67	TYR	2.5
47	1p	39	TYR	2.5
6	1G	133	LEU	2.5
50	1s	20	LEU	2.5
42	1k	36	ASP	2.5
7	2H	169	VAL	2.5
8	2I	81	VAL	2.5
34	1c	55	VAL	2.5
40	2i	86	VAL	2.5
45	2n	25	VAL	2.5
50	2s	76	PRO	2.5
35	1d	73	ARG	2.5
35	2d	49	ARG	2.5
35	2d	132	ARG	2.5
40	2i	107	ARG	2.5
3	2D	90	ALA	2.5
41	2j	54	PHE	2.5
54	2w	291	ALA	2.5

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Mol	Chain	Res	Type	RSRZ
6	1G	114	ILE	2.5
1	2A	2179	C	2.5
32	1a	984	C	2.5
32	1a	989	C	2.5
32	2a	1037	C	2.5
40	2i	30	GLY	2.5
32	1a	152	A	2.5
32	2a	1004	A	2.5
32	2a	1248	A	2.5
1	2A	2180	U	2.5
32	1a	723	U	2.5
32	1a	1012	U	2.5
54	2w	325	GLU	2.5
1	1A	2106	G	2.5
1	1A	2153	G	2.5
1	1A	2182	G	2.5
1	2A	2181	G	2.5
2	2B	118	G	2.5
32	2a	1202	G	2.5
6	2G	146	TYR	2.5
42	1k	98	LEU	2.5
54	2w	332	LEU	2.5
16	2U	90	VAL	2.5
34	2c	153	VAL	2.5
34	2c	207	VAL	2.5
50	2s	3	ARG	2.5
6	2G	50	ALA	2.5
54	2w	217	ILE	2.5
26	14	17	GLY	2.5
54	2w	321	THR	2.5
32	2a	995	C	2.5
35	1d	71	SER	2.5
50	1s	38	SER	2.5
2	2B	59	A	2.5
32	1a	1287	A	2.5
33	2b	138	LEU	2.5
39	2h	119	LEU	2.5
50	2s	45	VAL	2.5
54	2w	298	ARG	2.5
7	2H	123	PHE	2.5
54	1w	211	ALA	2.5
1	1A	1091	G	2.5

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Mol	Chain	Res	Type	RSRZ
1	1A	2152	G	2.5
1	1A	2190	G	2.5
33	2b	201	ILE	2.5
40	1i	12	GLU	2.5
44	2m	58	GLU	2.5
35	1d	194	LEU	2.5
43	2l	94	PRO	2.5
44	1m	3	ARG	2.5
52	2u	6	ARG	2.5
6	2G	159	VAL	2.5
44	2m	98	VAL	2.5
1	1A	2161	C	2.5
1	1A	2177	C	2.5
1	2A	1113	U	2.5
1	2A	2150	U	2.5
32	1a	1038	C	2.5
32	2a	969	A	2.5
32	2a	978	A	2.5
42	2k	13	GLN	2.5
45	2n	34	TYR	2.5
40	1i	76	ALA	2.5
47	2p	12	LYS	2.5
54	1w	120	ALA	2.5
54	2w	222	MET	2.5
6	1G	88	ILE	2.5
34	2c	194	GLY	2.5
50	1s	68	GLY	2.5
50	2s	8	GLY	2.5
52	2u	4	GLY	2.5
54	2w	318	GLY	2.5
1	1A	883	G	2.4
1	1A	2805	G	2.4
1	2A	892	G	2.4
1	2A	1042	G	2.4
1	2A	2318	G	2.4
32	1a	102	G	2.4
32	1a	1009	G	2.4
32	1a	1032	G	2.4
54	1w	297	GLU	2.4
55	2x	70	G	2.4
33	1b	97	TRP	2.4
38	2g	38	LEU	2.4

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Mol	Chain	Res	Type	RSRZ
40	2i	50	LEU	2.4
41	1j	40	LEU	2.4
39	1h	89	PRO	2.4
45	2n	57	ARG	2.4
34	1c	76	VAL	2.4
40	2i	17	VAL	2.4
33	2b	140	HIS	2.4
15	2T	130	ALA	2.4
38	2g	83	ALA	2.4
38	2g	128	ALA	2.4
45	2n	30	ALA	2.4
6	1G	77	ILE	2.4
44	1m	4	ILE	2.4
50	1s	12	ASP	2.4
54	1w	111	ILE	2.4
32	2a	1148	U	2.4
1	2A	6	A	2.4
1	2A	652(B)	A	2.4
32	1a	1016	A	2.4
32	1a	1320	C	2.4
54	1w	296	GLY	2.4
6	1G	48	GLU	2.4
24	22	5	GLU	2.4
35	1d	162	LEU	2.4
12	2Q	60	ARG	2.4
42	2k	42	TRP	2.4
50	1s	76	PRO	2.4
52	2u	23	PRO	2.4
1	1A	2833	G	2.4
1	2A	11	G	2.4
32	1a	1031	G	2.4
32	2a	1001(A)	G	2.4
32	2a	1024	G	2.4
32	2a	1030(C)	G	2.4
45	2n	58	LYS	2.4
50	1s	41	VAL	2.4
47	1p	13	HIS	2.4
50	2s	7	LYS	2.4
50	2s	41	VAL	2.4
54	2w	201	VAL	2.4
6	1G	50	ALA	2.4
31	29	10	ILE	2.4

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Mol	Chain	Res	Type	RSRZ
44	2m	84	ILE	2.4
44	1m	68	GLY	2.4
33	2b	190	THR	2.4
54	2w	208	GLU	2.4
32	1a	383	A	2.4
54	2w	273	LEU	2.4
1	1A	889	C	2.4
32	1a	1045	C	2.4
33	1b	15	VAL	2.4
33	2b	165	VAL	2.4
40	2i	117	HIS	2.4
43	1l	18	VAL	2.4
50	2s	11	VAL	2.4
41	1j	75	ILE	2.4
20	2Y	55	TYR	2.4
40	1i	69	GLY	2.4
44	1m	112	GLY	2.4
50	2s	13	ASP	2.4
32	1a	988	G	2.4
32	1a	1002	G	2.4
32	2a	1220	G	2.4
54	2w	186	THR	2.4
44	2m	19	LEU	2.4
50	2s	5	LEU	2.4
1	1A	1101	U	2.4
45	1n	3	ARG	2.4
52	2u	15	ARG	2.4
3	2D	38	LYS	2.4
8	2I	37	VAL	2.4
54	1w	180	VAL	2.4
54	2w	312	VAL	2.4
1	2A	2164	C	2.4
32	1a	1019	C	2.4
32	2a	1029	C	2.4
32	2a	1260	C	2.4
47	1p	80	PHE	2.4
38	2g	25	ALA	2.4
49	2r	24	ALA	2.4
50	1s	40	ILE	2.4
54	1w	259	ILE	2.4
38	2g	85	TYR	2.4
40	2i	125	TYR	2.4

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Mol	Chain	Res	Type	RSRZ
52	2u	17	THR	2.3
54	1w	321	THR	2.3
34	1c	188	LEU	2.3
35	1d	135	LEU	2.3
40	1i	40	LEU	2.3
40	2i	66	ARG	2.3
50	1s	32	LYS	2.3
1	2A	2151	G	2.3
1	2A	2207	G	2.3
1	2A	2833	G	2.3
32	1a	1138	G	2.3
40	1i	86	VAL	2.3
54	2w	243	HIS	2.3
42	1k	13	GLN	2.3
45	1n	16	PHE	2.3
47	2p	82	GLN	2.3
6	2G	46	ALA	2.3
15	1T	130	ALA	2.3
26	24	5	ILE	2.3
33	1b	214	ILE	2.3
40	1i	43	ALA	2.3
40	2i	119	ALA	2.3
54	1w	224	ALA	2.3
54	2w	120	ALA	2.3
54	2w	219	ILE	2.3
32	1a	1005	A	2.3
52	1u	16	GLY	2.3
1	1A	885	C	2.3
1	1A	886	C	2.3
1	1A	2103	C	2.3
1	2A	2188	C	2.3
2	2B	3	C	2.3
32	1a	1006	C	2.3
35	2d	54	TYR	2.3
44	1m	87	TYR	2.3
50	1s	15	LEU	2.3
50	2s	15	LEU	2.3
54	2w	269	LEU	2.3
33	1b	8	LYS	2.3
52	2u	24	ARG	2.3
6	2G	142	PRO	2.3
33	2b	131	PRO	2.3

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Mol	Chain	Res	Type	RSRZ
34	2c	7	PRO	2.3
50	1s	19	VAL	2.3
47	1p	48	TRP	2.3
47	1p	59	TRP	2.3
36	1e	118	ILE	2.3
54	2w	259	ILE	2.3
1	1A	1090	U	2.3
32	1a	993	G	2.3
32	2a	1222	G	2.3
41	1j	32	ALA	2.3
33	2b	228	GLY	2.3
38	2g	81	GLY	2.3
43	2l	72	GLY	2.3
14	2S	61	ASN	2.3
34	1c	196	LEU	2.3
54	2w	212	LEU	2.3
32	1a	389	A	2.3
32	2a	1092	A	2.3
41	1j	42	THR	2.3
41	2j	60	ARG	2.3
44	1m	65	LYS	2.3
47	1p	68	ASP	2.3
8	2I	33	ARG	2.3
48	1q	91	ARG	2.3
1	1A	2163	C	2.3
32	1a	63	C	2.3
50	2s	59	PRO	2.3
7	1H	133	VAL	2.3
7	2H	114	VAL	2.3
34	1c	70	VAL	2.3
54	1w	242	VAL	2.3
50	1s	10	PHE	2.3
50	1s	74	PHE	2.3
44	2m	22	ILE	2.3
12	1Q	107	ALA	2.3
26	14	54	GLY	2.3
1	2A	2122	U	2.3
3	2D	276	LYS	2.3
20	2Y	81	LYS	2.3
40	1i	11	LYS	2.3
41	1j	57	LYS	2.3
1	2A	2793	G	2.3

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Mol	Chain	Res	Type	RSRZ
8	2I	85	GLU	2.3
11	2P	65	ARG	2.3
40	2i	92	TYR	2.3
32	1a	1042	G	2.3
32	1a	1274	G	2.3
32	2a	1026	G	2.3
32	2a	1031	G	2.3
39	1h	4	ASP	2.3
40	1i	91	ASP	2.3
41	1j	76	ASN	2.3
1	1A	529	A	2.3
32	2a	1286	A	2.3
7	2H	45	VAL	2.3
40	2i	41	VAL	2.3
50	2s	67	VAL	2.3
1	1A	1080	C	2.3
32	2a	1028	C	2.3
32	2a	1116	C	2.3
34	2c	157	ILE	2.3
34	1c	100	ALA	2.3
40	1i	119	ALA	2.3
40	2i	61	ALA	2.3
33	2b	38	GLY	2.3
45	2n	38	GLY	2.3
8	2I	12	LEU	2.3
33	1b	158	LEU	2.3
35	2d	108	LEU	2.3
41	2j	8	LEU	2.3
45	2n	6	LEU	2.3
33	2b	21	ARG	2.2
38	1g	4	ARG	2.2
52	1u	10	ARG	2.2
33	2b	67	THR	2.2
44	2m	21	TYR	2.2
45	1n	21	TYR	2.2
54	2w	170	THR	2.2
32	1a	223	U	2.2
33	1b	19	HIS	2.2
1	2A	1112	G	2.2
1	2A	2100	G	2.2
6	2G	38	VAL	2.2
32	1a	181	G	2.2

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Mol	Chain	Res	Type	RSRZ
32	2a	630	G	2.2
32	2a	1117	G	2.2
37	1f	90	VAL	2.2
54	2w	347	GLN	2.2
34	2c	77	ILE	2.2
47	1p	36	ILE	2.2
2	2B	26	A	2.2
53	2v	13	A	2.2
33	2b	237	ALA	2.2
40	2i	43	ALA	2.2
34	1c	197	GLY	2.2
34	2c	155	GLY	2.2
35	1d	157	LEU	2.2
41	1j	8	LEU	2.2
41	2j	40	LEU	2.2
44	2m	112	GLY	2.2
45	1n	6	LEU	2.2
54	2w	229	GLY	2.2
1	2A	888	C	2.2
1	2A	2163	C	2.2
2	2B	4	C	2.2
35	1d	153	ARG	2.2
39	1h	87	SER	2.2
47	1p	75	ARG	2.2
54	1w	182	ARG	2.2
41	2j	42	THR	2.2
41	2j	81	THR	2.2
41	2j	100	THR	2.2
50	1s	33	THR	2.2
35	1d	4	TYR	2.2
51	1t	9	ASN	2.2
54	2w	245	PRO	2.2
34	2c	76	VAL	2.2
44	1m	98	VAL	2.2
45	1n	37	PHE	2.2
49	2r	50	ILE	2.2
51	1t	100	ILE	2.2
9	2N	2	LYS	2.2
33	2b	133	LYS	2.2
44	2m	46	LYS	2.2
44	2m	65	LYS	2.2
51	2t	74	LYS	2.2

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Mol	Chain	Res	Type	RSRZ
54	2w	102	MET	2.2
11	2P	116	GLY	2.2
33	1b	118	LEU	2.2
39	2h	112	LEU	2.2
1	1A	1095	A	2.2
7	2H	101	ARG	2.2
32	1a	949	A	2.2
32	2a	1447	A	2.2
40	2i	42	ARG	2.2
40	2i	104	ARG	2.2
44	1m	108	ARG	2.2
54	1w	298	ARG	2.2
40	2i	49	PRO	2.2
41	2j	53	PRO	2.2
1	1A	1076	C	2.2
11	2P	84	ASN	2.2
14	2S	92	TYR	2.2
32	2a	1006	C	2.2
33	1b	122	PHE	2.2
40	1i	108	VAL	2.2
40	2i	70	LYS	2.2
20	2Y	105	ALA	2.2
33	1b	34	ALA	2.2
33	2b	44	LEU	2.2
40	1i	67	GLY	2.2
8	2I	48	GLU	2.2
26	24	29	PRO	2.2
21	2Z	69	THR	2.2
1	1A	1045	A	2.2
14	2S	34	HIS	2.2
32	1a	977	A	2.2
32	2a	1492	A	2.2
35	1d	123	HIS	2.2
53	2v	15	A	2.2
32	1a	1220	G	2.2
32	2a	1064	G	2.2
32	2a	1370	G	2.2
53	2v	10	G	2.2
54	2w	322	HIS	2.2
41	2j	78	ASN	2.2
26	14	22	ILE	2.2
34	1c	77	ILE	2.2

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Mol	Chain	Res	Type	RSRZ
35	1d	178	VAL	2.2
36	1e	82	VAL	2.2
36	2e	109	ILE	2.2
1	1A	1079	C	2.2
6	2G	182	LYS	2.2
32	1a	67	C	2.2
32	2a	1007	C	2.2
32	2a	1119	C	2.2
34	2c	135	LYS	2.2
45	1n	17	LYS	2.2
45	2n	50	LYS	2.2
55	1x	44	C	2.2
33	2b	196	LEU	2.2
41	2j	27	ALA	2.2
45	1n	10	ALA	2.2
45	2n	20	ALA	2.2
54	2w	265	ALA	2.2
6	2G	118	ARG	2.2
34	1c	35	GLU	2.1
50	1s	2	PRO	2.1
50	2s	64	GLU	2.1
40	2i	62	TYR	2.1
6	2G	117	PHE	2.1
21	1Z	105	VAL	2.1
8	2I	1	MET	2.1
20	1Y	1	MET	2.1
21	2Z	136	PHE	2.1
24	22	63	VAL	2.1
29	17	48	LYS	2.1
33	2b	163	PHE	2.1
38	2g	49	ILE	2.1
40	2i	127	LYS	2.1
41	2j	23	ILE	2.1
44	2m	101	GLN	2.1
47	1p	33	ILE	2.1
47	1p	51	VAL	2.1
47	2p	79	VAL	2.1
54	2w	250	VAL	2.1
1	2A	2191	G	2.1
8	1I	38	LEU	2.1
19	1X	95	LEU	2.1
28	26	11	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
32	1a	1215	G	2.1
32	1a	1222	G	2.1
32	1a	1258	G	2.1
32	2a	1224	G	2.1
32	2a	1258	G	2.1
34	2c	149	ALA	2.1
44	2m	18	ALA	2.1
50	1s	50	ALA	2.1
33	2b	36	ARG	2.1
44	2m	99	ARG	2.1
48	1q	63	ARG	2.1
35	1d	180	GLY	2.1
36	2e	85	GLY	2.1
1	1A	1509	C	2.1
32	1a	1030(B)	C	2.1
32	2a	932	C	2.1
8	2I	10	GLU	2.1
1	2A	2102	U	2.1
32	2a	1000	U	2.1
32	2a	1065	U	2.1
40	1i	7	THR	2.1
40	2i	64	THR	2.1
44	1m	109	THR	2.1
54	2w	115	THR	2.1
36	1e	92	LYS	2.1
41	2j	80	LYS	2.1
11	2P	68	GLN	2.1
34	1c	201	TYR	2.1
36	1e	117	ASP	2.1
40	2i	53	VAL	2.1
43	2l	64	TYR	2.1
44	1m	74	VAL	2.1
50	2s	80	TYR	2.1
52	2u	13	ILE	2.1
54	1w	248	ILE	2.1
6	2G	139	LEU	2.1
44	1m	48	LEU	2.1
38	2g	79	ARG	2.1
33	2b	66	GLY	2.1
40	1i	115	GLY	2.1
40	2i	6	GLY	2.1
50	2s	68	GLY	2.1

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Mol	Chain	Res	Type	RSRZ
52	1u	2	GLY	2.1
54	2w	117	GLY	2.1
1	2A	2101	G	2.1
32	1a	1017	G	2.1
32	2a	1124	G	2.1
41	1j	64	GLU	2.1
44	1m	41	PRO	2.1
1	1A	2137	C	2.1
1	2A	2161	C	2.1
1	2A	2789	C	2.1
6	2G	145	THR	2.1
32	1a	1137	C	2.1
32	1a	1397	C	2.1
7	2H	175	LYS	2.1
33	2b	22	LYS	2.1
1	1A	271(K)	U	2.1
1	2A	614(A)	U	2.1
21	2Z	146	ILE	2.1
32	1a	950	U	2.1
32	1a	1049	U	2.1
32	2a	1025	U	2.1
54	2w	276	MET	2.1
6	1G	80	PHE	2.1
33	2b	230	VAL	2.1
40	2i	26	VAL	2.1
40	2i	37	PHE	2.1
44	1m	54	VAL	2.1
50	1s	11	VAL	2.1
50	2s	53	ASN	2.1
54	2w	319	PHE	2.1
26	24	32	TYR	2.1
41	2j	58	ASP	2.1
34	1c	101	LEU	2.1
44	2m	66	LEU	2.1
45	1n	39	LEU	2.1
47	2p	60	LEU	2.1
54	2w	350	ALA	2.1
54	1w	190	GLY	2.1
1	1A	1096	A	2.1
1	2A	2176	A	2.1
8	2I	133	HIS	2.1
32	1a	1261	A	2.1

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Mol	Chain	Res	Type	RSRZ
54	1w	193	HIS	2.1
48	1q	100	LYS	2.1
6	2G	155	MET	2.1
40	2i	103	THR	2.1
50	2s	77	THR	2.1
41	1j	35	SER	2.1
51	1t	55	ILE	2.1
1	2A	1533	G	2.1
1	2A	2184	G	2.1
1	2A	2321	G	2.1
4	2E	59	VAL	2.1
5	2F	89	VAL	2.1
21	2Z	42	VAL	2.1
24	22	70	GLN	2.1
26	14	50	VAL	2.1
32	1a	64	G	2.1
32	1a	156	G	2.1
32	1a	1030(C)	G	2.1
32	2a	1283	G	2.1
38	2g	21	VAL	2.1
39	2h	31	PHE	2.1
44	2m	17	VAL	2.1
54	1w	109	VAL	2.1
1	2A	277	C	2.1
1	2A	885	C	2.1
1	2A	889	C	2.1
14	1S	4	LEU	2.1
24	22	24	LEU	2.1
32	1a	221	C	2.1
32	1a	979	C	2.1
32	1a	1043	C	2.1
32	2a	1195	C	2.1
33	1b	196	LEU	2.1
34	1c	47	LEU	2.1
40	1i	102	LEU	2.1
41	1j	69	ASN	2.1
44	2m	106	ASN	2.1
1	1A	1065	U	2.1
44	1m	23	TYR	2.1
19	2X	68	ARG	2.1
45	1n	35	ARG	2.1
8	2I	53	ALA	2.1

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Mol	Chain	Res	Type	RSRZ
33	1b	188	ALA	2.1
44	1m	18	ALA	2.1
54	1w	350	ALA	2.1
44	1m	113	PRO	2.0
33	1b	128	GLU	2.0
40	2i	112	LYS	2.0
50	2s	70	LYS	2.0
52	2u	3	LYS	2.0
54	1w	322	HIS	2.0
44	1m	116	THR	2.0
50	1s	49	ILE	2.0
1	2A	2171	A	2.0
2	2B	120	A	2.0
6	2G	76	SER	2.0
26	24	59	PHE	2.0
34	2c	138	VAL	2.0
37	1f	60	PHE	2.0
40	1i	109	VAL	2.0
41	1j	54	PHE	2.0
47	1p	11	SER	2.0
50	2s	9	VAL	2.0
34	1c	33	LEU	2.0
51	1t	62	LEU	2.0
54	1w	266	LEU	2.0
54	2w	351	LEU	2.0
14	1S	3	ARG	2.0
26	24	61	ARG	2.0
33	1b	37	ASN	2.0
51	1t	8	ARG	2.0
38	1g	85	TYR	2.0
40	1i	62	TYR	2.0
44	2m	23	TYR	2.0
8	2I	55	ALA	2.0
21	2Z	51	ALA	2.0
38	2g	145	ALA	2.0
40	1i	82	ALA	2.0
41	2j	18	ALA	2.0
51	1t	76	ALA	2.0
1	1A	12	U	2.0
1	2A	2189	U	2.0
32	1a	65	U	2.0
32	1a	111	G	2.0

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Mol	Chain	Res	Type	RSRZ
32	1a	159	G	2.0
32	1a	450	G	2.0
32	1a	991	U	2.0
32	1a	1047	G	2.0
32	1a	1212	U	2.0
32	2a	1040	U	2.0
36	1e	85	GLY	2.0
44	1m	24	GLY	2.0
54	1w	228	GLY	2.0
1	1A	2794	C	2.0
32	1a	1223	C	2.0
32	2a	1039	C	2.0
32	2a	1397	C	2.0
41	2j	91	PRO	2.0
44	2m	97	PRO	2.0
42	2k	123	LYS	2.0
44	1m	31	LYS	2.0
6	2G	64	THR	2.0
34	2c	152	ILE	2.0
40	1i	64	THR	2.0
47	1p	22	THR	2.0
14	2S	54	LEU	2.0
33	1b	10	LEU	2.0
34	1c	153	VAL	2.0
41	1j	90	LEU	2.0
45	2n	37	PHE	2.0
46	2o	15	PHE	2.0
54	1w	189	GLN	2.0
54	2w	127	LEU	2.0
54	2w	324	LEU	2.0
11	2P	79	ARG	2.0
19	2X	65	ARG	2.0
48	1q	99	SER	2.0
54	1w	310	SER	2.0
6	1G	146	TYR	2.0
26	14	67	TYR	2.0
32	2a	974	A	2.0
32	2a	975	A	2.0
33	2b	148	TYR	2.0
34	2c	62	ASP	2.0

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95^{th} 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
55	H2U	2x	21	20/21	0.64	0.15	85,95,104,117	0
55	H2U	2x	20	20/21	0.68	0.13	80,92,100,105	0
55	H2U	1x	21	20/21	0.74	0.15	90,94,100,109	0
55	PSU	2x	55	20/21	0.79	0.11	77,82,86,90	0
55	H2U	1x	20	20/21	0.80	0.11	78,87,93,97	0
55	5MU	2x	54	21/22	0.83	0.12	79,84,89,101	0
55	PSU	1x	55	20/21	0.86	0.11	74,78,85,92	0
55	5MU	1x	54	21/22	0.87	0.12	72,81,84,92	0
55	4SU	2x	8	20/21	0.87	0.11	79,83,87,88	0
1	5MU	2A	1915	21/22	0.88	0.11	67,76,83,92	0
55	MIA	2x	37	22/30	0.88	0.12	70,77,80,83	0
43	0TD	1l	92	10/11	0.89	0.13	55,62,65,75	0
32	2MG	1a	1207	24/25	0.89	0.13	73,81,90,91	0
55	PSU	1x	32	20/21	0.89	0.11	67,75,79,79	0
32	2MG	2a	1207	24/25	0.89	0.11	76,81,85,90	0
32	PSU	2a	516	20/21	0.90	0.10	66,78,82,82	0
55	PSU	2x	39	20/21	0.91	0.09	67,76,80,81	0
54	MEQ	1w	230	10/11	0.91	0.16	38,56,64,64	0
54	MEQ	2w	230	10/11	0.91	0.20	56,71,75,84	0
55	PSU	2x	32	20/21	0.91	0.10	71,75,80,81	0
32	M2G	2a	966	25/26	0.91	0.16	62,71,84,88	0
32	5MC	2a	967	21/22	0.92	0.14	61,69,77,87	0
1	PSU	2A	1911	20/21	0.92	0.10	56,61,68,69	0
32	4OC	2a	1402	22/23	0.93	0.12	56,65,70,76	0
1	5MU	1A	1915	21/22	0.93	0.10	52,63,68,74	0
55	4SU	1x	8	20/21	0.93	0.10	62,71,78,84	0
32	M2G	1a	966	25/26	0.93	0.10	59,66,75,79	0
32	5MC	1a	967	21/22	0.93	0.12	61,67,75,77	0
55	MIA	1x	37	22/30	0.93	0.10	59,65,70,73	0
32	G7M	2a	527	24/25	0.94	0.10	59,64,67,72	0
43	0TD	2l	92	10/11	0.94	0.10	61,66,68,84	0
32	5MC	1a	1400	21/22	0.94	0.12	53,61,68,69	0
32	G7M	1a	527	24/25	0.94	0.11	53,61,68,70	0
32	PSU	1a	516	20/21	0.94	0.09	65,74,78,81	0
32	5MC	2a	1400	21/22	0.94	0.12	68,71,75,78	0
1	PSU	1A	1911	20/21	0.95	0.09	41,54,60,62	0
32	5MC	2a	1404	21/22	0.95	0.09	52,56,63,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
32	MA6	2a	1518	24/25	0.95	0.10	47,63,66,69	0
32	5MC	1a	1404	21/22	0.95	0.10	44,49,54,57	0
32	4OC	1a	1402	22/23	0.96	0.09	48,54,58,60	0
1	PSU	1A	1917	20/21	0.96	0.07	48,56,60,61	0
1	OMC	2A	1920	21/22	0.96	0.09	56,61,66,69	0
55	PSU	1x	39	20/21	0.96	0.07	55,64,70,71	0
32	5MC	2a	1407	21/22	0.96	0.09	47,56,59,63	0
32	UR3	2a	1498	21/22	0.96	0.09	49,57,60,67	0
1	5MC	2A	1942	21/22	0.96	0.09	48,54,58,60	0
32	MA6	2a	1519	24/25	0.96	0.12	51,62,68,70	0
1	5MC	2A	1962	21/22	0.96	0.08	38,48,53,58	0
1	OMG	2A	2251	24/25	0.97	0.08	32,42,46,48	0
1	2MA	2A	2503	23/24	0.97	0.08	26,38,41,45	0
1	PSU	2A	2605	20/21	0.97	0.07	27,37,43,46	0
1	PSU	1A	2605	20/21	0.97	0.07	25,29,34,41	0
32	5MC	1a	1407	21/22	0.97	0.09	38,46,52,55	0
32	UR3	1a	1498	21/22	0.97	0.07	45,51,53,54	0
1	PSU	2A	1917	20/21	0.97	0.06	57,65,71,76	0
32	MA6	1a	1518	24/25	0.97	0.09	41,47,50,52	0
1	5MU	2A	1939	21/22	0.97	0.08	31,40,44,45	0
32	MA6	1a	1519	24/25	0.97	0.09	41,46,49,54	0
1	5MC	1A	1942	21/22	0.97	0.08	33,39,45,54	0
1	OMG	1A	2251	24/25	0.98	0.06	23,27,29,31	0
1	2MA	1A	2503	23/24	0.98	0.06	15,20,23,26	0
1	OMU	1A	2552	21/22	0.98	0.07	25,30,33,36	0
1	OMU	2A	2552	21/22	0.98	0.07	33,41,46,50	0
1	5MU	1A	1939	21/22	0.98	0.06	22,27,32,32	0
1	OMC	1A	1920	21/22	0.98	0.07	42,50,53,53	0
1	5MC	1A	1962	21/22	0.98	0.06	26,33,40,54	0

5.3 Carbohydrates (i)

There are no monosaccharides 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(Å^2)	Q<0.9
56	MG	1B	235	1/1	0.56	0.21	70,70,70,70	0
56	MG	1a	1781	1/1	0.57	0.18	91,91,91,91	0
56	MG	2A	3723	1/1	0.57	0.23	75,75,75,75	0
56	MG	2B	220	1/1	0.57	0.25	80,80,80,80	0
56	MG	2A	3656	1/1	0.62	0.21	79,79,79,79	0
56	MG	1A	4006	1/1	0.63	0.18	74,74,74,74	0
56	MG	2j	201	1/1	0.64	0.15	78,78,78,78	0
56	MG	1a	1664	1/1	0.65	0.19	83,83,83,83	0
56	MG	1a	1824	1/1	0.65	0.24	80,80,80,80	0
56	MG	1a	1813	1/1	0.66	0.16	89,89,89,89	0
56	MG	1a	1643	1/1	0.69	0.34	78,78,78,78	0
56	MG	2a	1750	1/1	0.69	0.22	92,92,92,92	0
56	MG	1l	202	1/1	0.69	0.11	75,75,75,75	0
56	MG	2A	3867	1/1	0.70	0.15	79,79,79,79	0
56	MG	1A	3028	1/1	0.70	0.20	69,69,69,69	0
56	MG	1a	1786	1/1	0.71	0.16	85,85,85,85	0
56	MG	1O	201	1/1	0.71	0.20	64,64,64,64	0
56	MG	1a	1676	1/1	0.72	0.24	73,73,73,73	0
56	MG	1a	1681	1/1	0.72	0.16	76,76,76,76	0
56	MG	1A	3829	1/1	0.72	0.18	54,54,54,54	0
56	MG	2A	3740	1/1	0.72	0.17	73,73,73,73	0
56	MG	1a	1700	1/1	0.73	0.29	76,76,76,76	0
56	MG	2A	3759	1/1	0.73	0.21	52,52,52,52	0
56	MG	1a	1734	1/1	0.73	0.28	90,90,90,90	0
56	MG	2A	3678	1/1	0.73	0.23	69,69,69,69	0
56	MG	2A	3707	1/1	0.73	0.18	57,57,57,57	0
56	MG	2g	201	1/1	0.73	0.15	78,78,78,78	0
56	MG	1A	3255	1/1	0.73	0.25	66,66,66,66	0
56	MG	1a	1733	1/1	0.74	0.56	87,87,87,87	0
56	MG	2A	3366	1/1	0.74	0.23	78,78,78,78	0
56	MG	2a	1657	1/1	0.74	0.30	64,64,64,64	0
56	MG	2a	1678	1/1	0.74	0.33	73,73,73,73	0
56	MG	2a	1694	1/1	0.74	0.44	76,76,76,76	0
56	MG	2A	3453	1/1	0.74	0.23	67,67,67,67	0
56	MG	2A	3464	1/1	0.74	0.34	83,83,83,83	0
56	MG	1A	3989	1/1	0.74	0.16	42,42,42,42	0
56	MG	1V	201	1/1	0.75	0.36	53,53,53,53	0
56	MG	2A	3216	1/1	0.75	0.18	67,67,67,67	0
56	MG	2A	3568	1/1	0.75	0.23	86,86,86,86	0
56	MG	2a	1681	1/1	0.75	0.21	78,78,78,78	0
56	MG	2A	3622	1/1	0.75	0.32	70,70,70,70	0
56	MG	1A	3344	1/1	0.75	0.20	70,70,70,70	0
56	MG	2A	3673	1/1	0.75	0.19	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2B	209	1/1	0.75	0.24	69,69,69,69	0
56	MG	1a	1778	1/1	0.76	0.27	64,64,64,64	0
56	MG	2A	3869	1/1	0.76	0.19	80,80,80,80	0
56	MG	1A	3984	1/1	0.76	0.23	69,69,69,69	0
56	MG	1a	1711	1/1	0.76	0.35	74,74,74,74	0
56	MG	2a	1634	1/1	0.76	0.23	69,69,69,69	0
56	MG	1a	1796	1/1	0.76	0.14	64,64,64,64	0
56	MG	1A	3082	1/1	0.77	0.17	64,64,64,64	0
56	MG	1A	3515	1/1	0.77	0.21	73,73,73,73	0
56	MG	2A	3119	1/1	0.77	0.19	64,64,64,64	0
56	MG	2A	3853	1/1	0.77	0.24	76,76,76,76	0
56	MG	1a	1696	1/1	0.77	0.14	67,67,67,67	0
56	MG	2A	3360	1/1	0.77	0.14	68,68,68,68	0
56	MG	1a	1810	1/1	0.77	0.12	76,76,76,76	0
56	MG	1A	3647	1/1	0.77	0.21	74,74,74,74	0
56	MG	2j	202	1/1	0.77	0.10	76,76,76,76	0
56	MG	1A	3206	1/1	0.78	0.14	57,57,57,57	0
56	MG	1a	1607	1/1	0.78	0.12	80,80,80,80	0
56	MG	1a	1702	1/1	0.78	0.36	75,75,75,75	0
56	MG	2B	211	1/1	0.78	0.21	67,67,67,67	0
56	MG	2B	215	1/1	0.78	0.19	70,70,70,70	0
56	MG	1A	3716	1/1	0.78	0.23	76,76,76,76	0
56	MG	1a	1714	1/1	0.78	0.13	65,65,65,65	0
56	MG	1a	1652	1/1	0.78	0.36	77,77,77,77	0
56	MG	1v	102	1/1	0.78	0.16	81,81,81,81	0
56	MG	2A	3099	1/1	0.78	0.30	75,75,75,75	0
56	MG	2A	3713	1/1	0.78	0.26	69,69,69,69	0
56	MG	2a	1722	1/1	0.78	0.18	71,71,71,71	0
56	MG	2a	1735	1/1	0.78	0.18	84,84,84,84	0
56	MG	1A	3303	1/1	0.78	0.18	53,53,53,53	0
56	MG	1a	1769	1/1	0.78	0.24	73,73,73,73	0
56	MG	1A	3850	1/1	0.78	0.14	62,62,62,62	0
56	MG	1A	3968	1/1	0.78	0.18	72,72,72,72	0
56	MG	1G	204	1/1	0.79	0.13	61,61,61,61	0
56	MG	2B	207	1/1	0.79	0.18	72,72,72,72	0
56	MG	1A	3916	1/1	0.79	0.12	25,25,25,25	0
56	MG	1A	3752	1/1	0.79	0.19	51,51,51,51	0
56	MG	2A	3504	1/1	0.79	0.20	57,57,57,57	0
56	MG	1A	3409	1/1	0.79	0.38	53,53,53,53	0
56	MG	1A	3843	1/1	0.79	0.15	55,55,55,55	0
56	MG	1a	1645	1/1	0.79	0.18	78,78,78,78	0
56	MG	1A	3298	1/1	0.79	0.26	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1B	230	1/1	0.79	0.23	65,65,65,65	0
56	MG	1a	1775	1/1	0.79	0.19	73,73,73,73	0
56	MG	1B	231	1/1	0.79	0.26	67,67,67,67	0
56	MG	2A	3280	1/1	0.79	0.14	48,48,48,48	0
56	MG	2A	3283	1/1	0.79	0.13	69,69,69,69	0
56	MG	2A	3290	1/1	0.79	0.20	56,56,56,56	0
56	MG	2A	3304	1/1	0.79	0.21	63,63,63,63	0
56	MG	1A	3888	1/1	0.79	0.19	52,52,52,52	0
56	MG	1A	3465	1/1	0.80	0.20	64,64,64,64	0
56	MG	1A	3869	1/1	0.80	0.21	64,64,64,64	0
56	MG	2A	3586	1/1	0.80	0.21	71,71,71,71	0
56	MG	2A	3267	1/1	0.80	0.18	81,81,81,81	0
56	MG	2A	3655	1/1	0.80	0.18	80,80,80,80	0
56	MG	1A	3199	1/1	0.80	0.20	56,56,56,56	0
56	MG	2A	3666	1/1	0.80	0.20	68,68,68,68	0
56	MG	2W	202	1/1	0.80	0.19	63,63,63,63	0
56	MG	1a	1760	1/1	0.80	0.28	77,77,77,77	0
56	MG	1A	4064	1/1	0.80	0.21	58,58,58,58	0
56	MG	2A	3298	1/1	0.80	0.24	73,73,73,73	0
56	MG	1A	3908	1/1	0.80	0.11	68,68,68,68	0
56	MG	1A	3524	1/1	0.80	0.13	72,72,72,72	0
56	MG	2a	1717	1/1	0.80	0.20	74,74,74,74	0
56	MG	2A	3737	1/1	0.80	0.15	64,64,64,64	0
56	MG	2A	3087	1/1	0.80	0.25	63,63,63,63	0
56	MG	2A	3750	1/1	0.80	0.19	71,71,71,71	0
56	MG	2A	3089	1/1	0.80	0.15	69,69,69,69	0
56	MG	2A	3781	1/1	0.80	0.16	78,78,78,78	0
56	MG	1A	3327	1/1	0.80	0.25	58,58,58,58	0
56	MG	2r	102	1/1	0.80	0.31	80,80,80,80	0
56	MG	1O	205	1/1	0.81	0.16	73,73,73,73	0
56	MG	1A	4000	1/1	0.81	0.12	31,31,31,31	0
56	MG	1a	1708	1/1	0.81	0.20	70,70,70,70	0
56	MG	2A	3760	1/1	0.81	0.17	69,69,69,69	0
56	MG	2A	3379	1/1	0.81	0.30	69,69,69,69	0
56	MG	2A	3789	1/1	0.81	0.14	85,85,85,85	0
56	MG	2A	3815	1/1	0.81	0.15	53,53,53,53	0
56	MG	2A	3391	1/1	0.81	0.31	54,54,54,54	0
56	MG	2A	3393	1/1	0.81	0.13	67,67,67,67	0
56	MG	2A	3451	1/1	0.81	0.36	80,80,80,80	0
56	MG	1Y	201	1/1	0.81	0.14	62,62,62,62	0
56	MG	1A	3759	1/1	0.81	0.22	66,66,66,66	0
56	MG	2A	3502	1/1	0.81	0.18	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1x	112	1/1	0.81	0.15	77,77,77,77	0
56	MG	2A	3535	1/1	0.81	0.17	65,65,65,65	0
56	MG	2A	3030	1/1	0.81	0.27	55,55,55,55	0
56	MG	1a	1728	1/1	0.81	0.27	75,75,75,75	0
56	MG	1a	1637	1/1	0.81	0.29	87,87,87,87	0
56	MG	2A	3650	1/1	0.81	0.20	59,59,59,59	0
56	MG	2A	3653	1/1	0.81	0.27	67,67,67,67	0
56	MG	1A	4023	1/1	0.81	0.17	60,60,60,60	0
56	MG	1A	3811	1/1	0.81	0.27	64,64,64,64	0
56	MG	2A	3197	1/1	0.81	0.27	69,69,69,69	0
56	MG	2a	1730	1/1	0.81	0.25	69,69,69,69	0
56	MG	1A	3661	1/1	0.81	0.17	57,57,57,57	0
56	MG	2a	1746	1/1	0.81	0.29	74,74,74,74	0
56	MG	1a	1653	1/1	0.81	0.24	81,81,81,81	0
56	MG	2a	1757	1/1	0.81	0.27	66,66,66,66	0
56	MG	1A	3934	1/1	0.81	0.11	21,21,21,21	0
56	MG	1A	3614	1/1	0.81	0.11	29,29,29,29	0
56	MG	1A	3717	1/1	0.81	0.23	61,61,61,61	0
56	MG	1A	3498	1/1	0.81	0.26	75,75,75,75	0
56	MG	2x	101	1/1	0.81	0.35	82,82,82,82	0
56	MG	1a	1602	1/1	0.82	0.38	75,75,75,75	0
56	MG	2A	3565	1/1	0.82	0.15	53,53,53,53	0
56	MG	1A	4059	1/1	0.82	0.15	46,46,46,46	0
56	MG	2A	3239	1/1	0.82	0.09	46,46,46,46	0
56	MG	2A	3589	1/1	0.82	0.26	74,74,74,74	0
56	MG	1A	3341	1/1	0.82	0.24	74,74,74,74	0
56	MG	1A	3535	1/1	0.82	0.09	61,61,61,61	0
56	MG	1A	3586	1/1	0.82	0.25	61,61,61,61	0
56	MG	2A	3286	1/1	0.82	0.19	76,76,76,76	0
56	MG	1A	3728	1/1	0.82	0.18	54,54,54,54	0
56	MG	2a	1654	1/1	0.82	0.28	79,79,79,79	0
56	MG	1A	3133	1/1	0.82	0.14	68,68,68,68	0
56	MG	2a	1665	1/1	0.82	0.28	62,62,62,62	0
56	MG	1A	3873	1/1	0.82	0.12	26,26,26,26	0
56	MG	2a	1679	1/1	0.82	0.42	68,68,68,68	0
56	MG	2A	3353	1/1	0.82	0.19	72,72,72,72	0
56	MG	2A	3699	1/1	0.82	0.18	69,69,69,69	0
56	MG	1a	1753	1/1	0.82	0.19	79,79,79,79	0
56	MG	2A	3020	1/1	0.82	0.19	55,55,55,55	0
56	MG	2A	3024	1/1	0.82	0.20	62,62,62,62	0
56	MG	1A	3184	1/1	0.82	0.22	59,59,59,59	0
56	MG	2A	3739	1/1	0.82	0.12	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3787	1/1	0.82	0.14	72,72,72,72	0
56	MG	1a	1682	1/1	0.82	0.41	74,74,74,74	0
56	MG	1A	4050	1/1	0.82	0.11	64,64,64,64	0
56	MG	1a	1780	1/1	0.82	0.23	76,76,76,76	0
56	MG	2A	3151	1/1	0.82	0.22	61,61,61,61	0
56	MG	2l	202	1/1	0.82	0.10	74,74,74,74	0
56	MG	2A	3170	1/1	0.82	0.22	80,80,80,80	0
56	MG	2A	3505	1/1	0.82	0.13	35,35,35,35	0
56	MG	1a	1741	1/1	0.83	0.18	58,58,58,58	0
56	MG	1A	3854	1/1	0.83	0.30	43,43,43,43	0
56	MG	1a	1679	1/1	0.83	0.21	72,72,72,72	0
56	MG	1A	3338	1/1	0.83	0.28	66,66,66,66	0
56	MG	1A	3644	1/1	0.83	0.17	52,52,52,52	0
56	MG	1B	217	1/1	0.83	0.14	54,54,54,54	0
56	MG	2a	1630	1/1	0.83	0.43	72,72,72,72	0
56	MG	2A	3100	1/1	0.83	0.34	66,66,66,66	0
56	MG	2A	3105	1/1	0.83	0.26	73,73,73,73	0
56	MG	1A	3512	1/1	0.83	0.16	65,65,65,65	0
56	MG	1a	1609	1/1	0.83	0.29	85,85,85,85	0
56	MG	2A	3167	1/1	0.83	0.14	71,71,71,71	0
56	MG	1A	3375	1/1	0.83	0.36	77,77,77,77	0
56	MG	1A	3909	1/1	0.83	0.13	63,63,63,63	0
56	MG	1E	312	1/1	0.83	0.21	52,52,52,52	0
56	MG	2A	3528	1/1	0.83	0.16	60,60,60,60	0
56	MG	1a	1727	1/1	0.83	0.32	75,75,75,75	0
56	MG	2A	3263	1/1	0.83	0.24	63,63,63,63	0
56	MG	1A	4015	1/1	0.83	0.21	75,75,75,75	0
56	MG	2A	3814	1/1	0.83	0.20	75,75,75,75	0
56	MG	1l	201	1/1	0.83	0.16	72,72,72,72	0
56	MG	2A	3842	1/1	0.83	0.23	70,70,70,70	0
56	MG	2a	1764	1/1	0.83	0.13	58,58,58,58	0
56	MG	2a	1774	1/1	0.83	0.11	65,65,65,65	0
56	MG	2A	3845	1/1	0.83	0.14	85,85,85,85	0
56	MG	2A	3851	1/1	0.83	0.17	50,50,50,50	0
56	MG	1A	3703	1/1	0.83	0.11	22,22,22,22	0
56	MG	1O	204	1/1	0.83	0.14	56,56,56,56	0
56	MG	1a	1737	1/1	0.83	0.43	73,73,73,73	0
56	MG	2B	202	1/1	0.83	0.16	67,67,67,67	0
56	MG	1a	1678	1/1	0.84	0.20	72,72,72,72	0
56	MG	2A	3680	1/1	0.84	0.24	67,67,67,67	0
56	MG	1A	3256	1/1	0.84	0.12	56,56,56,56	0
56	MG	2D	302	1/1	0.84	0.20	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3714	1/1	0.84	0.27	65,65,65,65	0
56	MG	2a	1615	1/1	0.84	0.24	58,58,58,58	0
56	MG	2A	3712	1/1	0.84	0.13	75,75,75,75	0
56	MG	1A	3076	1/1	0.84	0.16	66,66,66,66	0
56	MG	1a	1694	1/1	0.84	0.22	63,63,63,63	0
56	MG	2A	3735	1/1	0.84	0.19	75,75,75,75	0
56	MG	1a	1614	1/1	0.84	0.16	75,75,75,75	0
56	MG	1a	1626	1/1	0.84	0.27	64,64,64,64	0
56	MG	2A	3282	1/1	0.84	0.10	66,66,66,66	0
56	MG	1A	3804	1/1	0.84	0.13	59,59,59,59	0
56	MG	2a	1692	1/1	0.84	0.40	73,73,73,73	0
56	MG	1A	3980	1/1	0.84	0.20	70,70,70,70	0
56	MG	2a	1715	1/1	0.84	0.18	68,68,68,68	0
56	MG	2A	3561	1/1	0.84	0.14	60,60,60,60	0
56	MG	2A	3764	1/1	0.84	0.21	71,71,71,71	0
56	MG	2A	3287	1/1	0.84	0.17	66,66,66,66	0
56	MG	1A	3393	1/1	0.84	0.10	67,67,67,67	0
56	MG	2A	3577	1/1	0.84	0.18	61,61,61,61	0
56	MG	1A	3827	1/1	0.84	0.21	45,45,45,45	0
56	MG	2A	3301	1/1	0.84	0.28	62,62,62,62	0
56	MG	1a	1725	1/1	0.84	0.34	80,80,80,80	0
56	MG	1B	229	1/1	0.84	0.20	67,67,67,67	0
56	MG	2A	3356	1/1	0.84	0.16	63,63,63,63	0
56	MG	2A	3358	1/1	0.84	0.29	70,70,70,70	0
56	MG	1A	3663	1/1	0.84	0.09	27,27,27,27	0
56	MG	2A	3164	1/1	0.84	0.28	52,52,52,52	0
56	MG	16	102	1/1	0.84	0.27	54,54,54,54	0
56	MG	2A	3675	1/1	0.84	0.23	79,79,79,79	0
56	MG	2A	3050	1/1	0.85	0.29	75,75,75,75	0
56	MG	2A	3581	1/1	0.85	0.22	61,61,61,61	0
56	MG	2A	3063	1/1	0.85	0.27	75,75,75,75	0
56	MG	2A	3296	1/1	0.85	0.12	61,61,61,61	0
56	MG	1A	3812	1/1	0.85	0.14	43,43,43,43	0
56	MG	1a	1766	1/1	0.85	0.20	68,68,68,68	0
56	MG	1A	3415	1/1	0.85	0.32	68,68,68,68	0
56	MG	2B	204	1/1	0.85	0.21	76,76,76,76	0
56	MG	2A	3330	1/1	0.85	0.15	74,74,74,74	0
56	MG	1B	202	1/1	0.85	0.23	62,62,62,62	0
56	MG	2A	3664	1/1	0.85	0.16	49,49,49,49	0
56	MG	2A	3665	1/1	0.85	0.15	54,54,54,54	0
56	MG	1B	211	1/1	0.85	0.24	53,53,53,53	0
56	MG	2A	3672	1/1	0.85	0.28	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2N	201	1/1	0.85	0.11	81,81,81,81	0
56	MG	1A	3541	1/1	0.85	0.29	68,68,68,68	0
56	MG	1A	3971	1/1	0.85	0.10	69,69,69,69	0
56	MG	2A	3362	1/1	0.85	0.13	65,65,65,65	0
56	MG	2A	3152	1/1	0.85	0.22	65,65,65,65	0
56	MG	2A	3692	1/1	0.85	0.17	82,82,82,82	0
56	MG	2A	3160	1/1	0.85	0.31	75,75,75,75	0
56	MG	1A	3979	1/1	0.85	0.09	28,28,28,28	0
56	MG	1A	3542	1/1	0.85	0.16	61,61,61,61	0
56	MG	2A	3396	1/1	0.85	0.10	71,71,71,71	0
56	MG	2A	3717	1/1	0.85	0.16	62,62,62,62	0
56	MG	2A	3720	1/1	0.85	0.22	68,68,68,68	0
56	MG	1A	3569	1/1	0.85	0.19	75,75,75,75	0
56	MG	2A	3731	1/1	0.85	0.14	48,48,48,48	0
56	MG	1A	3683	1/1	0.85	0.13	74,74,74,74	0
56	MG	1F	310	1/1	0.85	0.10	58,58,58,58	0
56	MG	2a	1723	1/1	0.85	0.16	74,74,74,74	0
56	MG	2A	3491	1/1	0.85	0.14	58,58,58,58	0
56	MG	1A	3775	1/1	0.85	0.17	59,59,59,59	0
56	MG	1A	3684	1/1	0.85	0.14	54,54,54,54	0
56	MG	2A	3753	1/1	0.85	0.14	74,74,74,74	0
56	MG	1a	1668	1/1	0.85	0.26	71,71,71,71	0
56	MG	1a	1735	1/1	0.85	0.40	69,69,69,69	0
56	MG	1A	3794	1/1	0.85	0.27	57,57,57,57	0
56	MG	2A	3773	1/1	0.85	0.20	59,59,59,59	0
56	MG	2A	3778	1/1	0.85	0.12	60,60,60,60	0
56	MG	2A	3551	1/1	0.85	0.24	75,75,75,75	0
56	MG	1A	3401	1/1	0.85	0.13	48,48,48,48	0
56	MG	2A	3284	1/1	0.85	0.13	65,65,65,65	0
56	MG	2v	101	1/1	0.85	0.35	70,70,70,70	0
56	MG	1A	3029	1/1	0.85	0.16	71,71,71,71	0
56	MG	1A	3233	1/1	0.86	0.17	57,57,57,57	0
56	MG	2A	3266	1/1	0.86	0.19	79,79,79,79	0
56	MG	1a	1821	1/1	0.86	0.13	68,68,68,68	0
56	MG	2A	3821	1/1	0.86	0.08	80,80,80,80	0
56	MG	2A	3570	1/1	0.86	0.15	72,72,72,72	0
56	MG	2A	3276	1/1	0.86	0.31	71,71,71,71	0
56	MG	1A	3905	1/1	0.86	0.12	43,43,43,43	0
56	MG	1A	3480	1/1	0.86	0.12	52,52,52,52	0
56	MG	2A	3855	1/1	0.86	0.15	56,56,56,56	0
56	MG	1A	3135	1/1	0.86	0.10	32,32,32,32	0
56	MG	1a	1723	1/1	0.86	0.09	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1v	103	1/1	0.86	0.13	61,61,61,61	0
56	MG	1a	1624	1/1	0.86	0.32	71,71,71,71	0
56	MG	1A	3167	1/1	0.86	0.29	68,68,68,68	0
56	MG	1a	1633	1/1	0.86	0.28	66,66,66,66	0
56	MG	1a	1732	1/1	0.86	0.11	75,75,75,75	0
56	MG	1A	3358	1/1	0.86	0.12	48,48,48,48	0
56	MG	2B	216	1/1	0.86	0.12	70,70,70,70	0
56	MG	1B	224	1/1	0.86	0.10	57,57,57,57	0
56	MG	2A	3671	1/1	0.86	0.12	51,51,51,51	0
56	MG	2A	3073	1/1	0.86	0.24	69,69,69,69	0
56	MG	2A	3341	1/1	0.86	0.17	63,63,63,63	0
56	MG	2W	203	1/1	0.86	0.19	45,45,45,45	0
56	MG	2a	1603	1/1	0.86	0.29	81,81,81,81	0
56	MG	1A	3264	1/1	0.86	0.18	71,71,71,71	0
56	MG	2a	1624	1/1	0.86	0.35	72,72,72,72	0
56	MG	2A	3677	1/1	0.86	0.14	49,49,49,49	0
56	MG	1a	1736	1/1	0.86	0.30	65,65,65,65	0
56	MG	2a	1650	1/1	0.86	0.21	66,66,66,66	0
56	MG	2a	1651	1/1	0.86	0.23	69,69,69,69	0
56	MG	1A	3097	1/1	0.86	0.17	55,55,55,55	0
56	MG	2A	3689	1/1	0.86	0.17	58,58,58,58	0
56	MG	1A	3690	1/1	0.86	0.14	69,69,69,69	0
56	MG	1A	3694	1/1	0.86	0.11	27,27,27,27	0
56	MG	2A	3114	1/1	0.86	0.30	63,63,63,63	0
56	MG	1A	3982	1/1	0.86	0.14	54,54,54,54	0
56	MG	2a	1690	1/1	0.86	0.45	78,78,78,78	0
56	MG	2A	3388	1/1	0.86	0.18	60,60,60,60	0
56	MG	1a	1670	1/1	0.86	0.20	78,78,78,78	0
56	MG	2a	1713	1/1	0.86	0.24	56,56,56,56	0
56	MG	1A	3103	1/1	0.86	0.22	64,64,64,64	0
56	MG	1A	3709	1/1	0.86	0.13	33,33,33,33	0
56	MG	1A	3063	1/1	0.86	0.23	54,54,54,54	0
56	MG	2A	3732	1/1	0.86	0.11	57,57,57,57	0
56	MG	2A	3733	1/1	0.86	0.15	70,70,70,70	0
56	MG	1A	3337	1/1	0.86	0.21	57,57,57,57	0
56	MG	2a	1737	1/1	0.86	0.30	69,69,69,69	0
56	MG	2a	1738	1/1	0.86	0.12	71,71,71,71	0
56	MG	1A	4012	1/1	0.86	0.15	62,62,62,62	0
56	MG	2A	3484	1/1	0.86	0.19	63,63,63,63	0
56	MG	1A	3421	1/1	0.86	0.14	69,69,69,69	0
56	MG	2a	1759	1/1	0.86	0.28	58,58,58,58	0
56	MG	2a	1761	1/1	0.86	0.20	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1763	1/1	0.86	0.19	70,70,70,70	0
56	MG	1A	3603	1/1	0.86	0.13	59,59,59,59	0
56	MG	2A	3221	1/1	0.86	0.17	75,75,75,75	0
56	MG	2A	3754	1/1	0.86	0.17	68,68,68,68	0
56	MG	1A	4048	1/1	0.86	0.12	55,55,55,55	0
56	MG	2A	3517	1/1	0.86	0.37	81,81,81,81	0
56	MG	2A	3249	1/1	0.86	0.18	69,69,69,69	0
56	MG	2A	3255	1/1	0.86	0.19	62,62,62,62	0
56	MG	2A	3259	1/1	0.86	0.34	65,65,65,65	0
56	MG	2A	3554	1/1	0.86	0.15	38,38,38,38	0
56	MG	2x	104	1/1	0.86	0.12	77,77,77,77	0
56	MG	1A	3608	1/1	0.87	0.11	43,43,43,43	0
56	MG	2A	3367	1/1	0.87	0.14	70,70,70,70	0
56	MG	2B	213	1/1	0.87	0.27	67,67,67,67	0
56	MG	1a	1782	1/1	0.87	0.25	80,80,80,80	0
56	MG	1A	3837	1/1	0.87	0.13	39,39,39,39	0
56	MG	1a	1795	1/1	0.87	0.14	55,55,55,55	0
56	MG	1a	1707	1/1	0.87	0.20	58,58,58,58	0
56	MG	1A	3382	1/1	0.87	0.20	61,61,61,61	0
56	MG	2R	203	1/1	0.87	0.14	51,51,51,51	0
56	MG	2A	3694	1/1	0.87	0.20	67,67,67,67	0
56	MG	2A	3430	1/1	0.87	0.31	60,60,60,60	0
56	MG	1a	1638	1/1	0.87	0.25	74,74,74,74	0
56	MG	2a	1608	1/1	0.87	0.09	75,75,75,75	0
56	MG	2a	1612	1/1	0.87	0.26	67,67,67,67	0
56	MG	2A	3711	1/1	0.87	0.09	64,64,64,64	0
56	MG	2a	1616	1/1	0.87	0.18	56,56,56,56	0
56	MG	2a	1623	1/1	0.87	0.17	64,64,64,64	0
56	MG	2A	3242	1/1	0.87	0.21	74,74,74,74	0
56	MG	2A	3454	1/1	0.87	0.15	57,57,57,57	0
56	MG	1a	1641	1/1	0.87	0.34	61,61,61,61	0
56	MG	2a	1649	1/1	0.87	0.21	72,72,72,72	0
56	MG	2A	3719	1/1	0.87	0.12	55,55,55,55	0
56	MG	1A	4062	1/1	0.87	0.11	44,44,44,44	0
56	MG	1A	3534	1/1	0.87	0.12	38,38,38,38	0
56	MG	1a	1649	1/1	0.87	0.19	63,63,63,63	0
56	MG	2a	1664	1/1	0.87	0.26	58,58,58,58	0
56	MG	1A	4067	1/1	0.87	0.09	68,68,68,68	0
56	MG	2a	1667	1/1	0.87	0.21	66,66,66,66	0
56	MG	1a	1730	1/1	0.87	0.46	70,70,70,70	0
56	MG	2A	3273	1/1	0.87	0.15	70,70,70,70	0
56	MG	2A	3519	1/1	0.87	0.25	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3853	1/1	0.87	0.14	59,59,59,59	0
56	MG	1a	1663	1/1	0.87	0.15	71,71,71,71	0
56	MG	2A	3747	1/1	0.87	0.23	66,66,66,66	0
56	MG	2A	3748	1/1	0.87	0.15	76,76,76,76	0
56	MG	1W	202	1/1	0.87	0.13	42,42,42,42	0
56	MG	1A	3917	1/1	0.87	0.10	45,45,45,45	0
56	MG	2A	3557	1/1	0.87	0.18	47,47,47,47	0
56	MG	13	105	1/1	0.87	0.10	28,28,28,28	0
56	MG	2a	1725	1/1	0.87	0.15	52,52,52,52	0
56	MG	1A	3387	1/1	0.87	0.14	55,55,55,55	0
56	MG	1a	1738	1/1	0.87	0.30	69,69,69,69	0
56	MG	1a	1601	1/1	0.87	0.35	72,72,72,72	0
56	MG	1a	1744	1/1	0.87	0.17	76,76,76,76	0
56	MG	1a	1747	1/1	0.87	0.11	60,60,60,60	0
56	MG	2a	1748	1/1	0.87	0.14	61,61,61,61	0
56	MG	1A	4009	1/1	0.87	0.17	62,62,62,62	0
56	MG	2a	1754	1/1	0.87	0.14	74,74,74,74	0
56	MG	1A	3963	1/1	0.87	0.16	54,54,54,54	0
56	MG	2A	3618	1/1	0.87	0.14	37,37,37,37	0
56	MG	2A	3315	1/1	0.87	0.14	67,67,67,67	0
56	MG	2A	3322	1/1	0.87	0.34	65,65,65,65	0
56	MG	2A	3109	1/1	0.87	0.19	60,60,60,60	0
56	MG	2a	1770	1/1	0.87	0.12	63,63,63,63	0
56	MG	2A	3332	1/1	0.87	0.22	66,66,66,66	0
56	MG	1A	3815	1/1	0.87	0.17	62,62,62,62	0
56	MG	2A	3659	1/1	0.87	0.14	59,59,59,59	0
56	MG	1A	3419	1/1	0.87	0.27	60,60,60,60	0
56	MG	2A	3149	1/1	0.87	0.17	58,58,58,58	0
56	MG	1a	1695	1/1	0.87	0.21	70,70,70,70	0
56	MG	1A	4045	1/1	0.87	0.17	57,57,57,57	0
56	MG	2B	205	1/1	0.87	0.22	59,59,59,59	0
56	MG	2x	103	1/1	0.87	0.27	75,75,75,75	0
56	MG	1a	1697	1/1	0.87	0.18	63,63,63,63	0
56	MG	2A	3115	1/1	0.88	0.33	64,64,64,64	0
56	MG	2A	3761	1/1	0.88	0.14	68,68,68,68	0
56	MG	2A	3401	1/1	0.88	0.17	68,68,68,68	0
56	MG	2A	3423	1/1	0.88	0.24	66,66,66,66	0
56	MG	2A	3427	1/1	0.88	0.33	63,63,63,63	0
56	MG	2A	3429	1/1	0.88	0.29	60,60,60,60	0
56	MG	2A	3785	1/1	0.88	0.16	72,72,72,72	0
56	MG	1A	4033	1/1	0.88	0.16	45,45,45,45	0
56	MG	2A	3794	1/1	0.88	0.14	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3431	1/1	0.88	0.31	58,58,58,58	0
56	MG	2A	3438	1/1	0.88	0.23	57,57,57,57	0
56	MG	2A	3133	1/1	0.88	0.10	52,52,52,52	0
56	MG	2A	3832	1/1	0.88	0.18	66,66,66,66	0
56	MG	2A	3144	1/1	0.88	0.30	64,64,64,64	0
56	MG	1a	1661	1/1	0.88	0.10	70,70,70,70	0
56	MG	1a	1740	1/1	0.88	0.11	62,62,62,62	0
56	MG	1A	3302	1/1	0.88	0.28	56,56,56,56	0
56	MG	1A	3487	1/1	0.88	0.17	64,64,64,64	0
56	MG	2A	3860	1/1	0.88	0.12	49,49,49,49	0
56	MG	1a	1746	1/1	0.88	0.13	57,57,57,57	0
56	MG	1a	1666	1/1	0.88	0.19	75,75,75,75	0
56	MG	1A	3494	1/1	0.88	0.15	68,68,68,68	0
56	MG	2A	3182	1/1	0.88	0.21	56,56,56,56	0
56	MG	1A	3962	1/1	0.88	0.10	68,68,68,68	0
56	MG	2B	206	1/1	0.88	0.22	70,70,70,70	0
56	MG	2A	3198	1/1	0.88	0.16	52,52,52,52	0
56	MG	2A	3531	1/1	0.88	0.20	49,49,49,49	0
56	MG	2A	3200	1/1	0.88	0.18	65,65,65,65	0
56	MG	2A	3210	1/1	0.88	0.14	70,70,70,70	0
56	MG	1a	1672	1/1	0.88	0.10	70,70,70,70	0
56	MG	2A	3219	1/1	0.88	0.13	62,62,62,62	0
56	MG	2B	219	1/1	0.88	0.30	68,68,68,68	0
56	MG	1a	1675	1/1	0.88	0.28	69,69,69,69	0
56	MG	2A	3235	1/1	0.88	0.15	49,49,49,49	0
56	MG	2F	301	1/1	0.88	0.18	46,46,46,46	0
56	MG	10	105	1/1	0.88	0.17	63,63,63,63	0
56	MG	1A	3578	1/1	0.88	0.14	69,69,69,69	0
56	MG	2A	3571	1/1	0.88	0.11	53,53,53,53	0
56	MG	2A	3247	1/1	0.88	0.08	59,59,59,59	0
56	MG	2Z	301	1/1	0.88	0.15	69,69,69,69	0
56	MG	25	101	1/1	0.88	0.11	54,54,54,54	0
56	MG	2A	3578	1/1	0.88	0.22	71,71,71,71	0
56	MG	1a	1779	1/1	0.88	0.19	95,95,95,95	0
56	MG	2a	1610	1/1	0.88	0.29	70,70,70,70	0
56	MG	14	101	1/1	0.88	0.17	61,61,61,61	0
56	MG	2A	3588	1/1	0.88	0.14	62,62,62,62	0
56	MG	1A	3392	1/1	0.88	0.32	74,74,74,74	0
56	MG	2A	3605	1/1	0.88	0.13	61,61,61,61	0
56	MG	2A	3610	1/1	0.88	0.12	35,35,35,35	0
56	MG	2A	3260	1/1	0.88	0.37	73,73,73,73	0
56	MG	2a	1631	1/1	0.88	0.17	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3599	1/1	0.88	0.25	61,61,61,61	0
56	MG	1a	1690	1/1	0.88	0.26	67,67,67,67	0
56	MG	1a	1692	1/1	0.88	0.14	62,62,62,62	0
56	MG	2A	3269	1/1	0.88	0.20	60,60,60,60	0
56	MG	1A	4083	1/1	0.88	0.17	66,66,66,66	0
56	MG	1A	3504	1/1	0.88	0.23	69,69,69,69	0
56	MG	2a	1658	1/1	0.88	0.43	69,69,69,69	0
56	MG	2a	1659	1/1	0.88	0.21	63,63,63,63	0
56	MG	2A	3660	1/1	0.88	0.12	69,69,69,69	0
56	MG	1a	1608	1/1	0.88	0.12	70,70,70,70	0
56	MG	1A	3430	1/1	0.88	0.08	45,45,45,45	0
56	MG	2a	1668	1/1	0.88	0.29	60,60,60,60	0
56	MG	1A	3514	1/1	0.88	0.15	53,53,53,53	0
56	MG	1a	1615	1/1	0.88	0.12	75,75,75,75	0
56	MG	1A	3638	1/1	0.88	0.16	74,74,74,74	0
56	MG	2a	1684	1/1	0.88	0.32	66,66,66,66	0
56	MG	2a	1689	1/1	0.88	0.29	71,71,71,71	0
56	MG	1A	3866	1/1	0.88	0.22	49,49,49,49	0
56	MG	1a	1710	1/1	0.88	0.11	78,78,78,78	0
56	MG	1x	104	1/1	0.88	0.36	70,70,70,70	0
56	MG	2a	1707	1/1	0.88	0.17	72,72,72,72	0
56	MG	1a	1631	1/1	0.88	0.19	62,62,62,62	0
56	MG	2A	3299	1/1	0.88	0.25	49,49,49,49	0
56	MG	2A	3683	1/1	0.88	0.10	48,48,48,48	0
56	MG	1A	3443	1/1	0.88	0.28	62,62,62,62	0
56	MG	2A	3691	1/1	0.88	0.14	74,74,74,74	0
56	MG	1a	1717	1/1	0.88	0.14	64,64,64,64	0
56	MG	2A	3305	1/1	0.88	0.30	61,61,61,61	0
56	MG	1A	3454	1/1	0.88	0.21	62,62,62,62	0
56	MG	2A	3317	1/1	0.88	0.19	60,60,60,60	0
56	MG	2A	3033	1/1	0.88	0.18	52,52,52,52	0
56	MG	2A	3329	1/1	0.88	0.29	79,79,79,79	0
56	MG	1A	3781	1/1	0.88	0.10	33,33,33,33	0
56	MG	1A	3094	1/1	0.88	0.20	53,53,53,53	0
56	MG	2A	3071	1/1	0.88	0.15	44,44,44,44	0
56	MG	1F	303	1/1	0.88	0.09	61,61,61,61	0
56	MG	1a	1644	1/1	0.88	0.18	68,68,68,68	0
56	MG	2a	1760	1/1	0.88	0.33	64,64,64,64	0
56	MG	1a	1731	1/1	0.88	0.40	66,66,66,66	0
56	MG	2A	3095	1/1	0.88	0.14	62,62,62,62	0
56	MG	1A	3467	1/1	0.88	0.14	68,68,68,68	0
56	MG	1a	1646	1/1	0.88	0.18	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3101	1/1	0.88	0.20	58,58,58,58	0
56	MG	2d	301	1/1	0.88	0.27	64,64,64,64	0
56	MG	2A	3373	1/1	0.88	0.25	60,60,60,60	0
56	MG	2A	3377	1/1	0.88	0.32	66,66,66,66	0
56	MG	2A	3746	1/1	0.88	0.13	69,69,69,69	0
56	MG	1a	1648	1/1	0.88	0.26	67,67,67,67	0
56	MG	2r	101	1/1	0.88	0.21	82,82,82,82	0
56	MG	2A	3383	1/1	0.88	0.23	72,72,72,72	0
56	MG	2A	3385	1/1	0.88	0.11	60,60,60,60	0
56	MG	1A	3538	1/1	0.88	0.17	55,55,55,55	0
56	MG	2A	3110	1/1	0.88	0.17	53,53,53,53	0
56	MG	1A	4024	1/1	0.88	0.17	72,72,72,72	0
57	K	1A	3557	1/1	0.88	0.26	89,89,89,89	0
56	MG	1B	205	1/1	0.89	0.22	66,66,66,66	0
56	MG	2A	3132	1/1	0.89	0.14	59,59,59,59	0
56	MG	1A	3326	1/1	0.89	0.09	49,49,49,49	0
56	MG	2A	3336	1/1	0.89	0.09	76,76,76,76	0
56	MG	1A	3051	1/1	0.89	0.14	43,43,43,43	0
56	MG	2B	217	1/1	0.89	0.16	71,71,71,71	0
56	MG	1a	1616	1/1	0.89	0.10	75,75,75,75	0
56	MG	1a	1620	1/1	0.89	0.11	58,58,58,58	0
56	MG	1B	221	1/1	0.89	0.17	53,53,53,53	0
56	MG	2A	3663	1/1	0.89	0.13	62,62,62,62	0
56	MG	1a	1785	1/1	0.89	0.18	67,67,67,67	0
56	MG	1A	3658	1/1	0.89	0.12	62,62,62,62	0
56	MG	2A	3166	1/1	0.89	0.20	62,62,62,62	0
56	MG	1B	226	1/1	0.89	0.16	61,61,61,61	0
56	MG	1A	3771	1/1	0.89	0.10	38,38,38,38	0
56	MG	1a	1803	1/1	0.89	0.22	63,63,63,63	0
56	MG	2A	3378	1/1	0.89	0.20	54,54,54,54	0
56	MG	1a	1804	1/1	0.89	0.11	58,58,58,58	0
56	MG	1A	3161	1/1	0.89	0.09	66,66,66,66	0
56	MG	2A	3199	1/1	0.89	0.21	61,61,61,61	0
56	MG	1a	1811	1/1	0.89	0.19	73,73,73,73	0
56	MG	2A	3204	1/1	0.89	0.12	64,64,64,64	0
56	MG	1A	3026	1/1	0.89	0.12	44,44,44,44	0
56	MG	2A	3212	1/1	0.89	0.24	58,58,58,58	0
56	MG	2A	3214	1/1	0.89	0.11	59,59,59,59	0
56	MG	2A	3416	1/1	0.89	0.30	61,61,61,61	0
56	MG	2A	3421	1/1	0.89	0.41	62,62,62,62	0
56	MG	2a	1637	1/1	0.89	0.23	56,56,56,56	0
56	MG	2a	1640	1/1	0.89	0.22	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1643	1/1	0.89	0.17	64,64,64,64	0
56	MG	1a	1818	1/1	0.89	0.10	72,72,72,72	0
56	MG	1A	3223	1/1	0.89	0.20	60,60,60,60	0
56	MG	1a	1712	1/1	0.89	0.20	59,59,59,59	0
56	MG	1e	204	1/1	0.89	0.21	83,83,83,83	0
56	MG	1A	4010	1/1	0.89	0.14	64,64,64,64	0
56	MG	1A	3172	1/1	0.89	0.29	57,57,57,57	0
56	MG	2A	3439	1/1	0.89	0.17	61,61,61,61	0
56	MG	2A	3724	1/1	0.89	0.12	54,54,54,54	0
56	MG	2A	3727	1/1	0.89	0.11	72,72,72,72	0
56	MG	2A	3446	1/1	0.89	0.41	64,64,64,64	0
56	MG	2A	3246	1/1	0.89	0.19	65,65,65,65	0
56	MG	1A	3802	1/1	0.89	0.08	35,35,35,35	0
56	MG	1A	4022	1/1	0.89	0.14	56,56,56,56	0
56	MG	1A	3517	1/1	0.89	0.10	66,66,66,66	0
56	MG	1A	3520	1/1	0.89	0.18	44,44,44,44	0
56	MG	2A	3008	1/1	0.89	0.14	52,52,52,52	0
56	MG	1a	1650	1/1	0.89	0.18	58,58,58,58	0
56	MG	1A	3697	1/1	0.89	0.11	59,59,59,59	0
56	MG	1P	206	1/1	0.89	0.36	68,68,68,68	0
56	MG	2a	1696	1/1	0.89	0.18	80,80,80,80	0
56	MG	2A	3507	1/1	0.89	0.15	69,69,69,69	0
56	MG	2A	3514	1/1	0.89	0.16	60,60,60,60	0
56	MG	2A	3516	1/1	0.89	0.13	58,58,58,58	0
56	MG	1a	1660	1/1	0.89	0.21	68,68,68,68	0
56	MG	2a	1719	1/1	0.89	0.17	54,54,54,54	0
56	MG	2A	3043	1/1	0.89	0.26	72,72,72,72	0
56	MG	1S	203	1/1	0.89	0.10	54,54,54,54	0
56	MG	2a	1724	1/1	0.89	0.16	82,82,82,82	0
56	MG	2A	3279	1/1	0.89	0.13	52,52,52,52	0
56	MG	2A	3767	1/1	0.89	0.17	67,67,67,67	0
56	MG	2a	1732	1/1	0.89	0.24	61,61,61,61	0
56	MG	2a	1734	1/1	0.89	0.14	68,68,68,68	0
56	MG	2A	3058	1/1	0.89	0.18	66,66,66,66	0
56	MG	2A	3536	1/1	0.89	0.18	71,71,71,71	0
56	MG	2A	3542	1/1	0.89	0.11	42,42,42,42	0
56	MG	2a	1740	1/1	0.89	0.19	66,66,66,66	0
56	MG	2a	1745	1/1	0.89	0.21	67,67,67,67	0
56	MG	1A	4038	1/1	0.89	0.11	20,20,20,20	0
56	MG	1A	4039	1/1	0.89	0.11	57,57,57,57	0
56	MG	2A	3792	1/1	0.89	0.12	55,55,55,55	0
56	MG	1A	3601	1/1	0.89	0.24	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3795	1/1	0.89	0.13	58,58,58,58	0
56	MG	1Y	202	1/1	0.89	0.07	60,60,60,60	0
56	MG	1A	3935	1/1	0.89	0.11	61,61,61,61	0
56	MG	1A	3942	1/1	0.89	0.12	65,65,65,65	0
56	MG	2A	3096	1/1	0.89	0.22	72,72,72,72	0
56	MG	2A	3834	1/1	0.89	0.11	41,41,41,41	0
56	MG	1A	3954	1/1	0.89	0.12	55,55,55,55	0
56	MG	1A	3253	1/1	0.89	0.08	57,57,57,57	0
56	MG	2a	1775	1/1	0.89	0.11	60,60,60,60	0
56	MG	1A	3527	1/1	0.89	0.27	60,60,60,60	0
56	MG	2d	302	1/1	0.89	0.07	73,73,73,73	0
56	MG	1A	3835	1/1	0.89	0.09	39,39,39,39	0
56	MG	1A	3531	1/1	0.89	0.36	70,70,70,70	0
56	MG	2A	3859	1/1	0.89	0.11	47,47,47,47	0
56	MG	1a	1761	1/1	0.89	0.18	69,69,69,69	0
56	MG	2q	202	1/1	0.89	0.23	77,77,77,77	0
56	MG	1A	3313	1/1	0.89	0.11	49,49,49,49	0
56	MG	2A	3595	1/1	0.89	0.14	65,65,65,65	0
56	MG	2t	201	1/1	0.89	0.23	60,60,60,60	0
56	MG	2A	3599	1/1	0.89	0.11	51,51,51,51	0
56	MG	2A	3600	1/1	0.89	0.28	59,59,59,59	0
56	MG	2A	3318	1/1	0.89	0.25	74,74,74,74	0
56	MG	1a	1687	1/1	0.89	0.32	70,70,70,70	0
56	MG	2A	3617	1/1	0.89	0.24	77,77,77,77	0
56	MG	2A	3094	1/1	0.90	0.16	41,41,41,41	0
56	MG	1A	3516	1/1	0.90	0.17	84,84,84,84	0
56	MG	2A	3306	1/1	0.90	0.24	39,39,39,39	0
56	MG	2A	3308	1/1	0.90	0.16	59,59,59,59	0
56	MG	2A	3311	1/1	0.90	0.09	57,57,57,57	0
56	MG	1D	312	1/1	0.90	0.19	50,50,50,50	0
56	MG	1E	309	1/1	0.90	0.27	74,74,74,74	0
56	MG	1A	3844	1/1	0.90	0.23	60,60,60,60	0
56	MG	2E	305	1/1	0.90	0.07	30,30,30,30	0
56	MG	2A	3620	1/1	0.90	0.24	64,64,64,64	0
56	MG	1A	3845	1/1	0.90	0.12	58,58,58,58	0
56	MG	2R	202	1/1	0.90	0.15	53,53,53,53	0
56	MG	2A	3326	1/1	0.90	0.23	63,63,63,63	0
56	MG	2T	203	1/1	0.90	0.15	72,72,72,72	0
56	MG	1F	304	1/1	0.90	0.13	50,50,50,50	0
56	MG	1A	3598	1/1	0.90	0.23	59,59,59,59	0
56	MG	1F	314	1/1	0.90	0.20	59,59,59,59	0
56	MG	2A	3333	1/1	0.90	0.15	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	28	101	1/1	0.90	0.18	67,67,67,67	0
56	MG	2a	1601	1/1	0.90	0.20	60,60,60,60	0
56	MG	1G	201	1/1	0.90	0.09	54,54,54,54	0
56	MG	2A	3339	1/1	0.90	0.08	65,65,65,65	0
56	MG	1A	3332	1/1	0.90	0.12	64,64,64,64	0
56	MG	1A	3404	1/1	0.90	0.10	54,54,54,54	0
56	MG	2a	1614	1/1	0.90	0.16	55,55,55,55	0
56	MG	2A	3122	1/1	0.90	0.16	66,66,66,66	0
56	MG	1a	1763	1/1	0.90	0.08	64,64,64,64	0
56	MG	1O	203	1/1	0.90	0.28	69,69,69,69	0
56	MG	1A	3361	1/1	0.90	0.10	45,45,45,45	0
56	MG	1A	3212	1/1	0.90	0.17	61,61,61,61	0
56	MG	1A	3872	1/1	0.90	0.09	45,45,45,45	0
56	MG	2a	1632	1/1	0.90	0.21	58,58,58,58	0
56	MG	1Q	204	1/1	0.90	0.08	52,52,52,52	0
56	MG	2a	1636	1/1	0.90	0.26	56,56,56,56	0
56	MG	1A	3315	1/1	0.90	0.22	46,46,46,46	0
56	MG	1A	3884	1/1	0.90	0.16	72,72,72,72	0
56	MG	2A	3165	1/1	0.90	0.17	43,43,43,43	0
56	MG	2a	1647	1/1	0.90	0.22	70,70,70,70	0
56	MG	1V	206	1/1	0.90	0.06	51,51,51,51	0
56	MG	1A	3625	1/1	0.90	0.10	36,36,36,36	0
56	MG	2A	3168	1/1	0.90	0.26	67,67,67,67	0
56	MG	2a	1653	1/1	0.90	0.23	59,59,59,59	0
56	MG	1A	3249	1/1	0.90	0.16	65,65,65,65	0
56	MG	2A	3704	1/1	0.90	0.11	36,36,36,36	0
56	MG	2A	3171	1/1	0.90	0.16	48,48,48,48	0
56	MG	2A	3395	1/1	0.90	0.11	60,60,60,60	0
56	MG	1a	1792	1/1	0.90	0.16	56,56,56,56	0
56	MG	1A	3422	1/1	0.90	0.10	55,55,55,55	0
56	MG	2A	3403	1/1	0.90	0.10	56,56,56,56	0
56	MG	1a	1685	1/1	0.90	0.14	50,50,50,50	0
56	MG	2A	3419	1/1	0.90	0.17	45,45,45,45	0
56	MG	1a	1686	1/1	0.90	0.27	72,72,72,72	0
56	MG	1A	3645	1/1	0.90	0.07	15,15,15,15	0
56	MG	2A	3201	1/1	0.90	0.20	55,55,55,55	0
56	MG	2A	3428	1/1	0.90	0.32	63,63,63,63	0
56	MG	12	101	1/1	0.90	0.09	48,48,48,48	0
56	MG	13	101	1/1	0.90	0.13	35,35,35,35	0
56	MG	1A	3783	1/1	0.90	0.13	37,37,37,37	0
56	MG	2A	3434	1/1	0.90	0.30	55,55,55,55	0
56	MG	2a	1703	1/1	0.90	0.11	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3437	1/1	0.90	0.33	59,59,59,59	0
56	MG	1A	3424	1/1	0.90	0.13	59,59,59,59	0
56	MG	16	101	1/1	0.90	0.17	41,41,41,41	0
56	MG	2A	3217	1/1	0.90	0.08	56,56,56,56	0
56	MG	1A	4052	1/1	0.90	0.11	62,62,62,62	0
56	MG	1b	301	1/1	0.90	0.12	75,75,75,75	0
56	MG	2A	3231	1/1	0.90	0.30	65,65,65,65	0
56	MG	2A	3462	1/1	0.90	0.17	59,59,59,59	0
56	MG	1A	3928	1/1	0.90	0.10	50,50,50,50	0
56	MG	1A	3508	1/1	0.90	0.28	35,35,35,35	0
56	MG	2A	3487	1/1	0.90	0.15	59,59,59,59	0
56	MG	2a	1733	1/1	0.90	0.11	70,70,70,70	0
56	MG	1a	1706	1/1	0.90	0.25	67,67,67,67	0
56	MG	1a	1605	1/1	0.90	0.18	68,68,68,68	0
56	MG	2A	3503	1/1	0.90	0.15	58,58,58,58	0
56	MG	1a	1606	1/1	0.90	0.19	56,56,56,56	0
56	MG	1A	3085	1/1	0.90	0.24	43,43,43,43	0
56	MG	2A	3252	1/1	0.90	0.23	59,59,59,59	0
56	MG	2A	3786	1/1	0.90	0.25	61,61,61,61	0
56	MG	1x	105	1/1	0.90	0.22	69,69,69,69	0
56	MG	1A	3936	1/1	0.90	0.12	65,65,65,65	0
56	MG	2a	1751	1/1	0.90	0.21	68,68,68,68	0
56	MG	2a	1752	1/1	0.90	0.14	76,76,76,76	0
56	MG	2A	3002	1/1	0.90	0.32	55,55,55,55	0
56	MG	2A	3005	1/1	0.90	0.33	69,69,69,69	0
56	MG	2A	3524	1/1	0.90	0.09	37,37,37,37	0
56	MG	2A	3007	1/1	0.90	0.18	55,55,55,55	0
56	MG	2A	3820	1/1	0.90	0.11	51,51,51,51	0
56	MG	1A	4073	1/1	0.90	0.09	19,19,19,19	0
56	MG	2A	3268	1/1	0.90	0.10	78,78,78,78	0
56	MG	2A	3018	1/1	0.90	0.33	60,60,60,60	0
56	MG	2A	3841	1/1	0.90	0.17	55,55,55,55	0
56	MG	1A	3554	1/1	0.90	0.10	71,71,71,71	0
56	MG	2A	3547	1/1	0.90	0.13	57,57,57,57	0
56	MG	1A	3667	1/1	0.90	0.10	50,50,50,50	0
56	MG	1A	3442	1/1	0.90	0.15	59,59,59,59	0
56	MG	1A	3352	1/1	0.90	0.13	61,61,61,61	0
56	MG	1A	3688	1/1	0.90	0.08	42,42,42,42	0
56	MG	2A	3045	1/1	0.90	0.32	69,69,69,69	0
56	MG	1B	220	1/1	0.90	0.11	64,64,64,64	0
56	MG	1A	3579	1/1	0.90	0.09	49,49,49,49	0
56	MG	1A	3977	1/1	0.90	0.12	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3833	1/1	0.90	0.17	58,58,58,58	0
56	MG	2A	3072	1/1	0.90	0.10	56,56,56,56	0
56	MG	1A	3580	1/1	0.90	0.12	59,59,59,59	0
56	MG	1A	3981	1/1	0.90	0.10	48,48,48,48	0
56	MG	1A	3584	1/1	0.90	0.11	50,50,50,50	0
56	MG	2B	210	1/1	0.90	0.08	68,68,68,68	0
56	MG	2A	3192	1/1	0.91	0.12	69,69,69,69	0
56	MG	1A	3499	1/1	0.91	0.17	61,61,61,61	0
56	MG	2A	3440	1/1	0.91	0.24	53,53,53,53	0
56	MG	2A	3798	1/1	0.91	0.17	57,57,57,57	0
56	MG	1A	3921	1/1	0.91	0.15	48,48,48,48	0
56	MG	1A	3923	1/1	0.91	0.10	64,64,64,64	0
56	MG	1A	3745	1/1	0.91	0.17	44,44,44,44	0
56	MG	1A	3748	1/1	0.91	0.12	46,46,46,46	0
56	MG	2A	3460	1/1	0.91	0.13	59,59,59,59	0
56	MG	2A	3461	1/1	0.91	0.25	55,55,55,55	0
56	MG	1A	3500	1/1	0.91	0.07	29,29,29,29	0
56	MG	1A	3754	1/1	0.91	0.14	48,48,48,48	0
56	MG	2A	3479	1/1	0.91	0.23	65,65,65,65	0
56	MG	2A	3850	1/1	0.91	0.08	63,63,63,63	0
56	MG	1A	3757	1/1	0.91	0.23	52,52,52,52	0
56	MG	1A	3944	1/1	0.91	0.18	60,60,60,60	0
56	MG	1D	304	1/1	0.91	0.29	41,41,41,41	0
56	MG	2A	3497	1/1	0.91	0.16	46,46,46,46	0
56	MG	1A	3952	1/1	0.91	0.08	51,51,51,51	0
56	MG	2A	3866	1/1	0.91	0.13	47,47,47,47	0
56	MG	1a	1806	1/1	0.91	0.15	57,57,57,57	0
56	MG	1A	3953	1/1	0.91	0.35	50,50,50,50	0
56	MG	2A	3870	1/1	0.91	0.10	72,72,72,72	0
56	MG	2B	201	1/1	0.91	0.20	68,68,68,68	0
56	MG	1A	3501	1/1	0.91	0.11	61,61,61,61	0
56	MG	1A	3769	1/1	0.91	0.09	25,25,25,25	0
56	MG	1A	3503	1/1	0.91	0.08	47,47,47,47	0
56	MG	1A	3296	1/1	0.91	0.09	42,42,42,42	0
56	MG	1A	3507	1/1	0.91	0.19	45,45,45,45	0
56	MG	1a	1674	1/1	0.91	0.16	70,70,70,70	0
56	MG	1e	201	1/1	0.91	0.29	58,58,58,58	0
56	MG	2A	3526	1/1	0.91	0.07	33,33,33,33	0
56	MG	1e	203	1/1	0.91	0.11	57,57,57,57	0
56	MG	1A	3975	1/1	0.91	0.11	38,38,38,38	0
56	MG	1A	3091	1/1	0.91	0.14	48,48,48,48	0
56	MG	1N	203	1/1	0.91	0.07	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1n	101	1/1	0.91	0.22	59,59,59,59	0
56	MG	1N	208	1/1	0.91	0.12	35,35,35,35	0
56	MG	1A	3509	1/1	0.91	0.12	56,56,56,56	0
56	MG	1A	3366	1/1	0.91	0.10	43,43,43,43	0
56	MG	1A	3801	1/1	0.91	0.11	23,23,23,23	0
56	MG	2A	3271	1/1	0.91	0.37	67,67,67,67	0
56	MG	1x	107	1/1	0.91	0.20	72,72,72,72	0
56	MG	1A	3613	1/1	0.91	0.09	62,62,62,62	0
56	MG	2T	202	1/1	0.91	0.10	59,59,59,59	0
56	MG	1A	3368	1/1	0.91	0.36	60,60,60,60	0
56	MG	1a	1688	1/1	0.91	0.30	72,72,72,72	0
56	MG	1A	3425	1/1	0.91	0.14	55,55,55,55	0
56	MG	1A	3998	1/1	0.91	0.09	28,28,28,28	0
56	MG	23	102	1/1	0.91	0.17	59,59,59,59	0
56	MG	1A	3299	1/1	0.91	0.19	53,53,53,53	0
56	MG	1A	3643	1/1	0.91	0.10	48,48,48,48	0
56	MG	1A	3818	1/1	0.91	0.08	37,37,37,37	0
56	MG	1A	3333	1/1	0.91	0.19	49,49,49,49	0
56	MG	2a	1604	1/1	0.91	0.33	67,67,67,67	0
56	MG	2A	3592	1/1	0.91	0.17	48,48,48,48	0
56	MG	2A	3594	1/1	0.91	0.13	58,58,58,58	0
56	MG	2A	3292	1/1	0.91	0.13	62,62,62,62	0
56	MG	2A	3031	1/1	0.91	0.10	64,64,64,64	0
56	MG	1A	3335	1/1	0.91	0.15	54,54,54,54	0
56	MG	2A	3042	1/1	0.91	0.27	66,66,66,66	0
56	MG	2A	3606	1/1	0.91	0.08	54,54,54,54	0
56	MG	2A	3607	1/1	0.91	0.13	66,66,66,66	0
56	MG	2a	1625	1/1	0.91	0.29	67,67,67,67	0
56	MG	2a	1626	1/1	0.91	0.16	55,55,55,55	0
56	MG	10	102	1/1	0.91	0.12	55,55,55,55	0
56	MG	2A	3303	1/1	0.91	0.10	49,49,49,49	0
56	MG	1A	3448	1/1	0.91	0.18	66,66,66,66	0
56	MG	1A	4020	1/1	0.91	0.17	72,72,72,72	0
56	MG	1A	3648	1/1	0.91	0.13	67,67,67,67	0
56	MG	2A	3635	1/1	0.91	0.12	41,41,41,41	0
56	MG	2A	3648	1/1	0.91	0.17	66,66,66,66	0
56	MG	2a	1642	1/1	0.91	0.27	67,67,67,67	0
56	MG	1A	3449	1/1	0.91	0.09	51,51,51,51	0
56	MG	1A	3064	1/1	0.91	0.11	44,44,44,44	0
56	MG	2A	3654	1/1	0.91	0.17	70,70,70,70	0
56	MG	1A	3464	1/1	0.91	0.18	63,63,63,63	0
56	MG	1A	4034	1/1	0.91	0.10	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3084	1/1	0.91	0.18	53,53,53,53	0
56	MG	2A	3319	1/1	0.91	0.18	62,62,62,62	0
56	MG	2a	1655	1/1	0.91	0.29	55,55,55,55	0
56	MG	18	103	1/1	0.91	0.09	54,54,54,54	0
56	MG	2A	3324	1/1	0.91	0.10	69,69,69,69	0
56	MG	2A	3325	1/1	0.91	0.39	72,72,72,72	0
56	MG	2a	1660	1/1	0.91	0.16	59,59,59,59	0
56	MG	1A	3248	1/1	0.91	0.13	56,56,56,56	0
56	MG	2A	3090	1/1	0.91	0.23	68,68,68,68	0
56	MG	2A	3093	1/1	0.91	0.12	53,53,53,53	0
56	MG	2A	3331	1/1	0.91	0.08	65,65,65,65	0
56	MG	2a	1674	1/1	0.91	0.20	65,65,65,65	0
56	MG	2a	1676	1/1	0.91	0.16	61,61,61,61	0
56	MG	1A	3679	1/1	0.91	0.12	22,22,22,22	0
56	MG	2A	3676	1/1	0.91	0.15	64,64,64,64	0
56	MG	1a	1726	1/1	0.91	0.12	59,59,59,59	0
56	MG	2A	3334	1/1	0.91	0.28	70,70,70,70	0
56	MG	2a	1685	1/1	0.91	0.21	76,76,76,76	0
56	MG	1a	1603	1/1	0.91	0.10	55,55,55,55	0
56	MG	1A	3398	1/1	0.91	0.18	51,51,51,51	0
56	MG	2a	1691	1/1	0.91	0.32	59,59,59,59	0
56	MG	1A	4047	1/1	0.91	0.11	64,64,64,64	0
56	MG	2a	1693	1/1	0.91	0.17	67,67,67,67	0
56	MG	2A	3344	1/1	0.91	0.25	51,51,51,51	0
56	MG	1A	3540	1/1	0.91	0.11	57,57,57,57	0
56	MG	2a	1699	1/1	0.91	0.23	61,61,61,61	0
56	MG	2a	1701	1/1	0.91	0.16	64,64,64,64	0
56	MG	2A	3103	1/1	0.91	0.24	54,54,54,54	0
56	MG	2A	3695	1/1	0.91	0.22	61,61,61,61	0
56	MG	2a	1708	1/1	0.91	0.15	53,53,53,53	0
56	MG	1A	3855	1/1	0.91	0.12	48,48,48,48	0
56	MG	1A	4051	1/1	0.91	0.11	36,36,36,36	0
56	MG	2A	3706	1/1	0.91	0.13	48,48,48,48	0
56	MG	1a	1610	1/1	0.91	0.15	73,73,73,73	0
56	MG	2A	3709	1/1	0.91	0.17	57,57,57,57	0
56	MG	2A	3364	1/1	0.91	0.16	72,72,72,72	0
56	MG	1a	1611	1/1	0.91	0.22	61,61,61,61	0
56	MG	1A	3306	1/1	0.91	0.14	49,49,49,49	0
56	MG	2A	3368	1/1	0.91	0.08	62,62,62,62	0
56	MG	2A	3369	1/1	0.91	0.11	48,48,48,48	0
56	MG	1A	3187	1/1	0.91	0.14	70,70,70,70	0
56	MG	2A	3721	1/1	0.91	0.11	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3543	1/1	0.91	0.11	69,69,69,69	0
56	MG	2A	3126	1/1	0.91	0.07	55,55,55,55	0
56	MG	2A	3726	1/1	0.91	0.13	51,51,51,51	0
56	MG	1a	1739	1/1	0.91	0.07	68,68,68,68	0
56	MG	2a	1742	1/1	0.91	0.21	56,56,56,56	0
56	MG	1a	1618	1/1	0.91	0.10	72,72,72,72	0
56	MG	1A	3266	1/1	0.91	0.12	53,53,53,53	0
56	MG	1a	1621	1/1	0.91	0.17	48,48,48,48	0
56	MG	1a	1623	1/1	0.91	0.21	63,63,63,63	0
56	MG	2A	3736	1/1	0.91	0.12	67,67,67,67	0
56	MG	1A	3566	1/1	0.91	0.10	39,39,39,39	0
56	MG	2A	3155	1/1	0.91	0.16	59,59,59,59	0
56	MG	2A	3158	1/1	0.91	0.11	47,47,47,47	0
56	MG	2A	3744	1/1	0.91	0.26	46,46,46,46	0
56	MG	2A	3397	1/1	0.91	0.11	72,72,72,72	0
56	MG	2A	3399	1/1	0.91	0.14	64,64,64,64	0
56	MG	1A	3495	1/1	0.91	0.13	54,54,54,54	0
56	MG	2A	3163	1/1	0.91	0.40	71,71,71,71	0
56	MG	2A	3751	1/1	0.91	0.11	58,58,58,58	0
56	MG	2a	1772	1/1	0.91	0.20	78,78,78,78	0
56	MG	2A	3404	1/1	0.91	0.22	65,65,65,65	0
56	MG	2A	3405	1/1	0.91	0.17	61,61,61,61	0
56	MG	2a	1776	1/1	0.91	0.14	71,71,71,71	0
56	MG	2A	3755	1/1	0.91	0.14	66,66,66,66	0
56	MG	1a	1627	1/1	0.91	0.25	63,63,63,63	0
56	MG	1a	1630	1/1	0.91	0.14	61,61,61,61	0
56	MG	1A	3712	1/1	0.91	0.12	43,43,43,43	0
56	MG	1A	3572	1/1	0.91	0.20	58,58,58,58	0
56	MG	2l	201	1/1	0.91	0.11	70,70,70,70	0
56	MG	1A	3575	1/1	0.91	0.10	43,43,43,43	0
56	MG	2A	3768	1/1	0.91	0.18	76,76,76,76	0
56	MG	1a	1772	1/1	0.91	0.12	64,64,64,64	0
56	MG	2A	3774	1/1	0.91	0.09	81,81,81,81	0
56	MG	1B	209	1/1	0.91	0.16	44,44,44,44	0
56	MG	2A	3173	1/1	0.91	0.10	48,48,48,48	0
56	MG	2A	3176	1/1	0.91	0.13	68,68,68,68	0
56	MG	1A	3353	1/1	0.91	0.22	68,68,68,68	0
56	MG	2A	3185	1/1	0.91	0.08	53,53,53,53	0
56	MG	2A	3790	1/1	0.91	0.10	53,53,53,53	0
56	MG	2A	3782	1/1	0.92	0.16	70,70,70,70	0
56	MG	1A	3896	1/1	0.92	0.12	52,52,52,52	0
56	MG	1a	1771	1/1	0.92	0.23	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3787	1/1	0.92	0.10	67,67,67,67	0
56	MG	1A	3726	1/1	0.92	0.27	66,66,66,66	0
56	MG	1a	1774	1/1	0.92	0.12	63,63,63,63	0
56	MG	2A	3791	1/1	0.92	0.11	55,55,55,55	0
56	MG	1A	3098	1/1	0.92	0.18	56,56,56,56	0
56	MG	2A	3436	1/1	0.92	0.14	52,52,52,52	0
56	MG	1B	203	1/1	0.92	0.22	51,51,51,51	0
56	MG	1A	3731	1/1	0.92	0.13	58,58,58,58	0
56	MG	2A	3806	1/1	0.92	0.14	70,70,70,70	0
56	MG	2A	3187	1/1	0.92	0.13	63,63,63,63	0
56	MG	1A	3915	1/1	0.92	0.09	56,56,56,56	0
56	MG	2A	3195	1/1	0.92	0.08	56,56,56,56	0
56	MG	2A	3447	1/1	0.92	0.23	56,56,56,56	0
56	MG	2A	3822	1/1	0.92	0.17	40,40,40,40	0
56	MG	1B	210	1/1	0.92	0.08	46,46,46,46	0
56	MG	1a	1640	1/1	0.92	0.28	70,70,70,70	0
56	MG	2A	3838	1/1	0.92	0.15	52,52,52,52	0
56	MG	2A	3840	1/1	0.92	0.08	74,74,74,74	0
56	MG	1a	1784	1/1	0.92	0.14	65,65,65,65	0
56	MG	1A	3151	1/1	0.92	0.23	34,34,34,34	0
56	MG	1A	3090	1/1	0.92	0.21	39,39,39,39	0
56	MG	2A	3849	1/1	0.92	0.10	70,70,70,70	0
56	MG	1a	1788	1/1	0.92	0.06	81,81,81,81	0
56	MG	2A	3205	1/1	0.92	0.09	46,46,46,46	0
56	MG	2A	3852	1/1	0.92	0.08	57,57,57,57	0
56	MG	2A	3478	1/1	0.92	0.12	70,70,70,70	0
56	MG	1A	3751	1/1	0.92	0.14	53,53,53,53	0
56	MG	2A	3483	1/1	0.92	0.16	60,60,60,60	0
56	MG	2A	3211	1/1	0.92	0.16	64,64,64,64	0
56	MG	1a	1793	1/1	0.92	0.20	56,56,56,56	0
56	MG	1A	3457	1/1	0.92	0.11	69,69,69,69	0
56	MG	2A	3868	1/1	0.92	0.13	35,35,35,35	0
56	MG	2A	3494	1/1	0.92	0.20	62,62,62,62	0
56	MG	2A	3495	1/1	0.92	0.23	57,57,57,57	0
56	MG	1A	3462	1/1	0.92	0.20	56,56,56,56	0
56	MG	1B	225	1/1	0.92	0.08	46,46,46,46	0
56	MG	1A	3399	1/1	0.92	0.17	51,51,51,51	0
56	MG	1A	3113	1/1	0.92	0.06	40,40,40,40	0
56	MG	2A	3225	1/1	0.92	0.11	50,50,50,50	0
56	MG	2A	3230	1/1	0.92	0.11	52,52,52,52	0
56	MG	2B	208	1/1	0.92	0.33	66,66,66,66	0
56	MG	1a	1809	1/1	0.92	0.08	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3232	1/1	0.92	0.17	68,68,68,68	0
56	MG	1a	1651	1/1	0.92	0.07	54,54,54,54	0
56	MG	2B	212	1/1	0.92	0.25	67,67,67,67	0
56	MG	1A	3403	1/1	0.92	0.09	51,51,51,51	0
56	MG	2A	3241	1/1	0.92	0.23	64,64,64,64	0
56	MG	2A	3525	1/1	0.92	0.09	45,45,45,45	0
56	MG	1A	3469	1/1	0.92	0.18	58,58,58,58	0
56	MG	2A	3243	1/1	0.92	0.14	52,52,52,52	0
56	MG	2A	3244	1/1	0.92	0.28	57,57,57,57	0
56	MG	1a	1816	1/1	0.92	0.08	64,64,64,64	0
56	MG	2E	302	1/1	0.92	0.26	57,57,57,57	0
56	MG	1a	1657	1/1	0.92	0.09	44,44,44,44	0
56	MG	2E	306	1/1	0.92	0.08	52,52,52,52	0
56	MG	1B	234	1/1	0.92	0.08	33,33,33,33	0
56	MG	2F	305	1/1	0.92	0.19	40,40,40,40	0
56	MG	1A	3470	1/1	0.92	0.23	46,46,46,46	0
56	MG	2P	201	1/1	0.92	0.10	56,56,56,56	0
56	MG	2Q	203	1/1	0.92	0.11	62,62,62,62	0
56	MG	1A	3947	1/1	0.92	0.12	56,56,56,56	0
56	MG	1A	3780	1/1	0.92	0.15	45,45,45,45	0
56	MG	2T	201	1/1	0.92	0.11	53,53,53,53	0
56	MG	1A	3131	1/1	0.92	0.14	51,51,51,51	0
56	MG	2A	3558	1/1	0.92	0.14	55,55,55,55	0
56	MG	1a	1667	1/1	0.92	0.22	78,78,78,78	0
56	MG	2A	3564	1/1	0.92	0.10	46,46,46,46	0
56	MG	1f	201	1/1	0.92	0.17	52,52,52,52	0
56	MG	2A	3566	1/1	0.92	0.07	44,44,44,44	0
56	MG	1k	201	1/1	0.92	0.13	56,56,56,56	0
56	MG	1E	310	1/1	0.92	0.11	29,29,29,29	0
56	MG	1A	3482	1/1	0.92	0.21	61,61,61,61	0
56	MG	2A	3576	1/1	0.92	0.17	58,58,58,58	0
56	MG	1E	314	1/1	0.92	0.10	61,61,61,61	0
56	MG	2a	1606	1/1	0.92	0.20	54,54,54,54	0
56	MG	2a	1607	1/1	0.92	0.38	59,59,59,59	0
56	MG	1A	3539	1/1	0.92	0.22	55,55,55,55	0
56	MG	2A	3275	1/1	0.92	0.25	65,65,65,65	0
56	MG	1A	3790	1/1	0.92	0.14	60,60,60,60	0
56	MG	1x	101	1/1	0.92	0.08	64,64,64,64	0
56	MG	1x	102	1/1	0.92	0.09	68,68,68,68	0
56	MG	2A	3281	1/1	0.92	0.11	55,55,55,55	0
56	MG	2a	1618	1/1	0.92	0.16	64,64,64,64	0
56	MG	2a	1621	1/1	0.92	0.11	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3593	1/1	0.92	0.14	57,57,57,57	0
56	MG	1F	306	1/1	0.92	0.08	33,33,33,33	0
56	MG	1A	3965	1/1	0.92	0.07	72,72,72,72	0
56	MG	2A	3598	1/1	0.92	0.20	62,62,62,62	0
56	MG	1A	3486	1/1	0.92	0.18	57,57,57,57	0
56	MG	1A	3654	1/1	0.92	0.10	61,61,61,61	0
56	MG	2A	3602	1/1	0.92	0.16	53,53,53,53	0
56	MG	1A	3972	1/1	0.92	0.08	54,54,54,54	0
56	MG	2a	1635	1/1	0.92	0.24	52,52,52,52	0
56	MG	2A	3289	1/1	0.92	0.27	69,69,69,69	0
56	MG	2A	3004	1/1	0.92	0.23	49,49,49,49	0
56	MG	1N	201	1/1	0.92	0.10	53,53,53,53	0
56	MG	2A	3612	1/1	0.92	0.08	48,48,48,48	0
56	MG	1A	3312	1/1	0.92	0.09	38,38,38,38	0
56	MG	2a	1645	1/1	0.92	0.21	69,69,69,69	0
56	MG	2A	3297	1/1	0.92	0.22	71,71,71,71	0
56	MG	1A	3414	1/1	0.92	0.21	53,53,53,53	0
56	MG	2A	3621	1/1	0.92	0.07	37,37,37,37	0
56	MG	1A	3807	1/1	0.92	0.06	22,22,22,22	0
56	MG	2A	3629	1/1	0.92	0.18	37,37,37,37	0
56	MG	1A	3662	1/1	0.92	0.15	47,47,47,47	0
56	MG	2A	3637	1/1	0.92	0.14	54,54,54,54	0
56	MG	2a	1656	1/1	0.92	0.40	72,72,72,72	0
56	MG	1A	3257	1/1	0.92	0.12	63,63,63,63	0
56	MG	1A	3665	1/1	0.92	0.06	19,19,19,19	0
56	MG	1A	3545	1/1	0.92	0.32	38,38,38,38	0
56	MG	1A	3986	1/1	0.92	0.09	38,38,38,38	0
56	MG	2A	3307	1/1	0.92	0.10	48,48,48,48	0
56	MG	2A	3039	1/1	0.92	0.18	62,62,62,62	0
56	MG	2a	1666	1/1	0.92	0.19	56,56,56,56	0
56	MG	2A	3041	1/1	0.92	0.18	54,54,54,54	0
56	MG	2A	3312	1/1	0.92	0.17	72,72,72,72	0
56	MG	2a	1669	1/1	0.92	0.12	68,68,68,68	0
56	MG	1S	201	1/1	0.92	0.28	46,46,46,46	0
56	MG	1a	1699	1/1	0.92	0.26	56,56,56,56	0
56	MG	2a	1677	1/1	0.92	0.34	66,66,66,66	0
56	MG	1S	202	1/1	0.92	0.11	59,59,59,59	0
56	MG	1a	1701	1/1	0.92	0.47	70,70,70,70	0
56	MG	2a	1680	1/1	0.92	0.13	63,63,63,63	0
56	MG	2A	3053	1/1	0.92	0.22	60,60,60,60	0
56	MG	2A	3056	1/1	0.92	0.19	66,66,66,66	0
56	MG	1A	3988	1/1	0.92	0.07	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1686	1/1	0.92	0.29	61,61,61,61	0
56	MG	1A	3674	1/1	0.92	0.07	33,33,33,33	0
56	MG	2A	3328	1/1	0.92	0.13	53,53,53,53	0
56	MG	2A	3065	1/1	0.92	0.20	47,47,47,47	0
56	MG	1A	3678	1/1	0.92	0.05	21,21,21,21	0
56	MG	1A	3552	1/1	0.92	0.12	45,45,45,45	0
56	MG	1A	3834	1/1	0.92	0.12	35,35,35,35	0
56	MG	2A	3684	1/1	0.92	0.11	62,62,62,62	0
56	MG	1A	3497	1/1	0.92	0.13	36,36,36,36	0
56	MG	2a	1700	1/1	0.92	0.22	59,59,59,59	0
56	MG	1A	3563	1/1	0.92	0.16	53,53,53,53	0
56	MG	1A	4011	1/1	0.92	0.11	42,42,42,42	0
56	MG	2A	3338	1/1	0.92	0.12	73,73,73,73	0
56	MG	1A	3838	1/1	0.92	0.10	46,46,46,46	0
56	MG	2A	3696	1/1	0.92	0.08	74,74,74,74	0
56	MG	2A	3698	1/1	0.92	0.09	58,58,58,58	0
56	MG	2A	3340	1/1	0.92	0.20	61,61,61,61	0
56	MG	1a	1718	1/1	0.92	0.31	66,66,66,66	0
56	MG	2A	3705	1/1	0.92	0.10	46,46,46,46	0
56	MG	1a	1720	1/1	0.92	0.12	52,52,52,52	0
56	MG	2A	3346	1/1	0.92	0.28	46,46,46,46	0
56	MG	2A	3350	1/1	0.92	0.12	54,54,54,54	0
56	MG	2a	1727	1/1	0.92	0.11	81,81,81,81	0
56	MG	2A	3352	1/1	0.92	0.19	60,60,60,60	0
56	MG	1A	4013	1/1	0.92	0.07	50,50,50,50	0
56	MG	1a	1724	1/1	0.92	0.14	64,64,64,64	0
56	MG	1A	3841	1/1	0.92	0.15	54,54,54,54	0
56	MG	2A	3359	1/1	0.92	0.21	60,60,60,60	0
56	MG	1A	3263	1/1	0.92	0.25	52,52,52,52	0
56	MG	2A	3361	1/1	0.92	0.26	51,51,51,51	0
56	MG	15	108	1/1	0.92	0.09	49,49,49,49	0
56	MG	1A	3226	1/1	0.92	0.20	51,51,51,51	0
56	MG	2a	1743	1/1	0.92	0.17	63,63,63,63	0
56	MG	2A	3104	1/1	0.92	0.15	65,65,65,65	0
56	MG	1A	3367	1/1	0.92	0.20	53,53,53,53	0
56	MG	1A	3848	1/1	0.92	0.18	41,41,41,41	0
56	MG	2a	1749	1/1	0.92	0.23	56,56,56,56	0
56	MG	1A	3231	1/1	0.92	0.10	33,33,33,33	0
56	MG	2A	3371	1/1	0.92	0.20	61,61,61,61	0
56	MG	1A	3701	1/1	0.92	0.09	43,43,43,43	0
56	MG	2a	1753	1/1	0.92	0.13	66,66,66,66	0
56	MG	2A	3375	1/1	0.92	0.07	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1756	1/1	0.92	0.12	59,59,59,59	0
56	MG	1A	4036	1/1	0.92	0.12	33,33,33,33	0
56	MG	2A	3738	1/1	0.92	0.12	56,56,56,56	0
56	MG	2A	3118	1/1	0.92	0.18	58,58,58,58	0
56	MG	1A	3267	1/1	0.92	0.27	48,48,48,48	0
56	MG	2A	3121	1/1	0.92	0.12	52,52,52,52	0
56	MG	1A	3291	1/1	0.92	0.10	44,44,44,44	0
56	MG	2a	1767	1/1	0.92	0.11	57,57,57,57	0
56	MG	1A	4043	1/1	0.92	0.10	56,56,56,56	0
56	MG	2a	1771	1/1	0.92	0.20	59,59,59,59	0
56	MG	2A	3129	1/1	0.92	0.12	62,62,62,62	0
56	MG	2a	1773	1/1	0.92	0.29	75,75,75,75	0
56	MG	2A	3392	1/1	0.92	0.26	71,71,71,71	0
56	MG	1A	3440	1/1	0.92	0.09	53,53,53,53	0
56	MG	1A	3867	1/1	0.92	0.16	31,31,31,31	0
56	MG	1A	3713	1/1	0.92	0.08	56,56,56,56	0
56	MG	1A	3870	1/1	0.92	0.10	37,37,37,37	0
56	MG	2A	3756	1/1	0.92	0.12	52,52,52,52	0
56	MG	2A	3757	1/1	0.92	0.10	46,46,46,46	0
56	MG	1A	3871	1/1	0.92	0.11	43,43,43,43	0
56	MG	1A	3583	1/1	0.92	0.11	39,39,39,39	0
56	MG	1A	3385	1/1	0.92	0.29	24,24,24,24	0
56	MG	1A	3067	1/1	0.92	0.11	56,56,56,56	0
56	MG	1a	1756	1/1	0.92	0.20	71,71,71,71	0
56	MG	1A	4063	1/1	0.92	0.08	22,22,22,22	0
56	MG	1A	3885	1/1	0.92	0.18	44,44,44,44	0
56	MG	1a	1762	1/1	0.92	0.21	78,78,78,78	0
56	MG	2A	3777	1/1	0.92	0.08	58,58,58,58	0
56	MG	1A	3724	1/1	0.92	0.10	43,43,43,43	0
56	MG	2A	3779	1/1	0.92	0.12	62,62,62,62	0
56	MG	1A	4069	1/1	0.92	0.13	56,56,56,56	0
56	MG	2A	3435	1/1	0.93	0.20	59,59,59,59	0
56	MG	1A	3483	1/1	0.93	0.18	49,49,49,49	0
56	MG	1A	4017	1/1	0.93	0.08	41,41,41,41	0
56	MG	1A	4018	1/1	0.93	0.09	73,73,73,73	0
56	MG	2A	3188	1/1	0.93	0.15	75,75,75,75	0
56	MG	2A	3796	1/1	0.93	0.12	81,81,81,81	0
56	MG	1A	3270	1/1	0.93	0.21	59,59,59,59	0
56	MG	2A	3801	1/1	0.93	0.09	57,57,57,57	0
56	MG	2A	3803	1/1	0.93	0.13	56,56,56,56	0
56	MG	2A	3194	1/1	0.93	0.32	68,68,68,68	0
56	MG	2A	3809	1/1	0.93	0.12	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3272	1/1	0.93	0.27	55,55,55,55	0
56	MG	2A	3450	1/1	0.93	0.11	48,48,48,48	0
56	MG	1A	3839	1/1	0.93	0.10	70,70,70,70	0
56	MG	1A	3491	1/1	0.93	0.09	41,41,41,41	0
56	MG	1A	4025	1/1	0.93	0.07	38,38,38,38	0
56	MG	2A	3457	1/1	0.93	0.07	54,54,54,54	0
56	MG	1A	4030	1/1	0.93	0.09	48,48,48,48	0
56	MG	1A	4032	1/1	0.93	0.08	32,32,32,32	0
56	MG	1A	3339	1/1	0.93	0.06	33,33,33,33	0
56	MG	1A	3410	1/1	0.93	0.16	53,53,53,53	0
56	MG	2A	3466	1/1	0.93	0.08	51,51,51,51	0
56	MG	2A	3844	1/1	0.93	0.07	62,62,62,62	0
56	MG	2A	3469	1/1	0.93	0.12	72,72,72,72	0
56	MG	2A	3473	1/1	0.93	0.09	68,68,68,68	0
56	MG	2A	3477	1/1	0.93	0.18	60,60,60,60	0
56	MG	2A	3208	1/1	0.93	0.08	65,65,65,65	0
56	MG	1A	3700	1/1	0.93	0.07	35,35,35,35	0
56	MG	1A	3340	1/1	0.93	0.06	38,38,38,38	0
56	MG	2A	3854	1/1	0.93	0.10	35,35,35,35	0
56	MG	1A	3274	1/1	0.93	0.09	51,51,51,51	0
56	MG	1A	3704	1/1	0.93	0.10	54,54,54,54	0
56	MG	1A	3286	1/1	0.93	0.32	34,34,34,34	0
56	MG	2A	3864	1/1	0.93	0.11	54,54,54,54	0
56	MG	1A	3350	1/1	0.93	0.24	54,54,54,54	0
56	MG	2A	3218	1/1	0.93	0.07	47,47,47,47	0
56	MG	1A	3859	1/1	0.93	0.10	39,39,39,39	0
56	MG	2A	3220	1/1	0.93	0.12	49,49,49,49	0
56	MG	1A	3863	1/1	0.93	0.10	34,34,34,34	0
56	MG	2A	3223	1/1	0.93	0.17	69,69,69,69	0
56	MG	1A	3864	1/1	0.93	0.10	40,40,40,40	0
56	MG	1a	1798	1/1	0.93	0.16	53,53,53,53	0
56	MG	2A	3510	1/1	0.93	0.13	25,25,25,25	0
56	MG	1a	1800	1/1	0.93	0.19	62,62,62,62	0
56	MG	1a	1628	1/1	0.93	0.14	56,56,56,56	0
56	MG	1A	3016	1/1	0.93	0.15	40,40,40,40	0
56	MG	1A	3502	1/1	0.93	0.12	55,55,55,55	0
56	MG	2A	3520	1/1	0.93	0.09	46,46,46,46	0
56	MG	1A	3715	1/1	0.93	0.17	53,53,53,53	0
56	MG	1A	3423	1/1	0.93	0.11	44,44,44,44	0
56	MG	1A	3099	1/1	0.93	0.19	41,41,41,41	0
56	MG	2B	214	1/1	0.93	0.21	65,65,65,65	0
56	MG	1A	3587	1/1	0.93	0.26	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3529	1/1	0.93	0.06	32,32,32,32	0
56	MG	2A	3530	1/1	0.93	0.10	62,62,62,62	0
56	MG	2B	218	1/1	0.93	0.08	65,65,65,65	0
56	MG	1A	3589	1/1	0.93	0.12	45,45,45,45	0
56	MG	1a	1642	1/1	0.93	0.17	60,60,60,60	0
56	MG	1a	1820	1/1	0.93	0.23	62,62,62,62	0
56	MG	2A	3539	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	4072	1/1	0.93	0.09	58,58,58,58	0
56	MG	2A	3543	1/1	0.93	0.09	44,44,44,44	0
56	MG	2A	3544	1/1	0.93	0.10	41,41,41,41	0
56	MG	2A	3546	1/1	0.93	0.07	34,34,34,34	0
56	MG	2A	3253	1/1	0.93	0.10	57,57,57,57	0
56	MG	2O	201	1/1	0.93	0.13	58,58,58,58	0
56	MG	1A	3878	1/1	0.93	0.11	47,47,47,47	0
56	MG	2Q	201	1/1	0.93	0.17	59,59,59,59	0
56	MG	1A	4074	1/1	0.93	0.13	49,49,49,49	0
56	MG	1b	302	1/1	0.93	0.17	80,80,80,80	0
56	MG	1A	4080	1/1	0.93	0.10	36,36,36,36	0
56	MG	1a	1647	1/1	0.93	0.12	73,73,73,73	0
56	MG	1A	3590	1/1	0.93	0.17	33,33,33,33	0
56	MG	1A	3729	1/1	0.93	0.12	46,46,46,46	0
56	MG	2W	201	1/1	0.93	0.34	52,52,52,52	0
56	MG	1A	3591	1/1	0.93	0.08	32,32,32,32	0
56	MG	2A	3567	1/1	0.93	0.10	52,52,52,52	0
56	MG	2A	3270	1/1	0.93	0.10	58,58,58,58	0
56	MG	20	101	1/1	0.93	0.13	75,75,75,75	0
56	MG	23	101	1/1	0.93	0.41	62,62,62,62	0
56	MG	2A	3569	1/1	0.93	0.07	45,45,45,45	0
56	MG	1A	3889	1/1	0.93	0.10	49,49,49,49	0
56	MG	25	103	1/1	0.93	0.15	60,60,60,60	0
56	MG	1A	3892	1/1	0.93	0.13	43,43,43,43	0
56	MG	2A	3575	1/1	0.93	0.11	34,34,34,34	0
56	MG	2a	1602	1/1	0.93	0.12	67,67,67,67	0
56	MG	1A	3736	1/1	0.93	0.18	60,60,60,60	0
56	MG	1A	3898	1/1	0.93	0.11	55,55,55,55	0
56	MG	2a	1605	1/1	0.93	0.11	60,60,60,60	0
56	MG	1A	3904	1/1	0.93	0.10	36,36,36,36	0
56	MG	1A	3739	1/1	0.93	0.09	53,53,53,53	0
56	MG	2A	3583	1/1	0.93	0.18	57,57,57,57	0
56	MG	1A	3743	1/1	0.93	0.10	51,51,51,51	0
56	MG	2a	1611	1/1	0.93	0.10	46,46,46,46	0
56	MG	1B	223	1/1	0.93	0.11	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3593	1/1	0.93	0.10	37,37,37,37	0
56	MG	1A	3237	1/1	0.93	0.07	59,59,59,59	0
56	MG	1x	111	1/1	0.93	0.15	64,64,64,64	0
56	MG	1A	3429	1/1	0.93	0.17	49,49,49,49	0
56	MG	1A	3600	1/1	0.93	0.15	52,52,52,52	0
56	MG	2a	1622	1/1	0.93	0.33	49,49,49,49	0
56	MG	1a	1671	1/1	0.93	0.21	59,59,59,59	0
56	MG	1A	3192	1/1	0.93	0.28	35,35,35,35	0
56	MG	2A	3294	1/1	0.93	0.09	73,73,73,73	0
56	MG	1A	3198	1/1	0.93	0.25	31,31,31,31	0
56	MG	2A	3604	1/1	0.93	0.14	69,69,69,69	0
56	MG	1A	3093	1/1	0.93	0.08	43,43,43,43	0
56	MG	2A	3013	1/1	0.93	0.07	43,43,43,43	0
56	MG	2a	1633	1/1	0.93	0.19	62,62,62,62	0
56	MG	2A	3017	1/1	0.93	0.13	50,50,50,50	0
56	MG	2A	3300	1/1	0.93	0.14	52,52,52,52	0
56	MG	2A	3611	1/1	0.93	0.12	50,50,50,50	0
56	MG	1A	3933	1/1	0.93	0.11	26,26,26,26	0
56	MG	2A	3615	1/1	0.93	0.16	62,62,62,62	0
56	MG	2A	3302	1/1	0.93	0.08	54,54,54,54	0
56	MG	1A	3760	1/1	0.93	0.21	44,44,44,44	0
56	MG	2A	3023	1/1	0.93	0.33	57,57,57,57	0
56	MG	2a	1646	1/1	0.93	0.35	59,59,59,59	0
56	MG	1D	310	1/1	0.93	0.06	40,40,40,40	0
56	MG	1A	3765	1/1	0.93	0.11	22,22,22,22	0
56	MG	1D	314	1/1	0.93	0.11	31,31,31,31	0
56	MG	2A	3630	1/1	0.93	0.12	41,41,41,41	0
56	MG	1a	1684	1/1	0.93	0.23	58,58,58,58	0
56	MG	2A	3310	1/1	0.93	0.33	62,62,62,62	0
56	MG	2A	3639	1/1	0.93	0.10	40,40,40,40	0
56	MG	1A	3612	1/1	0.93	0.10	23,23,23,23	0
56	MG	1A	3088	1/1	0.93	0.15	28,28,28,28	0
56	MG	2A	3313	1/1	0.93	0.11	60,60,60,60	0
56	MG	1E	311	1/1	0.93	0.09	26,26,26,26	0
56	MG	1A	3209	1/1	0.93	0.13	59,59,59,59	0
56	MG	1A	3776	1/1	0.93	0.09	26,26,26,26	0
56	MG	2A	3657	1/1	0.93	0.09	59,59,59,59	0
56	MG	1E	316	1/1	0.93	0.07	58,58,58,58	0
56	MG	1A	3379	1/1	0.93	0.07	45,45,45,45	0
56	MG	2A	3661	1/1	0.93	0.09	64,64,64,64	0
56	MG	2A	3662	1/1	0.93	0.13	43,43,43,43	0
56	MG	2a	1671	1/1	0.93	0.10	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1672	1/1	0.93	0.19	69,69,69,69	0
56	MG	2a	1673	1/1	0.93	0.21	56,56,56,56	0
56	MG	2A	3323	1/1	0.93	0.10	53,53,53,53	0
56	MG	2A	3055	1/1	0.93	0.08	48,48,48,48	0
56	MG	1A	3210	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	3258	1/1	0.93	0.09	60,60,60,60	0
56	MG	2A	3059	1/1	0.93	0.23	54,54,54,54	0
56	MG	2A	3061	1/1	0.93	0.08	46,46,46,46	0
56	MG	1F	307	1/1	0.93	0.09	40,40,40,40	0
56	MG	2a	1682	1/1	0.93	0.18	62,62,62,62	0
56	MG	1a	1698	1/1	0.93	0.16	62,62,62,62	0
56	MG	1A	3958	1/1	0.93	0.09	39,39,39,39	0
56	MG	1A	3786	1/1	0.93	0.11	27,27,27,27	0
56	MG	2a	1687	1/1	0.93	0.24	58,58,58,58	0
56	MG	1A	3526	1/1	0.93	0.21	43,43,43,43	0
56	MG	2A	3335	1/1	0.93	0.17	63,63,63,63	0
56	MG	2A	3682	1/1	0.93	0.13	51,51,51,51	0
56	MG	2A	3078	1/1	0.93	0.15	46,46,46,46	0
56	MG	2A	3082	1/1	0.93	0.14	54,54,54,54	0
56	MG	1A	3461	1/1	0.93	0.09	54,54,54,54	0
56	MG	2a	1695	1/1	0.93	0.23	62,62,62,62	0
56	MG	1a	1703	1/1	0.93	0.31	67,67,67,67	0
56	MG	2a	1698	1/1	0.93	0.25	64,64,64,64	0
56	MG	1a	1704	1/1	0.93	0.28	52,52,52,52	0
56	MG	2A	3693	1/1	0.93	0.07	68,68,68,68	0
56	MG	1A	3528	1/1	0.93	0.17	43,43,43,43	0
56	MG	1A	3969	1/1	0.93	0.14	65,65,65,65	0
56	MG	2A	3347	1/1	0.93	0.20	57,57,57,57	0
56	MG	2A	3697	1/1	0.93	0.14	35,35,35,35	0
56	MG	1A	3796	1/1	0.93	0.14	47,47,47,47	0
56	MG	1a	1709	1/1	0.93	0.26	69,69,69,69	0
56	MG	2A	3701	1/1	0.93	0.10	55,55,55,55	0
56	MG	1A	3800	1/1	0.93	0.10	16,16,16,16	0
56	MG	2A	3355	1/1	0.93	0.12	62,62,62,62	0
56	MG	1O	202	1/1	0.93	0.17	56,56,56,56	0
56	MG	1A	3122	1/1	0.93	0.10	49,49,49,49	0
56	MG	1A	3390	1/1	0.93	0.09	54,54,54,54	0
56	MG	2a	1726	1/1	0.93	0.12	62,62,62,62	0
56	MG	2A	3102	1/1	0.93	0.08	29,29,29,29	0
56	MG	2a	1728	1/1	0.93	0.17	54,54,54,54	0
56	MG	2a	1729	1/1	0.93	0.11	62,62,62,62	0
56	MG	1A	3391	1/1	0.93	0.09	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1731	1/1	0.93	0.15	66,66,66,66	0
56	MG	1A	3536	1/1	0.93	0.22	59,59,59,59	0
56	MG	2A	3715	1/1	0.93	0.15	62,62,62,62	0
56	MG	2A	3363	1/1	0.93	0.08	68,68,68,68	0
56	MG	1Q	201	1/1	0.93	0.23	37,37,37,37	0
56	MG	2a	1736	1/1	0.93	0.17	61,61,61,61	0
56	MG	1A	3466	1/1	0.93	0.27	62,62,62,62	0
56	MG	1A	3222	1/1	0.93	0.10	43,43,43,43	0
56	MG	2A	3113	1/1	0.93	0.23	62,62,62,62	0
56	MG	1A	3983	1/1	0.93	0.10	51,51,51,51	0
56	MG	1A	3813	1/1	0.93	0.06	42,42,42,42	0
56	MG	2a	1744	1/1	0.93	0.27	59,59,59,59	0
56	MG	2A	3116	1/1	0.93	0.32	60,60,60,60	0
56	MG	2A	3117	1/1	0.93	0.17	48,48,48,48	0
56	MG	1T	202	1/1	0.93	0.14	63,63,63,63	0
56	MG	1U	203	1/1	0.93	0.14	43,43,43,43	0
56	MG	1a	1729	1/1	0.93	0.09	54,54,54,54	0
56	MG	2A	3380	1/1	0.93	0.12	53,53,53,53	0
56	MG	1A	3265	1/1	0.93	0.15	74,74,74,74	0
56	MG	2A	3123	1/1	0.93	0.10	55,55,55,55	0
56	MG	2A	3386	1/1	0.93	0.11	52,52,52,52	0
56	MG	2A	3387	1/1	0.93	0.23	50,50,50,50	0
56	MG	1A	3987	1/1	0.93	0.07	64,64,64,64	0
56	MG	2A	3390	1/1	0.93	0.11	51,51,51,51	0
56	MG	1A	3817	1/1	0.93	0.24	61,61,61,61	0
56	MG	1W	207	1/1	0.93	0.10	49,49,49,49	0
56	MG	1A	3050	1/1	0.93	0.11	15,15,15,15	0
56	MG	1A	3991	1/1	0.93	0.13	27,27,27,27	0
56	MG	1Z	302	1/1	0.93	0.13	49,49,49,49	0
56	MG	1A	3822	1/1	0.93	0.07	27,27,27,27	0
56	MG	2A	3398	1/1	0.93	0.09	54,54,54,54	0
56	MG	1A	3825	1/1	0.93	0.16	42,42,42,42	0
56	MG	11	104	1/1	0.93	0.12	57,57,57,57	0
56	MG	1A	4004	1/1	0.93	0.07	35,35,35,35	0
56	MG	1A	3826	1/1	0.93	0.14	41,41,41,41	0
56	MG	2A	3162	1/1	0.93	0.12	46,46,46,46	0
56	MG	2A	3413	1/1	0.93	0.15	46,46,46,46	0
56	MG	2A	3414	1/1	0.93	0.18	50,50,50,50	0
56	MG	1a	1742	1/1	0.93	0.22	62,62,62,62	0
56	MG	2A	3771	1/1	0.93	0.08	68,68,68,68	0
56	MG	2A	3417	1/1	0.93	0.31	56,56,56,56	0
56	MG	13	104	1/1	0.93	0.14	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3775	1/1	0.93	0.08	61,61,61,61	0
56	MG	2q	201	1/1	0.93	0.08	69,69,69,69	0
56	MG	2A	3420	1/1	0.93	0.10	50,50,50,50	0
56	MG	1A	3668	1/1	0.93	0.09	49,49,49,49	0
56	MG	1A	3175	1/1	0.93	0.06	35,35,35,35	0
56	MG	1a	1748	1/1	0.93	0.11	65,65,65,65	0
56	MG	1A	3831	1/1	0.93	0.14	62,62,62,62	0
56	MG	1A	3336	1/1	0.93	0.22	46,46,46,46	0
56	MG	2x	102	1/1	0.93	0.26	61,61,61,61	0
56	MG	1a	1759	1/1	0.93	0.11	40,40,40,40	0
56	MG	1A	3544	1/1	0.93	0.18	63,63,63,63	0
56	MG	18	101	1/1	0.93	0.21	55,55,55,55	0
56	MG	1A	3428	1/1	0.94	0.17	44,44,44,44	0
56	MG	1A	3345	1/1	0.94	0.19	45,45,45,45	0
56	MG	2A	3175	1/1	0.94	0.16	48,48,48,48	0
56	MG	1A	3518	1/1	0.94	0.27	47,47,47,47	0
56	MG	1A	3519	1/1	0.94	0.16	55,55,55,55	0
56	MG	2A	3184	1/1	0.94	0.27	63,63,63,63	0
56	MG	1a	1765	1/1	0.94	0.08	67,67,67,67	0
56	MG	2A	3442	1/1	0.94	0.10	40,40,40,40	0
56	MG	2A	3799	1/1	0.94	0.15	77,77,77,77	0
56	MG	2A	3443	1/1	0.94	0.35	54,54,54,54	0
56	MG	2A	3444	1/1	0.94	0.12	46,46,46,46	0
56	MG	2A	3804	1/1	0.94	0.13	67,67,67,67	0
56	MG	2A	3805	1/1	0.94	0.06	44,44,44,44	0
56	MG	2A	3445	1/1	0.94	0.33	59,59,59,59	0
56	MG	1A	3006	1/1	0.94	0.12	48,48,48,48	0
56	MG	2A	3811	1/1	0.94	0.10	54,54,54,54	0
56	MG	2A	3813	1/1	0.94	0.07	42,42,42,42	0
56	MG	1a	1768	1/1	0.94	0.11	66,66,66,66	0
56	MG	2A	3449	1/1	0.94	0.27	54,54,54,54	0
56	MG	1A	3431	1/1	0.94	0.06	51,51,51,51	0
56	MG	1a	1770	1/1	0.94	0.07	70,70,70,70	0
56	MG	2A	3452	1/1	0.94	0.24	48,48,48,48	0
56	MG	1A	3434	1/1	0.94	0.18	62,62,62,62	0
56	MG	2A	3196	1/1	0.94	0.26	60,60,60,60	0
56	MG	2A	3835	1/1	0.94	0.08	48,48,48,48	0
56	MG	2A	3456	1/1	0.94	0.07	39,39,39,39	0
56	MG	1A	3671	1/1	0.94	0.07	26,26,26,26	0
56	MG	1A	3435	1/1	0.94	0.08	37,37,37,37	0
56	MG	1A	3436	1/1	0.94	0.17	29,29,29,29	0
56	MG	1a	1777	1/1	0.94	0.17	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3463	1/1	0.94	0.09	55,55,55,55	0
56	MG	2A	3846	1/1	0.94	0.10	56,56,56,56	0
56	MG	1A	3529	1/1	0.94	0.23	42,42,42,42	0
56	MG	1a	1604	1/1	0.94	0.14	74,74,74,74	0
56	MG	2A	3467	1/1	0.94	0.14	51,51,51,51	0
56	MG	2A	3468	1/1	0.94	0.12	46,46,46,46	0
56	MG	1A	3152	1/1	0.94	0.14	31,31,31,31	0
56	MG	2A	3206	1/1	0.94	0.10	43,43,43,43	0
56	MG	2A	3474	1/1	0.94	0.21	57,57,57,57	0
56	MG	1A	3009	1/1	0.94	0.10	28,28,28,28	0
56	MG	2A	3209	1/1	0.94	0.11	48,48,48,48	0
56	MG	2A	3861	1/1	0.94	0.08	35,35,35,35	0
56	MG	1A	4031	1/1	0.94	0.09	45,45,45,45	0
56	MG	2A	3480	1/1	0.94	0.14	47,47,47,47	0
56	MG	2A	3481	1/1	0.94	0.11	49,49,49,49	0
56	MG	1A	3356	1/1	0.94	0.08	50,50,50,50	0
56	MG	1A	3445	1/1	0.94	0.07	45,45,45,45	0
56	MG	2A	3485	1/1	0.94	0.08	40,40,40,40	0
56	MG	1A	3290	1/1	0.94	0.13	48,48,48,48	0
56	MG	1A	3052	1/1	0.94	0.09	25,25,25,25	0
56	MG	2A	3493	1/1	0.94	0.25	61,61,61,61	0
56	MG	1A	3856	1/1	0.94	0.08	47,47,47,47	0
56	MG	1A	3168	1/1	0.94	0.12	34,34,34,34	0
56	MG	1A	4041	1/1	0.94	0.13	40,40,40,40	0
56	MG	2A	3500	1/1	0.94	0.13	55,55,55,55	0
56	MG	1a	1617	1/1	0.94	0.11	59,59,59,59	0
56	MG	1A	3861	1/1	0.94	0.11	51,51,51,51	0
56	MG	1A	3862	1/1	0.94	0.10	34,34,34,34	0
56	MG	2A	3224	1/1	0.94	0.09	48,48,48,48	0
56	MG	1A	3455	1/1	0.94	0.24	59,59,59,59	0
56	MG	2A	3229	1/1	0.94	0.29	44,44,44,44	0
56	MG	1A	3105	1/1	0.94	0.27	64,64,64,64	0
56	MG	1A	3234	1/1	0.94	0.06	42,42,42,42	0
56	MG	1a	1808	1/1	0.94	0.09	52,52,52,52	0
56	MG	1A	3708	1/1	0.94	0.06	23,23,23,23	0
56	MG	2A	3237	1/1	0.94	0.12	58,58,58,58	0
56	MG	2A	3522	1/1	0.94	0.08	35,35,35,35	0
56	MG	1A	3868	1/1	0.94	0.10	26,26,26,26	0
56	MG	2D	303	1/1	0.94	0.09	53,53,53,53	0
56	MG	2E	301	1/1	0.94	0.12	61,61,61,61	0
56	MG	1A	4057	1/1	0.94	0.07	54,54,54,54	0
56	MG	2E	303	1/1	0.94	0.21	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1a	1629	1/1	0.94	0.10	56,56,56,56	0
56	MG	1A	3372	1/1	0.94	0.09	46,46,46,46	0
56	MG	2E	307	1/1	0.94	0.10	31,31,31,31	0
56	MG	1A	3235	1/1	0.94	0.08	56,56,56,56	0
56	MG	2F	304	1/1	0.94	0.15	56,56,56,56	0
56	MG	1A	3547	1/1	0.94	0.12	50,50,50,50	0
56	MG	1A	3550	1/1	0.94	0.14	41,41,41,41	0
56	MG	2A	3248	1/1	0.94	0.06	60,60,60,60	0
56	MG	1a	1822	1/1	0.94	0.08	58,58,58,58	0
56	MG	2A	3251	1/1	0.94	0.18	63,63,63,63	0
56	MG	1A	3173	1/1	0.94	0.18	45,45,45,45	0
56	MG	2R	201	1/1	0.94	0.20	64,64,64,64	0
56	MG	1a	1639	1/1	0.94	0.21	56,56,56,56	0
56	MG	1A	3875	1/1	0.94	0.13	30,30,30,30	0
56	MG	2A	3258	1/1	0.94	0.14	69,69,69,69	0
56	MG	1A	4070	1/1	0.94	0.10	51,51,51,51	0
56	MG	2A	3548	1/1	0.94	0.09	42,42,42,42	0
56	MG	2A	3550	1/1	0.94	0.17	49,49,49,49	0
56	MG	1e	202	1/1	0.94	0.10	59,59,59,59	0
56	MG	1A	3876	1/1	0.94	0.11	41,41,41,41	0
56	MG	2X	101	1/1	0.94	0.10	72,72,72,72	0
56	MG	1A	3244	1/1	0.94	0.23	35,35,35,35	0
56	MG	1A	3879	1/1	0.94	0.12	25,25,25,25	0
56	MG	1f	202	1/1	0.94	0.26	64,64,64,64	0
56	MG	1A	3561	1/1	0.94	0.11	33,33,33,33	0
56	MG	1A	4081	1/1	0.94	0.09	55,55,55,55	0
56	MG	1A	4082	1/1	0.94	0.07	42,42,42,42	0
56	MG	25	105	1/1	0.94	0.07	42,42,42,42	0
56	MG	1A	3311	1/1	0.94	0.08	48,48,48,48	0
56	MG	28	102	1/1	0.94	0.23	61,61,61,61	0
56	MG	28	103	1/1	0.94	0.16	57,57,57,57	0
56	MG	1A	3246	1/1	0.94	0.17	39,39,39,39	0
56	MG	1A	3053	1/1	0.94	0.16	28,28,28,28	0
56	MG	2A	3277	1/1	0.94	0.26	56,56,56,56	0
56	MG	1A	3570	1/1	0.94	0.21	44,44,44,44	0
56	MG	1B	207	1/1	0.94	0.11	40,40,40,40	0
56	MG	1A	3730	1/1	0.94	0.17	52,52,52,52	0
56	MG	1A	3471	1/1	0.94	0.12	48,48,48,48	0
56	MG	1A	3900	1/1	0.94	0.25	39,39,39,39	0
56	MG	1x	110	1/1	0.94	0.12	66,66,66,66	0
56	MG	2A	3285	1/1	0.94	0.14	67,67,67,67	0
56	MG	2A	3584	1/1	0.94	0.12	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1613	1/1	0.94	0.15	62,62,62,62	0
56	MG	1A	3574	1/1	0.94	0.24	37,37,37,37	0
56	MG	1A	3476	1/1	0.94	0.08	63,63,63,63	0
56	MG	1A	3907	1/1	0.94	0.17	42,42,42,42	0
56	MG	2a	1617	1/1	0.94	0.15	60,60,60,60	0
56	MG	2A	3003	1/1	0.94	0.25	53,53,53,53	0
56	MG	2A	3291	1/1	0.94	0.07	53,53,53,53	0
56	MG	1a	1665	1/1	0.94	0.14	70,70,70,70	0
56	MG	1B	222	1/1	0.94	0.09	54,54,54,54	0
56	MG	1A	3576	1/1	0.94	0.20	48,48,48,48	0
56	MG	1A	3577	1/1	0.94	0.12	39,39,39,39	0
56	MG	2A	3011	1/1	0.94	0.13	42,42,42,42	0
56	MG	2a	1629	1/1	0.94	0.16	58,58,58,58	0
56	MG	1a	1669	1/1	0.94	0.10	65,65,65,65	0
56	MG	1A	3479	1/1	0.94	0.20	50,50,50,50	0
56	MG	1A	3750	1/1	0.94	0.17	56,56,56,56	0
56	MG	1A	3314	1/1	0.94	0.22	52,52,52,52	0
56	MG	1a	1673	1/1	0.94	0.09	80,80,80,80	0
56	MG	2A	3609	1/1	0.94	0.06	33,33,33,33	0
56	MG	1A	3920	1/1	0.94	0.07	37,37,37,37	0
56	MG	1A	3481	1/1	0.94	0.19	48,48,48,48	0
56	MG	1B	233	1/1	0.94	0.14	54,54,54,54	0
56	MG	2A	3032	1/1	0.94	0.07	40,40,40,40	0
56	MG	1A	3117	1/1	0.94	0.07	38,38,38,38	0
56	MG	2A	3036	1/1	0.94	0.15	47,47,47,47	0
56	MG	1A	3755	1/1	0.94	0.07	61,61,61,61	0
56	MG	1A	3932	1/1	0.94	0.06	43,43,43,43	0
56	MG	1A	3316	1/1	0.94	0.20	52,52,52,52	0
56	MG	2A	3627	1/1	0.94	0.20	51,51,51,51	0
56	MG	1a	1683	1/1	0.94	0.11	61,61,61,61	0
56	MG	2a	1652	1/1	0.94	0.31	53,53,53,53	0
56	MG	2A	3316	1/1	0.94	0.14	53,53,53,53	0
56	MG	2A	3631	1/1	0.94	0.06	32,32,32,32	0
56	MG	2A	3634	1/1	0.94	0.09	40,40,40,40	0
56	MG	2A	3044	1/1	0.94	0.10	45,45,45,45	0
56	MG	2A	3636	1/1	0.94	0.10	51,51,51,51	0
56	MG	1A	3485	1/1	0.94	0.07	49,49,49,49	0
56	MG	2A	3048	1/1	0.94	0.15	50,50,50,50	0
56	MG	2A	3641	1/1	0.94	0.16	62,62,62,62	0
56	MG	2a	1663	1/1	0.94	0.19	62,62,62,62	0
56	MG	2A	3646	1/1	0.94	0.22	57,57,57,57	0
56	MG	1A	3395	1/1	0.94	0.15	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3649	1/1	0.94	0.12	61,61,61,61	0
56	MG	1E	305	1/1	0.94	0.12	29,29,29,29	0
56	MG	1A	3764	1/1	0.94	0.18	42,42,42,42	0
56	MG	1A	3939	1/1	0.94	0.11	54,54,54,54	0
56	MG	2a	1670	1/1	0.94	0.21	55,55,55,55	0
56	MG	2A	3057	1/1	0.94	0.28	69,69,69,69	0
56	MG	1A	3396	1/1	0.94	0.17	52,52,52,52	0
56	MG	1a	1691	1/1	0.94	0.10	74,74,74,74	0
56	MG	1A	3943	1/1	0.94	0.07	46,46,46,46	0
56	MG	2a	1675	1/1	0.94	0.27	58,58,58,58	0
56	MG	2A	3062	1/1	0.94	0.15	64,64,64,64	0
56	MG	1A	3488	1/1	0.94	0.30	51,51,51,51	0
56	MG	1A	3318	1/1	0.94	0.07	29,29,29,29	0
56	MG	1A	3948	1/1	0.94	0.07	50,50,50,50	0
56	MG	1A	3949	1/1	0.94	0.06	32,32,32,32	0
56	MG	1A	3774	1/1	0.94	0.08	17,17,17,17	0
56	MG	2A	3075	1/1	0.94	0.11	46,46,46,46	0
56	MG	1A	3492	1/1	0.94	0.26	50,50,50,50	0
56	MG	2A	3081	1/1	0.94	0.21	54,54,54,54	0
56	MG	1A	3596	1/1	0.94	0.23	51,51,51,51	0
56	MG	2A	3342	1/1	0.94	0.26	51,51,51,51	0
56	MG	2a	1688	1/1	0.94	0.27	68,68,68,68	0
56	MG	1F	311	1/1	0.94	0.14	45,45,45,45	0
56	MG	2A	3345	1/1	0.94	0.11	56,56,56,56	0
56	MG	1F	312	1/1	0.94	0.14	39,39,39,39	0
56	MG	1A	3777	1/1	0.94	0.05	18,18,18,18	0
56	MG	2A	3348	1/1	0.94	0.08	63,63,63,63	0
56	MG	1A	3961	1/1	0.94	0.07	53,53,53,53	0
56	MG	1a	1705	1/1	0.94	0.26	61,61,61,61	0
56	MG	2A	3685	1/1	0.94	0.11	32,32,32,32	0
56	MG	1A	3493	1/1	0.94	0.08	64,64,64,64	0
56	MG	2A	3690	1/1	0.94	0.09	57,57,57,57	0
56	MG	2A	3354	1/1	0.94	0.09	57,57,57,57	0
56	MG	1A	3323	1/1	0.94	0.08	51,51,51,51	0
56	MG	2a	1702	1/1	0.94	0.12	71,71,71,71	0
56	MG	1A	3325	1/1	0.94	0.07	42,42,42,42	0
56	MG	2a	1704	1/1	0.94	0.12	62,62,62,62	0
56	MG	2a	1705	1/1	0.94	0.16	68,68,68,68	0
56	MG	2A	3357	1/1	0.94	0.13	50,50,50,50	0
56	MG	1N	206	1/1	0.94	0.10	48,48,48,48	0
56	MG	2a	1710	1/1	0.94	0.12	40,40,40,40	0
56	MG	2a	1711	1/1	0.94	0.20	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3251	1/1	0.94	0.07	45,45,45,45	0
56	MG	2a	1714	1/1	0.94	0.22	58,58,58,58	0
56	MG	1A	3186	1/1	0.94	0.14	51,51,51,51	0
56	MG	1A	3408	1/1	0.94	0.18	51,51,51,51	0
56	MG	1A	3004	1/1	0.94	0.13	34,34,34,34	0
56	MG	2a	1720	1/1	0.94	0.15	57,57,57,57	0
56	MG	1a	1715	1/1	0.94	0.38	70,70,70,70	0
56	MG	1A	3191	1/1	0.94	0.16	52,52,52,52	0
56	MG	2A	3107	1/1	0.94	0.08	49,49,49,49	0
56	MG	1A	3030	1/1	0.94	0.17	32,32,32,32	0
56	MG	1a	1719	1/1	0.94	0.15	69,69,69,69	0
56	MG	1A	3617	1/1	0.94	0.14	49,49,49,49	0
56	MG	1A	3195	1/1	0.94	0.07	45,45,45,45	0
56	MG	1A	3626	1/1	0.94	0.09	34,34,34,34	0
56	MG	1Q	207	1/1	0.94	0.14	38,38,38,38	0
56	MG	1A	3636	1/1	0.94	0.07	32,32,32,32	0
56	MG	2A	3716	1/1	0.94	0.10	52,52,52,52	0
56	MG	1A	3810	1/1	0.94	0.21	24,24,24,24	0
56	MG	1A	3637	1/1	0.94	0.07	24,24,24,24	0
56	MG	1T	201	1/1	0.94	0.10	41,41,41,41	0
56	MG	1A	3036	1/1	0.94	0.23	33,33,33,33	0
56	MG	1T	203	1/1	0.94	0.28	59,59,59,59	0
56	MG	1A	3642	1/1	0.94	0.12	44,44,44,44	0
56	MG	1U	209	1/1	0.94	0.10	51,51,51,51	0
56	MG	1A	3047	1/1	0.94	0.05	27,27,27,27	0
56	MG	2A	3729	1/1	0.94	0.17	62,62,62,62	0
56	MG	2A	3389	1/1	0.94	0.07	70,70,70,70	0
56	MG	1A	3201	1/1	0.94	0.18	40,40,40,40	0
56	MG	2A	3134	1/1	0.94	0.10	48,48,48,48	0
56	MG	2A	3135	1/1	0.94	0.09	42,42,42,42	0
56	MG	2A	3136	1/1	0.94	0.19	53,53,53,53	0
56	MG	2A	3394	1/1	0.94	0.11	54,54,54,54	0
56	MG	2A	3138	1/1	0.94	0.07	41,41,41,41	0
56	MG	2A	3140	1/1	0.94	0.12	53,53,53,53	0
56	MG	1A	3990	1/1	0.94	0.08	13,13,13,13	0
56	MG	2A	3741	1/1	0.94	0.12	65,65,65,65	0
56	MG	2A	3145	1/1	0.94	0.14	61,61,61,61	0
56	MG	2A	3147	1/1	0.94	0.28	50,50,50,50	0
56	MG	1W	205	1/1	0.94	0.19	39,39,39,39	0
56	MG	2A	3402	1/1	0.94	0.11	43,43,43,43	0
56	MG	2A	3749	1/1	0.94	0.16	59,59,59,59	0
56	MG	2a	1762	1/1	0.94	0.14	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3139	1/1	0.94	0.17	28,28,28,28	0
56	MG	1A	3995	1/1	0.94	0.21	64,64,64,64	0
56	MG	2A	3752	1/1	0.94	0.09	52,52,52,52	0
56	MG	2a	1768	1/1	0.94	0.25	64,64,64,64	0
56	MG	2A	3153	1/1	0.94	0.12	60,60,60,60	0
56	MG	2A	3407	1/1	0.94	0.21	51,51,51,51	0
56	MG	2A	3408	1/1	0.94	0.20	41,41,41,41	0
56	MG	2A	3409	1/1	0.94	0.23	45,45,45,45	0
56	MG	2A	3411	1/1	0.94	0.20	55,55,55,55	0
56	MG	2A	3154	1/1	0.94	0.08	42,42,42,42	0
56	MG	1A	3142	1/1	0.94	0.25	36,36,36,36	0
56	MG	1Y	203	1/1	0.94	0.22	47,47,47,47	0
56	MG	2A	3763	1/1	0.94	0.14	55,55,55,55	0
56	MG	2A	3159	1/1	0.94	0.21	63,63,63,63	0
56	MG	2A	3418	1/1	0.94	0.17	34,34,34,34	0
56	MG	1Z	301	1/1	0.94	0.12	52,52,52,52	0
56	MG	2A	3769	1/1	0.94	0.17	68,68,68,68	0
56	MG	1A	3999	1/1	0.94	0.07	19,19,19,19	0
56	MG	1A	3824	1/1	0.94	0.09	35,35,35,35	0
56	MG	2A	3422	1/1	0.94	0.27	54,54,54,54	0
56	MG	10	103	1/1	0.94	0.10	37,37,37,37	0
56	MG	2A	3424	1/1	0.94	0.29	52,52,52,52	0
56	MG	2A	3426	1/1	0.94	0.15	55,55,55,55	0
56	MG	1A	3145	1/1	0.94	0.14	49,49,49,49	0
56	MG	2v	102	1/1	0.94	0.10	60,60,60,60	0
56	MG	1a	1752	1/1	0.94	0.06	40,40,40,40	0
56	MG	1A	3652	1/1	0.94	0.07	21,21,21,21	0
56	MG	1A	4008	1/1	0.94	0.13	40,40,40,40	0
56	MG	1A	3427	1/1	0.94	0.09	46,46,46,46	0
56	MG	2x	105	1/1	0.94	0.15	71,71,71,71	0
56	MG	2A	3433	1/1	0.94	0.17	58,58,58,58	0
58	ZN	14	102	1/1	0.94	0.12	125,125,125,125	0
56	MG	1A	3733	1/1	0.95	0.07	47,47,47,47	0
56	MG	1A	4079	1/1	0.95	0.05	38,38,38,38	0
56	MG	2A	3492	1/1	0.95	0.14	52,52,52,52	0
56	MG	2A	3245	1/1	0.95	0.13	70,70,70,70	0
56	MG	1A	3397	1/1	0.95	0.09	48,48,48,48	0
56	MG	2A	3843	1/1	0.95	0.07	61,61,61,61	0
56	MG	1A	3897	1/1	0.95	0.09	44,44,44,44	0
56	MG	1v	101	1/1	0.95	0.11	64,64,64,64	0
56	MG	2A	3499	1/1	0.95	0.13	47,47,47,47	0
56	MG	2A	3847	1/1	0.95	0.06	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3240	1/1	0.95	0.07	42,42,42,42	0
56	MG	2A	3250	1/1	0.95	0.12	55,55,55,55	0
56	MG	1A	3741	1/1	0.95	0.07	52,52,52,52	0
56	MG	1A	4084	1/1	0.95	0.09	49,49,49,49	0
56	MG	1B	201	1/1	0.95	0.09	59,59,59,59	0
56	MG	2A	3506	1/1	0.95	0.16	45,45,45,45	0
56	MG	1x	103	1/1	0.95	0.05	58,58,58,58	0
56	MG	2A	3857	1/1	0.95	0.06	37,37,37,37	0
56	MG	2A	3508	1/1	0.95	0.08	34,34,34,34	0
56	MG	2A	3256	1/1	0.95	0.10	54,54,54,54	0
56	MG	2A	3257	1/1	0.95	0.12	62,62,62,62	0
56	MG	1A	3588	1/1	0.95	0.15	33,33,33,33	0
56	MG	2A	3865	1/1	0.95	0.07	62,62,62,62	0
56	MG	1A	3242	1/1	0.95	0.24	37,37,37,37	0
56	MG	1A	3906	1/1	0.95	0.12	54,54,54,54	0
56	MG	2A	3262	1/1	0.95	0.06	40,40,40,40	0
56	MG	2A	3521	1/1	0.95	0.09	56,56,56,56	0
56	MG	1x	109	1/1	0.95	0.12	67,67,67,67	0
56	MG	2A	3265	1/1	0.95	0.08	56,56,56,56	0
56	MG	1A	3243	1/1	0.95	0.19	33,33,33,33	0
56	MG	2B	203	1/1	0.95	0.15	57,57,57,57	0
56	MG	1A	3115	1/1	0.95	0.12	48,48,48,48	0
56	MG	1A	3018	1/1	0.95	0.16	32,32,32,32	0
56	MG	1x	113	1/1	0.95	0.17	78,78,78,78	0
56	MG	1A	3912	1/1	0.95	0.10	39,39,39,39	0
56	MG	1A	3913	1/1	0.95	0.07	57,57,57,57	0
56	MG	1B	218	1/1	0.95	0.12	48,48,48,48	0
56	MG	2A	3274	1/1	0.95	0.14	52,52,52,52	0
56	MG	1B	219	1/1	0.95	0.17	40,40,40,40	0
56	MG	2A	3541	1/1	0.95	0.12	40,40,40,40	0
56	MG	2A	3006	1/1	0.95	0.26	61,61,61,61	0
56	MG	1A	3405	1/1	0.95	0.10	53,53,53,53	0
56	MG	1a	1662	1/1	0.95	0.13	66,66,66,66	0
56	MG	1A	3247	1/1	0.95	0.20	58,58,58,58	0
56	MG	1A	3120	1/1	0.95	0.13	28,28,28,28	0
56	MG	2A	3016	1/1	0.95	0.20	65,65,65,65	0
56	MG	1A	3919	1/1	0.95	0.07	43,43,43,43	0
56	MG	1A	3319	1/1	0.95	0.15	50,50,50,50	0
56	MG	2D	301	1/1	0.95	0.11	38,38,38,38	0
56	MG	2A	3019	1/1	0.95	0.04	32,32,32,32	0
56	MG	1A	3758	1/1	0.95	0.10	24,24,24,24	0
56	MG	1A	3185	1/1	0.95	0.19	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3288	1/1	0.95	0.35	65,65,65,65	0
56	MG	1A	3602	1/1	0.95	0.09	35,35,35,35	0
56	MG	2A	3027	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	3929	1/1	0.95	0.07	35,35,35,35	0
56	MG	1A	3763	1/1	0.95	0.14	40,40,40,40	0
56	MG	2A	3293	1/1	0.95	0.17	59,59,59,59	0
56	MG	1B	232	1/1	0.95	0.07	50,50,50,50	0
56	MG	2A	3295	1/1	0.95	0.11	53,53,53,53	0
56	MG	2F	306	1/1	0.95	0.21	48,48,48,48	0
56	MG	1A	3031	1/1	0.95	0.07	32,32,32,32	0
56	MG	2A	3034	1/1	0.95	0.09	56,56,56,56	0
56	MG	1A	3127	1/1	0.95	0.16	38,38,38,38	0
56	MG	1A	3768	1/1	0.95	0.09	37,37,37,37	0
56	MG	2A	3040	1/1	0.95	0.09	49,49,49,49	0
56	MG	1B	236	1/1	0.95	0.12	41,41,41,41	0
56	MG	2A	3582	1/1	0.95	0.20	59,59,59,59	0
56	MG	1A	3254	1/1	0.95	0.16	49,49,49,49	0
56	MG	1D	306	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3330	1/1	0.95	0.13	45,45,45,45	0
56	MG	1A	3772	1/1	0.95	0.10	38,38,38,38	0
56	MG	2U	202	1/1	0.95	0.12	54,54,54,54	0
56	MG	2V	201	1/1	0.95	0.25	46,46,46,46	0
56	MG	1D	313	1/1	0.95	0.16	31,31,31,31	0
56	MG	1A	3511	1/1	0.95	0.06	40,40,40,40	0
56	MG	1E	302	1/1	0.95	0.13	39,39,39,39	0
56	MG	1A	3001	1/1	0.95	0.08	31,31,31,31	0
56	MG	1E	306	1/1	0.95	0.15	48,48,48,48	0
56	MG	1A	3945	1/1	0.95	0.13	54,54,54,54	0
56	MG	1a	1689	1/1	0.95	0.16	57,57,57,57	0
56	MG	1A	3621	1/1	0.95	0.11	9,9,9,9	0
56	MG	23	103	1/1	0.95	0.07	41,41,41,41	0
56	MG	1A	3623	1/1	0.95	0.10	42,42,42,42	0
56	MG	25	102	1/1	0.95	0.13	42,42,42,42	0
56	MG	1A	3624	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3951	1/1	0.95	0.05	15,15,15,15	0
56	MG	26	101	1/1	0.95	0.16	55,55,55,55	0
56	MG	1A	3132	1/1	0.95	0.17	39,39,39,39	0
56	MG	2A	3066	1/1	0.95	0.27	56,56,56,56	0
56	MG	2A	3068	1/1	0.95	0.06	44,44,44,44	0
56	MG	1A	3334	1/1	0.95	0.16	54,54,54,54	0
56	MG	1A	3632	1/1	0.95	0.08	59,59,59,59	0
56	MG	1A	3956	1/1	0.95	0.07	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3633	1/1	0.95	0.05	27,27,27,27	0
56	MG	1F	309	1/1	0.95	0.19	30,30,30,30	0
56	MG	2A	3080	1/1	0.95	0.10	46,46,46,46	0
56	MG	1A	3789	1/1	0.95	0.07	31,31,31,31	0
56	MG	1A	3635	1/1	0.95	0.05	24,24,24,24	0
56	MG	2a	1609	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	3791	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3624	1/1	0.95	0.12	61,61,61,61	0
56	MG	2A	3625	1/1	0.95	0.09	39,39,39,39	0
56	MG	2A	3626	1/1	0.95	0.09	50,50,50,50	0
56	MG	1F	313	1/1	0.95	0.12	57,57,57,57	0
56	MG	2A	3628	1/1	0.95	0.09	35,35,35,35	0
56	MG	1A	3792	1/1	0.95	0.05	38,38,38,38	0
56	MG	1A	3966	1/1	0.95	0.08	57,57,57,57	0
56	MG	2A	3337	1/1	0.95	0.11	45,45,45,45	0
56	MG	2a	1619	1/1	0.95	0.12	52,52,52,52	0
56	MG	2a	1620	1/1	0.95	0.06	61,61,61,61	0
56	MG	2A	3632	1/1	0.95	0.12	43,43,43,43	0
56	MG	2A	3633	1/1	0.95	0.10	44,44,44,44	0
56	MG	1A	3426	1/1	0.95	0.17	42,42,42,42	0
56	MG	1A	3043	1/1	0.95	0.16	43,43,43,43	0
56	MG	1A	3134	1/1	0.95	0.10	40,40,40,40	0
56	MG	1N	205	1/1	0.95	0.21	40,40,40,40	0
56	MG	2a	1628	1/1	0.95	0.22	58,58,58,58	0
56	MG	2A	3097	1/1	0.95	0.13	45,45,45,45	0
56	MG	2A	3343	1/1	0.95	0.09	69,69,69,69	0
56	MG	2A	3642	1/1	0.95	0.19	38,38,38,38	0
56	MG	2A	3645	1/1	0.95	0.17	52,52,52,52	0
56	MG	1A	3640	1/1	0.95	0.06	22,22,22,22	0
56	MG	1N	207	1/1	0.95	0.10	49,49,49,49	0
56	MG	1A	3262	1/1	0.95	0.13	49,49,49,49	0
56	MG	1A	3976	1/1	0.95	0.09	38,38,38,38	0
56	MG	1A	3046	1/1	0.95	0.05	39,39,39,39	0
56	MG	2a	1638	1/1	0.95	0.33	60,60,60,60	0
56	MG	1A	3806	1/1	0.95	0.10	48,48,48,48	0
56	MG	2A	3351	1/1	0.95	0.15	56,56,56,56	0
56	MG	1A	3054	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3106	1/1	0.95	0.05	46,46,46,46	0
56	MG	1A	3140	1/1	0.95	0.29	29,29,29,29	0
56	MG	1a	1722	1/1	0.95	0.29	45,45,45,45	0
56	MG	1A	3100	1/1	0.95	0.06	40,40,40,40	0
56	MG	2A	3112	1/1	0.95	0.10	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3342	1/1	0.95	0.09	40,40,40,40	0
56	MG	1A	3102	1/1	0.95	0.07	46,46,46,46	0
56	MG	1Q	205	1/1	0.95	0.09	49,49,49,49	0
56	MG	1A	3269	1/1	0.95	0.14	48,48,48,48	0
56	MG	2A	3667	1/1	0.95	0.12	35,35,35,35	0
56	MG	2A	3668	1/1	0.95	0.07	48,48,48,48	0
56	MG	1A	3657	1/1	0.95	0.08	35,35,35,35	0
56	MG	1A	3086	1/1	0.95	0.17	37,37,37,37	0
56	MG	1A	3821	1/1	0.95	0.11	41,41,41,41	0
56	MG	2A	3674	1/1	0.95	0.07	52,52,52,52	0
56	MG	2a	1661	1/1	0.95	0.15	51,51,51,51	0
56	MG	2A	3365	1/1	0.95	0.10	52,52,52,52	0
56	MG	1A	3660	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3351	1/1	0.95	0.10	52,52,52,52	0
56	MG	1A	3213	1/1	0.95	0.07	36,36,36,36	0
56	MG	2A	3679	1/1	0.95	0.18	56,56,56,56	0
56	MG	2A	3124	1/1	0.95	0.24	68,68,68,68	0
56	MG	2A	3125	1/1	0.95	0.31	57,57,57,57	0
56	MG	1A	3220	1/1	0.95	0.36	39,39,39,39	0
56	MG	2A	3127	1/1	0.95	0.10	61,61,61,61	0
56	MG	2A	3376	1/1	0.95	0.22	52,52,52,52	0
56	MG	2A	3686	1/1	0.95	0.08	61,61,61,61	0
56	MG	2A	3128	1/1	0.95	0.21	58,58,58,58	0
56	MG	1A	3450	1/1	0.95	0.11	46,46,46,46	0
56	MG	2A	3131	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3452	1/1	0.95	0.16	43,43,43,43	0
56	MG	2A	3382	1/1	0.95	0.10	53,53,53,53	0
56	MG	1V	205	1/1	0.95	0.10	39,39,39,39	0
56	MG	2A	3384	1/1	0.95	0.15	50,50,50,50	0
56	MG	1A	3830	1/1	0.95	0.19	47,47,47,47	0
56	MG	1W	201	1/1	0.95	0.07	34,34,34,34	0
56	MG	1A	3277	1/1	0.95	0.06	43,43,43,43	0
56	MG	1W	203	1/1	0.95	0.06	38,38,38,38	0
56	MG	2A	3700	1/1	0.95	0.20	61,61,61,61	0
56	MG	2A	3139	1/1	0.95	0.17	61,61,61,61	0
56	MG	1A	4007	1/1	0.95	0.11	47,47,47,47	0
56	MG	2A	3141	1/1	0.95	0.26	50,50,50,50	0
56	MG	2A	3142	1/1	0.95	0.15	40,40,40,40	0
56	MG	2A	3143	1/1	0.95	0.15	48,48,48,48	0
56	MG	1W	206	1/1	0.95	0.12	29,29,29,29	0
56	MG	1A	3280	1/1	0.95	0.08	39,39,39,39	0
56	MG	1A	3360	1/1	0.95	0.13	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3676	1/1	0.95	0.05	19,19,19,19	0
56	MG	1A	3459	1/1	0.95	0.07	43,43,43,43	0
56	MG	1A	3282	1/1	0.95	0.13	34,34,34,34	0
56	MG	2A	3400	1/1	0.95	0.06	59,59,59,59	0
56	MG	1A	3681	1/1	0.95	0.08	34,34,34,34	0
56	MG	1A	3363	1/1	0.95	0.11	37,37,37,37	0
56	MG	1A	3283	1/1	0.95	0.51	44,44,44,44	0
56	MG	10	104	1/1	0.95	0.17	61,61,61,61	0
56	MG	1A	3685	1/1	0.95	0.08	27,27,27,27	0
56	MG	11	101	1/1	0.95	0.20	33,33,33,33	0
56	MG	1A	4019	1/1	0.95	0.10	55,55,55,55	0
56	MG	2A	3728	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	3686	1/1	0.95	0.13	55,55,55,55	0
56	MG	2A	3410	1/1	0.95	0.21	47,47,47,47	0
56	MG	2a	1712	1/1	0.95	0.09	56,56,56,56	0
56	MG	1a	1767	1/1	0.95	0.18	49,49,49,49	0
56	MG	2A	3412	1/1	0.95	0.21	44,44,44,44	0
56	MG	12	102	1/1	0.95	0.08	49,49,49,49	0
56	MG	2a	1716	1/1	0.95	0.30	53,53,53,53	0
56	MG	1A	3846	1/1	0.95	0.15	46,46,46,46	0
56	MG	2a	1718	1/1	0.95	0.11	54,54,54,54	0
56	MG	1A	3104	1/1	0.95	0.10	51,51,51,51	0
56	MG	1A	3553	1/1	0.95	0.23	33,33,33,33	0
56	MG	1A	3155	1/1	0.95	0.10	45,45,45,45	0
56	MG	15	103	1/1	0.95	0.32	44,44,44,44	0
56	MG	15	106	1/1	0.95	0.15	45,45,45,45	0
56	MG	1a	1776	1/1	0.95	0.06	59,59,59,59	0
56	MG	1A	4028	1/1	0.95	0.10	57,57,57,57	0
56	MG	2A	3179	1/1	0.95	0.27	60,60,60,60	0
56	MG	2A	3181	1/1	0.95	0.12	38,38,38,38	0
56	MG	1A	3555	1/1	0.95	0.31	51,51,51,51	0
56	MG	2A	3183	1/1	0.95	0.12	54,54,54,54	0
56	MG	1A	3699	1/1	0.95	0.08	36,36,36,36	0
56	MG	17	104	1/1	0.95	0.09	39,39,39,39	0
56	MG	17	106	1/1	0.95	0.12	53,53,53,53	0
56	MG	1A	3556	1/1	0.95	0.22	44,44,44,44	0
56	MG	2A	3189	1/1	0.95	0.07	58,58,58,58	0
56	MG	1A	3559	1/1	0.95	0.19	33,33,33,33	0
56	MG	18	104	1/1	0.95	0.14	46,46,46,46	0
56	MG	1A	3702	1/1	0.95	0.11	38,38,38,38	0
56	MG	2a	1739	1/1	0.95	0.09	50,50,50,50	0
56	MG	1A	4035	1/1	0.95	0.07	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1741	1/1	0.95	0.13	53,53,53,53	0
56	MG	1a	1789	1/1	0.95	0.12	70,70,70,70	0
56	MG	1A	3370	1/1	0.95	0.16	51,51,51,51	0
56	MG	1A	3562	1/1	0.95	0.35	41,41,41,41	0
56	MG	2A	3766	1/1	0.95	0.11	56,56,56,56	0
56	MG	2A	3441	1/1	0.95	0.19	50,50,50,50	0
56	MG	2a	1747	1/1	0.95	0.18	65,65,65,65	0
56	MG	1A	3705	1/1	0.95	0.08	29,29,29,29	0
56	MG	1A	4040	1/1	0.95	0.11	37,37,37,37	0
56	MG	1a	1797	1/1	0.95	0.10	68,68,68,68	0
56	MG	1A	3865	1/1	0.95	0.10	36,36,36,36	0
56	MG	1A	4042	1/1	0.95	0.10	47,47,47,47	0
56	MG	1A	3371	1/1	0.95	0.11	58,58,58,58	0
56	MG	2A	3448	1/1	0.95	0.24	56,56,56,56	0
56	MG	1A	4044	1/1	0.95	0.09	22,22,22,22	0
56	MG	1a	1805	1/1	0.95	0.18	71,71,71,71	0
56	MG	2a	1758	1/1	0.95	0.23	56,56,56,56	0
56	MG	1A	3158	1/1	0.95	0.12	33,33,33,33	0
56	MG	1a	1807	1/1	0.95	0.14	57,57,57,57	0
56	MG	2A	3213	1/1	0.95	0.17	54,54,54,54	0
56	MG	1a	1612	1/1	0.95	0.17	58,58,58,58	0
56	MG	1A	3711	1/1	0.95	0.09	32,32,32,32	0
56	MG	2A	3788	1/1	0.95	0.17	41,41,41,41	0
56	MG	2a	1766	1/1	0.95	0.08	47,47,47,47	0
56	MG	1A	3229	1/1	0.95	0.11	43,43,43,43	0
56	MG	1A	3297	1/1	0.95	0.07	45,45,45,45	0
56	MG	2a	1769	1/1	0.95	0.10	70,70,70,70	0
56	MG	1A	3060	1/1	0.95	0.10	38,38,38,38	0
56	MG	1A	3107	1/1	0.95	0.15	34,34,34,34	0
56	MG	2A	3793	1/1	0.95	0.07	72,72,72,72	0
56	MG	1A	4055	1/1	0.95	0.09	62,62,62,62	0
56	MG	2A	3222	1/1	0.95	0.25	40,40,40,40	0
56	MG	1A	3300	1/1	0.95	0.10	47,47,47,47	0
56	MG	1A	3389	1/1	0.95	0.19	37,37,37,37	0
56	MG	1A	3719	1/1	0.95	0.18	53,53,53,53	0
56	MG	2A	3800	1/1	0.95	0.07	53,53,53,53	0
56	MG	2A	3228	1/1	0.95	0.23	44,44,44,44	0
56	MG	2A	3471	1/1	0.95	0.16	62,62,62,62	0
56	MG	2A	3472	1/1	0.95	0.23	48,48,48,48	0
56	MG	1a	1625	1/1	0.95	0.10	57,57,57,57	0
56	MG	1A	3110	1/1	0.95	0.16	36,36,36,36	0
56	MG	1A	3171	1/1	0.95	0.28	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3883	1/1	0.95	0.06	14,14,14,14	0
56	MG	2A	3812	1/1	0.95	0.06	41,41,41,41	0
56	MG	1A	4068	1/1	0.95	0.10	29,29,29,29	0
56	MG	1A	3305	1/1	0.95	0.29	40,40,40,40	0
56	MG	2A	3238	1/1	0.95	0.08	44,44,44,44	0
56	MG	2A	3816	1/1	0.95	0.07	37,37,37,37	0
56	MG	2A	3482	1/1	0.95	0.17	66,66,66,66	0
56	MG	1A	3062	1/1	0.95	0.09	31,31,31,31	0
56	MG	1A	3308	1/1	0.95	0.10	30,30,30,30	0
56	MG	2A	3823	1/1	0.95	0.09	28,28,28,28	0
56	MG	1A	3309	1/1	0.95	0.14	36,36,36,36	0
56	MG	2x	106	1/1	0.95	0.10	76,76,76,76	0
56	MG	2A	3833	1/1	0.95	0.14	63,63,63,63	0
56	MG	2A	3486	1/1	0.95	0.11	48,48,48,48	0
58	ZN	24	501	1/1	0.95	0.17	131,131,131,131	0
56	MG	1A	3400	1/1	0.96	0.08	38,38,38,38	0
56	MG	2A	3515	1/1	0.96	0.08	46,46,46,46	0
56	MG	2A	3001	1/1	0.96	0.43	60,60,60,60	0
56	MG	1A	3740	1/1	0.96	0.08	55,55,55,55	0
56	MG	1A	3594	1/1	0.96	0.16	29,29,29,29	0
56	MG	2A	3264	1/1	0.96	0.09	49,49,49,49	0
56	MG	1B	214	1/1	0.96	0.05	48,48,48,48	0
56	MG	1A	3595	1/1	0.96	0.12	49,49,49,49	0
56	MG	2A	3523	1/1	0.96	0.14	52,52,52,52	0
56	MG	1A	3329	1/1	0.96	0.22	49,49,49,49	0
56	MG	1A	3746	1/1	0.96	0.05	21,21,21,21	0
56	MG	1A	3597	1/1	0.96	0.11	44,44,44,44	0
56	MG	1A	3402	1/1	0.96	0.23	43,43,43,43	0
56	MG	1A	3128	1/1	0.96	0.37	33,33,33,33	0
56	MG	2A	3272	1/1	0.96	0.11	59,59,59,59	0
56	MG	2A	3858	1/1	0.96	0.05	48,48,48,48	0
56	MG	2A	3014	1/1	0.96	0.12	47,47,47,47	0
56	MG	2A	3533	1/1	0.96	0.13	44,44,44,44	0
56	MG	2A	3015	1/1	0.96	0.06	42,42,42,42	0
56	MG	2A	3863	1/1	0.96	0.06	60,60,60,60	0
56	MG	1a	1658	1/1	0.96	0.06	49,49,49,49	0
56	MG	2A	3538	1/1	0.96	0.14	61,61,61,61	0
56	MG	1A	3918	1/1	0.96	0.10	45,45,45,45	0
56	MG	1A	3496	1/1	0.96	0.06	45,45,45,45	0
56	MG	2A	3278	1/1	0.96	0.08	38,38,38,38	0
56	MG	1A	3753	1/1	0.96	0.07	43,43,43,43	0
56	MG	1A	3331	1/1	0.96	0.21	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3022	1/1	0.96	0.14	31,31,31,31	0
56	MG	1A	3922	1/1	0.96	0.06	15,15,15,15	0
56	MG	1A	3066	1/1	0.96	0.12	43,43,43,43	0
56	MG	2A	3025	1/1	0.96	0.43	48,48,48,48	0
56	MG	1A	3924	1/1	0.96	0.10	56,56,56,56	0
56	MG	2A	3553	1/1	0.96	0.09	34,34,34,34	0
56	MG	2A	3029	1/1	0.96	0.14	58,58,58,58	0
56	MG	2A	3555	1/1	0.96	0.09	50,50,50,50	0
56	MG	2A	3556	1/1	0.96	0.10	33,33,33,33	0
56	MG	1A	3224	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	3605	1/1	0.96	0.07	40,40,40,40	0
56	MG	2A	3559	1/1	0.96	0.06	37,37,37,37	0
56	MG	2A	3560	1/1	0.96	0.08	34,34,34,34	0
56	MG	1A	3169	1/1	0.96	0.20	40,40,40,40	0
56	MG	1A	3049	1/1	0.96	0.07	31,31,31,31	0
56	MG	1A	3411	1/1	0.96	0.07	51,51,51,51	0
56	MG	2A	3035	1/1	0.96	0.14	42,42,42,42	0
56	MG	1D	302	1/1	0.96	0.08	43,43,43,43	0
56	MG	1A	3070	1/1	0.96	0.07	42,42,42,42	0
56	MG	1A	3615	1/1	0.96	0.09	50,50,50,50	0
56	MG	1D	307	1/1	0.96	0.14	37,37,37,37	0
56	MG	1D	308	1/1	0.96	0.15	38,38,38,38	0
56	MG	2A	3572	1/1	0.96	0.10	39,39,39,39	0
56	MG	2A	3573	1/1	0.96	0.08	37,37,37,37	0
56	MG	2A	3574	1/1	0.96	0.10	25,25,25,25	0
56	MG	1a	1677	1/1	0.96	0.15	55,55,55,55	0
56	MG	1D	309	1/1	0.96	0.22	44,44,44,44	0
56	MG	1A	3092	1/1	0.96	0.12	37,37,37,37	0
56	MG	2A	3046	1/1	0.96	0.08	45,45,45,45	0
56	MG	2A	3579	1/1	0.96	0.09	24,24,24,24	0
56	MG	2F	303	1/1	0.96	0.06	43,43,43,43	0
56	MG	2A	3580	1/1	0.96	0.06	52,52,52,52	0
56	MG	1a	1680	1/1	0.96	0.07	82,82,82,82	0
56	MG	2A	3049	1/1	0.96	0.05	29,29,29,29	0
56	MG	2G	201	1/1	0.96	0.13	66,66,66,66	0
56	MG	1A	3940	1/1	0.96	0.11	83,83,83,83	0
56	MG	2A	3051	1/1	0.96	0.15	55,55,55,55	0
56	MG	1A	3618	1/1	0.96	0.13	52,52,52,52	0
56	MG	1A	3770	1/1	0.96	0.08	28,28,28,28	0
56	MG	2Q	202	1/1	0.96	0.22	53,53,53,53	0
56	MG	1E	301	1/1	0.96	0.17	49,49,49,49	0
56	MG	1A	3619	1/1	0.96	0.07	19,19,19,19	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3620	1/1	0.96	0.05	37,37,37,37	0
56	MG	1A	3946	1/1	0.96	0.08	49,49,49,49	0
56	MG	1A	3506	1/1	0.96	0.11	33,33,33,33	0
56	MG	2A	3597	1/1	0.96	0.06	36,36,36,36	0
56	MG	1A	3416	1/1	0.96	0.13	37,37,37,37	0
56	MG	2U	201	1/1	0.96	0.16	59,59,59,59	0
56	MG	1A	3418	1/1	0.96	0.13	53,53,53,53	0
56	MG	2A	3064	1/1	0.96	0.12	49,49,49,49	0
56	MG	1A	3279	1/1	0.96	0.05	40,40,40,40	0
56	MG	2A	3603	1/1	0.96	0.06	52,52,52,52	0
56	MG	1A	3420	1/1	0.96	0.10	52,52,52,52	0
56	MG	2W	204	1/1	0.96	0.04	53,53,53,53	0
56	MG	2A	3067	1/1	0.96	0.09	42,42,42,42	0
56	MG	1a	1693	1/1	0.96	0.34	62,62,62,62	0
56	MG	2A	3069	1/1	0.96	0.14	50,50,50,50	0
56	MG	21	101	1/1	0.96	0.10	60,60,60,60	0
56	MG	2A	3608	1/1	0.96	0.11	55,55,55,55	0
56	MG	2A	3070	1/1	0.96	0.21	52,52,52,52	0
56	MG	1A	3628	1/1	0.96	0.09	36,36,36,36	0
56	MG	1A	3782	1/1	0.96	0.04	23,23,23,23	0
56	MG	1A	3955	1/1	0.96	0.10	41,41,41,41	0
56	MG	2A	3614	1/1	0.96	0.15	48,48,48,48	0
56	MG	25	104	1/1	0.96	0.05	41,41,41,41	0
56	MG	1A	3630	1/1	0.96	0.11	40,40,40,40	0
56	MG	2A	3616	1/1	0.96	0.09	44,44,44,44	0
56	MG	1A	3784	1/1	0.96	0.11	50,50,50,50	0
56	MG	2A	3079	1/1	0.96	0.13	55,55,55,55	0
56	MG	1F	308	1/1	0.96	0.18	23,23,23,23	0
56	MG	1A	3073	1/1	0.96	0.08	30,30,30,30	0
56	MG	1A	3513	1/1	0.96	0.08	45,45,45,45	0
56	MG	2A	3623	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	3634	1/1	0.96	0.07	34,34,34,34	0
56	MG	2A	3086	1/1	0.96	0.14	56,56,56,56	0
56	MG	1A	3136	1/1	0.96	0.06	46,46,46,46	0
56	MG	2A	3088	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3236	1/1	0.96	0.11	43,43,43,43	0
56	MG	1A	3967	1/1	0.96	0.11	59,59,59,59	0
56	MG	2A	3092	1/1	0.96	0.37	52,52,52,52	0
56	MG	1A	3284	1/1	0.96	0.24	31,31,31,31	0
56	MG	1G	203	1/1	0.96	0.07	80,80,80,80	0
56	MG	1A	3793	1/1	0.96	0.11	21,21,21,21	0
56	MG	1A	3970	1/1	0.96	0.08	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3343	1/1	0.96	0.23	44,44,44,44	0
56	MG	2A	3098	1/1	0.96	0.09	53,53,53,53	0
56	MG	2A	3349	1/1	0.96	0.14	62,62,62,62	0
56	MG	1N	204	1/1	0.96	0.07	45,45,45,45	0
56	MG	2A	3640	1/1	0.96	0.08	49,49,49,49	0
56	MG	1A	3639	1/1	0.96	0.11	33,33,33,33	0
56	MG	1A	3973	1/1	0.96	0.09	55,55,55,55	0
56	MG	2A	3644	1/1	0.96	0.07	51,51,51,51	0
56	MG	1A	3061	1/1	0.96	0.19	48,48,48,48	0
56	MG	1a	1716	1/1	0.96	0.17	57,57,57,57	0
56	MG	2A	3647	1/1	0.96	0.10	57,57,57,57	0
56	MG	1A	3287	1/1	0.96	0.11	39,39,39,39	0
56	MG	2a	1627	1/1	0.96	0.20	56,56,56,56	0
56	MG	1A	3288	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	3803	1/1	0.96	0.05	32,32,32,32	0
56	MG	2A	3651	1/1	0.96	0.06	59,59,59,59	0
56	MG	2A	3652	1/1	0.96	0.06	61,61,61,61	0
56	MG	1A	3522	1/1	0.96	0.24	41,41,41,41	0
56	MG	1a	1721	1/1	0.96	0.08	45,45,45,45	0
56	MG	1A	3805	1/1	0.96	0.15	52,52,52,52	0
56	MG	1A	3238	1/1	0.96	0.17	32,32,32,32	0
56	MG	1P	202	1/1	0.96	0.23	30,30,30,30	0
56	MG	2A	3658	1/1	0.96	0.06	38,38,38,38	0
56	MG	1P	203	1/1	0.96	0.20	31,31,31,31	0
56	MG	2a	1639	1/1	0.96	0.20	55,55,55,55	0
56	MG	1A	3646	1/1	0.96	0.07	16,16,16,16	0
56	MG	1A	3239	1/1	0.96	0.09	20,20,20,20	0
56	MG	1A	3985	1/1	0.96	0.05	43,43,43,43	0
56	MG	1A	3292	1/1	0.96	0.07	35,35,35,35	0
56	MG	1A	3649	1/1	0.96	0.10	25,25,25,25	0
56	MG	1R	202	1/1	0.96	0.18	43,43,43,43	0
56	MG	2a	1648	1/1	0.96	0.13	64,64,64,64	0
56	MG	1A	3354	1/1	0.96	0.13	33,33,33,33	0
56	MG	1A	3653	1/1	0.96	0.07	24,24,24,24	0
56	MG	1A	3816	1/1	0.96	0.19	47,47,47,47	0
56	MG	2A	3669	1/1	0.96	0.13	55,55,55,55	0
56	MG	2A	3670	1/1	0.96	0.25	77,77,77,77	0
56	MG	1A	3114	1/1	0.96	0.11	38,38,38,38	0
56	MG	1A	3655	1/1	0.96	0.14	44,44,44,44	0
56	MG	1A	3656	1/1	0.96	0.08	35,35,35,35	0
56	MG	1A	3530	1/1	0.96	0.21	49,49,49,49	0
56	MG	1U	205	1/1	0.96	0.05	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3381	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3077	1/1	0.96	0.05	27,27,27,27	0
56	MG	1A	4003	1/1	0.96	0.10	55,55,55,55	0
56	MG	2a	1662	1/1	0.96	0.17	58,58,58,58	0
56	MG	1V	202	1/1	0.96	0.08	34,34,34,34	0
56	MG	1A	3532	1/1	0.96	0.24	49,49,49,49	0
56	MG	2A	3681	1/1	0.96	0.07	58,58,58,58	0
56	MG	1a	1745	1/1	0.96	0.23	55,55,55,55	0
56	MG	1A	3437	1/1	0.96	0.08	47,47,47,47	0
56	MG	1A	3439	1/1	0.96	0.13	31,31,31,31	0
56	MG	1A	3011	1/1	0.96	0.10	33,33,33,33	0
56	MG	1a	1751	1/1	0.96	0.10	38,38,38,38	0
56	MG	2A	3687	1/1	0.96	0.06	62,62,62,62	0
56	MG	1A	3664	1/1	0.96	0.09	21,21,21,21	0
56	MG	1A	3537	1/1	0.96	0.18	42,42,42,42	0
56	MG	1a	1754	1/1	0.96	0.06	60,60,60,60	0
56	MG	1a	1755	1/1	0.96	0.10	55,55,55,55	0
56	MG	1A	3146	1/1	0.96	0.12	54,54,54,54	0
56	MG	1a	1758	1/1	0.96	0.07	41,41,41,41	0
56	MG	1A	3362	1/1	0.96	0.15	51,51,51,51	0
56	MG	2A	3150	1/1	0.96	0.11	51,51,51,51	0
56	MG	1X	101	1/1	0.96	0.05	23,23,23,23	0
56	MG	1X	103	1/1	0.96	0.14	40,40,40,40	0
56	MG	1X	105	1/1	0.96	0.20	41,41,41,41	0
56	MG	2a	1683	1/1	0.96	0.09	63,63,63,63	0
56	MG	1A	3670	1/1	0.96	0.05	26,26,26,26	0
56	MG	1A	4014	1/1	0.96	0.09	47,47,47,47	0
56	MG	2A	3702	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	3245	1/1	0.96	0.15	46,46,46,46	0
56	MG	1A	3673	1/1	0.96	0.09	30,30,30,30	0
56	MG	1A	3446	1/1	0.96	0.09	45,45,45,45	0
56	MG	1A	3447	1/1	0.96	0.09	43,43,43,43	0
56	MG	1A	3364	1/1	0.96	0.13	45,45,45,45	0
56	MG	1A	3150	1/1	0.96	0.09	40,40,40,40	0
56	MG	1A	3197	1/1	0.96	0.14	25,25,25,25	0
56	MG	1A	3451	1/1	0.96	0.10	53,53,53,53	0
56	MG	2A	3714	1/1	0.96	0.07	35,35,35,35	0
56	MG	11	103	1/1	0.96	0.06	36,36,36,36	0
56	MG	1A	3118	1/1	0.96	0.12	34,34,34,34	0
56	MG	2A	3415	1/1	0.96	0.21	39,39,39,39	0
56	MG	1A	3551	1/1	0.96	0.12	27,27,27,27	0
56	MG	1A	3851	1/1	0.96	0.06	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3172	1/1	0.96	0.09	57,57,57,57	0
56	MG	2A	3722	1/1	0.96	0.18	64,64,64,64	0
56	MG	1A	3453	1/1	0.96	0.27	62,62,62,62	0
56	MG	2A	3174	1/1	0.96	0.12	37,37,37,37	0
56	MG	2A	3725	1/1	0.96	0.12	53,53,53,53	0
56	MG	1A	3687	1/1	0.96	0.05	20,20,20,20	0
56	MG	2a	1709	1/1	0.96	0.06	53,53,53,53	0
56	MG	1A	3084	1/1	0.96	0.09	43,43,43,43	0
56	MG	2A	3178	1/1	0.96	0.10	45,45,45,45	0
56	MG	1A	3153	1/1	0.96	0.25	35,35,35,35	0
56	MG	1a	1783	1/1	0.96	0.11	54,54,54,54	0
56	MG	15	102	1/1	0.96	0.27	29,29,29,29	0
56	MG	1A	3857	1/1	0.96	0.09	43,43,43,43	0
56	MG	1A	3693	1/1	0.96	0.08	36,36,36,36	0
56	MG	1A	4037	1/1	0.96	0.09	27,27,27,27	0
56	MG	2A	3186	1/1	0.96	0.05	60,60,60,60	0
56	MG	1A	3860	1/1	0.96	0.06	23,23,23,23	0
56	MG	1a	1790	1/1	0.96	0.08	76,76,76,76	0
56	MG	1a	1791	1/1	0.96	0.18	61,61,61,61	0
56	MG	2A	3191	1/1	0.96	0.06	65,65,65,65	0
56	MG	2A	3742	1/1	0.96	0.06	33,33,33,33	0
56	MG	1A	3252	1/1	0.96	0.12	40,40,40,40	0
56	MG	2A	3193	1/1	0.96	0.10	55,55,55,55	0
56	MG	17	103	1/1	0.96	0.17	45,45,45,45	0
56	MG	1A	3373	1/1	0.96	0.23	39,39,39,39	0
56	MG	17	105	1/1	0.96	0.11	39,39,39,39	0
56	MG	1A	3558	1/1	0.96	0.07	49,49,49,49	0
56	MG	1A	3374	1/1	0.96	0.12	34,34,34,34	0
56	MG	18	102	1/1	0.96	0.10	33,33,33,33	0
56	MG	1a	1801	1/1	0.96	0.13	57,57,57,57	0
56	MG	1a	1802	1/1	0.96	0.06	68,68,68,68	0
56	MG	2A	3202	1/1	0.96	0.16	56,56,56,56	0
56	MG	1A	3310	1/1	0.96	0.11	45,45,45,45	0
56	MG	1A	3463	1/1	0.96	0.06	65,65,65,65	0
56	MG	1A	3376	1/1	0.96	0.07	42,42,42,42	0
56	MG	1A	3378	1/1	0.96	0.19	40,40,40,40	0
56	MG	1A	3205	1/1	0.96	0.07	33,33,33,33	0
56	MG	2A	3762	1/1	0.96	0.07	62,62,62,62	0
56	MG	1A	3381	1/1	0.96	0.10	53,53,53,53	0
56	MG	1A	3154	1/1	0.96	0.10	35,35,35,35	0
56	MG	1A	3035	1/1	0.96	0.17	23,23,23,23	0
56	MG	1A	4054	1/1	0.96	0.07	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3458	1/1	0.96	0.20	44,44,44,44	0
56	MG	1A	3126	1/1	0.96	0.13	49,49,49,49	0
56	MG	2A	3770	1/1	0.96	0.05	46,46,46,46	0
56	MG	1a	1815	1/1	0.96	0.16	63,63,63,63	0
56	MG	1A	4056	1/1	0.96	0.05	40,40,40,40	0
56	MG	1A	3388	1/1	0.96	0.23	45,45,45,45	0
56	MG	1A	3477	1/1	0.96	0.06	48,48,48,48	0
56	MG	2A	3776	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	4060	1/1	0.96	0.05	11,11,11,11	0
56	MG	2a	1755	1/1	0.96	0.19	68,68,68,68	0
56	MG	1A	3160	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	3055	1/1	0.96	0.07	51,51,51,51	0
56	MG	2A	3780	1/1	0.96	0.07	57,57,57,57	0
56	MG	1A	3881	1/1	0.96	0.08	22,22,22,22	0
56	MG	2A	3470	1/1	0.96	0.15	53,53,53,53	0
56	MG	1A	3259	1/1	0.96	0.10	25,25,25,25	0
56	MG	1A	3261	1/1	0.96	0.05	29,29,29,29	0
56	MG	2A	3226	1/1	0.96	0.07	30,30,30,30	0
56	MG	1A	3723	1/1	0.96	0.14	47,47,47,47	0
56	MG	2A	3475	1/1	0.96	0.15	55,55,55,55	0
56	MG	2A	3476	1/1	0.96	0.09	69,69,69,69	0
56	MG	1A	3886	1/1	0.96	0.15	39,39,39,39	0
56	MG	1A	3887	1/1	0.96	0.07	46,46,46,46	0
56	MG	1A	3320	1/1	0.96	0.18	59,59,59,59	0
56	MG	1A	3585	1/1	0.96	0.14	41,41,41,41	0
56	MG	1A	4075	1/1	0.96	0.09	50,50,50,50	0
56	MG	2A	3236	1/1	0.96	0.06	49,49,49,49	0
56	MG	1A	3890	1/1	0.96	0.14	43,43,43,43	0
56	MG	1A	3322	1/1	0.96	0.23	37,37,37,37	0
56	MG	1m	3001	1/1	0.96	0.06	74,74,74,74	0
56	MG	2A	3240	1/1	0.96	0.07	68,68,68,68	0
56	MG	1A	3894	1/1	0.96	0.04	35,35,35,35	0
56	MG	2e	201	1/1	0.96	0.06	57,57,57,57	0
56	MG	2f	201	1/1	0.96	0.11	51,51,51,51	0
56	MG	2A	3490	1/1	0.96	0.16	46,46,46,46	0
56	MG	1p	101	1/1	0.96	0.23	61,61,61,61	0
56	MG	1A	3895	1/1	0.96	0.16	44,44,44,44	0
56	MG	1A	3216	1/1	0.96	0.09	38,38,38,38	0
56	MG	1a	1632	1/1	0.96	0.18	64,64,64,64	0
56	MG	1v	104	1/1	0.96	0.10	70,70,70,70	0
56	MG	1w	401	1/1	0.96	0.08	59,59,59,59	0
56	MG	1A	3218	1/1	0.96	0.12	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1a	1636	1/1	0.96	0.25	62,62,62,62	0
56	MG	2A	3501	1/1	0.96	0.11	41,41,41,41	0
56	MG	2A	3817	1/1	0.96	0.08	56,56,56,56	0
56	MG	1A	3166	1/1	0.96	0.04	40,40,40,40	0
56	MG	1A	3490	1/1	0.96	0.24	34,34,34,34	0
56	MG	1A	3901	1/1	0.96	0.07	28,28,28,28	0
56	MG	1B	204	1/1	0.96	0.15	46,46,46,46	0
56	MG	1A	3221	1/1	0.96	0.26	68,68,68,68	0
56	MG	1B	206	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3738	1/1	0.96	0.06	44,44,44,44	0
56	MG	1B	208	1/1	0.96	0.10	69,69,69,69	0
56	MG	2A	3511	1/1	0.96	0.12	56,56,56,56	0
56	MG	2A	3512	1/1	0.96	0.17	35,35,35,35	0
56	MG	2A	3370	1/1	0.97	0.24	56,56,56,56	0
56	MG	2A	3146	1/1	0.97	0.21	46,46,46,46	0
56	MG	2A	3372	1/1	0.97	0.05	41,41,41,41	0
56	MG	1A	3193	1/1	0.97	0.21	23,23,23,23	0
56	MG	2A	3374	1/1	0.97	0.08	43,43,43,43	0
56	MG	2A	3148	1/1	0.97	0.09	38,38,38,38	0
56	MG	1A	3137	1/1	0.97	0.09	33,33,33,33	0
56	MG	2D	304	1/1	0.97	0.04	29,29,29,29	0
56	MG	2D	305	1/1	0.97	0.17	37,37,37,37	0
56	MG	2D	306	1/1	0.97	0.07	48,48,48,48	0
56	MG	1A	3024	1/1	0.97	0.08	33,33,33,33	0
56	MG	1A	3045	1/1	0.97	0.09	32,32,32,32	0
56	MG	1A	3761	1/1	0.97	0.08	43,43,43,43	0
56	MG	1A	3762	1/1	0.97	0.07	15,15,15,15	0
56	MG	1A	3141	1/1	0.97	0.09	36,36,36,36	0
56	MG	1a	1794	1/1	0.97	0.13	60,60,60,60	0
56	MG	1A	3627	1/1	0.97	0.09	22,22,22,22	0
56	MG	1A	3200	1/1	0.97	0.09	33,33,33,33	0
56	MG	1A	3766	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	3767	1/1	0.97	0.04	20,20,20,20	0
56	MG	1a	1799	1/1	0.97	0.06	52,52,52,52	0
56	MG	1A	3025	1/1	0.97	0.14	30,30,30,30	0
56	MG	1A	3202	1/1	0.97	0.16	47,47,47,47	0
56	MG	1A	3204	1/1	0.97	0.06	35,35,35,35	0
56	MG	1A	3144	1/1	0.97	0.07	16,16,16,16	0
56	MG	1a	1613	1/1	0.97	0.10	29,29,29,29	0
56	MG	2A	3169	1/1	0.97	0.08	58,58,58,58	0
56	MG	1A	3068	1/1	0.97	0.12	37,37,37,37	0
56	MG	2Q	204	1/1	0.97	0.12	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3643	1/1	0.97	0.07	42,42,42,42	0
56	MG	1A	3523	1/1	0.97	0.18	43,43,43,43	0
56	MG	1A	3208	1/1	0.97	0.12	35,35,35,35	0
56	MG	1A	3007	1/1	0.97	0.08	37,37,37,37	0
56	MG	1B	212	1/1	0.97	0.16	31,31,31,31	0
56	MG	1a	1619	1/1	0.97	0.10	50,50,50,50	0
56	MG	1B	213	1/1	0.97	0.08	46,46,46,46	0
56	MG	2A	3177	1/1	0.97	0.08	65,65,65,65	0
56	MG	1a	1812	1/1	0.97	0.06	69,69,69,69	0
56	MG	2V	202	1/1	0.97	0.20	59,59,59,59	0
56	MG	1A	3931	1/1	0.97	0.06	53,53,53,53	0
56	MG	1A	3148	1/1	0.97	0.13	28,28,28,28	0
56	MG	1A	3778	1/1	0.97	0.06	31,31,31,31	0
56	MG	2A	3406	1/1	0.97	0.10	40,40,40,40	0
56	MG	1A	3211	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	3641	1/1	0.97	0.05	47,47,47,47	0
56	MG	1A	3271	1/1	0.97	0.11	45,45,45,45	0
56	MG	1A	3937	1/1	0.97	0.07	37,37,37,37	0
56	MG	1a	1823	1/1	0.97	0.09	50,50,50,50	0
56	MG	1A	3347	1/1	0.97	0.19	38,38,38,38	0
56	MG	1A	3048	1/1	0.97	0.06	32,32,32,32	0
56	MG	2A	3190	1/1	0.97	0.33	59,59,59,59	0
56	MG	1A	3785	1/1	0.97	0.09	56,56,56,56	0
56	MG	1d	301	1/1	0.97	0.19	39,39,39,39	0
56	MG	1A	3273	1/1	0.97	0.12	38,38,38,38	0
56	MG	1A	3533	1/1	0.97	0.11	23,23,23,23	0
56	MG	1a	1634	1/1	0.97	0.13	49,49,49,49	0
56	MG	1A	3108	1/1	0.97	0.06	36,36,36,36	0
56	MG	1A	3275	1/1	0.97	0.07	39,39,39,39	0
56	MG	1A	3214	1/1	0.97	0.07	41,41,41,41	0
56	MG	1A	3650	1/1	0.97	0.07	29,29,29,29	0
56	MG	1A	3651	1/1	0.97	0.06	25,25,25,25	0
56	MG	2A	3425	1/1	0.97	0.11	49,49,49,49	0
56	MG	1A	3950	1/1	0.97	0.06	52,52,52,52	0
56	MG	1A	3441	1/1	0.97	0.09	32,32,32,32	0
56	MG	2A	3203	1/1	0.97	0.06	56,56,56,56	0
56	MG	1D	301	1/1	0.97	0.07	33,33,33,33	0
56	MG	1A	3278	1/1	0.97	0.13	35,35,35,35	0
56	MG	1t	201	1/1	0.97	0.16	62,62,62,62	0
56	MG	2A	3432	1/1	0.97	0.11	57,57,57,57	0
56	MG	1D	303	1/1	0.97	0.04	38,38,38,38	0
56	MG	1A	3798	1/1	0.97	0.07	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3799	1/1	0.97	0.10	26,26,26,26	0
56	MG	1A	3357	1/1	0.97	0.07	50,50,50,50	0
56	MG	1A	3444	1/1	0.97	0.20	34,34,34,34	0
56	MG	1A	3957	1/1	0.97	0.05	30,30,30,30	0
56	MG	2A	3688	1/1	0.97	0.10	48,48,48,48	0
56	MG	1A	3215	1/1	0.97	0.23	31,31,31,31	0
56	MG	2A	3215	1/1	0.97	0.19	56,56,56,56	0
56	MG	1A	3959	1/1	0.97	0.07	49,49,49,49	0
56	MG	1A	3960	1/1	0.97	0.08	41,41,41,41	0
56	MG	1a	1654	1/1	0.97	0.11	56,56,56,56	0
56	MG	1x	106	1/1	0.97	0.16	45,45,45,45	0
56	MG	1a	1656	1/1	0.97	0.07	62,62,62,62	0
56	MG	1A	3359	1/1	0.97	0.07	48,48,48,48	0
56	MG	1A	3074	1/1	0.97	0.19	32,32,32,32	0
56	MG	1A	3659	1/1	0.97	0.06	32,32,32,32	0
56	MG	1E	303	1/1	0.97	0.08	32,32,32,32	0
56	MG	1E	304	1/1	0.97	0.14	34,34,34,34	0
56	MG	1A	3964	1/1	0.97	0.09	33,33,33,33	0
56	MG	1A	3217	1/1	0.97	0.07	49,49,49,49	0
56	MG	1A	3111	1/1	0.97	0.22	34,34,34,34	0
56	MG	1A	3546	1/1	0.97	0.16	31,31,31,31	0
56	MG	2A	3455	1/1	0.97	0.07	62,62,62,62	0
56	MG	1A	3219	1/1	0.97	0.22	39,39,39,39	0
56	MG	2A	3708	1/1	0.97	0.17	61,61,61,61	0
56	MG	1A	3549	1/1	0.97	0.16	32,32,32,32	0
56	MG	1E	313	1/1	0.97	0.10	20,20,20,20	0
56	MG	1A	3027	1/1	0.97	0.10	40,40,40,40	0
56	MG	2A	3010	1/1	0.97	0.10	50,50,50,50	0
56	MG	1A	3666	1/1	0.97	0.04	21,21,21,21	0
56	MG	1E	317	1/1	0.97	0.05	50,50,50,50	0
56	MG	2a	1644	1/1	0.97	0.11	36,36,36,36	0
56	MG	1F	301	1/1	0.97	0.18	28,28,28,28	0
56	MG	2A	3465	1/1	0.97	0.11	22,22,22,22	0
56	MG	1F	302	1/1	0.97	0.12	28,28,28,28	0
56	MG	1A	3365	1/1	0.97	0.10	52,52,52,52	0
56	MG	1A	3013	1/1	0.97	0.08	22,22,22,22	0
56	MG	1A	3974	1/1	0.97	0.10	27,27,27,27	0
56	MG	1A	3156	1/1	0.97	0.09	34,34,34,34	0
56	MG	1A	3819	1/1	0.97	0.04	47,47,47,47	0
56	MG	2A	3021	1/1	0.97	0.06	24,24,24,24	0
56	MG	1A	3157	1/1	0.97	0.17	38,38,38,38	0
56	MG	1A	3672	1/1	0.97	0.08	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3369	1/1	0.97	0.11	55,55,55,55	0
56	MG	1A	3458	1/1	0.97	0.15	40,40,40,40	0
56	MG	2A	3730	1/1	0.97	0.05	69,69,69,69	0
56	MG	1A	3079	1/1	0.97	0.15	54,54,54,54	0
56	MG	2A	3028	1/1	0.97	0.13	51,51,51,51	0
56	MG	1A	3460	1/1	0.97	0.17	44,44,44,44	0
56	MG	2A	3734	1/1	0.97	0.10	29,29,29,29	0
56	MG	1A	3828	1/1	0.97	0.06	38,38,38,38	0
56	MG	1A	3560	1/1	0.97	0.04	21,21,21,21	0
56	MG	1A	3225	1/1	0.97	0.04	28,28,28,28	0
56	MG	1A	3294	1/1	0.97	0.14	42,42,42,42	0
56	MG	1N	202	1/1	0.97	0.19	37,37,37,37	0
56	MG	2A	3261	1/1	0.97	0.13	52,52,52,52	0
56	MG	1A	3832	1/1	0.97	0.11	52,52,52,52	0
56	MG	1A	3015	1/1	0.97	0.15	25,25,25,25	0
56	MG	2A	3488	1/1	0.97	0.15	44,44,44,44	0
56	MG	2A	3745	1/1	0.97	0.07	47,47,47,47	0
56	MG	1A	3565	1/1	0.97	0.22	32,32,32,32	0
56	MG	1A	3228	1/1	0.97	0.12	44,44,44,44	0
56	MG	1A	3567	1/1	0.97	0.19	36,36,36,36	0
56	MG	1A	3002	1/1	0.97	0.10	43,43,43,43	0
56	MG	1A	3689	1/1	0.97	0.06	28,28,28,28	0
56	MG	1A	3840	1/1	0.97	0.10	56,56,56,56	0
56	MG	1A	4001	1/1	0.97	0.11	23,23,23,23	0
56	MG	1A	3230	1/1	0.97	0.09	40,40,40,40	0
56	MG	2A	3047	1/1	0.97	0.21	50,50,50,50	0
56	MG	1A	3165	1/1	0.97	0.19	33,33,33,33	0
56	MG	1A	3468	1/1	0.97	0.16	48,48,48,48	0
56	MG	1A	3695	1/1	0.97	0.06	19,19,19,19	0
56	MG	2A	3758	1/1	0.97	0.11	32,32,32,32	0
56	MG	1P	205	1/1	0.97	0.10	41,41,41,41	0
56	MG	2A	3052	1/1	0.97	0.09	54,54,54,54	0
56	MG	1A	3696	1/1	0.97	0.06	21,21,21,21	0
56	MG	1A	3847	1/1	0.97	0.06	14,14,14,14	0
56	MG	1Q	202	1/1	0.97	0.10	33,33,33,33	0
56	MG	2A	3509	1/1	0.97	0.09	56,56,56,56	0
56	MG	1Q	203	1/1	0.97	0.05	37,37,37,37	0
56	MG	1A	3301	1/1	0.97	0.09	36,36,36,36	0
56	MG	1A	3232	1/1	0.97	0.28	31,31,31,31	0
56	MG	2A	3060	1/1	0.97	0.12	54,54,54,54	0
56	MG	1A	3119	1/1	0.97	0.11	38,38,38,38	0
56	MG	2a	1697	1/1	0.97	0.19	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1R	201	1/1	0.97	0.06	40,40,40,40	0
56	MG	2A	3772	1/1	0.97	0.06	54,54,54,54	0
56	MG	1a	1713	1/1	0.97	0.11	47,47,47,47	0
56	MG	1A	3852	1/1	0.97	0.10	23,23,23,23	0
56	MG	1R	204	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	3472	1/1	0.97	0.07	37,37,37,37	0
56	MG	1A	3474	1/1	0.97	0.16	35,35,35,35	0
56	MG	1A	4016	1/1	0.97	0.06	54,54,54,54	0
56	MG	1A	3383	1/1	0.97	0.14	39,39,39,39	0
56	MG	1A	3581	1/1	0.97	0.08	23,23,23,23	0
56	MG	1A	3582	1/1	0.97	0.04	31,31,31,31	0
56	MG	2A	3527	1/1	0.97	0.14	67,67,67,67	0
56	MG	2A	3783	1/1	0.97	0.06	34,34,34,34	0
56	MG	1U	202	1/1	0.97	0.35	35,35,35,35	0
56	MG	1A	3858	1/1	0.97	0.09	43,43,43,43	0
56	MG	1U	204	1/1	0.97	0.18	37,37,37,37	0
56	MG	2A	3076	1/1	0.97	0.07	42,42,42,42	0
56	MG	1A	4021	1/1	0.97	0.09	39,39,39,39	0
56	MG	2A	3534	1/1	0.97	0.20	58,58,58,58	0
56	MG	1U	207	1/1	0.97	0.32	28,28,28,28	0
56	MG	1U	208	1/1	0.97	0.10	29,29,29,29	0
56	MG	1A	3384	1/1	0.97	0.35	24,24,24,24	0
56	MG	2a	1721	1/1	0.97	0.09	48,48,48,48	0
56	MG	1U	210	1/1	0.97	0.21	32,32,32,32	0
56	MG	2A	3540	1/1	0.97	0.05	60,60,60,60	0
56	MG	2A	3083	1/1	0.97	0.13	55,55,55,55	0
56	MG	1A	3304	1/1	0.97	0.18	31,31,31,31	0
56	MG	2A	3085	1/1	0.97	0.06	49,49,49,49	0
56	MG	1A	3386	1/1	0.97	0.17	21,21,21,21	0
56	MG	2A	3545	1/1	0.97	0.14	44,44,44,44	0
56	MG	2A	3309	1/1	0.97	0.07	54,54,54,54	0
56	MG	1V	204	1/1	0.97	0.09	49,49,49,49	0
56	MG	1A	3017	1/1	0.97	0.08	62,62,62,62	0
56	MG	2A	3549	1/1	0.97	0.08	36,36,36,36	0
56	MG	2A	3807	1/1	0.97	0.08	47,47,47,47	0
56	MG	1A	3032	1/1	0.97	0.17	30,30,30,30	0
56	MG	1A	3124	1/1	0.97	0.13	48,48,48,48	0
56	MG	2A	3552	1/1	0.97	0.05	46,46,46,46	0
56	MG	1A	3125	1/1	0.97	0.18	29,29,29,29	0
56	MG	1A	3010	1/1	0.97	0.09	33,33,33,33	0
56	MG	1A	3056	1/1	0.97	0.05	46,46,46,46	0
56	MG	1A	3718	1/1	0.97	0.04	14,14,14,14	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3174	1/1	0.97	0.09	49,49,49,49	0
56	MG	2A	3819	1/1	0.97	0.04	32,32,32,32	0
56	MG	2A	3320	1/1	0.97	0.05	49,49,49,49	0
56	MG	2A	3321	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3720	1/1	0.97	0.08	29,29,29,29	0
56	MG	1A	3394	1/1	0.97	0.16	40,40,40,40	0
56	MG	2A	3825	1/1	0.97	0.04	43,43,43,43	0
56	MG	2A	3830	1/1	0.97	0.05	44,44,44,44	0
56	MG	2A	3831	1/1	0.97	0.08	49,49,49,49	0
56	MG	2A	3562	1/1	0.97	0.04	36,36,36,36	0
56	MG	1a	1743	1/1	0.97	0.16	63,63,63,63	0
56	MG	1A	3241	1/1	0.97	0.13	35,35,35,35	0
56	MG	1X	106	1/1	0.97	0.08	43,43,43,43	0
56	MG	1A	3057	1/1	0.97	0.07	24,24,24,24	0
56	MG	1A	3179	1/1	0.97	0.06	25,25,25,25	0
56	MG	1A	3180	1/1	0.97	0.13	29,29,29,29	0
56	MG	1a	1749	1/1	0.97	0.10	45,45,45,45	0
56	MG	1A	3317	1/1	0.97	0.17	48,48,48,48	0
56	MG	1A	3058	1/1	0.97	0.16	44,44,44,44	0
56	MG	2A	3108	1/1	0.97	0.07	40,40,40,40	0
56	MG	10	101	1/1	0.97	0.04	45,45,45,45	0
56	MG	1A	3880	1/1	0.97	0.08	27,27,27,27	0
56	MG	2A	3111	1/1	0.97	0.17	51,51,51,51	0
56	MG	1A	3059	1/1	0.97	0.08	17,17,17,17	0
56	MG	2a	1765	1/1	0.97	0.11	68,68,68,68	0
56	MG	1A	4046	1/1	0.97	0.04	16,16,16,16	0
56	MG	1a	1757	1/1	0.97	0.08	59,59,59,59	0
56	MG	1A	3882	1/1	0.97	0.12	30,30,30,30	0
56	MG	1A	3735	1/1	0.97	0.09	23,23,23,23	0
56	MG	1A	4049	1/1	0.97	0.05	37,37,37,37	0
56	MG	2A	3856	1/1	0.97	0.11	52,52,52,52	0
56	MG	1A	3019	1/1	0.97	0.07	47,47,47,47	0
56	MG	1A	3321	1/1	0.97	0.11	25,25,25,25	0
56	MG	1A	3604	1/1	0.97	0.08	46,46,46,46	0
56	MG	2A	3587	1/1	0.97	0.09	58,58,58,58	0
56	MG	1a	1764	1/1	0.97	0.07	64,64,64,64	0
56	MG	2A	3862	1/1	0.97	0.14	60,60,60,60	0
56	MG	12	103	1/1	0.97	0.08	44,44,44,44	0
56	MG	1A	3037	1/1	0.97	0.05	39,39,39,39	0
56	MG	13	102	1/1	0.97	0.11	34,34,34,34	0
56	MG	1A	3188	1/1	0.97	0.04	40,40,40,40	0
56	MG	1A	3609	1/1	0.97	0.12	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3596	1/1	0.97	0.16	59,59,59,59	0
56	MG	13	106	1/1	0.97	0.09	51,51,51,51	0
56	MG	1A	3744	1/1	0.97	0.12	42,42,42,42	0
56	MG	1A	3406	1/1	0.97	0.18	46,46,46,46	0
56	MG	1a	1773	1/1	0.97	0.08	60,60,60,60	0
56	MG	2A	3601	1/1	0.97	0.06	57,57,57,57	0
56	MG	1A	3324	1/1	0.97	0.09	31,31,31,31	0
56	MG	15	105	1/1	0.97	0.19	36,36,36,36	0
56	MG	1A	3250	1/1	0.97	0.26	30,30,30,30	0
56	MG	1A	3505	1/1	0.97	0.18	21,21,21,21	0
56	MG	2A	3137	1/1	0.97	0.09	26,26,26,26	0
56	MG	1A	3616	1/1	0.97	0.06	32,32,32,32	0
56	MG	1A	3189	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	3899	1/1	0.97	0.13	29,29,29,29	0
56	MG	1A	3040	1/1	0.97	0.09	35,35,35,35	0
56	MG	1A	3413	1/1	0.97	0.06	52,52,52,52	0
56	MG	1A	3903	1/1	0.97	0.06	20,20,20,20	0
56	MG	17	107	1/1	0.97	0.05	45,45,45,45	0
56	MG	1A	3042	1/1	0.97	0.04	39,39,39,39	0
56	MG	1a	1622	1/1	0.98	0.06	56,56,56,56	0
56	MG	2A	3227	1/1	0.98	0.07	49,49,49,49	0
56	MG	1A	3432	1/1	0.98	0.15	41,41,41,41	0
56	MG	1A	3710	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	3433	1/1	0.98	0.20	34,34,34,34	0
56	MG	1A	4027	1/1	0.98	0.05	50,50,50,50	0
56	MG	1A	3910	1/1	0.98	0.09	53,53,53,53	0
56	MG	2A	3233	1/1	0.98	0.08	48,48,48,48	0
56	MG	2A	3234	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	4029	1/1	0.98	0.05	50,50,50,50	0
56	MG	2A	3765	1/1	0.98	0.06	60,60,60,60	0
56	MG	1A	3911	1/1	0.98	0.11	33,33,33,33	0
56	MG	1A	3183	1/1	0.98	0.03	25,25,25,25	0
56	MG	1A	3081	1/1	0.98	0.05	44,44,44,44	0
56	MG	1G	202	1/1	0.98	0.10	55,55,55,55	0
56	MG	2A	3074	1/1	0.98	0.11	44,44,44,44	0
56	MG	1A	3914	1/1	0.98	0.04	53,53,53,53	0
56	MG	1A	3631	1/1	0.98	0.07	17,17,17,17	0
56	MG	2A	3077	1/1	0.98	0.07	26,26,26,26	0
56	MG	2A	3591	1/1	0.98	0.04	38,38,38,38	0
56	MG	1a	1635	1/1	0.98	0.10	34,34,34,34	0
56	MG	1A	3293	1/1	0.98	0.04	47,47,47,47	0
56	MG	1A	3814	1/1	0.98	0.05	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3071	1/1	0.98	0.11	23,23,23,23	0
56	MG	1A	3438	1/1	0.98	0.15	32,32,32,32	0
56	MG	1A	3295	1/1	0.98	0.15	28,28,28,28	0
56	MG	1A	3095	1/1	0.98	0.05	40,40,40,40	0
56	MG	1A	3130	1/1	0.98	0.18	31,31,31,31	0
56	MG	1a	1787	1/1	0.98	0.14	63,63,63,63	0
56	MG	2A	3784	1/1	0.98	0.04	51,51,51,51	0
56	MG	1A	3820	1/1	0.98	0.30	29,29,29,29	0
56	MG	2A	3254	1/1	0.98	0.04	49,49,49,49	0
56	MG	1A	3721	1/1	0.98	0.10	46,46,46,46	0
56	MG	1A	3927	1/1	0.98	0.05	32,32,32,32	0
56	MG	1A	3564	1/1	0.98	0.10	23,23,23,23	0
56	MG	2A	3091	1/1	0.98	0.12	39,39,39,39	0
56	MG	1A	3823	1/1	0.98	0.04	25,25,25,25	0
56	MG	2a	1641	1/1	0.98	0.12	52,52,52,52	0
56	MG	1A	3930	1/1	0.98	0.03	50,50,50,50	0
56	MG	1P	201	1/1	0.98	0.20	29,29,29,29	0
56	MG	1A	3096	1/1	0.98	0.12	23,23,23,23	0
56	MG	1A	3112	1/1	0.98	0.17	32,32,32,32	0
56	MG	1P	204	1/1	0.98	0.26	29,29,29,29	0
56	MG	2A	3797	1/1	0.98	0.12	61,61,61,61	0
56	MG	2A	3613	1/1	0.98	0.10	46,46,46,46	0
56	MG	1A	3021	1/1	0.98	0.03	16,16,16,16	0
56	MG	1A	3568	1/1	0.98	0.14	34,34,34,34	0
56	MG	1a	1655	1/1	0.98	0.09	48,48,48,48	0
56	MG	1A	3260	1/1	0.98	0.03	32,32,32,32	0
56	MG	1A	4053	1/1	0.98	0.03	32,32,32,32	0
56	MG	2A	3619	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	3227	1/1	0.98	0.05	42,42,42,42	0
56	MG	1a	1659	1/1	0.98	0.06	72,72,72,72	0
56	MG	2A	3808	1/1	0.98	0.08	60,60,60,60	0
56	MG	1A	3732	1/1	0.98	0.07	43,43,43,43	0
56	MG	2A	3810	1/1	0.98	0.07	53,53,53,53	0
56	MG	1A	3938	1/1	0.98	0.04	46,46,46,46	0
56	MG	1A	3571	1/1	0.98	0.14	36,36,36,36	0
56	MG	1A	3039	1/1	0.98	0.09	15,15,15,15	0
56	MG	1A	3941	1/1	0.98	0.11	58,58,58,58	0
56	MG	1R	203	1/1	0.98	0.12	41,41,41,41	0
56	MG	1A	3573	1/1	0.98	0.16	30,30,30,30	0
56	MG	1A	3346	1/1	0.98	0.21	38,38,38,38	0
56	MG	2A	3818	1/1	0.98	0.07	46,46,46,46	0
56	MG	1A	3005	1/1	0.98	0.05	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1a	1814	1/1	0.98	0.07	68,68,68,68	0
56	MG	1A	4065	1/1	0.98	0.08	41,41,41,41	0
56	MG	1A	4066	1/1	0.98	0.04	30,30,30,30	0
56	MG	1a	1817	1/1	0.98	0.08	70,70,70,70	0
56	MG	2A	3824	1/1	0.98	0.04	44,44,44,44	0
56	MG	1A	3836	1/1	0.98	0.18	53,53,53,53	0
56	MG	2A	3826	1/1	0.98	0.05	44,44,44,44	0
56	MG	2A	3827	1/1	0.98	0.10	46,46,46,46	0
56	MG	2A	3828	1/1	0.98	0.04	65,65,65,65	0
56	MG	2A	3829	1/1	0.98	0.04	44,44,44,44	0
56	MG	1A	3348	1/1	0.98	0.14	33,33,33,33	0
56	MG	2A	3120	1/1	0.98	0.07	31,31,31,31	0
56	MG	2A	3638	1/1	0.98	0.08	42,42,42,42	0
56	MG	1U	201	1/1	0.98	0.14	32,32,32,32	0
56	MG	1A	3510	1/1	0.98	0.13	27,27,27,27	0
56	MG	1A	3742	1/1	0.98	0.05	58,58,58,58	0
56	MG	2A	3836	1/1	0.98	0.04	36,36,36,36	0
56	MG	2A	3837	1/1	0.98	0.06	50,50,50,50	0
56	MG	2A	3459	1/1	0.98	0.17	51,51,51,51	0
56	MG	1A	4071	1/1	0.98	0.05	59,59,59,59	0
56	MG	1A	3349	1/1	0.98	0.12	39,39,39,39	0
56	MG	1A	3194	1/1	0.98	0.18	32,32,32,32	0
56	MG	1A	3842	1/1	0.98	0.07	44,44,44,44	0
56	MG	1A	3116	1/1	0.98	0.05	28,28,28,28	0
56	MG	1A	4077	1/1	0.98	0.03	42,42,42,42	0
56	MG	2A	3130	1/1	0.98	0.04	47,47,47,47	0
56	MG	1A	3307	1/1	0.98	0.12	28,28,28,28	0
56	MG	1A	3041	1/1	0.98	0.19	30,30,30,30	0
56	MG	1A	3749	1/1	0.98	0.06	15,15,15,15	0
56	MG	1A	3456	1/1	0.98	0.08	34,34,34,34	0
56	MG	1A	3162	1/1	0.98	0.17	33,33,33,33	0
56	MG	1A	3849	1/1	0.98	0.14	51,51,51,51	0
56	MG	1A	3355	1/1	0.98	0.21	61,61,61,61	0
56	MG	1A	3163	1/1	0.98	0.19	38,38,38,38	0
56	MG	1A	3164	1/1	0.98	0.21	33,33,33,33	0
56	MG	1A	3521	1/1	0.98	0.14	38,38,38,38	0
56	MG	1A	3756	1/1	0.98	0.04	45,45,45,45	0
56	MG	2a	1706	1/1	0.98	0.03	44,44,44,44	0
56	MG	1A	3138	1/1	0.98	0.06	43,43,43,43	0
56	MG	1X	102	1/1	0.98	0.24	42,42,42,42	0
56	MG	1A	3407	1/1	0.98	0.08	47,47,47,47	0
56	MG	1X	104	1/1	0.98	0.08	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3101	1/1	0.98	0.11	17,17,17,17	0
56	MG	2A	3314	1/1	0.98	0.06	54,54,54,54	0
56	MG	1A	3592	1/1	0.98	0.16	33,33,33,33	0
56	MG	1A	3525	1/1	0.98	0.19	38,38,38,38	0
56	MG	1A	3089	1/1	0.98	0.27	35,35,35,35	0
56	MG	1A	3078	1/1	0.98	0.04	31,31,31,31	0
56	MG	1A	3121	1/1	0.98	0.07	39,39,39,39	0
56	MG	2A	3489	1/1	0.98	0.08	32,32,32,32	0
56	MG	1A	3276	1/1	0.98	0.15	32,32,32,32	0
56	MG	1B	215	1/1	0.98	0.06	40,40,40,40	0
56	MG	1x	108	1/1	0.98	0.25	48,48,48,48	0
56	MG	1A	3143	1/1	0.98	0.08	17,17,17,17	0
56	MG	2A	3156	1/1	0.98	0.10	31,31,31,31	0
56	MG	2A	3157	1/1	0.98	0.08	47,47,47,47	0
56	MG	1A	3020	1/1	0.98	0.11	40,40,40,40	0
56	MG	2A	3327	1/1	0.98	0.11	46,46,46,46	0
56	MG	1A	3675	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	3123	1/1	0.98	0.11	33,33,33,33	0
56	MG	2A	3161	1/1	0.98	0.12	52,52,52,52	0
56	MG	10	106	1/1	0.98	0.07	43,43,43,43	0
56	MG	1A	3677	1/1	0.98	0.06	19,19,19,19	0
56	MG	11	102	1/1	0.98	0.11	39,39,39,39	0
56	MG	1A	3978	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	3417	1/1	0.98	0.05	38,38,38,38	0
56	MG	1A	3080	1/1	0.98	0.10	30,30,30,30	0
56	MG	1A	3773	1/1	0.98	0.07	32,32,32,32	0
56	MG	1A	3680	1/1	0.98	0.05	26,26,26,26	0
56	MG	1B	228	1/1	0.98	0.04	35,35,35,35	0
56	MG	1A	3473	1/1	0.98	0.09	43,43,43,43	0
56	MG	2A	3513	1/1	0.98	0.09	43,43,43,43	0
56	MG	13	103	1/1	0.98	0.04	37,37,37,37	0
56	MG	2A	3012	1/1	0.98	0.08	41,41,41,41	0
56	MG	1A	3874	1/1	0.98	0.08	28,28,28,28	0
56	MG	1A	3281	1/1	0.98	0.13	23,23,23,23	0
56	MG	2A	3518	1/1	0.98	0.10	34,34,34,34	0
56	MG	1A	3475	1/1	0.98	0.15	50,50,50,50	0
56	MG	1A	3877	1/1	0.98	0.11	62,62,62,62	0
56	MG	2E	304	1/1	0.98	0.13	31,31,31,31	0
56	MG	15	101	1/1	0.98	0.15	26,26,26,26	0
56	MG	1A	3606	1/1	0.98	0.11	39,39,39,39	0
56	MG	1A	3779	1/1	0.98	0.10	64,64,64,64	0
56	MG	1A	3607	1/1	0.98	0.08	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2F	302	1/1	0.98	0.06	55,55,55,55	0
56	MG	1A	3147	1/1	0.98	0.05	24,24,24,24	0
56	MG	15	107	1/1	0.98	0.15	45,45,45,45	0
56	MG	1A	3992	1/1	0.98	0.07	17,17,17,17	0
56	MG	1A	3994	1/1	0.98	0.04	58,58,58,58	0
56	MG	1A	3176	1/1	0.98	0.08	27,27,27,27	0
56	MG	2A	3026	1/1	0.98	0.13	40,40,40,40	0
56	MG	17	101	1/1	0.98	0.07	34,34,34,34	0
56	MG	2O	202	1/1	0.98	0.06	52,52,52,52	0
56	MG	2A	3532	1/1	0.98	0.11	42,42,42,42	0
56	MG	17	102	1/1	0.98	0.15	31,31,31,31	0
56	MG	1A	3996	1/1	0.98	0.11	43,43,43,43	0
56	MG	1A	3997	1/1	0.98	0.05	34,34,34,34	0
56	MG	1A	3610	1/1	0.98	0.13	28,28,28,28	0
56	MG	2A	3537	1/1	0.98	0.07	51,51,51,51	0
56	MG	1A	3611	1/1	0.98	0.07	36,36,36,36	0
56	MG	1A	3692	1/1	0.98	0.06	25,25,25,25	0
56	MG	1D	311	1/1	0.98	0.20	23,23,23,23	0
56	MG	1A	3478	1/1	0.98	0.12	50,50,50,50	0
56	MG	1A	4002	1/1	0.98	0.06	35,35,35,35	0
56	MG	2A	3037	1/1	0.98	0.03	35,35,35,35	0
56	MG	2A	3038	1/1	0.98	0.14	28,28,28,28	0
56	MG	1A	3177	1/1	0.98	0.22	20,20,20,20	0
56	MG	1A	3285	1/1	0.98	0.09	30,30,30,30	0
56	MG	1A	4005	1/1	0.98	0.08	31,31,31,31	0
56	MG	1A	3106	1/1	0.98	0.08	27,27,27,27	0
56	MG	1A	3328	1/1	0.98	0.14	44,44,44,44	0
56	MG	1A	3891	1/1	0.98	0.07	39,39,39,39	0
56	MG	2A	3207	1/1	0.98	0.06	46,46,46,46	0
56	MG	2X	102	1/1	0.98	0.11	46,46,46,46	0
56	MG	1A	3698	1/1	0.98	0.10	25,25,25,25	0
56	MG	1a	1750	1/1	0.98	0.06	39,39,39,39	0
56	MG	1A	3893	1/1	0.98	0.09	50,50,50,50	0
56	MG	1A	3149	1/1	0.98	0.11	23,23,23,23	0
56	MG	1A	3181	1/1	0.98	0.04	16,16,16,16	0
56	MG	1A	3795	1/1	0.98	0.07	51,51,51,51	0
56	MG	1A	3377	1/1	0.98	0.17	27,27,27,27	0
56	MG	1A	3797	1/1	0.98	0.07	56,56,56,56	0
56	MG	1E	315	1/1	0.98	0.21	46,46,46,46	0
56	MG	2A	3054	1/1	0.98	0.04	51,51,51,51	0
56	MG	1A	3548	1/1	0.98	0.10	33,33,33,33	0
56	MG	1A	3289	1/1	0.98	0.13	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	27	101	1/1	0.98	0.13	39,39,39,39	0
56	MG	1A	3182	1/1	0.98	0.12	35,35,35,35	0
56	MG	1A	3489	1/1	0.98	0.09	31,31,31,31	0
56	MG	1A	3706	1/1	0.98	0.04	19,19,19,19	0
56	MG	1A	3707	1/1	0.98	0.04	10,10,10,10	0
56	MG	1F	305	1/1	0.98	0.11	31,31,31,31	0
58	ZN	1n	102	1/1	0.98	0.04	89,89,89,89	0
56	MG	1A	3380	1/1	0.98	0.12	36,36,36,36	0
59	SF4	2d	303	8/8	0.98	0.04	64,76,84,86	0
56	MG	1A	3170	1/1	0.99	0.03	26,26,26,26	0
56	MG	2A	3180	1/1	0.99	0.10	47,47,47,47	0
56	MG	1B	227	1/1	0.99	0.03	37,37,37,37	0
56	MG	2A	3710	1/1	0.99	0.07	39,39,39,39	0
56	MG	1A	4061	1/1	0.99	0.09	22,22,22,22	0
56	MG	1W	204	1/1	0.99	0.17	33,33,33,33	0
56	MG	1A	3190	1/1	0.99	0.04	30,30,30,30	0
56	MG	1A	3075	1/1	0.99	0.06	9,9,9,9	0
56	MG	1A	3012	1/1	0.99	0.04	28,28,28,28	0
56	MG	1I	201	1/1	0.99	0.04	64,64,64,64	0
56	MG	1A	3808	1/1	0.99	0.04	30,30,30,30	0
56	MG	2A	3718	1/1	0.99	0.03	42,42,42,42	0
56	MG	1A	3809	1/1	0.99	0.04	18,18,18,18	0
56	MG	1A	3008	1/1	0.99	0.09	23,23,23,23	0
56	MG	1A	3734	1/1	0.99	0.06	27,27,27,27	0
56	MG	1A	3669	1/1	0.99	0.06	36,36,36,36	0
56	MG	1B	237	1/1	0.99	0.06	30,30,30,30	0
56	MG	1A	3065	1/1	0.99	0.20	42,42,42,42	0
56	MG	1A	3737	1/1	0.99	0.05	36,36,36,36	0
56	MG	2A	3585	1/1	0.99	0.09	34,34,34,34	0
56	MG	1A	3038	1/1	0.99	0.06	23,23,23,23	0
56	MG	1A	4026	1/1	0.99	0.03	25,25,25,25	0
56	MG	1D	305	1/1	0.99	0.03	17,17,17,17	0
56	MG	2A	3802	1/1	0.99	0.03	55,55,55,55	0
56	MG	2A	3009	1/1	0.99	0.04	39,39,39,39	0
56	MG	2A	3590	1/1	0.99	0.04	33,33,33,33	0
56	MG	1A	3484	1/1	0.99	0.12	31,31,31,31	0
56	MG	1A	3196	1/1	0.99	0.23	35,35,35,35	0
56	MG	1A	4076	1/1	0.99	0.02	43,43,43,43	0
56	MG	1A	3003	1/1	0.99	0.02	23,23,23,23	0
56	MG	1A	4078	1/1	0.99	0.04	39,39,39,39	0
56	MG	1A	3159	1/1	0.99	0.08	27,27,27,27	0
56	MG	1A	3412	1/1	0.99	0.08	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	3268	1/1	0.99	0.12	32,32,32,32	0
56	MG	1A	3902	1/1	0.99	0.03	35,35,35,35	0
56	MG	1A	3178	1/1	0.99	0.12	29,29,29,29	0
56	MG	1A	3622	1/1	0.99	0.09	36,36,36,36	0
56	MG	2A	3743	1/1	0.99	0.04	45,45,45,45	0
56	MG	1A	3747	1/1	0.99	0.04	25,25,25,25	0
56	MG	1A	3022	1/1	0.99	0.07	38,38,38,38	0
56	MG	1Q	206	1/1	0.99	0.17	39,39,39,39	0
56	MG	1a	1819	1/1	0.99	0.02	55,55,55,55	0
56	MG	1A	3993	1/1	0.99	0.04	34,34,34,34	0
56	MG	1A	3069	1/1	0.99	0.07	35,35,35,35	0
56	MG	1E	307	1/1	0.99	0.13	45,45,45,45	0
56	MG	1E	308	1/1	0.99	0.03	27,27,27,27	0
56	MG	1A	3682	1/1	0.99	0.04	26,26,26,26	0
56	MG	1A	3788	1/1	0.99	0.04	42,42,42,42	0
56	MG	1A	3129	1/1	0.99	0.08	29,29,29,29	0
56	MG	1A	3203	1/1	0.99	0.10	23,23,23,23	0
56	MG	15	104	1/1	0.99	0.21	24,24,24,24	0
56	MG	1A	3083	1/1	0.99	0.10	32,32,32,32	0
56	MG	1A	3033	1/1	0.99	0.04	24,24,24,24	0
56	MG	1A	3629	1/1	0.99	0.06	55,55,55,55	0
56	MG	1A	3034	1/1	0.99	0.10	27,27,27,27	0
56	MG	1A	3207	1/1	0.99	0.04	20,20,20,20	0
56	MG	1A	3072	1/1	0.99	0.04	18,18,18,18	0
56	MG	1A	3722	1/1	0.99	0.05	42,42,42,42	0
56	MG	1B	216	1/1	0.99	0.05	43,43,43,43	0
56	MG	1U	206	1/1	0.99	0.09	30,30,30,30	0
56	MG	2A	3839	1/1	0.99	0.04	29,29,29,29	0
56	MG	1A	3691	1/1	0.99	0.03	25,25,25,25	0
56	MG	1A	3087	1/1	0.99	0.05	25,25,25,25	0
56	MG	1A	3725	1/1	0.99	0.06	23,23,23,23	0
56	MG	1A	3023	1/1	0.99	0.05	15,15,15,15	0
56	MG	1A	3727	1/1	0.99	0.06	43,43,43,43	0
56	MG	1A	3044	1/1	0.99	0.06	24,24,24,24	0
56	MG	1V	203	1/1	0.99	0.15	29,29,29,29	0
56	MG	2A	3496	1/1	0.99	0.07	74,74,74,74	0
56	MG	2A	3848	1/1	0.99	0.03	23,23,23,23	0
56	MG	2A	3563	1/1	0.99	0.06	33,33,33,33	0
58	ZN	1Y	204	1/1	0.99	0.04	63,63,63,63	0
56	MG	1A	3925	1/1	0.99	0.05	30,30,30,30	0
58	ZN	15	109	1/1	0.99	0.03	57,57,57,57	0
56	MG	2A	3498	1/1	0.99	0.04	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
58	ZN	2Y	501	1/1	0.99	0.03	85,85,85,85	0
56	MG	1A	4058	1/1	0.99	0.05	36,36,36,36	0
58	ZN	25	106	1/1	0.99	0.03	62,62,62,62	0
58	ZN	26	102	1/1	0.99	0.05	61,61,61,61	0
58	ZN	29	501	1/1	0.99	0.04	71,71,71,71	0
58	ZN	2n	501	1/1	0.99	0.05	85,85,85,85	0
59	SF4	1d	302	8/8	0.99	0.04	67,80,86,86	0
56	MG	1A	3926	1/1	0.99	0.04	33,33,33,33	0
58	ZN	19	501	1/1	1.00	0.03	42,42,42,42	0
56	MG	2A	3703	1/1	1.00	0.04	22,22,22,22	0
56	MG	1A	3014	1/1	1.00	0.03	23,23,23,23	0
56	MG	1A	3109	1/1	1.00	0.09	27,27,27,27	0
58	ZN	16	103	1/1	1.00	0.03	39,39,39,39	0

5.5 Other polymers

There are no such residues in this entry.