wwPDB X-ray Structure Validation Summary Report (i)

Jun 12, 2025 – 11:34 PM EDT

PDB ID	:	9MTS / pdb_00009mts
Title	:	Crystal structure of the wild-type Thermus thermophilus 70S ribosome in complex with mRNA, A-site Q230-unmodified Release Factor 1, and P-site fMEA AAKC-peptidyl-tRNAcys at 2.70A 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	:	2.70 Å(reported)

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/XrayValidationReportHelp
with specific help available everywhere you see the (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:

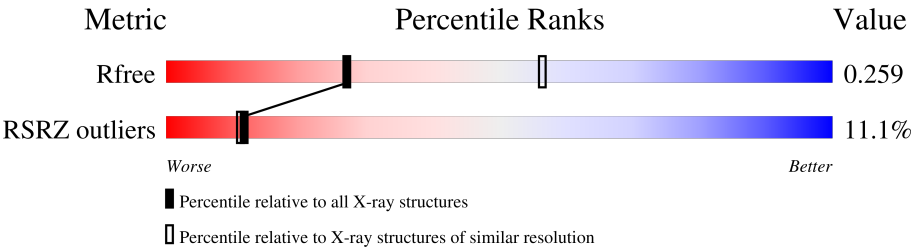
MolProbity	:	FAILED
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0rc1
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.006 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, 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 2.70 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	3333 (2.70-2.70)
RSRZ outliers	164620	3333 (2.70-2.70)

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
57	MG	2A	3239	-	-	-	X

2 Entry composition (i)

There are 61 unique types of molecules in this entry. The entry contains 296409 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	9	Total	C	N	O	P	0	0	0
			190	86	34	61	9			

- 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
			1938	1198	360	371	9			
54	2w	253	Total	C	N	O	S	0	0	0
			1956	1209	361	377	9			

- Molecule 55 is a RNA chain called P-site Peptidyl-tRNA fMEAAAKC-tRNAcys RNA-part.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	74	Total	C	N	O	P	S	0	0	0
			1577	704	281	517	74	1			
55	2x	74	Total	C	N	O	P	S	0	0	0
			1577	704	281	517	74	1			

- Molecule 56 is a protein called P-site Peptidyl-tRNA fMEAAAKC-tRNAcys Peptide-part.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	1z	5	Total	C	N	O	S	0	0	0
			30	18	6	5	1			
56	2z	5	Total	C	N	O	S	0	0	0
			30	18	6	5	1			

- Molecule 57 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1046	Total	Mg	0	0
			1046	1046		
57	1B	38	Total	Mg	0	0
			38	38		
57	1D	13	Total	Mg	0	0
			13	13		
57	1E	12	Total	Mg	0	0
			12	12		
57	1F	13	Total	Mg	0	0
			13	13		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1G	5	Total Mg 5 5	0	0
57	1I	1	Total Mg 1 1	0	0
57	1N	6	Total Mg 6 6	0	0
57	1O	5	Total Mg 5 5	0	0
57	1P	3	Total Mg 3 3	0	0
57	1Q	7	Total Mg 7 7	0	0
57	1R	7	Total Mg 7 7	0	0
57	1S	3	Total Mg 3 3	0	0
57	1T	2	Total Mg 2 2	0	0
57	1U	10	Total Mg 10 10	0	0
57	1V	6	Total Mg 6 6	0	0
57	1W	9	Total Mg 9 9	0	0
57	1X	5	Total Mg 5 5	0	0
57	1Y	3	Total Mg 3 3	0	0
57	1Z	2	Total Mg 2 2	0	0
57	10	8	Total Mg 8 8	0	0
57	11	5	Total Mg 5 5	0	0
57	12	2	Total Mg 2 2	0	0
57	13	4	Total Mg 4 4	0	0
57	15	7	Total Mg 7 7	0	0
57	16	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	17	4	Total Mg 4 4	0	0
57	18	3	Total Mg 3 3	0	0
57	19	1	Total Mg 1 1	0	0
57	1a	205	Total Mg 205 205	0	0
57	1b	2	Total Mg 2 2	0	0
57	1d	1	Total Mg 1 1	0	0
57	1e	2	Total Mg 2 2	0	0
57	1f	1	Total Mg 1 1	0	0
57	1k	1	Total Mg 1 1	0	0
57	1l	2	Total Mg 2 2	0	0
57	1m	1	Total Mg 1 1	0	0
57	1n	2	Total Mg 2 2	0	0
57	1p	1	Total Mg 1 1	0	0
57	1r	1	Total Mg 1 1	0	0
57	1t	1	Total Mg 1 1	0	0
57	1v	2	Total Mg 2 2	0	0
57	1w	1	Total Mg 1 1	0	0
57	1x	11	Total Mg 11 11	0	0
57	2A	846	Total Mg 846 846	0	0
57	2B	19	Total Mg 19 19	0	0
57	2D	10	Total Mg 10 10	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	2E	7	Total Mg 7 7	0	0
57	2F	7	Total Mg 7 7	0	0
57	2G	1	Total Mg 1 1	0	0
57	2N	1	Total Mg 1 1	0	0
57	2O	2	Total Mg 2 2	0	0
57	2P	3	Total Mg 3 3	0	0
57	2Q	4	Total Mg 4 4	0	0
57	2R	2	Total Mg 2 2	0	0
57	2T	5	Total Mg 5 5	0	0
57	2U	1	Total Mg 1 1	0	0
57	2V	3	Total Mg 3 3	0	0
57	2W	2	Total Mg 2 2	0	0
57	2X	1	Total Mg 1 1	0	0
57	2Y	1	Total Mg 1 1	0	0
57	2Z	1	Total Mg 1 1	0	0
57	20	1	Total Mg 1 1	0	0
57	21	1	Total Mg 1 1	0	0
57	23	1	Total Mg 1 1	0	0
57	25	6	Total Mg 6 6	0	0
57	26	1	Total Mg 1 1	0	0
57	27	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	28	3	Total Mg 3 3	0	0
57	2a	171	Total Mg 171 171	0	0
57	2d	2	Total Mg 2 2	0	0
57	2e	1	Total Mg 1 1	0	0
57	2f	1	Total Mg 1 1	0	0
57	2i	1	Total Mg 1 1	0	0
57	2j	1	Total Mg 1 1	0	0
57	2k	1	Total Mg 1 1	0	0
57	2l	3	Total Mg 3 3	0	0
57	2n	1	Total Mg 1 1	0	0
57	2q	1	Total Mg 1 1	0	0
57	2t	2	Total Mg 2 2	0	0
57	2v	2	Total Mg 2 2	0	0
57	2x	7	Total Mg 7 7	0	0

- Molecule 58 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1A	1	Total K 1 1	0	0

- Molecule 59 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1Y	1	Total Zn 1 1	0	0
59	14	1	Total Zn 1 1	0	0

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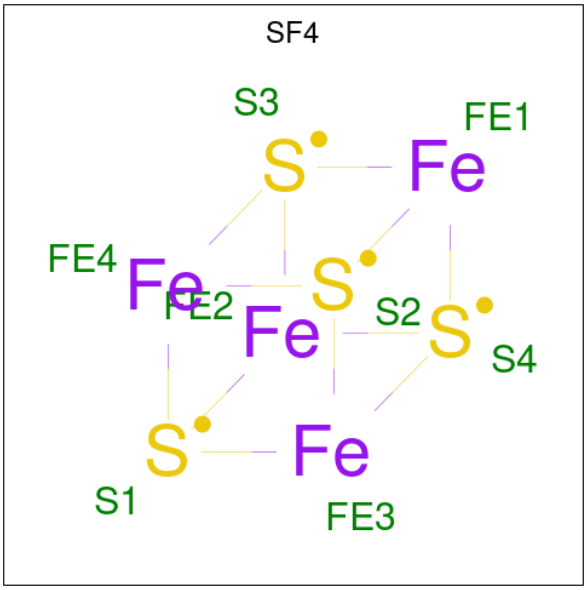
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	15	1	Total Zn 1 1	0	0
59	16	1	Total Zn 1 1	0	0
59	19	1	Total Zn 1 1	0	0
59	1n	1	Total Zn 1 1	0	0
59	2Y	1	Total Zn 1 1	0	0
59	24	1	Total Zn 1 1	0	0
59	25	1	Total Zn 1 1	0	0
59	26	1	Total Zn 1 1	0	0
59	29	1	Total Zn 1 1	0	0
59	2n	1	Total Zn 1 1	0	0

- Molecule 60 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1d	1	Total Fe S 8 4 4	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	2d	1	Total Fe S 8 4 4	0	0

- Molecule 61 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	1A	1729	Total O 1729 1729	0	0
61	1B	58	Total O 58 58	0	0
61	1D	23	Total O 23 23	0	0
61	1E	27	Total O 27 27	0	0
61	1F	15	Total O 15 15	0	0
61	1G	5	Total O 5 5	0	0
61	1H	2	Total O 2 2	0	0
61	1I	1	Total O 1 1	0	0
61	1N	7	Total O 7 7	0	0
61	1O	7	Total O 7 7	0	0
61	1P	20	Total O 20 20	0	0
61	1Q	8	Total O 8 8	0	0
61	1R	10	Total O 10 10	0	0
61	1S	3	Total O 3 3	0	0
61	1T	6	Total O 6 6	0	0
61	1U	13	Total O 13 13	0	0
61	1V	8	Total O 8 8	0	0
61	1W	12	Total O 12 12	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	1X	4	Total O 4 4	0	0
61	1Y	1	Total O 1 1	0	0
61	1Z	1	Total O 1 1	0	0
61	10	11	Total O 11 11	0	0
61	11	8	Total O 8 8	0	0
61	12	3	Total O 3 3	0	0
61	13	6	Total O 6 6	0	0
61	14	1	Total O 1 1	0	0
61	15	6	Total O 6 6	0	0
61	17	7	Total O 7 7	0	0
61	18	9	Total O 9 9	0	0
61	1a	211	Total O 211 211	0	0
61	1b	1	Total O 1 1	0	0
61	1i	1	Total O 1 1	0	0
61	1l	2	Total O 2 2	0	0
61	1q	3	Total O 3 3	0	0
61	1v	4	Total O 4 4	0	0
61	1w	2	Total O 2 2	0	0
61	1x	19	Total O 19 19	0	0
61	1z	1	Total O 1 1	0	0
61	2A	974	Total O 974 974	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	2B	20	Total O 20 20	0	0
61	2D	18	Total O 18 18	0	0
61	2E	15	Total O 15 15	0	0
61	2F	10	Total O 10 10	0	0
61	2I	1	Total O 1 1	0	0
61	2N	1	Total O 1 1	0	0
61	2O	2	Total O 2 2	0	0
61	2P	14	Total O 14 14	0	0
61	2Q	1	Total O 1 1	0	0
61	2R	2	Total O 2 2	0	0
61	2T	5	Total O 5 5	0	0
61	2U	3	Total O 3 3	0	0
61	2V	1	Total O 1 1	0	0
61	2W	2	Total O 2 2	0	0
61	2X	4	Total O 4 4	0	0
61	2Z	2	Total O 2 2	0	0
61	20	3	Total O 3 3	0	0
61	21	9	Total O 9 9	0	0
61	22	1	Total O 1 1	0	0
61	23	2	Total O 2 2	0	0
61	25	2	Total O 2 2	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	27	1	Total O 1 1	0	0
61	28	5	Total O 5 5	0	0
61	29	1	Total O 1 1	0	0
61	2a	120	Total O 120 120	0	0
61	2d	2	Total O 2 2	0	0
61	2e	1	Total O 1 1	0	0
61	2j	4	Total O 4 4	0	0
61	2l	4	Total O 4 4	0	0
61	2n	1	Total O 1 1	0	0
61	2q	2	Total O 2 2	0	0
61	2w	1	Total O 1 1	0	0
61	2x	12	Total O 12 12	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	210.49Å 452.41Å 626.59Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	366.79 – 2.70 366.79 – 2.70	Depositor EDS
% Data completeness (in resolution range)	99.4 (366.79-2.70) 99.5 (366.79-2.70)	Depositor EDS
R_{merge}	0.24	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.09 (at 2.69Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.218 , 0.262 0.216 , 0.259	Depositor DCC
R_{free} test set	80788 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å^2)	46.0	Xtriage
Anisotropy	0.102	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.40 , 138.4	EDS
L-test for twinning[2]	$< \|L\| > = 0.43$, $< L^2 > = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.86	EDS
Total number of atoms	296409	wwPDB-VP
Average B, all atoms (Å^2)	50.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.62% 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	$\#\|Z\| > 2$
32	MA6	1a	1519	32	19,26,27	1.04	2 (10%)	18,38,41	1.89	3 (16%)
1	PSU	1A	2605	1,57	18,21,22	1.41	4 (22%)	21,30,33	2.12	4 (19%)
55	PSU	2x	39	55	18,21,22	1.42	2 (11%)	21,30,33	1.59	4 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
32	UR3	2a	1498	32	19,22,23	1.09	2 (10%)	26,32,35	1.67	3 (11%)
55	PSU	2x	55	55	18,21,22	1.38	2 (11%)	21,30,33	2.10	5 (23%)
1	OMC	1A	1920	1	19,22,23	0.82	0	25,31,34	0.94	1 (4%)
32	UR3	1a	1498	32	19,22,23	1.02	1 (5%)	26,32,35	1.66	3 (11%)
32	MA6	1a	1518	32	19,26,27	1.00	1 (5%)	18,38,41	1.95	3 (16%)
1	PSU	2A	1917	1	18,21,22	1.40	2 (11%)	21,30,33	2.06	3 (14%)
55	PSU	2x	32	55	18,21,22	1.37	2 (11%)	21,30,33	2.05	3 (14%)
55	PSU	1x	39	55	18,21,22	1.38	2 (11%)	21,30,33	1.92	4 (19%)
32	5MC	1a	1400	32	19,22,23	1.66	3 (15%)	26,32,35	1.25	4 (15%)
1	OMG	2A	2251	1,55,57	19,26,27	0.88	1 (5%)	21,38,41	1.05	2 (9%)
32	5MC	1a	967	32	19,22,23	1.52	3 (15%)	26,32,35	1.12	2 (7%)
32	5MC	2a	967	32	19,22,23	1.76	3 (15%)	26,32,35	1.13	3 (11%)
1	5MC	2A	1942	1	19,22,23	1.63	3 (15%)	26,32,35	1.23	3 (11%)
32	5MC	2a	1407	57,32	19,22,23	1.62	3 (15%)	26,32,35	1.24	3 (11%)
55	MIA	1x	37	55	17,24,32	0.98	1 (5%)	16,35,47	1.38	2 (12%)
32	M2G	1a	966	32	20,27,28	1.42	2 (10%)	19,40,43	1.04	2 (10%)
1	PSU	1A	1917	1	18,21,22	1.42	3 (16%)	21,30,33	1.96	4 (19%)
1	5MU	2A	1939	1	19,22,23	1.44	5 (26%)	27,32,35	2.22	6 (22%)
32	5MC	2a	1404	32	19,22,23	1.74	3 (15%)	26,32,35	1.15	2 (7%)
55	MIA	2x	37	55	17,24,32	0.94	1 (5%)	16,35,47	1.39	2 (12%)
1	OMU	2A	2552	1,57	19,22,23	1.19	3 (15%)	25,31,34	1.80	5 (20%)
43	0TD	2l	92	43	8,9,10	4.73	2 (25%)	6,11,13	4.15	2 (33%)
55	5MU	1x	54	55,57	19,22,23	1.40	5 (26%)	27,32,35	1.72	5 (18%)
1	5MC	1A	1942	1,57	19,22,23	1.59	3 (15%)	26,32,35	1.23	4 (15%)
1	OMG	1A	2251	1,55,57	19,26,27	0.96	1 (5%)	21,38,41	1.23	4 (19%)
1	PSU	2A	1911	1	18,21,22	1.37	2 (11%)	21,30,33	1.99	5 (23%)
55	4SU	1x	8	55	18,21,22	1.88	4 (22%)	25,30,33	1.62	4 (16%)
1	5MU	2A	1915	1,57	19,22,23	1.52	6 (31%)	27,32,35	2.21	6 (22%)
32	MA6	2a	1519	32	19,26,27	1.02	2 (10%)	18,38,41	1.93	3 (16%)
1	5MC	1A	1962	1,57	19,22,23	1.64	3 (15%)	26,32,35	1.19	3 (11%)
32	G7M	1a	527	57,32	20,26,27	1.20	2 (10%)	16,39,42	0.59	0
1	5MU	1A	1915	1	19,22,23	1.35	5 (26%)	27,32,35	2.24	6 (22%)
55	4SU	2x	8	55	18,21,22	1.87	5 (27%)	25,30,33	2.09	5 (20%)
32	PSU	1a	516	57,32	18,21,22	1.31	2 (11%)	21,30,33	1.99	5 (23%)
32	MA6	2a	1518	32	19,26,27	1.00	2 (10%)	18,38,41	1.89	3 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
55	8AN	2x	76	56,55,57	17,24,25	1.05	2 (11%)	13,35,38	2.97	3 (23%)
43	0TD	1l	92	43	8,9,10	4.62	1 (12%)	6,11,13	8.09	3 (50%)
32	5MC	2a	1400	32	19,22,23	1.73	3 (15%)	26,32,35	1.17	2 (7%)
1	2MA	2A	2503	1,57	18,25,26	0.74	0	20,37,40	1.85	4 (20%)
32	2MG	1a	1207	32	18,26,27	0.93	1 (5%)	16,38,41	1.23	1 (6%)
32	4OC	1a	1402	57,32	20,23,24	0.76	0	25,32,35	1.06	2 (8%)
55	8AN	1x	76	56,55,57	17,24,25	1.13	2 (11%)	13,35,38	3.31	3 (23%)
32	M2G	2a	966	32	20,27,28	1.36	3 (15%)	19,40,43	1.05	2 (10%)
1	2MA	1A	2503	1,57	18,25,26	0.73	0	20,37,40	1.90	3 (15%)
55	5MU	2x	54	55	19,22,23	1.40	5 (26%)	27,32,35	2.22	6 (22%)
1	PSU	1A	1911	1	18,21,22	1.40	2 (11%)	21,30,33	2.06	5 (23%)
1	5MU	1A	1939	1	19,22,23	1.44	5 (26%)	27,32,35	2.07	6 (22%)
32	G7M	2a	527	57,32	20,26,27	1.18	2 (10%)	16,39,42	0.62	0
32	2MG	2a	1207	32	18,26,27	0.89	1 (5%)	16,38,41	1.38	3 (18%)
1	OMC	2A	1920	1,57	19,22,23	0.81	0	25,31,34	0.90	0
55	H2U	1x	21	55	18,21,22	1.00	2 (11%)	19,30,33	1.63	3 (15%)
55	H2U	2x	21	55	18,21,22	0.94	2 (11%)	19,30,33	1.09	1 (5%)
1	5MC	2A	1962	1	19,22,23	1.56	3 (15%)	26,32,35	1.08	2 (7%)
1	OMU	1A	2552	1,57	19,22,23	1.29	3 (15%)	25,31,34	1.80	5 (20%)
55	H2U	1x	20	55	18,21,22	0.98	2 (11%)	19,30,33	0.97	2 (10%)
55	H2U	2x	20	55	18,21,22	0.94	2 (11%)	19,30,33	0.88	0
32	5MC	1a	1407	32	19,22,23	1.87	3 (15%)	26,32,35	1.23	4 (15%)
32	4OC	2a	1402	57,32	20,23,24	0.80	0	25,32,35	1.06	2 (8%)
55	PSU	1x	55	55	18,21,22	1.30	2 (11%)	21,30,33	2.07	4 (19%)
32	5MC	1a	1404	32	19,22,23	1.72	3 (15%)	26,32,35	1.13	3 (11%)
55	PSU	1x	32	55,57	18,21,22	1.33	2 (11%)	21,30,33	2.00	3 (14%)
1	PSU	2A	2605	1	18,21,22	1.40	2 (11%)	21,30,33	2.11	4 (19%)
32	PSU	2a	516	32	18,21,22	1.33	3 (16%)	21,30,33	2.09	5 (23%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	MA6	1a	1519	32	-	3/7/29/30	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	1A	2605	1,57	-	0/7/25/26	0/2/2/2
55	PSU	2x	39	55	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
1	OMC	1A	1920	1	-	0/9/27/28	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
55	PSU	2x	32	55	-	0/7/25/26	0/2/2/2
55	PSU	1x	39	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	1,55,57	-	1/5/27/28	0/3/3/3
32	5MC	1a	967	32	-	1/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	57,32	-	0/7/25/26	0/2/2/2
55	MIA	1x	37	55	-	2/3/25/34	0/3/3/3
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
55	MIA	2x	37	55	-	2/3/25/34	0/3/3/3
1	OMU	2A	2552	1,57	-	0/9/27/28	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-
55	5MU	1x	54	55,57	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	1,57	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	1,55,57	-	0/5/27/28	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1,57	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3
1	5MC	1A	1962	1,57	-	0/7/25/26	0/2/2/2
32	G7M	1a	527	57,32	-	3/3/25/26	0/3/3/3
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	57,32	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
55	8AN	2x	76	56,55,57	-	1/3/25/26	0/3/3/3
43	0TD	1l	92	43	-	2/7/12/14	-
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,57	-	1/3/25/26	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
32	4OC	1a	1402	57,32	-	2/9/29/30	0/2/2/2
55	8AN	1x	76	56,55,57	-	1/3/25/26	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
1	2MA	1A	2503	1,57	-	2/3/25/26	0/3/3/3
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	1	-	0/7/25/26	0/2/2/2
32	G7M	2a	527	57,32	-	1/3/25/26	0/3/3/3
32	2MG	2a	1207	32	-	2/5/27/28	0/3/3/3
1	OMC	2A	1920	1,57	-	0/9/27/28	0/2/2/2
55	H2U	1x	21	55	-	6/7/38/39	0/2/2/2
55	H2U	2x	21	55	-	4/7/38/39	0/2/2/2
1	5MC	2A	1962	1	-	0/7/25/26	0/2/2/2
1	OMU	1A	2552	1,57	-	0/9/27/28	0/2/2/2
55	H2U	1x	20	55	-	2/7/38/39	0/2/2/2
55	H2U	2x	20	55	-	3/7/38/39	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	57,32	-	3/9/29/30	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
55	PSU	1x	32	55,57	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2

The worst 5 of 154 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.69	1.69	1.82
43	1l	92	0TD	CB-SB	-12.62	1.69	1.82
32	1a	1407	5MC	C5-C4	7.11	1.49	1.44
32	2a	967	5MC	C5-C4	6.60	1.49	1.44
32	2a	1404	5MC	C5-C4	6.41	1.49	1.44

The worst 5 of 212 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
43	1l	92	0TD	CSB-SB-CB	-19.39	67.51	102.36
43	2l	92	0TD	CSB-SB-CB	-9.40	85.48	102.36
55	1x	76	8AN	C4'-O4'-C1'	-7.61	102.96	109.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
55	2x	76	8AN	C4'-O4'-C1'	-7.36	103.18	109.92
1	2A	2605	PSU	N1-C2-N3	6.85	122.39	115.17

There are no chirality outliers.

5 of 47 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	O-C-CA-CB
1	2A	2251	OMG	C1'-C2'-O2'-CM2
32	2a	1207	2MG	N1-C2-N2-CM2
32	2a	1207	2MG	N3-C2-N2-CM2

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 2604 ligands modelled in this entry, 2602 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	$\#\|Z\| > 2$
60	SF4	1d	302	35	0,12,12	-	-	-		
60	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
60	SF4	1d	302	35	-	-	0/6/5/5
60	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%)	-0.38	205 (7%) 23 21	10, 26, 88, 100	0
1	2A	2789/2915 (95%)	0.12	171 (6%) 28 26	22, 45, 84, 99	0
2	1B	120/121 (99%)	-0.25	0 100 100	21, 41, 54, 78	0
2	2B	120/121 (99%)	0.96	7 (5%) 30 28	48, 66, 76, 87	0
3	1D	275/276 (99%)	-0.32	2 (0%) 84 83	14, 28, 44, 72	0
3	2D	275/276 (99%)	0.09	4 (1%) 71 71	20, 38, 51, 69	0
4	1E	204/206 (99%)	-0.32	2 (0%) 79 79	11, 28, 51, 64	0
4	2E	204/206 (99%)	0.16	5 (2%) 58 57	23, 45, 60, 75	0
5	1F	203/210 (96%)	-0.17	1 (0%) 87 86	11, 31, 58, 78	0
5	2F	203/210 (96%)	0.62	7 (3%) 48 46	26, 56, 68, 77	0
6	1G	181/182 (99%)	0.87	18 (9%) 14 13	36, 54, 68, 81	0
6	2G	181/182 (99%)	1.53	47 (25%) 2 2	58, 68, 77, 85	0
7	1H	174/180 (96%)	0.17	5 (2%) 54 52	27, 43, 55, 71	0
7	2H	174/180 (96%)	1.76	63 (36%) 1 1	57, 71, 80, 86	0
8	1I	146/148 (98%)	0.78	11 (7%) 22 20	32, 62, 72, 76	0
8	2I	146/148 (98%)	1.12	22 (15%) 6 6	45, 66, 72, 76	0
9	1N	140/140 (100%)	-0.25	1 (0%) 84 83	17, 27, 49, 63	0
9	2N	140/140 (100%)	0.59	10 (7%) 23 21	34, 51, 65, 72	0
10	1O	122/122 (100%)	-0.12	3 (2%) 58 57	18, 31, 48, 55	0
10	2O	122/122 (100%)	0.22	2 (1%) 70 70	32, 43, 56, 65	0
11	1P	149/150 (99%)	-0.11	3 (2%) 64 64	11, 34, 55, 63	0
11	2P	149/150 (99%)	0.62	5 (3%) 48 46	28, 56, 71, 76	0
12	1Q	141/141 (100%)	-0.15	2 (1%) 73 73	19, 29, 43, 53	0
12	2Q	141/141 (100%)	0.62	6 (4%) 40 39	36, 51, 62, 71	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.44	0 100 100	16, 24, 37, 47	0
13	2R	118/118 (100%)	0.19	1 (0%) 82 82	29, 40, 53, 59	0
14	1S	110/112 (98%)	0.07	0 100 100	29, 40, 51, 59	0
14	2S	110/112 (98%)	1.29	20 (18%) 4 4	51, 61, 71, 75	0
15	1T	131/146 (89%)	-0.04	4 (3%) 51 49	23, 34, 59, 65	0
15	2T	131/146 (89%)	0.23	5 (3%) 44 42	38, 47, 64, 72	0
16	1U	116/118 (98%)	-0.55	1 (0%) 81 80	13, 19, 36, 47	0
16	2U	116/118 (98%)	0.32	0 100 100	30, 45, 62, 70	0
17	1V	101/101 (100%)	-0.44	0 100 100	12, 29, 48, 62	0
17	2V	101/101 (100%)	0.86	4 (3%) 43 41	32, 57, 67, 75	0
18	1W	112/113 (99%)	-0.51	0 100 100	15, 22, 39, 69	0
18	2W	112/113 (99%)	0.04	2 (1%) 67 67	30, 38, 54, 76	0
19	1X	95/96 (98%)	-0.23	1 (1%) 77 77	20, 28, 53, 69	0
19	2X	95/96 (98%)	0.58	8 (8%) 18 17	36, 50, 66, 75	0
20	1Y	107/110 (97%)	0.05	1 (0%) 81 80	24, 38, 57, 68	0
20	2Y	107/110 (97%)	1.03	15 (14%) 7 7	47, 59, 71, 82	0
21	1Z	154/206 (74%)	0.55	7 (4%) 39 37	30, 46, 60, 69	0
21	2Z	160/206 (77%)	1.40	29 (18%) 4 4	51, 67, 74, 78	0
22	10	76/85 (89%)	-0.19	2 (2%) 57 56	19, 27, 49, 55	0
22	20	76/85 (89%)	0.80	6 (7%) 20 18	37, 51, 62, 68	0
23	11	97/98 (98%)	0.05	2 (2%) 63 63	18, 33, 59, 64	0
23	21	97/98 (98%)	0.44	3 (3%) 51 49	30, 47, 65, 68	0
24	12	70/72 (97%)	0.12	2 (2%) 54 52	25, 39, 51, 65	0
24	22	70/72 (97%)	0.80	1 (1%) 73 73	49, 60, 68, 70	0
25	13	59/60 (98%)	-0.21	2 (3%) 48 46	16, 25, 48, 63	0
25	23	59/60 (98%)	0.60	4 (6%) 25 23	37, 48, 63, 69	0
26	14	69/71 (97%)	1.38	17 (24%) 2 2	48, 69, 82, 86	0
26	24	69/71 (97%)	1.89	26 (37%) 1 1	65, 75, 84, 88	0
27	15	59/60 (98%)	-0.51	1 (1%) 69 68	12, 22, 40, 55	0
27	25	59/60 (98%)	0.19	1 (1%) 69 68	25, 39, 57, 70	0
28	16	53/54 (98%)	-0.20	0 100 100	23, 32, 47, 54	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/54 (98%)	0.39	3 (5%) 30 28	39, 49, 55, 63	0
29	17	48/49 (97%)	-0.45	1 (2%) 63 63	14, 19, 52, 59	0
29	27	48/49 (97%)	0.00	2 (4%) 41 39	26, 33, 56, 65	0
30	18	64/65 (98%)	-0.60	0 100 100	18, 24, 32, 41	0
30	28	64/65 (98%)	0.20	0 100 100	34, 43, 52, 57	0
31	19	37/37 (100%)	-0.42	0 100 100	21, 30, 50, 50	0
31	29	37/37 (100%)	0.57	1 (2%) 56 54	43, 53, 62, 62	0
32	1a	1488/1521 (97%)	0.84	163 (10%) 12 11	28, 64, 86, 100	0
32	2a	1491/1521 (98%)	0.94	209 (14%) 7 7	38, 66, 86, 100	0
33	1b	231/256 (90%)	1.63	63 (27%) 2 2	58, 70, 80, 85	0
33	2b	231/256 (90%)	1.97	111 (48%) 0 1	61, 74, 81, 88	0
34	1c	206/239 (86%)	1.61	60 (29%) 1 2	57, 70, 77, 80	0
34	2c	206/239 (86%)	2.08	101 (49%) 0 1	59, 74, 80, 86	0
35	1d	208/209 (99%)	1.52	55 (26%) 2 2	49, 66, 76, 78	0
35	2d	208/209 (99%)	1.28	39 (18%) 4 4	50, 63, 73, 76	0
36	1e	148/162 (91%)	0.81	8 (5%) 32 30	44, 58, 67, 75	0
36	2e	148/162 (91%)	1.15	15 (10%) 14 13	51, 63, 71, 78	0
37	1f	100/101 (99%)	0.85	2 (2%) 64 64	46, 60, 68, 72	0
37	2f	100/101 (99%)	1.06	10 (10%) 14 13	56, 64, 72, 73	0
38	1g	155/156 (99%)	1.25	24 (15%) 6 6	58, 66, 76, 84	0
38	2g	155/156 (99%)	1.61	43 (27%) 2 2	61, 71, 78, 83	0
39	1h	137/138 (99%)	0.93	11 (8%) 20 18	51, 61, 69, 74	0
39	2h	137/138 (99%)	1.10	14 (10%) 13 13	54, 64, 70, 74	0
40	1i	127/128 (99%)	1.68	38 (29%) 1 2	55, 69, 75, 78	0
40	2i	127/128 (99%)	2.35	78 (61%) 0 1	64, 74, 81, 83	0
41	1j	97/105 (92%)	1.93	44 (45%) 1 1	58, 73, 79, 80	0
41	2j	96/105 (91%)	2.43	64 (66%) 0 0	63, 76, 82, 86	0
42	1k	114/129 (88%)	0.91	9 (7%) 20 18	36, 58, 70, 75	0
42	2k	114/129 (88%)	1.35	20 (17%) 5 5	46, 63, 73, 78	0
43	1l	121/132 (91%)	0.75	9 (7%) 22 20	41, 52, 62, 68	0
43	2l	121/132 (91%)	0.53	4 (3%) 49 47	46, 53, 63, 69	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	118/126 (93%)	1.62	34 (28%) 1 2	60, 69, 75, 81	0
44	2m	116/126 (92%)	1.78	37 (31%) 1 1	63, 73, 77, 81	0
45	1n	60/61 (98%)	1.79	20 (33%) 1 1	57, 68, 76, 80	0
45	2n	60/61 (98%)	2.45	38 (63%) 0 1	67, 74, 79, 80	0
46	1o	88/89 (98%)	0.82	8 (9%) 16 15	37, 57, 68, 72	0
46	2o	88/89 (98%)	0.97	7 (7%) 20 18	52, 63, 73, 79	0
47	1p	82/88 (93%)	1.56	24 (29%) 1 2	56, 65, 75, 81	0
47	2p	82/88 (93%)	1.18	8 (9%) 14 14	50, 61, 69, 75	0
48	1q	99/105 (94%)	0.84	5 (5%) 34 32	45, 57, 67, 75	0
48	2q	99/105 (94%)	0.69	4 (4%) 43 41	51, 60, 70, 73	0
49	1r	68/88 (77%)	0.82	5 (7%) 22 20	48, 58, 67, 71	0
49	2r	68/88 (77%)	1.22	8 (11%) 10 10	56, 65, 74, 77	0
50	1s	83/93 (89%)	2.10	37 (44%) 1 1	62, 72, 79, 80	0
50	2s	83/93 (89%)	2.18	48 (57%) 0 1	69, 76, 82, 88	0
51	1t	96/106 (90%)	1.24	17 (17%) 4 5	52, 61, 70, 77	0
51	2t	96/106 (90%)	0.84	10 (10%) 13 12	47, 60, 69, 72	0
52	1u	23/27 (85%)	2.08	10 (43%) 1 1	61, 68, 73, 75	0
52	2u	23/27 (85%)	2.12	12 (52%) 0 1	64, 72, 76, 78	0
53	1v	13/24 (54%)	1.47	7 (53%) 0 1	43, 54, 92, 92	0
53	2v	9/24 (37%)	1.21	3 (33%) 1 1	52, 57, 79, 84	0
54	1w	249/354 (70%)	0.46	8 (3%) 50 48	20, 52, 68, 81	0
54	2w	253/354 (71%)	0.91	20 (7%) 20 18	33, 60, 77, 87	0
55	1x	65/74 (87%)	0.09	0 100 100	19, 51, 68, 71	0
55	2x	65/74 (87%)	0.55	2 (3%) 51 49	32, 64, 78, 80	0
56	1z	5/7 (71%)	1.52	2 (40%) 1 1	27, 27, 49, 51	0
56	2z	5/7 (71%)	2.29	2 (40%) 1 1	38, 43, 56, 57	0
All	All	21079/22160 (95%)	0.54	2344 (11%) 12 11	10, 53, 79, 100	0

The worst 5 of 2344 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
45	2n	2	ALA	14.2
1	2A	2117	A	12.3

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Mol	Chain	Res	Type	RSRZ
1	1A	2116	G	9.8
45	1n	2	ALA	9.3
1	2A	2115	G	9.3

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	0.60	0.23	73,85,93,108	0
55	H2U	1x	21	20/21	0.64	0.19	74,85,92,103	0
55	H2U	2x	20	20/21	0.75	0.15	80,87,90,92	0
32	2MG	1a	1207	24/25	0.85	0.18	69,78,83,85	0
55	PSU	2x	55	20/21	0.85	0.12	65,70,78,87	0
55	H2U	1x	20	20/21	0.86	0.12	63,72,79,86	0
55	5MU	2x	54	21/22	0.87	0.14	67,72,83,90	0
43	0TD	1l	92	10/11	0.88	0.14	43,48,53,69	0
32	2MG	2a	1207	24/25	0.88	0.13	65,75,78,91	0
32	G7M	2a	527	24/25	0.91	0.12	51,55,61,64	0
32	M2G	2a	966	25/26	0.91	0.13	49,55,68,73	0
1	5MU	2A	1915	21/22	0.91	0.11	53,59,62,66	0
55	MIA	2x	37	22/30	0.91	0.11	45,60,63,64	0
55	5MU	1x	54	21/22	0.91	0.15	52,58,67,75	0
32	5MC	2a	1400	21/22	0.91	0.12	53,61,66,70	0
55	PSU	1x	55	20/21	0.91	0.16	53,58,71,77	0
32	PSU	2a	516	20/21	0.91	0.11	47,60,66,66	0
55	PSU	2x	32	20/21	0.92	0.10	57,65,69,71	0
43	0TD	2l	92	10/11	0.92	0.11	46,55,61,71	0
55	PSU	1x	32	20/21	0.92	0.12	50,58,62,67	0
32	5MC	2a	967	21/22	0.93	0.11	53,58,67,69	0
32	PSU	1a	516	20/21	0.93	0.11	50,61,66,68	0
32	5MC	1a	967	21/22	0.93	0.10	45,52,59,62	0
1	PSU	2A	1911	20/21	0.94	0.09	44,50,58,58	0
1	5MU	1A	1915	21/22	0.94	0.10	35,43,48,52	0
32	G7M	1a	527	24/25	0.94	0.10	42,49,53,57	0
32	M2G	1a	966	25/26	0.94	0.10	43,53,59,61	0
55	MIA	1x	37	22/30	0.95	0.09	43,49,55,58	0
32	4OC	2a	1402	22/23	0.95	0.11	43,48,53,59	0
55	PSU	1x	39	20/21	0.95	0.08	31,46,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	PSU	2x	39	20/21	0.95	0.08	49,59,69,70	0
32	5MC	2a	1404	21/22	0.95	0.10	38,42,45,50	0
1	PSU	1A	1911	20/21	0.95	0.09	37,42,46,50	0
55	4SU	2x	8	20/21	0.95	0.10	54,64,67,70	0
1	PSU	2A	1917	20/21	0.95	0.08	47,54,58,60	0
32	UR3	2a	1498	21/22	0.96	0.09	36,43,48,51	0
32	MA6	2a	1518	24/25	0.96	0.10	39,48,54,57	0
1	PSU	1A	1917	20/21	0.96	0.08	35,42,49,52	0
32	5MC	1a	1400	21/22	0.96	0.10	37,45,50,52	0
32	4OC	1a	1402	22/23	0.96	0.09	36,39,45,45	0
1	5MC	2A	1942	21/22	0.96	0.10	31,38,44,47	0
32	5MC	1a	1407	21/22	0.96	0.09	26,30,35,36	0
1	5MC	1A	1942	21/22	0.96	0.10	24,29,32,33	0
32	5MC	2a	1407	21/22	0.96	0.09	37,42,46,53	0
55	8AN	2x	76	22/23	0.96	0.08	31,36,41,45	0
1	5MC	2A	1962	21/22	0.97	0.07	28,35,43,50	0
55	4SU	1x	8	20/21	0.97	0.07	33,42,48,49	0
1	OMG	2A	2251	24/25	0.97	0.06	23,29,33,37	0
1	2MA	2A	2503	23/24	0.97	0.07	23,27,30,31	0
32	MA6	1a	1519	24/25	0.97	0.08	29,34,37,39	0
32	5MC	1a	1404	21/22	0.97	0.08	28,33,38,41	0
1	OMC	2A	1920	21/22	0.97	0.09	40,48,53,54	0
1	PSU	1A	2605	20/21	0.97	0.07	14,18,24,31	0
32	MA6	2a	1519	24/25	0.97	0.11	41,47,52,53	0
1	OMG	1A	2251	24/25	0.98	0.06	13,16,19,22	0
1	OMU	1A	2552	21/22	0.98	0.07	16,19,23,25	0
32	UR3	1a	1498	21/22	0.98	0.06	30,34,37,37	0
1	5MU	2A	1939	21/22	0.98	0.06	25,28,31,32	0
32	MA6	1a	1518	24/25	0.98	0.07	28,34,37,40	0
1	5MU	1A	1939	21/22	0.98	0.07	14,18,22,25	0
1	OMC	1A	1920	21/22	0.98	0.07	27,34,38,39	0
1	5MC	1A	1962	21/22	0.98	0.07	24,26,30,38	0
1	OMU	2A	2552	21/22	0.98	0.07	25,30,34,36	0
55	8AN	1x	76	22/23	0.98	0.07	16,23,25,28	0
1	PSU	2A	2605	20/21	0.98	0.06	18,25,33,33	0
1	2MA	1A	2503	23/24	0.99	0.05	9,12,14,15	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, 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
57	MG	2a	1725	1/1	0.54	0.24	79,79,79,79	0
57	MG	2i	201	1/1	0.57	0.22	71,71,71,71	0
57	MG	1a	1750	1/1	0.61	0.21	65,65,65,65	0
57	MG	2A	3796	1/1	0.64	0.26	74,74,74,74	0
57	MG	1a	1771	1/1	0.65	0.27	76,76,76,76	0
57	MG	1A	3675	1/1	0.65	0.28	60,60,60,60	0
57	MG	2A	3744	1/1	0.66	0.30	47,47,47,47	0
57	MG	1A	3826	1/1	0.66	0.12	36,36,36,36	0
57	MG	1a	1660	1/1	0.66	0.16	77,77,77,77	0
57	MG	2A	3272	1/1	0.66	0.27	74,74,74,74	0
57	MG	2A	3644	1/1	0.67	0.27	57,57,57,57	0
57	MG	2A	3653	1/1	0.67	0.21	54,54,54,54	0
57	MG	2A	3337	1/1	0.68	0.17	71,71,71,71	0
57	MG	1a	1631	1/1	0.69	0.13	68,68,68,68	0
57	MG	2A	3239	1/1	0.69	0.43	66,66,66,66	0
57	MG	1A	4017	1/1	0.71	0.22	41,41,41,41	0
57	MG	2A	3420	1/1	0.72	0.28	71,71,71,71	0
57	MG	2A	3277	1/1	0.72	0.11	56,56,56,56	0
57	MG	1A	4007	1/1	0.72	0.17	59,59,59,59	0
57	MG	2A	3734	1/1	0.72	0.19	62,62,62,62	0
57	MG	2A	3301	1/1	0.73	0.22	57,57,57,57	0
57	MG	2a	1712	1/1	0.73	0.26	51,51,51,51	0
57	MG	2A	3528	1/1	0.73	0.15	63,63,63,63	0
57	MG	1A	4037	1/1	0.73	0.26	65,65,65,65	0
57	MG	2A	3284	1/1	0.74	0.11	60,60,60,60	0
57	MG	2E	306	1/1	0.74	0.14	52,52,52,52	0
57	MG	2A	3699	1/1	0.74	0.20	51,51,51,51	0
57	MG	1A	3760	1/1	0.74	0.17	52,52,52,52	0
57	MG	1A	3731	1/1	0.74	0.12	13,13,13,13	0
57	MG	2A	3431	1/1	0.75	0.13	58,58,58,58	0
57	MG	1a	1761	1/1	0.75	0.25	70,70,70,70	0
57	MG	1A	3671	1/1	0.75	0.22	48,48,48,48	0
57	MG	2A	3085	1/1	0.75	0.31	69,69,69,69	0
57	MG	1O	201	1/1	0.75	0.23	60,60,60,60	0
57	MG	2a	1759	1/1	0.75	0.25	59,59,59,59	0
57	MG	1W	209	1/1	0.75	0.17	47,47,47,47	0
57	MG	1a	1721	1/1	0.76	0.27	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3677	1/1	0.76	0.23	51,51,51,51	0
57	MG	1a	1773	1/1	0.76	0.17	66,66,66,66	0
57	MG	1l	201	1/1	0.76	0.15	65,65,65,65	0
57	MG	2A	3062	1/1	0.76	0.17	70,70,70,70	0
57	MG	2A	3790	1/1	0.76	0.19	47,47,47,47	0
57	MG	1A	3969	1/1	0.76	0.26	54,54,54,54	0
57	MG	2A	3108	1/1	0.76	0.22	50,50,50,50	0
57	MG	2A	3227	1/1	0.76	0.34	69,69,69,69	0
57	MG	1A	3317	1/1	0.76	0.16	48,48,48,48	0
57	MG	2a	1755	1/1	0.76	0.28	60,60,60,60	0
57	MG	2a	1758	1/1	0.76	0.35	66,66,66,66	0
57	MG	2A	3250	1/1	0.76	0.12	60,60,60,60	0
57	MG	2A	3651	1/1	0.76	0.17	57,57,57,57	0
57	MG	2A	3304	1/1	0.77	0.34	67,67,67,67	0
57	MG	1b	302	1/1	0.77	0.17	80,80,80,80	0
57	MG	2B	219	1/1	0.77	0.25	66,66,66,66	0
57	MG	1a	1720	1/1	0.77	0.35	76,76,76,76	0
57	MG	2A	3668	1/1	0.77	0.18	53,53,53,53	0
57	MG	2A	3263	1/1	0.77	0.13	64,64,64,64	0
57	MG	2A	3458	1/1	0.77	0.14	58,58,58,58	0
57	MG	2A	3727	1/1	0.77	0.20	43,43,43,43	0
57	MG	2A	3462	1/1	0.77	0.27	63,63,63,63	0
57	MG	2a	1770	1/1	0.77	0.16	70,70,70,70	0
57	MG	2A	3265	1/1	0.77	0.13	56,56,56,56	0
57	MG	2A	3300	1/1	0.78	0.28	66,66,66,66	0
57	MG	1x	105	1/1	0.78	0.12	56,56,56,56	0
57	MG	2A	3687	1/1	0.78	0.29	67,67,67,67	0
57	MG	2a	1622	1/1	0.78	0.23	61,61,61,61	0
57	MG	2a	1669	1/1	0.78	0.29	64,64,64,64	0
57	MG	2A	3691	1/1	0.78	0.26	65,65,65,65	0
57	MG	2A	3698	1/1	0.78	0.24	56,56,56,56	0
57	MG	2A	3185	1/1	0.78	0.21	60,60,60,60	0
57	MG	2A	3618	1/1	0.78	0.21	66,66,66,66	0
57	MG	1A	3958	1/1	0.78	0.14	24,24,24,24	0
57	MG	1B	209	1/1	0.78	0.19	54,54,54,54	0
57	MG	2A	3106	1/1	0.78	0.23	59,59,59,59	0
57	MG	2v	101	1/1	0.78	0.29	58,58,58,58	0
57	MG	2A	3521	1/1	0.79	0.23	57,57,57,57	0
57	MG	2A	3738	1/1	0.79	0.17	59,59,59,59	0
57	MG	1a	1723	1/1	0.79	0.38	70,70,70,70	0
57	MG	2A	3767	1/1	0.79	0.16	63,63,63,63	0
57	MG	2A	3580	1/1	0.79	0.23	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3836	1/1	0.79	0.27	59,59,59,59	0
57	MG	1a	1648	1/1	0.79	0.27	68,68,68,68	0
57	MG	2E	301	1/1	0.79	0.21	62,62,62,62	0
57	MG	2A	3649	1/1	0.79	0.17	70,70,70,70	0
57	MG	1A	3986	1/1	0.79	0.29	61,61,61,61	0
57	MG	2a	1625	1/1	0.79	0.31	66,66,66,66	0
57	MG	2A	3375	1/1	0.79	0.12	55,55,55,55	0
57	MG	1a	1670	1/1	0.79	0.26	58,58,58,58	0
57	MG	2A	3275	1/1	0.79	0.22	70,70,70,70	0
57	MG	2A	3432	1/1	0.79	0.28	58,58,58,58	0
57	MG	2A	3451	1/1	0.79	0.24	53,53,53,53	0
57	MG	1A	3870	1/1	0.79	0.20	40,40,40,40	0
57	MG	2a	1764	1/1	0.79	0.20	60,60,60,60	0
57	MG	1A	3607	1/1	0.79	0.25	60,60,60,60	0
57	MG	2A	3716	1/1	0.79	0.20	67,67,67,67	0
57	MG	2A	3498	1/1	0.79	0.15	48,48,48,48	0
57	MG	2a	1644	1/1	0.80	0.24	68,68,68,68	0
57	MG	1A	3647	1/1	0.80	0.12	40,40,40,40	0
57	MG	1a	1747	1/1	0.80	0.21	74,74,74,74	0
57	MG	2a	1722	1/1	0.80	0.21	70,70,70,70	0
57	MG	1a	1684	1/1	0.80	0.25	64,64,64,64	0
57	MG	1a	1654	1/1	0.80	0.18	65,65,65,65	0
57	MG	2A	3199	1/1	0.80	0.26	70,70,70,70	0
57	MG	2A	3313	1/1	0.80	0.18	77,77,77,77	0
57	MG	1A	3548	1/1	0.80	0.28	51,51,51,51	0
57	MG	2R	202	1/1	0.80	0.18	55,55,55,55	0
57	MG	2A	3347	1/1	0.80	0.19	43,43,43,43	0
57	MG	2A	3512	1/1	0.80	0.24	66,66,66,66	0
57	MG	2x	104	1/1	0.80	0.21	65,65,65,65	0
57	MG	2B	204	1/1	0.81	0.29	60,60,60,60	0
57	MG	1A	3545	1/1	0.81	0.16	50,50,50,50	0
57	MG	2A	3333	1/1	0.81	0.17	64,64,64,64	0
57	MG	1A	3441	1/1	0.81	0.14	51,51,51,51	0
57	MG	2A	3226	1/1	0.81	0.27	58,58,58,58	0
57	MG	1A	3990	1/1	0.81	0.11	47,47,47,47	0
57	MG	1A	3927	1/1	0.81	0.32	70,70,70,70	0
57	MG	1A	3474	1/1	0.81	0.24	68,68,68,68	0
57	MG	2a	1666	1/1	0.81	0.27	61,61,61,61	0
57	MG	2A	3007	1/1	0.81	0.22	50,50,50,50	0
57	MG	1a	1647	1/1	0.81	0.20	55,55,55,55	0
57	MG	1A	4025	1/1	0.81	0.12	59,59,59,59	0
57	MG	2A	3086	1/1	0.81	0.19	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1732	1/1	0.81	0.18	52,52,52,52	0
57	MG	2a	1736	1/1	0.81	0.30	72,72,72,72	0
57	MG	1a	1652	1/1	0.81	0.17	62,62,62,62	0
57	MG	1A	4036	1/1	0.81	0.21	60,60,60,60	0
57	MG	2A	3297	1/1	0.81	0.12	47,47,47,47	0
57	MG	2A	3526	1/1	0.81	0.16	47,47,47,47	0
57	MG	2A	3113	1/1	0.81	0.19	58,58,58,58	0
57	MG	2A	3118	1/1	0.81	0.32	56,56,56,56	0
57	MG	2q	201	1/1	0.81	0.29	66,66,66,66	0
57	MG	2A	3159	1/1	0.81	0.19	55,55,55,55	0
57	MG	2A	3843	1/1	0.81	0.25	57,57,57,57	0
57	MG	2A	3830	1/1	0.82	0.18	52,52,52,52	0
57	MG	2A	3564	1/1	0.82	0.20	59,59,59,59	0
57	MG	2A	3845	1/1	0.82	0.23	59,59,59,59	0
57	MG	2A	3572	1/1	0.82	0.26	64,64,64,64	0
57	MG	2A	3164	1/1	0.82	0.20	70,70,70,70	0
57	MG	2A	3605	1/1	0.82	0.16	29,29,29,29	0
57	MG	1a	1621	1/1	0.82	0.20	63,63,63,63	0
57	MG	2A	3332	1/1	0.82	0.18	61,61,61,61	0
57	MG	2a	1618	1/1	0.82	0.25	60,60,60,60	0
57	MG	1A	3481	1/1	0.82	0.30	62,62,62,62	0
57	MG	1x	109	1/1	0.82	0.26	67,67,67,67	0
57	MG	1B	225	1/1	0.82	0.15	53,53,53,53	0
57	MG	2A	3667	1/1	0.82	0.20	64,64,64,64	0
57	MG	2A	3355	1/1	0.82	0.16	57,57,57,57	0
57	MG	2A	3232	1/1	0.82	0.10	62,62,62,62	0
57	MG	2A	3376	1/1	0.82	0.20	63,63,63,63	0
57	MG	2A	3031	1/1	0.82	0.16	54,54,54,54	0
57	MG	2A	3056	1/1	0.82	0.19	57,57,57,57	0
57	MG	1B	235	1/1	0.82	0.16	62,62,62,62	0
57	MG	2a	1743	1/1	0.82	0.23	64,64,64,64	0
57	MG	2a	1748	1/1	0.82	0.24	64,64,64,64	0
57	MG	1G	204	1/1	0.82	0.08	34,34,34,34	0
57	MG	2A	3719	1/1	0.82	0.22	62,62,62,62	0
57	MG	1A	3794	1/1	0.82	0.12	41,41,41,41	0
57	MG	1a	1767	1/1	0.82	0.33	70,70,70,70	0
57	MG	1A	3640	1/1	0.82	0.07	24,24,24,24	0
57	MG	1Y	202	1/1	0.82	0.15	53,53,53,53	0
57	MG	1a	1792	1/1	0.82	0.18	76,76,76,76	0
57	MG	2A	3120	1/1	0.82	0.11	57,57,57,57	0
57	MG	1Z	301	1/1	0.82	0.29	66,66,66,66	0
57	MG	2O	201	1/1	0.83	0.19	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1B	219	1/1	0.83	0.14	45,45,45,45	0
57	MG	2A	3121	1/1	0.83	0.12	65,65,65,65	0
57	MG	2A	3286	1/1	0.83	0.15	58,58,58,58	0
57	MG	1A	4000	1/1	0.83	0.19	53,53,53,53	0
57	MG	2A	3006	1/1	0.83	0.31	62,62,62,62	0
57	MG	1B	232	1/1	0.83	0.28	59,59,59,59	0
57	MG	2A	3017	1/1	0.83	0.33	57,57,57,57	0
57	MG	2a	1678	1/1	0.83	0.32	65,65,65,65	0
57	MG	2A	3225	1/1	0.83	0.25	66,66,66,66	0
57	MG	2A	3327	1/1	0.83	0.13	45,45,45,45	0
57	MG	1A	3872	1/1	0.83	0.21	42,42,42,42	0
57	MG	1B	237	1/1	0.83	0.15	40,40,40,40	0
57	MG	2A	3745	1/1	0.83	0.15	68,68,68,68	0
57	MG	2A	3761	1/1	0.83	0.13	66,66,66,66	0
57	MG	1A	3312	1/1	0.83	0.15	48,48,48,48	0
57	MG	2a	1751	1/1	0.83	0.15	58,58,58,58	0
57	MG	2A	3343	1/1	0.83	0.13	56,56,56,56	0
57	MG	1A	3708	1/1	0.83	0.15	49,49,49,49	0
57	MG	2A	3632	1/1	0.83	0.16	44,44,44,44	0
57	MG	1a	1665	1/1	0.83	0.18	56,56,56,56	0
57	MG	2a	1767	1/1	0.83	0.15	68,68,68,68	0
57	MG	1A	3377	1/1	0.83	0.15	44,44,44,44	0
57	MG	1a	1803	1/1	0.83	0.16	64,64,64,64	0
57	MG	2j	201	1/1	0.83	0.11	67,67,67,67	0
57	MG	2n	101	1/1	0.83	0.29	63,63,63,63	0
57	MG	2A	3400	1/1	0.83	0.29	52,52,52,52	0
57	MG	1A	3849	1/1	0.83	0.17	53,53,53,53	0
57	MG	1A	3403	1/1	0.83	0.10	48,48,48,48	0
57	MG	2A	3408	1/1	0.84	0.12	62,62,62,62	0
57	MG	1A	4044	1/1	0.84	0.13	50,50,50,50	0
57	MG	18	102	1/1	0.84	0.14	42,42,42,42	0
57	MG	2A	3772	1/1	0.84	0.15	39,39,39,39	0
57	MG	1A	3653	1/1	0.84	0.12	15,15,15,15	0
57	MG	2A	3243	1/1	0.84	0.24	56,56,56,56	0
57	MG	2A	3826	1/1	0.84	0.16	57,57,57,57	0
57	MG	2A	3049	1/1	0.84	0.33	58,58,58,58	0
57	MG	2A	3459	1/1	0.84	0.19	65,65,65,65	0
57	MG	1A	3767	1/1	0.84	0.16	44,44,44,44	0
57	MG	1a	1634	1/1	0.84	0.27	70,70,70,70	0
57	MG	2B	215	1/1	0.84	0.22	60,60,60,60	0
57	MG	2A	3271	1/1	0.84	0.21	60,60,60,60	0
57	MG	1a	1762	1/1	0.84	0.18	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2E	302	1/1	0.84	0.15	56,56,56,56	0
57	MG	1A	3247	1/1	0.84	0.24	60,60,60,60	0
57	MG	2A	3096	1/1	0.84	0.24	59,59,59,59	0
57	MG	2A	3279	1/1	0.84	0.17	48,48,48,48	0
57	MG	2a	1613	1/1	0.84	0.31	57,57,57,57	0
57	MG	2A	3571	1/1	0.84	0.13	51,51,51,51	0
57	MG	2A	3099	1/1	0.84	0.15	63,63,63,63	0
57	MG	1a	1769	1/1	0.84	0.19	53,53,53,53	0
57	MG	1A	3884	1/1	0.84	0.12	45,45,45,45	0
57	MG	1A	3908	1/1	0.84	0.10	37,37,37,37	0
57	MG	2A	3619	1/1	0.84	0.19	27,27,27,27	0
57	MG	2A	3116	1/1	0.84	0.15	53,53,53,53	0
57	MG	2a	1700	1/1	0.84	0.26	61,61,61,61	0
57	MG	2a	1706	1/1	0.84	0.27	59,59,59,59	0
57	MG	2A	3302	1/1	0.84	0.17	61,61,61,61	0
57	MG	2a	1720	1/1	0.84	0.16	55,55,55,55	0
57	MG	2A	3648	1/1	0.84	0.25	60,60,60,60	0
57	MG	1a	1780	1/1	0.84	0.23	59,59,59,59	0
57	MG	1A	3672	1/1	0.84	0.14	58,58,58,58	0
57	MG	2A	3315	1/1	0.84	0.16	54,54,54,54	0
57	MG	2a	1741	1/1	0.84	0.29	63,63,63,63	0
57	MG	2A	3318	1/1	0.84	0.22	73,73,73,73	0
57	MG	1a	1659	1/1	0.84	0.25	54,54,54,54	0
57	MG	2A	3670	1/1	0.84	0.18	43,43,43,43	0
57	MG	2A	3329	1/1	0.84	0.15	67,67,67,67	0
57	MG	2A	3331	1/1	0.84	0.10	58,58,58,58	0
57	MG	2A	3138	1/1	0.84	0.30	60,60,60,60	0
57	MG	1a	1805	1/1	0.84	0.21	71,71,71,71	0
57	MG	1A	3942	1/1	0.84	0.16	55,55,55,55	0
57	MG	2A	3713	1/1	0.84	0.25	69,69,69,69	0
57	MG	2A	3165	1/1	0.84	0.22	61,61,61,61	0
57	MG	1A	3947	1/1	0.84	0.15	23,23,23,23	0
57	MG	2l	201	1/1	0.84	0.16	63,63,63,63	0
57	MG	1U	205	1/1	0.84	0.17	37,37,37,37	0
57	MG	2A	3201	1/1	0.84	0.12	79,79,79,79	0
57	MG	1A	3750	1/1	0.84	0.20	52,52,52,52	0
57	MG	1A	4040	1/1	0.84	0.11	33,33,33,33	0
57	MG	2A	3832	1/1	0.85	0.15	44,44,44,44	0
57	MG	2A	3833	1/1	0.85	0.16	26,26,26,26	0
57	MG	2A	3538	1/1	0.85	0.12	28,28,28,28	0
57	MG	1A	3529	1/1	0.85	0.15	49,49,49,49	0
57	MG	1a	1676	1/1	0.85	0.11	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2B	208	1/1	0.85	0.26	60,60,60,60	0
57	MG	2A	3122	1/1	0.85	0.22	48,48,48,48	0
57	MG	1a	1680	1/1	0.85	0.35	63,63,63,63	0
57	MG	2D	308	1/1	0.85	0.16	62,62,62,62	0
57	MG	1A	3001	1/1	0.85	0.10	32,32,32,32	0
57	MG	1x	104	1/1	0.85	0.16	57,57,57,57	0
57	MG	2A	3321	1/1	0.85	0.18	51,51,51,51	0
57	MG	1a	1700	1/1	0.85	0.21	56,56,56,56	0
57	MG	2A	3636	1/1	0.85	0.13	66,66,66,66	0
57	MG	2a	1604	1/1	0.85	0.29	62,62,62,62	0
57	MG	2a	1611	1/1	0.85	0.34	66,66,66,66	0
57	MG	2A	3176	1/1	0.85	0.27	58,58,58,58	0
57	MG	1a	1709	1/1	0.85	0.24	61,61,61,61	0
57	MG	2A	3197	1/1	0.85	0.14	55,55,55,55	0
57	MG	1a	1719	1/1	0.85	0.15	58,58,58,58	0
57	MG	1B	223	1/1	0.85	0.18	51,51,51,51	0
57	MG	2A	3658	1/1	0.85	0.16	49,49,49,49	0
57	MG	2A	3008	1/1	0.85	0.17	49,49,49,49	0
57	MG	1a	1602	1/1	0.85	0.15	50,50,50,50	0
57	MG	2A	3348	1/1	0.85	0.07	26,26,26,26	0
57	MG	2A	3022	1/1	0.85	0.34	69,69,69,69	0
57	MG	2A	3358	1/1	0.85	0.15	45,45,45,45	0
57	MG	2A	3370	1/1	0.85	0.14	61,61,61,61	0
57	MG	1a	1604	1/1	0.85	0.12	66,66,66,66	0
57	MG	2A	3033	1/1	0.85	0.23	52,52,52,52	0
57	MG	1A	3358	1/1	0.85	0.15	46,46,46,46	0
57	MG	2a	1733	1/1	0.85	0.16	61,61,61,61	0
57	MG	2A	3404	1/1	0.85	0.23	56,56,56,56	0
57	MG	1A	3602	1/1	0.85	0.10	30,30,30,30	0
57	MG	2A	3724	1/1	0.85	0.13	52,52,52,52	0
57	MG	1A	3925	1/1	0.85	0.16	58,58,58,58	0
57	MG	2a	1750	1/1	0.85	0.23	59,59,59,59	0
57	MG	1A	3603	1/1	0.85	0.21	57,57,57,57	0
57	MG	1F	313	1/1	0.85	0.20	39,39,39,39	0
57	MG	1A	3831	1/1	0.85	0.28	37,37,37,37	0
57	MG	1G	205	1/1	0.85	0.16	52,52,52,52	0
57	MG	2A	3104	1/1	0.85	0.28	54,54,54,54	0
57	MG	2A	3763	1/1	0.85	0.10	58,58,58,58	0
57	MG	1A	3368	1/1	0.85	0.15	51,51,51,51	0
57	MG	2A	3281	1/1	0.85	0.14	61,61,61,61	0
57	MG	2A	3787	1/1	0.85	0.12	43,43,43,43	0
57	MG	1a	1774	1/1	0.85	0.20	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1778	1/1	0.85	0.14	37,37,37,37	0
57	MG	2A	3814	1/1	0.85	0.28	54,54,54,54	0
57	MG	1A	3190	1/1	0.85	0.16	46,46,46,46	0
57	MG	1A	3854	1/1	0.85	0.13	51,51,51,51	0
57	MG	2x	106	1/1	0.85	0.16	46,46,46,46	0
57	MG	1f	201	1/1	0.86	0.24	57,57,57,57	0
57	MG	2B	206	1/1	0.86	0.20	61,61,61,61	0
57	MG	1A	3953	1/1	0.86	0.13	66,66,66,66	0
57	MG	2B	209	1/1	0.86	0.18	58,58,58,58	0
57	MG	1A	3471	1/1	0.86	0.11	44,44,44,44	0
57	MG	2B	216	1/1	0.86	0.15	65,65,65,65	0
57	MG	2A	3172	1/1	0.86	0.24	62,62,62,62	0
57	MG	1a	1701	1/1	0.86	0.20	59,59,59,59	0
57	MG	15	107	1/1	0.86	0.11	36,36,36,36	0
57	MG	2A	3186	1/1	0.86	0.12	52,52,52,52	0
57	MG	1A	3552	1/1	0.86	0.19	50,50,50,50	0
57	MG	1B	222	1/1	0.86	0.15	43,43,43,43	0
57	MG	2P	202	1/1	0.86	0.12	63,63,63,63	0
57	MG	1A	3871	1/1	0.86	0.15	36,36,36,36	0
57	MG	20	101	1/1	0.86	0.10	48,48,48,48	0
57	MG	2A	3216	1/1	0.86	0.22	49,49,49,49	0
57	MG	2A	3224	1/1	0.86	0.17	49,49,49,49	0
57	MG	1A	3668	1/1	0.86	0.16	20,20,20,20	0
57	MG	1a	1732	1/1	0.86	0.27	66,66,66,66	0
57	MG	1a	1733	1/1	0.86	0.18	64,64,64,64	0
57	MG	1B	227	1/1	0.86	0.13	63,63,63,63	0
57	MG	2a	1640	1/1	0.86	0.22	48,48,48,48	0
57	MG	2A	3690	1/1	0.86	0.14	27,27,27,27	0
57	MG	2A	3234	1/1	0.86	0.38	57,57,57,57	0
57	MG	1a	1749	1/1	0.86	0.17	54,54,54,54	0
57	MG	2A	3398	1/1	0.86	0.29	51,51,51,51	0
57	MG	2A	3707	1/1	0.86	0.21	59,59,59,59	0
57	MG	1A	3997	1/1	0.86	0.16	50,50,50,50	0
57	MG	2a	1710	1/1	0.86	0.19	61,61,61,61	0
57	MG	1a	1752	1/1	0.86	0.23	53,53,53,53	0
57	MG	2A	3252	1/1	0.86	0.16	51,51,51,51	0
57	MG	2A	3723	1/1	0.86	0.20	66,66,66,66	0
57	MG	2A	3255	1/1	0.86	0.23	49,49,49,49	0
57	MG	2a	1726	1/1	0.86	0.20	48,48,48,48	0
57	MG	1a	1637	1/1	0.86	0.25	55,55,55,55	0
57	MG	1a	1641	1/1	0.86	0.17	69,69,69,69	0
57	MG	2a	1734	1/1	0.86	0.20	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3268	1/1	0.86	0.10	65,65,65,65	0
57	MG	2a	1738	1/1	0.86	0.20	49,49,49,49	0
57	MG	1A	3785	1/1	0.86	0.16	41,41,41,41	0
57	MG	1A	3892	1/1	0.86	0.18	45,45,45,45	0
57	MG	2a	1747	1/1	0.86	0.23	59,59,59,59	0
57	MG	2A	3746	1/1	0.86	0.12	62,62,62,62	0
57	MG	1D	311	1/1	0.86	0.25	47,47,47,47	0
57	MG	1A	3553	1/1	0.86	0.15	49,49,49,49	0
57	MG	2A	3504	1/1	0.86	0.11	18,18,18,18	0
57	MG	1A	3197	1/1	0.86	0.08	34,34,34,34	0
57	MG	2A	3774	1/1	0.86	0.10	63,63,63,63	0
57	MG	1A	4032	1/1	0.86	0.11	41,41,41,41	0
57	MG	1A	3459	1/1	0.86	0.18	61,61,61,61	0
57	MG	1a	1668	1/1	0.86	0.29	73,73,73,73	0
57	MG	2A	3797	1/1	0.86	0.13	27,27,27,27	0
57	MG	1a	1798	1/1	0.86	0.23	59,59,59,59	0
57	MG	2A	3548	1/1	0.86	0.12	26,26,26,26	0
57	MG	1Q	205	1/1	0.86	0.19	44,44,44,44	0
57	MG	1A	3460	1/1	0.86	0.12	39,39,39,39	0
57	MG	2A	3123	1/1	0.86	0.20	54,54,54,54	0
57	MG	2x	102	1/1	0.86	0.18	66,66,66,66	0
57	MG	2A	3574	1/1	0.86	0.11	54,54,54,54	0
57	MG	1A	3468	1/1	0.86	0.16	47,47,47,47	0
57	MG	2B	203	1/1	0.87	0.22	63,63,63,63	0
57	MG	1a	1772	1/1	0.87	0.17	63,63,63,63	0
57	MG	1F	312	1/1	0.87	0.11	45,45,45,45	0
57	MG	1A	3179	1/1	0.87	0.12	61,61,61,61	0
57	MG	2A	3600	1/1	0.87	0.12	42,42,42,42	0
57	MG	2A	3602	1/1	0.87	0.14	63,63,63,63	0
57	MG	1A	4014	1/1	0.87	0.12	37,37,37,37	0
57	MG	2A	3610	1/1	0.87	0.14	63,63,63,63	0
57	MG	1a	1663	1/1	0.87	0.18	55,55,55,55	0
57	MG	1A	3903	1/1	0.87	0.12	47,47,47,47	0
57	MG	2A	3141	1/1	0.87	0.20	35,35,35,35	0
57	MG	1N	205	1/1	0.87	0.17	44,44,44,44	0
57	MG	1a	1802	1/1	0.87	0.16	58,58,58,58	0
57	MG	1a	1669	1/1	0.87	0.17	65,65,65,65	0
57	MG	1A	3821	1/1	0.87	0.12	40,40,40,40	0
57	MG	2T	201	1/1	0.87	0.18	48,48,48,48	0
57	MG	1a	1673	1/1	0.87	0.39	64,64,64,64	0
57	MG	25	106	1/1	0.87	0.11	65,65,65,65	0
57	MG	26	101	1/1	0.87	0.19	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1603	1/1	0.87	0.12	57,57,57,57	0
57	MG	1a	1675	1/1	0.87	0.15	66,66,66,66	0
57	MG	1O	203	1/1	0.87	0.23	64,64,64,64	0
57	MG	2A	3338	1/1	0.87	0.20	45,45,45,45	0
57	MG	1A	4029	1/1	0.87	0.12	54,54,54,54	0
57	MG	1A	3920	1/1	0.87	0.22	52,52,52,52	0
57	MG	1A	3674	1/1	0.87	0.14	55,55,55,55	0
57	MG	1A	3466	1/1	0.87	0.30	37,37,37,37	0
57	MG	2A	3217	1/1	0.87	0.20	57,57,57,57	0
57	MG	2A	3365	1/1	0.87	0.19	56,56,56,56	0
57	MG	2A	3693	1/1	0.87	0.11	52,52,52,52	0
57	MG	2a	1675	1/1	0.87	0.18	56,56,56,56	0
57	MG	2A	3366	1/1	0.87	0.25	57,57,57,57	0
57	MG	2a	1693	1/1	0.87	0.17	58,58,58,58	0
57	MG	1A	3931	1/1	0.87	0.11	59,59,59,59	0
57	MG	10	107	1/1	0.87	0.17	61,61,61,61	0
57	MG	2A	3710	1/1	0.87	0.14	53,53,53,53	0
57	MG	1A	3939	1/1	0.87	0.19	63,63,63,63	0
57	MG	2a	1715	1/1	0.87	0.23	62,62,62,62	0
57	MG	2A	3394	1/1	0.87	0.32	57,57,57,57	0
57	MG	1A	3679	1/1	0.87	0.13	44,44,44,44	0
57	MG	2A	3023	1/1	0.87	0.14	56,56,56,56	0
57	MG	2A	3028	1/1	0.87	0.19	54,54,54,54	0
57	MG	2A	3030	1/1	0.87	0.17	59,59,59,59	0
57	MG	2A	3732	1/1	0.87	0.26	42,42,42,42	0
57	MG	2A	3412	1/1	0.87	0.35	49,49,49,49	0
57	MG	1A	3629	1/1	0.87	0.13	29,29,29,29	0
57	MG	2A	3246	1/1	0.87	0.18	62,62,62,62	0
57	MG	1A	3406	1/1	0.87	0.23	48,48,48,48	0
57	MG	2A	3446	1/1	0.87	0.16	56,56,56,56	0
57	MG	2a	1745	1/1	0.87	0.13	55,55,55,55	0
57	MG	1a	1612	1/1	0.87	0.15	55,55,55,55	0
57	MG	2A	3454	1/1	0.87	0.10	55,55,55,55	0
57	MG	2a	1749	1/1	0.87	0.15	70,70,70,70	0
57	MG	2A	3764	1/1	0.87	0.10	40,40,40,40	0
57	MG	1A	3550	1/1	0.87	0.19	46,46,46,46	0
57	MG	1A	3335	1/1	0.87	0.15	53,53,53,53	0
57	MG	2A	3077	1/1	0.87	0.19	50,50,50,50	0
57	MG	1A	3983	1/1	0.87	0.12	53,53,53,53	0
57	MG	1A	3442	1/1	0.87	0.13	45,45,45,45	0
57	MG	2A	3088	1/1	0.87	0.10	46,46,46,46	0
57	MG	1a	1755	1/1	0.87	0.13	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3803	1/1	0.87	0.16	54,54,54,54	0
57	MG	1A	3880	1/1	0.87	0.14	52,52,52,52	0
57	MG	2A	3819	1/1	0.87	0.11	57,57,57,57	0
57	MG	1a	1642	1/1	0.87	0.20	55,55,55,55	0
57	MG	1a	1763	1/1	0.87	0.23	56,56,56,56	0
57	MG	1A	3881	1/1	0.87	0.12	20,20,20,20	0
57	MG	2A	3551	1/1	0.87	0.22	45,45,45,45	0
57	MG	1A	3349	1/1	0.87	0.11	37,37,37,37	0
57	MG	1E	306	1/1	0.87	0.10	10,10,10,10	0
57	MG	2A	3477	1/1	0.88	0.26	57,57,57,57	0
57	MG	2A	3494	1/1	0.88	0.10	38,38,38,38	0
57	MG	2A	3496	1/1	0.88	0.20	59,59,59,59	0
57	MG	2A	3044	1/1	0.88	0.20	62,62,62,62	0
57	MG	2A	3499	1/1	0.88	0.13	26,26,26,26	0
57	MG	2A	3837	1/1	0.88	0.12	31,31,31,31	0
57	MG	1B	231	1/1	0.88	0.09	45,45,45,45	0
57	MG	2A	3256	1/1	0.88	0.08	49,49,49,49	0
57	MG	2B	201	1/1	0.88	0.13	67,67,67,67	0
57	MG	2A	3259	1/1	0.88	0.26	42,42,42,42	0
57	MG	2A	3260	1/1	0.88	0.13	38,38,38,38	0
57	MG	1A	3069	1/1	0.88	0.26	42,42,42,42	0
57	MG	2A	3537	1/1	0.88	0.08	32,32,32,32	0
57	MG	2A	3057	1/1	0.88	0.11	57,57,57,57	0
57	MG	2B	210	1/1	0.88	0.26	60,60,60,60	0
57	MG	2A	3266	1/1	0.88	0.08	49,49,49,49	0
57	MG	1A	3733	1/1	0.88	0.12	19,19,19,19	0
57	MG	2A	3558	1/1	0.88	0.15	27,27,27,27	0
57	MG	2A	3269	1/1	0.88	0.25	61,61,61,61	0
57	MG	2A	3063	1/1	0.88	0.21	57,57,57,57	0
57	MG	1a	1636	1/1	0.88	0.31	65,65,65,65	0
57	MG	1A	3425	1/1	0.88	0.16	63,63,63,63	0
57	MG	1A	3656	1/1	0.88	0.13	56,56,56,56	0
57	MG	1A	3660	1/1	0.88	0.10	24,24,24,24	0
57	MG	1a	1645	1/1	0.88	0.23	53,53,53,53	0
57	MG	1E	309	1/1	0.88	0.13	48,48,48,48	0
57	MG	2Z	301	1/1	0.88	0.20	61,61,61,61	0
57	MG	2A	3100	1/1	0.88	0.19	56,56,56,56	0
57	MG	1F	304	1/1	0.88	0.13	51,51,51,51	0
57	MG	1a	1768	1/1	0.88	0.14	71,71,71,71	0
57	MG	2A	3631	1/1	0.88	0.18	33,33,33,33	0
57	MG	1A	3781	1/1	0.88	0.13	30,30,30,30	0
57	MG	1A	3293	1/1	0.88	0.12	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1G	202	1/1	0.88	0.27	58,58,58,58	0
57	MG	2A	3312	1/1	0.88	0.12	68,68,68,68	0
57	MG	2a	1619	1/1	0.88	0.16	55,55,55,55	0
57	MG	1G	203	1/1	0.88	0.10	64,64,64,64	0
57	MG	2a	1624	1/1	0.88	0.29	58,58,58,58	0
57	MG	1A	3898	1/1	0.88	0.13	20,20,20,20	0
57	MG	1A	3789	1/1	0.88	0.13	51,51,51,51	0
57	MG	2a	1641	1/1	0.88	0.21	66,66,66,66	0
57	MG	1A	3790	1/1	0.88	0.12	61,61,61,61	0
57	MG	2a	1646	1/1	0.88	0.16	57,57,57,57	0
57	MG	2a	1654	1/1	0.88	0.21	54,54,54,54	0
57	MG	2a	1659	1/1	0.88	0.38	55,55,55,55	0
57	MG	2A	3323	1/1	0.88	0.15	59,59,59,59	0
57	MG	2a	1668	1/1	0.88	0.28	57,57,57,57	0
57	MG	1A	4030	1/1	0.88	0.11	60,60,60,60	0
57	MG	1a	1793	1/1	0.88	0.16	67,67,67,67	0
57	MG	2A	3330	1/1	0.88	0.21	65,65,65,65	0
57	MG	1A	3380	1/1	0.88	0.30	52,52,52,52	0
57	MG	2a	1695	1/1	0.88	0.25	55,55,55,55	0
57	MG	2A	3147	1/1	0.88	0.20	43,43,43,43	0
57	MG	2a	1701	1/1	0.88	0.21	68,68,68,68	0
57	MG	1A	3805	1/1	0.88	0.11	54,54,54,54	0
57	MG	1a	1674	1/1	0.88	0.17	56,56,56,56	0
57	MG	1T	202	1/1	0.88	0.13	48,48,48,48	0
57	MG	2a	1714	1/1	0.88	0.22	51,51,51,51	0
57	MG	1A	3809	1/1	0.88	0.13	67,67,67,67	0
57	MG	2A	3704	1/1	0.88	0.09	55,55,55,55	0
57	MG	1a	1677	1/1	0.88	0.30	60,60,60,60	0
57	MG	2A	3179	1/1	0.88	0.13	62,62,62,62	0
57	MG	1a	1679	1/1	0.88	0.15	62,62,62,62	0
57	MG	2a	1729	1/1	0.88	0.11	50,50,50,50	0
57	MG	1x	102	1/1	0.88	0.12	55,55,55,55	0
57	MG	2A	3188	1/1	0.88	0.24	59,59,59,59	0
57	MG	1A	3476	1/1	0.88	0.13	67,67,67,67	0
57	MG	2A	3369	1/1	0.88	0.11	51,51,51,51	0
57	MG	1A	3824	1/1	0.88	0.10	30,30,30,30	0
57	MG	2A	3729	1/1	0.88	0.11	49,49,49,49	0
57	MG	1B	208	1/1	0.88	0.14	57,57,57,57	0
57	MG	2A	3733	1/1	0.88	0.09	50,50,50,50	0
57	MG	2A	3211	1/1	0.88	0.17	49,49,49,49	0
57	MG	2A	3385	1/1	0.88	0.21	35,35,35,35	0
57	MG	1A	3454	1/1	0.88	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
57	MG	1A	3510	1/1	0.88	0.17	44,44,44,44	0
57	MG	2A	3219	1/1	0.88	0.14	34,34,34,34	0
57	MG	2a	1753	1/1	0.88	0.10	57,57,57,57	0
57	MG	2A	3750	1/1	0.88	0.18	60,60,60,60	0
57	MG	2A	3753	1/1	0.88	0.17	57,57,57,57	0
57	MG	1a	1717	1/1	0.88	0.23	56,56,56,56	0
57	MG	1A	3394	1/1	0.88	0.12	56,56,56,56	0
57	MG	2A	3019	1/1	0.88	0.15	50,50,50,50	0
57	MG	1A	3326	1/1	0.88	0.11	47,47,47,47	0
57	MG	2f	201	1/1	0.88	0.17	61,61,61,61	0
57	MG	2A	3230	1/1	0.88	0.20	59,59,59,59	0
57	MG	1A	3710	1/1	0.88	0.17	32,32,32,32	0
57	MG	1a	1611	1/1	0.88	0.19	69,69,69,69	0
57	MG	2A	3029	1/1	0.88	0.20	37,37,37,37	0
57	MG	2A	3240	1/1	0.88	0.11	52,52,52,52	0
57	MG	1a	1724	1/1	0.88	0.18	48,48,48,48	0
57	MG	1a	1730	1/1	0.88	0.17	56,56,56,56	0
57	MG	1A	3973	1/1	0.88	0.09	62,62,62,62	0
57	MG	2A	3817	1/1	0.88	0.15	60,60,60,60	0
57	MG	1a	1753	1/1	0.89	0.18	55,55,55,55	0
57	MG	1A	3452	1/1	0.89	0.31	43,43,43,43	0
57	MG	2A	3835	1/1	0.89	0.21	69,69,69,69	0
57	MG	2A	3518	1/1	0.89	0.10	32,32,32,32	0
57	MG	2A	3842	1/1	0.89	0.12	48,48,48,48	0
57	MG	1a	1759	1/1	0.89	0.14	54,54,54,54	0
57	MG	1A	3239	1/1	0.89	0.16	42,42,42,42	0
57	MG	1A	3938	1/1	0.89	0.12	27,27,27,27	0
57	MG	1A	3327	1/1	0.89	0.18	55,55,55,55	0
57	MG	2A	3280	1/1	0.89	0.14	44,44,44,44	0
57	MG	1a	1766	1/1	0.89	0.09	45,45,45,45	0
57	MG	1A	3626	1/1	0.89	0.11	45,45,45,45	0
57	MG	1A	3791	1/1	0.89	0.15	43,43,43,43	0
57	MG	1A	3793	1/1	0.89	0.09	44,44,44,44	0
57	MG	2A	3298	1/1	0.89	0.32	52,52,52,52	0
57	MG	1A	3246	1/1	0.89	0.21	45,45,45,45	0
57	MG	1A	3633	1/1	0.89	0.10	41,41,41,41	0
57	MG	1A	3147	1/1	0.89	0.17	31,31,31,31	0
57	MG	2A	3592	1/1	0.89	0.09	28,28,28,28	0
57	MG	2A	3596	1/1	0.89	0.11	54,54,54,54	0
57	MG	2A	3597	1/1	0.89	0.15	46,46,46,46	0
57	MG	2A	3598	1/1	0.89	0.13	57,57,57,57	0
57	MG	1A	3975	1/1	0.89	0.18	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3305	1/1	0.89	0.12	43,43,43,43	0
57	MG	1a	1661	1/1	0.89	0.12	54,54,54,54	0
57	MG	2T	205	1/1	0.89	0.09	59,59,59,59	0
57	MG	2X	101	1/1	0.89	0.20	65,65,65,65	0
57	MG	2A	3609	1/1	0.89	0.15	40,40,40,40	0
57	MG	1A	3979	1/1	0.89	0.13	52,52,52,52	0
57	MG	2A	3617	1/1	0.89	0.09	28,28,28,28	0
57	MG	2A	3314	1/1	0.89	0.13	67,67,67,67	0
57	MG	2a	1602	1/1	0.89	0.13	45,45,45,45	0
57	MG	1a	1784	1/1	0.89	0.11	52,52,52,52	0
57	MG	2A	3317	1/1	0.89	0.27	59,59,59,59	0
57	MG	2a	1606	1/1	0.89	0.17	60,60,60,60	0
57	MG	2a	1609	1/1	0.89	0.11	65,65,65,65	0
57	MG	2A	3157	1/1	0.89	0.22	45,45,45,45	0
57	MG	2A	3319	1/1	0.89	0.16	49,49,49,49	0
57	MG	2A	3642	1/1	0.89	0.16	54,54,54,54	0
57	MG	1A	3275	1/1	0.89	0.09	34,34,34,34	0
57	MG	1A	3277	1/1	0.89	0.23	61,61,61,61	0
57	MG	2A	3324	1/1	0.89	0.28	55,55,55,55	0
57	MG	1A	3089	1/1	0.89	0.18	42,42,42,42	0
57	MG	2a	1637	1/1	0.89	0.21	51,51,51,51	0
57	MG	1A	3827	1/1	0.89	0.16	28,28,28,28	0
57	MG	2A	3175	1/1	0.89	0.16	45,45,45,45	0
57	MG	2A	3663	1/1	0.89	0.18	56,56,56,56	0
57	MG	1a	1671	1/1	0.89	0.30	67,67,67,67	0
57	MG	2A	3177	1/1	0.89	0.17	54,54,54,54	0
57	MG	1A	3294	1/1	0.89	0.20	46,46,46,46	0
57	MG	2a	1663	1/1	0.89	0.25	53,53,53,53	0
57	MG	2A	3182	1/1	0.89	0.21	52,52,52,52	0
57	MG	2A	3681	1/1	0.89	0.10	43,43,43,43	0
57	MG	2A	3686	1/1	0.89	0.18	77,77,77,77	0
57	MG	2a	1671	1/1	0.89	0.32	67,67,67,67	0
57	MG	2a	1674	1/1	0.89	0.20	52,52,52,52	0
57	MG	1A	3393	1/1	0.89	0.11	48,48,48,48	0
57	MG	2A	3339	1/1	0.89	0.15	60,60,60,60	0
57	MG	2a	1681	1/1	0.89	0.15	48,48,48,48	0
57	MG	2a	1686	1/1	0.89	0.18	61,61,61,61	0
57	MG	2a	1690	1/1	0.89	0.33	63,63,63,63	0
57	MG	1A	3492	1/1	0.89	0.07	43,43,43,43	0
57	MG	2A	3344	1/1	0.89	0.10	56,56,56,56	0
57	MG	2a	1697	1/1	0.89	0.18	46,46,46,46	0
57	MG	1A	3493	1/1	0.89	0.19	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1l	202	1/1	0.89	0.18	62,62,62,62	0
57	MG	2a	1703	1/1	0.89	0.20	49,49,49,49	0
57	MG	1n	101	1/1	0.89	0.33	69,69,69,69	0
57	MG	1n	102	1/1	0.89	0.20	61,61,61,61	0
57	MG	2A	3361	1/1	0.89	0.25	40,40,40,40	0
57	MG	2A	3362	1/1	0.89	0.14	56,56,56,56	0
57	MG	2A	3205	1/1	0.89	0.11	59,59,59,59	0
57	MG	1R	207	1/1	0.89	0.17	52,52,52,52	0
57	MG	1A	3855	1/1	0.89	0.08	43,43,43,43	0
57	MG	1A	4027	1/1	0.89	0.10	35,35,35,35	0
57	MG	2A	3725	1/1	0.89	0.15	59,59,59,59	0
57	MG	1a	1683	1/1	0.89	0.27	61,61,61,61	0
57	MG	2a	1730	1/1	0.89	0.20	58,58,58,58	0
57	MG	1A	3498	1/1	0.89	0.08	41,41,41,41	0
57	MG	1a	1687	1/1	0.89	0.15	63,63,63,63	0
57	MG	1a	1689	1/1	0.89	0.24	51,51,51,51	0
57	MG	1A	3304	1/1	0.89	0.16	43,43,43,43	0
57	MG	2A	3737	1/1	0.89	0.13	52,52,52,52	0
57	MG	1A	3511	1/1	0.89	0.23	44,44,44,44	0
57	MG	2a	1742	1/1	0.89	0.22	60,60,60,60	0
57	MG	1A	3704	1/1	0.89	0.09	11,11,11,11	0
57	MG	1A	3402	1/1	0.89	0.22	34,34,34,34	0
57	MG	1A	3208	1/1	0.89	0.16	49,49,49,49	0
57	MG	2A	3749	1/1	0.89	0.12	42,42,42,42	0
57	MG	2A	3417	1/1	0.89	0.22	50,50,50,50	0
57	MG	1A	3316	1/1	0.89	0.20	53,53,53,53	0
57	MG	1A	3233	1/1	0.89	0.14	36,36,36,36	0
57	MG	1A	3736	1/1	0.89	0.11	50,50,50,50	0
57	MG	2A	3247	1/1	0.89	0.14	61,61,61,61	0
57	MG	2A	3448	1/1	0.89	0.11	49,49,49,49	0
57	MG	1A	3322	1/1	0.89	0.15	54,54,54,54	0
57	MG	1a	1613	1/1	0.89	0.14	65,65,65,65	0
57	MG	1a	1731	1/1	0.89	0.23	51,51,51,51	0
57	MG	1a	1614	1/1	0.89	0.12	48,48,48,48	0
57	MG	1a	1618	1/1	0.89	0.09	40,40,40,40	0
57	MG	2A	3473	1/1	0.89	0.24	54,54,54,54	0
57	MG	1a	1734	1/1	0.89	0.25	57,57,57,57	0
57	MG	2A	3483	1/1	0.89	0.16	47,47,47,47	0
57	MG	1A	3323	1/1	0.89	0.24	46,46,46,46	0
57	MG	1a	1628	1/1	0.89	0.21	51,51,51,51	0
57	MG	2t	201	1/1	0.89	0.17	48,48,48,48	0
57	MG	2A	3824	1/1	0.89	0.14	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2x	101	1/1	0.89	0.19	60,60,60,60	0
57	MG	1A	3554	1/1	0.89	0.14	39,39,39,39	0
57	MG	2A	3827	1/1	0.89	0.10	20,20,20,20	0
57	MG	2x	105	1/1	0.89	0.28	57,57,57,57	0
57	MG	1B	224	1/1	0.89	0.12	53,53,53,53	0
57	MG	2A	3291	1/1	0.90	0.24	52,52,52,52	0
57	MG	1A	3336	1/1	0.90	0.11	33,33,33,33	0
57	MG	2A	3101	1/1	0.90	0.11	53,53,53,53	0
57	MG	1A	4006	1/1	0.90	0.12	38,38,38,38	0
57	MG	2A	3588	1/1	0.90	0.09	49,49,49,49	0
57	MG	1A	3417	1/1	0.90	0.18	61,61,61,61	0
57	MG	2A	3595	1/1	0.90	0.15	45,45,45,45	0
57	MG	1A	3494	1/1	0.90	0.15	43,43,43,43	0
57	MG	1a	1617	1/1	0.90	0.08	53,53,53,53	0
57	MG	1A	3292	1/1	0.90	0.11	33,33,33,33	0
57	MG	1a	1620	1/1	0.90	0.29	65,65,65,65	0
57	MG	1a	1760	1/1	0.90	0.07	52,52,52,52	0
57	MG	1A	4018	1/1	0.90	0.12	14,14,14,14	0
57	MG	1A	3426	1/1	0.90	0.12	47,47,47,47	0
57	MG	2A	3316	1/1	0.90	0.18	58,58,58,58	0
57	MG	1A	3351	1/1	0.90	0.14	50,50,50,50	0
57	MG	2P	203	1/1	0.90	0.09	49,49,49,49	0
57	MG	2A	3130	1/1	0.90	0.17	47,47,47,47	0
57	MG	1A	3164	1/1	0.90	0.23	43,43,43,43	0
57	MG	2T	202	1/1	0.90	0.13	58,58,58,58	0
57	MG	2A	3630	1/1	0.90	0.13	49,49,49,49	0
57	MG	1A	3847	1/1	0.90	0.08	19,19,19,19	0
57	MG	1A	3532	1/1	0.90	0.32	44,44,44,44	0
57	MG	2A	3151	1/1	0.90	0.17	42,42,42,42	0
57	MG	1A	3359	1/1	0.90	0.18	28,28,28,28	0
57	MG	1A	3453	1/1	0.90	0.13	57,57,57,57	0
57	MG	28	101	1/1	0.90	0.13	52,52,52,52	0
57	MG	2A	3647	1/1	0.90	0.15	52,52,52,52	0
57	MG	2A	3161	1/1	0.90	0.20	61,61,61,61	0
57	MG	1A	3858	1/1	0.90	0.11	33,33,33,33	0
57	MG	1A	3865	1/1	0.90	0.29	27,27,27,27	0
57	MG	2A	3652	1/1	0.90	0.11	34,34,34,34	0
57	MG	2A	3169	1/1	0.90	0.15	57,57,57,57	0
57	MG	1A	3318	1/1	0.90	0.08	39,39,39,39	0
57	MG	2a	1617	1/1	0.90	0.12	40,40,40,40	0
57	MG	2A	3659	1/1	0.90	0.18	52,52,52,52	0
57	MG	1A	3551	1/1	0.90	0.08	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3665	1/1	0.90	0.18	64,64,64,64	0
57	MG	2A	3666	1/1	0.90	0.20	43,43,43,43	0
57	MG	1A	3696	1/1	0.90	0.13	52,52,52,52	0
57	MG	2a	1630	1/1	0.90	0.19	59,59,59,59	0
57	MG	2a	1636	1/1	0.90	0.24	54,54,54,54	0
57	MG	1a	1658	1/1	0.90	0.12	55,55,55,55	0
57	MG	1A	3874	1/1	0.90	0.09	25,25,25,25	0
57	MG	1A	3321	1/1	0.90	0.21	39,39,39,39	0
57	MG	1a	1795	1/1	0.90	0.14	62,62,62,62	0
57	MG	2A	3684	1/1	0.90	0.10	40,40,40,40	0
57	MG	1a	1796	1/1	0.90	0.19	51,51,51,51	0
57	MG	1A	3166	1/1	0.90	0.10	35,35,35,35	0
57	MG	2A	3190	1/1	0.90	0.25	49,49,49,49	0
57	MG	2A	3191	1/1	0.90	0.16	57,57,57,57	0
57	MG	1A	3386	1/1	0.90	0.14	54,54,54,54	0
57	MG	1A	3712	1/1	0.90	0.08	41,41,41,41	0
57	MG	2A	3368	1/1	0.90	0.09	45,45,45,45	0
57	MG	1A	3720	1/1	0.90	0.12	47,47,47,47	0
57	MG	2A	3204	1/1	0.90	0.20	51,51,51,51	0
57	MG	2a	1676	1/1	0.90	0.49	69,69,69,69	0
57	MG	2a	1677	1/1	0.90	0.18	58,58,58,58	0
57	MG	2A	3709	1/1	0.90	0.13	52,52,52,52	0
57	MG	1A	3722	1/1	0.90	0.10	9,9,9,9	0
57	MG	2A	3206	1/1	0.90	0.19	62,62,62,62	0
57	MG	2a	1688	1/1	0.90	0.25	58,58,58,58	0
57	MG	2A	3715	1/1	0.90	0.14	60,60,60,60	0
57	MG	2a	1692	1/1	0.90	0.22	55,55,55,55	0
57	MG	1A	3904	1/1	0.90	0.15	47,47,47,47	0
57	MG	1A	3556	1/1	0.90	0.25	57,57,57,57	0
57	MG	1A	3915	1/1	0.90	0.10	28,28,28,28	0
57	MG	1A	3562	1/1	0.90	0.20	50,50,50,50	0
57	MG	1A	3924	1/1	0.90	0.09	26,26,26,26	0
57	MG	1r	101	1/1	0.90	0.30	54,54,54,54	0
57	MG	2A	3728	1/1	0.90	0.10	49,49,49,49	0
57	MG	2a	1709	1/1	0.90	0.14	37,37,37,37	0
57	MG	1t	201	1/1	0.90	0.11	48,48,48,48	0
57	MG	1A	3563	1/1	0.90	0.14	46,46,46,46	0
57	MG	1A	3591	1/1	0.90	0.07	42,42,42,42	0
57	MG	2A	3422	1/1	0.90	0.25	58,58,58,58	0
57	MG	2A	3429	1/1	0.90	0.11	54,54,54,54	0
57	MG	1A	3592	1/1	0.90	0.06	22,22,22,22	0
57	MG	1A	3933	1/1	0.90	0.10	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1682	1/1	0.90	0.13	54,54,54,54	0
57	MG	1A	3761	1/1	0.90	0.08	42,42,42,42	0
57	MG	1A	3593	1/1	0.90	0.11	31,31,31,31	0
57	MG	1A	3389	1/1	0.90	0.17	40,40,40,40	0
57	MG	1a	1688	1/1	0.90	0.08	65,65,65,65	0
57	MG	2A	3759	1/1	0.90	0.10	46,46,46,46	0
57	MG	2a	1735	1/1	0.90	0.21	50,50,50,50	0
57	MG	1A	3944	1/1	0.90	0.16	33,33,33,33	0
57	MG	1a	1698	1/1	0.90	0.09	65,65,65,65	0
57	MG	1A	3783	1/1	0.90	0.12	44,44,44,44	0
57	MG	1A	3784	1/1	0.90	0.11	47,47,47,47	0
57	MG	2A	3481	1/1	0.90	0.29	46,46,46,46	0
57	MG	2A	3773	1/1	0.90	0.12	38,38,38,38	0
57	MG	1A	3301	1/1	0.90	0.11	53,53,53,53	0
57	MG	2A	3484	1/1	0.90	0.25	54,54,54,54	0
57	MG	2A	3486	1/1	0.90	0.13	49,49,49,49	0
57	MG	1a	1713	1/1	0.90	0.22	60,60,60,60	0
57	MG	1A	3961	1/1	0.90	0.12	35,35,35,35	0
57	MG	2A	3800	1/1	0.90	0.08	43,43,43,43	0
57	MG	1A	3968	1/1	0.90	0.13	51,51,51,51	0
57	MG	2A	3805	1/1	0.90	0.12	48,48,48,48	0
57	MG	2A	3812	1/1	0.90	0.09	33,33,33,33	0
57	MG	1A	3606	1/1	0.90	0.21	47,47,47,47	0
57	MG	2A	3816	1/1	0.90	0.20	55,55,55,55	0
57	MG	2a	1769	1/1	0.90	0.22	58,58,58,58	0
57	MG	1A	3113	1/1	0.90	0.12	45,45,45,45	0
57	MG	2d	302	1/1	0.90	0.13	64,64,64,64	0
57	MG	2e	201	1/1	0.90	0.15	64,64,64,64	0
57	MG	2A	3818	1/1	0.90	0.15	52,52,52,52	0
57	MG	2A	3505	1/1	0.90	0.20	40,40,40,40	0
57	MG	1A	3610	1/1	0.90	0.06	16,16,16,16	0
57	MG	1A	3617	1/1	0.90	0.30	53,53,53,53	0
57	MG	1a	1727	1/1	0.90	0.17	48,48,48,48	0
57	MG	2A	3070	1/1	0.90	0.09	39,39,39,39	0
57	MG	1A	3982	1/1	0.90	0.15	46,46,46,46	0
57	MG	1A	3055	1/1	0.90	0.08	31,31,31,31	0
57	MG	1A	3803	1/1	0.90	0.10	44,44,44,44	0
57	MG	1A	3804	1/1	0.90	0.16	50,50,50,50	0
57	MG	1A	3315	1/1	0.90	0.18	41,41,41,41	0
57	MG	2A	3285	1/1	0.90	0.12	58,58,58,58	0
57	MG	1a	1743	1/1	0.90	0.12	48,48,48,48	0
57	MG	2x	107	1/1	0.90	0.24	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3364	1/1	0.91	0.22	31,31,31,31	0
57	MG	1A	4034	1/1	0.91	0.24	36,36,36,36	0
57	MG	1a	1638	1/1	0.91	0.24	52,52,52,52	0
57	MG	1a	1779	1/1	0.91	0.15	50,50,50,50	0
57	MG	2A	3798	1/1	0.91	0.11	24,24,24,24	0
57	MG	2A	3799	1/1	0.91	0.14	46,46,46,46	0
57	MG	1a	1640	1/1	0.91	0.20	49,49,49,49	0
57	MG	1a	1781	1/1	0.91	0.11	39,39,39,39	0
57	MG	2A	3441	1/1	0.91	0.11	65,65,65,65	0
57	MG	2A	3442	1/1	0.91	0.16	53,53,53,53	0
57	MG	1a	1783	1/1	0.91	0.19	61,61,61,61	0
57	MG	1A	3558	1/1	0.91	0.13	47,47,47,47	0
57	MG	2A	3449	1/1	0.91	0.20	55,55,55,55	0
57	MG	1A	3049	1/1	0.91	0.16	25,25,25,25	0
57	MG	2A	3452	1/1	0.91	0.09	41,41,41,41	0
57	MG	1A	3095	1/1	0.91	0.15	48,48,48,48	0
57	MG	2A	3825	1/1	0.91	0.10	20,20,20,20	0
57	MG	1A	3729	1/1	0.91	0.10	19,19,19,19	0
57	MG	2A	3212	1/1	0.91	0.12	56,56,56,56	0
57	MG	2A	3214	1/1	0.91	0.11	37,37,37,37	0
57	MG	1B	202	1/1	0.91	0.14	42,42,42,42	0
57	MG	1a	1651	1/1	0.91	0.18	52,52,52,52	0
57	MG	1a	1799	1/1	0.91	0.07	59,59,59,59	0
57	MG	1A	3572	1/1	0.91	0.10	44,44,44,44	0
57	MG	1A	3573	1/1	0.91	0.12	24,24,24,24	0
57	MG	1a	1804	1/1	0.91	0.18	51,51,51,51	0
57	MG	2A	3844	1/1	0.91	0.17	50,50,50,50	0
57	MG	2A	3491	1/1	0.91	0.29	48,48,48,48	0
57	MG	1a	1656	1/1	0.91	0.20	71,71,71,71	0
57	MG	1b	301	1/1	0.91	0.09	69,69,69,69	0
57	MG	1B	211	1/1	0.91	0.10	30,30,30,30	0
57	MG	1B	212	1/1	0.91	0.33	65,65,65,65	0
57	MG	2A	3236	1/1	0.91	0.10	48,48,48,48	0
57	MG	1A	3583	1/1	0.91	0.07	38,38,38,38	0
57	MG	2A	3506	1/1	0.91	0.17	32,32,32,32	0
57	MG	2B	211	1/1	0.91	0.22	62,62,62,62	0
57	MG	2B	212	1/1	0.91	0.09	69,69,69,69	0
57	MG	1A	3463	1/1	0.91	0.18	57,57,57,57	0
57	MG	1A	3758	1/1	0.91	0.07	28,28,28,28	0
57	MG	2B	217	1/1	0.91	0.15	58,58,58,58	0
57	MG	1A	3104	1/1	0.91	0.11	37,37,37,37	0
57	MG	1a	1667	1/1	0.91	0.12	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2D	309	1/1	0.91	0.14	60,60,60,60	0
57	MG	2A	3527	1/1	0.91	0.16	44,44,44,44	0
57	MG	1A	3384	1/1	0.91	0.26	44,44,44,44	0
57	MG	2E	305	1/1	0.91	0.12	47,47,47,47	0
57	MG	1x	101	1/1	0.91	0.22	55,55,55,55	0
57	MG	2F	302	1/1	0.91	0.22	43,43,43,43	0
57	MG	2A	3253	1/1	0.91	0.17	54,54,54,54	0
57	MG	1A	3923	1/1	0.91	0.13	46,46,46,46	0
57	MG	2A	3549	1/1	0.91	0.12	42,42,42,42	0
57	MG	2Q	204	1/1	0.91	0.18	46,46,46,46	0
57	MG	1A	3597	1/1	0.91	0.24	54,54,54,54	0
57	MG	2A	3553	1/1	0.91	0.10	49,49,49,49	0
57	MG	2A	3554	1/1	0.91	0.07	28,28,28,28	0
57	MG	1A	3771	1/1	0.91	0.14	41,41,41,41	0
57	MG	2W	202	1/1	0.91	0.18	47,47,47,47	0
57	MG	2A	3560	1/1	0.91	0.14	25,25,25,25	0
57	MG	1x	107	1/1	0.91	0.15	45,45,45,45	0
57	MG	2A	3261	1/1	0.91	0.12	45,45,45,45	0
57	MG	25	103	1/1	0.91	0.07	39,39,39,39	0
57	MG	25	105	1/1	0.91	0.08	34,34,34,34	0
57	MG	1x	108	1/1	0.91	0.13	43,43,43,43	0
57	MG	1A	3470	1/1	0.91	0.10	42,42,42,42	0
57	MG	2A	3575	1/1	0.91	0.17	48,48,48,48	0
57	MG	2a	1601	1/1	0.91	0.17	48,48,48,48	0
57	MG	1A	3782	1/1	0.91	0.09	28,28,28,28	0
57	MG	1D	309	1/1	0.91	0.12	41,41,41,41	0
57	MG	1A	3006	1/1	0.91	0.13	46,46,46,46	0
57	MG	1E	303	1/1	0.91	0.20	31,31,31,31	0
57	MG	2a	1608	1/1	0.91	0.29	44,44,44,44	0
57	MG	1A	3604	1/1	0.91	0.09	7,7,7,7	0
57	MG	2a	1610	1/1	0.91	0.10	53,53,53,53	0
57	MG	1A	3286	1/1	0.91	0.18	33,33,33,33	0
57	MG	1a	1681	1/1	0.91	0.15	55,55,55,55	0
57	MG	1A	3940	1/1	0.91	0.08	32,32,32,32	0
57	MG	1F	309	1/1	0.91	0.14	55,55,55,55	0
57	MG	2A	3604	1/1	0.91	0.08	21,21,21,21	0
57	MG	1A	3475	1/1	0.91	0.10	51,51,51,51	0
57	MG	2A	3282	1/1	0.91	0.09	46,46,46,46	0
57	MG	1a	1686	1/1	0.91	0.16	58,58,58,58	0
57	MG	2A	3615	1/1	0.91	0.27	61,61,61,61	0
57	MG	2a	1632	1/1	0.91	0.16	49,49,49,49	0
57	MG	1A	3392	1/1	0.91	0.24	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3613	1/1	0.91	0.08	40,40,40,40	0
57	MG	1A	3290	1/1	0.91	0.23	39,39,39,39	0
57	MG	2A	3294	1/1	0.91	0.23	61,61,61,61	0
57	MG	2A	3296	1/1	0.91	0.10	53,53,53,53	0
57	MG	2A	3052	1/1	0.91	0.11	45,45,45,45	0
57	MG	2a	1651	1/1	0.91	0.16	53,53,53,53	0
57	MG	2A	3633	1/1	0.91	0.14	47,47,47,47	0
57	MG	2a	1658	1/1	0.91	0.21	47,47,47,47	0
57	MG	2A	3055	1/1	0.91	0.10	57,57,57,57	0
57	MG	2a	1662	1/1	0.91	0.22	52,52,52,52	0
57	MG	2A	3640	1/1	0.91	0.20	53,53,53,53	0
57	MG	1a	1691	1/1	0.91	0.23	45,45,45,45	0
57	MG	1a	1694	1/1	0.91	0.24	45,45,45,45	0
57	MG	1A	3136	1/1	0.91	0.02	8,8,8,8	0
57	MG	2a	1670	1/1	0.91	0.26	56,56,56,56	0
57	MG	1A	3399	1/1	0.91	0.14	36,36,36,36	0
57	MG	2a	1673	1/1	0.91	0.17	57,57,57,57	0
57	MG	1N	202	1/1	0.91	0.07	30,30,30,30	0
57	MG	2A	3309	1/1	0.91	0.17	62,62,62,62	0
57	MG	2A	3310	1/1	0.91	0.23	55,55,55,55	0
57	MG	1A	3222	1/1	0.91	0.11	46,46,46,46	0
57	MG	1A	3328	1/1	0.91	0.22	48,48,48,48	0
57	MG	2a	1679	1/1	0.91	0.22	64,64,64,64	0
57	MG	1A	3970	1/1	0.91	0.12	44,44,44,44	0
57	MG	2a	1682	1/1	0.91	0.18	52,52,52,52	0
57	MG	2a	1684	1/1	0.91	0.12	58,58,58,58	0
57	MG	2A	3660	1/1	0.91	0.10	37,37,37,37	0
57	MG	2A	3087	1/1	0.91	0.11	62,62,62,62	0
57	MG	2A	3664	1/1	0.91	0.12	50,50,50,50	0
57	MG	1A	3645	1/1	0.91	0.13	48,48,48,48	0
57	MG	1A	3815	1/1	0.91	0.21	30,30,30,30	0
57	MG	1A	3509	1/1	0.91	0.09	67,67,67,67	0
57	MG	1A	3823	1/1	0.91	0.10	35,35,35,35	0
57	MG	2A	3669	1/1	0.91	0.14	58,58,58,58	0
57	MG	1A	3404	1/1	0.91	0.12	34,34,34,34	0
57	MG	2A	3672	1/1	0.91	0.17	43,43,43,43	0
57	MG	1Y	201	1/1	0.91	0.23	41,41,41,41	0
57	MG	1a	1728	1/1	0.91	0.24	50,50,50,50	0
57	MG	1a	1729	1/1	0.91	0.09	51,51,51,51	0
57	MG	2A	3111	1/1	0.91	0.15	45,45,45,45	0
57	MG	1A	3224	1/1	0.91	0.08	50,50,50,50	0
57	MG	1A	3408	1/1	0.91	0.09	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1718	1/1	0.91	0.14	40,40,40,40	0
57	MG	1A	3993	1/1	0.91	0.11	23,23,23,23	0
57	MG	2A	3692	1/1	0.91	0.19	46,46,46,46	0
57	MG	12	101	1/1	0.91	0.09	42,42,42,42	0
57	MG	2A	3336	1/1	0.91	0.24	55,55,55,55	0
57	MG	1A	3663	1/1	0.91	0.17	55,55,55,55	0
57	MG	2A	3701	1/1	0.91	0.17	54,54,54,54	0
57	MG	1a	1737	1/1	0.91	0.15	50,50,50,50	0
57	MG	1a	1742	1/1	0.91	0.11	51,51,51,51	0
57	MG	17	103	1/1	0.91	0.18	34,34,34,34	0
57	MG	1A	3834	1/1	0.91	0.10	31,31,31,31	0
57	MG	1A	4002	1/1	0.91	0.12	52,52,52,52	0
57	MG	2A	3145	1/1	0.91	0.09	51,51,51,51	0
57	MG	2A	3349	1/1	0.91	0.24	45,45,45,45	0
57	MG	2A	3717	1/1	0.91	0.09	45,45,45,45	0
57	MG	1A	3037	1/1	0.91	0.07	37,37,37,37	0
57	MG	2A	3720	1/1	0.91	0.08	39,39,39,39	0
57	MG	1a	1605	1/1	0.91	0.14	59,59,59,59	0
57	MG	1A	3238	1/1	0.91	0.18	42,42,42,42	0
57	MG	2A	3158	1/1	0.91	0.19	32,32,32,32	0
57	MG	1A	4011	1/1	0.91	0.09	40,40,40,40	0
57	MG	2A	3160	1/1	0.91	0.14	54,54,54,54	0
57	MG	1A	3308	1/1	0.91	0.07	29,29,29,29	0
57	MG	1A	3427	1/1	0.91	0.15	56,56,56,56	0
57	MG	2a	1757	1/1	0.91	0.23	60,60,60,60	0
57	MG	1A	3085	1/1	0.91	0.10	35,35,35,35	0
57	MG	2A	3371	1/1	0.91	0.10	47,47,47,47	0
57	MG	2A	3372	1/1	0.91	0.13	49,49,49,49	0
57	MG	1A	4022	1/1	0.91	0.10	43,43,43,43	0
57	MG	2a	1768	1/1	0.91	0.22	50,50,50,50	0
57	MG	1A	3245	1/1	0.91	0.11	40,40,40,40	0
57	MG	2A	3377	1/1	0.91	0.15	51,51,51,51	0
57	MG	2A	3378	1/1	0.91	0.14	46,46,46,46	0
57	MG	2A	3383	1/1	0.91	0.20	38,38,38,38	0
57	MG	1A	3361	1/1	0.91	0.09	45,45,45,45	0
57	MG	1a	1623	1/1	0.91	0.32	65,65,65,65	0
57	MG	2A	3755	1/1	0.91	0.11	37,37,37,37	0
57	MG	1A	4028	1/1	0.91	0.10	19,19,19,19	0
57	MG	1A	3362	1/1	0.91	0.29	56,56,56,56	0
57	MG	2A	3181	1/1	0.91	0.09	54,54,54,54	0
57	MG	2A	3406	1/1	0.91	0.28	55,55,55,55	0
57	MG	2A	3407	1/1	0.91	0.19	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3555	1/1	0.91	0.16	53,53,53,53	0
57	MG	2A	3409	1/1	0.91	0.22	45,45,45,45	0
57	MG	2x	103	1/1	0.91	0.17	35,35,35,35	0
57	MG	1a	1635	1/1	0.91	0.08	48,48,48,48	0
57	MG	2A	3779	1/1	0.91	0.13	59,59,59,59	0
57	MG	2A	3780	1/1	0.91	0.10	54,54,54,54	0
57	MG	2A	3781	1/1	0.91	0.09	63,63,63,63	0
57	MG	2A	3183	1/1	0.92	0.12	47,47,47,47	0
57	MG	1A	4020	1/1	0.92	0.12	37,37,37,37	0
57	MG	2A	3342	1/1	0.92	0.19	66,66,66,66	0
57	MG	1a	1692	1/1	0.92	0.20	50,50,50,50	0
57	MG	1A	3352	1/1	0.92	0.10	50,50,50,50	0
57	MG	2A	3189	1/1	0.92	0.12	41,41,41,41	0
57	MG	1A	3387	1/1	0.92	0.13	46,46,46,46	0
57	MG	2A	3635	1/1	0.92	0.10	48,48,48,48	0
57	MG	1A	4026	1/1	0.92	0.09	31,31,31,31	0
57	MG	2G	201	1/1	0.92	0.12	52,52,52,52	0
57	MG	2A	3192	1/1	0.92	0.27	46,46,46,46	0
57	MG	2A	3356	1/1	0.92	0.08	52,52,52,52	0
57	MG	1A	3162	1/1	0.92	0.08	27,27,27,27	0
57	MG	2A	3359	1/1	0.92	0.19	52,52,52,52	0
57	MG	2A	3360	1/1	0.92	0.10	48,48,48,48	0
57	MG	1A	3897	1/1	0.92	0.11	11,11,11,11	0
57	MG	2A	3200	1/1	0.92	0.09	44,44,44,44	0
57	MG	1A	3250	1/1	0.92	0.24	40,40,40,40	0
57	MG	2V	201	1/1	0.92	0.13	57,57,57,57	0
57	MG	2W	201	1/1	0.92	0.32	42,42,42,42	0
57	MG	1a	1715	1/1	0.92	0.20	56,56,56,56	0
57	MG	2A	3654	1/1	0.92	0.08	41,41,41,41	0
57	MG	2A	3657	1/1	0.92	0.10	48,48,48,48	0
57	MG	1a	1716	1/1	0.92	0.18	58,58,58,58	0
57	MG	1A	3899	1/1	0.92	0.09	50,50,50,50	0
57	MG	2A	3209	1/1	0.92	0.32	36,36,36,36	0
57	MG	1a	1718	1/1	0.92	0.19	53,53,53,53	0
57	MG	1A	3605	1/1	0.92	0.09	8,8,8,8	0
57	MG	1A	3681	1/1	0.92	0.14	37,37,37,37	0
57	MG	1A	4035	1/1	0.92	0.11	38,38,38,38	0
57	MG	1A	3429	1/1	0.92	0.12	44,44,44,44	0
57	MG	1A	3479	1/1	0.92	0.47	31,31,31,31	0
57	MG	2A	3223	1/1	0.92	0.13	44,44,44,44	0
57	MG	1A	3258	1/1	0.92	0.07	35,35,35,35	0
57	MG	2A	3387	1/1	0.92	0.23	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3675	1/1	0.92	0.12	39,39,39,39	0
57	MG	2A	3388	1/1	0.92	0.29	51,51,51,51	0
57	MG	2A	3678	1/1	0.92	0.09	68,68,68,68	0
57	MG	1a	1619	1/1	0.92	0.13	43,43,43,43	0
57	MG	2a	1616	1/1	0.92	0.19	46,46,46,46	0
57	MG	1A	3921	1/1	0.92	0.09	44,44,44,44	0
57	MG	1A	3183	1/1	0.92	0.17	30,30,30,30	0
57	MG	1B	204	1/1	0.92	0.19	50,50,50,50	0
57	MG	2A	3689	1/1	0.92	0.10	68,68,68,68	0
57	MG	1B	207	1/1	0.92	0.15	54,54,54,54	0
57	MG	1A	3395	1/1	0.92	0.13	42,42,42,42	0
57	MG	2A	3035	1/1	0.92	0.11	31,31,31,31	0
57	MG	2A	3039	1/1	0.92	0.11	52,52,52,52	0
57	MG	2a	1635	1/1	0.92	0.15	46,46,46,46	0
57	MG	2A	3410	1/1	0.92	0.09	42,42,42,42	0
57	MG	2A	3040	1/1	0.92	0.10	38,38,38,38	0
57	MG	2A	3242	1/1	0.92	0.11	39,39,39,39	0
57	MG	2A	3042	1/1	0.92	0.23	48,48,48,48	0
57	MG	2a	1643	1/1	0.92	0.29	58,58,58,58	0
57	MG	1A	3806	1/1	0.92	0.18	37,37,37,37	0
57	MG	1a	1736	1/1	0.92	0.10	48,48,48,48	0
57	MG	2a	1648	1/1	0.92	0.27	57,57,57,57	0
57	MG	2a	1650	1/1	0.92	0.16	47,47,47,47	0
57	MG	1A	3926	1/1	0.92	0.12	54,54,54,54	0
57	MG	2a	1653	1/1	0.92	0.32	49,49,49,49	0
57	MG	1A	3240	1/1	0.92	0.28	48,48,48,48	0
57	MG	2A	3435	1/1	0.92	0.07	45,45,45,45	0
57	MG	1A	3813	1/1	0.92	0.10	20,20,20,20	0
57	MG	2A	3254	1/1	0.92	0.13	64,64,64,64	0
57	MG	2A	3718	1/1	0.92	0.20	40,40,40,40	0
57	MG	2a	1665	1/1	0.92	0.17	53,53,53,53	0
57	MG	1a	1744	1/1	0.92	0.13	51,51,51,51	0
57	MG	2A	3061	1/1	0.92	0.11	62,62,62,62	0
57	MG	2A	3258	1/1	0.92	0.43	53,53,53,53	0
57	MG	1B	221	1/1	0.92	0.07	22,22,22,22	0
57	MG	1A	3495	1/1	0.92	0.22	44,44,44,44	0
57	MG	2A	3065	1/1	0.92	0.12	52,52,52,52	0
57	MG	1A	3728	1/1	0.92	0.11	32,32,32,32	0
57	MG	1A	3822	1/1	0.92	0.08	14,14,14,14	0
57	MG	1A	3338	1/1	0.92	0.09	37,37,37,37	0
57	MG	2A	3463	1/1	0.92	0.16	41,41,41,41	0
57	MG	1A	3638	1/1	0.92	0.11	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3475	1/1	0.92	0.06	42,42,42,42	0
57	MG	1A	3565	1/1	0.92	0.16	33,33,33,33	0
57	MG	2A	3739	1/1	0.92	0.17	47,47,47,47	0
57	MG	2A	3740	1/1	0.92	0.18	61,61,61,61	0
57	MG	1A	3945	1/1	0.92	0.08	53,53,53,53	0
57	MG	2A	3093	1/1	0.92	0.18	57,57,57,57	0
57	MG	1A	3642	1/1	0.92	0.15	43,43,43,43	0
57	MG	1A	3738	1/1	0.92	0.07	15,15,15,15	0
57	MG	2A	3487	1/1	0.92	0.42	51,51,51,51	0
57	MG	1a	1655	1/1	0.92	0.25	55,55,55,55	0
57	MG	2A	3754	1/1	0.92	0.08	44,44,44,44	0
57	MG	1a	1765	1/1	0.92	0.10	56,56,56,56	0
57	MG	2A	3495	1/1	0.92	0.08	34,34,34,34	0
57	MG	2a	1702	1/1	0.92	0.16	36,36,36,36	0
57	MG	1A	3744	1/1	0.92	0.10	63,63,63,63	0
57	MG	1A	3745	1/1	0.92	0.07	30,30,30,30	0
57	MG	1A	3837	1/1	0.92	0.09	10,10,10,10	0
57	MG	2A	3501	1/1	0.92	0.09	53,53,53,53	0
57	MG	1A	3840	1/1	0.92	0.10	20,20,20,20	0
57	MG	1A	3841	1/1	0.92	0.11	36,36,36,36	0
57	MG	2A	3287	1/1	0.92	0.30	40,40,40,40	0
57	MG	2a	1717	1/1	0.92	0.17	49,49,49,49	0
57	MG	2A	3778	1/1	0.92	0.10	55,55,55,55	0
57	MG	2A	3289	1/1	0.92	0.10	51,51,51,51	0
57	MG	2A	3290	1/1	0.92	0.08	51,51,51,51	0
57	MG	1A	3746	1/1	0.92	0.09	27,27,27,27	0
57	MG	2A	3524	1/1	0.92	0.30	51,51,51,51	0
57	MG	1A	3567	1/1	0.92	0.10	24,24,24,24	0
57	MG	2A	3795	1/1	0.92	0.16	47,47,47,47	0
57	MG	1A	3850	1/1	0.92	0.09	33,33,33,33	0
57	MG	1a	1777	1/1	0.92	0.18	56,56,56,56	0
57	MG	2A	3533	1/1	0.92	0.08	26,26,26,26	0
57	MG	1A	3371	1/1	0.92	0.20	47,47,47,47	0
57	MG	1A	3348	1/1	0.92	0.15	45,45,45,45	0
57	MG	1A	3856	1/1	0.92	0.12	44,44,44,44	0
57	MG	2a	1740	1/1	0.92	0.10	50,50,50,50	0
57	MG	2A	3133	1/1	0.92	0.16	51,51,51,51	0
57	MG	2A	3808	1/1	0.92	0.10	28,28,28,28	0
57	MG	2A	3137	1/1	0.92	0.19	44,44,44,44	0
57	MG	1A	3987	1/1	0.92	0.08	49,49,49,49	0
57	MG	1A	3090	1/1	0.92	0.22	48,48,48,48	0
57	MG	1A	3991	1/1	0.92	0.06	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3860	1/1	0.92	0.07	38,38,38,38	0
57	MG	1A	3995	1/1	0.92	0.07	23,23,23,23	0
57	MG	1a	1794	1/1	0.92	0.09	54,54,54,54	0
57	MG	1A	3659	1/1	0.92	0.09	26,26,26,26	0
57	MG	1a	1678	1/1	0.92	0.10	44,44,44,44	0
57	MG	1Q	203	1/1	0.92	0.15	49,49,49,49	0
57	MG	2A	3828	1/1	0.92	0.12	56,56,56,56	0
57	MG	2A	3579	1/1	0.92	0.11	31,31,31,31	0
57	MG	1A	3160	1/1	0.92	0.10	33,33,33,33	0
57	MG	2a	1766	1/1	0.92	0.17	52,52,52,52	0
57	MG	2A	3582	1/1	0.92	0.13	43,43,43,43	0
57	MG	2A	3583	1/1	0.92	0.25	58,58,58,58	0
57	MG	1A	3772	1/1	0.92	0.15	53,53,53,53	0
57	MG	1A	3780	1/1	0.92	0.12	34,34,34,34	0
57	MG	2d	301	1/1	0.92	0.23	49,49,49,49	0
57	MG	2A	3594	1/1	0.92	0.12	48,48,48,48	0
57	MG	2A	3168	1/1	0.92	0.11	40,40,40,40	0
57	MG	1A	3873	1/1	0.92	0.14	56,56,56,56	0
57	MG	2A	3846	1/1	0.92	0.17	56,56,56,56	0
57	MG	2A	3170	1/1	0.92	0.10	56,56,56,56	0
57	MG	2k	201	1/1	0.92	0.21	53,53,53,53	0
57	MG	2B	202	1/1	0.92	0.07	63,63,63,63	0
57	MG	2l	203	1/1	0.92	0.12	56,56,56,56	0
57	MG	1A	3416	1/1	0.92	0.14	51,51,51,51	0
57	MG	1A	3875	1/1	0.92	0.15	51,51,51,51	0
57	MG	2B	205	1/1	0.92	0.17	60,60,60,60	0
57	MG	2A	3601	1/1	0.92	0.16	52,52,52,52	0
57	MG	1A	3876	1/1	0.92	0.09	38,38,38,38	0
57	MG	1e	201	1/1	0.92	0.35	59,59,59,59	0
57	MG	1e	202	1/1	0.92	0.16	57,57,57,57	0
57	MG	2A	3334	1/1	0.92	0.11	50,50,50,50	0
57	MG	1A	3544	1/1	0.92	0.08	38,38,38,38	0
57	MG	10	106	1/1	0.92	0.09	55,55,55,55	0
57	MG	2A	3616	1/1	0.92	0.09	39,39,39,39	0
57	MG	2A	3809	1/1	0.93	0.11	43,43,43,43	0
57	MG	1A	3484	1/1	0.93	0.15	40,40,40,40	0
57	MG	2A	3231	1/1	0.93	0.08	52,52,52,52	0
57	MG	1A	4042	1/1	0.93	0.19	43,43,43,43	0
57	MG	1A	3600	1/1	0.93	0.09	43,43,43,43	0
57	MG	1A	4045	1/1	0.93	0.13	37,37,37,37	0
57	MG	2A	3237	1/1	0.93	0.17	45,45,45,45	0
57	MG	1A	3485	1/1	0.93	0.18	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3889	1/1	0.93	0.12	17,17,17,17	0
57	MG	1A	3488	1/1	0.93	0.38	54,54,54,54	0
57	MG	1p	101	1/1	0.93	0.24	46,46,46,46	0
57	MG	1A	3756	1/1	0.93	0.11	11,11,11,11	0
57	MG	1A	3491	1/1	0.93	0.19	37,37,37,37	0
57	MG	1B	210	1/1	0.93	0.13	33,33,33,33	0
57	MG	1A	3415	1/1	0.93	0.23	37,37,37,37	0
57	MG	1x	103	1/1	0.93	0.28	43,43,43,43	0
57	MG	2A	3509	1/1	0.93	0.15	43,43,43,43	0
57	MG	2A	3838	1/1	0.93	0.14	57,57,57,57	0
57	MG	2A	3839	1/1	0.93	0.13	29,29,29,29	0
57	MG	2A	3510	1/1	0.93	0.12	51,51,51,51	0
57	MG	1a	1664	1/1	0.93	0.16	52,52,52,52	0
57	MG	2A	3513	1/1	0.93	0.06	39,39,39,39	0
57	MG	1A	3176	1/1	0.93	0.19	48,48,48,48	0
57	MG	1a	1666	1/1	0.93	0.23	50,50,50,50	0
57	MG	1A	3289	1/1	0.93	0.11	38,38,38,38	0
57	MG	1A	3768	1/1	0.93	0.07	32,32,32,32	0
57	MG	2A	3002	1/1	0.93	0.25	48,48,48,48	0
57	MG	1A	3016	1/1	0.93	0.20	37,37,37,37	0
57	MG	2A	3530	1/1	0.93	0.11	49,49,49,49	0
57	MG	2A	3262	1/1	0.93	0.09	63,63,63,63	0
57	MG	1A	3916	1/1	0.93	0.06	32,32,32,32	0
57	MG	2A	3264	1/1	0.93	0.07	66,66,66,66	0
57	MG	2A	3545	1/1	0.93	0.12	52,52,52,52	0
57	MG	2A	3546	1/1	0.93	0.08	37,37,37,37	0
57	MG	1A	3291	1/1	0.93	0.08	48,48,48,48	0
57	MG	1A	3778	1/1	0.93	0.08	16,16,16,16	0
57	MG	2A	3550	1/1	0.93	0.13	26,26,26,26	0
57	MG	1A	3615	1/1	0.93	0.10	36,36,36,36	0
57	MG	2A	3552	1/1	0.93	0.22	50,50,50,50	0
57	MG	1A	3499	1/1	0.93	0.09	48,48,48,48	0
57	MG	1A	3622	1/1	0.93	0.07	16,16,16,16	0
57	MG	2D	310	1/1	0.93	0.10	57,57,57,57	0
57	MG	1B	233	1/1	0.93	0.09	49,49,49,49	0
57	MG	2A	3273	1/1	0.93	0.14	48,48,48,48	0
57	MG	2A	3563	1/1	0.93	0.08	36,36,36,36	0
57	MG	1B	234	1/1	0.93	0.12	40,40,40,40	0
57	MG	2A	3566	1/1	0.93	0.12	36,36,36,36	0
57	MG	2F	303	1/1	0.93	0.08	46,46,46,46	0
57	MG	2F	304	1/1	0.93	0.08	40,40,40,40	0
57	MG	2A	3570	1/1	0.93	0.15	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3276	1/1	0.93	0.09	44,44,44,44	0
57	MG	1A	3623	1/1	0.93	0.10	11,11,11,11	0
57	MG	1B	236	1/1	0.93	0.11	46,46,46,46	0
57	MG	2Q	202	1/1	0.93	0.16	33,33,33,33	0
57	MG	1A	3625	1/1	0.93	0.06	15,15,15,15	0
57	MG	2A	3577	1/1	0.93	0.18	45,45,45,45	0
57	MG	1D	302	1/1	0.93	0.11	32,32,32,32	0
57	MG	2A	3037	1/1	0.93	0.12	38,38,38,38	0
57	MG	2T	203	1/1	0.93	0.19	39,39,39,39	0
57	MG	2T	204	1/1	0.93	0.13	51,51,51,51	0
57	MG	2A	3283	1/1	0.93	0.13	43,43,43,43	0
57	MG	1D	303	1/1	0.93	0.17	33,33,33,33	0
57	MG	2V	203	1/1	0.93	0.20	46,46,46,46	0
57	MG	2A	3586	1/1	0.93	0.12	55,55,55,55	0
57	MG	1A	3507	1/1	0.93	0.20	50,50,50,50	0
57	MG	2A	3590	1/1	0.93	0.26	51,51,51,51	0
57	MG	1A	3786	1/1	0.93	0.17	46,46,46,46	0
57	MG	1D	312	1/1	0.93	0.12	36,36,36,36	0
57	MG	21	101	1/1	0.93	0.43	41,41,41,41	0
57	MG	25	101	1/1	0.93	0.24	46,46,46,46	0
57	MG	2A	3045	1/1	0.93	0.14	48,48,48,48	0
57	MG	1A	3934	1/1	0.93	0.11	23,23,23,23	0
57	MG	1E	304	1/1	0.93	0.14	45,45,45,45	0
57	MG	2A	3293	1/1	0.93	0.20	46,46,46,46	0
57	MG	2A	3053	1/1	0.93	0.10	54,54,54,54	0
57	MG	1a	1690	1/1	0.93	0.20	49,49,49,49	0
57	MG	1A	3935	1/1	0.93	0.11	25,25,25,25	0
57	MG	1A	3138	1/1	0.93	0.10	41,41,41,41	0
57	MG	2A	3299	1/1	0.93	0.40	57,57,57,57	0
57	MG	2A	3606	1/1	0.93	0.11	38,38,38,38	0
57	MG	1A	3372	1/1	0.93	0.10	34,34,34,34	0
57	MG	1a	1697	1/1	0.93	0.19	56,56,56,56	0
57	MG	2A	3614	1/1	0.93	0.07	30,30,30,30	0
57	MG	1A	3435	1/1	0.93	0.10	49,49,49,49	0
57	MG	1A	3516	1/1	0.93	0.12	47,47,47,47	0
57	MG	2a	1614	1/1	0.93	0.21	48,48,48,48	0
57	MG	1A	3436	1/1	0.93	0.18	56,56,56,56	0
57	MG	1a	1705	1/1	0.93	0.11	50,50,50,50	0
57	MG	1a	1706	1/1	0.93	0.17	60,60,60,60	0
57	MG	2A	3627	1/1	0.93	0.11	27,27,27,27	0
57	MG	2a	1620	1/1	0.93	0.10	39,39,39,39	0
57	MG	1A	3796	1/1	0.93	0.09	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1711	1/1	0.93	0.14	52,52,52,52	0
57	MG	1A	3056	1/1	0.93	0.31	47,47,47,47	0
57	MG	2a	1627	1/1	0.93	0.29	59,59,59,59	0
57	MG	1A	3952	1/1	0.93	0.13	54,54,54,54	0
57	MG	1A	3536	1/1	0.93	0.13	49,49,49,49	0
57	MG	2A	3097	1/1	0.93	0.23	55,55,55,55	0
57	MG	1A	3538	1/1	0.93	0.12	45,45,45,45	0
57	MG	1A	3654	1/1	0.93	0.09	11,11,11,11	0
57	MG	2A	3320	1/1	0.93	0.11	61,61,61,61	0
57	MG	1A	3808	1/1	0.93	0.16	42,42,42,42	0
57	MG	2A	3102	1/1	0.93	0.15	51,51,51,51	0
57	MG	1A	3097	1/1	0.93	0.16	25,25,25,25	0
57	MG	2A	3650	1/1	0.93	0.11	47,47,47,47	0
57	MG	2A	3325	1/1	0.93	0.11	54,54,54,54	0
57	MG	1O	204	1/1	0.93	0.08	58,58,58,58	0
57	MG	1a	1722	1/1	0.93	0.17	48,48,48,48	0
57	MG	2A	3109	1/1	0.93	0.30	61,61,61,61	0
57	MG	1O	205	1/1	0.93	0.06	28,28,28,28	0
57	MG	1A	3447	1/1	0.93	0.13	57,57,57,57	0
57	MG	1A	3547	1/1	0.93	0.24	50,50,50,50	0
57	MG	2a	1660	1/1	0.93	0.17	56,56,56,56	0
57	MG	1A	3820	1/1	0.93	0.10	43,43,43,43	0
57	MG	2A	3662	1/1	0.93	0.09	56,56,56,56	0
57	MG	1S	203	1/1	0.93	0.07	50,50,50,50	0
57	MG	1A	3978	1/1	0.93	0.10	43,43,43,43	0
57	MG	1A	3451	1/1	0.93	0.14	34,34,34,34	0
57	MG	1V	202	1/1	0.93	0.23	37,37,37,37	0
57	MG	2A	3340	1/1	0.93	0.13	61,61,61,61	0
57	MG	2A	3124	1/1	0.93	0.11	47,47,47,47	0
57	MG	1V	204	1/1	0.93	0.18	41,41,41,41	0
57	MG	1A	3300	1/1	0.93	0.24	29,29,29,29	0
57	MG	2A	3134	1/1	0.93	0.18	51,51,51,51	0
57	MG	2A	3673	1/1	0.93	0.17	50,50,50,50	0
57	MG	2A	3674	1/1	0.93	0.09	41,41,41,41	0
57	MG	1A	3669	1/1	0.93	0.08	43,43,43,43	0
57	MG	1A	3985	1/1	0.93	0.12	47,47,47,47	0
57	MG	2A	3351	1/1	0.93	0.27	54,54,54,54	0
57	MG	2A	3680	1/1	0.93	0.07	64,64,64,64	0
57	MG	2a	1683	1/1	0.93	0.17	54,54,54,54	0
57	MG	2A	3354	1/1	0.93	0.22	53,53,53,53	0
57	MG	1a	1740	1/1	0.93	0.13	32,32,32,32	0
57	MG	2A	3144	1/1	0.93	0.31	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1689	1/1	0.93	0.21	58,58,58,58	0
57	MG	1A	3087	1/1	0.93	0.14	50,50,50,50	0
57	MG	2A	3688	1/1	0.93	0.14	39,39,39,39	0
57	MG	10	102	1/1	0.93	0.15	44,44,44,44	0
57	MG	2a	1694	1/1	0.93	0.23	50,50,50,50	0
57	MG	2A	3148	1/1	0.93	0.22	57,57,57,57	0
57	MG	1A	3303	1/1	0.93	0.14	40,40,40,40	0
57	MG	1A	3988	1/1	0.93	0.06	21,21,21,21	0
57	MG	2A	3363	1/1	0.93	0.11	55,55,55,55	0
57	MG	2A	3364	1/1	0.93	0.15	51,51,51,51	0
57	MG	1A	3989	1/1	0.93	0.10	31,31,31,31	0
57	MG	13	103	1/1	0.93	0.20	41,41,41,41	0
57	MG	2A	3367	1/1	0.93	0.22	51,51,51,51	0
57	MG	1a	1751	1/1	0.93	0.19	47,47,47,47	0
57	MG	15	106	1/1	0.93	0.15	31,31,31,31	0
57	MG	2A	3162	1/1	0.93	0.10	48,48,48,48	0
57	MG	1A	3455	1/1	0.93	0.15	43,43,43,43	0
57	MG	1a	1754	1/1	0.93	0.07	33,33,33,33	0
57	MG	17	101	1/1	0.93	0.09	29,29,29,29	0
57	MG	1a	1758	1/1	0.93	0.15	45,45,45,45	0
57	MG	1A	3249	1/1	0.93	0.16	38,38,38,38	0
57	MG	2a	1724	1/1	0.93	0.09	65,65,65,65	0
57	MG	1A	3833	1/1	0.93	0.11	23,23,23,23	0
57	MG	2A	3380	1/1	0.93	0.18	43,43,43,43	0
57	MG	2a	1728	1/1	0.93	0.12	44,44,44,44	0
57	MG	2A	3722	1/1	0.93	0.07	24,24,24,24	0
57	MG	19	101	1/1	0.93	0.14	46,46,46,46	0
57	MG	1A	3340	1/1	0.93	0.07	35,35,35,35	0
57	MG	1a	1603	1/1	0.93	0.15	45,45,45,45	0
57	MG	2A	3178	1/1	0.93	0.13	44,44,44,44	0
57	MG	1A	3996	1/1	0.93	0.13	34,34,34,34	0
57	MG	1A	3835	1/1	0.93	0.08	40,40,40,40	0
57	MG	1a	1608	1/1	0.93	0.09	55,55,55,55	0
57	MG	1A	3461	1/1	0.93	0.11	38,38,38,38	0
57	MG	1A	3682	1/1	0.93	0.08	32,32,32,32	0
57	MG	1a	1770	1/1	0.93	0.09	56,56,56,56	0
57	MG	1A	3689	1/1	0.93	0.07	35,35,35,35	0
57	MG	1A	3695	1/1	0.93	0.07	38,38,38,38	0
57	MG	1a	1615	1/1	0.93	0.12	63,63,63,63	0
57	MG	1A	3343	1/1	0.93	0.15	45,45,45,45	0
57	MG	2A	3413	1/1	0.93	0.10	52,52,52,52	0
57	MG	1A	3848	1/1	0.93	0.14	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3747	1/1	0.93	0.12	58,58,58,58	0
57	MG	1A	4015	1/1	0.93	0.12	8,8,8,8	0
57	MG	1A	3699	1/1	0.93	0.07	34,34,34,34	0
57	MG	2A	3424	1/1	0.93	0.32	47,47,47,47	0
57	MG	2A	3425	1/1	0.93	0.12	37,37,37,37	0
57	MG	2A	3428	1/1	0.93	0.17	50,50,50,50	0
57	MG	1A	3345	1/1	0.93	0.09	36,36,36,36	0
57	MG	1A	3347	1/1	0.93	0.07	32,32,32,32	0
57	MG	1a	1627	1/1	0.93	0.14	43,43,43,43	0
57	MG	1A	3306	1/1	0.93	0.18	37,37,37,37	0
57	MG	2A	3437	1/1	0.93	0.15	45,45,45,45	0
57	MG	1A	3212	1/1	0.93	0.14	43,43,43,43	0
57	MG	2a	1771	1/1	0.93	0.17	63,63,63,63	0
57	MG	1A	3717	1/1	0.93	0.18	38,38,38,38	0
57	MG	1A	3569	1/1	0.93	0.11	20,20,20,20	0
57	MG	1A	3571	1/1	0.93	0.09	15,15,15,15	0
57	MG	2A	3213	1/1	0.93	0.09	28,28,28,28	0
57	MG	1A	3310	1/1	0.93	0.12	37,37,37,37	0
57	MG	1A	3110	1/1	0.93	0.32	32,32,32,32	0
57	MG	1A	3058	1/1	0.93	0.16	37,37,37,37	0
57	MG	2A	3788	1/1	0.93	0.08	35,35,35,35	0
57	MG	1A	3732	1/1	0.93	0.06	48,48,48,48	0
57	MG	2A	3793	1/1	0.93	0.17	38,38,38,38	0
57	MG	2A	3221	1/1	0.93	0.13	54,54,54,54	0
57	MG	2A	3461	1/1	0.93	0.16	50,50,50,50	0
57	MG	1A	3167	1/1	0.93	0.10	39,39,39,39	0
57	MG	1a	1644	1/1	0.93	0.09	53,53,53,53	0
57	MG	2A	3469	1/1	0.93	0.27	41,41,41,41	0
57	MG	2A	3472	1/1	0.93	0.13	54,54,54,54	0
57	MG	1A	3480	1/1	0.93	0.20	33,33,33,33	0
57	MG	1a	1646	1/1	0.93	0.12	50,50,50,50	0
57	MG	2A	3807	1/1	0.93	0.12	50,50,50,50	0
57	MG	1A	3412	1/1	0.93	0.10	49,49,49,49	0
57	MG	1A	3467	1/1	0.94	0.28	23,23,23,23	0
57	MG	2A	3457	1/1	0.94	0.16	41,41,41,41	0
57	MG	1A	3124	1/1	0.94	0.12	56,56,56,56	0
57	MG	1a	1786	1/1	0.94	0.10	42,42,42,42	0
57	MG	1a	1787	1/1	0.94	0.14	43,43,43,43	0
57	MG	1a	1788	1/1	0.94	0.10	48,48,48,48	0
57	MG	1A	3469	1/1	0.94	0.23	29,29,29,29	0
57	MG	2A	3465	1/1	0.94	0.12	40,40,40,40	0
57	MG	2A	3466	1/1	0.94	0.11	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3467	1/1	0.94	0.11	44,44,44,44	0
57	MG	1a	1616	1/1	0.94	0.08	40,40,40,40	0
57	MG	2A	3470	1/1	0.94	0.14	45,45,45,45	0
57	MG	2A	3810	1/1	0.94	0.09	36,36,36,36	0
57	MG	2A	3471	1/1	0.94	0.10	52,52,52,52	0
57	MG	2A	3218	1/1	0.94	0.10	39,39,39,39	0
57	MG	1A	3795	1/1	0.94	0.08	32,32,32,32	0
57	MG	1A	3024	1/1	0.94	0.10	46,46,46,46	0
57	MG	1A	3800	1/1	0.94	0.08	50,50,50,50	0
57	MG	1A	3801	1/1	0.94	0.20	44,44,44,44	0
57	MG	2A	3482	1/1	0.94	0.17	38,38,38,38	0
57	MG	1A	3612	1/1	0.94	0.05	28,28,28,28	0
57	MG	1A	3998	1/1	0.94	0.07	41,41,41,41	0
57	MG	1a	1624	1/1	0.94	0.17	45,45,45,45	0
57	MG	1a	1626	1/1	0.94	0.15	42,42,42,42	0
57	MG	1A	3367	1/1	0.94	0.18	34,34,34,34	0
57	MG	1A	3473	1/1	0.94	0.09	36,36,36,36	0
57	MG	2A	3233	1/1	0.94	0.24	47,47,47,47	0
57	MG	1A	4004	1/1	0.94	0.08	31,31,31,31	0
57	MG	1d	301	1/1	0.94	0.23	35,35,35,35	0
57	MG	1A	3202	1/1	0.94	0.10	49,49,49,49	0
57	MG	1A	3369	1/1	0.94	0.11	41,41,41,41	0
57	MG	1A	3203	1/1	0.94	0.13	57,57,57,57	0
57	MG	2A	3241	1/1	0.94	0.13	46,46,46,46	0
57	MG	1A	3810	1/1	0.94	0.07	51,51,51,51	0
57	MG	2A	3508	1/1	0.94	0.16	55,55,55,55	0
57	MG	1A	3624	1/1	0.94	0.07	13,13,13,13	0
57	MG	1A	3477	1/1	0.94	0.26	39,39,39,39	0
57	MG	1A	3817	1/1	0.94	0.07	51,51,51,51	0
57	MG	2A	3249	1/1	0.94	0.22	49,49,49,49	0
57	MG	2A	3514	1/1	0.94	0.08	50,50,50,50	0
57	MG	1A	3298	1/1	0.94	0.09	51,51,51,51	0
57	MG	1A	3137	1/1	0.94	0.11	40,40,40,40	0
57	MG	2A	3522	1/1	0.94	0.06	25,25,25,25	0
57	MG	1A	3630	1/1	0.94	0.09	18,18,18,18	0
57	MG	2A	3525	1/1	0.94	0.15	44,44,44,44	0
57	MG	1A	3059	1/1	0.94	0.07	37,37,37,37	0
57	MG	1A	3302	1/1	0.94	0.19	30,30,30,30	0
57	MG	1A	3216	1/1	0.94	0.28	46,46,46,46	0
57	MG	1a	1650	1/1	0.94	0.12	51,51,51,51	0
57	MG	2A	3532	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3221	1/1	0.94	0.14	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2D	306	1/1	0.94	0.32	40,40,40,40	0
57	MG	2A	3536	1/1	0.94	0.11	24,24,24,24	0
57	MG	1A	3489	1/1	0.94	0.24	42,42,42,42	0
57	MG	1A	3305	1/1	0.94	0.24	44,44,44,44	0
57	MG	1A	3390	1/1	0.94	0.13	34,34,34,34	0
57	MG	1A	3391	1/1	0.94	0.07	35,35,35,35	0
57	MG	2E	303	1/1	0.94	0.23	49,49,49,49	0
57	MG	1A	3139	1/1	0.94	0.09	27,27,27,27	0
57	MG	1A	3060	1/1	0.94	0.14	31,31,31,31	0
57	MG	2E	307	1/1	0.94	0.13	23,23,23,23	0
57	MG	1A	4039	1/1	0.94	0.14	35,35,35,35	0
57	MG	2A	3267	1/1	0.94	0.07	54,54,54,54	0
57	MG	2A	3010	1/1	0.94	0.14	36,36,36,36	0
57	MG	2F	306	1/1	0.94	0.13	34,34,34,34	0
57	MG	2A	3013	1/1	0.94	0.07	37,37,37,37	0
57	MG	2N	201	1/1	0.94	0.12	59,59,59,59	0
57	MG	2A	3270	1/1	0.94	0.25	57,57,57,57	0
57	MG	2P	201	1/1	0.94	0.21	47,47,47,47	0
57	MG	2A	3555	1/1	0.94	0.15	45,45,45,45	0
57	MG	2A	3016	1/1	0.94	0.31	56,56,56,56	0
57	MG	2A	3559	1/1	0.94	0.10	37,37,37,37	0
57	MG	1A	3152	1/1	0.94	0.07	27,27,27,27	0
57	MG	1a	1662	1/1	0.94	0.15	47,47,47,47	0
57	MG	2A	3274	1/1	0.94	0.28	53,53,53,53	0
57	MG	1A	3662	1/1	0.94	0.14	20,20,20,20	0
57	MG	1A	4043	1/1	0.94	0.11	36,36,36,36	0
57	MG	2A	3024	1/1	0.94	0.37	45,45,45,45	0
57	MG	2A	3025	1/1	0.94	0.14	36,36,36,36	0
57	MG	1A	3235	1/1	0.94	0.10	45,45,45,45	0
57	MG	1A	3664	1/1	0.94	0.09	19,19,19,19	0
57	MG	1A	3665	1/1	0.94	0.06	12,12,12,12	0
57	MG	1A	3158	1/1	0.94	0.17	38,38,38,38	0
57	MG	2A	3032	1/1	0.94	0.11	37,37,37,37	0
57	MG	1B	206	1/1	0.94	0.19	31,31,31,31	0
57	MG	1A	3851	1/1	0.94	0.10	32,32,32,32	0
57	MG	1A	3508	1/1	0.94	0.20	30,30,30,30	0
57	MG	2A	3288	1/1	0.94	0.07	43,43,43,43	0
57	MG	25	102	1/1	0.94	0.20	46,46,46,46	0
57	MG	2A	3589	1/1	0.94	0.10	55,55,55,55	0
57	MG	1A	3092	1/1	0.94	0.08	41,41,41,41	0
57	MG	2A	3591	1/1	0.94	0.20	49,49,49,49	0
57	MG	1A	3011	1/1	0.94	0.10	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3241	1/1	0.94	0.07	24,24,24,24	0
57	MG	2A	3043	1/1	0.94	0.12	41,41,41,41	0
57	MG	1A	3515	1/1	0.94	0.10	17,17,17,17	0
57	MG	1A	3863	1/1	0.94	0.16	42,42,42,42	0
57	MG	1A	3163	1/1	0.94	0.15	33,33,33,33	0
57	MG	2a	1605	1/1	0.94	0.23	44,44,44,44	0
57	MG	2A	3599	1/1	0.94	0.09	39,39,39,39	0
57	MG	2A	3050	1/1	0.94	0.08	39,39,39,39	0
57	MG	1A	3866	1/1	0.94	0.42	29,29,29,29	0
57	MG	1A	3869	1/1	0.94	0.11	13,13,13,13	0
57	MG	1A	3082	1/1	0.94	0.27	38,38,38,38	0
57	MG	1A	3531	1/1	0.94	0.22	37,37,37,37	0
57	MG	1A	3684	1/1	0.94	0.06	52,52,52,52	0
57	MG	2a	1615	1/1	0.94	0.11	44,44,44,44	0
57	MG	2A	3607	1/1	0.94	0.10	31,31,31,31	0
57	MG	2A	3059	1/1	0.94	0.07	43,43,43,43	0
57	MG	2A	3306	1/1	0.94	0.08	41,41,41,41	0
57	MG	2A	3308	1/1	0.94	0.18	42,42,42,42	0
57	MG	1B	230	1/1	0.94	0.09	35,35,35,35	0
57	MG	1A	3409	1/1	0.94	0.13	47,47,47,47	0
57	MG	1A	3533	1/1	0.94	0.30	30,30,30,30	0
57	MG	1A	3534	1/1	0.94	0.12	48,48,48,48	0
57	MG	1A	3165	1/1	0.94	0.15	35,35,35,35	0
57	MG	2a	1628	1/1	0.94	0.10	37,37,37,37	0
57	MG	2A	3621	1/1	0.94	0.12	25,25,25,25	0
57	MG	1A	3248	1/1	0.94	0.10	61,61,61,61	0
57	MG	2a	1633	1/1	0.94	0.10	55,55,55,55	0
57	MG	2A	3629	1/1	0.94	0.09	29,29,29,29	0
57	MG	2A	3084	1/1	0.94	0.07	46,46,46,46	0
57	MG	1A	3705	1/1	0.94	0.08	25,25,25,25	0
57	MG	2a	1639	1/1	0.94	0.28	56,56,56,56	0
57	MG	1A	3707	1/1	0.94	0.07	10,10,10,10	0
57	MG	1A	3543	1/1	0.94	0.07	53,53,53,53	0
57	MG	1A	3083	1/1	0.94	0.08	41,41,41,41	0
57	MG	2A	3089	1/1	0.94	0.21	32,32,32,32	0
57	MG	2A	3092	1/1	0.94	0.07	28,28,28,28	0
57	MG	2a	1647	1/1	0.94	0.17	38,38,38,38	0
57	MG	1A	3896	1/1	0.94	0.07	42,42,42,42	0
57	MG	1A	3108	1/1	0.94	0.09	34,34,34,34	0
57	MG	2A	3646	1/1	0.94	0.09	51,51,51,51	0
57	MG	2A	3326	1/1	0.94	0.07	49,49,49,49	0
57	MG	1A	3715	1/1	0.94	0.08	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2a	1656	1/1	0.94	0.24	39,39,39,39	0
57	MG	1a	1703	1/1	0.94	0.09	53,53,53,53	0
57	MG	1A	3716	1/1	0.94	0.10	41,41,41,41	0
57	MG	1A	3424	1/1	0.94	0.08	67,67,67,67	0
57	MG	1a	1708	1/1	0.94	0.19	54,54,54,54	0
57	MG	1A	3329	1/1	0.94	0.23	35,35,35,35	0
57	MG	1A	3251	1/1	0.94	0.21	51,51,51,51	0
57	MG	2A	3655	1/1	0.94	0.10	55,55,55,55	0
57	MG	2a	1667	1/1	0.94	0.09	60,60,60,60	0
57	MG	1E	311	1/1	0.94	0.15	51,51,51,51	0
57	MG	1A	3909	1/1	0.94	0.05	25,25,25,25	0
57	MG	2A	3110	1/1	0.94	0.21	48,48,48,48	0
57	MG	1A	3912	1/1	0.94	0.08	41,41,41,41	0
57	MG	2A	3112	1/1	0.94	0.14	40,40,40,40	0
57	MG	1A	3726	1/1	0.94	0.07	10,10,10,10	0
57	MG	1A	3255	1/1	0.94	0.11	31,31,31,31	0
57	MG	1G	201	1/1	0.94	0.10	33,33,33,33	0
57	MG	1A	3917	1/1	0.94	0.11	46,46,46,46	0
57	MG	1A	3048	1/1	0.94	0.10	21,21,21,21	0
57	MG	1A	3730	1/1	0.94	0.08	22,22,22,22	0
57	MG	2a	1680	1/1	0.94	0.15	50,50,50,50	0
57	MG	1A	3430	1/1	0.94	0.28	49,49,49,49	0
57	MG	2A	3352	1/1	0.94	0.20	42,42,42,42	0
57	MG	1I	201	1/1	0.94	0.13	60,60,60,60	0
57	MG	1A	3431	1/1	0.94	0.16	45,45,45,45	0
57	MG	2a	1685	1/1	0.94	0.18	41,41,41,41	0
57	MG	1A	3434	1/1	0.94	0.12	28,28,28,28	0
57	MG	2a	1687	1/1	0.94	0.16	57,57,57,57	0
57	MG	1A	3735	1/1	0.94	0.09	34,34,34,34	0
57	MG	1A	3265	1/1	0.94	0.20	23,23,23,23	0
57	MG	1A	3557	1/1	0.94	0.11	45,45,45,45	0
57	MG	1A	3932	1/1	0.94	0.14	37,37,37,37	0
57	MG	2A	3142	1/1	0.94	0.06	28,28,28,28	0
57	MG	2A	3143	1/1	0.94	0.17	54,54,54,54	0
57	MG	1A	3341	1/1	0.94	0.23	45,45,45,45	0
57	MG	1A	3438	1/1	0.94	0.20	40,40,40,40	0
57	MG	1a	1735	1/1	0.94	0.12	51,51,51,51	0
57	MG	1R	206	1/1	0.94	0.13	26,26,26,26	0
57	MG	1A	3270	1/1	0.94	0.12	35,35,35,35	0
57	MG	2A	3155	1/1	0.94	0.14	40,40,40,40	0
57	MG	2a	1704	1/1	0.94	0.22	50,50,50,50	0
57	MG	1S	202	1/1	0.94	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
57	MG	1A	3564	1/1	0.94	0.10	33,33,33,33	0
57	MG	1A	3754	1/1	0.94	0.09	16,16,16,16	0
57	MG	2A	3373	1/1	0.94	0.07	43,43,43,43	0
57	MG	2A	3374	1/1	0.94	0.21	56,56,56,56	0
57	MG	1A	3344	1/1	0.94	0.19	43,43,43,43	0
57	MG	2A	3705	1/1	0.94	0.14	44,44,44,44	0
57	MG	2A	3706	1/1	0.94	0.11	22,22,22,22	0
57	MG	1A	3444	1/1	0.94	0.11	34,34,34,34	0
57	MG	1A	3445	1/1	0.94	0.14	40,40,40,40	0
57	MG	2a	1723	1/1	0.94	0.14	47,47,47,47	0
57	MG	1W	202	1/1	0.94	0.16	38,38,38,38	0
57	MG	2A	3712	1/1	0.94	0.09	43,43,43,43	0
57	MG	1A	3271	1/1	0.94	0.18	39,39,39,39	0
57	MG	2A	3382	1/1	0.94	0.20	31,31,31,31	0
57	MG	1X	101	1/1	0.94	0.35	32,32,32,32	0
57	MG	1A	3766	1/1	0.94	0.33	22,22,22,22	0
57	MG	2A	3386	1/1	0.94	0.15	44,44,44,44	0
57	MG	1A	3177	1/1	0.94	0.17	38,38,38,38	0
57	MG	1A	3276	1/1	0.94	0.09	38,38,38,38	0
57	MG	2A	3390	1/1	0.94	0.17	24,24,24,24	0
57	MG	1Z	302	1/1	0.94	0.14	44,44,44,44	0
57	MG	1A	3956	1/1	0.94	0.10	18,18,18,18	0
57	MG	2A	3399	1/1	0.94	0.29	54,54,54,54	0
57	MG	10	105	1/1	0.94	0.30	57,57,57,57	0
57	MG	2A	3401	1/1	0.94	0.18	46,46,46,46	0
57	MG	1A	3769	1/1	0.94	0.10	32,32,32,32	0
57	MG	1A	3577	1/1	0.94	0.10	46,46,46,46	0
57	MG	1A	3966	1/1	0.94	0.15	55,55,55,55	0
57	MG	1a	1764	1/1	0.94	0.12	57,57,57,57	0
57	MG	2A	3735	1/1	0.94	0.08	49,49,49,49	0
57	MG	1A	3178	1/1	0.94	0.08	45,45,45,45	0
57	MG	2A	3184	1/1	0.94	0.11	43,43,43,43	0
57	MG	13	104	1/1	0.94	0.09	44,44,44,44	0
57	MG	1A	3775	1/1	0.94	0.43	22,22,22,22	0
57	MG	2A	3741	1/1	0.94	0.10	51,51,51,51	0
57	MG	2A	3743	1/1	0.94	0.10	33,33,33,33	0
57	MG	2A	3415	1/1	0.94	0.09	42,42,42,42	0
57	MG	2a	1761	1/1	0.94	0.12	64,64,64,64	0
57	MG	2a	1762	1/1	0.94	0.14	67,67,67,67	0
57	MG	2A	3416	1/1	0.94	0.30	51,51,51,51	0
57	MG	2A	3187	1/1	0.94	0.17	47,47,47,47	0
57	MG	1A	3584	1/1	0.94	0.09	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3971	1/1	0.94	0.09	62,62,62,62	0
57	MG	2A	3423	1/1	0.94	0.14	44,44,44,44	0
57	MG	2A	3751	1/1	0.94	0.13	51,51,51,51	0
57	MG	1A	3281	1/1	0.94	0.29	46,46,46,46	0
57	MG	1A	3974	1/1	0.94	0.13	48,48,48,48	0
57	MG	2A	3427	1/1	0.94	0.24	32,32,32,32	0
57	MG	2A	3757	1/1	0.94	0.08	51,51,51,51	0
57	MG	1A	3086	1/1	0.94	0.18	39,39,39,39	0
57	MG	2A	3760	1/1	0.94	0.11	51,51,51,51	0
57	MG	2A	3193	1/1	0.94	0.15	48,48,48,48	0
57	MG	2A	3195	1/1	0.94	0.14	47,47,47,47	0
57	MG	2A	3196	1/1	0.94	0.07	40,40,40,40	0
57	MG	1A	3457	1/1	0.94	0.13	45,45,45,45	0
57	MG	2A	3768	1/1	0.94	0.08	70,70,70,70	0
57	MG	1A	3595	1/1	0.94	0.09	22,22,22,22	0
57	MG	2A	3438	1/1	0.94	0.22	34,34,34,34	0
57	MG	2t	202	1/1	0.94	0.16	55,55,55,55	0
57	MG	2A	3440	1/1	0.94	0.09	44,44,44,44	0
57	MG	1A	3355	1/1	0.94	0.22	38,38,38,38	0
57	MG	1A	3287	1/1	0.94	0.17	40,40,40,40	0
57	MG	2A	3203	1/1	0.94	0.06	45,45,45,45	0
57	MG	1A	3181	1/1	0.94	0.10	44,44,44,44	0
57	MG	1A	3360	1/1	0.94	0.07	43,43,43,43	0
57	MG	1A	3114	1/1	0.94	0.10	31,31,31,31	0
57	MG	2A	3207	1/1	0.94	0.09	46,46,46,46	0
57	MG	1A	3963	1/1	0.95	0.05	19,19,19,19	0
57	MG	2A	3058	1/1	0.95	0.13	43,43,43,43	0
57	MG	1A	3964	1/1	0.95	0.07	34,34,34,34	0
57	MG	2A	3060	1/1	0.95	0.06	39,39,39,39	0
57	MG	1A	3814	1/1	0.95	0.10	43,43,43,43	0
57	MG	2A	3531	1/1	0.95	0.15	45,45,45,45	0
57	MG	1A	3967	1/1	0.95	0.07	40,40,40,40	0
57	MG	1A	3159	1/1	0.95	0.15	56,56,56,56	0
57	MG	2A	3534	1/1	0.95	0.08	48,48,48,48	0
57	MG	2A	3834	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3816	1/1	0.95	0.11	45,45,45,45	0
57	MG	2A	3836	1/1	0.95	0.11	56,56,56,56	0
57	MG	2A	3066	1/1	0.95	0.17	41,41,41,41	0
57	MG	1a	1712	1/1	0.95	0.13	44,44,44,44	0
57	MG	2A	3541	1/1	0.95	0.14	38,38,38,38	0
57	MG	2A	3072	1/1	0.95	0.07	48,48,48,48	0
57	MG	1A	3686	1/1	0.95	0.14	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3547	1/1	0.95	0.11	20,20,20,20	0
57	MG	2A	3079	1/1	0.95	0.17	48,48,48,48	0
57	MG	2A	3080	1/1	0.95	0.14	39,39,39,39	0
57	MG	2A	3081	1/1	0.95	0.08	49,49,49,49	0
57	MG	1A	3278	1/1	0.95	0.09	32,32,32,32	0
57	MG	1A	3033	1/1	0.95	0.18	24,24,24,24	0
57	MG	1Q	207	1/1	0.95	0.10	31,31,31,31	0
57	MG	1R	202	1/1	0.95	0.11	42,42,42,42	0
57	MG	1A	3319	1/1	0.95	0.15	51,51,51,51	0
57	MG	1A	3579	1/1	0.95	0.09	27,27,27,27	0
57	MG	1A	3977	1/1	0.95	0.06	39,39,39,39	0
57	MG	1A	3700	1/1	0.95	0.08	43,43,43,43	0
57	MG	2A	3561	1/1	0.95	0.08	41,41,41,41	0
57	MG	2A	3562	1/1	0.95	0.19	52,52,52,52	0
57	MG	2B	213	1/1	0.95	0.21	53,53,53,53	0
57	MG	1A	3701	1/1	0.95	0.07	36,36,36,36	0
57	MG	2A	3307	1/1	0.95	0.10	52,52,52,52	0
57	MG	2A	3565	1/1	0.95	0.11	37,37,37,37	0
57	MG	1A	3282	1/1	0.95	0.18	17,17,17,17	0
57	MG	1a	1726	1/1	0.95	0.28	61,61,61,61	0
57	MG	2D	307	1/1	0.95	0.12	41,41,41,41	0
57	MG	1U	210	1/1	0.95	0.17	34,34,34,34	0
57	MG	1A	3828	1/1	0.95	0.16	27,27,27,27	0
57	MG	2A	3573	1/1	0.95	0.10	14,14,14,14	0
57	MG	1A	3161	1/1	0.95	0.14	36,36,36,36	0
57	MG	1A	3832	1/1	0.95	0.23	22,22,22,22	0
57	MG	2A	3576	1/1	0.95	0.11	52,52,52,52	0
57	MG	1W	203	1/1	0.95	0.16	31,31,31,31	0
57	MG	1W	207	1/1	0.95	0.11	26,26,26,26	0
57	MG	1A	3706	1/1	0.95	0.07	31,31,31,31	0
57	MG	1A	3587	1/1	0.95	0.06	24,24,24,24	0
57	MG	1A	3589	1/1	0.95	0.10	42,42,42,42	0
57	MG	1A	3709	1/1	0.95	0.14	42,42,42,42	0
57	MG	2F	305	1/1	0.95	0.16	56,56,56,56	0
57	MG	2A	3587	1/1	0.95	0.18	48,48,48,48	0
57	MG	1A	3129	1/1	0.95	0.17	23,23,23,23	0
57	MG	1A	3992	1/1	0.95	0.08	25,25,25,25	0
57	MG	2A	3117	1/1	0.95	0.10	44,44,44,44	0
57	MG	1A	3376	1/1	0.95	0.13	37,37,37,37	0
57	MG	10	103	1/1	0.95	0.08	42,42,42,42	0
57	MG	1A	3437	1/1	0.95	0.14	36,36,36,36	0
57	MG	2Q	201	1/1	0.95	0.17	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3328	1/1	0.95	0.15	48,48,48,48	0
57	MG	2Q	203	1/1	0.95	0.09	52,52,52,52	0
57	MG	1A	3845	1/1	0.95	0.05	12,12,12,12	0
57	MG	1A	3131	1/1	0.95	0.17	20,20,20,20	0
57	MG	11	104	1/1	0.95	0.08	34,34,34,34	0
57	MG	2A	3125	1/1	0.95	0.10	37,37,37,37	0
57	MG	2A	3127	1/1	0.95	0.11	35,35,35,35	0
57	MG	2A	3129	1/1	0.95	0.18	52,52,52,52	0
57	MG	2A	3335	1/1	0.95	0.12	53,53,53,53	0
57	MG	1A	3502	1/1	0.95	0.14	32,32,32,32	0
57	MG	2V	202	1/1	0.95	0.21	48,48,48,48	0
57	MG	1A	3719	1/1	0.95	0.09	7,7,7,7	0
57	MG	1A	3440	1/1	0.95	0.14	47,47,47,47	0
57	MG	15	105	1/1	0.95	0.12	20,20,20,20	0
57	MG	2A	3608	1/1	0.95	0.10	27,27,27,27	0
57	MG	2Y	201	1/1	0.95	0.08	53,53,53,53	0
57	MG	1A	4003	1/1	0.95	0.08	43,43,43,43	0
57	MG	2A	3341	1/1	0.95	0.19	38,38,38,38	0
57	MG	1A	3378	1/1	0.95	0.19	44,44,44,44	0
57	MG	23	101	1/1	0.95	0.10	48,48,48,48	0
57	MG	1A	4005	1/1	0.95	0.10	70,70,70,70	0
57	MG	1A	3723	1/1	0.95	0.11	33,33,33,33	0
57	MG	2A	3345	1/1	0.95	0.07	36,36,36,36	0
57	MG	2A	3346	1/1	0.95	0.29	51,51,51,51	0
57	MG	1A	3043	1/1	0.95	0.07	19,19,19,19	0
57	MG	2A	3620	1/1	0.95	0.09	44,44,44,44	0
57	MG	27	101	1/1	0.95	0.13	35,35,35,35	0
57	MG	18	103	1/1	0.95	0.10	35,35,35,35	0
57	MG	28	102	1/1	0.95	0.12	38,38,38,38	0
57	MG	2A	3625	1/1	0.95	0.15	29,29,29,29	0
57	MG	2A	3146	1/1	0.95	0.09	45,45,45,45	0
57	MG	1A	4008	1/1	0.95	0.07	27,27,27,27	0
57	MG	1A	3206	1/1	0.95	0.33	27,27,27,27	0
57	MG	2A	3353	1/1	0.95	0.23	46,46,46,46	0
57	MG	1A	3076	1/1	0.95	0.10	32,32,32,32	0
57	MG	2a	1607	1/1	0.95	0.22	39,39,39,39	0
57	MG	1A	3513	1/1	0.95	0.18	21,21,21,21	0
57	MG	2A	3156	1/1	0.95	0.27	57,57,57,57	0
57	MG	1A	3330	1/1	0.95	0.09	51,51,51,51	0
57	MG	1a	1607	1/1	0.95	0.16	45,45,45,45	0
57	MG	2a	1612	1/1	0.95	0.18	56,56,56,56	0
57	MG	1A	3448	1/1	0.95	0.16	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1609	1/1	0.95	0.15	27,27,27,27	0
57	MG	1A	4019	1/1	0.95	0.08	39,39,39,39	0
57	MG	1A	3521	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3163	1/1	0.95	0.18	50,50,50,50	0
57	MG	1A	3527	1/1	0.95	0.17	60,60,60,60	0
57	MG	1A	4023	1/1	0.95	0.08	24,24,24,24	0
57	MG	1a	1775	1/1	0.95	0.11	57,57,57,57	0
57	MG	1a	1776	1/1	0.95	0.17	43,43,43,43	0
57	MG	2a	1623	1/1	0.95	0.29	43,43,43,43	0
57	MG	1A	3388	1/1	0.95	0.12	45,45,45,45	0
57	MG	1A	3334	1/1	0.95	0.06	34,34,34,34	0
57	MG	2a	1626	1/1	0.95	0.30	52,52,52,52	0
57	MG	1A	3743	1/1	0.95	0.07	16,16,16,16	0
57	MG	1A	3621	1/1	0.95	0.12	37,37,37,37	0
57	MG	2a	1629	1/1	0.95	0.18	47,47,47,47	0
57	MG	1A	3211	1/1	0.95	0.27	31,31,31,31	0
57	MG	1a	1782	1/1	0.95	0.08	37,37,37,37	0
57	MG	1A	3105	1/1	0.95	0.18	25,25,25,25	0
57	MG	2A	3661	1/1	0.95	0.07	47,47,47,47	0
57	MG	1A	3747	1/1	0.95	0.07	34,34,34,34	0
57	MG	1a	1785	1/1	0.95	0.13	44,44,44,44	0
57	MG	1A	3295	1/1	0.95	0.12	37,37,37,37	0
57	MG	1A	3535	1/1	0.95	0.17	52,52,52,52	0
57	MG	2A	3381	1/1	0.95	0.16	34,34,34,34	0
57	MG	1A	3296	1/1	0.95	0.08	34,34,34,34	0
57	MG	1a	1789	1/1	0.95	0.06	60,60,60,60	0
57	MG	1A	3888	1/1	0.95	0.14	42,42,42,42	0
57	MG	1A	4038	1/1	0.95	0.14	64,64,64,64	0
57	MG	1A	3757	1/1	0.95	0.09	11,11,11,11	0
57	MG	1A	3627	1/1	0.95	0.08	31,31,31,31	0
57	MG	1A	3894	1/1	0.95	0.09	49,49,49,49	0
57	MG	2A	3393	1/1	0.95	0.30	47,47,47,47	0
57	MG	2A	3676	1/1	0.95	0.14	45,45,45,45	0
57	MG	1a	1797	1/1	0.95	0.10	44,44,44,44	0
57	MG	2a	1657	1/1	0.95	0.24	45,45,45,45	0
57	MG	2A	3397	1/1	0.95	0.24	54,54,54,54	0
57	MG	1A	3537	1/1	0.95	0.18	32,32,32,32	0
57	MG	2A	3194	1/1	0.95	0.13	48,48,48,48	0
57	MG	2A	3682	1/1	0.95	0.12	40,40,40,40	0
57	MG	1A	3077	1/1	0.95	0.15	31,31,31,31	0
57	MG	1a	1800	1/1	0.95	0.06	44,44,44,44	0
57	MG	1A	3539	1/1	0.95	0.14	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3198	1/1	0.95	0.10	54,54,54,54	0
57	MG	1a	1639	1/1	0.95	0.34	56,56,56,56	0
57	MG	1A	4047	1/1	0.95	0.07	45,45,45,45	0
57	MG	1B	201	1/1	0.95	0.15	39,39,39,39	0
57	MG	1A	3542	1/1	0.95	0.07	34,34,34,34	0
57	MG	1A	3900	1/1	0.95	0.14	35,35,35,35	0
57	MG	2A	3696	1/1	0.95	0.10	23,23,23,23	0
57	MG	1A	3342	1/1	0.95	0.16	49,49,49,49	0
57	MG	1A	3175	1/1	0.95	0.12	30,30,30,30	0
57	MG	2A	3700	1/1	0.95	0.21	52,52,52,52	0
57	MG	1A	3905	1/1	0.95	0.09	47,47,47,47	0
57	MG	2A	3703	1/1	0.95	0.08	51,51,51,51	0
57	MG	1A	3907	1/1	0.95	0.08	43,43,43,43	0
57	MG	2A	3419	1/1	0.95	0.25	53,53,53,53	0
57	MG	1A	3644	1/1	0.95	0.05	19,19,19,19	0
57	MG	2A	3421	1/1	0.95	0.27	40,40,40,40	0
57	MG	1A	3143	1/1	0.95	0.20	41,41,41,41	0
57	MG	1A	3051	1/1	0.95	0.16	33,33,33,33	0
57	MG	1A	3649	1/1	0.95	0.12	36,36,36,36	0
57	MG	1A	3652	1/1	0.95	0.08	12,12,12,12	0
57	MG	2A	3714	1/1	0.95	0.16	51,51,51,51	0
57	MG	1A	3266	1/1	0.95	0.26	29,29,29,29	0
57	MG	1A	3268	1/1	0.95	0.10	33,33,33,33	0
57	MG	1A	3655	1/1	0.95	0.05	12,12,12,12	0
57	MG	2A	3220	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3922	1/1	0.95	0.09	52,52,52,52	0
57	MG	2A	3222	1/1	0.95	0.12	55,55,55,55	0
57	MG	1B	226	1/1	0.95	0.06	43,43,43,43	0
57	MG	2a	1698	1/1	0.95	0.18	49,49,49,49	0
57	MG	2a	1699	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3053	1/1	0.95	0.13	30,30,30,30	0
57	MG	1B	228	1/1	0.95	0.10	56,56,56,56	0
57	MG	1x	106	1/1	0.95	0.10	21,21,21,21	0
57	MG	1B	229	1/1	0.95	0.05	33,33,33,33	0
57	MG	2A	3445	1/1	0.95	0.17	50,50,50,50	0
57	MG	2A	3228	1/1	0.95	0.23	44,44,44,44	0
57	MG	2A	3730	1/1	0.95	0.10	28,28,28,28	0
57	MG	2A	3731	1/1	0.95	0.14	41,41,41,41	0
57	MG	2A	3447	1/1	0.95	0.10	39,39,39,39	0
57	MG	1A	3234	1/1	0.95	0.14	43,43,43,43	0
57	MG	1A	3272	1/1	0.95	0.12	38,38,38,38	0
57	MG	1A	3414	1/1	0.95	0.09	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3003	1/1	0.95	0.21	42,42,42,42	0
57	MG	2a	1719	1/1	0.95	0.09	41,41,41,41	0
57	MG	2A	3005	1/1	0.95	0.24	52,52,52,52	0
57	MG	2A	3235	1/1	0.95	0.07	38,38,38,38	0
57	MG	1A	3273	1/1	0.95	0.14	38,38,38,38	0
57	MG	1A	3929	1/1	0.95	0.06	27,27,27,27	0
57	MG	2A	3238	1/1	0.95	0.23	43,43,43,43	0
57	MG	1A	3311	1/1	0.95	0.09	41,41,41,41	0
57	MG	1A	3792	1/1	0.95	0.06	29,29,29,29	0
57	MG	2A	3464	1/1	0.95	0.13	34,34,34,34	0
57	MG	1a	1672	1/1	0.95	0.20	47,47,47,47	0
57	MG	1A	3094	1/1	0.95	0.09	31,31,31,31	0
57	MG	1B	238	1/1	0.95	0.06	23,23,23,23	0
57	MG	1A	3418	1/1	0.95	0.13	41,41,41,41	0
57	MG	2A	3020	1/1	0.95	0.06	20,20,20,20	0
57	MG	2A	3248	1/1	0.95	0.17	60,60,60,60	0
57	MG	1A	3560	1/1	0.95	0.16	45,45,45,45	0
57	MG	2A	3756	1/1	0.95	0.11	46,46,46,46	0
57	MG	1A	3478	1/1	0.95	0.10	27,27,27,27	0
57	MG	2A	3251	1/1	0.95	0.13	55,55,55,55	0
57	MG	1A	3799	1/1	0.95	0.08	43,43,43,43	0
57	MG	1A	3421	1/1	0.95	0.14	37,37,37,37	0
57	MG	2A	3762	1/1	0.95	0.12	42,42,42,42	0
57	MG	2A	3026	1/1	0.95	0.13	37,37,37,37	0
57	MG	1A	3941	1/1	0.95	0.07	37,37,37,37	0
57	MG	2A	3766	1/1	0.95	0.07	55,55,55,55	0
57	MG	1A	3673	1/1	0.95	0.13	40,40,40,40	0
57	MG	2a	1752	1/1	0.95	0.19	53,53,53,53	0
57	MG	1A	3943	1/1	0.95	0.06	34,34,34,34	0
57	MG	2A	3770	1/1	0.95	0.13	43,43,43,43	0
57	MG	1E	307	1/1	0.95	0.11	35,35,35,35	0
57	MG	1A	3423	1/1	0.95	0.21	47,47,47,47	0
57	MG	1a	1685	1/1	0.95	0.26	48,48,48,48	0
57	MG	2a	1760	1/1	0.95	0.13	47,47,47,47	0
57	MG	2A	3777	1/1	0.95	0.09	39,39,39,39	0
57	MG	1A	3314	1/1	0.95	0.12	40,40,40,40	0
57	MG	1F	301	1/1	0.95	0.15	26,26,26,26	0
57	MG	2a	1765	1/1	0.95	0.17	41,41,41,41	0
57	MG	2A	3497	1/1	0.95	0.10	39,39,39,39	0
57	MG	2A	3038	1/1	0.95	0.17	25,25,25,25	0
57	MG	2A	3784	1/1	0.95	0.07	50,50,50,50	0
57	MG	2A	3785	1/1	0.95	0.11	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3676	1/1	0.95	0.05	6,6,6,6	0
57	MG	1A	3948	1/1	0.95	0.08	8,8,8,8	0
57	MG	2A	3502	1/1	0.95	0.07	30,30,30,30	0
57	MG	2A	3503	1/1	0.95	0.12	46,46,46,46	0
57	MG	2A	3794	1/1	0.95	0.06	24,24,24,24	0
57	MG	1F	310	1/1	0.95	0.07	36,36,36,36	0
57	MG	1A	3949	1/1	0.95	0.18	29,29,29,29	0
57	MG	1A	3950	1/1	0.95	0.10	12,12,12,12	0
57	MG	1A	3677	1/1	0.95	0.11	40,40,40,40	0
57	MG	1a	1695	1/1	0.95	0.28	45,45,45,45	0
57	MG	2l	202	1/1	0.95	0.10	59,59,59,59	0
57	MG	1A	3566	1/1	0.95	0.06	11,11,11,11	0
57	MG	2A	3801	1/1	0.95	0.09	26,26,26,26	0
57	MG	2A	3511	1/1	0.95	0.08	36,36,36,36	0
57	MG	2A	3051	1/1	0.95	0.14	58,58,58,58	0
57	MG	1A	3680	1/1	0.95	0.09	46,46,46,46	0
57	MG	1a	1699	1/1	0.95	0.20	46,46,46,46	0
57	MG	2A	3517	1/1	0.95	0.12	25,25,25,25	0
57	MG	2A	3054	1/1	0.95	0.08	36,36,36,36	0
57	MG	2A	3520	1/1	0.95	0.14	55,55,55,55	0
57	MG	1A	3482	1/1	0.95	0.20	36,36,36,36	0
57	MG	2A	3278	1/1	0.95	0.12	62,62,62,62	0
57	MG	2A	3523	1/1	0.95	0.09	51,51,51,51	0
57	MG	1A	3236	1/1	0.95	0.10	51,51,51,51	0
58	K	1A	3512	1/1	0.95	0.12	74,74,74,74	0
57	MG	1A	3153	1/1	0.96	0.09	40,40,40,40	0
57	MG	1A	3198	1/1	0.96	0.09	16,16,16,16	0
57	MG	2A	3820	1/1	0.96	0.18	43,43,43,43	0
57	MG	1A	3365	1/1	0.96	0.08	45,45,45,45	0
57	MG	1E	308	1/1	0.96	0.12	13,13,13,13	0
57	MG	1A	3657	1/1	0.96	0.09	16,16,16,16	0
57	MG	1E	310	1/1	0.96	0.28	28,28,28,28	0
57	MG	1A	3366	1/1	0.96	0.08	31,31,31,31	0
57	MG	2A	3829	1/1	0.96	0.07	24,24,24,24	0
57	MG	1A	3541	1/1	0.96	0.15	42,42,42,42	0
57	MG	1F	303	1/1	0.96	0.18	23,23,23,23	0
57	MG	1a	1693	1/1	0.96	0.31	49,49,49,49	0
57	MG	1A	3661	1/1	0.96	0.09	21,21,21,21	0
57	MG	1A	3199	1/1	0.96	0.11	21,21,21,21	0
57	MG	1a	1696	1/1	0.96	0.27	38,38,38,38	0
57	MG	1A	3200	1/1	0.96	0.06	43,43,43,43	0
57	MG	1A	3254	1/1	0.96	0.12	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3370	1/1	0.96	0.13	38,38,38,38	0
57	MG	2A	3840	1/1	0.96	0.05	36,36,36,36	0
57	MG	2A	3841	1/1	0.96	0.16	52,52,52,52	0
57	MG	2A	3068	1/1	0.96	0.22	41,41,41,41	0
57	MG	2A	3069	1/1	0.96	0.20	46,46,46,46	0
57	MG	1A	3955	1/1	0.96	0.04	23,23,23,23	0
57	MG	1A	3449	1/1	0.96	0.13	25,25,25,25	0
57	MG	2A	3074	1/1	0.96	0.07	31,31,31,31	0
57	MG	2A	3295	1/1	0.96	0.06	45,45,45,45	0
57	MG	2A	3076	1/1	0.96	0.11	48,48,48,48	0
57	MG	1a	1702	1/1	0.96	0.16	39,39,39,39	0
57	MG	1A	3025	1/1	0.96	0.15	30,30,30,30	0
57	MG	1a	1704	1/1	0.96	0.10	53,53,53,53	0
57	MG	1A	3959	1/1	0.96	0.12	17,17,17,17	0
57	MG	2B	207	1/1	0.96	0.15	51,51,51,51	0
57	MG	2A	3082	1/1	0.96	0.07	37,37,37,37	0
57	MG	1A	3670	1/1	0.96	0.13	23,23,23,23	0
57	MG	2A	3303	1/1	0.96	0.20	53,53,53,53	0
57	MG	1A	3962	1/1	0.96	0.11	23,23,23,23	0
57	MG	1A	3549	1/1	0.96	0.18	31,31,31,31	0
57	MG	1A	3256	1/1	0.96	0.17	39,39,39,39	0
57	MG	2B	214	1/1	0.96	0.09	60,60,60,60	0
57	MG	1N	206	1/1	0.96	0.12	34,34,34,34	0
57	MG	1A	3375	1/1	0.96	0.10	41,41,41,41	0
57	MG	1A	3811	1/1	0.96	0.09	11,11,11,11	0
57	MG	2A	3569	1/1	0.96	0.07	36,36,36,36	0
57	MG	2D	301	1/1	0.96	0.08	34,34,34,34	0
57	MG	2D	303	1/1	0.96	0.20	46,46,46,46	0
57	MG	1A	3313	1/1	0.96	0.16	44,44,44,44	0
57	MG	2A	3311	1/1	0.96	0.08	36,36,36,36	0
57	MG	1A	3257	1/1	0.96	0.11	26,26,26,26	0
57	MG	1P	203	1/1	0.96	0.18	33,33,33,33	0
57	MG	2A	3098	1/1	0.96	0.12	20,20,20,20	0
57	MG	1A	3074	1/1	0.96	0.08	26,26,26,26	0
57	MG	1Q	204	1/1	0.96	0.05	35,35,35,35	0
57	MG	1A	3458	1/1	0.96	0.06	30,30,30,30	0
57	MG	2E	304	1/1	0.96	0.10	37,37,37,37	0
57	MG	1A	3972	1/1	0.96	0.08	41,41,41,41	0
57	MG	1A	3678	1/1	0.96	0.08	23,23,23,23	0
57	MG	2A	3105	1/1	0.96	0.20	43,43,43,43	0
57	MG	1R	203	1/1	0.96	0.18	28,28,28,28	0
57	MG	2A	3107	1/1	0.96	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
57	MG	1a	1725	1/1	0.96	0.23	55,55,55,55	0
57	MG	1A	3818	1/1	0.96	0.08	41,41,41,41	0
57	MG	1A	3262	1/1	0.96	0.17	17,17,17,17	0
57	MG	1S	201	1/1	0.96	0.12	35,35,35,35	0
57	MG	1A	3381	1/1	0.96	0.29	35,35,35,35	0
57	MG	1A	3383	1/1	0.96	0.08	29,29,29,29	0
57	MG	2O	202	1/1	0.96	0.21	49,49,49,49	0
57	MG	1T	201	1/1	0.96	0.06	49,49,49,49	0
57	MG	1A	3462	1/1	0.96	0.15	38,38,38,38	0
57	MG	1U	204	1/1	0.96	0.08	23,23,23,23	0
57	MG	2A	3119	1/1	0.96	0.07	48,48,48,48	0
57	MG	1A	3264	1/1	0.96	0.48	31,31,31,31	0
57	MG	1U	207	1/1	0.96	0.51	27,27,27,27	0
57	MG	1A	3825	1/1	0.96	0.10	28,28,28,28	0
57	MG	2R	201	1/1	0.96	0.12	45,45,45,45	0
57	MG	1A	3385	1/1	0.96	0.17	38,38,38,38	0
57	MG	1a	1738	1/1	0.96	0.10	44,44,44,44	0
57	MG	2A	3603	1/1	0.96	0.09	55,55,55,55	0
57	MG	1a	1739	1/1	0.96	0.07	29,29,29,29	0
57	MG	1A	3047	1/1	0.96	0.21	26,26,26,26	0
57	MG	2A	3128	1/1	0.96	0.05	34,34,34,34	0
57	MG	2U	201	1/1	0.96	0.10	45,45,45,45	0
57	MG	1A	3692	1/1	0.96	0.11	17,17,17,17	0
57	MG	1A	3031	1/1	0.96	0.18	28,28,28,28	0
57	MG	1W	204	1/1	0.96	0.06	32,32,32,32	0
57	MG	1A	3116	1/1	0.96	0.12	24,24,24,24	0
57	MG	2A	3611	1/1	0.96	0.11	42,42,42,42	0
57	MG	2A	3136	1/1	0.96	0.15	29,29,29,29	0
57	MG	1a	1748	1/1	0.96	0.09	39,39,39,39	0
57	MG	1W	208	1/1	0.96	0.05	21,21,21,21	0
57	MG	2A	3139	1/1	0.96	0.17	53,53,53,53	0
57	MG	2A	3140	1/1	0.96	0.18	45,45,45,45	0
57	MG	1A	3122	1/1	0.96	0.11	42,42,42,42	0
57	MG	1A	3213	1/1	0.96	0.07	23,23,23,23	0
57	MG	1X	104	1/1	0.96	0.11	35,35,35,35	0
57	MG	2A	3624	1/1	0.96	0.08	26,26,26,26	0
57	MG	1A	3324	1/1	0.96	0.10	36,36,36,36	0
57	MG	1A	3703	1/1	0.96	0.10	38,38,38,38	0
57	MG	2A	3628	1/1	0.96	0.10	37,37,37,37	0
57	MG	2A	3357	1/1	0.96	0.15	53,53,53,53	0
57	MG	1Y	203	1/1	0.96	0.13	38,38,38,38	0
57	MG	1a	1757	1/1	0.96	0.10	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	28	103	1/1	0.96	0.20	40,40,40,40	0
57	MG	1A	3994	1/1	0.96	0.09	12,12,12,12	0
57	MG	1A	3078	1/1	0.96	0.11	29,29,29,29	0
57	MG	2A	3634	1/1	0.96	0.13	33,33,33,33	0
57	MG	2A	3152	1/1	0.96	0.08	49,49,49,49	0
57	MG	2A	3153	1/1	0.96	0.14	42,42,42,42	0
57	MG	2A	3637	1/1	0.96	0.15	37,37,37,37	0
57	MG	2A	3154	1/1	0.96	0.11	49,49,49,49	0
57	MG	2A	3641	1/1	0.96	0.21	45,45,45,45	0
57	MG	1A	3838	1/1	0.96	0.06	16,16,16,16	0
57	MG	2A	3643	1/1	0.96	0.18	45,45,45,45	0
57	MG	1A	3219	1/1	0.96	0.22	23,23,23,23	0
57	MG	2A	3645	1/1	0.96	0.15	41,41,41,41	0
57	MG	10	104	1/1	0.96	0.36	34,34,34,34	0
57	MG	1A	3574	1/1	0.96	0.09	39,39,39,39	0
57	MG	1A	3576	1/1	0.96	0.09	35,35,35,35	0
57	MG	1A	4001	1/1	0.96	0.07	14,14,14,14	0
57	MG	11	102	1/1	0.96	0.16	40,40,40,40	0
57	MG	11	103	1/1	0.96	0.06	23,23,23,23	0
57	MG	1A	3220	1/1	0.96	0.41	24,24,24,24	0
57	MG	1A	3128	1/1	0.96	0.09	29,29,29,29	0
57	MG	1A	3396	1/1	0.96	0.28	34,34,34,34	0
57	MG	2A	3166	1/1	0.96	0.05	44,44,44,44	0
57	MG	2A	3656	1/1	0.96	0.06	25,25,25,25	0
57	MG	2A	3167	1/1	0.96	0.15	30,30,30,30	0
57	MG	1A	3398	1/1	0.96	0.11	33,33,33,33	0
57	MG	15	104	1/1	0.96	0.14	28,28,28,28	0
57	MG	1A	3022	1/1	0.96	0.11	33,33,33,33	0
57	MG	2A	3171	1/1	0.96	0.14	39,39,39,39	0
57	MG	1A	3853	1/1	0.96	0.08	28,28,28,28	0
57	MG	2A	3384	1/1	0.96	0.21	32,32,32,32	0
57	MG	1A	3400	1/1	0.96	0.20	31,31,31,31	0
57	MG	2a	1634	1/1	0.96	0.13	48,48,48,48	0
57	MG	1A	3331	1/1	0.96	0.10	46,46,46,46	0
57	MG	1A	4012	1/1	0.96	0.11	39,39,39,39	0
57	MG	1A	3483	1/1	0.96	0.13	27,27,27,27	0
57	MG	2a	1638	1/1	0.96	0.14	40,40,40,40	0
57	MG	2A	3389	1/1	0.96	0.22	38,38,38,38	0
57	MG	1A	3223	1/1	0.96	0.28	32,32,32,32	0
57	MG	2A	3391	1/1	0.96	0.11	30,30,30,30	0
57	MG	2a	1642	1/1	0.96	0.18	45,45,45,45	0
57	MG	2A	3671	1/1	0.96	0.10	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3392	1/1	0.96	0.06	36,36,36,36	0
57	MG	2a	1645	1/1	0.96	0.17	27,27,27,27	0
57	MG	2A	3180	1/1	0.96	0.11	52,52,52,52	0
57	MG	1A	3594	1/1	0.96	0.05	11,11,11,11	0
57	MG	2A	3395	1/1	0.96	0.13	35,35,35,35	0
57	MG	2a	1649	1/1	0.96	0.14	54,54,54,54	0
57	MG	1A	3280	1/1	0.96	0.14	33,33,33,33	0
57	MG	1A	3724	1/1	0.96	0.10	17,17,17,17	0
57	MG	1A	3486	1/1	0.96	0.19	32,32,32,32	0
57	MG	1A	3727	1/1	0.96	0.10	15,15,15,15	0
57	MG	1a	1606	1/1	0.96	0.19	59,59,59,59	0
57	MG	2A	3402	1/1	0.96	0.15	41,41,41,41	0
57	MG	2A	3683	1/1	0.96	0.09	45,45,45,45	0
57	MG	2A	3403	1/1	0.96	0.21	39,39,39,39	0
57	MG	1A	3599	1/1	0.96	0.06	13,13,13,13	0
57	MG	1A	3487	1/1	0.96	0.14	41,41,41,41	0
57	MG	1A	3405	1/1	0.96	0.05	37,37,37,37	0
57	MG	2a	1664	1/1	0.96	0.21	53,53,53,53	0
57	MG	1a	1610	1/1	0.96	0.14	55,55,55,55	0
57	MG	1a	1790	1/1	0.96	0.05	40,40,40,40	0
57	MG	1A	3050	1/1	0.96	0.13	52,52,52,52	0
57	MG	1A	3407	1/1	0.96	0.12	32,32,32,32	0
57	MG	1A	3337	1/1	0.96	0.12	40,40,40,40	0
57	MG	2A	3694	1/1	0.96	0.09	37,37,37,37	0
57	MG	2A	3414	1/1	0.96	0.18	32,32,32,32	0
57	MG	2A	3697	1/1	0.96	0.15	43,43,43,43	0
57	MG	1A	3734	1/1	0.96	0.10	12,12,12,12	0
57	MG	1A	4031	1/1	0.96	0.08	35,35,35,35	0
57	MG	1A	3879	1/1	0.96	0.07	41,41,41,41	0
57	MG	1A	4033	1/1	0.96	0.05	39,39,39,39	0
57	MG	2A	3702	1/1	0.96	0.06	35,35,35,35	0
57	MG	1A	3228	1/1	0.96	0.13	23,23,23,23	0
57	MG	1A	3410	1/1	0.96	0.12	44,44,44,44	0
57	MG	1A	3883	1/1	0.96	0.08	35,35,35,35	0
57	MG	1A	3284	1/1	0.96	0.07	24,24,24,24	0
57	MG	1A	3740	1/1	0.96	0.07	22,22,22,22	0
57	MG	1A	3611	1/1	0.96	0.07	24,24,24,24	0
57	MG	2A	3426	1/1	0.96	0.06	51,51,51,51	0
57	MG	1A	3497	1/1	0.96	0.10	53,53,53,53	0
57	MG	1A	3413	1/1	0.96	0.09	35,35,35,35	0
57	MG	2A	3208	1/1	0.96	0.06	48,48,48,48	0
57	MG	1A	3614	1/1	0.96	0.07	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3210	1/1	0.96	0.16	57,57,57,57	0
57	MG	2a	1691	1/1	0.96	0.07	49,49,49,49	0
57	MG	2A	3434	1/1	0.96	0.06	48,48,48,48	0
57	MG	1a	1630	1/1	0.96	0.28	56,56,56,56	0
57	MG	1A	3229	1/1	0.96	0.16	27,27,27,27	0
57	MG	1A	3748	1/1	0.96	0.06	31,31,31,31	0
57	MG	2A	3721	1/1	0.96	0.09	62,62,62,62	0
57	MG	1k	201	1/1	0.96	0.11	42,42,42,42	0
57	MG	1A	3098	1/1	0.96	0.16	27,27,27,27	0
57	MG	1A	3752	1/1	0.96	0.12	42,42,42,42	0
57	MG	2A	3443	1/1	0.96	0.14	30,30,30,30	0
57	MG	2A	3444	1/1	0.96	0.10	56,56,56,56	0
57	MG	1A	3902	1/1	0.96	0.13	49,49,49,49	0
57	MG	1B	203	1/1	0.96	0.11	42,42,42,42	0
57	MG	2a	1705	1/1	0.96	0.06	35,35,35,35	0
57	MG	1A	3506	1/1	0.96	0.20	23,23,23,23	0
57	MG	2a	1707	1/1	0.96	0.19	30,30,30,30	0
57	MG	1A	3099	1/1	0.96	0.11	33,33,33,33	0
57	MG	1A	3100	1/1	0.96	0.10	27,27,27,27	0
57	MG	2A	3450	1/1	0.96	0.08	56,56,56,56	0
57	MG	1v	102	1/1	0.96	0.09	44,44,44,44	0
57	MG	1A	3906	1/1	0.96	0.10	36,36,36,36	0
57	MG	2A	3736	1/1	0.96	0.11	55,55,55,55	0
57	MG	2A	3453	1/1	0.96	0.06	34,34,34,34	0
57	MG	1a	1643	1/1	0.96	0.30	50,50,50,50	0
57	MG	2A	3455	1/1	0.96	0.12	35,35,35,35	0
57	MG	2A	3456	1/1	0.96	0.18	55,55,55,55	0
57	MG	1A	3101	1/1	0.96	0.09	19,19,19,19	0
57	MG	2A	3742	1/1	0.96	0.12	28,28,28,28	0
57	MG	1A	3237	1/1	0.96	0.26	26,26,26,26	0
57	MG	1A	3102	1/1	0.96	0.27	31,31,31,31	0
57	MG	2a	1727	1/1	0.96	0.16	73,73,73,73	0
57	MG	2A	3229	1/1	0.96	0.12	55,55,55,55	0
57	MG	1A	3910	1/1	0.96	0.05	42,42,42,42	0
57	MG	1B	214	1/1	0.96	0.14	48,48,48,48	0
57	MG	2a	1731	1/1	0.96	0.17	54,54,54,54	0
57	MG	1a	1649	1/1	0.96	0.15	38,38,38,38	0
57	MG	1B	215	1/1	0.96	0.10	45,45,45,45	0
57	MG	1x	111	1/1	0.96	0.15	48,48,48,48	0
57	MG	1B	217	1/1	0.96	0.08	46,46,46,46	0
57	MG	2A	3468	1/1	0.96	0.09	48,48,48,48	0
57	MG	1B	218	1/1	0.96	0.06	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3004	1/1	0.96	0.23	45,45,45,45	0
57	MG	1a	1653	1/1	0.96	0.06	42,42,42,42	0
57	MG	1A	3911	1/1	0.96	0.09	12,12,12,12	0
57	MG	1B	220	1/1	0.96	0.11	30,30,30,30	0
57	MG	2a	1744	1/1	0.96	0.24	54,54,54,54	0
57	MG	1A	3762	1/1	0.96	0.11	38,38,38,38	0
57	MG	2A	3476	1/1	0.96	0.10	41,41,41,41	0
57	MG	1a	1657	1/1	0.96	0.14	53,53,53,53	0
57	MG	2A	3479	1/1	0.96	0.16	55,55,55,55	0
57	MG	2A	3480	1/1	0.96	0.06	40,40,40,40	0
57	MG	2A	3011	1/1	0.96	0.07	31,31,31,31	0
57	MG	2A	3244	1/1	0.96	0.14	49,49,49,49	0
57	MG	2A	3769	1/1	0.96	0.15	36,36,36,36	0
57	MG	2A	3245	1/1	0.96	0.08	52,52,52,52	0
57	MG	2a	1756	1/1	0.96	0.17	45,45,45,45	0
57	MG	2A	3771	1/1	0.96	0.06	32,32,32,32	0
57	MG	1A	3146	1/1	0.96	0.18	31,31,31,31	0
57	MG	1A	3514	1/1	0.96	0.07	23,23,23,23	0
57	MG	1A	3008	1/1	0.96	0.06	13,13,13,13	0
57	MG	2A	3776	1/1	0.96	0.14	59,59,59,59	0
57	MG	2A	3489	1/1	0.96	0.11	50,50,50,50	0
57	MG	2a	1763	1/1	0.96	0.16	45,45,45,45	0
57	MG	2A	3490	1/1	0.96	0.17	39,39,39,39	0
57	MG	1A	3918	1/1	0.96	0.12	45,45,45,45	0
57	MG	2A	3492	1/1	0.96	0.14	49,49,49,49	0
57	MG	1A	3184	1/1	0.96	0.23	31,31,31,31	0
57	MG	1A	3637	1/1	0.96	0.06	13,13,13,13	0
57	MG	1A	3353	1/1	0.96	0.25	39,39,39,39	0
57	MG	1A	3773	1/1	0.96	0.16	24,24,24,24	0
57	MG	1A	3524	1/1	0.96	0.24	28,28,28,28	0
57	MG	1A	3776	1/1	0.96	0.07	34,34,34,34	0
57	MG	2A	3792	1/1	0.96	0.17	46,46,46,46	0
57	MG	2A	3500	1/1	0.96	0.09	35,35,35,35	0
57	MG	1A	3777	1/1	0.96	0.12	36,36,36,36	0
57	MG	2A	3257	1/1	0.96	0.10	52,52,52,52	0
57	MG	1A	3354	1/1	0.96	0.08	36,36,36,36	0
57	MG	1A	3928	1/1	0.96	0.07	34,34,34,34	0
57	MG	1A	3779	1/1	0.96	0.04	20,20,20,20	0
57	MG	1A	3930	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3643	1/1	0.96	0.07	46,46,46,46	0
57	MG	1A	3242	1/1	0.96	0.09	17,17,17,17	0
57	MG	1A	3356	1/1	0.96	0.24	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3804	1/1	0.96	0.07	38,38,38,38	0
57	MG	1A	3646	1/1	0.96	0.05	16,16,16,16	0
57	MG	2A	3806	1/1	0.96	0.23	37,37,37,37	0
57	MG	2v	102	1/1	0.96	0.13	49,49,49,49	0
57	MG	1D	305	1/1	0.96	0.07	31,31,31,31	0
57	MG	1A	3243	1/1	0.96	0.06	27,27,27,27	0
57	MG	1A	3064	1/1	0.96	0.08	37,37,37,37	0
57	MG	2A	3515	1/1	0.96	0.07	20,20,20,20	0
57	MG	1A	3192	1/1	0.96	0.19	31,31,31,31	0
57	MG	1E	301	1/1	0.96	0.14	33,33,33,33	0
57	MG	1E	302	1/1	0.96	0.22	31,31,31,31	0
57	MG	1A	3193	1/1	0.96	0.05	28,28,28,28	0
59	ZN	14	501	1/1	0.96	0.06	92,92,92,92	0
59	ZN	24	501	1/1	0.96	0.07	103,103,103,103	0
57	MG	1A	3021	1/1	0.97	0.05	20,20,20,20	0
57	MG	1F	305	1/1	0.97	0.05	31,31,31,31	0
57	MG	1F	307	1/1	0.97	0.06	17,17,17,17	0
57	MG	1A	3694	1/1	0.97	0.05	53,53,53,53	0
57	MG	1A	3196	1/1	0.97	0.15	30,30,30,30	0
57	MG	2A	3405	1/1	0.97	0.09	37,37,37,37	0
57	MG	1A	3140	1/1	0.97	0.16	23,23,23,23	0
57	MG	2A	3638	1/1	0.97	0.06	35,35,35,35	0
57	MG	2A	3639	1/1	0.97	0.07	42,42,42,42	0
57	MG	1A	3141	1/1	0.97	0.20	19,19,19,19	0
57	MG	1A	3142	1/1	0.97	0.06	25,25,25,25	0
57	MG	2F	307	1/1	0.97	0.22	42,42,42,42	0
57	MG	2A	3012	1/1	0.97	0.04	29,29,29,29	0
57	MG	1A	3259	1/1	0.97	0.09	37,37,37,37	0
57	MG	2A	3215	1/1	0.97	0.10	36,36,36,36	0
57	MG	2A	3014	1/1	0.97	0.12	33,33,33,33	0
57	MG	2A	3015	1/1	0.97	0.20	32,32,32,32	0
57	MG	1A	3260	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3581	1/1	0.97	0.15	16,16,16,16	0
57	MG	1A	3582	1/1	0.97	0.05	28,28,28,28	0
57	MG	1A	3261	1/1	0.97	0.12	29,29,29,29	0
57	MG	2A	3021	1/1	0.97	0.18	30,30,30,30	0
57	MG	1N	201	1/1	0.97	0.23	33,33,33,33	0
57	MG	1A	3052	1/1	0.97	0.13	29,29,29,29	0
57	MG	1N	203	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	3585	1/1	0.97	0.06	21,21,21,21	0
57	MG	1A	3332	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3333	1/1	0.97	0.07	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1O	202	1/1	0.97	0.10	42,42,42,42	0
57	MG	1A	3711	1/1	0.97	0.12	32,32,32,32	0
57	MG	1A	3590	1/1	0.97	0.06	12,12,12,12	0
57	MG	1A	3714	1/1	0.97	0.04	27,27,27,27	0
57	MG	1A	3263	1/1	0.97	0.12	19,19,19,19	0
57	MG	2A	3034	1/1	0.97	0.10	44,44,44,44	0
57	MG	1Q	201	1/1	0.97	0.16	26,26,26,26	0
57	MG	2A	3436	1/1	0.97	0.07	39,39,39,39	0
57	MG	2A	3036	1/1	0.97	0.14	32,32,32,32	0
57	MG	1A	3843	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	3844	1/1	0.97	0.14	10,10,10,10	0
57	MG	1A	3201	1/1	0.97	0.08	30,30,30,30	0
57	MG	1Q	206	1/1	0.97	0.05	37,37,37,37	0
57	MG	2A	3041	1/1	0.97	0.21	39,39,39,39	0
57	MG	1A	3490	1/1	0.97	0.10	15,15,15,15	0
57	MG	1A	3103	1/1	0.97	0.14	24,24,24,24	0
57	MG	1A	3411	1/1	0.97	0.06	44,44,44,44	0
57	MG	25	104	1/1	0.97	0.16	39,39,39,39	0
57	MG	1R	205	1/1	0.97	0.17	35,35,35,35	0
57	MG	2A	3046	1/1	0.97	0.16	42,42,42,42	0
57	MG	2A	3047	1/1	0.97	0.17	52,52,52,52	0
57	MG	1A	3596	1/1	0.97	0.05	10,10,10,10	0
57	MG	2A	3679	1/1	0.97	0.10	19,19,19,19	0
57	MG	1A	3081	1/1	0.97	0.20	33,33,33,33	0
57	MG	1A	3852	1/1	0.97	0.06	36,36,36,36	0
57	MG	1A	3149	1/1	0.97	0.34	39,39,39,39	0
57	MG	1A	3269	1/1	0.97	0.07	37,37,37,37	0
57	MG	1A	3496	1/1	0.97	0.11	42,42,42,42	0
57	MG	2A	3685	1/1	0.97	0.06	58,58,58,58	0
57	MG	1A	3207	1/1	0.97	0.08	32,32,32,32	0
57	MG	1a	1707	1/1	0.97	0.09	34,34,34,34	0
57	MG	1A	3150	1/1	0.97	0.05	21,21,21,21	0
57	MG	1A	3859	1/1	0.97	0.12	45,45,45,45	0
57	MG	1a	1710	1/1	0.97	0.21	33,33,33,33	0
57	MG	1A	3209	1/1	0.97	0.09	44,44,44,44	0
57	MG	1U	208	1/1	0.97	0.18	29,29,29,29	0
57	MG	1A	3862	1/1	0.97	0.06	30,30,30,30	0
57	MG	1a	1714	1/1	0.97	0.18	43,43,43,43	0
57	MG	2A	3064	1/1	0.97	0.21	41,41,41,41	0
57	MG	1A	3500	1/1	0.97	0.06	48,48,48,48	0
57	MG	1A	3864	1/1	0.97	0.09	58,58,58,58	0
57	MG	1V	205	1/1	0.97	0.06	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1V	206	1/1	0.97	0.05	43,43,43,43	0
57	MG	1A	3501	1/1	0.97	0.30	28,28,28,28	0
57	MG	2A	3071	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3210	1/1	0.97	0.17	33,33,33,33	0
57	MG	2A	3474	1/1	0.97	0.23	45,45,45,45	0
57	MG	2A	3073	1/1	0.97	0.22	39,39,39,39	0
57	MG	1A	4010	1/1	0.97	0.04	32,32,32,32	0
57	MG	2A	3075	1/1	0.97	0.09	23,23,23,23	0
57	MG	1A	3503	1/1	0.97	0.11	38,38,38,38	0
57	MG	1A	3504	1/1	0.97	0.16	13,13,13,13	0
57	MG	2A	3711	1/1	0.97	0.06	35,35,35,35	0
57	MG	2A	3078	1/1	0.97	0.24	43,43,43,43	0
57	MG	1A	3419	1/1	0.97	0.12	30,30,30,30	0
57	MG	1A	3737	1/1	0.97	0.05	29,29,29,29	0
57	MG	1X	102	1/1	0.97	0.07	33,33,33,33	0
57	MG	2A	3485	1/1	0.97	0.25	45,45,45,45	0
57	MG	1A	3009	1/1	0.97	0.05	17,17,17,17	0
57	MG	2A	3083	1/1	0.97	0.05	42,42,42,42	0
57	MG	2A	3488	1/1	0.97	0.12	36,36,36,36	0
57	MG	1X	105	1/1	0.97	0.09	42,42,42,42	0
57	MG	1A	3422	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	3741	1/1	0.97	0.08	34,34,34,34	0
57	MG	1A	3742	1/1	0.97	0.06	37,37,37,37	0
57	MG	1A	3878	1/1	0.97	0.16	50,50,50,50	0
57	MG	1A	3038	1/1	0.97	0.05	21,21,21,21	0
57	MG	2A	3090	1/1	0.97	0.29	35,35,35,35	0
57	MG	10	101	1/1	0.97	0.04	27,27,27,27	0
57	MG	1A	3618	1/1	0.97	0.05	50,50,50,50	0
57	MG	2A	3095	1/1	0.97	0.12	49,49,49,49	0
57	MG	2A	3292	1/1	0.97	0.05	50,50,50,50	0
57	MG	1A	3154	1/1	0.97	0.20	23,23,23,23	0
57	MG	1A	3214	1/1	0.97	0.10	40,40,40,40	0
57	MG	2a	1652	1/1	0.97	0.14	41,41,41,41	0
57	MG	1A	3156	1/1	0.97	0.17	23,23,23,23	0
57	MG	1A	3885	1/1	0.97	0.05	27,27,27,27	0
57	MG	2a	1655	1/1	0.97	0.09	65,65,65,65	0
57	MG	1A	3886	1/1	0.97	0.06	26,26,26,26	0
57	MG	1a	1741	1/1	0.97	0.07	33,33,33,33	0
57	MG	10	108	1/1	0.97	0.12	35,35,35,35	0
57	MG	1A	3887	1/1	0.97	0.05	9,9,9,9	0
57	MG	1A	3217	1/1	0.97	0.24	33,33,33,33	0
57	MG	2a	1661	1/1	0.97	0.32	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1a	1745	1/1	0.97	0.08	31,31,31,31	0
57	MG	1A	3041	1/1	0.97	0.06	25,25,25,25	0
57	MG	1A	3002	1/1	0.97	0.05	33,33,33,33	0
57	MG	13	101	1/1	0.97	0.23	28,28,28,28	0
57	MG	13	102	1/1	0.97	0.10	34,34,34,34	0
57	MG	2A	3516	1/1	0.97	0.12	41,41,41,41	0
57	MG	1A	3753	1/1	0.97	0.06	42,42,42,42	0
57	MG	1A	3895	1/1	0.97	0.10	40,40,40,40	0
57	MG	2A	3519	1/1	0.97	0.08	25,25,25,25	0
57	MG	15	101	1/1	0.97	0.30	25,25,25,25	0
57	MG	2a	1672	1/1	0.97	0.22	43,43,43,43	0
57	MG	2A	3752	1/1	0.97	0.13	32,32,32,32	0
57	MG	2A	3115	1/1	0.97	0.12	30,30,30,30	0
57	MG	15	102	1/1	0.97	0.23	22,22,22,22	0
57	MG	1A	3518	1/1	0.97	0.22	33,33,33,33	0
57	MG	1a	1756	1/1	0.97	0.10	52,52,52,52	0
57	MG	1A	3519	1/1	0.97	0.07	21,21,21,21	0
57	MG	2A	3758	1/1	0.97	0.06	22,22,22,22	0
57	MG	1A	3520	1/1	0.97	0.12	33,33,33,33	0
57	MG	1A	3632	1/1	0.97	0.07	18,18,18,18	0
57	MG	1A	4041	1/1	0.97	0.10	41,41,41,41	0
57	MG	2A	3529	1/1	0.97	0.12	32,32,32,32	0
57	MG	17	102	1/1	0.97	0.06	18,18,18,18	0
57	MG	1A	3759	1/1	0.97	0.09	34,34,34,34	0
57	MG	2A	3765	1/1	0.97	0.07	38,38,38,38	0
57	MG	17	104	1/1	0.97	0.06	31,31,31,31	0
57	MG	2A	3126	1/1	0.97	0.06	41,41,41,41	0
57	MG	2A	3322	1/1	0.97	0.31	40,40,40,40	0
57	MG	2A	3535	1/1	0.97	0.09	29,29,29,29	0
57	MG	1A	3044	1/1	0.97	0.09	25,25,25,25	0
57	MG	1A	3115	1/1	0.97	0.19	35,35,35,35	0
57	MG	1A	3525	1/1	0.97	0.09	28,28,28,28	0
57	MG	2A	3539	1/1	0.97	0.08	29,29,29,29	0
57	MG	2A	3540	1/1	0.97	0.08	20,20,20,20	0
57	MG	1A	3763	1/1	0.97	0.06	15,15,15,15	0
57	MG	2A	3543	1/1	0.97	0.12	25,25,25,25	0
57	MG	2A	3544	1/1	0.97	0.19	32,32,32,32	0
57	MG	2A	3132	1/1	0.97	0.12	40,40,40,40	0
57	MG	1A	3639	1/1	0.97	0.05	12,12,12,12	0
57	MG	1A	3288	1/1	0.97	0.07	20,20,20,20	0
57	MG	2A	3782	1/1	0.97	0.07	30,30,30,30	0
57	MG	2A	3783	1/1	0.97	0.07	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3135	1/1	0.97	0.19	45,45,45,45	0
57	MG	1A	3045	1/1	0.97	0.10	27,27,27,27	0
57	MG	2A	3786	1/1	0.97	0.05	42,42,42,42	0
57	MG	2a	1708	1/1	0.97	0.16	48,48,48,48	0
57	MG	1A	3530	1/1	0.97	0.06	32,32,32,32	0
57	MG	1B	205	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3770	1/1	0.97	0.06	37,37,37,37	0
57	MG	2a	1713	1/1	0.97	0.20	43,43,43,43	0
57	MG	1A	3117	1/1	0.97	0.17	31,31,31,31	0
57	MG	1A	3225	1/1	0.97	0.12	21,21,21,21	0
57	MG	2a	1716	1/1	0.97	0.11	45,45,45,45	0
57	MG	1A	3913	1/1	0.97	0.05	31,31,31,31	0
57	MG	1A	3439	1/1	0.97	0.08	41,41,41,41	0
57	MG	1A	3774	1/1	0.97	0.05	44,44,44,44	0
57	MG	1A	3227	1/1	0.97	0.12	27,27,27,27	0
57	MG	2a	1721	1/1	0.97	0.12	42,42,42,42	0
57	MG	1A	3363	1/1	0.97	0.18	29,29,29,29	0
57	MG	1A	3919	1/1	0.97	0.07	46,46,46,46	0
57	MG	1B	216	1/1	0.97	0.04	30,30,30,30	0
57	MG	2A	3149	1/1	0.97	0.15	34,34,34,34	0
57	MG	1A	3650	1/1	0.97	0.05	20,20,20,20	0
57	MG	1A	3119	1/1	0.97	0.34	31,31,31,31	0
57	MG	2A	3567	1/1	0.97	0.06	26,26,26,26	0
57	MG	1A	3120	1/1	0.97	0.25	23,23,23,23	0
57	MG	1A	3232	1/1	0.97	0.15	27,27,27,27	0
57	MG	1a	1622	1/1	0.97	0.06	45,45,45,45	0
57	MG	2A	3350	1/1	0.97	0.05	32,32,32,32	0
57	MG	1A	3015	1/1	0.97	0.27	23,23,23,23	0
57	MG	1A	3123	1/1	0.97	0.09	29,29,29,29	0
57	MG	2A	3813	1/1	0.97	0.06	22,22,22,22	0
57	MG	1a	1625	1/1	0.97	0.16	40,40,40,40	0
57	MG	2a	1737	1/1	0.97	0.07	32,32,32,32	0
57	MG	2A	3815	1/1	0.97	0.05	53,53,53,53	0
57	MG	2a	1739	1/1	0.97	0.12	41,41,41,41	0
57	MG	1a	1791	1/1	0.97	0.19	40,40,40,40	0
57	MG	1A	3299	1/1	0.97	0.07	22,22,22,22	0
57	MG	2A	3578	1/1	0.97	0.10	38,38,38,38	0
57	MG	1A	3168	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	3173	1/1	0.97	0.06	8,8,8,8	0
57	MG	2A	3821	1/1	0.97	0.07	54,54,54,54	0
57	MG	2a	1746	1/1	0.97	0.21	44,44,44,44	0
57	MG	2A	3823	1/1	0.97	0.04	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3581	1/1	0.97	0.07	46,46,46,46	0
57	MG	1a	1629	1/1	0.97	0.12	53,53,53,53	0
57	MG	1A	3066	1/1	0.97	0.05	8,8,8,8	0
57	MG	1A	3787	1/1	0.97	0.14	42,42,42,42	0
57	MG	1A	3374	1/1	0.97	0.09	37,37,37,37	0
57	MG	1A	3125	1/1	0.97	0.08	27,27,27,27	0
57	MG	2a	1754	1/1	0.97	0.16	44,44,44,44	0
57	MG	1A	3126	1/1	0.97	0.10	27,27,27,27	0
57	MG	1A	3067	1/1	0.97	0.09	27,27,27,27	0
57	MG	1A	3666	1/1	0.97	0.09	7,7,7,7	0
57	MG	1A	3936	1/1	0.97	0.07	8,8,8,8	0
57	MG	2A	3593	1/1	0.97	0.14	49,49,49,49	0
57	MG	1A	3937	1/1	0.97	0.10	19,19,19,19	0
57	MG	2A	3174	1/1	0.97	0.10	31,31,31,31	0
57	MG	1A	3026	1/1	0.97	0.06	34,34,34,34	0
57	MG	1A	3307	1/1	0.97	0.29	43,43,43,43	0
57	MG	1A	3180	1/1	0.97	0.15	29,29,29,29	0
57	MG	1A	3070	1/1	0.97	0.04	23,23,23,23	0
57	MG	1A	3244	1/1	0.97	0.06	33,33,33,33	0
57	MG	1A	3134	1/1	0.97	0.16	30,30,30,30	0
57	MG	1A	3071	1/1	0.97	0.05	23,23,23,23	0
57	MG	1D	307	1/1	0.97	0.05	26,26,26,26	0
57	MG	1A	3187	1/1	0.97	0.05	30,30,30,30	0
57	MG	1A	3946	1/1	0.97	0.05	23,23,23,23	0
57	MG	2A	3379	1/1	0.97	0.09	34,34,34,34	0
57	MG	1A	3559	1/1	0.97	0.12	39,39,39,39	0
57	MG	1D	313	1/1	0.97	0.07	23,23,23,23	0
57	MG	1A	3189	1/1	0.97	0.17	21,21,21,21	0
57	MG	1A	3561	1/1	0.97	0.12	26,26,26,26	0
57	MG	1A	3028	1/1	0.97	0.18	21,21,21,21	0
57	MG	2A	3612	1/1	0.97	0.11	37,37,37,37	0
57	MG	2A	3613	1/1	0.97	0.11	26,26,26,26	0
57	MG	1w	401	1/1	0.97	0.11	27,27,27,27	0
57	MG	1A	3191	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	3472	1/1	0.97	0.06	39,39,39,39	0
57	MG	1A	3004	1/1	0.97	0.11	18,18,18,18	0
57	MG	1A	3252	1/1	0.97	0.09	33,33,33,33	0
57	MG	1A	3957	1/1	0.97	0.05	11,11,11,11	0
57	MG	1A	3685	1/1	0.97	0.09	48,48,48,48	0
57	MG	1A	3320	1/1	0.97	0.07	33,33,33,33	0
57	MG	2A	3622	1/1	0.97	0.11	43,43,43,43	0
57	MG	2A	3623	1/1	0.97	0.11	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2D	302	1/1	0.97	0.18	35,35,35,35	0
57	MG	1E	312	1/1	0.97	0.07	29,29,29,29	0
57	MG	1A	3253	1/1	0.97	0.30	49,49,49,49	0
57	MG	2A	3626	1/1	0.97	0.06	33,33,33,33	0
57	MG	1x	110	1/1	0.97	0.23	36,36,36,36	0
57	MG	1F	302	1/1	0.97	0.23	26,26,26,26	0
57	MG	2A	3001	1/1	0.97	0.32	45,45,45,45	0
57	MG	1A	3691	1/1	0.97	0.04	30,30,30,30	0
59	ZN	2n	102	1/1	0.97	0.05	86,86,86,86	0
60	SF4	1d	302	8/8	0.97	0.06	61,65,77,79	0
57	MG	1A	3018	1/1	0.98	0.07	18,18,18,18	0
57	MG	1A	3080	1/1	0.98	0.17	19,19,19,19	0
57	MG	2A	3556	1/1	0.98	0.05	21,21,21,21	0
57	MG	1A	3397	1/1	0.98	0.09	28,28,28,28	0
57	MG	1A	3118	1/1	0.98	0.27	24,24,24,24	0
57	MG	1A	3032	1/1	0.98	0.06	35,35,35,35	0
57	MG	1A	3020	1/1	0.98	0.04	26,26,26,26	0
57	MG	1A	3401	1/1	0.98	0.11	29,29,29,29	0
57	MG	1A	3169	1/1	0.98	0.24	25,25,25,25	0
57	MG	1A	3279	1/1	0.98	0.06	29,29,29,29	0
57	MG	1A	3171	1/1	0.98	0.07	22,22,22,22	0
57	MG	2A	3048	1/1	0.98	0.12	25,25,25,25	0
57	MG	1A	3339	1/1	0.98	0.06	35,35,35,35	0
57	MG	2A	3568	1/1	0.98	0.06	26,26,26,26	0
57	MG	1A	3226	1/1	0.98	0.05	15,15,15,15	0
57	MG	1A	3172	1/1	0.98	0.07	15,15,15,15	0
57	MG	1A	3283	1/1	0.98	0.12	37,37,37,37	0
57	MG	2a	1621	1/1	0.98	0.08	49,49,49,49	0
57	MG	1A	4046	1/1	0.98	0.08	33,33,33,33	0
57	MG	11	101	1/1	0.98	0.28	28,28,28,28	0
57	MG	1A	3121	1/1	0.98	0.18	28,28,28,28	0
57	MG	1A	3568	1/1	0.98	0.06	30,30,30,30	0
57	MG	1A	3914	1/1	0.98	0.08	12,12,12,12	0
57	MG	11	105	1/1	0.98	0.05	41,41,41,41	0
57	MG	2A	3396	1/1	0.98	0.06	39,39,39,39	0
57	MG	1A	3035	1/1	0.98	0.24	28,28,28,28	0
57	MG	12	102	1/1	0.98	0.07	38,38,38,38	0
57	MG	2a	1631	1/1	0.98	0.28	46,46,46,46	0
57	MG	1A	3570	1/1	0.98	0.07	30,30,30,30	0
57	MG	1A	3230	1/1	0.98	0.21	25,25,25,25	0
57	MG	1A	3346	1/1	0.98	0.18	34,34,34,34	0
57	MG	1A	3231	1/1	0.98	0.15	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3084	1/1	0.98	0.15	31,31,31,31	0
57	MG	1A	3054	1/1	0.98	0.06	17,17,17,17	0
57	MG	2A	3067	1/1	0.98	0.04	21,21,21,21	0
57	MG	15	103	1/1	0.98	0.16	11,11,11,11	0
57	MG	2A	3775	1/1	0.98	0.07	60,60,60,60	0
57	MG	1A	3350	1/1	0.98	0.15	19,19,19,19	0
57	MG	1A	3578	1/1	0.98	0.07	12,12,12,12	0
57	MG	1A	3036	1/1	0.98	0.26	23,23,23,23	0
57	MG	1B	213	1/1	0.98	0.08	60,60,60,60	0
57	MG	2A	3411	1/1	0.98	0.06	28,28,28,28	0
57	MG	16	101	1/1	0.98	0.15	29,29,29,29	0
57	MG	1A	3003	1/1	0.98	0.05	14,14,14,14	0
57	MG	1A	3797	1/1	0.98	0.12	44,44,44,44	0
57	MG	1A	3798	1/1	0.98	0.04	25,25,25,25	0
57	MG	1A	3088	1/1	0.98	0.10	14,14,14,14	0
57	MG	18	101	1/1	0.98	0.17	28,28,28,28	0
57	MG	2A	3418	1/1	0.98	0.09	33,33,33,33	0
57	MG	1A	3420	1/1	0.98	0.19	28,28,28,28	0
57	MG	2A	3789	1/1	0.98	0.04	23,23,23,23	0
57	MG	1A	3057	1/1	0.98	0.05	36,36,36,36	0
57	MG	2A	3791	1/1	0.98	0.06	22,22,22,22	0
57	MG	1A	3687	1/1	0.98	0.13	45,45,45,45	0
57	MG	1a	1601	1/1	0.98	0.06	42,42,42,42	0
57	MG	1A	3688	1/1	0.98	0.04	35,35,35,35	0
57	MG	1A	3182	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3690	1/1	0.98	0.06	37,37,37,37	0
57	MG	1A	3807	1/1	0.98	0.06	9,9,9,9	0
57	MG	1A	3586	1/1	0.98	0.07	16,16,16,16	0
57	MG	1A	3013	1/1	0.98	0.21	18,18,18,18	0
57	MG	1A	3588	1/1	0.98	0.10	54,54,54,54	0
57	MG	2A	3430	1/1	0.98	0.07	35,35,35,35	0
57	MG	2A	3802	1/1	0.98	0.05	23,23,23,23	0
57	MG	1A	3357	1/1	0.98	0.28	19,19,19,19	0
57	MG	2A	3091	1/1	0.98	0.07	33,33,33,33	0
57	MG	1A	3812	1/1	0.98	0.10	15,15,15,15	0
57	MG	1A	3297	1/1	0.98	0.05	36,36,36,36	0
57	MG	2A	3094	1/1	0.98	0.13	37,37,37,37	0
57	MG	1A	3697	1/1	0.98	0.05	49,49,49,49	0
57	MG	1A	3698	1/1	0.98	0.05	37,37,37,37	0
57	MG	2A	3439	1/1	0.98	0.22	39,39,39,39	0
57	MG	1A	3133	1/1	0.98	0.08	37,37,37,37	0
57	MG	1A	3185	1/1	0.98	0.17	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3428	1/1	0.98	0.15	30,30,30,30	0
57	MG	1A	3702	1/1	0.98	0.04	41,41,41,41	0
57	MG	1A	3505	1/1	0.98	0.13	21,21,21,21	0
57	MG	1A	3091	1/1	0.98	0.14	31,31,31,31	0
57	MG	2A	3103	1/1	0.98	0.04	34,34,34,34	0
57	MG	1A	3188	1/1	0.98	0.17	26,26,26,26	0
57	MG	1A	3951	1/1	0.98	0.06	14,14,14,14	0
57	MG	1D	304	1/1	0.98	0.07	12,12,12,12	0
57	MG	2A	3822	1/1	0.98	0.05	15,15,15,15	0
57	MG	1A	3135	1/1	0.98	0.25	29,29,29,29	0
57	MG	1D	306	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3598	1/1	0.98	0.06	13,13,13,13	0
57	MG	1D	308	1/1	0.98	0.09	35,35,35,35	0
57	MG	1A	3954	1/1	0.98	0.13	37,37,37,37	0
57	MG	1A	3432	1/1	0.98	0.06	35,35,35,35	0
57	MG	1A	3039	1/1	0.98	0.10	25,25,25,25	0
57	MG	1A	3601	1/1	0.98	0.06	27,27,27,27	0
57	MG	2A	3831	1/1	0.98	0.05	34,34,34,34	0
57	MG	2a	1696	1/1	0.98	0.17	43,43,43,43	0
57	MG	1A	3830	1/1	0.98	0.16	15,15,15,15	0
57	MG	1a	1632	1/1	0.98	0.14	22,22,22,22	0
57	MG	2A	3460	1/1	0.98	0.14	32,32,32,32	0
57	MG	1a	1633	1/1	0.98	0.13	38,38,38,38	0
57	MG	1A	3040	1/1	0.98	0.23	26,26,26,26	0
57	MG	1A	3960	1/1	0.98	0.04	24,24,24,24	0
57	MG	1A	3062	1/1	0.98	0.08	25,25,25,25	0
57	MG	1E	305	1/1	0.98	0.03	21,21,21,21	0
57	MG	1A	3713	1/1	0.98	0.06	38,38,38,38	0
57	MG	1A	3096	1/1	0.98	0.06	32,32,32,32	0
57	MG	1A	3194	1/1	0.98	0.13	13,13,13,13	0
57	MG	1A	3965	1/1	0.98	0.06	35,35,35,35	0
57	MG	1A	3063	1/1	0.98	0.04	22,22,22,22	0
57	MG	1A	3309	1/1	0.98	0.12	33,33,33,33	0
57	MG	1A	3718	1/1	0.98	0.05	34,34,34,34	0
57	MG	1A	3608	1/1	0.98	0.14	14,14,14,14	0
57	MG	2A	3131	1/1	0.98	0.11	28,28,28,28	0
57	MG	1A	3609	1/1	0.98	0.08	15,15,15,15	0
57	MG	1a	1801	1/1	0.98	0.14	36,36,36,36	0
57	MG	1A	3842	1/1	0.98	0.07	44,44,44,44	0
57	MG	2A	3478	1/1	0.98	0.13	37,37,37,37	0
57	MG	1A	3721	1/1	0.98	0.05	25,25,25,25	0
57	MG	1A	3023	1/1	0.98	0.08	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1F	306	1/1	0.98	0.06	31,31,31,31	0
57	MG	1A	3065	1/1	0.98	0.10	19,19,19,19	0
57	MG	1F	308	1/1	0.98	0.15	25,25,25,25	0
57	MG	1A	3443	1/1	0.98	0.19	28,28,28,28	0
57	MG	1A	3976	1/1	0.98	0.06	28,28,28,28	0
57	MG	1F	311	1/1	0.98	0.10	26,26,26,26	0
57	MG	1A	3725	1/1	0.98	0.04	28,28,28,28	0
57	MG	1A	3522	1/1	0.98	0.23	25,25,25,25	0
57	MG	1A	3373	1/1	0.98	0.16	29,29,29,29	0
57	MG	2B	218	1/1	0.98	0.08	45,45,45,45	0
57	MG	1A	3980	1/1	0.98	0.09	29,29,29,29	0
57	MG	1m	3001	1/1	0.98	0.09	53,53,53,53	0
57	MG	1A	3981	1/1	0.98	0.05	15,15,15,15	0
57	MG	2A	3493	1/1	0.98	0.07	37,37,37,37	0
57	MG	2D	304	1/1	0.98	0.05	38,38,38,38	0
57	MG	2D	305	1/1	0.98	0.04	21,21,21,21	0
57	MG	1A	3042	1/1	0.98	0.06	26,26,26,26	0
57	MG	2A	3150	1/1	0.98	0.05	43,43,43,43	0
57	MG	1A	3616	1/1	0.98	0.04	29,29,29,29	0
57	MG	1A	3984	1/1	0.98	0.07	46,46,46,46	0
57	MG	1A	3526	1/1	0.98	0.13	25,25,25,25	0
57	MG	1v	101	1/1	0.98	0.15	55,55,55,55	0
57	MG	1A	3446	1/1	0.98	0.14	32,32,32,32	0
57	MG	1A	3619	1/1	0.98	0.07	21,21,21,21	0
57	MG	1N	204	1/1	0.98	0.23	37,37,37,37	0
57	MG	1A	3620	1/1	0.98	0.13	28,28,28,28	0
57	MG	1A	3857	1/1	0.98	0.06	31,31,31,31	0
57	MG	1A	3528	1/1	0.98	0.17	23,23,23,23	0
57	MG	2F	301	1/1	0.98	0.15	35,35,35,35	0
57	MG	1A	3014	1/1	0.98	0.10	21,21,21,21	0
57	MG	2A	3507	1/1	0.98	0.06	28,28,28,28	0
57	MG	1A	3068	1/1	0.98	0.10	7,7,7,7	0
57	MG	1A	3007	1/1	0.98	0.06	26,26,26,26	0
57	MG	1A	3010	1/1	0.98	0.08	30,30,30,30	0
57	MG	1A	3739	1/1	0.98	0.05	11,11,11,11	0
57	MG	1A	3379	1/1	0.98	0.04	24,24,24,24	0
57	MG	1A	3205	1/1	0.98	0.09	32,32,32,32	0
57	MG	1A	3628	1/1	0.98	0.09	28,28,28,28	0
57	MG	1A	3999	1/1	0.98	0.08	11,11,11,11	0
57	MG	1A	3046	1/1	0.98	0.07	15,15,15,15	0
57	MG	1A	3382	1/1	0.98	0.14	26,26,26,26	0
57	MG	1A	3631	1/1	0.98	0.04	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	2A	3173	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	3456	1/1	0.98	0.07	46,46,46,46	0
57	MG	1A	3106	1/1	0.98	0.13	21,21,21,21	0
57	MG	1A	3072	1/1	0.98	0.19	31,31,31,31	0
57	MG	2A	3009	1/1	0.98	0.05	32,32,32,32	0
57	MG	2A	3708	1/1	0.98	0.05	31,31,31,31	0
57	MG	1A	3540	1/1	0.98	0.12	18,18,18,18	0
57	MG	1A	3877	1/1	0.98	0.06	41,41,41,41	0
57	MG	1A	3751	1/1	0.98	0.08	48,48,48,48	0
57	MG	1A	3109	1/1	0.98	0.15	29,29,29,29	0
57	MG	1A	3157	1/1	0.98	0.23	22,22,22,22	0
57	MG	1A	3641	1/1	0.98	0.06	20,20,20,20	0
57	MG	1A	3882	1/1	0.98	0.06	29,29,29,29	0
57	MG	1A	3027	1/1	0.98	0.21	24,24,24,24	0
57	MG	2A	3018	1/1	0.98	0.08	36,36,36,36	0
57	MG	1U	206	1/1	0.98	0.07	24,24,24,24	0
57	MG	1A	4016	1/1	0.98	0.09	14,14,14,14	0
57	MG	1A	3111	1/1	0.98	0.22	18,18,18,18	0
57	MG	1A	3325	1/1	0.98	0.29	26,26,26,26	0
57	MG	1A	3546	1/1	0.98	0.17	16,16,16,16	0
57	MG	1A	3465	1/1	0.98	0.15	21,21,21,21	0
57	MG	1A	4021	1/1	0.98	0.07	23,23,23,23	0
57	MG	1A	3112	1/1	0.98	0.15	33,33,33,33	0
57	MG	2A	3726	1/1	0.98	0.05	34,34,34,34	0
57	MG	2A	3027	1/1	0.98	0.16	35,35,35,35	0
57	MG	2A	3542	1/1	0.98	0.09	21,21,21,21	0
57	MG	1W	201	1/1	0.98	0.23	30,30,30,30	0
57	MG	1A	3075	1/1	0.98	0.14	26,26,26,26	0
57	MG	1A	3890	1/1	0.98	0.05	18,18,18,18	0
57	MG	1A	3891	1/1	0.98	0.12	31,31,31,31	0
57	MG	1A	3017	1/1	0.98	0.08	47,47,47,47	0
57	MG	1A	3893	1/1	0.98	0.09	24,24,24,24	0
57	MG	2A	3202	1/1	0.98	0.19	41,41,41,41	0
57	MG	1A	3651	1/1	0.98	0.05	12,12,12,12	0
59	ZN	1n	103	1/1	0.98	0.04	76,76,76,76	0
59	ZN	2Y	202	1/1	0.98	0.04	83,83,83,83	0
57	MG	1A	3029	1/1	0.98	0.14	19,19,19,19	0
57	MG	1A	3218	1/1	0.98	0.20	31,31,31,31	0
57	MG	1X	103	1/1	0.98	0.08	35,35,35,35	0
60	SF4	2d	303	8/8	0.98	0.05	56,61,73,74	0
57	MG	1A	3523	1/1	0.99	0.09	21,21,21,21	0
57	MG	1A	3155	1/1	0.99	0.13	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3433	1/1	0.99	0.06	38,38,38,38	0
57	MG	1U	201	1/1	0.99	0.26	23,23,23,23	0
57	MG	1U	202	1/1	0.99	0.30	20,20,20,20	0
57	MG	1U	203	1/1	0.99	0.21	25,25,25,25	0
57	MG	1A	3079	1/1	0.99	0.09	20,20,20,20	0
57	MG	1A	3749	1/1	0.99	0.06	9,9,9,9	0
57	MG	1A	3464	1/1	0.99	0.24	18,18,18,18	0
57	MG	2A	3114	1/1	0.99	0.08	18,18,18,18	0
57	MG	1A	3667	1/1	0.99	0.07	21,21,21,21	0
57	MG	1A	3030	1/1	0.99	0.15	22,22,22,22	0
57	MG	1U	209	1/1	0.99	0.07	21,21,21,21	0
57	MG	1A	3127	1/1	0.99	0.14	22,22,22,22	0
57	MG	1V	201	1/1	0.99	0.19	17,17,17,17	0
57	MG	1a	1746	1/1	0.99	0.07	23,23,23,23	0
57	MG	1A	3901	1/1	0.99	0.04	18,18,18,18	0
57	MG	1V	203	1/1	0.99	0.15	22,22,22,22	0
57	MG	1A	3274	1/1	0.99	0.14	18,18,18,18	0
57	MG	1A	3755	1/1	0.99	0.03	11,11,11,11	0
57	MG	1A	3802	1/1	0.99	0.04	35,35,35,35	0
57	MG	1A	3107	1/1	0.99	0.06	25,25,25,25	0
57	MG	1A	3073	1/1	0.99	0.09	23,23,23,23	0
57	MG	1A	3130	1/1	0.99	0.03	25,25,25,25	0
57	MG	1A	3634	1/1	0.99	0.03	23,23,23,23	0
57	MG	1W	205	1/1	0.99	0.10	27,27,27,27	0
57	MG	1W	206	1/1	0.99	0.06	23,23,23,23	0
57	MG	1A	4009	1/1	0.99	0.07	7,7,7,7	0
57	MG	1A	3635	1/1	0.99	0.06	12,12,12,12	0
57	MG	1A	3636	1/1	0.99	0.06	12,12,12,12	0
57	MG	2A	3557	1/1	0.99	0.07	28,28,28,28	0
57	MG	1A	3204	1/1	0.99	0.07	23,23,23,23	0
57	MG	1A	4013	1/1	0.99	0.06	34,34,34,34	0
57	MG	1A	3144	1/1	0.99	0.16	17,17,17,17	0
57	MG	1A	3861	1/1	0.99	0.10	28,28,28,28	0
57	MG	1A	3764	1/1	0.99	0.05	24,24,24,24	0
57	MG	1A	3145	1/1	0.99	0.24	27,27,27,27	0
57	MG	1A	3061	1/1	0.99	0.11	27,27,27,27	0
57	MG	1A	3132	1/1	0.99	0.11	20,20,20,20	0
57	MG	1A	3186	1/1	0.99	0.14	24,24,24,24	0
57	MG	1A	3683	1/1	0.99	0.03	15,15,15,15	0
57	MG	1A	3148	1/1	0.99	0.05	23,23,23,23	0
57	MG	1A	3285	1/1	0.99	0.10	14,14,14,14	0
57	MG	1A	4024	1/1	0.99	0.04	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3819	1/1	0.99	0.08	43,43,43,43	0
57	MG	1A	3012	1/1	0.99	0.04	21,21,21,21	0
57	MG	1A	3575	1/1	0.99	0.04	24,24,24,24	0
57	MG	1A	3450	1/1	0.99	0.15	25,25,25,25	0
57	MG	1A	3648	1/1	0.99	0.03	16,16,16,16	0
57	MG	2A	3433	1/1	0.99	0.11	15,15,15,15	0
57	MG	1A	3019	1/1	0.99	0.17	30,30,30,30	0
57	MG	1A	3151	1/1	0.99	0.17	27,27,27,27	0
57	MG	1A	3170	1/1	0.99	0.16	20,20,20,20	0
57	MG	1P	201	1/1	0.99	0.21	21,21,21,21	0
57	MG	1P	202	1/1	0.99	0.25	23,23,23,23	0
57	MG	1D	301	1/1	0.99	0.10	18,18,18,18	0
57	MG	1A	3580	1/1	0.99	0.09	8,8,8,8	0
57	MG	2A	3584	1/1	0.99	0.08	24,24,24,24	0
57	MG	2A	3585	1/1	0.99	0.08	29,29,29,29	0
57	MG	1Q	202	1/1	0.99	0.07	29,29,29,29	0
57	MG	2A	3811	1/1	0.99	0.10	43,43,43,43	0
57	MG	1A	3215	1/1	0.99	0.07	27,27,27,27	0
57	MG	2a	1711	1/1	0.99	0.03	49,49,49,49	0
57	MG	1A	3829	1/1	0.99	0.14	23,23,23,23	0
57	MG	1A	3093	1/1	0.99	0.17	13,13,13,13	0
57	MG	1A	3517	1/1	0.99	0.14	23,23,23,23	0
57	MG	1A	3005	1/1	0.99	0.07	28,28,28,28	0
57	MG	1R	201	1/1	0.99	0.05	36,36,36,36	0
57	MG	1A	3034	1/1	0.99	0.16	15,15,15,15	0
57	MG	1A	3658	1/1	0.99	0.06	30,30,30,30	0
59	ZN	1Y	204	1/1	0.99	0.03	55,55,55,55	0
57	MG	1R	204	1/1	0.99	0.08	25,25,25,25	0
59	ZN	15	108	1/1	0.99	0.09	44,44,44,44	0
59	ZN	16	102	1/1	0.99	0.07	42,42,42,42	0
59	ZN	19	102	1/1	0.99	0.04	31,31,31,31	0
57	MG	1D	310	1/1	0.99	0.15	13,13,13,13	0
57	MG	1A	3267	1/1	0.99	0.17	21,21,21,21	0
57	MG	1A	3788	1/1	0.99	0.05	41,41,41,41	0
59	ZN	25	107	1/1	0.99	0.05	41,41,41,41	0
59	ZN	26	102	1/1	0.99	0.03	52,52,52,52	0
59	ZN	29	501	1/1	0.99	0.04	50,50,50,50	0
57	MG	2A	3748	1/1	0.99	0.04	46,46,46,46	0
57	MG	1A	3195	1/1	0.99	0.03	29,29,29,29	0
57	MG	1A	3174	1/1	0.99	0.02	17,17,17,17	0
57	MG	1A	3868	1/1	1.00	0.04	20,20,20,20	0
57	MG	1A	3765	1/1	1.00	0.05	13,13,13,13	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
57	MG	1A	3693	1/1	1.00	0.06	9,9,9,9	0
57	MG	2A	3695	1/1	1.00	0.05	20,20,20,20	0
57	MG	1A	3839	1/1	1.00	0.02	16,16,16,16	0
57	MG	1A	3846	1/1	1.00	0.06	15,15,15,15	0
57	MG	1A	3867	1/1	1.00	0.01	12,12,12,12	0

5.5 Other polymers (i)

There are no such residues in this entry.