Full wwPDB X-ray Structure Validation Report ⓘ

Jun 12, 2025 – 11:45 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 Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

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

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

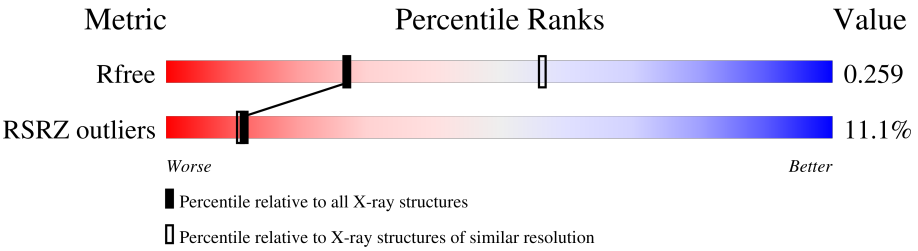
MolProbity	:	FAILED
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0rc1
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.006 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, 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 933	C 588	N 171	O 170	S 4	0	0	0

- Molecule 11 is a protein called 50S ribosomal protein L15.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	1Q	141	Total 1122	C 715	N 212	O 188	S 7	0	0	0
12	2Q	141	Total 1122	C 715	N 212	O 188	S 7	0	0	0

- Molecule 13 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	1R	118	Total 968	C 604	N 203	O 160	S 1	0	0	0
13	2R	118	Total 968	C 604	N 203	O 160	S 1	0	0	0

- Molecule 14 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total 873	C 550	N 174	O 149	0	0	0
14	2S	110	Total 870	C 549	N 173	O 148	0	0	0

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

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

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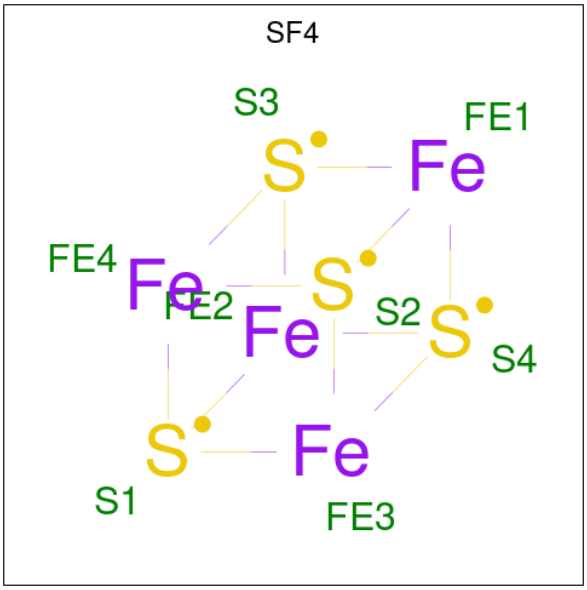
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	15	1	Total Zn 1 1	0	0
59	16	1	Total Zn 1 1	0	0
59	19	1	Total Zn 1 1	0	0
59	1n	1	Total Zn 1 1	0	0
59	2Y	1	Total Zn 1 1	0	0
59	24	1	Total Zn 1 1	0	0
59	25	1	Total Zn 1 1	0	0
59	26	1	Total Zn 1 1	0	0
59	29	1	Total Zn 1 1	0	0
59	2n	1	Total Zn 1 1	0	0

- 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

All (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
32	2a	1400	5MC	C5-C4	6.36	1.48	1.44
32	1a	1404	5MC	C5-C4	6.26	1.48	1.44
32	1a	1400	5MC	C5-C4	5.96	1.48	1.44
1	1A	1962	5MC	C5-C4	5.80	1.48	1.44
1	2A	1942	5MC	C5-C4	5.76	1.48	1.44
1	1A	1942	5MC	C5-C4	5.70	1.48	1.44
32	2a	1407	5MC	C5-C4	5.67	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	1962	5MC	C5-C4	5.47	1.48	1.44
32	1a	967	5MC	C5-C4	5.33	1.48	1.44
55	2x	8	4SU	C4-S4	-5.15	1.59	1.68
55	1x	8	4SU	C4-S4	-4.85	1.60	1.68
32	1a	966	M2G	C2-N3	4.41	1.36	1.30
32	2a	966	M2G	C2-N3	4.17	1.36	1.30
55	1x	8	4SU	C4-N3	-3.84	1.33	1.37
55	2x	39	PSU	C6-C5	3.78	1.39	1.35
55	2x	55	PSU	C6-C5	3.78	1.39	1.35
32	1a	527	G7M	C5-C4	3.76	1.46	1.39
1	1A	1911	PSU	C6-C5	3.74	1.39	1.35
55	2x	32	PSU	C6-C5	3.55	1.39	1.35
1	1A	1917	PSU	C6-C5	3.54	1.39	1.35
1	2A	1917	PSU	C6-C5	3.50	1.39	1.35
55	1x	39	PSU	C6-C5	3.45	1.39	1.35
32	2a	527	G7M	C5-C4	3.44	1.46	1.39
1	2A	1911	PSU	C6-C5	3.44	1.39	1.35
55	1x	32	PSU	C6-C5	3.41	1.39	1.35
32	1a	516	PSU	C6-C5	3.36	1.39	1.35
55	1x	55	PSU	C6-C5	3.31	1.39	1.35
1	2A	2605	PSU	C6-C5	3.23	1.38	1.35
55	2x	8	4SU	C4-N3	-3.08	1.34	1.37
32	2a	516	PSU	C6-C5	3.07	1.38	1.35
32	1a	966	M2G	C2-N2	3.02	1.40	1.35
32	2a	1404	5MC	C6-C5	2.99	1.39	1.34
32	2a	1407	5MC	C6-C5	2.99	1.39	1.34
32	1a	1404	5MC	C6-C5	2.97	1.39	1.34
55	1x	54	5MU	C6-C5	2.92	1.39	1.34
1	2A	1915	5MU	C6-C5	2.89	1.39	1.34
1	2A	1915	5MU	C2-N1	2.87	1.43	1.38
1	1A	1915	5MU	C4-N3	-2.87	1.33	1.38
1	1A	1911	PSU	C4-N3	-2.87	1.33	1.38
55	2x	8	4SU	C5-C4	-2.86	1.39	1.42
1	1A	1939	5MU	C4-N3	-2.84	1.33	1.38
55	1x	8	4SU	C5-C4	-2.83	1.39	1.42
1	1A	2605	PSU	C6-C5	2.82	1.38	1.35
1	2A	1962	5MC	C6-C5	2.82	1.39	1.34
1	1A	2552	OMU	C4-N3	-2.81	1.33	1.38
55	1x	54	5MU	C4-N3	-2.81	1.33	1.38
1	2A	1939	5MU	C4-N3	-2.81	1.33	1.38
1	1A	1942	5MC	C6-C5	2.81	1.39	1.34
1	1A	1917	PSU	C4-N3	-2.80	1.33	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	1939	5MU	C6-C5	2.80	1.39	1.34
1	2A	2605	PSU	C4-N3	-2.78	1.33	1.38
1	2A	1911	PSU	C4-N3	-2.77	1.33	1.38
32	1a	967	5MC	C6-C5	2.77	1.39	1.34
55	1x	39	PSU	C4-N3	-2.77	1.33	1.38
32	1a	1400	5MC	C6-C5	2.76	1.39	1.34
1	1A	1962	5MC	C6-C5	2.75	1.39	1.34
1	2A	1942	5MC	C6-C5	2.75	1.39	1.34
1	1A	2251	OMG	C6-N1	-2.75	1.33	1.37
1	2A	1939	5MU	C6-C5	2.74	1.39	1.34
43	2l	92	0TD	CB-CA	-2.74	1.53	1.54
32	2a	1400	5MC	C6-C5	2.74	1.39	1.34
55	2x	54	5MU	C6-C5	2.72	1.39	1.34
55	1x	37	MIA	C2-N3	2.71	1.36	1.32
1	2A	1915	5MU	C4-N3	-2.70	1.33	1.38
32	2a	966	M2G	C2-N2	2.70	1.40	1.35
1	2A	1915	5MU	C4-C5	2.68	1.49	1.44
55	1x	20	H2U	C4-N3	-2.66	1.33	1.37
55	2x	39	PSU	C4-N3	-2.65	1.33	1.38
1	1A	2605	PSU	C4-N3	-2.62	1.33	1.38
55	2x	54	5MU	C4-C5	2.62	1.49	1.44
55	2x	76	8AN	C6-C5	-2.60	1.33	1.43
32	2a	967	5MC	C6-C5	2.60	1.38	1.34
1	2A	2552	OMU	C4-N3	-2.58	1.34	1.38
55	2x	32	PSU	C4-N3	-2.58	1.34	1.38
1	2A	1917	PSU	C4-N3	-2.57	1.34	1.38
32	1a	1207	2MG	C6-N1	-2.56	1.33	1.37
32	1a	516	PSU	C4-N3	-2.56	1.34	1.38
55	1x	20	H2U	C2-N3	-2.54	1.33	1.38
55	1x	76	8AN	C6-C5	-2.54	1.33	1.43
55	2x	37	MIA	C2-N3	2.53	1.36	1.32
1	1A	1915	5MU	C6-C5	2.52	1.38	1.34
32	1a	1407	5MC	C6-C5	2.51	1.38	1.34
55	2x	55	PSU	C4-N3	-2.50	1.34	1.38
55	2x	21	H2U	C2-N3	-2.50	1.33	1.38
55	2x	54	5MU	C4-N3	-2.49	1.34	1.38
1	1A	1939	5MU	C2-N3	-2.49	1.33	1.38
1	1A	2552	OMU	C2-N3	-2.48	1.33	1.38
32	2a	527	G7M	C6-N1	-2.45	1.34	1.37
32	1a	1519	MA6	C6-C5	-2.45	1.41	1.44
55	2x	20	H2U	C2-N3	-2.45	1.33	1.38
1	1A	1962	5MC	C6-N1	-2.45	1.33	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
55	1x	8	4SU	C2-N3	-2.44	1.33	1.38
32	2a	516	PSU	C4-N3	-2.43	1.34	1.38
1	2A	1942	5MC	C6-N1	-2.43	1.33	1.38
1	2A	1939	5MU	C4-C5	2.42	1.48	1.44
32	2a	1518	MA6	C6-C5	-2.42	1.41	1.44
1	1A	1939	5MU	C6-N1	-2.41	1.33	1.38
1	2A	2251	OMG	C6-N1	-2.41	1.34	1.37
1	2A	1939	5MU	C6-N1	-2.41	1.33	1.38
1	2A	1939	5MU	C2-N3	-2.40	1.33	1.38
1	1A	2552	OMU	C5-C4	-2.39	1.38	1.43
32	2a	1498	UR3	C2-N1	2.37	1.41	1.38
32	1a	1518	MA6	C6-C5	-2.37	1.41	1.44
55	1x	32	PSU	C4-N3	-2.36	1.34	1.38
32	1a	1400	5MC	C6-N1	-2.34	1.34	1.38
32	1a	1498	UR3	C2-N1	2.33	1.41	1.38
32	2a	966	M2G	C6-N1	-2.31	1.34	1.37
32	2a	967	5MC	C6-N1	-2.31	1.34	1.38
55	2x	54	5MU	C2-N1	2.31	1.42	1.38
55	1x	55	PSU	C4-N3	-2.30	1.34	1.38
55	1x	21	H2U	C2-N3	-2.30	1.34	1.38
55	1x	76	8AN	C5-N7	-2.29	1.31	1.39
1	1A	1942	5MC	C6-N1	-2.29	1.34	1.38
32	2a	1519	MA6	C6-C5	-2.28	1.41	1.44
55	2x	8	4SU	C2-N1	2.27	1.42	1.38
32	2a	1404	5MC	C6-N1	-2.23	1.34	1.38
1	2A	1962	5MC	C6-N1	-2.22	1.34	1.38
32	1a	1407	5MC	C6-N1	-2.20	1.34	1.38
32	2a	1400	5MC	C6-N1	-2.20	1.34	1.38
32	1a	527	G7M	C6-N1	-2.20	1.34	1.37
1	2A	2552	OMU	C2-N3	-2.20	1.34	1.38
32	1a	1404	5MC	C6-N1	-2.20	1.34	1.38
55	2x	8	4SU	C2-N3	-2.19	1.34	1.38
32	2a	1207	2MG	C6-N1	-2.19	1.34	1.37
1	1A	1915	5MU	C4-C5	2.18	1.48	1.44
32	1a	967	5MC	C6-N1	-2.17	1.34	1.38
32	2a	1407	5MC	C6-N1	-2.17	1.34	1.38
55	1x	54	5MU	C2-N3	-2.17	1.34	1.38
1	1A	1939	5MU	C4-C5	2.16	1.48	1.44
1	2A	1915	5MU	C6-N1	-2.14	1.34	1.38
1	2A	1915	5MU	C2-N3	-2.14	1.34	1.38
1	1A	1917	PSU	C2-N3	-2.14	1.34	1.37
32	2a	516	PSU	O4'-C1'	-2.13	1.40	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2605	PSU	C2-N1	-2.13	1.33	1.36
1	1A	1915	5MU	C6-N1	-2.11	1.34	1.38
55	2x	76	8AN	C5-N7	-2.10	1.32	1.39
55	1x	21	H2U	C2-N1	-2.09	1.32	1.35
55	2x	21	H2U	C4-N3	-2.09	1.34	1.37
32	2a	1519	MA6	C6-N1	2.08	1.35	1.32
55	2x	54	5MU	C6-N1	-2.08	1.34	1.38
1	2A	2552	OMU	C6-C5	2.07	1.39	1.35
32	1a	1519	MA6	C6-N1	2.07	1.35	1.32
32	2a	1518	MA6	C6-N1	2.06	1.35	1.32
1	1A	1915	5MU	C2-N3	-2.06	1.34	1.38
55	1x	54	5MU	C4-C5	2.05	1.48	1.44
1	1A	2605	PSU	C2-N3	-2.04	1.34	1.37
32	2a	1498	UR3	C6-C5	2.03	1.39	1.35
55	1x	54	5MU	C6-N1	-2.02	1.34	1.38
55	2x	20	H2U	C4-N3	-2.00	1.34	1.37

All (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
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
1	1A	2503	2MA	C2-N3-C4	6.82	120.97	115.46
1	1A	2605	PSU	N1-C2-N3	6.68	122.21	115.17
55	2x	55	PSU	N1-C2-N3	6.64	122.18	115.17
32	2a	1498	UR3	C4-N3-C2	-6.59	119.28	124.58
32	1a	1498	UR3	C4-N3-C2	-6.57	119.30	124.58
1	2A	2503	2MA	C2-N3-C4	6.53	120.73	115.46
55	2x	76	8AN	N3-C2-N1	-6.45	119.92	128.67
55	2x	32	PSU	N1-C2-N3	6.43	121.95	115.17
55	1x	76	8AN	O4'-C1'-N9	-6.43	100.22	108.75
1	1A	1911	PSU	N1-C2-N3	6.41	121.93	115.17
1	2A	1917	PSU	N1-C2-N3	6.40	121.92	115.17
55	1x	76	8AN	N3-C2-N1	-6.35	120.06	128.67
55	1x	55	PSU	N1-C2-N3	6.24	121.75	115.17
32	2a	516	PSU	N1-C2-N3	6.15	121.66	115.17
55	2x	8	4SU	C5-C4-N3	6.13	120.45	114.75
1	1A	1917	PSU	N1-C2-N3	6.06	121.56	115.17
55	1x	39	PSU	N1-C2-N3	6.03	121.53	115.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	1a	516	PSU	N1-C2-N3	5.91	121.40	115.17
55	1x	32	PSU	N1-C2-N3	5.89	121.38	115.17
1	2A	1911	PSU	N1-C2-N3	5.77	121.26	115.17
32	1a	1518	MA6	N3-C2-N1	-5.75	120.87	128.67
55	2x	8	4SU	C4-N3-C2	-5.69	121.86	127.31
1	2A	1915	5MU	N3-C2-N1	5.63	122.22	114.89
1	2A	1939	5MU	C4-N3-C2	-5.60	119.99	127.34
55	2x	54	5MU	C4-N3-C2	-5.56	120.05	127.34
55	2x	54	5MU	N3-C2-N1	5.52	122.08	114.89
1	1A	1915	5MU	C4-N3-C2	-5.51	120.11	127.34
1	2A	1915	5MU	C4-N3-C2	-5.49	120.14	127.34
1	2A	1939	5MU	N3-C2-N1	5.46	122.00	114.89
1	1A	1915	5MU	N3-C2-N1	5.40	121.92	114.89
32	2a	1518	MA6	N3-C2-N1	-5.38	121.37	128.67
32	2a	1519	MA6	N3-C2-N1	-5.30	121.48	128.67
32	1a	1519	MA6	N3-C2-N1	-5.29	121.50	128.67
55	1x	21	H2U	N3-C2-N1	-5.22	111.41	116.65
55	1x	8	4SU	C5-C4-N3	5.08	119.47	114.75
1	1A	1939	5MU	C4-N3-C2	-4.92	120.89	127.34
1	2A	2552	OMU	C4-N3-C2	-4.78	120.68	126.61
1	1A	1915	5MU	C5-C4-N3	4.77	119.47	115.32
1	1A	1939	5MU	N3-C2-N1	4.74	121.06	114.89
1	2A	2552	OMU	N3-C2-N1	4.74	121.06	114.89
1	1A	2552	OMU	C4-N3-C2	-4.73	120.73	126.61
32	2a	1518	MA6	C2-N1-C6	4.70	121.45	116.84
32	1a	1519	MA6	C2-N1-C6	4.69	121.44	116.84
32	1a	1518	MA6	C2-N1-C6	4.67	121.42	116.84
55	2x	39	PSU	N1-C2-N3	4.61	120.03	115.17
1	2A	1939	5MU	C5-C4-N3	4.59	119.31	115.32
55	2x	54	5MU	C5-C4-N3	4.51	119.25	115.32
1	2A	1915	5MU	C5-C4-N3	4.46	119.20	115.32
32	2a	1519	MA6	C2-N1-C6	4.38	121.14	116.84
32	2a	516	PSU	C4-N3-C2	-4.35	120.38	126.37
1	2A	1911	PSU	C4-N3-C2	-4.33	120.40	126.37
1	1A	1939	5MU	C5-C4-N3	4.32	119.08	115.32
55	1x	55	PSU	C4-N3-C2	-4.31	120.43	126.37
1	2A	1939	5MU	C5-C6-N1	-4.31	118.63	123.31
32	1a	516	PSU	C4-N3-C2	-4.27	120.49	126.37
1	1A	1911	PSU	C4-N3-C2	-4.26	120.50	126.37
1	1A	1939	5MU	O4-C4-C5	-4.26	120.04	124.92
1	1A	1939	5MU	C5-C6-N1	-4.24	118.71	123.31
55	2x	55	PSU	C4-N3-C2	-4.22	120.55	126.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
55	1x	54	5MU	N3-C2-N1	4.20	120.35	114.89
1	1A	2605	PSU	C4-N3-C2	-4.16	120.63	126.37
1	2A	2605	PSU	C4-N3-C2	-4.15	120.65	126.37
55	1x	8	4SU	C4-N3-C2	-4.10	123.39	127.31
55	2x	37	MIA	N3-C2-N1	-4.07	123.15	128.67
55	1x	32	PSU	C4-N3-C2	-4.03	120.82	126.37
1	2A	1939	5MU	O4-C4-C5	-4.03	120.31	124.92
1	2A	1917	PSU	C4-N3-C2	-4.01	120.84	126.37
1	1A	1915	5MU	O4-C4-C5	-4.01	120.33	124.92
55	2x	32	PSU	C4-N3-C2	-4.00	120.86	126.37
32	2a	1400	5MC	C5-C6-N1	-4.00	118.97	123.31
1	1A	2552	OMU	C5-C4-N3	3.98	120.37	114.80
1	1A	1917	PSU	C4-N3-C2	-3.97	120.91	126.37
55	1x	37	MIA	N3-C2-N1	-3.96	123.30	128.67
55	2x	54	5MU	O4-C4-C5	-3.92	120.43	124.92
55	1x	32	PSU	O2-C2-N1	-3.92	118.75	122.79
1	2A	1917	PSU	O2-C2-N1	-3.90	118.77	122.79
55	1x	54	5MU	C4-N3-C2	-3.88	122.25	127.34
1	1A	2552	OMU	N3-C2-N1	3.87	119.93	114.89
55	2x	76	8AN	O4'-C1'-N9	-3.85	103.65	108.75
55	2x	8	4SU	C5-C4-S4	-3.84	119.91	124.31
55	2x	32	PSU	O2-C2-N1	-3.82	118.85	122.79
32	2a	967	5MC	C5-C6-N1	-3.74	119.25	123.31
1	2A	1915	5MU	C5-C6-N1	-3.73	119.26	123.31
55	1x	54	5MU	C5-C4-N3	3.73	118.56	115.32
55	1x	39	PSU	C4-N3-C2	-3.73	121.24	126.37
1	1A	2605	PSU	O2-C2-N1	-3.71	118.97	122.79
55	1x	55	PSU	O2-C2-N1	-3.67	119.00	122.79
32	2a	516	PSU	O2-C2-N1	-3.63	119.05	122.79
1	1A	1915	5MU	C5-C6-N1	-3.62	119.38	123.31
1	2A	1962	5MC	C5-C6-N1	-3.56	119.45	123.31
32	1a	967	5MC	C5-C6-N1	-3.56	119.45	123.31
32	2a	1404	5MC	C5-C6-N1	-3.51	119.50	123.31
55	1x	54	5MU	O4-C4-C5	-3.50	120.91	124.92
1	1A	1915	5MU	O2-C2-N1	-3.50	118.24	122.80
55	2x	54	5MU	C5-C6-N1	-3.49	119.52	123.31
1	2A	1915	5MU	O4-C4-C5	-3.44	120.98	124.92
1	1A	1942	5MC	C5-C6-N1	-3.41	119.61	123.31
1	1A	2552	OMU	O4-C4-C5	-3.35	119.39	125.16
1	1A	1962	5MC	C5-C6-N1	-3.34	119.69	123.31
32	2a	1519	MA6	C4-C5-N7	-3.32	105.83	109.34
1	2A	2552	OMU	C5-C4-N3	3.23	119.32	114.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	2552	OMU	O2-C2-N1	-3.23	118.59	122.80
32	1a	1404	5MC	C5-C4-N3	-3.20	118.47	121.75
32	2a	1407	5MC	C5-C6-N1	-3.20	119.84	123.31
55	1x	39	PSU	O2-C2-N1	-3.17	119.52	122.79
1	2A	1942	5MC	C5-C4-N3	-3.17	118.51	121.75
32	2a	1498	UR3	C5-C4-N3	3.17	119.21	115.04
55	2x	55	PSU	O2-C2-N1	-3.15	119.54	122.79
32	1a	516	PSU	O2-C2-N1	-3.14	119.55	122.79
55	2x	8	4SU	N3-C2-N1	3.12	118.95	114.89
43	1l	92	0TD	OD2-CG-CB	3.11	119.86	113.15
1	1A	1942	5MC	C5-C4-N3	-3.09	118.59	121.75
32	1a	1400	5MC	C5-C6-N1	-3.09	119.96	123.31
1	2A	2605	PSU	O2-C2-N1	-3.04	119.66	122.79
55	2x	54	5MU	O2-C2-N1	-3.03	118.85	122.80
1	2A	2251	OMG	C8-N7-C5	2.98	107.63	102.55
32	2a	966	M2G	C8-N7-C5	2.97	107.61	102.55
32	2a	1407	5MC	C5-C4-N3	-2.97	118.71	121.75
32	1a	1404	5MC	C5-C6-N1	-2.97	120.09	123.31
55	1x	37	MIA	C4-C5-N7	-2.96	106.21	109.34
32	2a	1518	MA6	C4-C5-N7	-2.95	106.22	109.34
32	1a	1407	5MC	C5-C6-N1	-2.94	120.12	123.31
32	1a	1518	MA6	C4-C5-N7	-2.94	106.23	109.34
32	2a	1407	5MC	O2-C2-N3	-2.93	117.71	122.33
1	1A	1911	PSU	O2-C2-N1	-2.93	119.77	122.79
55	1x	54	5MU	C5-C6-N1	-2.93	120.13	123.31
1	1A	1962	5MC	C5-C4-N3	-2.92	118.76	121.75
43	2l	92	0TD	OD2-CG-CB	2.91	119.44	113.15
1	1A	1917	PSU	O2-C2-N1	-2.91	119.79	122.79
32	1a	1498	UR3	C5-C4-N3	2.89	118.85	115.04
32	1a	1400	5MC	C5-C4-N3	-2.88	118.80	121.75
32	1a	1402	4OC	C6-C5-C4	2.86	120.44	117.00
32	1a	1407	5MC	C5-C4-N3	-2.84	118.85	121.75
55	2x	37	MIA	C4-C5-N7	-2.83	106.35	109.34
32	1a	966	M2G	C8-N7-C5	2.82	107.34	102.55
1	1A	2251	OMG	C8-N7-C5	2.80	107.31	102.55
32	1a	1519	MA6	C4-C5-N7	-2.80	106.38	109.34
32	1a	1207	2MG	C8-N7-C5	2.78	107.29	102.55
1	2A	1911	PSU	O2-C2-N1	-2.77	119.93	122.79
55	1x	21	H2U	C5-C6-N1	-2.76	103.16	111.52
32	2a	1207	2MG	C8-N7-C5	2.76	107.25	102.55
32	1a	967	5MC	C5-C4-N3	-2.73	118.95	121.75
1	2A	1942	5MC	C5-C6-N1	-2.71	120.37	123.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
55	2x	39	PSU	C4-N3-C2	-2.70	122.66	126.37
32	2a	1404	5MC	C5-C4-N3	-2.67	119.02	121.75
32	2a	1207	2MG	N1-C2-N2	2.67	119.28	116.56
32	1a	1407	5MC	O2-C2-N3	-2.62	118.20	122.33
55	1x	20	H2U	N3-C2-N1	2.62	119.28	116.65
32	1a	1400	5MC	O2-C2-N3	-2.58	118.26	122.33
1	1A	1939	5MU	O2-C2-N1	-2.58	119.44	122.80
55	2x	39	PSU	C6-C5-C4	-2.57	116.44	118.17
1	1A	2552	OMU	O2-C2-N1	-2.57	119.45	122.80
1	2A	1962	5MC	C5-C4-N3	-2.55	119.14	121.75
1	1A	2251	OMG	C5-C6-N1	2.55	118.94	114.07
55	2x	55	PSU	C5-C6-N1	-2.52	118.64	122.14
55	1x	8	4SU	N3-C2-N1	2.52	118.17	114.89
1	2A	1939	5MU	O2-C2-N1	-2.52	119.52	122.80
1	2A	1942	5MC	O2-C2-N3	-2.49	118.40	122.33
32	2a	516	PSU	O4'-C1'-C2'	2.49	108.59	105.15
32	1a	1407	5MC	CM5-C5-C6	-2.48	119.50	122.85
1	2A	1911	PSU	C6-C5-C4	-2.48	116.50	118.17
1	1A	2605	PSU	C5-C6-N1	-2.48	118.70	122.14
32	2a	516	PSU	C5-C6-N1	-2.46	118.72	122.14
32	2a	1402	4OC	C6-C5-C4	2.45	119.95	117.00
1	1A	2503	2MA	C4-C5-N7	-2.45	106.75	109.34
32	2a	1400	5MC	C5-C4-N3	-2.41	119.28	121.75
1	2A	2503	2MA	C2-N1-C6	2.41	121.80	118.10
1	1A	2251	OMG	O6-C6-C5	-2.40	119.57	124.32
32	1a	1498	UR3	C6-N1-C2	-2.36	119.87	121.80
32	2a	1207	2MG	N2-C2-N3	-2.35	117.51	120.51
55	1x	55	PSU	C5-C6-N1	-2.34	118.89	122.14
1	2A	2552	OMU	O4-C4-C5	-2.33	121.15	125.16
55	2x	8	4SU	C1'-N1-C2	2.32	121.77	117.59
1	2A	2503	2MA	C4-C5-N7	-2.31	106.90	109.34
32	2a	1402	4OC	O2-C2-N3	-2.28	118.73	122.33
32	1a	516	PSU	C5-C6-N1	-2.24	119.03	122.14
55	1x	8	4SU	C5-C4-S4	-2.24	121.75	124.31
32	2a	967	5MC	C5-C4-N3	-2.23	119.47	121.75
1	1A	2503	2MA	C2-N1-C6	2.21	121.50	118.10
55	2x	21	H2U	N3-C2-N1	-2.21	114.42	116.65
1	1A	1962	5MC	CM5-C5-C6	-2.21	119.86	122.85
1	2A	2605	PSU	O2-C2-N3	-2.20	117.95	121.86
1	2A	1915	5MU	O2-C2-N3	-2.16	117.50	121.49
1	1A	1917	PSU	C5-C6-N1	-2.15	119.16	122.14
55	1x	21	H2U	O4-C4-N3	2.13	123.59	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	2503	2MA	C5-C6-N1	-2.13	118.33	120.84
43	1l	92	0TD	OD1-CG-CB	-2.12	118.00	122.44
32	1a	1402	4OC	O2-C2-N3	-2.11	119.00	122.33
32	1a	1400	5MC	C1'-N1-C6	-2.11	117.68	121.15
32	1a	966	M2G	C5-C6-N1	2.11	118.09	114.07
1	1A	1942	5MC	N1-C2-N3	2.10	122.45	118.80
1	1A	1942	5MC	CM5-C5-C6	-2.10	120.01	122.85
1	1A	1920	OMC	O2-C2-N3	-2.09	119.03	122.33
1	1A	1911	PSU	C5-C6-N1	-2.09	119.24	122.14
1	2A	1911	PSU	C5-C6-N1	-2.09	119.25	122.14
32	2a	967	5MC	CM5-C5-C6	-2.07	120.05	122.85
32	2a	966	M2G	C5-C6-N1	2.06	118.00	114.07
1	1A	2251	OMG	CM2-O2'-C2'	-2.04	109.23	114.47
32	1a	516	PSU	O4'-C1'-C2'	2.04	107.97	105.15
55	2x	39	PSU	O4'-C1'-C2'	2.02	107.94	105.15
55	1x	39	PSU	C5-C6-N1	-2.02	119.34	122.14
55	2x	55	PSU	O2-C2-N3	-2.01	118.28	121.86
32	2a	1498	UR3	C3U-N3-C2	2.01	120.83	117.33
1	1A	1911	PSU	O2-C2-N3	-2.00	118.31	121.86
55	1x	20	H2U	O2-C2-N1	-2.00	120.70	123.10
32	1a	1404	5MC	O2-C2-N3	-2.00	119.17	122.33
1	2A	2251	OMG	C5-C6-N1	2.00	117.89	114.07

There are no chirality outliers.

All (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
32	2a	1402	4OC	O4'-C4'-C5'-O5'
55	2x	20	H2U	C4'-C5'-O5'-P
55	1x	21	H2U	O4'-C1'-N1-C6
55	2x	21	H2U	O4'-C1'-N1-C6
55	1x	37	MIA	O4'-C4'-C5'-O5'
55	2x	76	8AN	C4'-C5'-O5'-P
32	1a	527	G7M	C3'-C4'-C5'-O5'
32	1a	1402	4OC	O4'-C4'-C5'-O5'
55	2x	20	H2U	O4'-C4'-C5'-O5'
55	2x	20	H2U	C3'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
55	2x	37	MIA	O4'-C4'-C5'-O5'
55	1x	20	H2U	O4'-C4'-C5'-O5'
55	1x	20	H2U	C3'-C4'-C5'-O5'
55	1x	21	H2U	C3'-C4'-C5'-O5'
32	1a	1519	MA6	C3'-C4'-C5'-O5'
32	2a	1402	4OC	C3'-C4'-C5'-O5'
55	1x	37	MIA	C3'-C4'-C5'-O5'
55	1x	21	H2U	C2'-C1'-N1-C2
32	1a	1402	4OC	C3'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
55	2x	37	MIA	C3'-C4'-C5'-O5'
55	1x	76	8AN	C4'-C5'-O5'-P
32	1a	527	G7M	O4'-C4'-C5'-O5'
55	2x	21	H2U	C4'-C5'-O5'-P
55	1x	21	H2U	O4'-C1'-N1-C2
55	1x	21	H2U	O4'-C4'-C5'-O5'
43	2l	92	0TD	SB-CB-CG-OD1
55	1x	21	H2U	C2'-C1'-N1-C6
32	2a	527	G7M	C3'-C4'-C5'-O5'
32	1a	1519	MA6	C4'-C5'-O5'-P
1	2A	2503	2MA	O4'-C4'-C5'-O5'
32	1a	967	5MC	O4'-C4'-C5'-O5'
55	2x	21	H2U	O4'-C1'-N1-C2
1	1A	2503	2MA	O4'-C4'-C5'-O5'
43	1l	92	0TD	CG-CB-SB-CSB
43	2l	92	0TD	CG-CB-SB-CSB
32	2a	1519	MA6	C3'-C4'-C5'-O5'
32	2a	1519	MA6	C4'-C5'-O5'-P
32	2a	1402	4OC	C2'-C1'-N1-C2
1	1A	2503	2MA	C4'-C5'-O5'-P
32	1a	527	G7M	C4'-C5'-O5'-P
55	2x	21	H2U	C2'-C1'-N1-C2

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

All (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
1	2A	2138	C	9.0
1	2A	2803	C	9.0
1	1A	2117	A	8.9
1	2A	2793	G	8.8
1	1A	1088	A	8.8
1	2A	2116	G	8.7
1	1A	1072	C	8.5
1	1A	2141	G	8.5
1	2A	2802	G	8.5
1	1A	2129	C	8.5
1	1A	2115	G	8.4
1	1A	2174	C	8.3
1	2A	2108	C	8.2
1	2A	2122	U	8.2
1	1A	2120	G	8.2
1	2A	2111	C	8.1
1	1A	2121	G	8.1
1	1A	2114	A	8.1
1	1A	1068	G	8.1
1	1A	2175	C	7.9
1	1A	2108	C	7.9
1	2A	2804	C	7.6
1	1A	1057	A	7.5
1	2A	2137	C	7.5
1	1A	2178	C	7.4
1	1A	1069	A	7.4
1	2A	2147	G	7.4
1	2A	2120	G	7.3
1	1A	2119	A	7.3
1	1A	2113	U	7.3
1	1A	1093	G	7.3
26	24	49	PHE	7.2
44	1m	2	ALA	7.2
1	1A	2112	G	7.1
1	2A	2121	G	7.0
1	2A	2174	C	7.0
1	1A	1071	G	7.0
32	1a	1003	G	6.8
1	2A	2135	A	6.8

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Mol	Chain	Res	Type	RSRZ
1	1A	2179	C	6.7
1	2A	2105	C	6.7
1	1A	2135	A	6.6
1	2A	2114	A	6.6
32	1a	1026	G	6.6
1	1A	1058	G	6.6
1	1A	2159	G	6.6
1	1A	2148	G	6.5
1	2A	2123	G	6.5
1	1A	2128	C	6.5
1	1A	1094	U	6.5
1	2A	2169	A	6.5
1	1A	1059	G	6.4
1	2A	2148	G	6.4
1	1A	2892	A	6.4
1	2A	2173	A	6.4
1	2A	2170	A	6.3
1	1A	2130	U	6.3
32	2a	1034	G	6.3
32	1a	1027	C	6.3
1	1A	2169	A	6.2
32	1a	1036	G	6.2
1	1A	1062	G	6.2
1	1A	2170	A	6.1
1	1A	2122	U	6.1
32	1a	1000	U	6.1
1	2A	2155	G	6.1
32	1a	1029	C	6.1
1	1A	1097	U	6.0
32	1a	1025	U	6.0
1	2A	2110	G	6.0
1	1A	2125	G	6.0
1	2A	2165	G	6.0
1	2A	2128	C	6.0
32	2a	1036	G	6.0
1	2A	2134	A	5.9
1	2A	2177	C	5.9
1	1A	2173	A	5.9
1	1A	2167	U	5.9
1	2A	2113	U	5.9
20	2Y	1	MET	5.9
21	2Z	174	VAL	5.9

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Mol	Chain	Res	Type	RSRZ
1	2A	2101	G	5.8
1	1A	2110	G	5.8
1	2A	2100	G	5.8
1	2A	2792	G	5.8
1	1A	1098	A	5.7
32	2a	1035	A	5.7
1	2A	2107	C	5.7
32	1a	1028	C	5.7
50	1s	71	LEU	5.7
1	2A	2125	G	5.7
1	2A	2160	G	5.7
38	2g	4	ARG	5.7
7	2H	2	SER	5.6
3	1D	276	LYS	5.6
1	1A	2104	G	5.6
1	1A	1073	A	5.6
23	21	2	SER	5.6
54	2w	351	LEU	5.6
1	1A	2145	C	5.6
1	2A	2136	C	5.6
1	1A	1063	G	5.6
1	1A	2124	G	5.6
1	1A	2168	G	5.6
1	2A	2104	G	5.6
1	1A	1067	A	5.6
1	1A	1087	G	5.5
1	1A	2150	U	5.5
1	2A	2112	G	5.5
1	1A	1086	A	5.5
1	2A	2178	C	5.5
32	1a	1024	G	5.5
1	2A	2118	U	5.5
1	2A	2167	U	5.5
33	1b	230	VAL	5.5
1	2A	2166	G	5.5
56	1z	3	ALA	5.5
1	1A	2160	G	5.4
1	2A	2182	G	5.4
1	2A	2149	G	5.4
1	2A	2119	A	5.4
32	1a	1002	G	5.4
7	1H	2	SER	5.4

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Mol	Chain	Res	Type	RSRZ
1	1A	2165	G	5.3
32	2a	1033	G	5.3
33	1b	229	VAL	5.3
1	1A	2109	U	5.3
1	1A	2136	C	5.3
1	2A	2139	C	5.3
38	2g	80	VAL	5.3
1	1A	2118	U	5.3
1	1A	1100	C	5.2
33	2b	93	VAL	5.2
34	2c	194	GLY	5.2
1	2A	2129	C	5.2
1	1A	2158	A	5.2
1	1A	1099	G	5.2
1	2A	2159	G	5.2
32	1a	1001(A)	G	5.2
32	2a	1004	A	5.2
44	2m	5	ALA	5.2
1	1A	2181	G	5.1
1	1A	1064	C	5.1
56	2z	3	ALA	5.1
1	1A	2111	C	5.1
44	2m	102	ARG	5.1
47	1p	42	ARG	5.1
1	2A	2801(A)	A	5.1
1	2A	2106	G	5.0
1	2A	2126	A	5.0
36	2e	21	ALA	5.0
40	2i	66	ARG	5.0
34	2c	2	GLY	5.0
1	2A	2183	C	5.0
32	2a	1027	C	5.0
1	1A	1065	U	5.0
1	2A	2168	G	5.0
1	1A	2134	A	5.0
8	2I	133	HIS	5.0
32	1a	1286	A	5.0
1	1A	2102	U	4.9
1	1A	2149	G	4.9
32	1a	1034	G	4.9
35	1d	3	ARG	4.9
34	1c	65	ALA	4.9

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Mol	Chain	Res	Type	RSRZ
34	2c	71	ALA	4.9
32	2a	1029	C	4.9
1	2A	11	G	4.9
32	1a	1005	A	4.9
32	1a	1032	G	4.9
1	2A	2146	C	4.9
1	2A	2175	C	4.9
1	1A	11	G	4.9
1	1A	2147	G	4.9
1	2A	2805	G	4.9
33	1b	227	GLY	4.9
1	1A	1060	U	4.9
1	2A	2133	G	4.8
20	1Y	1	MET	4.8
1	1A	1092	C	4.8
32	1a	1039	C	4.8
32	1a	1041	A	4.8
1	2A	1537	G	4.8
40	2i	91	ASP	4.8
50	1s	13	ASP	4.8
1	2A	2163	C	4.8
1	2A	2162	G	4.8
1	1A	1082	U	4.8
1	1A	2893	G	4.7
1	1A	2894	G	4.7
1	1A	2139	C	4.7
32	1a	1035	A	4.7
1	1A	1089	G	4.7
1	2A	2154	G	4.7
35	1d	170	VAL	4.7
23	11	26	ARG	4.7
40	2i	7	THR	4.7
1	1A	1074	G	4.7
1	1A	2151	G	4.7
1	1A	2177	C	4.6
1	1A	2803	C	4.6
1	2A	888	C	4.6
1	2A	2179	C	4.6
50	2s	84	GLY	4.6
1	1A	2123	G	4.6
1	2A	2124	G	4.6
32	2a	1001(A)	G	4.6

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Mol	Chain	Res	Type	RSRZ
38	1g	81	GLY	4.6
32	2a	1028	C	4.6
1	2A	2130	U	4.6
38	1g	82	GLY	4.6
40	2i	67	GLY	4.6
26	24	56	VAL	4.5
1	2A	2145	C	4.5
1	2A	2164	C	4.5
26	14	59	PHE	4.5
1	2A	2894	G	4.5
54	2w	190	GLY	4.5
32	1a	1040	U	4.5
1	1A	2107	C	4.5
7	2H	45	VAL	4.5
40	1i	8	GLY	4.5
14	2S	32	LEU	4.5
47	2p	82	GLN	4.5
1	1A	2131	G	4.5
1	1A	2186	G	4.5
1	1A	2792	G	4.5
1	1A	1070	A	4.5
1	2A	2109	U	4.5
1	2A	2132	U	4.5
1	2A	2158	A	4.5
32	1a	1001	A	4.5
35	2d	122	ARG	4.5
1	2A	2102	U	4.4
1	1A	2190	G	4.4
32	2a	1001	A	4.4
1	1A	2176	A	4.4
1	2A	2176	A	4.4
38	1g	34	GLY	4.4
1	1A	2156	G	4.4
1	1A	2142	C	4.4
1	1A	2172	U	4.4
1	1A	2133	G	4.4
38	2g	83	ALA	4.4
32	2a	1218	C	4.4
33	2b	7	VAL	4.4
1	2A	2150	U	4.4
32	2a	1219	U	4.4
1	1A	2805	G	4.3

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Mol	Chain	Res	Type	RSRZ
44	2m	7	VAL	4.3
1	1A	2103	C	4.3
32	1a	76	C	4.3
44	2m	6	GLY	4.3
42	2k	126	ARG	4.3
44	1m	97	PRO	4.3
1	1A	2166	G	4.3
1	2A	2156	G	4.3
1	2A	2161	C	4.3
32	2a	1002	G	4.3
34	1c	62	ASP	4.3
40	1i	15	ALA	4.3
41	2j	37	PRO	4.3
44	2m	118	ALA	4.3
34	2c	159	GLY	4.3
12	2Q	60	ARG	4.3
33	1b	17	PHE	4.3
34	1c	189	ALA	4.3
40	2i	105	ASP	4.3
1	1A	2140	C	4.3
32	2a	1038	C	4.3
39	2h	2	LEU	4.3
1	1A	1081	U	4.3
33	2b	91	PRO	4.3
50	2s	13	ASP	4.2
40	2i	102	LEU	4.2
50	1s	4	SER	4.2
1	2A	2103	C	4.2
32	1a	1038	C	4.2
1	2A	2131	G	4.2
1	1A	12	U	4.2
1	2A	2171	A	4.2
32	2a	1256	A	4.2
50	1s	35	SER	4.2
1	2A	2157	G	4.2
32	1a	1447	A	4.2
32	2a	994	A	4.2
34	1c	193	TYR	4.2
41	2j	40	LEU	4.2
1	1A	2146	C	4.2
1	1A	2154	G	4.2
50	1s	16	LEU	4.1

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Mol	Chain	Res	Type	RSRZ
1	1A	2137	C	4.1
1	2A	1113	U	4.1
35	1d	23	GLY	4.1
42	2k	13	GLN	4.1
1	1A	2127	G	4.1
1	1A	2793	G	4.1
32	2a	1030(A)	G	4.1
50	2s	2	PRO	4.1
33	2b	13	ALA	4.1
12	2Q	59	ARG	4.1
1	1A	2132	U	4.1
52	1u	23	PRO	4.1
1	1A	2185	C	4.1
32	2a	1363	C	4.1
1	1A	2162	G	4.1
35	1d	115	ARG	4.1
34	2c	195	VAL	4.1
1	1A	1177	A	4.1
6	2G	53	LEU	4.1
6	1G	48	GLU	4.1
1	1A	2794	C	4.1
1	2A	2896	C	4.1
25	23	29	ARG	4.1
32	1a	999	C	4.1
33	2b	36	ARG	4.1
41	2j	49	VAL	4.1
1	1A	2106	G	4.1
1	2A	2127	G	4.1
1	2A	2190	G	4.1
1	1A	2801(A)	A	4.1
35	2d	157	LEU	4.1
32	2a	1000	U	4.0
44	2m	54	VAL	4.0
1	1A	2105	C	4.0
32	2a	1005	A	4.0
40	1i	9	ARG	4.0
32	1a	1037	C	4.0
6	2G	50	ALA	4.0
35	2d	115	ARG	4.0
38	2g	32	ARG	4.0
38	1g	85	TYR	4.0
52	1u	21	TYR	4.0

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Mol	Chain	Res	Type	RSRZ
32	2a	1447	A	4.0
38	2g	156	TRP	4.0
45	2n	55	GLY	4.0
1	2A	2172	U	4.0
34	2c	79	ARG	4.0
1	1A	2164	C	4.0
1	1A	1077	A	4.0
1	1A	2187	G	4.0
32	1a	1030(A)	G	4.0
32	1a	1224	G	4.0
41	1j	4	ILE	4.0
7	2H	124	GLU	3.9
32	2a	1257	U	4.0
33	2b	133	LYS	3.9
42	2k	31	THR	3.9
40	2i	109	VAL	3.9
45	2n	18	VAL	3.9
1	1A	2163	C	3.9
1	2A	2140	C	3.9
1	2A	2142	C	3.9
34	1c	52	LEU	3.9
50	1s	20	LEU	3.9
33	1b	97	TRP	3.9
40	2i	18	PHE	3.9
34	2c	190	ARG	3.9
1	1A	1101	U	3.9
1	2A	2186	G	3.9
32	1a	1021	G	3.9
32	2a	1023	G	3.9
44	2m	98	VAL	3.9
26	14	67	TYR	3.9
26	24	67	TYR	3.9
34	2c	52	LEU	3.9
36	1e	85	GLY	3.9
1	1A	2161	C	3.9
1	2A	2143	C	3.9
33	1b	231	GLU	3.9
34	2c	192	THR	3.9
51	1t	9	ASN	3.9
32	2a	1024	G	3.9
21	2Z	146	ILE	3.9
44	1m	118	ALA	3.9

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Mol	Chain	Res	Type	RSRZ
54	2w	350	ALA	3.9
1	2A	652(T)	C	3.9
41	1j	24	VAL	3.9
9	2N	8	GLN	3.9
8	1I	45	LYS	3.9
40	2i	81	ILE	3.9
52	2u	14	TRP	3.9
1	1A	1509	C	3.8
19	2X	92	LEU	3.8
36	2e	20	GLN	3.8
38	2g	81	GLY	3.8
33	2b	200	ILE	3.8
1	2A	652(B)	A	3.8
34	2c	168	ALA	3.8
32	1a	1023	G	3.8
33	2b	33	TYR	3.8
1	1A	1066	U	3.8
51	1t	103	GLY	3.8
1	2A	2151	G	3.8
1	2A	2184	G	3.8
1	1A	2188	C	3.8
40	2i	103	THR	3.8
40	2i	14	VAL	3.8
32	1a	1531	A	3.8
35	1d	132	ARG	3.8
32	1a	1031	G	3.7
32	1a	1033	G	3.7
1	1A	2144	U	3.7
6	1G	113	ARG	3.7
32	2a	1235	U	3.7
50	1s	84	GLY	3.7
21	2Z	136	PHE	3.7
38	2g	84	ASN	3.7
40	1i	56	LEU	3.7
38	1g	80	VAL	3.7
40	1i	91	ASP	3.7
50	1s	12	ASP	3.7
45	2n	3	ARG	3.7
1	1A	883	G	3.7
1	2A	2206	G	3.7
32	1a	1050	G	3.7
41	2j	6	ILE	3.7

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Mol	Chain	Res	Type	RSRZ
1	2A	645	C	3.7
1	1A	2790	A	3.7
4	2E	151	TYR	3.7
32	2a	1324	A	3.7
38	2g	5	ARG	3.7
52	2u	6	ARG	3.7
34	2c	185	GLY	3.7
35	1d	171	GLY	3.7
32	1a	630	G	3.7
32	2a	1258	G	3.7
33	1b	129	GLU	3.7
40	2i	11	LYS	3.7
20	2Y	55	TYR	3.7
1	1A	1075	C	3.7
6	2G	62	LEU	3.7
32	2a	1030	C	3.7
50	1s	45	VAL	3.7
53	2v	15	A	3.7
38	1g	4	ARG	3.7
41	2j	30	SER	3.7
40	1i	2	GLU	3.6
38	1g	2	ALA	3.6
1	1A	271(K)	U	3.6
26	14	56	VAL	3.6
32	2a	1025	U	3.6
32	2a	1150	U	3.6
32	2a	1003	G	3.6
1	1A	1076	C	3.6
1	2A	2188	C	3.6
1	2A	2794	C	3.6
46	1o	89	GLY	3.6
34	2c	69	HIS	3.6
40	2i	126	SER	3.6
7	2H	58	GLU	3.6
33	2b	44	LEU	3.6
50	2s	15	LEU	3.6
50	2s	9	VAL	3.6
34	2c	191	THR	3.6
32	1a	1257	U	3.6
32	2a	1040	U	3.6
1	2A	10	G	3.6
1	2A	1533	G	3.6

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Mol	Chain	Res	Type	RSRZ
51	1t	68	LYS	3.6
44	2m	58	GLU	3.6
15	1T	131	ALA	3.6
21	1Z	141	VAL	3.6
45	2n	33	VAL	3.6
41	1j	74	ILE	3.6
51	2t	103	GLY	3.6
29	27	48	LYS	3.6
1	1A	2152	G	3.6
1	1A	2157	G	3.6
32	1a	78	G	3.6
32	2a	1032	G	3.6
34	2c	160	ALA	3.6
40	2i	15	ALA	3.6
32	1a	1030(D)	A	3.6
35	1d	118	ARG	3.6
44	2m	23	TYR	3.6
44	2m	100	GLY	3.6
33	1b	19	HIS	3.6
40	2i	96	LEU	3.5
22	20	9	SER	3.5
44	1m	107	ALA	3.5
34	2c	152	ILE	3.5
41	2j	75	ILE	3.5
1	2A	892	G	3.5
32	2a	1124	G	3.5
32	2a	1217	C	3.5
40	1i	7	THR	3.5
26	24	59	PHE	3.5
11	2P	15	ARG	3.5
40	2i	10	ARG	3.5
45	2n	59	ALA	3.5
1	1A	2180	U	3.5
41	2j	44	VAL	3.5
40	2i	127	LYS	3.5
45	2n	42	ILE	3.5
20	2Y	58	GLY	3.5
34	2c	158	GLY	3.5
35	2d	6	GLY	3.5
32	2a	1006	C	3.5
1	2A	2141	G	3.5
1	2A	2153	G	3.5

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Mol	Chain	Res	Type	RSRZ
32	2a	1026	G	3.5
34	2c	8	ILE	3.5
41	2j	42	THR	3.5
41	2j	81	THR	3.5
50	1s	77	THR	3.5
21	2Z	145	GLU	3.5
7	2H	3	ARG	3.5
7	2H	6	ARG	3.5
32	2a	1030(D)	A	3.5
41	1j	70	ARG	3.5
45	1n	3	ARG	3.5
47	1p	81	ARG	3.5
52	1u	9	ARG	3.5
41	2j	77	PRO	3.5
33	2b	230	VAL	3.5
41	2j	78	ASN	3.5
1	1A	1056	G	3.5
1	2A	2893	G	3.5
45	1n	32	SER	3.5
6	2G	35	GLU	3.4
40	2i	9	ARG	3.4
38	2g	2	ALA	3.4
38	1g	42	ILE	3.4
38	1g	84	ASN	3.4
40	1i	14	VAL	3.4
1	1A	2171	A	3.4
1	2A	1536	C	3.4
32	1a	1030	C	3.4
32	2a	1119	C	3.4
34	1c	2	GLY	3.4
41	1j	10	GLY	3.4
41	2j	93	GLY	3.4
1	1A	1091	G	3.4
1	2A	2807	G	3.4
32	1a	102	G	3.4
33	2b	170	GLU	3.4
26	14	55	ARG	3.4
34	2c	62	ASP	3.4
39	1h	93	VAL	3.4
46	1o	3	ILE	3.4
1	2A	893	C	3.4
1	1A	2802	G	3.4

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Mol	Chain	Res	Type	RSRZ
32	1a	1042	G	3.4
41	2j	68	HIS	3.4
41	2j	69	ASN	3.4
50	2s	35	SER	3.4
33	2b	70	PHE	3.4
22	20	84	LEU	3.4
50	2s	79	THR	3.4
20	2Y	54	LYS	3.4
6	2G	29	TRP	3.4
1	1A	890	A	3.4
32	2a	1093	A	3.4
32	2a	1018	C	3.4
41	1j	32	ALA	3.4
45	1n	30	ALA	3.4
26	24	22	ILE	3.4
40	2i	53	VAL	3.4
1	2A	2144	U	3.4
1	1A	1173	G	3.4
1	1A	2101	G	3.4
1	2A	883	G	3.4
32	2a	1021	G	3.4
32	2a	1224	G	3.4
35	1d	157	LEU	3.4
36	2e	45	PHE	3.4
40	2i	115	GLY	3.4
41	2j	47	PHE	3.4
50	2s	77	THR	3.4
23	21	26	ARG	3.4
39	2h	99	GLU	3.3
38	2g	85	TYR	3.3
45	2n	21	TYR	3.3
32	2a	1236	A	3.3
33	1b	7	VAL	3.3
41	2j	38	ILE	3.3
1	1A	645	C	3.3
1	2A	2789	C	3.3
32	1a	1043	C	3.3
41	2j	65	LEU	3.3
47	1p	80	PHE	3.3
50	1s	5	LEU	3.3
52	1u	16	GLY	3.3
41	2j	43	ARG	3.3

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Mol	Chain	Res	Type	RSRZ
32	1a	1009	G	3.3
33	1b	91	PRO	3.3
33	2b	199	TYR	3.3
42	2k	25	TYR	3.3
34	2c	100	ALA	3.3
33	2b	71	VAL	3.3
33	2b	11	LEU	3.3
33	2b	154	LEU	3.3
34	2c	196	LEU	3.3
45	2n	6	LEU	3.3
1	2A	890	A	3.3
40	1i	39	GLY	3.3
38	2g	76	ARG	3.3
40	2i	42	ARG	3.3
43	1l	89	ARG	3.3
1	2A	271(K)	U	3.3
32	1a	1030(B)	C	3.3
32	2a	1325	C	3.3
33	2b	134	GLU	3.3
40	2i	2	GLU	3.3
33	1b	232	PRO	3.3
45	2n	34	TYR	3.3
3	2D	2	ALA	3.3
6	1G	50	ALA	3.3
1	2A	2152	G	3.3
32	2a	630	G	3.3
6	1G	49	ASP	3.3
26	14	51	ASP	3.3
35	1d	134	ASP	3.3
40	2i	95	LYS	3.3
22	20	10	THR	3.3
41	2j	35	SER	3.3
6	1G	137	GLU	3.3
53	1v	12	A	3.3
42	2k	121	PRO	3.3
1	1A	1090	U	3.3
1	2A	2185	C	3.3
32	2a	1259	C	3.3
33	2b	97	TRP	3.3
34	1c	187	ALA	3.3
35	1d	111	ALA	3.3
45	2n	5	ALA	3.3

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Mol	Chain	Res	Type	RSRZ
21	1Z	105	VAL	3.3
33	2b	19	HIS	3.3
35	1d	174	LEU	3.3
38	2g	16	LEU	3.3
21	2Z	106	GLY	3.3
22	20	11	ARG	3.3
49	2r	54	ARG	3.3
1	1A	1176	G	3.3
1	1A	2155	G	3.3
1	2A	1171	G	3.3
32	1a	73	G	3.3
32	2a	1253	G	3.3
32	2a	1304	G	3.3
34	1c	192	THR	3.2
50	1s	38	SER	3.2
1	1A	1095	A	3.2
9	2N	9	VAL	3.2
14	2S	34	HIS	3.2
34	2c	193	TYR	3.2
40	1i	76	ALA	3.2
40	2i	62	TYR	3.2
56	1z	4	ALA	3.2
1	1A	1083	U	3.2
12	2Q	22	LYS	3.2
32	1a	1012	U	3.2
51	1t	10	LEU	3.2
1	1A	1079	C	3.2
1	1A	2143	C	3.2
1	2A	885	C	3.2
21	1Z	136	PHE	3.2
41	1j	36	GLY	3.2
33	1b	134	GLU	3.2
33	2b	131	PRO	3.2
50	2s	4	SER	3.2
32	2a	1323	G	3.2
33	2b	161	ALA	3.2
34	2c	187	ALA	3.2
40	1i	94	ALA	3.2
35	1d	38	TYR	3.2
42	1k	25	TYR	3.2
50	1s	9	VAL	3.2
6	2G	139	LEU	3.2

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Mol	Chain	Res	Type	RSRZ
35	2d	174	LEU	3.2
35	2d	42	GLN	3.2
42	1k	13	GLN	3.2
1	1A	548	A	3.2
1	1A	1046	A	3.2
1	1A	1096	A	3.2
32	2a	1130	A	3.2
26	14	17	GLY	3.2
33	2b	163	PHE	3.2
35	1d	122	ARG	3.2
50	1s	29	ARG	3.2
54	1w	323	ASP	3.2
54	2w	311	ARG	3.2
32	1a	219	C	3.2
32	2a	1019	C	3.2
32	2a	1037	C	3.2
32	2a	1039	C	3.2
7	2H	162	ILE	3.2
33	1b	127	ILE	3.2
34	1c	87	LEU	3.2
41	2j	85	LEU	3.2
50	2s	16	LEU	3.2
50	2s	67	VAL	3.2
50	2s	52	TYR	3.2
1	1A	2184	G	3.2
32	2a	1022	G	3.2
42	2k	125	PHE	3.2
50	2s	36	ARG	3.2
40	2i	72	GLY	3.2
1	1A	1078	U	3.2
40	2i	12	GLU	3.2
52	2u	8	THR	3.2
33	2b	22	LYS	3.2
33	2b	39	ILE	3.2
41	2j	8	LEU	3.2
45	2n	30	ALA	3.2
51	1t	18	GLN	3.2
35	2d	3	ARG	3.2
47	1p	72	ARG	3.2
48	1q	68	ARG	3.2
32	1a	1017	G	3.1
1	1A	1085	A	3.1

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Mol	Chain	Res	Type	RSRZ
1	2A	2895	U	3.1
2	2B	59	A	3.1
32	1a	1004	A	3.1
40	2i	63	ILE	3.1
50	1s	40	ILE	3.1
21	2Z	125	LEU	3.1
34	1c	55	VAL	3.1
35	1d	116	GLN	3.1
35	1d	119	GLN	3.1
35	1d	173	TRP	3.1
1	1A	2138	C	3.1
6	2G	146	TYR	3.1
40	2i	5	TYR	3.1
26	14	54	GLY	3.1
33	2b	151	GLY	3.1
40	2i	8	GLY	3.1
6	2G	2	PRO	3.1
7	2H	85	LYS	3.1
33	2b	37	ASN	3.1
37	2f	45	LEU	3.1
50	1s	15	LEU	3.1
1	1A	271(M)	G	3.1
1	2A	171	G	3.1
32	1a	1048	G	3.1
32	1a	1049	U	3.1
34	2c	116	VAL	3.1
44	2m	17	VAL	3.1
54	2w	185	VAL	3.1
1	1A	2126	A	3.1
41	1j	5	ARG	3.1
6	1G	146	TYR	3.1
7	2H	163	TYR	3.1
52	2u	11	GLY	3.1
20	2Y	5	MET	3.1
33	2b	90	MET	3.1
7	2H	128	PRO	3.1
1	1A	889	C	3.1
32	2a	470	C	3.1
34	2c	182	ILE	3.1
38	1g	12	LEU	3.1
34	1c	64	VAL	3.1
41	1j	33	GLN	3.1

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Mol	Chain	Res	Type	RSRZ
38	1g	156	TRP	3.1
40	2i	39	GLY	3.1
1	1A	1171	G	3.1
32	2a	1092	A	3.1
32	2a	1370	G	3.1
38	2g	151	TYR	3.1
40	2i	92	TYR	3.1
8	2I	87	LYS	3.1
8	2I	48	GLU	3.1
34	1c	5	ILE	3.1
6	2G	172	LEU	3.1
44	2m	19	LEU	3.1
1	1A	886	C	3.1
32	1a	67	C	3.1
32	1a	989	C	3.1
32	2a	1149	C	3.1
7	2H	50	VAL	3.1
12	1Q	60	ARG	3.1
34	2c	92	ALA	3.1
40	2i	17	VAL	3.1
47	2p	25	ARG	3.1
50	2s	24	ALA	3.1
52	1u	24	ARG	3.1
35	2d	152	SER	3.1
41	2j	10	GLY	3.1
44	2m	13	LYS	3.1
41	2j	41	PRO	3.1
50	1s	42	PRO	3.1
32	1a	991	U	3.0
1	1A	1103	A	3.0
34	2c	12	LEU	3.0
41	1j	48	THR	3.0
1	1A	2182	G	3.0
1	2A	2191	G	3.0
32	1a	79	G	3.0
32	2a	1117	G	3.0
7	2H	97	ARG	3.0
7	2H	165	ALA	3.0
34	1c	68	VAL	3.0
40	1i	106	ALA	3.0
40	2i	104	ARG	3.0
50	2s	3	ARG	3.0

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Mol	Chain	Res	Type	RSRZ
50	2s	29	ARG	3.0
7	2H	134	SER	3.0
41	2j	63	PHE	3.0
1	1A	1080	C	3.0
1	2A	1178	C	3.0
12	2Q	61	GLY	3.0
34	2c	48	TYR	3.0
54	2w	208	GLU	3.0
7	2H	136	ILE	3.0
32	1a	96	U	3.0
33	2b	10	LEU	3.0
40	2i	19	LEU	3.0
22	20	55	ARG	3.0
33	1b	37	ASN	3.0
41	2j	27	ALA	3.0
50	2s	60	VAL	3.0
20	2Y	89	PHE	3.0
32	2a	1017	G	3.0
32	2a	1031	G	3.0
32	2a	1373	G	3.0
53	1v	10	G	3.0
33	2b	72	GLY	3.0
46	2o	86	GLY	3.0
41	1j	77	PRO	3.0
50	1s	34	TRP	3.0
1	1A	2791	C	3.0
47	1p	17	TYR	3.0
33	1b	222	ILE	3.0
34	2c	33	LEU	3.0
34	2c	124	ILE	3.0
45	2n	53	LEU	3.0
15	1T	39	ARG	3.0
21	2Z	103	ARG	3.0
40	1i	16	ARG	3.0
52	2u	9	ARG	3.0
33	2b	112	VAL	3.0
50	2s	50	ALA	3.0
16	1U	117	GLN	3.0
50	2s	10	PHE	3.0
34	1c	96	GLY	3.0
38	2g	82	GLY	3.0
42	2k	86	GLY	3.0

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Mol	Chain	Res	Type	RSRZ
22	10	9	SER	3.0
34	1c	114	PRO	3.0
1	1A	2833	G	3.0
32	2a	1222	G	3.0
33	2b	236	TYR	3.0
41	2j	50	ILE	3.0
41	2j	96	ILE	3.0
44	1m	87	TYR	3.0
44	2m	70	LEU	3.0
44	2m	87	TYR	3.0
12	2Q	6	ARG	3.0
34	1c	88	ARG	3.0
35	2d	10	ARG	3.0
46	1o	88	ARG	3.0
34	1c	142	MET	3.0
1	1A	888	C	3.0
32	1a	1006	C	3.0
32	2a	1030(B)	C	3.0
34	1c	66	VAL	3.0
38	2g	25	ALA	3.0
40	1i	43	ALA	3.0
40	2i	21	PRO	3.0
54	2w	308	PRO	3.0
1	2A	2809	A	2.9
42	1k	42	TRP	2.9
45	1n	39	LEU	2.9
7	2H	148	ILE	2.9
50	1s	14	HIS	2.9
26	24	32	TYR	2.9
33	2b	34	ALA	2.9
34	2c	60	ALA	2.9
35	2d	112	VAL	2.9
41	2j	80	LYS	2.9
32	1a	1215	G	2.9
43	2l	18	VAL	2.9
33	2b	135	GLN	2.9
18	2W	60	ASN	2.9
45	1n	16	PHE	2.9
1	1A	154(A)	C	2.9
1	1A	2183	C	2.9
32	2a	1043	C	2.9
32	2a	1249	C	2.9

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Mol	Chain	Res	Type	RSRZ
34	2c	25	GLY	2.9
1	2A	2099	U	2.9
1	2A	2897	U	2.9
32	1a	1446	U	2.9
35	1d	101	LEU	2.9
42	1k	98	LEU	2.9
54	1w	348	LEU	2.9
19	2X	68	ARG	2.9
33	2b	153	ARG	2.9
40	1i	104	ARG	2.9
44	1m	108	ARG	2.9
19	2X	69	TYR	2.9
33	2b	92	TYR	2.9
1	1A	1174	A	2.9
32	1a	1044	A	2.9
32	1a	1299	A	2.9
53	2v	14	A	2.9
21	1Z	51	ALA	2.9
33	1b	71	VAL	2.9
33	2b	219	VAL	2.9
34	2c	189	ALA	2.9
39	2h	28	ALA	2.9
41	2j	20	ALA	2.9
43	1l	18	VAL	2.9
56	2z	4	ALA	2.9
5	2F	178	PRO	2.9
33	2b	66	GLY	2.9
34	2c	197	GLY	2.9
41	2j	31	GLY	2.9
1	2A	652(U)	G	2.9
1	2A	2192	G	2.9
32	1a	1030(C)	G	2.9
32	2a	485	G	2.9
14	2S	110	LEU	2.9
26	24	30	GLU	2.9
33	2b	86	GLU	2.9
34	2c	105	GLU	2.9
1	2A	886	C	2.9
32	1a	1260	C	2.9
32	2a	1397	C	2.9
33	2b	83	MET	2.9
1	2A	272(A)	U	2.9

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Mol	Chain	Res	Type	RSRZ
1	2A	2189	U	2.9
7	2H	42	ARG	2.9
32	2a	1090	U	2.9
46	2o	88	ARG	2.9
7	1H	175	LYS	2.9
26	14	50	VAL	2.9
33	2b	237	ALA	2.9
34	1c	100	ALA	2.9
34	1c	106	VAL	2.9
41	2j	72	VAL	2.9
54	1w	344	GLN	2.9
32	2a	1016	A	2.9
32	2a	1286	A	2.9
32	2a	1289	A	2.9
34	2c	7	PRO	2.9
35	1d	69	GLY	2.9
50	1s	68	GLY	2.9
52	2u	2	GLY	2.9
33	2b	69	LEU	2.9
34	2c	188	LEU	2.9
41	1j	8	LEU	2.9
21	1Z	146	ILE	2.9
35	1d	192	GLU	2.9
41	1j	38	ILE	2.9
6	1G	76	SER	2.9
6	2G	95	ARG	2.9
40	2i	107	ARG	2.9
41	2j	79	ARG	2.9
34	2c	135	LYS	2.9
1	1A	10	G	2.9
32	2a	1190	G	2.9
32	2a	1290	G	2.9
1	1A	1175	U	2.9
1	2A	889	C	2.9
7	2H	164	TYR	2.9
32	1a	841	U	2.9
32	2a	1532	U	2.9
34	2c	76	VAL	2.9
41	2j	34	VAL	2.9
52	1u	18	TYR	2.9
35	1d	195	ALA	2.9
41	2j	58	ASP	2.9

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Mol	Chain	Res	Type	RSRZ
7	2H	10	PRO	2.9
7	2H	12	PRO	2.9
32	1a	1016	A	2.9
35	2d	155	LEU	2.9
41	2j	88	LEU	2.9
6	2G	52	ILE	2.8
41	1j	50	ILE	2.8
10	2O	31	LYS	2.8
7	2H	16	SER	2.8
48	2q	97	SER	2.8
50	2s	34	TRP	2.8
34	1c	95	THR	2.8
35	1d	105	VAL	2.8
6	2G	171	ALA	2.8
43	2l	64	TYR	2.8
51	1t	67	ALA	2.8
1	1A	2189	U	2.8
45	2n	36	PHE	2.8
54	2w	307	PHE	2.8
1	2A	1042	G	2.8
32	1a	1141	C	2.8
34	2c	32	LEU	2.8
6	2G	105	LYS	2.8
21	2Z	121	HIS	2.8
33	1b	113	HIS	2.8
33	2b	231	GLU	2.8
40	1i	10	ARG	2.8
42	1k	48	ILE	2.8
47	1p	12	LYS	2.8
6	2G	45	GLU	2.8
1	1A	529	A	2.8
40	1i	126	SER	2.8
7	2H	133	VAL	2.8
40	2i	26	VAL	2.8
33	2b	148	TYR	2.8
54	1w	309	GLN	2.8
40	2i	6	GLY	2.8
33	1b	44	LEU	2.8
32	1a	202	U	2.8
32	2a	1020	U	2.8
33	2b	140	HIS	2.8
41	2j	14	LYS	2.8

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Mol	Chain	Res	Type	RSRZ
50	2s	14	HIS	2.8
7	1H	3	ARG	2.8
52	2u	24	ARG	2.8
1	2A	2187	G	2.8
25	23	60	GLU	2.8
32	1a	631	G	2.8
32	2a	1013	G	2.8
32	2a	1220	G	2.8
1	2A	277	C	2.8
32	2a	1103	C	2.8
6	2G	149	VAL	2.8
33	2b	184	VAL	2.8
21	2Z	51	ALA	2.8
32	2a	1261	A	2.8
32	2a	1503	A	2.8
36	2e	48	ALA	2.8
47	2p	76	GLN	2.8
21	2Z	9	TYR	2.8
21	2Z	29	TYR	2.8
39	1h	57	PRO	2.8
44	1m	59	TYR	2.8
46	1o	69	TYR	2.8
7	2H	88	LEU	2.8
7	2H	142	GLY	2.8
33	1b	11	LEU	2.8
33	2b	158	LEU	2.8
40	2i	50	LEU	2.8
47	2p	12	LYS	2.8
51	1t	14	LYS	2.8
41	2j	76	ASN	2.8
7	1H	58	GLU	2.8
44	1m	58	GLU	2.8
1	2A	2180	U	2.8
32	2a	202	U	2.8
32	2a	961	U	2.8
32	2a	1148	U	2.8
38	2g	77	SER	2.8
1	2A	100	G	2.8
1	2A	1112	G	2.8
1	2A	1509	C	2.8
1	2A	2181	G	2.8
32	1a	201	C	2.8

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Mol	Chain	Res	Type	RSRZ
32	1a	1018	C	2.8
32	2a	631	G	2.8
32	2a	1132	C	2.8
44	1m	53	VAL	2.8
14	2S	77	ALA	2.8
33	1b	85	ALA	2.8
33	2b	107	THR	2.8
34	1c	137	ALA	2.8
50	1s	33	THR	2.8
50	1s	39	THR	2.8
21	2Z	1	MET	2.8
33	1b	69	LEU	2.8
33	2b	118	LEU	2.8
38	2g	38	LEU	2.8
40	2i	99	LEU	2.8
35	2d	171	GLY	2.8
44	1m	65	LYS	2.8
45	2n	58	LYS	2.8
47	1p	43	LYS	2.8
51	2t	74	LYS	2.8
1	2A	887	A	2.8
34	2c	202	ILE	2.7
41	1j	64	GLU	2.7
34	2c	207	VAL	2.7
20	2Y	57	GLN	2.7
46	2o	25	THR	2.7
47	1p	48	TRP	2.7
49	1r	29	PHE	2.7
6	2G	36	LYS	2.7
7	2H	30	LYS	2.7
1	1A	1102	C	2.7
11	2P	116	GLY	2.7
32	2a	979	C	2.7
40	2i	125	TYR	2.7
45	2n	38	GLY	2.7
9	2N	134	ARG	2.7
32	1a	97	G	2.7
32	1a	1258	G	2.7
32	2a	993	G	2.7
35	2d	118	ARG	2.7
34	1c	36	ASP	2.7
44	2m	9	ILE	2.7

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Mol	Chain	Res	Type	RSRZ
45	1n	7	ILE	2.7
10	2O	108	GLU	2.7
38	1g	37	ASN	2.7
1	2A	2892	A	2.7
53	1v	14	A	2.7
14	2S	28	VAL	2.7
33	2b	164	VAL	2.7
44	1m	103	THR	2.7
44	2m	51	ALA	2.7
54	2w	309	GLN	2.7
3	2D	38	LYS	2.7
6	2G	74	LYS	2.7
23	11	2	SER	2.7
26	14	52	THR	2.7
38	2g	98	SER	2.7
35	1d	21	LEU	2.7
20	2Y	80	GLY	2.7
33	1b	151	GLY	2.7
44	1m	3	ARG	2.7
44	1m	6	GLY	2.7
28	26	39	TYR	2.7
39	1h	94	TYR	2.7
40	1i	117	HIS	2.7
40	2i	36	TYR	2.7
6	1G	114	ILE	2.7
1	2A	1043	C	2.7
15	1T	38	ASN	2.7
32	2a	218	C	2.7
32	2a	1118	C	2.7
33	2b	94	ASN	2.7
41	1j	76	ASN	2.7
1	1A	2191	G	2.7
1	2A	2833	G	2.7
32	1a	199	G	2.7
32	2a	1068	G	2.7
32	2a	1171	G	2.7
1	1A	229	A	2.7
1	1A	887	A	2.7
7	2H	113	VAL	2.7
29	17	48	LYS	2.7
43	1l	23	LYS	2.7
45	1n	5	ALA	2.7

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Mol	Chain	Res	Type	RSRZ
40	1i	85	LEU	2.7
8	2I	34	GLY	2.7
12	1Q	61	GLY	2.7
14	2S	60	GLY	2.7
18	2W	92	ARG	2.7
23	21	28	GLY	2.7
25	13	29	ARG	2.7
41	2j	28	ARG	2.7
44	1m	100	GLY	2.7
47	1p	75	ARG	2.7
1	2A	12	U	2.7
2	2B	1	U	2.7
32	1a	992	U	2.7
32	2a	950	U	2.7
32	2a	991	U	2.7
32	2a	1126	U	2.7
33	1b	236	TYR	2.7
41	1j	75	ILE	2.7
6	2G	48	GLU	2.7
21	1Z	2	GLU	2.7
26	24	51	ASP	2.7
35	1d	102	ASP	2.7
35	2d	161	ASN	2.7
1	1A	2804	C	2.7
32	1a	979	C	2.7
32	2a	1145	C	2.7
34	2c	55	VAL	2.7
34	2c	120	VAL	2.7
50	1s	19	VAL	2.7
7	2H	102	ALA	2.7
33	2b	152	PHE	2.7
33	2b	183	PRO	2.7
34	2c	53	ALA	2.7
35	1d	120	LEU	2.7
40	1i	45	ALA	2.7
44	1m	28	ALA	2.7
46	2o	13	GLN	2.7
19	1X	95	LEU	2.7
41	2j	67	THR	2.7
1	2A	652(C)	G	2.7
32	1a	1274	G	2.7
32	2a	1057	G	2.7

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Mol	Chain	Res	Type	RSRZ
1	2A	8	A	2.7
7	2H	59	ARG	2.7
13	2R	68	ARG	2.7
32	1a	994	A	2.7
32	2a	532	A	2.7
38	1g	3	ARG	2.7
53	1v	15	A	2.7
33	1b	16	HIS	2.7
35	2d	123	HIS	2.7
44	1m	68	GLY	2.7
47	1p	16	HIS	2.7
33	1b	214	ILE	2.7
45	2n	7	ILE	2.7
1	1A	2897	U	2.6
32	1a	65	U	2.6
33	1b	93	VAL	2.6
37	1f	90	VAL	2.6
6	2G	3	LEU	2.6
9	1N	8	GLN	2.6
33	2b	234	PRO	2.6
40	1i	102	LEU	2.6
26	24	52	THR	2.6
45	1n	29	ARG	2.6
1	1A	1053	C	2.6
32	1a	1214	C	2.6
32	2a	1045	C	2.6
33	2b	38	GLY	2.6
40	2i	100	GLY	2.6
41	2j	52	GLY	2.6
47	1p	10	GLY	2.6
32	2a	978	A	2.6
32	2a	1180	A	2.6
1	1A	2192	G	2.6
32	1a	1058	G	2.6
32	2a	1030(C)	G	2.6
32	2a	1305	G	2.6
33	2b	9	GLU	2.6
34	2c	184	TYR	2.6
42	2k	75	TYR	2.6
34	2c	4	LYS	2.6
6	1G	82	LEU	2.6
34	2c	106	VAL	2.6

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Mol	Chain	Res	Type	RSRZ
33	2b	232	PRO	2.6
34	2c	170	GLN	2.6
41	1j	40	LEU	2.6
6	2G	73	ALA	2.6
6	2G	158	ALA	2.6
8	1I	46	ALA	2.6
12	2Q	65	PHE	2.6
33	1b	105	PHE	2.6
35	1d	149	ALA	2.6
40	2i	13	ALA	2.6
6	1G	115	ARG	2.6
33	2b	130	ARG	2.6
38	1g	115	ARG	2.6
44	1m	102	ARG	2.6
43	1l	6	THR	2.6
35	2d	23	GLY	2.6
33	1b	192	SER	2.6
34	1c	77	ILE	2.6
34	2c	134	ILE	2.6
45	2n	46	GLU	2.6
3	1D	275	LYS	2.6
9	2N	118	LYS	2.6
26	24	25	TYR	2.6
32	1a	218	C	2.6
32	1a	1045	C	2.6
32	2a	995	C	2.6
33	2b	132	LYS	2.6
36	2e	133	TYR	2.6
6	2G	107	LEU	2.6
8	2I	38	LEU	2.6
32	1a	993	G	2.6
32	2a	1216	G	2.6
32	2a	1272	G	2.6
32	2a	1283	G	2.6
34	1c	86	VAL	2.6
34	2c	68	VAL	2.6
34	2c	75	VAL	2.6
38	2g	59	LEU	2.6
41	1j	72	VAL	2.6
45	1n	33	VAL	2.6
34	2c	104	GLN	2.6
32	2a	1125	U	2.6

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Mol	Chain	Res	Type	RSRZ
8	1I	52	ARG	2.6
40	2i	16	ARG	2.6
44	2m	33	ALA	2.6
33	2b	185	ILE	2.6
35	2d	2	GLY	2.6
14	2S	93	LYS	2.6
50	2s	64	GLU	2.6
8	2I	89	TYR	2.6
38	1g	151	TYR	2.6
20	2Y	107	ASP	2.6
33	2b	189	ASP	2.6
38	1g	33	ASP	2.6
5	2F	169	ASN	2.6
33	2b	145	LEU	2.6
41	2j	71	LEU	2.6
42	2k	103	LEU	2.6
44	1m	96	LEU	2.6
25	23	2	PRO	2.6
33	1b	165	VAL	2.6
32	1a	470	C	2.6
32	2a	989	C	2.6
34	1c	109	PRO	2.6
14	2S	55	ALA	2.6
21	1Z	103	ARG	2.6
34	1c	186	PHE	2.6
34	2c	65	ALA	2.6
34	2c	121	ALA	2.6
38	1g	32	ARG	2.6
40	2i	46	ALA	2.6
40	2i	61	ALA	2.6
45	2n	12	ARG	2.6
45	2n	31	ARG	2.6
52	1u	22	ARG	2.6
1	2A	6	A	2.6
32	1a	152	A	2.6
32	1a	532	A	2.6
33	2b	190	THR	2.6
34	2c	67	THR	2.6
35	1d	89	THR	2.6
1	1A	1026	U	2.6
6	2G	20	ILE	2.6
11	1P	54	GLY	2.6

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Mol	Chain	Res	Type	RSRZ
33	2b	68	ILE	2.6
41	2j	74	ILE	2.6
53	1v	11	U	2.6
1	2A	2319	G	2.6
32	1a	988	G	2.6
32	2a	1131	G	2.6
38	2g	89	MET	2.5
6	2G	100	TRP	2.5
35	2d	9	CYS	2.5
44	1m	86	CYS	2.5
45	1n	34	TYR	2.5
33	1b	118	LEU	2.5
6	2G	142	PRO	2.5
33	1b	125	PRO	2.5
41	2j	17	ASP	2.5
35	1d	17	VAL	2.5
35	1d	112	VAL	2.5
41	1j	34	VAL	2.5
42	1k	117	ASN	2.5
42	2k	14	VAL	2.5
50	1s	65	ASN	2.5
50	1s	37	ARG	2.5
40	2i	43	ALA	2.5
14	2S	35	ILE	2.5
26	24	14	ILE	2.5
34	2c	5	ILE	2.5
34	2c	13	GLY	2.5
34	2c	39	ILE	2.5
40	1i	67	GLY	2.5
52	1u	17	THR	2.5
1	1A	2896	C	2.5
7	2H	175	LYS	2.5
32	2a	1313	U	2.5
44	1m	8	GLU	2.5
44	1m	67	GLU	2.5
6	2G	76	SER	2.5
1	1A	2100	G	2.5
1	2A	2207	G	2.5
32	2a	1011	G	2.5
6	2G	152	LEU	2.5
33	1b	33	TYR	2.5
34	1c	33	LEU	2.5

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Mol	Chain	Res	Type	RSRZ
35	1d	155	LEU	2.5
36	2e	61	TYR	2.5
39	1h	58	TYR	2.5
40	2i	88	TYR	2.5
6	2G	5	VAL	2.5
26	24	35	VAL	2.5
34	2c	21	ARG	2.5
36	1e	82	VAL	2.5
50	2s	45	VAL	2.5
50	2s	59	PRO	2.5
14	2S	61	ASN	2.5
50	2s	74	PHE	2.5
33	2b	88	ALA	2.5
50	2s	69	HIS	2.5
51	1t	97	ALA	2.5
33	1b	41	ILE	2.5
35	1d	158	ILE	2.5
7	2H	5	GLY	2.5
34	1c	90	GLU	2.5
35	1d	156	GLU	2.5
1	1A	652(S)	C	2.5
32	1a	984	C	2.5
32	1a	985	C	2.5
32	1a	1140	C	2.5
32	1a	1452	C	2.5
32	2a	999	C	2.5
32	2a	1137	C	2.5
32	1a	1357	A	2.5
1	2A	1026	U	2.5
33	2b	155	LEU	2.5
34	1c	101	LEU	2.5
50	2s	30	LEU	2.5
50	2s	71	LEU	2.5
35	1d	37	PRO	2.5
6	2G	160	VAL	2.5
26	24	10	VAL	2.5
34	1c	48	TYR	2.5
34	1c	207	VAL	2.5
34	2c	64	VAL	2.5
35	1d	133	VAL	2.5
36	2e	41	VAL	2.5
40	2i	65	VAL	2.5

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Mol	Chain	Res	Type	RSRZ
40	2i	86	VAL	2.5
43	1l	64	TYR	2.5
21	2Z	87	ASP	2.5
33	1b	70	PHE	2.5
33	2b	57	PHE	2.5
7	2H	146	ALA	2.5
34	2c	6	HIS	2.5
35	2d	164	ALA	2.5
40	2i	94	ALA	2.5
1	2A	271(M)	G	2.5
32	2a	1009	G	2.5
32	2a	1042	G	2.5
32	2a	1255	G	2.5
7	2H	4	ILE	2.5
34	2c	77	ILE	2.5
50	2s	31	ILE	2.5
34	1c	67	THR	2.5
14	2S	80	LEU	2.5
21	2Z	5	LEU	2.5
33	2b	138	LEU	2.5
34	2c	204	LEU	2.5
41	1j	30	SER	2.5
11	2P	79	ARG	2.5
14	2S	3	ARG	2.5
14	2S	20	ARG	2.5
33	1b	234	PRO	2.5
33	2b	159	PRO	2.5
35	2d	132	ARG	2.5
33	2b	165	VAL	2.5
36	2e	67	VAL	2.5
42	1k	14	VAL	2.5
44	2m	60	VAL	2.5
50	2s	41	VAL	2.5
1	2A	652(V)	C	2.5
1	2A	896	A	2.5
32	1a	221	C	2.5
32	1a	848	C	2.5
32	1a	990	C	2.5
32	2a	975	A	2.5
35	2d	4	TYR	2.5
40	2i	4	TYR	2.5
53	1v	13	A	2.5

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Mol	Chain	Res	Type	RSRZ
54	2w	189	GLN	2.5
6	2G	147	ASP	2.5
33	2b	123	ALA	2.5
39	1h	28	ALA	2.5
41	1j	55	LYS	2.5
45	2n	4	LYS	2.5
50	1s	32	LYS	2.5
54	1w	102	MET	2.5
26	24	31	ILE	2.5
42	2k	48	ILE	2.5
5	1F	16	GLY	2.5
50	2s	68	GLY	2.5
54	1w	166	GLY	2.5
1	1A	2153	G	2.4
5	2F	161	GLU	2.4
20	2Y	91	GLU	2.4
32	1a	77	G	2.4
32	1a	93	G	2.4
32	1a	104	G	2.4
32	2a	1094	G	2.4
32	2a	1221	G	2.4
40	1i	12	GLU	2.4
51	1t	60	GLU	2.4
40	1i	19	LEU	2.4
26	24	66	SER	2.4
33	2b	167	PRO	2.4
40	2i	120	ARG	2.4
41	1j	35	SER	2.4
41	2j	59	SER	2.4
7	2H	44	VAL	2.4
47	1p	79	VAL	2.4
7	2H	41	MET	2.4
33	2b	17	PHE	2.4
34	2c	72	LYS	2.4
38	1g	89	MET	2.4
47	1p	76	GLN	2.4
40	1i	95	LYS	2.4
50	2s	66	MET	2.4
50	2s	83	HIS	2.4
21	2Z	99	TYR	2.4
33	1b	225	ALA	2.4
40	2i	84	ALA	2.4

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Mol	Chain	Res	Type	RSRZ
41	2j	18	ALA	2.4
44	1m	23	TYR	2.4
45	1n	21	TYR	2.4
7	2H	9	ILE	2.4
33	2b	222	ILE	2.4
35	1d	70	ILE	2.4
38	2g	33	ASP	2.4
41	1j	78	ASN	2.4
1	2A	9	U	2.4
1	2A	362	U	2.4
1	2A	2808	U	2.4
32	1a	203	U	2.4
1	1A	2629	A	2.4
8	1I	90	GLY	2.4
26	24	54	GLY	2.4
32	1a	1137	C	2.4
32	2a	1214	C	2.4
32	2a	1326	C	2.4
35	2d	180	GLY	2.4
34	2c	177	THR	2.4
47	1p	69	THR	2.4
8	2I	99	GLU	2.4
17	2V	93	GLU	2.4
6	1G	139	LEU	2.4
34	1c	34	LEU	2.4
48	2q	98	LEU	2.4
15	2T	93	ARG	2.4
34	2c	114	PRO	2.4
35	1d	172	PRO	2.4
45	2n	35	ARG	2.4
14	2S	31	SER	2.4
8	2I	141	LYS	2.4
17	2V	52	VAL	2.4
26	24	60	GLN	2.4
32	1a	68	G	2.4
32	1a	852	G	2.4
34	1c	97	LYS	2.4
34	2c	66	VAL	2.4
36	1e	10	MET	2.4
37	1f	88	VAL	2.4
44	2m	53	VAL	2.4
47	1p	62	VAL	2.4

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Mol	Chain	Res	Type	RSRZ
17	2V	91	TYR	2.4
33	1b	237	ALA	2.4
33	2b	186	ALA	2.4
34	1c	121	ALA	2.4
36	1e	133	TYR	2.4
40	2i	106	ALA	2.4
50	1s	80	TYR	2.4
54	2w	349	ALA	2.4
33	1b	42	ILE	2.4
45	1n	42	ILE	2.4
6	2G	4	ASP	2.4
40	2i	80	GLY	2.4
32	1a	1020	U	2.4
32	1a	1219	U	2.4
32	2a	969	A	2.4
32	2a	1146	A	2.4
33	1b	98	LEU	2.4
34	2c	178	LEU	2.4
40	2i	85	LEU	2.4
1	1A	885	C	2.4
32	2a	1147	C	2.4
32	2a	1314	C	2.4
14	2S	97	ARG	2.4
41	1j	79	ARG	2.4
43	1l	19	ARG	2.4
51	2t	57	ARG	2.4
35	2d	40	PRO	2.4
44	1m	41	PRO	2.4
50	2s	76	PRO	2.4
34	2c	22	TRP	2.4
3	2D	166	GLN	2.4
7	2H	11	VAL	2.4
21	2Z	96	VAL	2.4
25	23	58	VAL	2.4
33	2b	40	HIS	2.4
35	1d	42	GLN	2.4
35	2d	170	VAL	2.4
50	1s	60	VAL	2.4
6	2G	117	PHE	2.4
34	2c	57	ILE	2.4
34	2c	129	ALA	2.4
35	1d	5	ILE	2.4

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Mol	Chain	Res	Type	RSRZ
35	1d	32	ALA	2.4
35	2d	149	ALA	2.4
41	1j	18	ALA	2.4
45	1n	10	ALA	2.4
48	2q	90	ILE	2.4
51	1t	100	ILE	2.4
54	2w	197	ALA	2.4
41	1j	52	GLY	2.4
44	2m	62	ASN	2.4
44	2m	112	GLY	2.4
1	1A	1106	G	2.4
32	1a	1010	G	2.4
32	1a	1222	G	2.4
32	2a	988	G	2.4
32	2a	998	G	2.4
32	2a	1160	G	2.4
32	2a	1182	G	2.4
33	2b	73	THR	2.4
34	1c	177	THR	2.4
40	2i	64	THR	2.4
21	2Z	33	LEU	2.4
34	1c	111	LEU	2.4
34	2c	34	LEU	2.4
35	1d	108	LEU	2.4
46	2o	31	LEU	2.4
49	2r	62	GLU	2.4
1	1A	9	U	2.4
32	1a	1278	U	2.4
38	1g	79	ARG	2.4
41	2j	66	ARG	2.4
50	1s	36	ARG	2.4
51	1t	22	ARG	2.4
48	1q	28	PRO	2.4
52	2u	23	PRO	2.4
1	1A	1460	A	2.4
1	2A	655	A	2.4
7	2H	35	VAL	2.4
7	2H	76	VAL	2.4
21	2Z	105	VAL	2.4
26	24	33	VAL	2.4
26	24	50	VAL	2.4
32	2a	959	A	2.4

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Mol	Chain	Res	Type	RSRZ
32	2a	983	A	2.4
32	2a	1252	A	2.4
32	2a	1280	A	2.4
33	2b	15	VAL	2.4
34	1c	31	HIS	2.4
34	2c	99	VAL	2.4
34	2c	153	VAL	2.4
40	1i	17	VAL	2.4
45	2n	61	TRP	2.4
26	14	49	PHE	2.4
32	1a	1327	C	2.4
32	2a	990	C	2.4
32	2a	1007	C	2.4
34	2c	144	SER	2.4
54	2w	160	PHE	2.4
26	24	15	ILE	2.4
44	2m	84	ILE	2.4
33	1b	228	GLY	2.4
34	2c	155	GLY	2.4
49	2r	57	GLY	2.4
52	1u	2	GLY	2.4
37	2f	83	ASP	2.4
4	2E	63	LEU	2.3
10	1O	108	GLU	2.3
34	2c	87	LEU	2.3
34	2c	175	LEU	2.3
41	2j	97	GLU	2.3
45	1n	6	LEU	2.3
47	2p	54	GLU	2.3
8	2I	103	ARG	2.3
40	2i	83	ARG	2.3
41	1j	46	ARG	2.3
33	1b	101	MET	2.3
40	2i	78	LYS	2.3
44	1m	27	LYS	2.3
49	2r	61	LYS	2.3
1	1A	2304	G	2.3
32	1a	220	G	2.3
32	1a	1361	G	2.3
32	2a	1295	G	2.3
32	2a	1316	G	2.3
45	2n	54	PRO	2.3

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Mol	Chain	Res	Type	RSRZ
1	1A	2808	U	2.3
32	1a	961	U	2.3
32	2a	1446	U	2.3
34	1c	195	VAL	2.3
46	2o	60	VAL	2.3
47	2p	48	TRP	2.3
8	1I	138	ILE	2.3
15	1T	130	ALA	2.3
33	1b	62	ALA	2.3
33	2b	172	ILE	2.3
34	1c	92	ALA	2.3
40	1i	82	ALA	2.3
46	1o	24	SER	2.3
32	1a	632	A	2.3
32	1a	1306	A	2.3
32	2a	1360	A	2.3
32	2a	1531	A	2.3
33	2b	228	GLY	2.3
44	1m	119	GLY	2.3
1	2A	1532	C	2.3
32	1a	1320	C	2.3
32	2a	1066	C	2.3
32	2a	1244	C	2.3
32	2a	1284	C	2.3
37	2f	63	TYR	2.3
44	2m	21	TYR	2.3
47	1p	39	TYR	2.3
6	2G	145	THR	2.3
21	2Z	155	LEU	2.3
33	2b	67	THR	2.3
40	1i	96	LEU	2.3
42	2k	41	THR	2.3
14	2S	17	ARG	2.3
19	2X	33	LYS	2.3
20	2Y	50	ARG	2.3
33	2b	139	LYS	2.3
51	2t	81	LYS	2.3
40	1i	21	PRO	2.3
41	2j	53	PRO	2.3
41	2j	91	PRO	2.3
7	2H	49	VAL	2.3
26	24	21	VAL	2.3

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Mol	Chain	Res	Type	RSRZ
40	2i	41	VAL	2.3
49	1r	86	VAL	2.3
41	2j	54	PHE	2.3
54	1w	307	PHE	2.3
33	2b	127	ILE	2.3
39	1h	86	ILE	2.3
50	1s	31	ILE	2.3
1	1A	2207	G	2.3
1	2A	1039	G	2.3
1	2A	1169	G	2.3
8	2I	146	ALA	2.3
32	1a	945	G	2.3
32	1a	1143	G	2.3
32	2a	1095	U	2.3
32	2a	1215	G	2.3
34	2c	137	ALA	2.3
44	1m	5	ALA	2.3
48	1q	99	SER	2.3
54	1w	107	ALA	2.3
53	1v	22	U	2.3
35	1d	180	GLY	2.3
6	2G	34	LEU	2.3
14	2S	92	TYR	2.3
1	1A	653	A	2.3
1	2A	2629	A	2.3
21	2Z	34	ASN	2.3
7	2H	25	LYS	2.3
17	2V	19	LYS	2.3
21	2Z	148	ASP	2.3
32	1a	383	A	2.3
33	2b	20	GLU	2.3
33	2b	35	GLU	2.3
34	2c	11	ARG	2.3
35	2d	22	LYS	2.3
42	2k	122	LYS	2.3
46	1o	22	THR	2.3
50	1s	79	THR	2.3
26	24	55	ARG	2.3
35	2d	159	ARG	2.3
51	1t	80	ARG	2.3
54	2w	102	MET	2.3
2	2B	62	C	2.3

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Mol	Chain	Res	Type	RSRZ
32	1a	92	C	2.3
32	1a	456	C	2.3
33	1b	40	HIS	2.3
47	1p	13	HIS	2.3
20	2Y	72	VAL	2.3
33	1b	15	VAL	2.3
42	2k	47	VAL	2.3
6	2G	102	PHE	2.3
33	1b	68	ILE	2.3
33	1b	123	ALA	2.3
49	2r	60	ALA	2.3
51	2t	97	ALA	2.3
54	2w	205	ALA	2.3
33	2b	150	SER	2.3
41	1j	93	GLY	2.3
43	1l	63	GLY	2.3
50	1s	8	GLY	2.3
7	2H	103	LEU	2.3
8	2I	101	LEU	2.3
34	1c	175	LEU	2.3
35	1d	162	LEU	2.3
38	2g	124	LEU	2.3
41	1j	80	LYS	2.3
4	2E	58	ARG	2.3
8	1I	10	GLU	2.3
8	1I	41	GLU	2.3
26	24	63	TYR	2.3
28	26	44	ARG	2.3
35	1d	150	GLU	2.3
38	2g	28	ASN	2.3
39	2h	48	TYR	2.3
41	1j	87	THR	2.3
41	2j	61	GLU	2.3
50	1s	61	TYR	2.3
32	1a	350	G	2.3
32	1a	476	G	2.3
32	1a	1133	G	2.3
32	2a	973	G	2.3
32	2a	1047	G	2.3
52	2u	15	ARG	2.3
40	2i	49	PRO	2.3
41	1j	39	PRO	2.3

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Mol	Chain	Res	Type	RSRZ
44	2m	10	PRO	2.3
32	1a	1261	A	2.3
32	2a	1285	A	2.3
34	1c	69	HIS	2.3
7	2H	17	VAL	2.3
7	2H	169	VAL	2.3
8	2I	127	VAL	2.3
36	1e	69	VAL	2.3
38	2g	9	VAL	2.3
39	2h	137	VAL	2.3
40	2i	44	VAL	2.3
1	1A	1532	C	2.3
6	2G	39	ILE	2.3
32	1a	63	C	2.3
32	1a	436	C	2.3
44	2m	25	ILE	2.3
34	2c	117	ALA	2.3
38	1g	83	ALA	2.3
41	1j	26	ALA	2.3
41	2j	32	ALA	2.3
51	1t	49	ALA	2.3
9	2N	113	GLY	2.3
34	1c	155	GLY	2.3
34	2c	51	GLY	2.3
35	1d	113	SER	2.3
35	1d	208	SER	2.3
36	2e	74	GLY	2.3
40	1i	115	GLY	2.3
44	2m	95	GLY	2.3
52	1u	19	GLY	2.3
54	2w	154	GLY	2.3
33	2b	156	LYS	2.2
40	2i	79	LEU	2.3
40	2i	97	LYS	2.2
44	2m	65	LYS	2.2
45	2n	17	LYS	2.2
45	2n	39	LEU	2.3
49	1r	31	LEU	2.3
50	2s	18	LYS	2.2
8	2I	67	ARG	2.2
34	1c	21	ARG	2.2
36	1e	18	ARG	2.2

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Mol	Chain	Res	Type	RSRZ
52	2u	10	ARG	2.2
52	2u	17	THR	2.2
35	2d	7	PRO	2.2
40	1i	49	PRO	2.2
41	2j	12	ASP	2.2
32	1a	1532	U	2.2
32	2a	1281	U	2.2
45	2n	43	CYS	2.2
5	2F	6	VAL	2.2
6	1G	160	VAL	2.2
32	2a	1174	G	2.2
38	2g	75	VAL	2.2
39	1h	129	VAL	2.2
40	2i	37	PHE	2.2
32	2a	1041	A	2.2
32	2a	1044	A	2.2
32	2a	1250	A	2.2
38	2g	150	ALA	2.2
40	2i	45	ALA	2.2
6	1G	84	LYS	2.2
38	2g	70	LYS	2.2
8	2I	35	LEU	2.2
41	1j	65	LEU	2.2
45	1n	38	GLY	2.2
45	1n	47	LEU	2.2
46	1o	23	GLY	2.2
46	2o	20	GLY	2.2
1	1A	1104	C	2.2
32	1a	1223	C	2.2
32	2a	932	C	2.2
32	2a	980	C	2.2
32	2a	1054	C	2.2
32	2a	1113	C	2.2
32	2a	1116	C	2.2
4	1E	61	ARG	2.2
6	2G	115	ARG	2.2
19	2X	65	ARG	2.2
33	2b	192	SER	2.2
38	2g	10	ARG	2.2
45	2n	32	SER	2.2
49	1r	87	ARG	2.2
14	2S	64	GLU	2.2

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Mol	Chain	Res	Type	RSRZ
33	1b	128	GLU	2.2
7	2H	21	PRO	2.2
44	1m	49	THR	2.2
34	2c	29	TYR	2.2
8	2I	144	VAL	2.2
27	15	60	VAL	2.2
32	2a	1083	U	2.2
32	2a	1091	U	2.2
42	2k	119	CYS	2.2
35	2d	104	VAL	2.2
42	2k	114	VAL	2.2
6	2G	101	ILE	2.2
33	2b	41	ILE	2.2
39	2h	109	ILE	2.2
7	2H	20	ALA	2.2
8	1I	87	LYS	2.2
35	1d	22	LYS	2.2
35	1d	147	ALA	2.2
43	1l	91	LYS	2.2
44	2m	18	ALA	2.2
49	2r	24	ALA	2.2
51	1t	74	LYS	2.2
33	1b	24	TRP	2.2
33	2b	24	TRP	2.2
6	1G	44	GLY	2.2
11	1P	69	GLY	2.2
36	2e	97	GLY	2.2
39	1h	96	GLY	2.2
41	1j	85	LEU	2.2
45	1n	51	GLY	2.2
45	2n	47	LEU	2.2
1	1A	652(C)	G	2.2
1	1A	1047	G	2.2
1	1A	878	A	2.2
7	2H	170	ARG	2.2
15	2T	111	ARG	2.2
15	2T	129	ARG	2.2
29	27	23	ARG	2.2
32	1a	111	G	2.2
32	1a	1047	G	2.2
32	2a	1084	G	2.2
32	2a	1089	G	2.2

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Mol	Chain	Res	Type	RSRZ
32	2a	1175	G	2.2
38	2g	3	ARG	2.2
39	2h	84	ARG	2.2
50	1s	3	ARG	2.2
50	2s	78	ARG	2.2
51	1t	8	ARG	2.2
7	2H	47	GLU	2.2
35	2d	150	GLU	2.2
22	10	10	THR	2.2
25	13	2	PRO	2.2
44	2m	103	THR	2.2
49	1r	25	THR	2.2
2	2B	109	C	2.2
32	1a	1147	C	2.2
32	2a	1097	C	2.2
32	2a	1129	C	2.2
32	2a	1234	C	2.2
32	2a	1296	C	2.2
34	2c	108	ASN	2.2
40	1i	62	TYR	2.2
40	2i	117	HIS	2.2
44	1m	21	TYR	2.2
50	2s	61	TYR	2.2
7	2H	115	VAL	2.2
34	1c	99	VAL	2.2
34	2c	28	GLN	2.2
39	2h	19	VAL	2.2
40	1i	41	VAL	2.2
41	1j	44	VAL	2.2
26	14	22	ILE	2.2
35	2d	5	ILE	2.2
41	1j	54	PHE	2.2
47	1p	19	ILE	2.2
24	22	8	LYS	2.2
1	1A	1105	U	2.2
1	2A	271(L)	U	2.2
1	2A	2098	U	2.2
34	1c	50	ALA	2.2
37	2f	49	ALA	2.2
38	2g	100	ALA	2.2
28	26	11	LEU	2.2
34	2c	101	LEU	2.2

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Mol	Chain	Res	Type	RSRZ
38	2g	12	LEU	2.2
5	2F	168	ARG	2.2
6	1G	181	ARG	2.2
33	2b	21	ARG	2.2
38	2g	119	ARG	2.2
40	1i	66	ARG	2.2
41	1j	29	ARG	2.2
41	2j	70	ARG	2.2
45	2n	51	GLY	2.2
48	1q	63	ARG	2.2
26	14	53	GLU	2.2
33	2b	12	GLU	2.2
33	2b	129	GLU	2.2
6	2G	179	PRO	2.2
7	2H	126	PRO	2.2
4	2E	92	THR	2.2
38	2g	24	THR	2.2
41	2j	100	THR	2.2
50	2s	33	THR	2.2
1	1A	1054	A	2.2
1	2A	1847	A	2.2
32	1a	408	A	2.2
32	2a	1123	A	2.2
32	2a	1151	A	2.2
1	1A	2206	G	2.2
7	2H	157	TYR	2.2
22	20	26	TYR	2.2
32	1a	1138	G	2.2
32	2a	1144	G	2.2
32	2a	1178	G	2.2
41	2j	62	HIS	2.2
35	2d	38	TYR	2.2
35	2d	68	TYR	2.2
42	2k	117	ASN	2.2
52	2u	21	TYR	2.2
6	2G	140	ILE	2.2
8	2I	109	ILE	2.2
21	2Z	56	VAL	2.2
36	2e	109	ILE	2.2
37	2f	97	PHE	2.2
38	1g	56	GLN	2.2
38	2g	23	VAL	2.2

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Mol	Chain	Res	Type	RSRZ
39	1h	70	GLN	2.2
45	2n	16	PHE	2.2
50	2s	40	ILE	2.2
1	2A	1038	C	2.2
2	2B	5	C	2.2
32	1a	72	C	2.2
32	1a	1059	C	2.2
32	2a	848	C	2.2
32	2a	1140	C	2.2
32	2a	1254	C	2.2
43	2l	46	LYS	2.2
54	2w	138	MET	2.2
6	2G	57	ALA	2.2
33	1b	13	ALA	2.2
40	2i	55	ALA	2.2
44	2m	42	ALA	2.2
7	1H	59	ARG	2.2
26	24	58	ARG	2.2
33	1b	209	ARG	2.2
34	2c	127	ARG	2.2
41	2j	5	ARG	2.2
41	2j	51	ARG	2.2
50	2s	46	GLY	2.2
1	1A	2099	U	2.1
32	1a	1148	U	2.1
32	2a	1159	U	2.1
55	2x	49	U	2.1
7	2H	55	PRO	2.1
33	1b	12	GLU	2.1
39	1h	115	SER	2.1
51	2t	37	SER	2.1
42	2k	87	THR	2.1
47	2p	16	HIS	2.1
21	2Z	38	TYR	2.1
34	2c	23	TYR	2.1
35	1d	106	TYR	2.1
47	2p	38	TYR	2.1
6	2G	15	VAL	2.1
8	2I	136	VAL	2.1
21	2Z	90	VAL	2.1
21	2Z	126	VAL	2.1
33	1b	22	LYS	2.1

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Mol	Chain	Res	Type	RSRZ
33	1b	136	VAL	2.1
33	1b	163	PHE	2.1
34	2c	203	PHE	2.1
35	1d	140	VAL	2.1
36	1e	72	GLN	2.1
38	2g	87	VAL	2.1
40	2i	101	PHE	2.1
41	2j	82	ILE	2.1
45	2n	37	PHE	2.1
48	1q	73	VAL	2.1
1	1A	2305	A	2.1
1	2A	1508	A	2.1
2	2B	52	A	2.1
32	1a	1014	A	2.1
32	1a	1015	A	2.1
32	1a	1111	A	2.1
32	1a	1287	A	2.1
32	2a	1183	A	2.1
32	2a	1299	A	2.1
33	1b	83	MET	2.1
7	2H	98	LEU	2.1
32	1a	200	G	2.1
32	1a	1131	G	2.1
32	2a	953	G	2.1
32	2a	1010	G	2.1
33	1b	221	LEU	2.1
39	1h	2	LEU	2.1
42	2k	66	LEU	2.1
6	2G	46	ALA	2.1
21	2Z	173	ALA	2.1
35	2d	50	ARG	2.1
35	2d	73	ARG	2.1
36	2e	18	ARG	2.1
45	2n	45	ARG	2.1
46	1o	72	ARG	2.1
7	2H	174	GLY	2.1
40	2i	68	GLY	2.1
42	2k	17	GLY	2.1
32	1a	150	C	2.1
32	2a	1060	C	2.1
32	2a	1112	C	2.1
32	2a	1282	C	2.1

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Mol	Chain	Res	Type	RSRZ
32	2a	1303	C	2.1
4	2E	87	GLU	2.1
6	1G	35	GLU	2.1
33	2b	202	PRO	2.1
51	2t	98	PRO	2.1
1	2A	614(A)	U	2.1
21	2Z	153	SER	2.1
54	2w	170	THR	2.1
3	2D	106	ILE	2.1
9	2N	45	ASN	2.1
38	2g	131	LYS	2.1
42	1k	51	LYS	2.1
50	2s	7	LYS	2.1
50	2s	70	LYS	2.1
26	24	5	ILE	2.1
34	1c	57	ILE	2.1
34	1c	182	ILE	2.1
34	2c	37	GLN	2.1
35	2d	20	TYR	2.1
35	2d	160	GLN	2.1
40	2i	114	TYR	2.1
40	2i	124	GLN	2.1
50	1s	74	PHE	2.1
54	2w	323	ASP	2.1
33	2b	61	LEU	2.1
34	1c	188	LEU	2.1
39	2h	63	LEU	2.1
42	1k	103	LEU	2.1
11	1P	120	ALA	2.1
26	24	68	ARG	2.1
34	1c	61	ALA	2.1
35	1d	10	ARG	2.1
38	1g	121	ALA	2.1
39	2h	110	ALA	2.1
41	1j	66	ARG	2.1
51	1t	17	ARG	2.1
51	2t	52	ALA	2.1
54	2w	298	ARG	2.1
1	1A	1045	A	2.1
1	2A	1142(A)	A	2.1
19	2X	94	GLY	2.1
32	1a	1279	A	2.1

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Mol	Chain	Res	Type	RSRZ
32	2a	986	A	2.1
32	2a	1015	A	2.1
32	2a	1101	A	2.1
1	2A	530	G	2.1
7	2H	127	GLU	2.1
34	1c	22	TRP	2.1
32	1a	64	G	2.1
32	1a	998	G	2.1
32	2a	976	G	2.1
32	2a	1133	G	2.1
43	2l	94	PRO	2.1
32	2a	1096	C	2.1
32	2a	1161	C	2.1
6	1G	182	LYS	2.1
41	1j	100	THR	2.1
35	1d	152	SER	2.1
19	2X	1	MET	2.1
26	14	14	ILE	2.1
26	14	46	GLN	2.1
34	1c	134	ILE	2.1
33	1b	152	PHE	2.1
34	2c	173	VAL	2.1
35	2d	8	VAL	2.1
36	2e	118	ILE	2.1
38	2g	30	ILE	2.1
34	2c	181	ASN	2.1
40	1i	44	VAL	2.1
40	2i	108	VAL	2.1
41	2j	24	VAL	2.1
44	2m	101	GLN	2.1
45	2n	56	VAL	2.1
48	2q	35	VAL	2.1
26	14	32	TYR	2.1
34	2c	201	TYR	2.1
37	2f	59	TYR	2.1
39	2h	94	TYR	2.1
6	2G	111	LEU	2.1
33	1b	10	LEU	2.1
33	2b	121	LEU	2.1
34	1c	43	LEU	2.1
35	1d	94	LEU	2.1
36	1e	31	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
37	2f	19	LEU	2.1
50	2s	5	LEU	2.1
8	2I	57	ARG	2.1
10	1O	97	ARG	2.1
34	2c	180	ALA	2.1
45	1n	20	ALA	2.1
45	2n	41	ARG	2.1
10	1O	110	GLY	2.1
33	1b	65	GLY	2.1
26	14	18	CYS	2.1
6	2G	30	GLU	2.1
20	2Y	66	PRO	2.1
24	12	12	GLU	2.1
33	1b	131	PRO	2.1
34	2c	73	PRO	2.1
35	1d	189	PRO	2.1
38	1g	14	PRO	2.1
41	1j	83	GLU	2.1
44	2m	73	GLU	2.1
50	2s	42	PRO	2.1
32	1a	349	A	2.1
32	1a	461	A	2.1
32	1a	1046	A	2.1
32	2a	1176	A	2.1
32	2a	1248	A	2.1
50	1s	47	HIS	2.1
5	2F	135	LYS	2.1
20	2Y	81	LYS	2.1
24	12	15	LYS	2.1
41	1j	7	LYS	2.1
45	1n	15	LYS	2.1
50	2s	63	THR	2.1
41	1j	96	ILE	2.1
1	1A	363	G	2.1
1	1A	892	G	2.1
2	2B	19	G	2.1
6	1G	149	VAL	2.1
8	2I	81	VAL	2.1
9	2N	69	GLN	2.1
32	1a	159	G	2.1
32	1a	976	G	2.1
32	1a	1011	G	2.1

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Mol	Chain	Res	Type	RSRZ
32	1a	1186	G	2.1
32	1a	1202	G	2.1
32	1a	1356	G	2.1
32	2a	947	G	2.1
32	2a	1184	G	2.1
32	2a	1276	G	2.1
33	2b	122	PHE	2.1
34	2c	186	PHE	2.1
39	2h	31	PHE	2.1
41	2j	33	GLN	2.1
44	1m	45	VAL	2.1
45	2n	25	VAL	2.1
1	2A	897	C	2.1
1	2A	1040	C	2.1
6	2G	12	TYR	2.1
32	1a	1019	C	2.1
32	1a	1051	C	2.1
32	1a	1354	C	2.1
32	2a	970	C	2.1
32	2a	1260	C	2.1
32	2a	1452	C	2.1
33	1b	115	LEU	2.1
35	1d	176	LEU	2.1
44	1m	48	LEU	2.1
44	1m	81	LEU	2.1
47	1p	74	LEU	2.1
49	2r	51	LEU	2.1
50	2s	65	ASN	2.1
6	2G	9	ARG	2.1
26	14	58	ARG	2.1
27	25	15	ARG	2.1
32	2a	204	U	2.1
32	2a	1122	U	2.1
35	1d	4	TYR	2.1
40	1i	36	TYR	2.1
41	2j	89	ASP	2.1
44	1m	16	ASP	2.1
47	1p	38	TYR	2.1
33	2b	144	ARG	2.1
38	2g	79	ARG	2.1
40	2i	20	ARG	2.1
44	1m	44	ARG	2.1

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Mol	Chain	Res	Type	RSRZ
47	1p	47	ASP	2.1
8	2I	94	ALA	2.1
34	1c	113	ALA	2.1
45	2n	20	ALA	2.1
47	1p	70	ALA	2.1
33	1b	89	GLY	2.1
33	2b	99	GLY	2.1
34	2c	80	GLY	2.1
35	2d	16	GLY	2.1
39	2h	71	GLY	2.1
51	1t	101	GLY	2.1
47	1p	41	PRO	2.0
9	2N	10	GLU	2.0
15	2T	128	GLU	2.0
41	2j	64	GLU	2.0
8	2I	95	LYS	2.0
50	1s	70	LYS	2.0
40	2i	27	THR	2.0
8	2I	79	ILE	2.0
44	2m	22	ILE	2.0
7	2H	19	VAL	2.0
7	2H	84	SER	2.0
7	2H	110	SER	2.0
7	2H	131	VAL	2.0
14	2S	29	PHE	2.0
32	1a	975	A	2.0
32	1a	1319	A	2.0
33	1b	210	SER	2.0
33	2b	81	VAL	2.0
33	2b	95	GLN	2.0
40	1i	18	PHE	2.0
41	1j	49	VAL	2.0
8	1I	77	LEU	2.0
19	2X	9	LEU	2.0
21	2Z	102	LEU	2.0
33	2b	98	LEU	2.0
33	2b	196	LEU	2.0
44	2m	81	LEU	2.0
44	2m	90	LEU	2.0
7	2H	23	ARG	2.0
7	2H	132	ARG	2.0
31	29	22	ARG	2.0

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Mol	Chain	Res	Type	RSRZ
34	2c	3	ASN	2.0
38	1g	28	ASN	2.0
51	2t	9	ASN	2.0
4	1E	151	TYR	2.0
5	2F	23	ASP	2.0
7	2H	83	TYR	2.0
21	2Z	93	ASP	2.0
34	2c	56	ASP	2.0
35	1d	20	TYR	2.0
37	2f	4	TYR	2.0
38	2g	154	TYR	2.0
41	2j	73	ASP	2.0
33	2b	29	ALA	2.0
7	2H	120	GLY	2.0
11	2P	109	GLY	2.0
32	1a	438	G	2.0
32	1a	1212	U	2.0
32	1a	1220	G	2.0
32	2a	1050	G	2.0
32	2a	1106	G	2.0
32	2a	1202	G	2.0
32	2a	1273	G	2.0
32	2a	1331	G	2.0
34	1c	78	GLY	2.0
34	1c	81	GLY	2.0
34	1c	158	GLY	2.0
34	1c	197	GLY	2.0
38	2g	34	GLY	2.0
40	1i	72	GLY	2.0
44	1m	95	GLY	2.0
50	2s	26	GLY	2.0
53	2v	22	U	2.0
32	1a	1008	C	2.0
32	2a	1388	C	2.0
55	2x	44	C	2.0
7	2H	118	PRO	2.0
33	2b	194	PRO	2.0
37	2f	68	PRO	2.0
33	2b	113	HIS	2.0
36	2e	50	GLU	2.0
45	2n	50	LYS	2.0
38	2g	103	TRP	2.0

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Mol	Chain	Res	Type	RSRZ
33	2b	47	THR	2.0
33	2b	201	ILE	2.0
49	2r	69	THR	2.0
8	1I	136	VAL	2.0
9	2N	5	VAL	2.0
9	2N	140	VAL	2.0
14	2S	54	LEU	2.0
33	2b	55	PHE	2.0
33	2b	229	VAL	2.0
34	2c	115	LEU	2.0
36	2e	33	VAL	2.0
37	2f	14	LEU	2.0
38	2g	22	LEU	2.0
43	1l	32	PHE	2.0
33	2b	124	SER	2.0
34	1c	79	ARG	2.0
34	2c	112	SER	2.0
39	2h	12	ARG	2.0
51	2t	11	SER	2.0
1	1A	278	A	2.0
8	1I	65	ALA	2.0
11	2P	120	ALA	2.0
15	2T	130	ALA	2.0
20	2Y	78	ALA	2.0
32	1a	472	A	2.0
32	2a	1269	A	2.0
33	2b	207	ALA	2.0
38	2g	65	ALA	2.0
40	2i	119	ALA	2.0
44	2m	30	ALA	2.0
47	1p	40	ASP	2.0
50	2s	80	TYR	2.0

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	H2U	2x	21	20/21	0.60	0.23	73,85,93,108	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
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
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.