wwPDB X-ray Structure Validation Summary Report (i)

Nov 11, 2024 – 07:52 PM EST

PDB ID	:	9DFE
Title	:	Crystal structure of the wild-type Thermus thermophilus 70S ribosome in complex with lasso peptide lariocidin and protein Y at 2.60A resolution
Authors	:	Aleksandrova, E.V.; Travin, D.Y.; Jangra, M.; Kaur, M.; Darwish, L.; Koteva, K.; Klepacki, D.; Wang, W.; Tiffany, M.; Sokaribo, A.; Coombes, B.K.; Vazquez-Laslop, N.; Wright, G.D.; Mankin, A.S.; Polikanov, Y.S.
Deposited on	:	2024-08-29
Resolution	:	2.60 Å(reported)

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

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

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

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

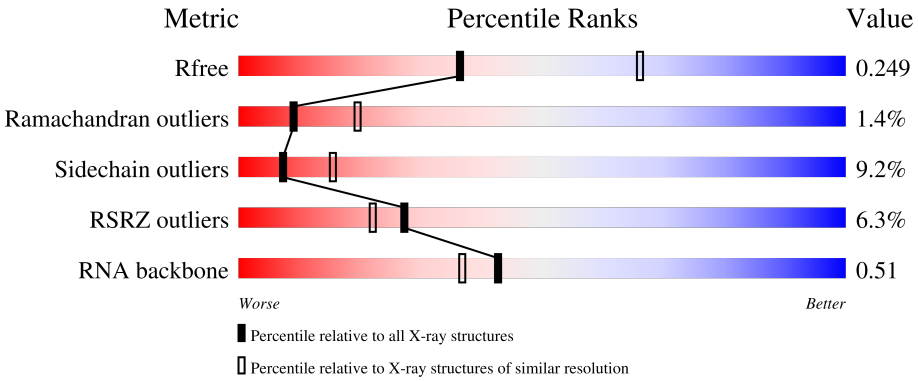
MolProbity	:	4.02b-467
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	1.20.1
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.003 (Gargrove)
Density-Fitness	:	1.0.11
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.39

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 2.60 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	164625	3775 (2.60-2.60)
Ramachandran outliers	177936	4129 (2.60-2.60)
Sidechain outliers	177891	4129 (2.60-2.60)
RSRZ outliers	164620	3775 (2.60-2.60)
RNA backbone	3690	1025 (2.88-2.32)

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

Mol	Chain	Length	Quality of chain
1	1A	2915	7% 62% 31% 6%
1	2A	2915	7% 69% 26%
2	1B	121	2% 74% 23%
2	2B	121	2% 75% 21%

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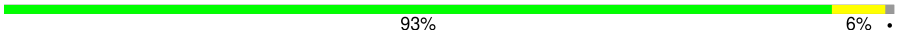
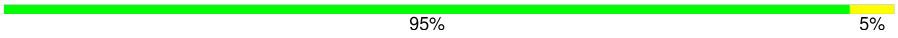
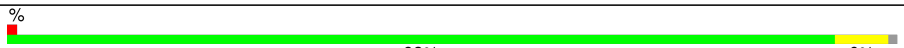
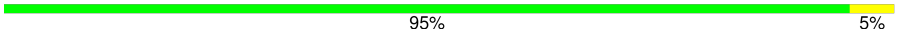
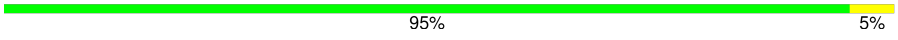
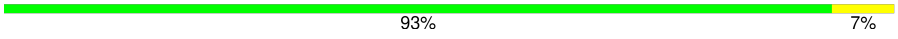
Mol	Chain	Length	Quality of chain
3	1D	276	
3	2D	276	
4	1E	206	
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
7	1H	180	
7	2H	180	
8	1I	148	
8	2I	148	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	150	
11	2P	150	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	112	
14	2S	112	
15	1T	146	

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Mol	Chain	Length	Quality of chain
15	2T	146	2% 84% 5% 10%
16	1U	118	91% 8%
16	2U	118	94%
17	1V	101	94% 5%
17	2V	101	90% 9%
18	1W	113	92% 7%
18	2W	113	94% 5%
19	1X	96	94% 5%
19	2X	96	95%
20	1Y	110	85% 13%
20	2Y	110	9% 86% 11%
21	1Z	206	4% 91% 7%
21	2Z	206	4% 84% 13%
22	10	85	87% 9%
22	20	85	85% 6% 9%
23	11	98	2% 94%
23	21	98	4% 88% 11%
24	12	72	94%
24	22	72	3% 88% 10%
25	13	60	2% 90% 8%
25	23	60	3% 92% 7%
26	14	71	20% 76% 18%
26	24	71	34% 85% 13%
27	15	60	93% 5%
27	25	60	90% 8%

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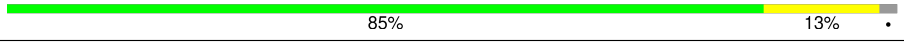
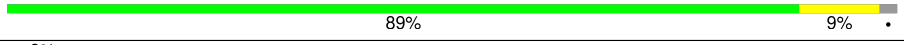
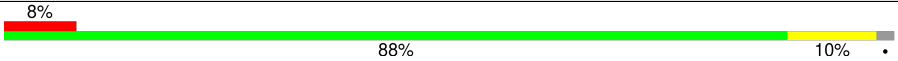
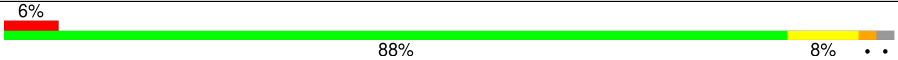
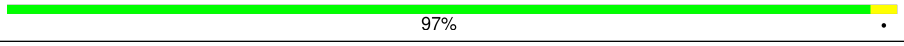
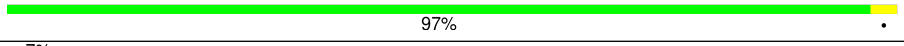
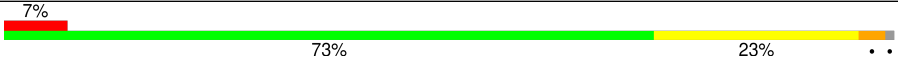
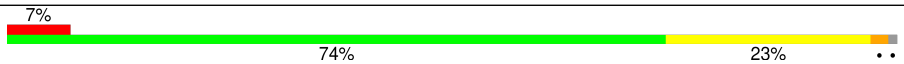
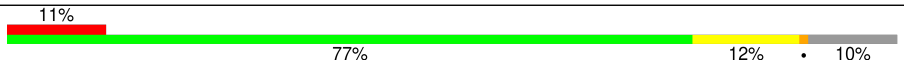
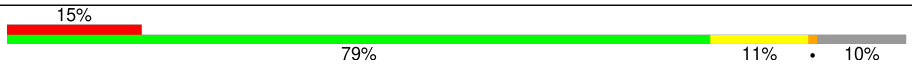
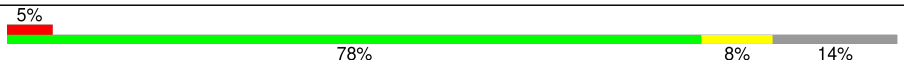
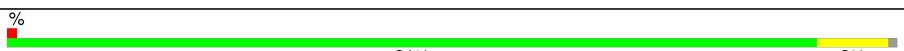
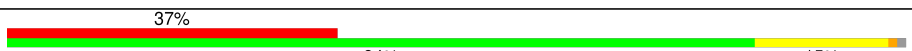
Mol	Chain	Length	Quality of chain
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	
39	2h	138	
40	1i	128	

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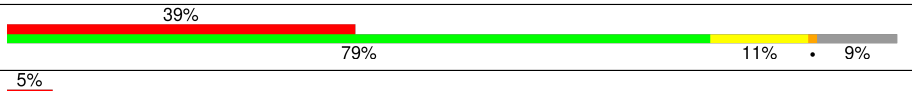
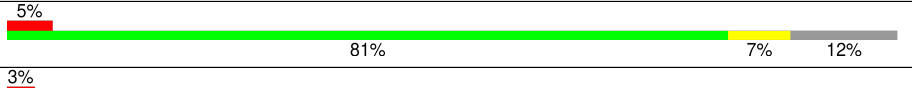
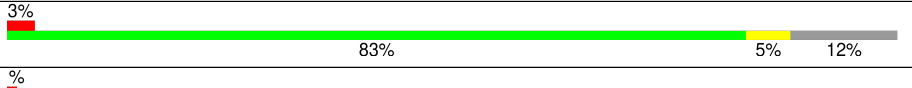
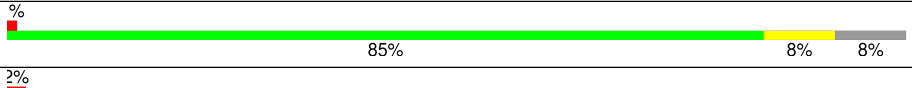
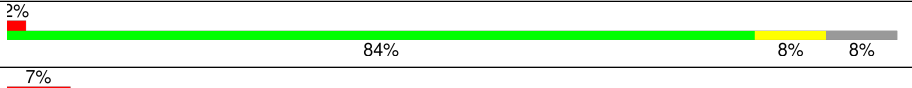
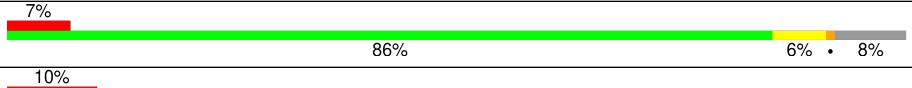
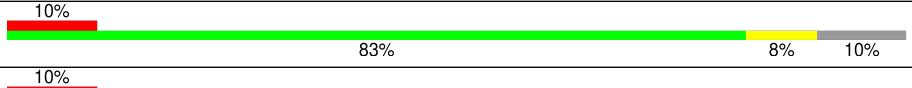
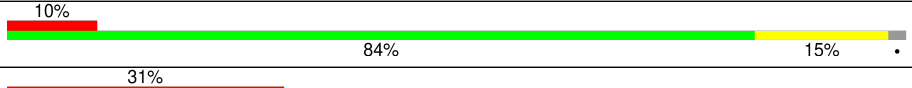
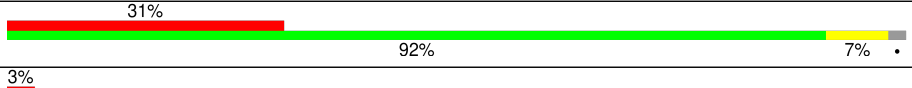
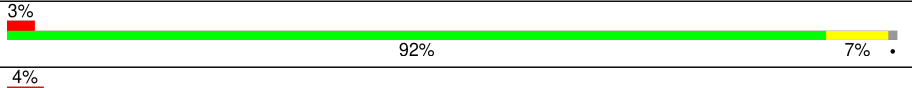
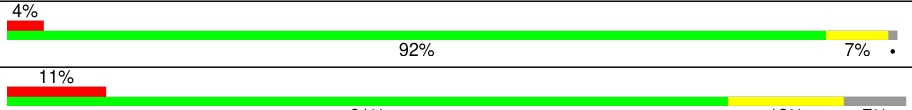
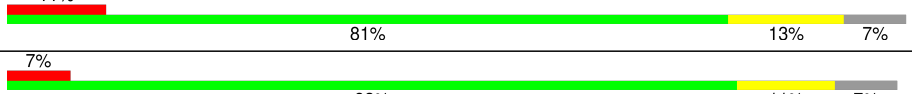
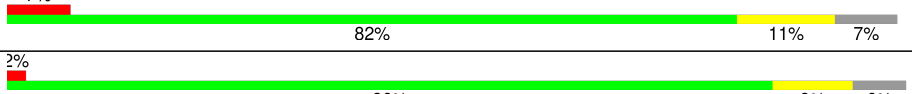
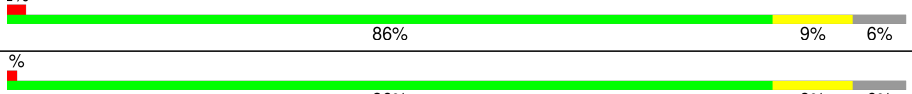
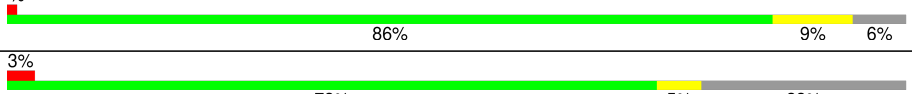
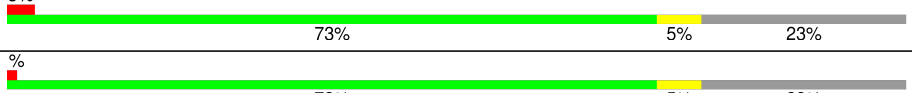
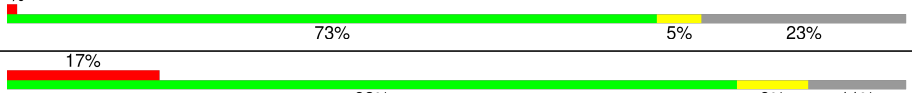
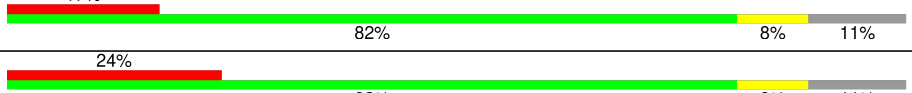
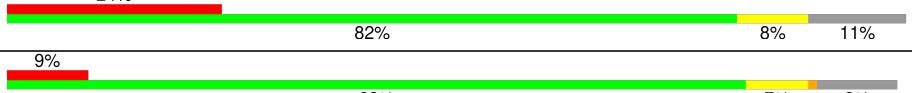
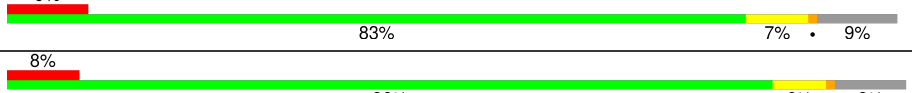
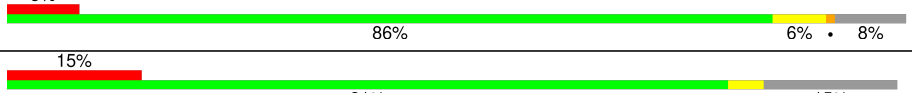
Mol	Chain	Length	Quality of chain
40	2i	128	
41	1j	105	
41	2j	105	
42	1k	129	
42	2k	129	
43	1l	132	
43	2l	132	
44	1m	126	
44	2m	126	
45	1n	61	
45	2n	61	
46	1o	89	
46	2o	89	
47	1p	88	
47	2p	88	
48	1q	105	
48	2q	105	
49	1r	88	
49	2r	88	
50	1s	93	
50	2s	93	
51	1t	106	
51	2t	106	
52	1u	27	
52	2u	27	

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Mol	Chain	Length	Quality of chain
53	1y	113	4% 78% 8% 14%
53	2y	113	11% 79% 6% 15%
54	1z	18	11% 94% 6%
54	2z	18	28% 83% 11% 6%

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
55	MG	1A	3275	-	-	-	X
55	MG	1A	3756	-	-	-	X
55	MG	1a	3003	-	-	-	X
55	MG	1a	3238	-	-	-	X
55	MG	2A	3105	-	-	-	X
55	MG	2A	3639	-	-	-	X

2 Entry composition (i)

There are 60 unique types of molecules in this entry. The entry contains 298738 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61869	27540	11574	19884	2871			
1	2A	2867	Total	C	N	O	P	0	0	0
			61758	27491	11552	19850	2865			

- 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
			2572	1145	476	832	119			
2	2B	120	Total	C	N	O	P	0	0	0
			2573	1146	476	832	119			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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 877	C 553	N 175	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
			775	498	141	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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	116	Total	C	N	O	S	0	0	0
			914	564	189	159	2			
44	2m	114	Total	C	N	O	S	0	0	0
			895	550	186	157	2			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a protein called Ribosome-associated inhibitor A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1y	97	Total 764	C 478	N 144	O 139	S 3	0	0	0
53	2y	96	Total 749	C 468	N 141	O 137	S 3	0	0	0

- Molecule 54 is a protein called Lasso peptide lariocidin.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
54	1z	18	Total 132	C 81	N 29	O 22	0	0	0
54	2z	18	Total 132	C 81	N 29	O 22	0	0	0

- Molecule 55 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1A	1026	Total 1026	Mg 1026	0	0
55	1B	31	Total 31	Mg 31	0	0
55	1D	18	Total 18	Mg 18	0	0
55	1E	9	Total 9	Mg 9	0	0
55	1F	20	Total 20	Mg 20	0	0
55	1G	4	Total 4	Mg 4	0	0
55	1H	2	Total 2	Mg 2	0	0
55	1N	4	Total 4	Mg 4	0	0
55	1O	1	Total 1	Mg 1	0	0
55	1P	5	Total 5	Mg 5	0	0
55	1Q	5	Total 5	Mg 5	0	0
55	1R	5	Total 5	Mg 5	0	0
55	1S	1	Total 1	Mg 1	0	0
55	1T	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	1U	8	Total Mg 8 8	0	0
55	1V	7	Total Mg 7 7	0	0
55	1W	2	Total Mg 2 2	0	0
55	1X	1	Total Mg 1 1	0	0
55	1Y	1	Total Mg 1 1	0	0
55	1Z	1	Total Mg 1 1	0	0
55	10	7	Total Mg 7 7	0	0
55	11	5	Total Mg 5 5	0	0
55	13	3	Total Mg 3 3	0	0
55	15	8	Total Mg 8 8	0	0
55	17	6	Total Mg 6 6	0	0
55	18	1	Total Mg 1 1	0	0
55	19	2	Total Mg 2 2	0	0
55	1a	277	Total Mg 277 277	0	0
55	1b	1	Total Mg 1 1	0	0
55	1d	5	Total Mg 5 5	0	0
55	1e	6	Total Mg 6 6	0	0
55	1f	1	Total Mg 1 1	0	0
55	1g	2	Total Mg 2 2	0	0
55	1h	1	Total Mg 1 1	0	0
55	1i	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	1k	1	Total Mg 1 1	0	0
55	1l	2	Total Mg 2 2	0	0
55	1m	2	Total Mg 2 2	0	0
55	1n	1	Total Mg 1 1	0	0
55	1o	2	Total Mg 2 2	0	0
55	1r	1	Total Mg 1 1	0	0
55	1t	1	Total Mg 1 1	0	0
55	1y	3	Total Mg 3 3	0	0
55	1z	1	Total Mg 1 1	0	0
55	2A	745	Total Mg 745 745	0	0
55	2B	20	Total Mg 20 20	0	0
55	2D	12	Total Mg 12 12	0	0
55	2E	7	Total Mg 7 7	0	0
55	2F	4	Total Mg 4 4	0	0
55	2G	3	Total Mg 3 3	0	0
55	2I	1	Total Mg 1 1	0	0
55	2N	1	Total Mg 1 1	0	0
55	2O	1	Total Mg 1 1	0	0
55	2P	1	Total Mg 1 1	0	0
55	2Q	4	Total Mg 4 4	0	0
55	2R	2	Total Mg 2 2	0	0

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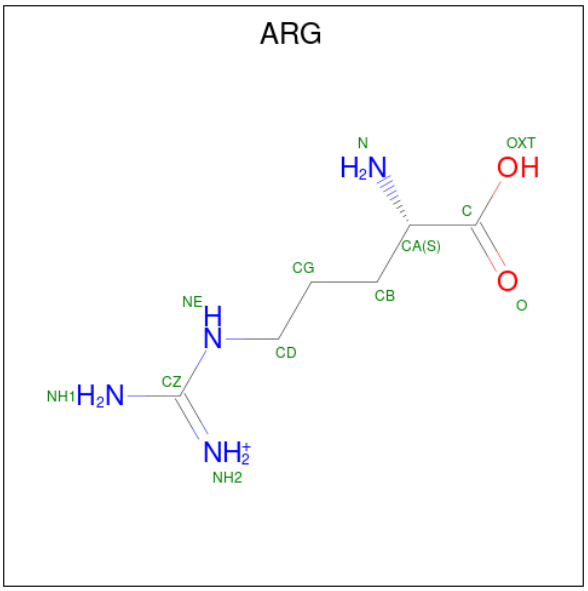
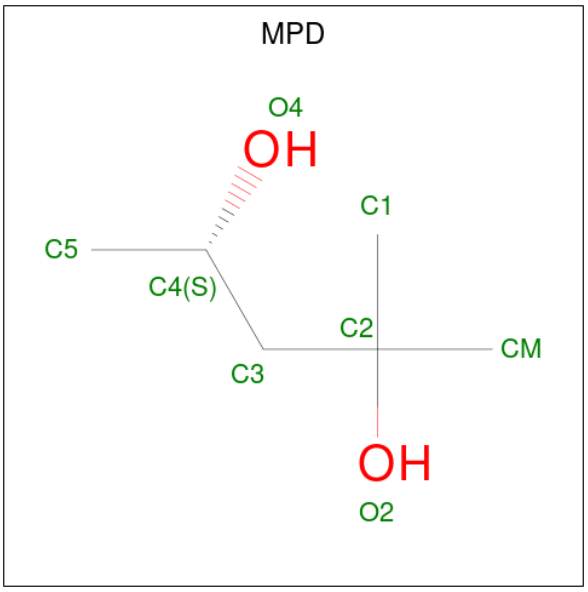
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	2T	4	Total Mg 4 4	0	0
55	2V	3	Total Mg 3 3	0	0
55	2W	3	Total Mg 3 3	0	0
55	20	1	Total Mg 1 1	0	0
55	21	1	Total Mg 1 1	0	0
55	23	2	Total Mg 2 2	0	0
55	25	3	Total Mg 3 3	0	0
55	27	1	Total Mg 1 1	0	0
55	28	2	Total Mg 2 2	0	0
55	2a	193	Total Mg 193 193	0	0
55	2e	1	Total Mg 1 1	0	0
55	2f	1	Total Mg 1 1	0	0
55	2h	1	Total Mg 1 1	0	0
55	2j	1	Total Mg 1 1	0	0
55	2k	1	Total Mg 1 1	0	0
55	2n	1	Total Mg 1 1	0	0
55	2p	1	Total Mg 1 1	0	0
55	2r	1	Total Mg 1 1	0	0
55	2t	1	Total Mg 1 1	0	0
55	2y	1	Total Mg 1 1	0	0

- Molecule 56 is ARGININE (three-letter code: ARG) (formula: $C_6H_{15}N_4O_2$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1B	1	Total C N O 12 6 4 2	0	0

- Molecule 57 is (4S)-2-METHYL-2,4-PENTANEDIOL (three-letter code: MPD) (formula: $C_6H_{14}O_2$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1T	1	Total C O 8 6 2	0	0
57	18	1	Total C O 8 6 2	0	0

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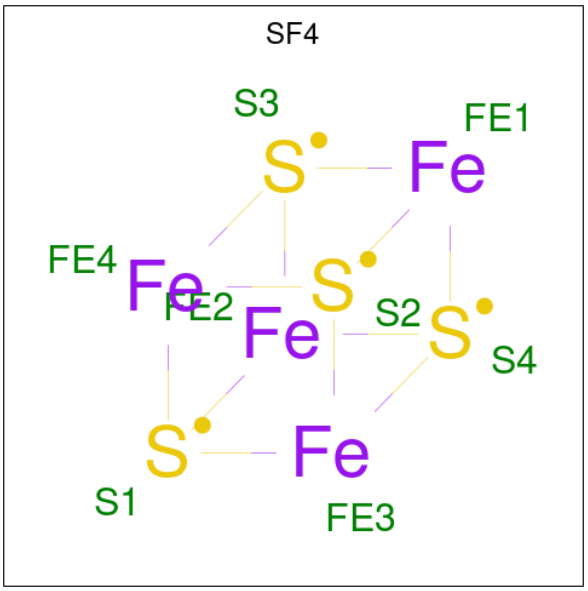
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	2A	1	Total C O 8 6 2	0	0

- Molecule 58 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1Y	1	Total Zn 1 1	0	0
58	14	1	Total Zn 1 1	0	0
58	15	1	Total Zn 1 1	0	0
58	16	1	Total Zn 1 1	0	0
58	19	1	Total Zn 1 1	0	0
58	1n	1	Total Zn 1 1	0	0
58	2Y	1	Total Zn 1 1	0	0
58	24	1	Total Zn 1 1	0	0
58	25	1	Total Zn 1 1	0	0
58	26	1	Total Zn 1 1	0	0
58	29	1	Total Zn 1 1	0	0
58	2n	1	Total Zn 1 1	0	0

- Molecule 59 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe_4S_4).



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

- Molecule 60 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1A	4144	Total O 4144 4144	0	0
60	1B	113	Total O 113 113	0	0
60	1D	128	Total O 128 128	0	0
60	1E	79	Total O 79 79	0	0
60	1F	64	Total O 64 64	0	0
60	1G	22	Total O 22 22	0	0
60	1H	16	Total O 16 16	0	0
60	1I	8	Total O 8 8	0	0
60	1N	55	Total O 55 55	0	0
60	1O	31	Total O 31 31	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1P	64	Total O 64 64	0	0
60	1Q	43	Total O 43 43	0	0
60	1R	34	Total O 34 34	0	0
60	1S	14	Total O 14 14	0	0
60	1T	40	Total O 40 40	0	0
60	1U	47	Total O 47 47	0	0
60	1V	39	Total O 39 39	0	0
60	1W	26	Total O 26 26	0	0
60	1X	24	Total O 24 24	0	0
60	1Y	15	Total O 15 15	0	0
60	1Z	12	Total O 12 12	0	0
60	10	26	Total O 26 26	0	0
60	11	26	Total O 26 26	0	0
60	12	16	Total O 16 16	0	0
60	13	23	Total O 23 23	0	0
60	14	2	Total O 2 2	0	0
60	15	26	Total O 26 26	0	0
60	16	24	Total O 24 24	0	0
60	17	17	Total O 17 17	0	0
60	18	32	Total O 32 32	0	0
60	19	9	Total O 9 9	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1a	606	Total O 606 606	0	0
60	1b	1	Total O 1 1	0	0
60	1d	9	Total O 9 9	0	0
60	1e	5	Total O 5 5	0	0
60	1f	2	Total O 2 2	0	0
60	1g	1	Total O 1 1	0	0
60	1h	1	Total O 1 1	0	0
60	1j	1	Total O 1 1	0	0
60	1l	6	Total O 6 6	0	0
60	1m	2	Total O 2 2	0	0
60	1n	2	Total O 2 2	0	0
60	1o	6	Total O 6 6	0	0
60	1p	2	Total O 2 2	0	0
60	1t	1	Total O 1 1	0	0
60	1u	2	Total O 2 2	0	0
60	1y	7	Total O 7 7	0	0
60	1z	1	Total O 1 1	0	0
60	2A	2652	Total O 2652 2652	0	0
60	2B	72	Total O 72 72	0	0
60	2D	58	Total O 58 58	0	0
60	2E	35	Total O 35 35	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	2F	23	Total O 23 23	0	0
60	2G	8	Total O 8 8	0	0
60	2H	4	Total O 4 4	0	0
60	2I	7	Total O 7 7	0	0
60	2N	7	Total O 7 7	0	0
60	2O	21	Total O 21 21	0	0
60	2P	28	Total O 28 28	0	0
60	2Q	29	Total O 29 29	0	0
60	2R	26	Total O 26 26	0	0
60	2S	8	Total O 8 8	0	0
60	2T	12	Total O 12 12	0	0
60	2U	18	Total O 18 18	0	0
60	2V	6	Total O 6 6	0	0
60	2W	22	Total O 22 22	0	0
60	2X	9	Total O 9 9	0	0
60	2Y	5	Total O 5 5	0	0
60	2Z	15	Total O 15 15	0	0
60	20	17	Total O 17 17	0	0
60	21	22	Total O 22 22	0	0
60	22	5	Total O 5 5	0	0
60	23	3	Total O 3 3	0	0

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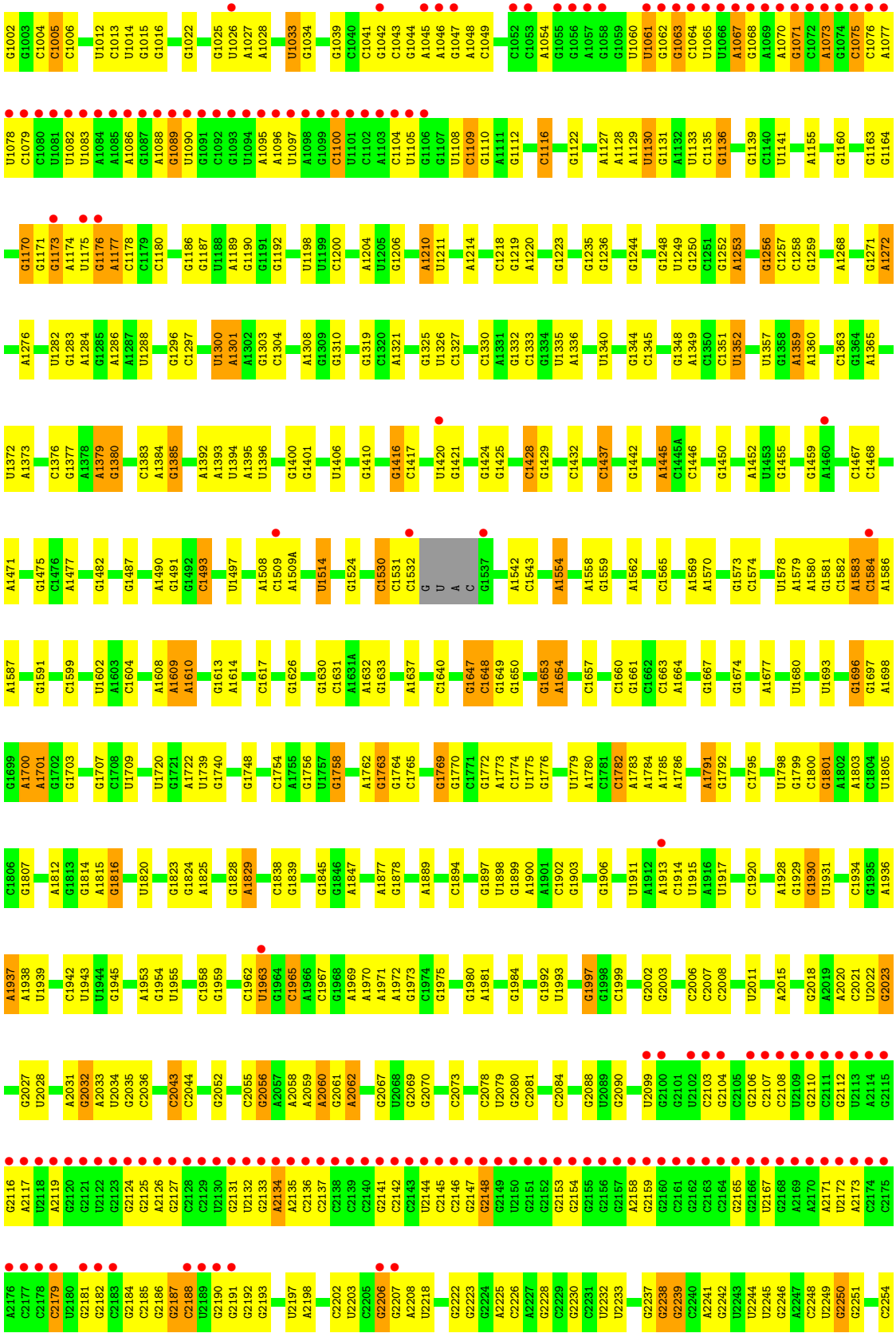
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	24	3	Total O 3 3	0	0
60	25	8	Total O 8 8	0	0
60	26	6	Total O 6 6	0	0
60	27	11	Total O 11 11	0	0
60	28	17	Total O 17 17	0	0
60	29	2	Total O 2 2	0	0
60	2a	465	Total O 465 465	0	0
60	2d	4	Total O 4 4	0	0
60	2e	2	Total O 2 2	0	0
60	2f	1	Total O 1 1	0	0
60	2j	2	Total O 2 2	0	0
60	2l	3	Total O 3 3	0	0
60	2n	1	Total O 1 1	0	0
60	2o	2	Total O 2 2	0	0
60	2p	2	Total O 2 2	0	0
60	2q	1	Total O 1 1	0	0
60	2r	5	Total O 5 5	0	0
60	2t	2	Total O 2 2	0	0
60	2y	6	Total O 6 6	0	0

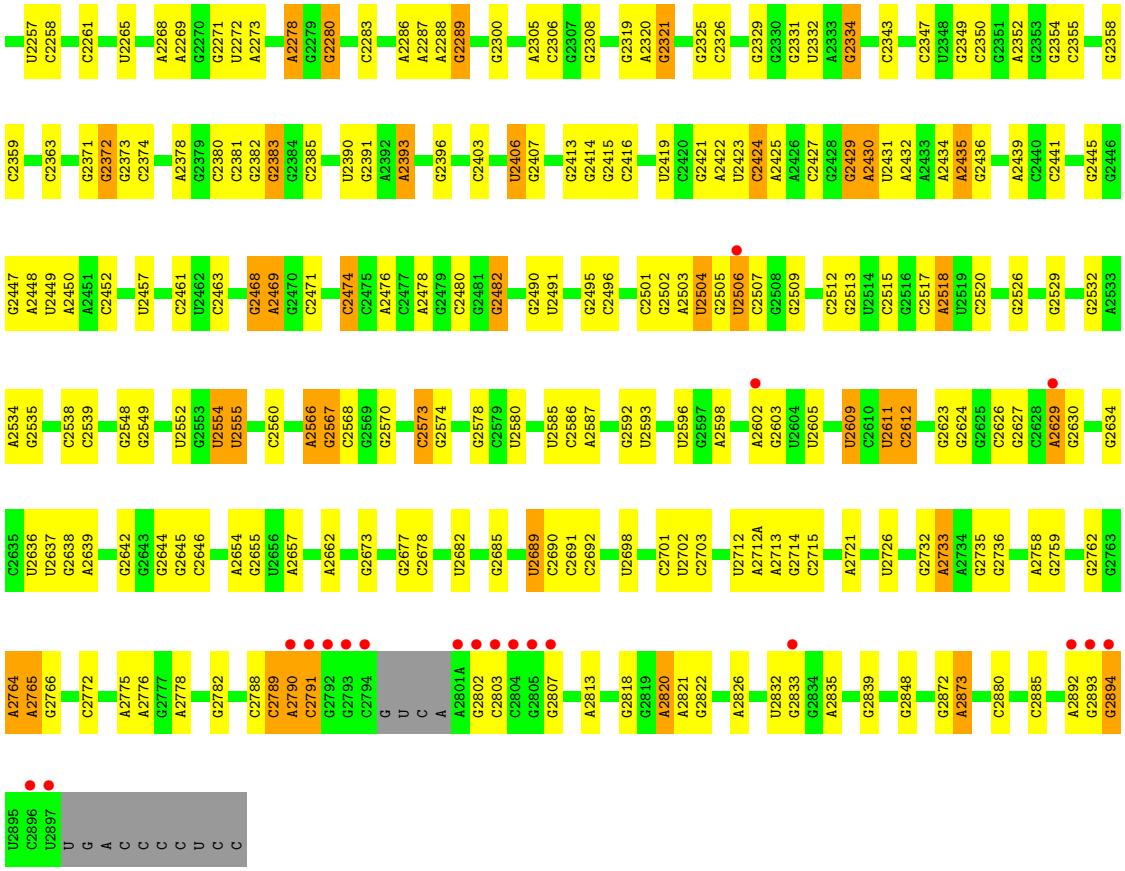
3 Residue-property plots (i)

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

- Molecule 1: 23S Ribosomal RNA

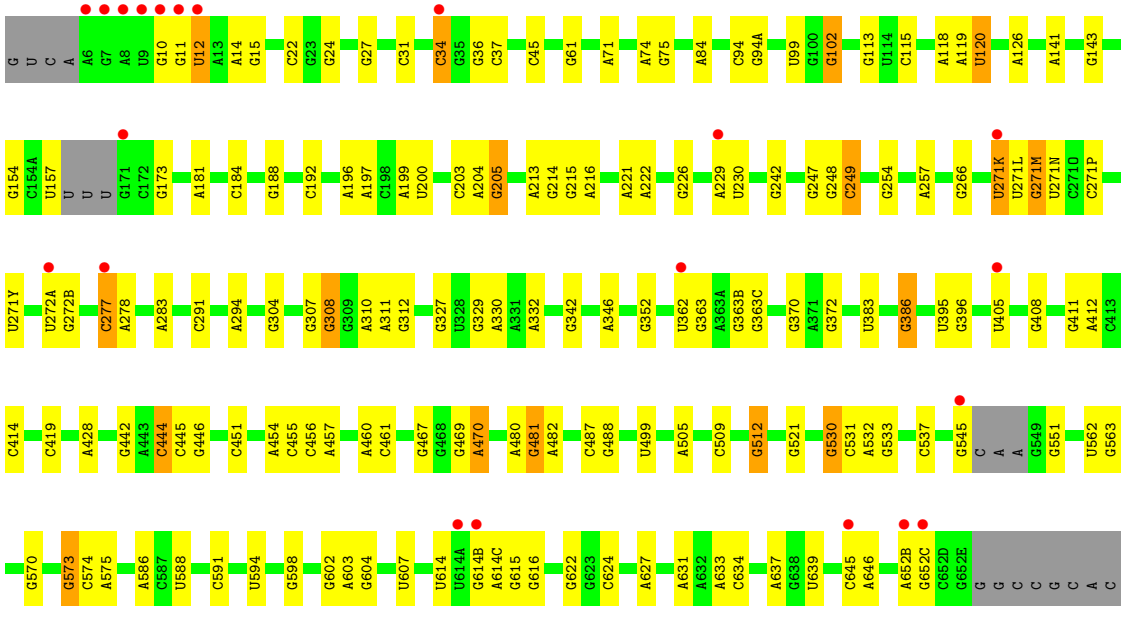
Chain 1A:

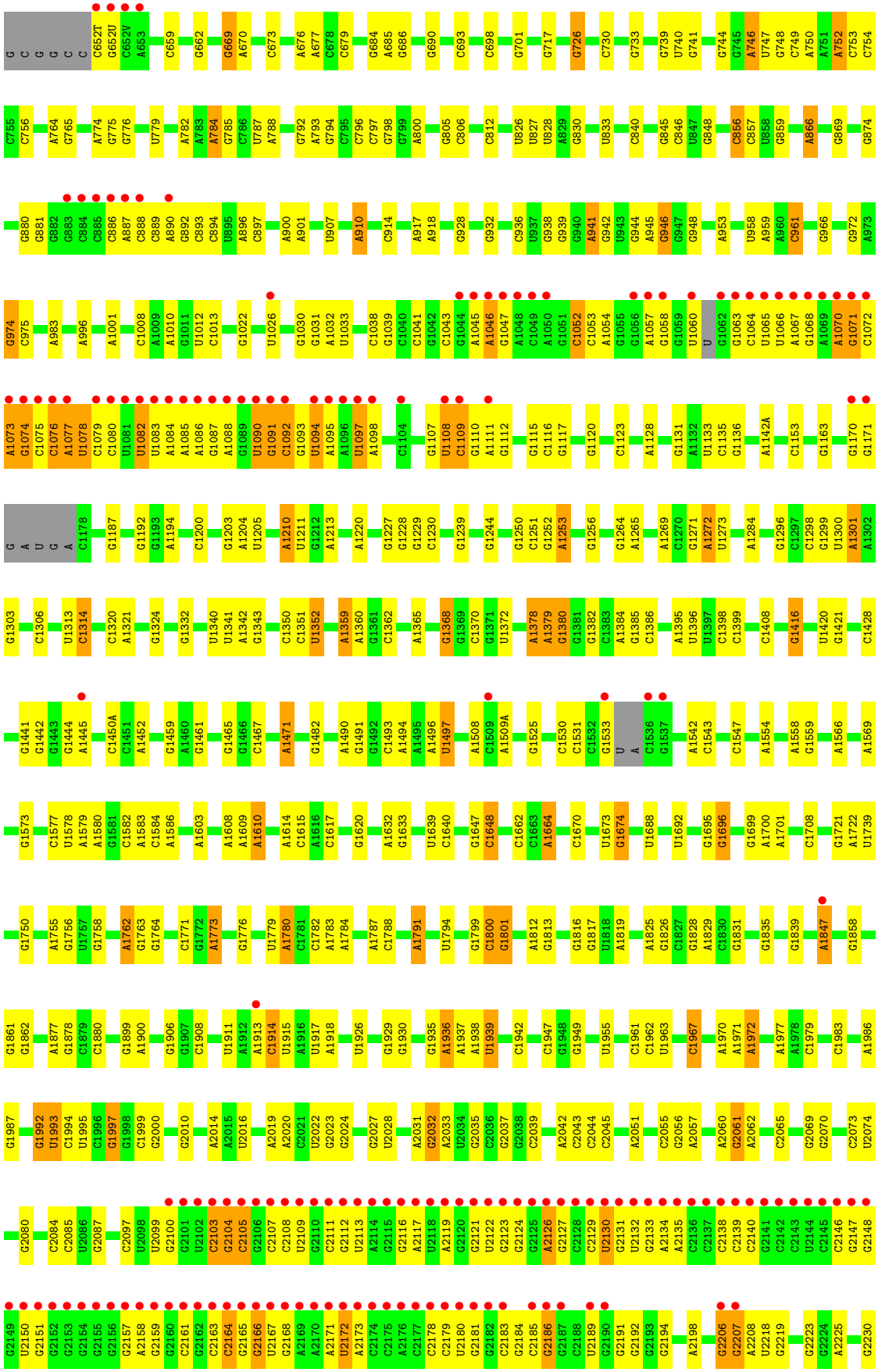

G1002 G1003 C1004 C1005 C1006 U1012 C1013 U1014 G1015 G1016 G1022 G1025 U1026 A1027 A1028 U1033 G1034 G1039 C1040 C1041 G1042 C1043 G1044 A1045 A1046 G1047 A1048 C1049 C1052 C1053 A1054 G1055 C1056 A1057 G1058 G1059 U1060 U1061 G1062 G1063 C1064 U1065 U1066 A1067 G1068 A1069 A1070 G1071 C1072 A1073 G1074 C1075 C1076 A1077
U1078 C1079 C1080 U1081 U1082 U1083 A1084 A1085 A1086 G1087 A1088 G1089 U1090 G1091 C1092 G1093 U1094 A1095 A1096 U1097 A1098 G1099 C1100 U1101 C1102 A1103 C1104 U1105 G1106 G1107 U1108 C1109 G1110 A1111 G1112 C1116 G1122 A1127 A1128 A1129 U1130 G1131 A1132 U1133 C1135 G1136 G1139 C1140 U1141 A1155 G1160 G1163 G1164
G1170 G1171 G1173 A1174 U1175 G1176 A1177 C1178 C1179 C1180 G1186 G1187 U1188 A1189 G1190 C1191 G1192 U1198 U1199 C1200 A1204 U1205 G1206 A1210 U1211 A1214 C1218 G1219 A1220 G1223 G1235 G1236 G1244 G1248 U1249 G1250 C1251 G1252 A1253 G1256 C1257 C1258 G1259 A1268 G1271 A1272
A1276 U1282 G1283 A1284 G1285 A1286 A1287 U1288 G1296 C1297 U1300 A1301 A1302 G1303 C1304 A1308 G1309 G1310 G1319 C1320 A1321 G1325 U1326 C1327 C1330 A1331 G1332 C1333 G1334 U1335 A1336 U1340 G1344 C1345 G1348 A1349 C1350 C1351 U1352 U1357 G1358 A1359 A1360 C1363 G1364 A1365
U1372 A1373 C1376 G1377 A1378 A1379 G1380 C1383 A1384 G1385 A1392 A1393 U1394 A1395 U1396 G1400 G1401 U1406 G1410 G1416 C1417 U1420 G1421 G1424 G1425 C1428 G1429 C1432 C1437 G1442 A1445 C1445A C1446 G1450 A1452 U1453 G1455 G1459 A1460 C1467 C1468
A1471 G1475 C1476 A1477 G1482 G1487 A1490 G1491 G1492 C1493 U1497 A1508 C1509 A1509A U1514 G1524 C1530 C1531 C1532 G U A C G1537 A1542 C1543 A1554 A1558 G1559 A1562 C1565 A1569 A1570 G1573 C1574 U1578 A1579 A1580 G1581 C1582 A1583 C1584 A1586
A1587 G1591 C1599 U1602 A1603 C1604 A1608 A1609 A1610 G1613 A1614 C1617 G1626 G1630 C1631 A1631A A1632 G1633 A1637 C1640 G1647 C1648 G1649 G1650 G1653 A1654 C1657 C1660 G1661 C1662 C1663 A1664 G1667 G1674 A1677 U1680 U1693 G1696 G1697 A1698
G1699 A1700 A1701 G1702 G1703 G1707 C1708 U1709 U1720 G1721 A1722 U1739 G1740 G1748 C1754 A1755 G1756 U1757 G1758 A1762 G1763 G1764 C1765 G1769 G1770 C1771 G1772 A1773 C1774 U1775 G1776 U1779 A1780 C1781 C1782 A1783 A1784 A1785 A1786 A1791 G1792 C1795 U1798 G1799 C1800 G1801 A1802 A1803 C1804 U1805
C1806 G1807 A1812 G1813 G1814 A1815 G1816 U1820 G1823 G1824 A1825 G1828 A1829 C1838 G1839 G1845 G1846 A1847 A1877 G1878 A1889 C1894 G1897 U1898 G1899 A1900 A1901 C1902 G1903 G1906 U1911 A1912 A1913 C1914 U1915 A1916 U1917 C1920 A1928 G1929 G1930 U1931 C1934 G1935 A1936
A1937 A1938 U1939 C1942 U1943 U1944 G1945 A1953 G1954 U1955 C1958 G1959 C1962 U1963 G1964 C1965 A1966 C1967 G1968 A1969 A1970 A1971 A1972 G1973 C1974 G1975 G1980 A1981 G1984 G1992 U1993 G1997 G1998 C1999 G2002 G2003 C2006 C2007 C2008 U2011 A2015 G2018 A2019 A2020 C2021 U2022 G2023
G2027 U2028 A2031 G2032 A2033 U2034 G2035 C2036 C2043 C2044 G2052 C2055 G2056 A2057 A2058 A2059 A2060 G2061 A2062 G2067 U2068 G2069 G2070 C2073 C2078 U2079 G2080 C2081 C2084 G2088 U2089 G2090 U2099 G2100 G2101 U2102 C2103 G2104 C2105 G2106 C2107 C2108 U2109 G2110 C2111 G2112 U2113 A2114 G2115
G2116 A2117 U2118 A2119 G2120 G2121 U2122 G2123 G2124 G2125 A2126 G2127 C2128 C2129 U2130 G2131 U2132 G2133 A2134 A2135 C2136 C2137 C2138 C2139 C2140 G2141 C2142 C2143 U2144 C2145 C2146 C2147 G2148 G2149 U2150 G2151 G2152 G2153 G2154 G2155 C2156 G2157 A2158 G2159 G2160 C2161 G2162 C2163 C2164 C2165 G2166 U2167 C2168 A2169 A2170 A2171 U2172 A2173 C2174 C2175
A2176 C2177 C2178 C2179 U2180 G2181 G2182 C2183 C2184 C2185 G2186 G2187 C2188 U2189 G2190 G2191 G2192 G2193 U2197 A2198 C2202 U2203 C2205 G2206 G2207 A2208 U2218 G2222 G2223 G2224 A2225 G2226 A2227 G2228 G2229 G2230 C2231 U2232 U2233 G2237 G2238 G2239 C2240 A2241 G2242 U2243 U2244 U2245 G2246 A2247 C2248 U2249 G2250 G2251 C2254

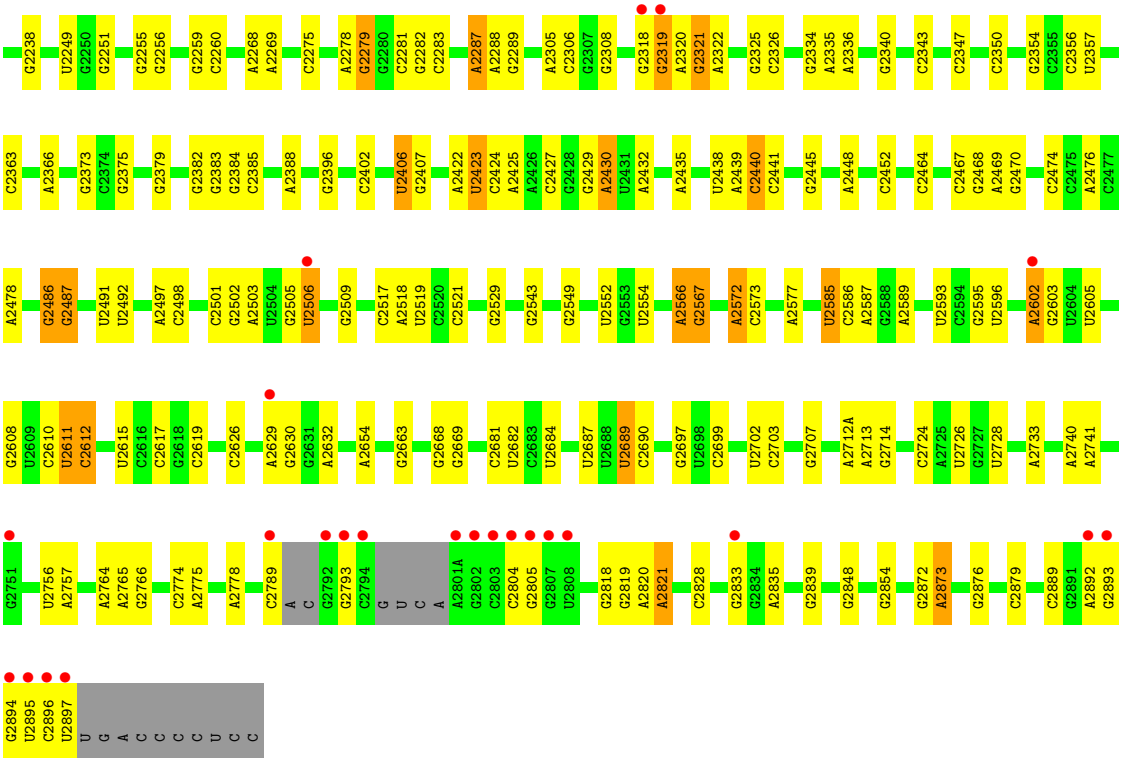


• Molecule 1: 23S Ribosomal RNA

Chain 2A:

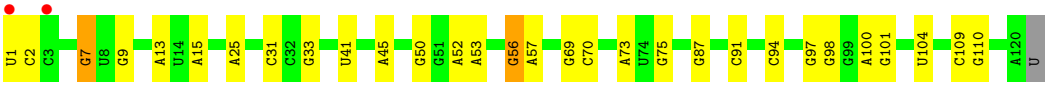






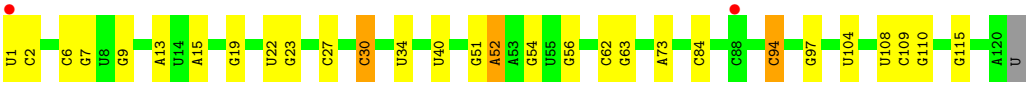
• Molecule 2: 5S Ribosomal RNA

Chain 1B:



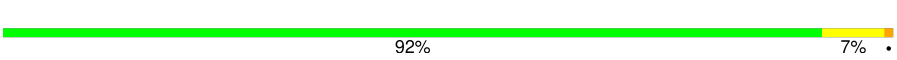
• Molecule 2: 5S Ribosomal RNA

Chain 2B:



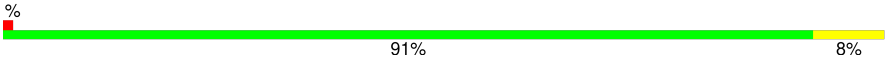
• Molecule 3: 50S ribosomal protein L2

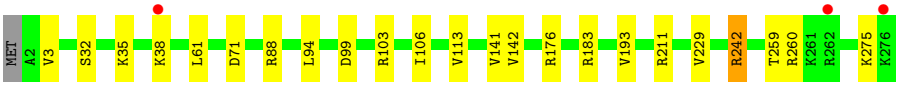
Chain 1D:



• Molecule 3: 50S ribosomal protein L2

Chain 2D:



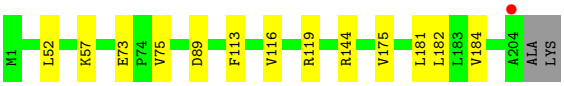


• Molecule 4: 50S ribosomal protein L3

Chain 1E:

• Molecule 4: 50S ribosomal protein L3

Chain 2E:



• Molecule 5: 50S ribosomal protein L4

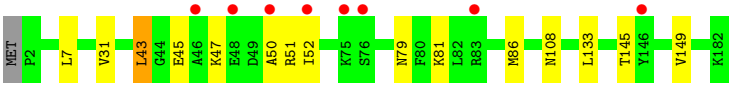
Chain 1F:

• Molecule 5: 50S ribosomal protein L4

Chain 2F:

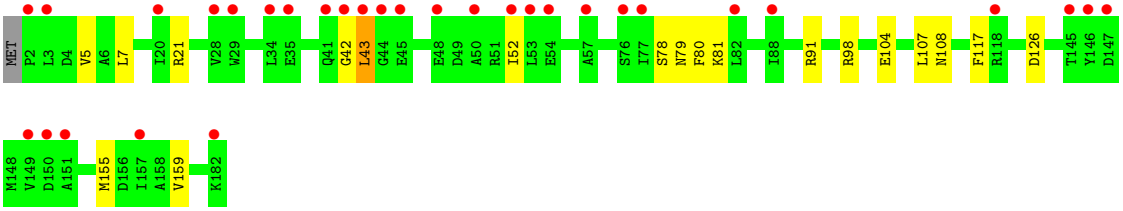
• Molecule 6: 50S ribosomal protein L5

Chain 1G:



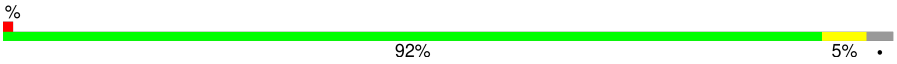
• Molecule 6: 50S ribosomal protein L5

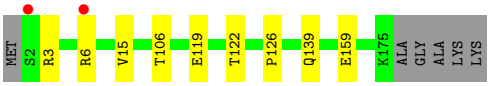
Chain 2G:



• Molecule 7: 50S ribosomal protein L6

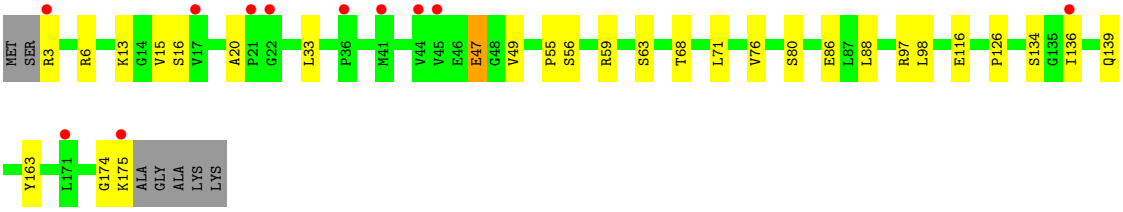
Chain 1H:





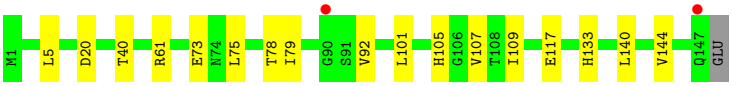
• Molecule 7: 50S ribosomal protein L6

Chain 2H:



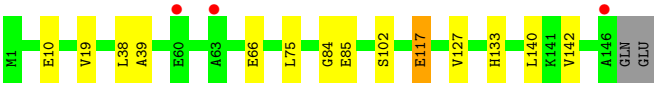
• Molecule 8: 50S ribosomal protein L9

Chain 1I:



• Molecule 8: 50S ribosomal protein L9

Chain 2I:

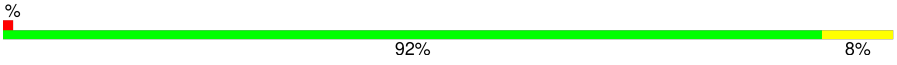


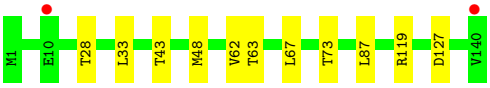
• Molecule 9: 50S ribosomal protein L13

Chain 1N:

• Molecule 9: 50S ribosomal protein L13

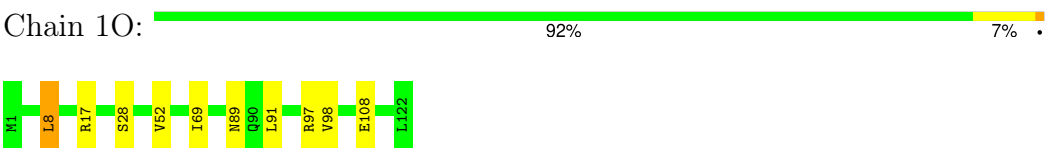
Chain 2N:





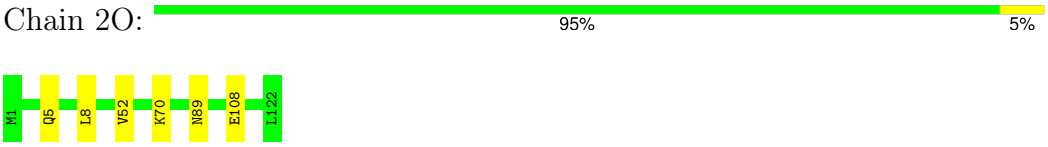
• Molecule 10: 50S ribosomal protein L14

Chain 1O:



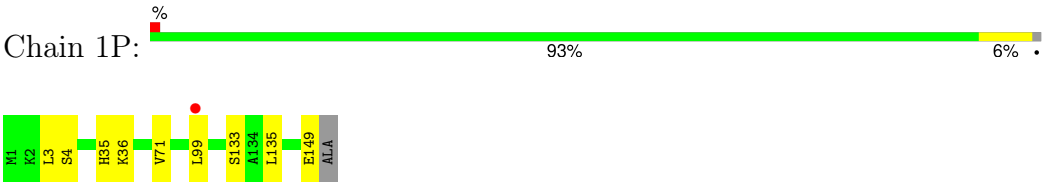
• Molecule 10: 50S ribosomal protein L14

Chain 2O:



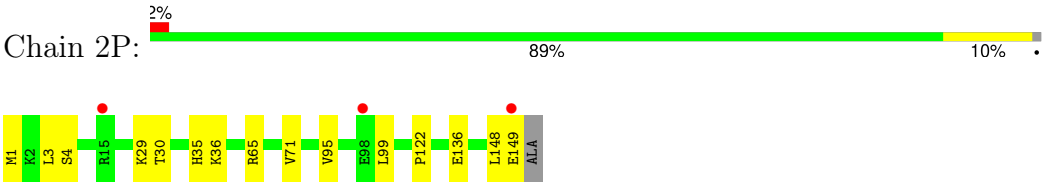
• Molecule 11: 50S ribosomal protein L15

Chain 1P:



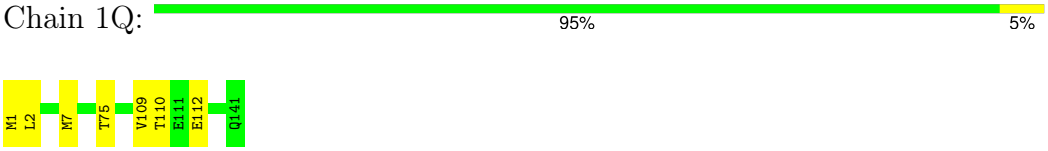
• Molecule 11: 50S ribosomal protein L15

Chain 2P:



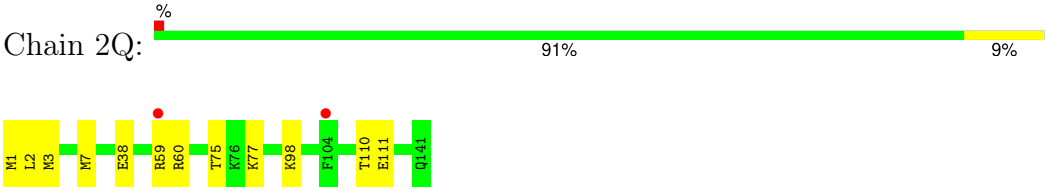
• Molecule 12: 50S ribosomal protein L16

Chain 1Q:



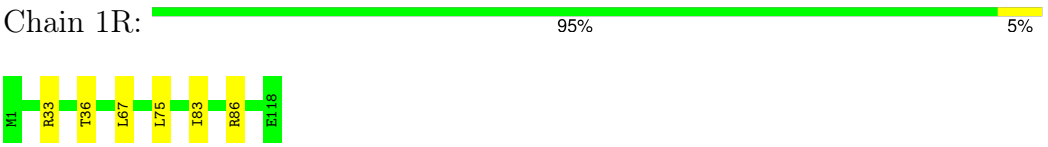
• Molecule 12: 50S ribosomal protein L16

Chain 2Q:



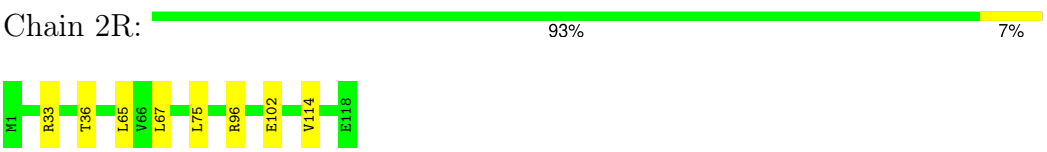
• Molecule 13: 50S ribosomal protein L17

Chain 1R:



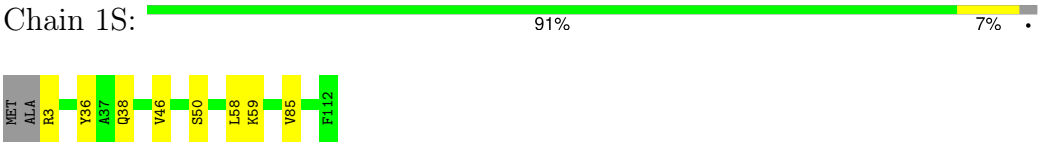
• Molecule 13: 50S ribosomal protein L17

Chain 2R:



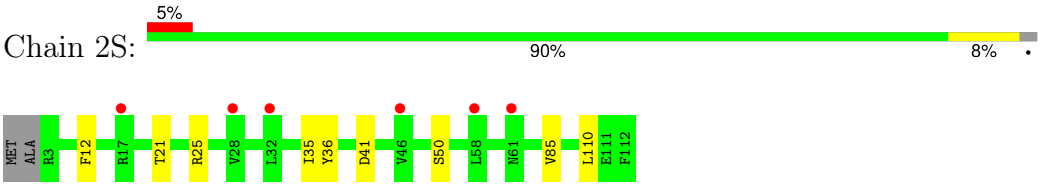
• Molecule 14: 50S ribosomal protein L18

Chain 1S:



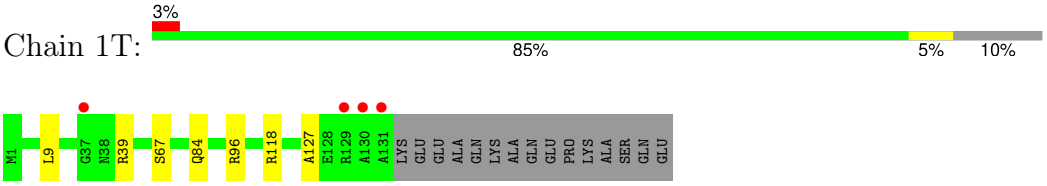
• Molecule 14: 50S ribosomal protein L18

Chain 2S:



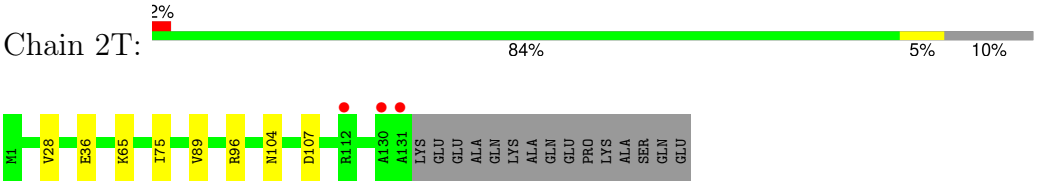
• Molecule 15: 50S ribosomal protein L19

Chain 1T:



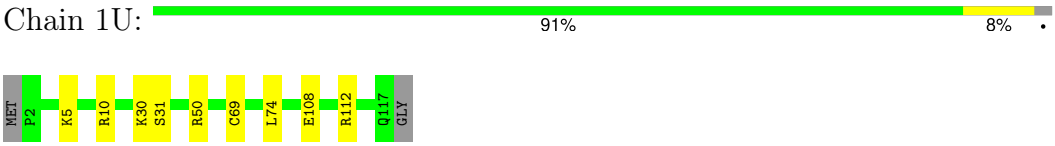
• Molecule 15: 50S ribosomal protein L19

Chain 2T:



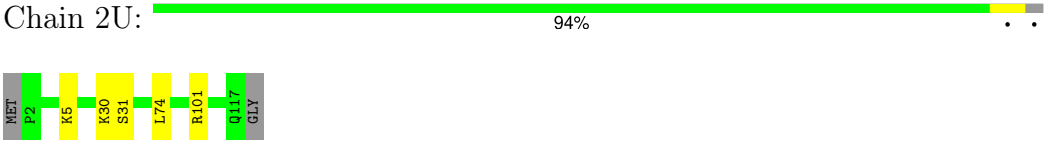
• Molecule 16: 50S ribosomal protein L20

Chain 1U:



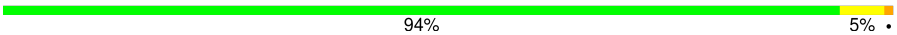
• Molecule 16: 50S ribosomal protein L20

Chain 2U:



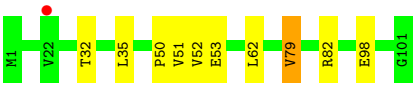
• Molecule 17: 50S ribosomal protein L21

Chain 1V:



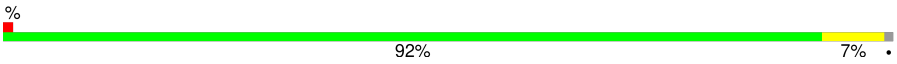
• Molecule 17: 50S ribosomal protein L21

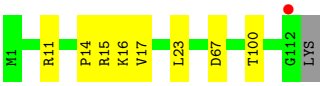
Chain 2V:



• Molecule 18: 50S ribosomal protein L22

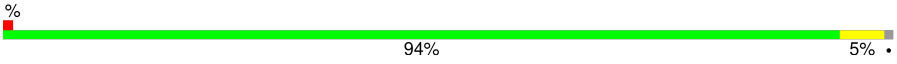
Chain 1W:

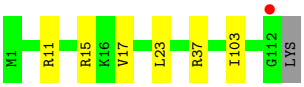




• Molecule 18: 50S ribosomal protein L22

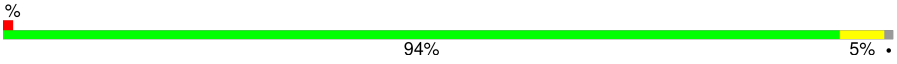
Chain 2W:





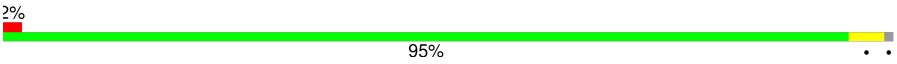
• Molecule 19: 50S ribosomal protein L23

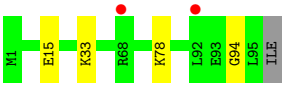
Chain 1X:



• Molecule 19: 50S ribosomal protein L23

Chain 2X:



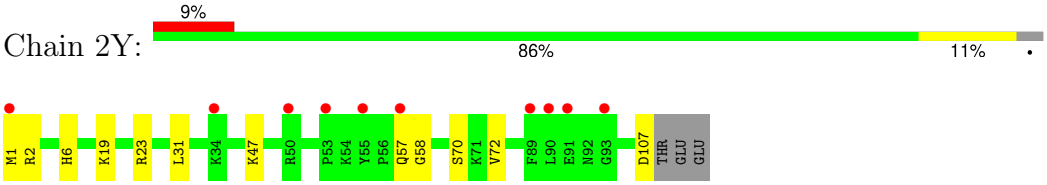


• Molecule 20: 50S ribosomal protein L24

Chain 1Y:

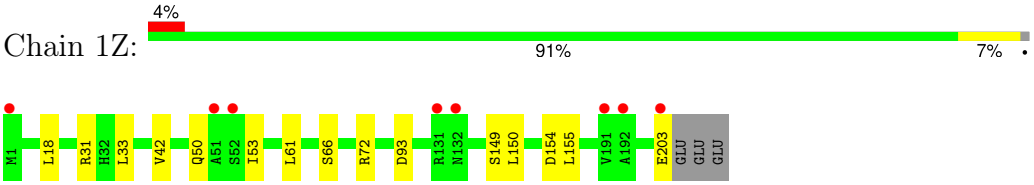
• Molecule 20: 50S ribosomal protein L24

Chain 2Y:



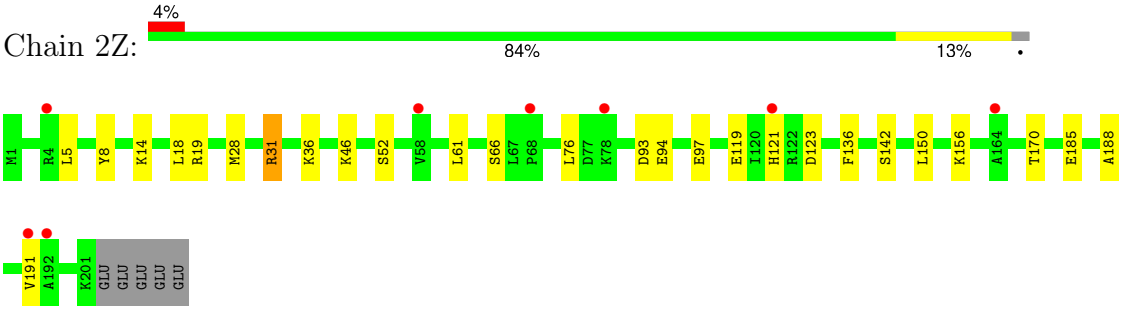
• Molecule 21: 50S ribosomal protein L25

Chain 1Z:



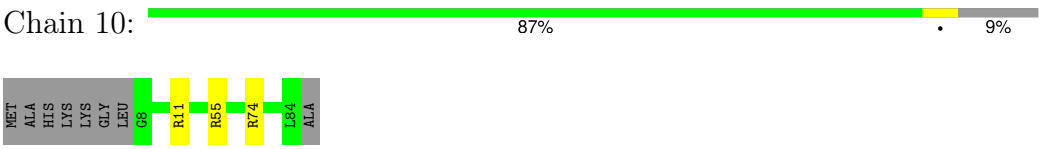
• Molecule 21: 50S ribosomal protein L25

Chain 2Z:



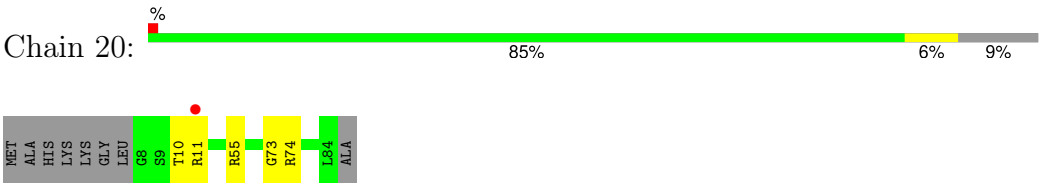
• Molecule 22: 50S ribosomal protein L27

Chain 10:



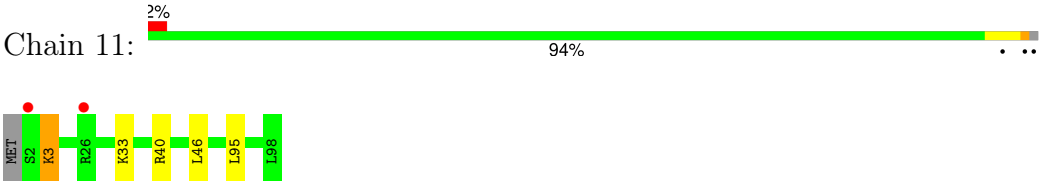
• Molecule 22: 50S ribosomal protein L27

Chain 20:



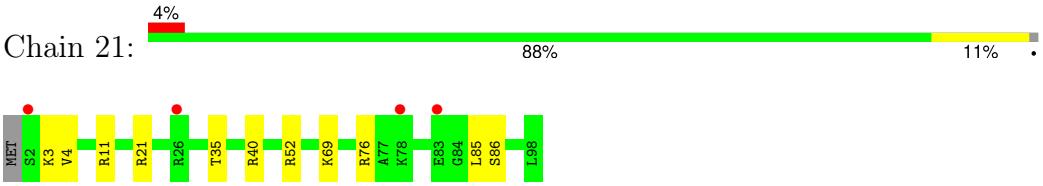
• Molecule 23: 50S ribosomal protein L28

Chain 11:



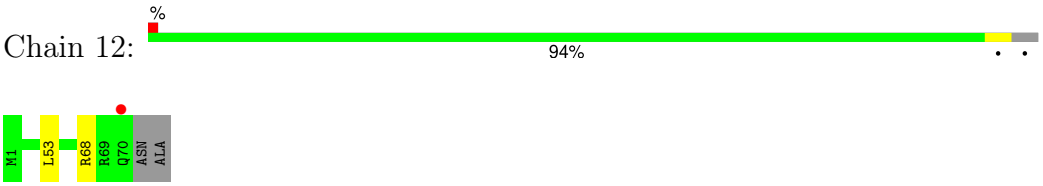
• Molecule 23: 50S ribosomal protein L28

Chain 21:



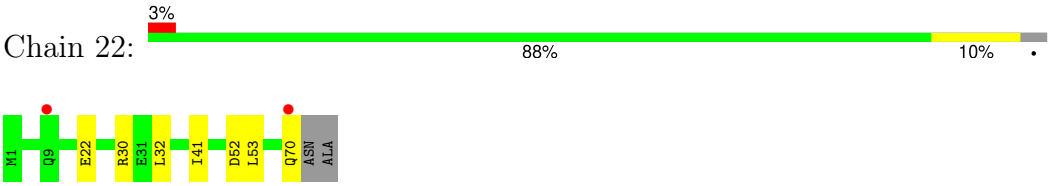
• Molecule 24: 50S ribosomal protein L29

Chain 12:



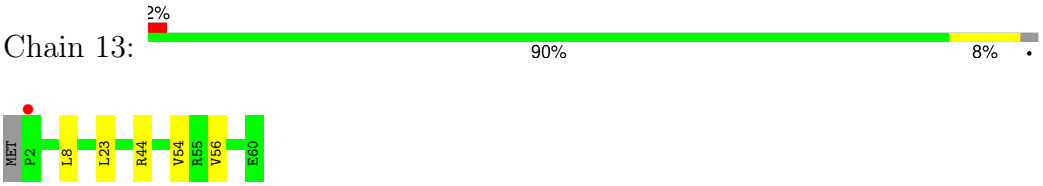
• Molecule 24: 50S ribosomal protein L29

Chain 22:



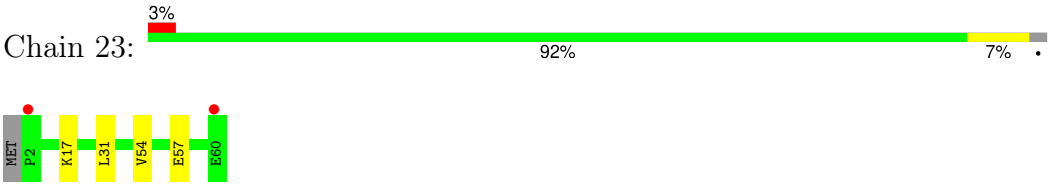
• Molecule 25: 50S ribosomal protein L30

Chain 13:



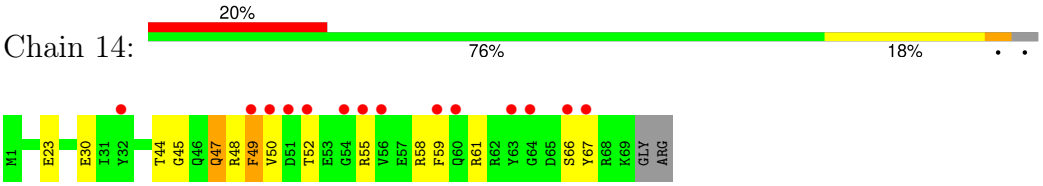
• Molecule 25: 50S ribosomal protein L30

Chain 23:



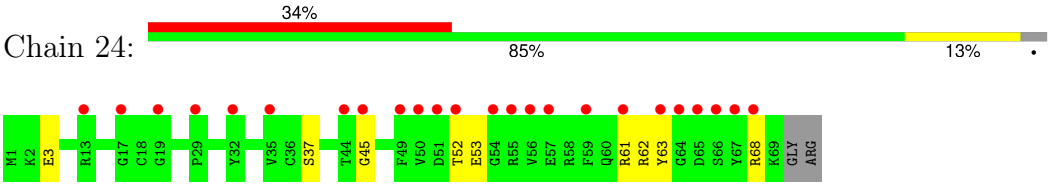
• Molecule 26: 50S ribosomal protein L31

Chain 14:



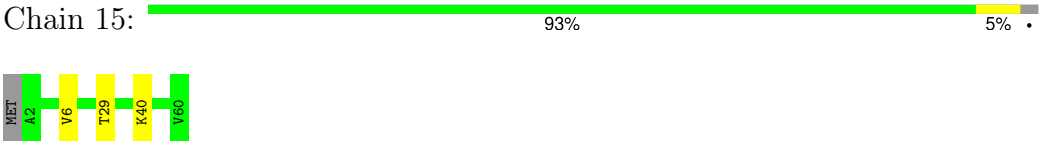
• Molecule 26: 50S ribosomal protein L31

Chain 24:



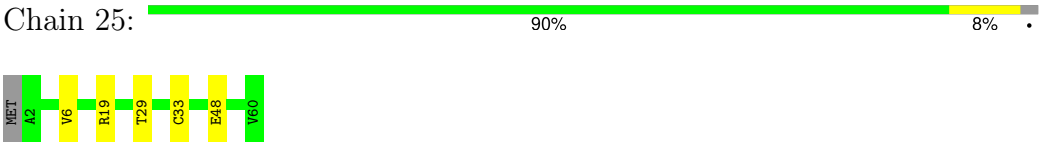
• Molecule 27: 50S ribosomal protein L32

Chain 15:



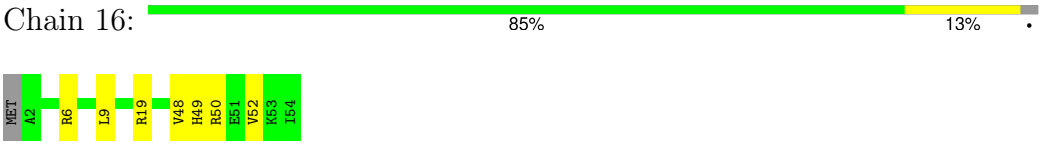
• Molecule 27: 50S ribosomal protein L32

Chain 25:



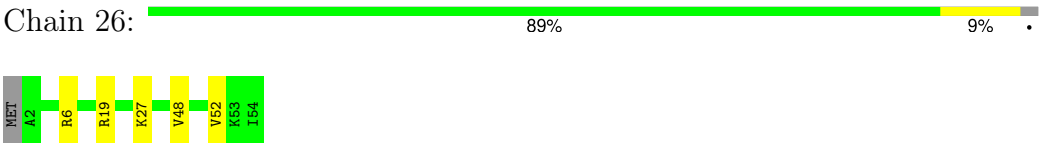
• Molecule 28: 50S ribosomal protein L33

Chain 16:



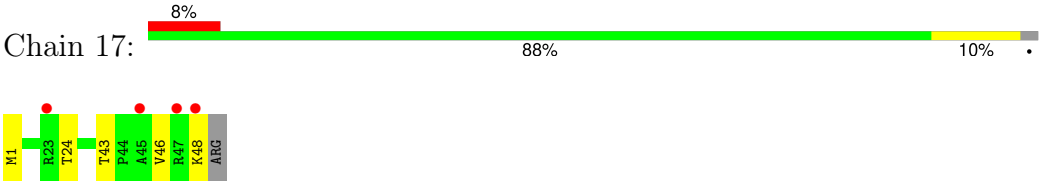
• Molecule 28: 50S ribosomal protein L33

Chain 26:



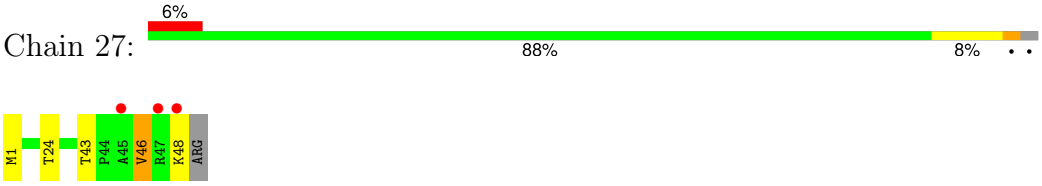
• Molecule 29: 50S ribosomal protein L34

Chain 17:



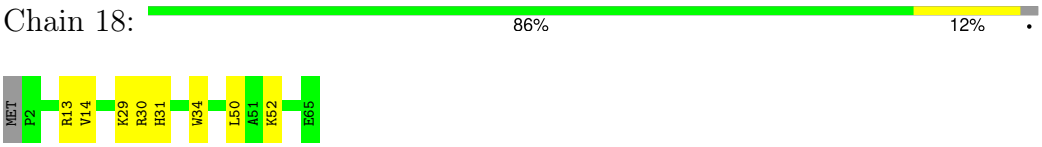
• Molecule 29: 50S ribosomal protein L34

Chain 27:



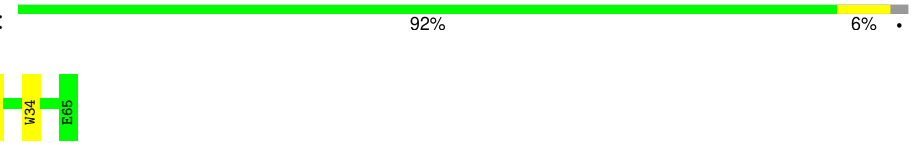
• Molecule 30: 50S ribosomal protein L35

Chain 18:



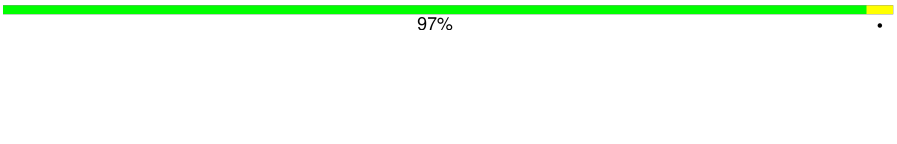
• Molecule 30: 50S ribosomal protein L35

Chain 28:



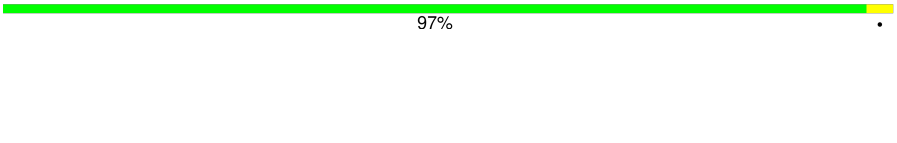
• Molecule 31: 50S ribosomal protein L36

Chain 19:



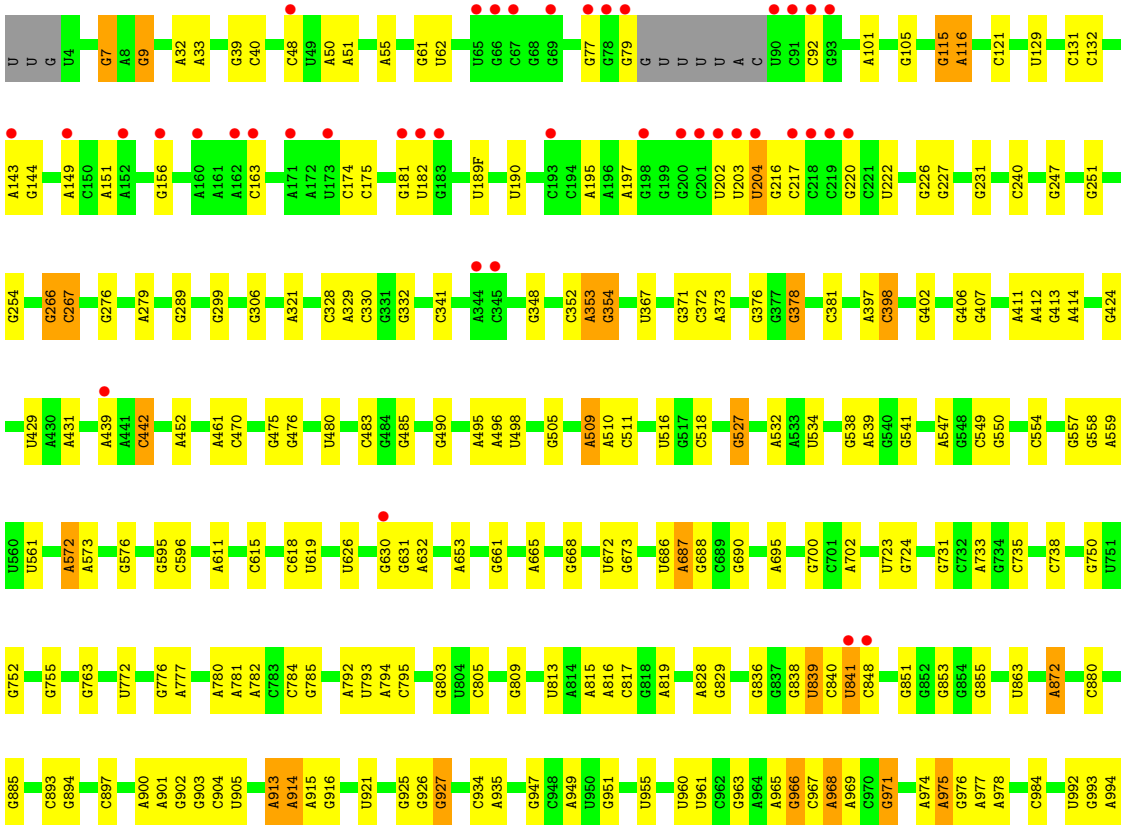
• Molecule 31: 50S ribosomal protein L36

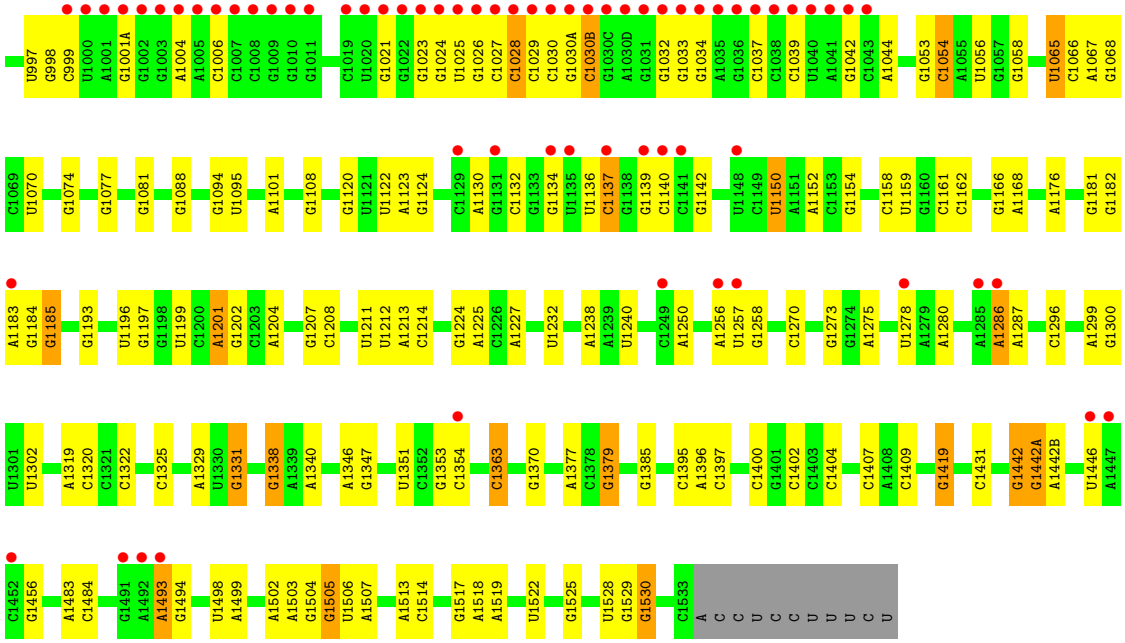
Chain 29:



• Molecule 32: 16S Ribosomal RNA

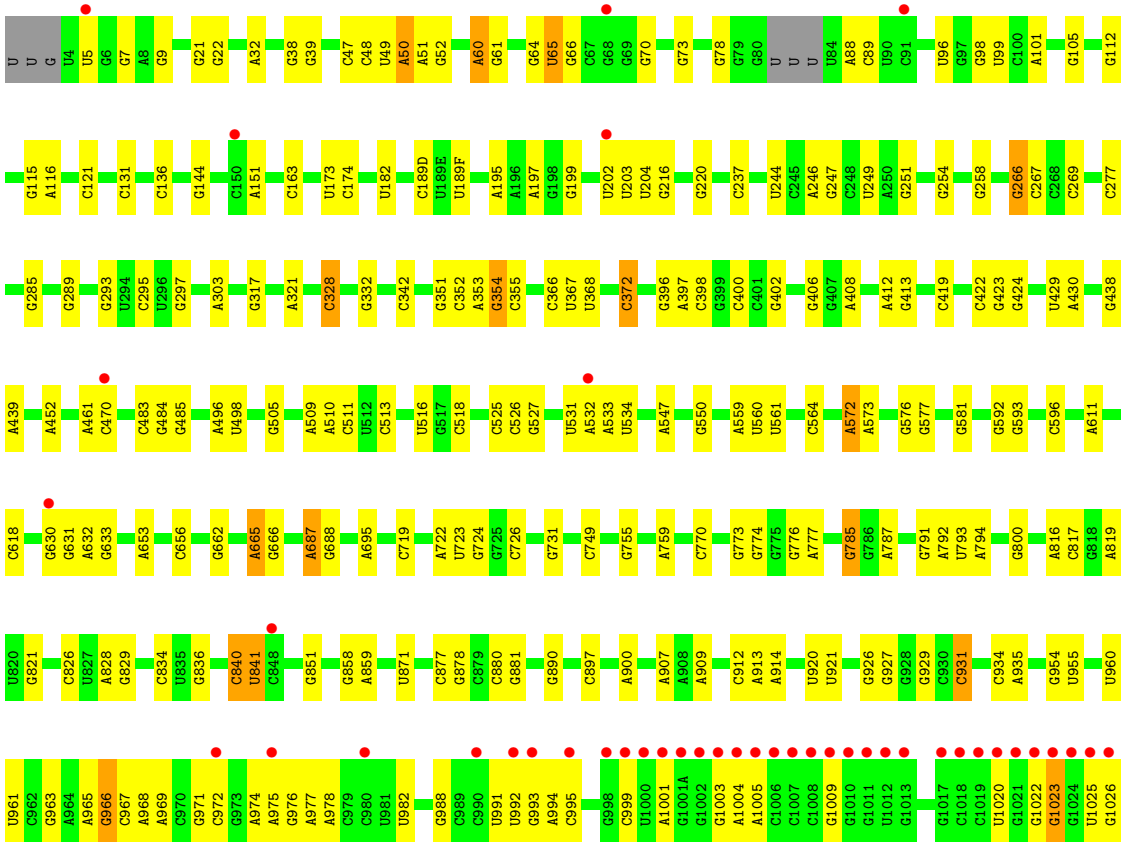
Chain 1a:





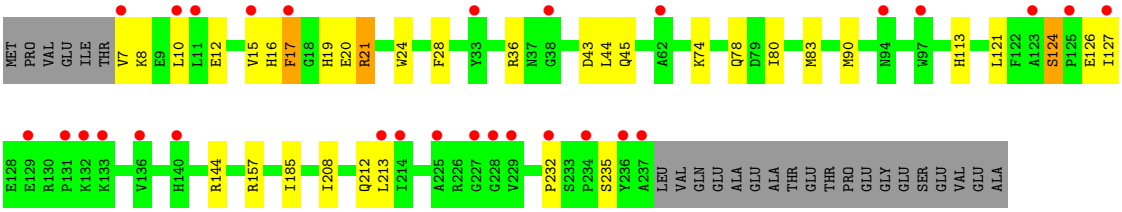
• Molecule 32: 16S Ribosomal RNA

Chain 2a:



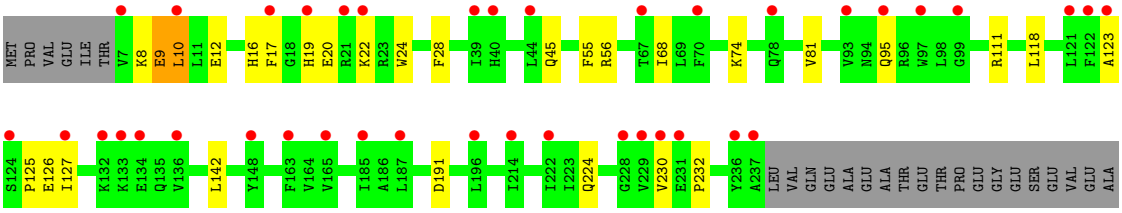
• Molecule 33: 30S ribosomal protein S2

Chain 1b:



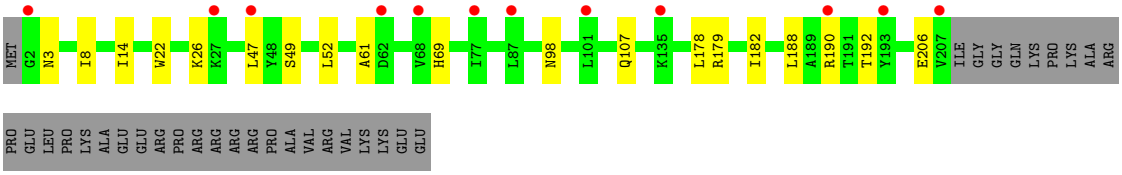
• Molecule 33: 30S ribosomal protein S2

Chain 2b:



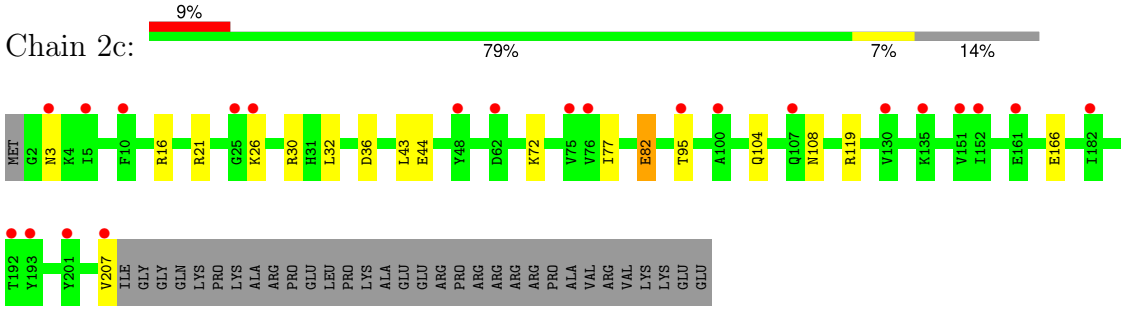
• Molecule 34: 30S ribosomal protein S3

Chain 1c:



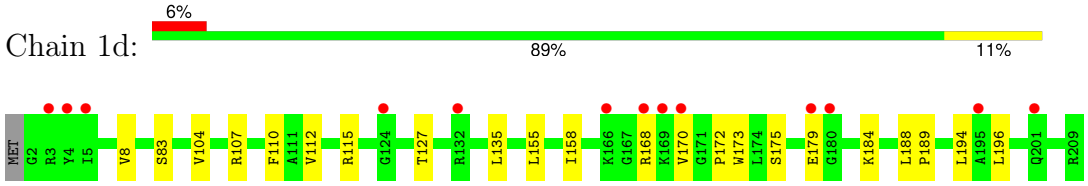
• Molecule 34: 30S ribosomal protein S3

Chain 2c:



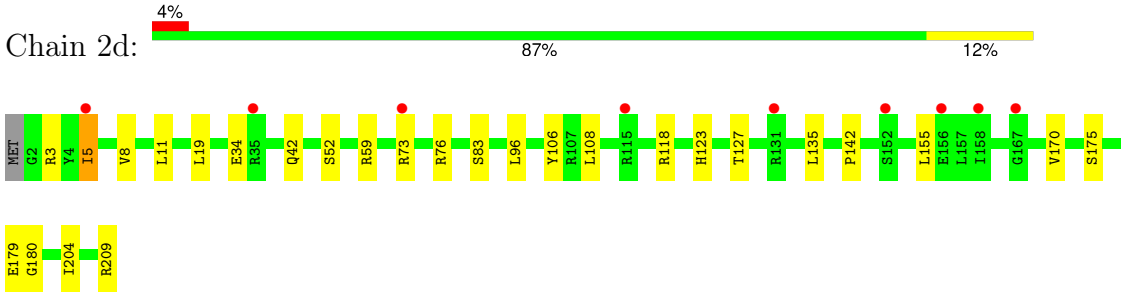
• Molecule 35: 30S ribosomal protein S4

Chain 1d:



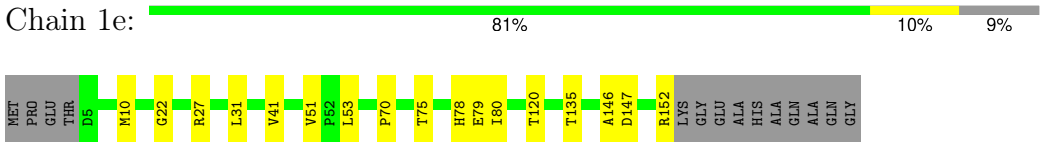
• Molecule 35: 30S ribosomal protein S4

Chain 2d:



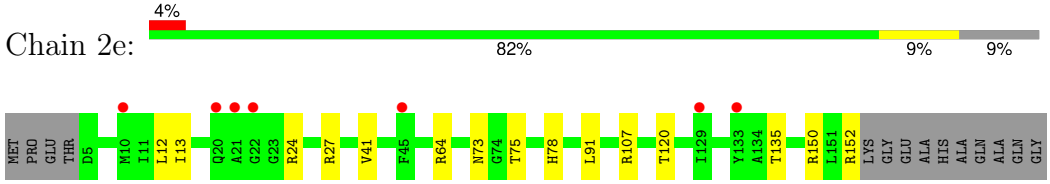
• Molecule 36: 30S ribosomal protein S5

Chain 1e:



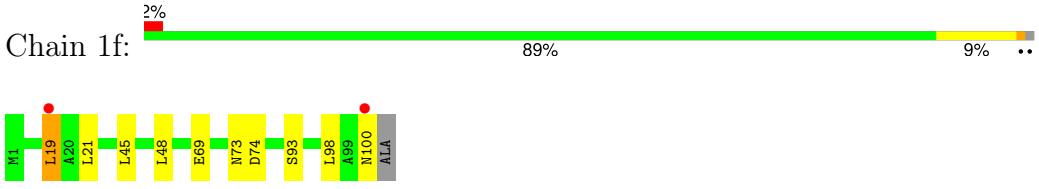
• Molecule 36: 30S ribosomal protein S5

Chain 2e:



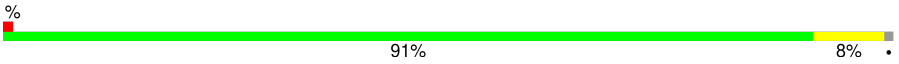
• Molecule 37: 30S ribosomal protein S6

Chain 1f:



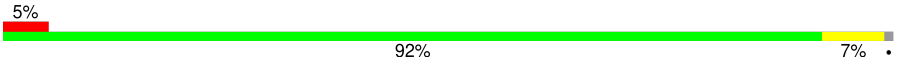
• Molecule 37: 30S ribosomal protein S6

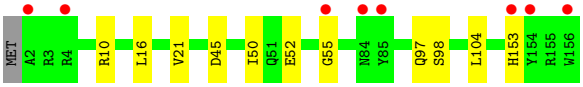
Chain 2f:



• Molecule 38: 30S ribosomal protein S7

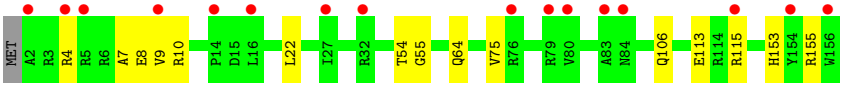
Chain 1g:





• Molecule 38: 30S ribosomal protein S7

Chain 2g:

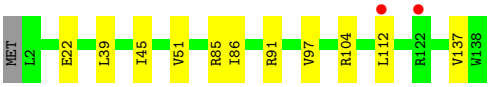


• Molecule 39: 30S ribosomal protein S8

Chain 1h:

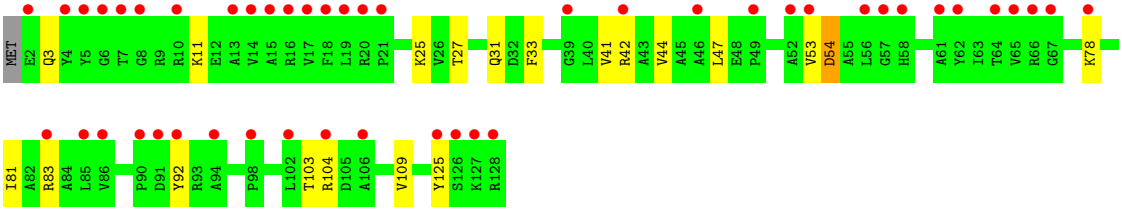
• Molecule 39: 30S ribosomal protein S8

Chain 2h:



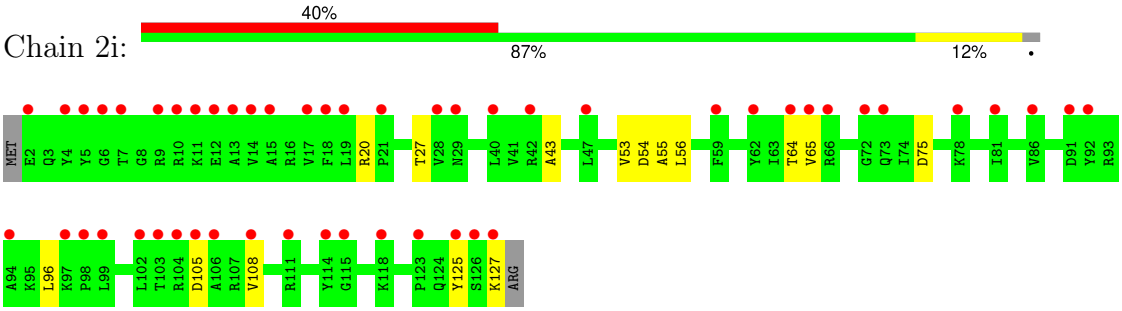
• Molecule 40: 30S ribosomal protein S9

Chain 1i:



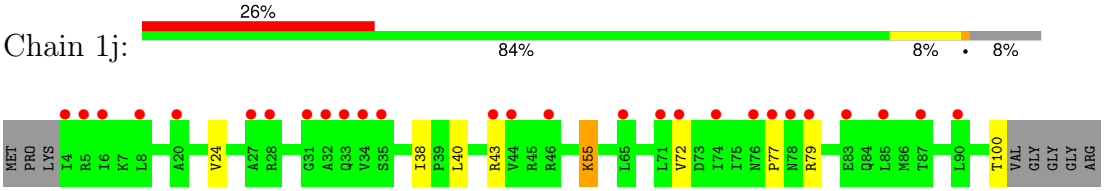
• Molecule 40: 30S ribosomal protein S9

Chain 2i:



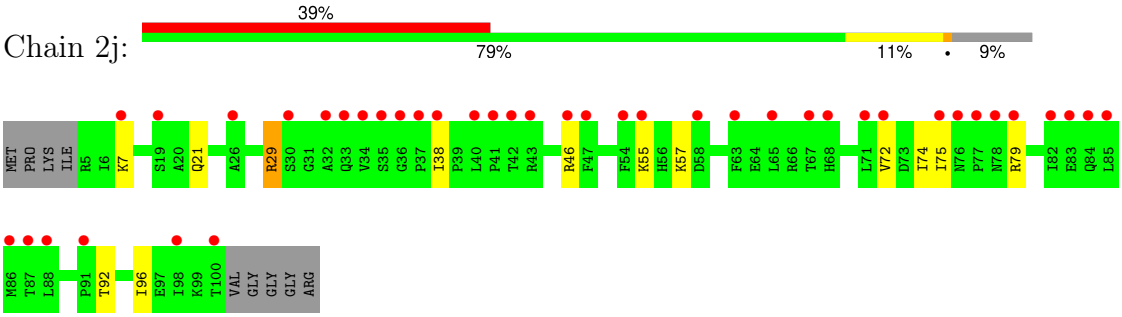
• Molecule 41: 30S ribosomal protein S10

Chain 1j:



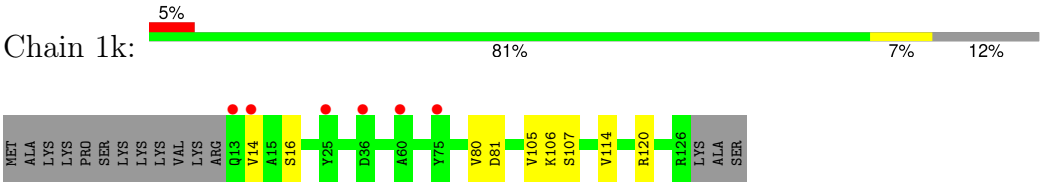
• Molecule 41: 30S ribosomal protein S10

Chain 2j:



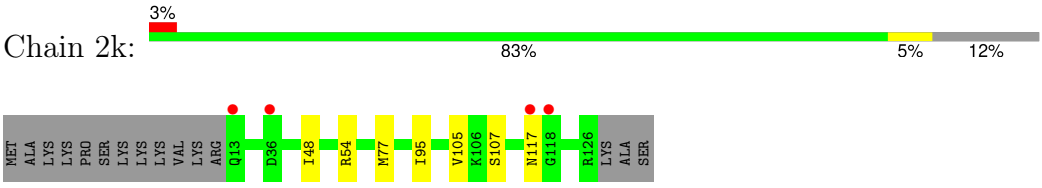
• Molecule 42: 30S ribosomal protein S11

Chain 1k:



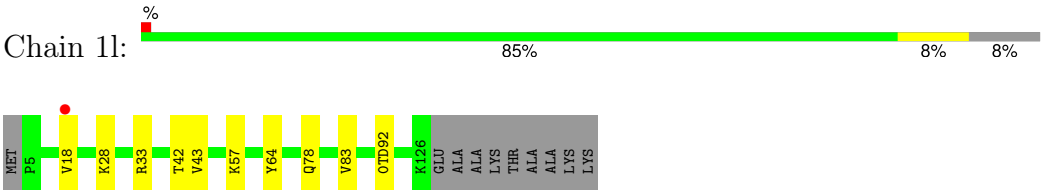
• Molecule 42: 30S ribosomal protein S11

Chain 2k:



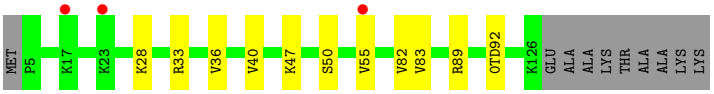
• Molecule 43: 30S ribosomal protein S12

Chain 1l:



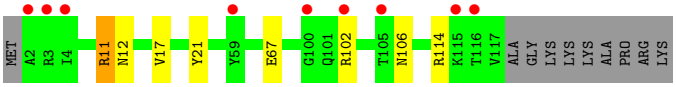
• Molecule 43: 30S ribosomal protein S12

Chain 2l:



• Molecule 44: 30S ribosomal protein S13

Chain 1m:

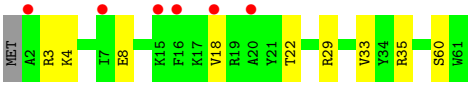


• Molecule 44: 30S ribosomal protein S13

Chain 2m:

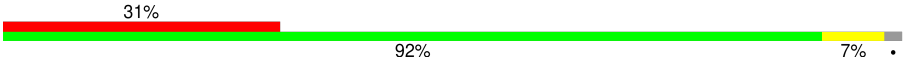
• Molecule 45: 30S ribosomal protein S14 type Z

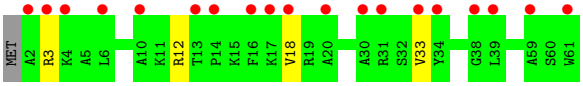
Chain 1n:



• Molecule 45: 30S ribosomal protein S14 type Z

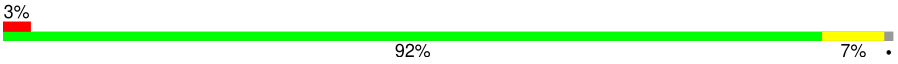
Chain 2n:

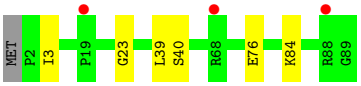




• Molecule 46: 30S ribosomal protein S15

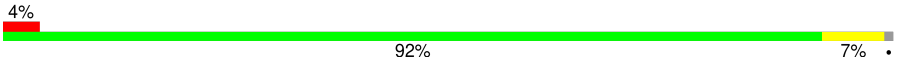
Chain 1o:

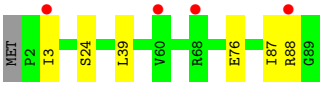




• Molecule 46: 30S ribosomal protein S15

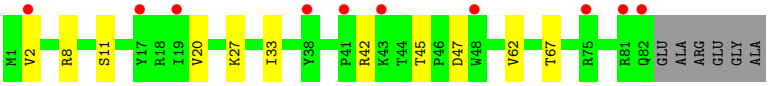
Chain 2o:





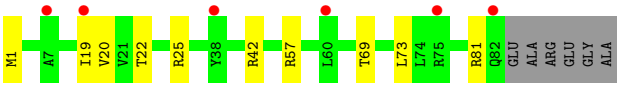
• Molecule 47: 30S ribosomal protein S16

Chain 1p:



• Molecule 47: 30S ribosomal protein S16

Chain 2p:



• Molecule 48: 30S ribosomal protein S17

Chain 1q:

• Molecule 48: 30S ribosomal protein S17

Chain 2q:

• Molecule 49: 30S ribosomal protein S18

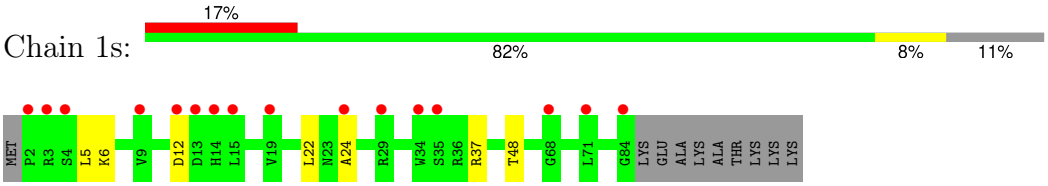
Chain 1r:

• Molecule 49: 30S ribosomal protein S18

Chain 2r:

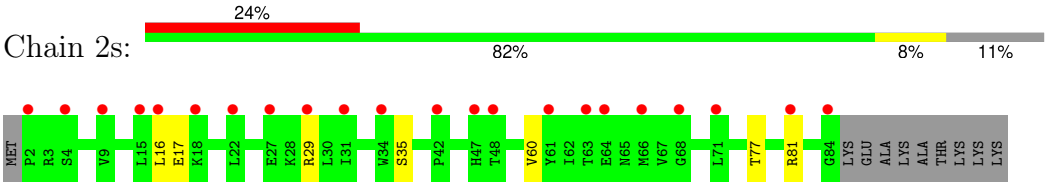
• Molecule 50: 30S ribosomal protein S19

Chain 1s:



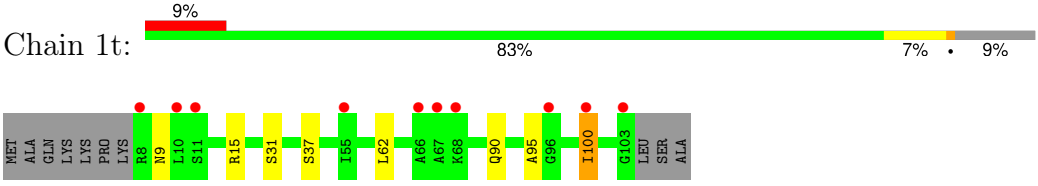
• Molecule 50: 30S ribosomal protein S19

Chain 2s:



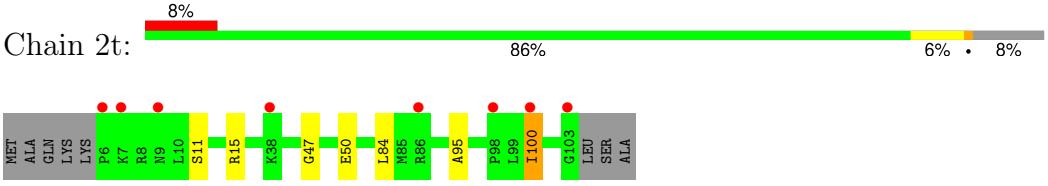
• Molecule 51: 30S ribosomal protein S20

Chain 1t:



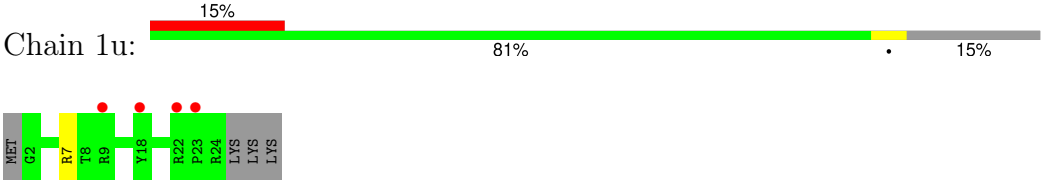
• Molecule 51: 30S ribosomal protein S20

Chain 2t:



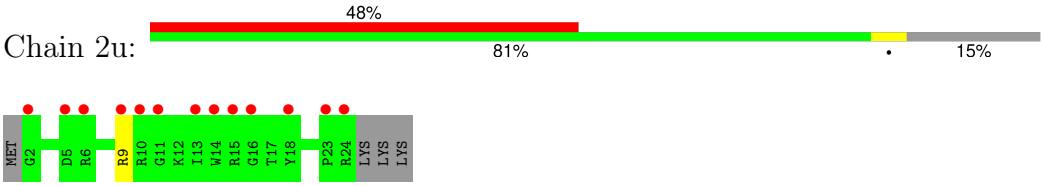
• Molecule 52: 30S ribosomal protein Thx

Chain 1u:



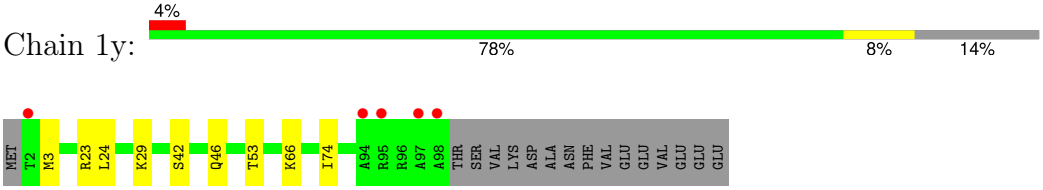
• Molecule 52: 30S ribosomal protein Thx

Chain 2u:



• Molecule 53: Ribosome-associated inhibitor A

Chain 1y:

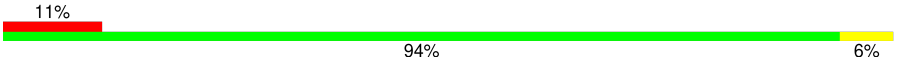


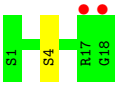
• Molecule 53: Ribosome-associated inhibitor A

Chain 2y:

• Molecule 54: Lasso peptide lariocidin

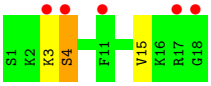
Chain 1z:





• Molecule 54: Lasso peptide lariocidin

Chain 2z:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	207.14Å 444.01Å 615.20Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	55.97 – 2.60 55.97 – 2.60	Depositor EDS
% Data completeness (in resolution range)	99.9 (55.97-2.60) 100.0 (55.97-2.60)	Depositor EDS
R_{merge}	0.26	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.24 (at 2.62Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.202 , 0.252 0.200 , 0.249	Depositor DCC
R_{free} test set	86084 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å^2)	44.1	Xtriage
Anisotropy	0.067	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.32 , 53.3	EDS
L-test for twinning[2]	$< \|L\| > = 0.46$, $< L^2 > = 0.29$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.92	EDS
Total number of atoms	298738	wwPDB-VP
Average B, all atoms (Å^2)	53.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.49% 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.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: SF4, MG, 4OC, OMG, ZN, 5MU, MA6, MPD, PSU, 2MA, 0TD, 2MG, 5MC, UR3, G7M, M2G, OMC, OMU

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	1A	1.17	57/69031 (0.1%)	1.59	1224/107754 (1.1%)
1	2A	0.95	23/68903 (0.0%)	1.41	643/107552 (0.6%)
2	1B	0.92	1/2876 (0.0%)	1.43	22/4486 (0.5%)
2	2B	0.72	0/2878	1.27	13/4490 (0.3%)
3	1D	0.65	0/2181	0.82	2/2940 (0.1%)
3	2D	0.56	0/2186	0.72	1/2944 (0.0%)
4	1E	0.62	0/1592	0.75	0/2149
4	2E	0.52	0/1592	0.67	0/2149
5	1F	0.60	0/1619	0.79	3/2193 (0.1%)
5	2F	0.50	0/1615	0.69	0/2188
6	1G	0.49	0/1451	0.64	0/1961
6	2G	0.43	0/1449	0.58	0/1957
7	1H	0.53	0/1356	0.72	0/1834
7	2H	0.46	0/1350	0.59	0/1826
8	1I	0.48	0/1109	0.68	0/1512
8	2I	0.43	0/1091	0.59	0/1490
9	1N	0.67	0/1148	0.85	2/1547 (0.1%)
9	2N	0.46	0/1144	0.64	0/1543
10	1O	0.65	0/943	0.77	2/1269 (0.2%)
10	2O	0.56	0/943	0.71	1/1269 (0.1%)
11	1P	0.61	0/1152	0.73	0/1533
11	2P	0.53	0/1152	0.69	0/1533
12	1Q	0.62	0/1143	0.74	0/1527
12	2Q	0.51	0/1143	0.64	0/1527
13	1R	0.64	0/982	0.78	0/1312
13	2R	0.50	0/982	0.75	0/1312
14	1S	0.54	0/887	0.69	0/1180
14	2S	0.46	0/880	0.62	0/1172
15	1T	0.56	0/1105	0.75	1/1477 (0.1%)
15	2T	0.51	0/1097	0.66	0/1468
16	1U	0.68	1/977 (0.1%)	0.78	1/1301 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
16	2U	0.50	0/977	0.68	0/1301
17	1V	0.66	0/786	0.77	0/1053
17	2V	0.48	0/782	0.65	0/1049
18	1W	0.64	0/897	0.73	0/1205
18	2W	0.58	0/897	0.69	0/1205
19	1X	0.64	0/764	0.70	0/1025
19	2X	0.52	0/764	0.67	0/1025
20	1Y	0.65	0/823	0.74	1/1099 (0.1%)
20	2Y	0.56	0/823	0.69	0/1100
21	1Z	0.50	0/1620	0.65	0/2200
21	2Z	0.45	0/1590	0.62	0/2162
22	10	0.63	0/616	0.77	0/821
22	20	0.48	0/616	0.64	0/821
23	11	0.60	0/761	0.71	1/1013 (0.1%)
23	21	0.60	0/766	0.73	0/1018
24	12	0.60	0/590	0.71	0/781
24	22	0.49	0/594	0.59	0/785
25	13	0.62	0/474	0.77	0/635
25	23	0.45	0/469	0.65	0/630
26	14	0.50	0/559	0.66	0/754
26	24	0.60	0/549	0.64	0/741
27	15	0.63	0/473	0.74	0/639
27	25	0.56	0/469	0.77	1/635 (0.2%)
28	16	0.68	0/460	0.82	0/613
28	26	0.55	0/456	0.67	0/608
29	17	0.70	0/426	0.83	0/561
29	27	0.56	0/426	0.72	0/561
30	18	0.65	0/525	0.80	1/691 (0.1%)
30	28	0.51	0/525	0.62	0/691
31	19	0.72	0/310	0.76	0/407
31	29	0.53	0/310	0.67	0/407
32	1a	0.82	2/35795 (0.0%)	1.33	238/55864 (0.4%)
32	2a	0.79	5/35890 (0.0%)	1.30	189/56012 (0.3%)
33	1b	0.48	0/1876	0.63	0/2533
33	2b	0.51	0/1860	0.64	0/2518
34	1c	0.46	0/1582	0.59	0/2137
34	2c	0.45	0/1566	0.59	0/2119
35	1d	0.46	0/1695	0.63	0/2274
35	2d	0.43	0/1698	0.63	0/2277
36	1e	0.47	0/1149	0.64	0/1548
36	2e	0.43	0/1149	0.66	0/1548
37	1f	0.48	0/827	0.64	1/1120 (0.1%)
37	2f	0.49	0/829	0.64	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
38	1g	0.47	0/1254	0.57	0/1683
38	2g	0.48	0/1248	0.58	0/1676
39	1h	0.43	0/1118	0.63	0/1506
39	2h	0.44	0/1108	0.60	0/1494
40	1i	0.46	0/1005	0.63	0/1351
40	2i	0.48	0/985	0.57	0/1329
41	1j	0.46	0/732	0.58	0/993
41	2j	0.44	0/723	0.57	0/984
42	1k	0.49	0/849	0.65	0/1150
42	2k	0.44	0/848	0.66	0/1149
43	1l	0.47	0/937	0.70	1/1260 (0.1%)
43	2l	0.45	0/937	0.66	0/1260
44	1m	0.44	0/924	0.61	0/1242
44	2m	0.43	0/905	0.61	0/1217
45	1n	0.48	0/501	0.56	0/664
45	2n	0.48	0/501	0.61	0/664
46	1o	0.46	0/739	0.63	0/985
46	2o	0.45	0/739	0.60	0/985
47	1p	0.46	0/697	0.70	0/939
47	2p	0.48	0/693	0.65	0/935
48	1q	0.45	0/836	0.66	0/1117
48	2q	0.48	0/836	0.66	1/1117 (0.1%)
49	1r	0.44	0/560	0.65	0/746
49	2r	0.48	0/560	0.70	0/746
50	1s	0.43	0/663	0.63	0/895
50	2s	0.47	0/660	0.55	0/893
51	1t	0.45	0/734	0.59	0/969
51	2t	0.41	0/736	0.57	0/976
52	1u	0.38	0/203	0.67	0/266
52	2u	0.42	0/203	0.59	0/266
53	1y	0.44	0/776	0.60	0/1048
53	2y	0.43	0/761	0.57	0/1030
54	1z	0.50	0/133	0.73	0/168
54	2z	0.53	0/133	0.65	0/168
All	All	0.86	89/310207 (0.0%)	1.28	2349/463575 (0.5%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand.A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
11	1P	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
11	2P	0	1
14	1S	0	1
17	1V	0	1
19	1X	0	1
26	14	0	1
29	17	0	1
29	27	0	1
30	18	0	1
33	1b	0	1
33	2b	0	1
35	1d	0	1
43	2l	0	1
47	2p	0	1
All	All	0	14

The worst 5 of 89 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	330	A	N9-C4	-9.11	1.32	1.37
1	1A	1649	G	N7-C5	-7.11	1.34	1.39
1	1A	2062	A	N9-C4	6.87	1.42	1.37
2	1B	100	A	N3-C4	-6.83	1.30	1.34
1	1A	1791	A	N9-C4	-6.81	1.33	1.37

The worst 5 of 2349 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	1648	C	O5'-P-OP1	-18.86	88.07	110.70
1	2A	2104	G	C5-C6-O6	16.06	138.24	128.60
1	1A	330	A	C2-N3-C4	-15.63	102.79	110.60
1	1A	1086	A	N1-C6-N6	-15.55	109.27	118.60
1	1A	999	U	O5'-P-OP2	-14.20	92.92	105.70

There are no chirality outliers.

5 of 14 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
26	14	67	TYR	Peptide
11	1P	35	HIS	Peptide
14	1S	58	LEU	Peptide
17	1V	54	GLY	Peptide

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Mol	Chain	Res	Type	Group
19	1X	93	GLU	Peptide

5.2 Too-close contacts (i)

Due to software issues we are unable to calculate clashes - this section is therefore empty.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
3	1D	273/276 (99%)	255 (93%)	18 (7%)	0	100 100
3	2D	273/276 (99%)	257 (94%)	14 (5%)	2 (1%)	19 38
4	1E	202/206 (98%)	192 (95%)	9 (4%)	1 (0%)	25 47
4	2E	202/206 (98%)	188 (93%)	12 (6%)	2 (1%)	13 29
5	1F	201/210 (96%)	192 (96%)	7 (4%)	2 (1%)	13 29
5	2F	201/210 (96%)	194 (96%)	5 (2%)	2 (1%)	13 29
6	1G	179/182 (98%)	159 (89%)	16 (9%)	4 (2%)	5 10
6	2G	179/182 (98%)	148 (83%)	24 (13%)	7 (4%)	2 3
7	1H	172/180 (96%)	157 (91%)	12 (7%)	3 (2%)	7 16
7	2H	171/180 (95%)	145 (85%)	20 (12%)	6 (4%)	3 4
8	1I	145/148 (98%)	122 (84%)	19 (13%)	4 (3%)	4 7
8	2I	144/148 (97%)	121 (84%)	17 (12%)	6 (4%)	2 3
9	1N	138/140 (99%)	131 (95%)	7 (5%)	0	100 100
9	2N	138/140 (99%)	127 (92%)	10 (7%)	1 (1%)	19 38
10	1O	120/122 (98%)	111 (92%)	9 (8%)	0	100 100
10	2O	120/122 (98%)	110 (92%)	9 (8%)	1 (1%)	16 34
11	1P	147/150 (98%)	133 (90%)	14 (10%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	2P	147/150 (98%)	134 (91%)	9 (6%)	4 (3%)	4 7
12	1Q	139/141 (99%)	130 (94%)	9 (6%)	0	100 100
12	2Q	139/141 (99%)	133 (96%)	5 (4%)	1 (1%)	19 38
13	1R	116/118 (98%)	111 (96%)	4 (3%)	1 (1%)	14 31
13	2R	116/118 (98%)	109 (94%)	7 (6%)	0	100 100
14	1S	108/112 (96%)	98 (91%)	10 (9%)	0	100 100
14	2S	108/112 (96%)	101 (94%)	7 (6%)	0	100 100
15	1T	129/146 (88%)	123 (95%)	5 (4%)	1 (1%)	16 34
15	2T	129/146 (88%)	121 (94%)	8 (6%)	0	100 100
16	1U	114/118 (97%)	113 (99%)	1 (1%)	0	100 100
16	2U	114/118 (97%)	112 (98%)	2 (2%)	0	100 100
17	1V	99/101 (98%)	91 (92%)	6 (6%)	2 (2%)	6 12
17	2V	99/101 (98%)	93 (94%)	3 (3%)	3 (3%)	3 6
18	1W	110/113 (97%)	108 (98%)	2 (2%)	0	100 100
18	2W	110/113 (97%)	107 (97%)	3 (3%)	0	100 100
19	1X	93/96 (97%)	91 (98%)	2 (2%)	0	100 100
19	2X	93/96 (97%)	90 (97%)	2 (2%)	1 (1%)	12 26
20	1Y	105/110 (96%)	95 (90%)	8 (8%)	2 (2%)	6 13
20	2Y	105/110 (96%)	95 (90%)	8 (8%)	2 (2%)	6 13
21	1Z	201/206 (98%)	187 (93%)	13 (6%)	1 (0%)	25 47
21	2Z	199/206 (97%)	178 (89%)	17 (8%)	4 (2%)	6 12
22	10	75/85 (88%)	70 (93%)	5 (7%)	0	100 100
22	20	75/85 (88%)	70 (93%)	4 (5%)	1 (1%)	10 21
23	11	95/98 (97%)	87 (92%)	7 (7%)	1 (1%)	12 26
23	21	95/98 (97%)	91 (96%)	3 (3%)	1 (1%)	12 26
24	12	68/72 (94%)	66 (97%)	2 (3%)	0	100 100
24	22	68/72 (94%)	64 (94%)	4 (6%)	0	100 100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100 100
25	23	57/60 (95%)	54 (95%)	3 (5%)	0	100 100
26	14	67/71 (94%)	52 (78%)	8 (12%)	7 (10%)	0 0
26	24	67/71 (94%)	50 (75%)	15 (22%)	2 (3%)	3 6

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
28	16	51/54 (94%)	48 (94%)	3 (6%)	0	100	100
28	26	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
29	17	46/49 (94%)	46 (100%)	0	0	100	100
29	27	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	60 (97%)	2 (3%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	193 (84%)	26 (11%)	10 (4%)	2	2
33	2b	229/256 (90%)	188 (82%)	33 (14%)	8 (4%)	3	4
34	1c	204/239 (85%)	173 (85%)	26 (13%)	5 (2%)	4	8
34	2c	204/239 (85%)	171 (84%)	29 (14%)	4 (2%)	6	12
35	1d	206/209 (99%)	186 (90%)	19 (9%)	1 (0%)	25	47
35	2d	206/209 (99%)	181 (88%)	18 (9%)	7 (3%)	3	5
36	1e	146/162 (90%)	132 (90%)	10 (7%)	4 (3%)	4	7
36	2e	146/162 (90%)	131 (90%)	15 (10%)	0	100	100
37	1f	98/101 (97%)	91 (93%)	7 (7%)	0	100	100
37	2f	98/101 (97%)	92 (94%)	6 (6%)	0	100	100
38	1g	153/156 (98%)	143 (94%)	8 (5%)	2 (1%)	10	21
38	2g	153/156 (98%)	136 (89%)	13 (8%)	4 (3%)	4	7
39	1h	135/138 (98%)	125 (93%)	9 (7%)	1 (1%)	19	38
39	2h	135/138 (98%)	127 (94%)	7 (5%)	1 (1%)	19	38
40	1i	125/128 (98%)	104 (83%)	15 (12%)	6 (5%)	2	2
40	2i	124/128 (97%)	106 (86%)	14 (11%)	4 (3%)	3	5
41	1j	95/105 (90%)	72 (76%)	19 (20%)	4 (4%)	2	3
41	2j	94/105 (90%)	79 (84%)	12 (13%)	3 (3%)	3	5
42	1k	112/129 (87%)	101 (90%)	8 (7%)	3 (3%)	4	7
42	2k	112/129 (87%)	105 (94%)	6 (5%)	1 (1%)	14	31
43	1l	119/132 (90%)	109 (92%)	10 (8%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
43	2l	119/132 (90%)	110 (92%)	9 (8%)	0	100 100
44	1m	114/126 (90%)	101 (89%)	8 (7%)	5 (4%)	2 2
44	2m	112/126 (89%)	98 (88%)	13 (12%)	1 (1%)	14 31
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100 100
45	2n	58/61 (95%)	52 (90%)	6 (10%)	0	100 100
46	1o	86/89 (97%)	78 (91%)	7 (8%)	1 (1%)	11 24
46	2o	86/89 (97%)	82 (95%)	3 (4%)	1 (1%)	11 24
47	1p	80/88 (91%)	66 (82%)	14 (18%)	0	100 100
47	2p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	10 21
48	1q	97/105 (92%)	87 (90%)	9 (9%)	1 (1%)	13 29
48	2q	97/105 (92%)	90 (93%)	6 (6%)	1 (1%)	13 29
49	1r	66/88 (75%)	63 (96%)	2 (3%)	1 (2%)	8 18
49	2r	66/88 (75%)	63 (96%)	3 (4%)	0	100 100
50	1s	81/93 (87%)	72 (89%)	8 (10%)	1 (1%)	11 24
50	2s	81/93 (87%)	71 (88%)	8 (10%)	2 (2%)	4 8
51	1t	94/106 (89%)	87 (93%)	5 (5%)	2 (2%)	5 11
51	2t	96/106 (91%)	88 (92%)	5 (5%)	3 (3%)	3 5
52	1u	21/27 (78%)	18 (86%)	3 (14%)	0	100 100
52	2u	21/27 (78%)	17 (81%)	4 (19%)	0	100 100
53	1y	95/113 (84%)	91 (96%)	4 (4%)	0	100 100
53	2y	94/113 (83%)	90 (96%)	4 (4%)	0	100 100
54	1z	16/18 (89%)	14 (88%)	1 (6%)	1 (6%)	1 1
54	2z	16/18 (89%)	12 (75%)	3 (19%)	1 (6%)	1 1
All	All	11661/12390 (94%)	10637 (91%)	859 (7%)	165 (1%)	9 19

5 of 165 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
6	1G	43	LEU
6	1G	47	LYS
6	1G	50	ALA
21	1Z	53	ILE
26	14	47	GLN

5.3.2 Protein sidechains (i)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	1D	214/218 (98%)	194 (91%)	20 (9%)	7 15
3	2D	215/218 (99%)	194 (90%)	21 (10%)	6 13
4	1E	164/166 (99%)	151 (92%)	13 (8%)	10 21
4	2E	164/166 (99%)	153 (93%)	11 (7%)	13 29
5	1F	160/166 (96%)	146 (91%)	14 (9%)	8 17
5	2F	159/166 (96%)	148 (93%)	11 (7%)	13 28
6	1G	144/156 (92%)	132 (92%)	12 (8%)	9 19
6	2G	142/156 (91%)	129 (91%)	13 (9%)	7 15
7	1H	144/148 (97%)	138 (96%)	6 (4%)	25 50
7	2H	143/148 (97%)	119 (83%)	24 (17%)	1 3
8	1I	111/124 (90%)	98 (88%)	13 (12%)	4 8
8	2I	108/124 (87%)	99 (92%)	9 (8%)	9 19
9	1N	119/119 (100%)	105 (88%)	14 (12%)	4 8
9	2N	118/119 (99%)	108 (92%)	10 (8%)	8 18
10	1O	100/100 (100%)	91 (91%)	9 (9%)	8 16
10	2O	100/100 (100%)	96 (96%)	4 (4%)	27 52
11	1P	115/116 (99%)	107 (93%)	8 (7%)	12 27
11	2P	115/116 (99%)	105 (91%)	10 (9%)	8 17
12	1Q	111/111 (100%)	104 (94%)	7 (6%)	15 32
12	2Q	111/111 (100%)	100 (90%)	11 (10%)	6 13
13	1R	101/101 (100%)	96 (95%)	5 (5%)	20 43
13	2R	101/101 (100%)	93 (92%)	8 (8%)	10 21
14	1S	87/88 (99%)	80 (92%)	7 (8%)	10 21
14	2S	85/88 (97%)	76 (89%)	9 (11%)	5 11
15	1T	115/127 (91%)	110 (96%)	5 (4%)	25 49
15	2T	113/127 (89%)	105 (93%)	8 (7%)	12 26

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
16	1U	93/94 (99%)	86 (92%)	7 (8%)	11 24
16	2U	93/94 (99%)	88 (95%)	5 (5%)	18 39
17	1V	81/82 (99%)	77 (95%)	4 (5%)	21 43
17	2V	80/82 (98%)	72 (90%)	8 (10%)	6 13
18	1W	90/92 (98%)	82 (91%)	8 (9%)	8 17
18	2W	90/92 (98%)	84 (93%)	6 (7%)	13 29
19	1X	77/78 (99%)	73 (95%)	4 (5%)	19 41
19	2X	77/78 (99%)	74 (96%)	3 (4%)	27 53
20	1Y	86/91 (94%)	75 (87%)	11 (13%)	3 7
20	2Y	86/91 (94%)	76 (88%)	10 (12%)	4 9
21	1Z	169/179 (94%)	155 (92%)	14 (8%)	9 19
21	2Z	165/179 (92%)	141 (86%)	24 (14%)	2 4
22	10	61/67 (91%)	58 (95%)	3 (5%)	21 43
22	20	61/67 (91%)	57 (93%)	4 (7%)	14 30
23	11	79/83 (95%)	75 (95%)	4 (5%)	20 42
23	21	81/83 (98%)	71 (88%)	10 (12%)	4 8
24	12	65/67 (97%)	63 (97%)	2 (3%)	35 62
24	22	66/67 (98%)	59 (89%)	7 (11%)	5 11
25	13	51/52 (98%)	46 (90%)	5 (10%)	6 13
25	23	50/52 (96%)	46 (92%)	4 (8%)	10 21
26	14	58/63 (92%)	49 (84%)	9 (16%)	2 3
26	24	54/63 (86%)	47 (87%)	7 (13%)	3 6
27	15	51/52 (98%)	48 (94%)	3 (6%)	16 35
27	25	50/52 (96%)	46 (92%)	4 (8%)	10 21
28	16	51/52 (98%)	44 (86%)	7 (14%)	3 5
28	26	50/52 (96%)	45 (90%)	5 (10%)	6 13
29	17	41/42 (98%)	37 (90%)	4 (10%)	6 13
29	27	41/42 (98%)	36 (88%)	5 (12%)	4 8
30	18	54/55 (98%)	48 (89%)	6 (11%)	5 10
30	28	54/55 (98%)	50 (93%)	4 (7%)	11 24
31	19	34/34 (100%)	33 (97%)	1 (3%)	37 64

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
31	29	34/34 (100%)	33 (97%)	1 (3%)	37 64
33	1b	191/220 (87%)	165 (86%)	26 (14%)	3 5
33	2b	187/220 (85%)	165 (88%)	22 (12%)	4 8
34	1c	144/188 (77%)	130 (90%)	14 (10%)	6 14
34	2c	140/188 (74%)	125 (89%)	15 (11%)	5 11
35	1d	171/181 (94%)	151 (88%)	20 (12%)	4 8
35	2d	172/181 (95%)	151 (88%)	21 (12%)	4 8
36	1e	114/123 (93%)	101 (89%)	13 (11%)	4 9
36	2e	114/123 (93%)	99 (87%)	15 (13%)	3 6
37	1f	85/90 (94%)	75 (88%)	10 (12%)	4 8
37	2f	85/90 (94%)	77 (91%)	8 (9%)	7 15
38	1g	120/127 (94%)	111 (92%)	9 (8%)	11 24
38	2g	119/127 (94%)	108 (91%)	11 (9%)	7 15
39	1h	116/119 (98%)	104 (90%)	12 (10%)	6 12
39	2h	114/119 (96%)	104 (91%)	10 (9%)	8 17
40	1i	91/99 (92%)	76 (84%)	15 (16%)	2 3
40	2i	88/99 (89%)	77 (88%)	11 (12%)	3 7
41	1j	68/92 (74%)	62 (91%)	6 (9%)	8 17
41	2j	68/92 (74%)	58 (85%)	10 (15%)	2 4
42	1k	83/99 (84%)	77 (93%)	6 (7%)	12 26
42	2k	83/99 (84%)	77 (93%)	6 (7%)	12 26
43	1l	96/108 (89%)	88 (92%)	8 (8%)	9 19
43	2l	96/108 (89%)	87 (91%)	9 (9%)	7 15
44	1m	90/101 (89%)	86 (96%)	4 (4%)	24 48
44	2m	87/101 (86%)	78 (90%)	9 (10%)	6 12
45	1n	49/50 (98%)	40 (82%)	9 (18%)	1 2
45	2n	49/50 (98%)	45 (92%)	4 (8%)	9 20
46	1o	78/80 (98%)	73 (94%)	5 (6%)	14 32
46	2o	78/80 (98%)	73 (94%)	5 (6%)	14 32
47	1p	69/74 (93%)	58 (84%)	11 (16%)	2 3
47	2p	68/74 (92%)	60 (88%)	8 (12%)	4 8

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
48	1q	94/97 (97%)	86 (92%)	8 (8%)	8 18
48	2q	94/97 (97%)	87 (93%)	7 (7%)	11 24
49	1r	59/77 (77%)	56 (95%)	3 (5%)	20 42
49	2r	59/77 (77%)	55 (93%)	4 (7%)	13 28
50	1s	68/80 (85%)	62 (91%)	6 (9%)	8 17
50	2s	67/80 (84%)	62 (92%)	5 (8%)	11 24
51	1t	71/82 (87%)	64 (90%)	7 (10%)	6 13
51	2t	70/82 (85%)	65 (93%)	5 (7%)	12 26
52	1u	18/22 (82%)	17 (94%)	1 (6%)	17 38
52	2u	18/22 (82%)	17 (94%)	1 (6%)	17 38
53	1y	82/98 (84%)	73 (89%)	9 (11%)	5 10
53	2y	79/98 (81%)	72 (91%)	7 (9%)	8 17
54	1z	13/13 (100%)	13 (100%)	0	100 100
54	2z	13/13 (100%)	10 (77%)	3 (23%)	0 1
All	All	9550/10286 (93%)	8671 (91%)	879 (9%)	7 15

5 of 879 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
5	2F	53	THR
15	2T	96	ARG
54	2z	4	SER
41	2j	38	ILE
6	2G	91	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 131 such sidechains are listed below:

Mol	Chain	Res	Type
44	2m	62	ASN
46	2o	28	GLN
53	2y	46	GLN
41	1j	84	GLN
41	1j	56	HIS

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	447 (15%)	44 (1%)
1	2A	2857/2915 (98%)	505 (17%)	47 (1%)
2	1B	119/121 (98%)	13 (10%)	0
2	2B	119/121 (98%)	22 (18%)	0
32	1a	1494/1521 (98%)	261 (17%)	0
32	2a	1498/1521 (98%)	265 (17%)	0
All	All	8951/9114 (98%)	1513 (16%)	91 (1%)

5 of 1513 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	23	G
1	1A	34	C
1	1A	36	G
1	1A	45	C

5 of 91 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	774	A
1	2A	1379	A
1	2A	840	C
1	2A	1065	U
1	2A	1491	G

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

48 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
1	PSU	2A	1917	1,55	18,21,22	1.51	3 (16%)	21,30,33	2.10	4 (19%)
1	2MA	2A	2503	1,55	17,25,26	1.11	2 (11%)	16,37,40	1.65	4 (25%)
1	5MU	2A	1915	1	19,22,23	1.53	3 (15%)	27,32,35	2.28	9 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
1	5MC	2A	1962	1,55	19,22,23	1.69	3 (15%)	26,32,35	1.45	3 (11%)
32	M2G	1a	966	55,32	20,27,28	1.38	3 (15%)	19,40,43	1.03	2 (10%)
32	5MC	2a	1400	32	19,22,23	1.97	3 (15%)	26,32,35	1.35	3 (11%)
1	OMC	1A	1920	1,55	19,22,23	0.83	1 (5%)	25,31,34	1.01	0
1	5MC	1A	1962	1,55	19,22,23	1.42	3 (15%)	26,32,35	1.27	3 (11%)
32	4OC	2a	1402	32	20,23,24	0.76	1 (5%)	25,32,35	1.12	2 (8%)
1	OMU	1A	2552	1,55	19,22,23	1.29	3 (15%)	25,31,34	1.86	5 (20%)
43	0TD	2l	92	43	8,9,10	4.88	3 (37%)	6,11,13	2.65	2 (33%)
1	5MU	2A	1939	1,55	19,22,23	1.63	5 (26%)	27,32,35	2.35	6 (22%)
32	5MC	1a	967	32	19,22,23	1.48	2 (10%)	26,32,35	1.14	1 (3%)
32	G7M	1a	527	32	20,26,27	1.32	3 (15%)	16,39,42	0.86	0
1	5MU	1A	1939	1,55	19,22,23	1.64	4 (21%)	27,32,35	2.25	6 (22%)
32	5MC	1a	1400	32	19,22,23	1.55	3 (15%)	26,32,35	1.21	3 (11%)
1	OMG	1A	2251	1,55	19,26,27	0.96	1 (5%)	21,38,41	1.14	1 (4%)
32	PSU	2a	516	55,32	18,21,22	1.30	3 (16%)	21,30,33	2.13	6 (28%)
1	PSU	2A	2605	1	18,21,22	1.36	1 (5%)	21,30,33	2.53	4 (19%)
1	OMC	2A	1920	1	19,22,23	0.77	0	25,31,34	0.84	0
1	5MC	1A	1942	1	19,22,23	1.63	3 (15%)	26,32,35	1.47	2 (7%)
1	PSU	1A	2605	1,55	18,21,22	1.54	3 (16%)	21,30,33	1.94	4 (19%)
1	PSU	1A	1911	1	18,21,22	1.45	2 (11%)	21,30,33	2.03	5 (23%)
32	UR3	1a	1498	32	19,22,23	1.00	1 (5%)	26,32,35	1.67	3 (11%)
43	0TD	1l	92	43	8,9,10	3.96	2 (25%)	6,11,13	4.26	2 (33%)
32	2MG	2a	1207	32	18,26,27	0.90	1 (5%)	16,38,41	1.44	3 (18%)
1	PSU	2A	1911	1	18,21,22	1.43	3 (16%)	21,30,33	1.86	6 (28%)
32	MA6	2a	1518	32	19,26,27	1.08	2 (10%)	18,38,41	1.87	3 (16%)
32	G7M	2a	527	32	20,26,27	1.18	2 (10%)	16,39,42	0.59	0
32	5MC	2a	1404	32	19,22,23	1.55	3 (15%)	26,32,35	1.35	3 (11%)
32	4OC	1a	1402	32	20,23,24	0.78	0	25,32,35	0.86	1 (4%)
1	OMU	2A	2552	1,55	19,22,23	1.40	3 (15%)	25,31,34	1.80	5 (20%)
32	MA6	1a	1518	32	19,26,27	1.06	2 (10%)	18,38,41	2.04	4 (22%)
1	5MU	1A	1915	1,55	19,22,23	1.45	5 (26%)	27,32,35	2.46	8 (29%)
1	PSU	1A	1917	1	18,21,22	1.43	2 (11%)	21,30,33	2.08	3 (14%)
32	5MC	1a	1407	32	19,22,23	1.73	3 (15%)	26,32,35	1.05	3 (11%)
32	M2G	2a	966	55,32	20,27,28	1.39	2 (10%)	19,40,43	0.96	1 (5%)
32	MA6	2a	1519	32	19,26,27	1.01	2 (10%)	18,38,41	1.86	3 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
32	UR3	2a	1498	55,32	19,22,23	0.95	1 (5%)	26,32,35	1.84	3 (11%)
32	2MG	1a	1207	55,32	18,26,27	1.07	1 (5%)	16,38,41	1.99	6 (37%)
1	5MC	2A	1942	1	19,22,23	1.56	3 (15%)	26,32,35	1.19	2 (7%)
32	5MC	2a	1407	32	19,22,23	1.52	3 (15%)	26,32,35	1.27	3 (11%)
1	OMG	2A	2251	1,55	19,26,27	0.88	0	21,38,41	1.33	3 (14%)
32	MA6	1a	1519	32	19,26,27	1.11	1 (5%)	18,38,41	1.77	3 (16%)
1	2MA	1A	2503	1,55	17,25,26	1.10	1 (5%)	16,37,40	1.47	3 (18%)
32	5MC	1a	1404	32	19,22,23	1.68	3 (15%)	26,32,35	1.19	3 (11%)
32	PSU	1a	516	55,32	18,21,22	1.33	3 (16%)	21,30,33	1.75	4 (19%)
32	5MC	2a	967	32	19,22,23	1.85	3 (15%)	26,32,35	1.26	1 (3%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	2A	1917	1,55	-	1/7/25/26	0/2/2/2
1	2MA	2A	2503	1,55	-	1/3/25/26	0/3/3/3
1	5MU	2A	1915	1	-	2/7/25/26	0/2/2/2
1	5MC	2A	1962	1,55	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	55,32	-	0/7/29/30	0/3/3/3
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
1	OMC	1A	1920	1,55	-	0/9/27/28	0/2/2/2
1	5MC	1A	1962	1,55	-	2/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	0/9/29/30	0/2/2/2
1	OMU	1A	2552	1,55	-	0/9/27/28	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-
1	5MU	2A	1939	1,55	-	2/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
32	G7M	1a	527	32	-	3/3/25/26	0/3/3/3
1	5MU	1A	1939	1,55	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	1,55	-	1/5/27/28	0/3/3/3
32	PSU	2a	516	55,32	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	1,55	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	3/7/12/14	-
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	G7M	2a	527	32	-	1/3/25/26	0/3/3/3
32	5MC	2a	1404	32	-	2/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
1	OMU	2A	2552	1,55	-	0/9/27/28	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
1	5MU	1A	1915	1,55	-	2/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	55,32	-	0/7/29/30	0/3/3/3
32	MA6	2a	1519	32	-	3/7/29/30	0/3/3/3
32	UR3	2a	1498	55,32	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	55,32	-	0/5/27/28	0/3/3/3
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	1,55	-	0/5/27/28	0/3/3/3
32	MA6	1a	1519	32	-	3/7/29/30	0/3/3/3
1	2MA	1A	2503	1,55	-	1/3/25/26	0/3/3/3
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	55,32	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2

The worst 5 of 110 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.99	1.69	1.82
43	1l	92	0TD	CB-SB	-10.63	1.71	1.82
32	2a	1400	5MC	C5-C4	7.55	1.49	1.44
32	2a	967	5MC	C5-C4	6.94	1.49	1.44
32	1a	1407	5MC	C5-C4	6.41	1.49	1.44

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
43	1l	92	0TD	CSB-SB-CB	-9.94	84.49	102.36
32	2a	1498	UR3	C4-N3-C2	-7.63	118.44	124.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2A	2605	PSU	N1-C2-N3	7.24	122.81	115.17
1	2A	1917	PSU	N1-C2-N3	7.07	122.62	115.17
32	1a	1498	UR3	C4-N3-C2	-6.80	119.11	124.58

There are no chirality outliers.

5 of 31 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1915	5MU	O4'-C1'-N1-C2
1	1A	1915	5MU	O4'-C1'-N1-C6
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	O-C-CA-CB
1	2A	1915	5MU	O4'-C1'-N1-C2

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2538 ligands modelled in this entry, 2532 are monoatomic - leaving 6 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
59	SF4	2d	501	35	0,12,12	-	-	-		
57	MPD	1T	206	-	7,7,7	0.35	0	9,10,10	0.57	0
57	MPD	2A	3746	-	7,7,7	0.43	0	9,10,10	0.50	0
59	SF4	1d	306	35	0,12,12	-	-	-		
57	MPD	18	102	-	7,7,7	0.40	0	9,10,10	0.62	0
56	ARG	1B	232	55	10,11,11	0.94	1 (10%)	9,13,13	1.13	1 (11%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
59	SF4	2d	501	35	-	-	0/6/5/5
57	MPD	1T	206	-	-	3/5/5/5	-
57	MPD	2A	3746	-	-	4/5/5/5	-
59	SF4	1d	306	35	-	-	0/6/5/5
57	MPD	18	102	-	-	2/5/5/5	-
56	ARG	1B	232	55	-	3/11/11/11	-

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
56	1B	232	ARG	OXT-C	-2.75	1.21	1.30

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
56	1B	232	ARG	OXT-C-O	-3.08	117.09	124.08

There are no chirality outliers.

5 of 12 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
57	18	102	MPD	C2-C3-C4-O4
56	1B	232	ARG	NE-CD-CG-CB
56	1B	232	ARG	CA-CB-CG-CD
56	1B	232	ARG	OXT-C-CA-N
57	18	102	MPD	C2-C3-C4-C5

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 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	2861/2915 (98%)	-0.47	199 (6%) 24 19	17, 32, 89, 101	0
1	2A	2856/2915 (97%)	-0.02	207 (7%) 23 18	26, 48, 89, 100	0
2	1B	120/121 (99%)	-0.16	2 (1%) 69 64	29, 48, 62, 79	0
2	2B	120/121 (99%)	0.50	2 (1%) 69 64	49, 68, 75, 83	0
3	1D	275/276 (99%)	-0.52	1 (0%) 89 86	17, 32, 45, 72	0
3	2D	275/276 (99%)	-0.20	3 (1%) 77 74	26, 41, 54, 75	0
4	1E	204/206 (99%)	-0.40	1 (0%) 87 84	17, 35, 58, 75	0
4	2E	204/206 (99%)	-0.05	1 (0%) 87 84	28, 48, 64, 73	0
5	1F	203/210 (96%)	-0.40	1 (0%) 87 84	16, 36, 63, 74	0
5	2F	203/210 (96%)	0.18	0 100 100	28, 57, 71, 81	0
6	1G	181/182 (99%)	0.42	8 (4%) 39 33	44, 60, 74, 83	0
6	2G	181/182 (99%)	1.22	31 (17%) 5 4	62, 74, 81, 85	0
7	1H	174/180 (96%)	-0.05	2 (1%) 77 74	32, 47, 61, 67	0
7	2H	173/180 (96%)	0.94	11 (6%) 27 21	61, 71, 80, 83	0
8	1I	147/148 (99%)	0.51	2 (1%) 73 68	38, 64, 73, 80	0
8	2I	146/148 (98%)	0.47	3 (2%) 63 58	47, 64, 75, 81	0
9	1N	140/140 (100%)	-0.41	0 100 100	24, 34, 56, 63	0
9	2N	140/140 (100%)	0.08	2 (1%) 73 68	37, 54, 67, 74	0
10	1O	122/122 (100%)	-0.47	0 100 100	26, 35, 52, 58	0
10	2O	122/122 (100%)	-0.14	0 100 100	37, 46, 60, 68	0
11	1P	149/150 (99%)	-0.32	1 (0%) 84 81	18, 40, 60, 76	0
11	2P	149/150 (99%)	0.23	3 (2%) 64 59	30, 59, 73, 82	0
12	1Q	141/141 (100%)	-0.37	0 100 100	24, 36, 48, 69	0
12	2Q	141/141 (100%)	0.23	2 (1%) 73 68	37, 54, 66, 73	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.52	0 100 100	23, 31, 42, 52	0
13	2R	118/118 (100%)	-0.09	0 100 100	33, 45, 54, 62	0
14	1S	110/112 (98%)	-0.07	0 100 100	36, 49, 60, 66	0
14	2S	110/112 (98%)	0.68	6 (5%) 32 26	55, 64, 70, 74	0
15	1T	131/146 (89%)	-0.22	4 (3%) 51 46	30, 39, 61, 75	0
15	2T	131/146 (89%)	0.16	3 (2%) 61 55	42, 50, 71, 77	0
16	1U	116/118 (98%)	-0.63	0 100 100	20, 28, 42, 61	0
16	2U	116/118 (98%)	0.07	0 100 100	32, 48, 64, 71	0
17	1V	101/101 (100%)	-0.57	0 100 100	20, 38, 52, 59	0
17	2V	101/101 (100%)	0.26	1 (0%) 79 75	34, 59, 67, 73	0
18	1W	112/113 (99%)	-0.52	1 (0%) 81 77	19, 27, 47, 80	0
18	2W	112/113 (99%)	-0.20	1 (0%) 81 77	33, 42, 57, 81	0
19	1X	95/96 (98%)	-0.30	1 (1%) 77 74	25, 34, 59, 69	0
19	2X	95/96 (98%)	0.23	2 (2%) 63 58	37, 51, 65, 73	0
20	1Y	107/110 (97%)	-0.02	1 (0%) 81 77	31, 44, 60, 72	0
20	2Y	107/110 (97%)	0.78	10 (9%) 16 13	48, 61, 72, 75	0
21	1Z	203/206 (98%)	0.36	8 (3%) 44 38	39, 54, 69, 82	0
21	2Z	201/206 (97%)	0.77	8 (3%) 43 37	56, 68, 77, 88	0
22	10	77/85 (90%)	-0.29	0 100 100	27, 35, 55, 57	0
22	20	77/85 (90%)	0.43	1 (1%) 74 70	44, 55, 65, 72	0
23	11	97/98 (98%)	-0.18	2 (2%) 63 58	23, 39, 62, 69	0
23	21	97/98 (98%)	0.13	4 (4%) 42 36	33, 49, 66, 72	0
24	12	70/72 (97%)	-0.15	1 (1%) 73 68	29, 43, 52, 79	0
24	22	70/72 (97%)	0.50	2 (2%) 54 48	52, 60, 69, 75	0
25	13	59/60 (98%)	-0.46	1 (1%) 69 64	26, 33, 56, 67	0
25	23	59/60 (98%)	0.12	2 (3%) 48 42	42, 52, 67, 72	0
26	14	69/71 (97%)	1.00	14 (20%) 3 3	53, 73, 85, 87	0
26	24	69/71 (97%)	1.83	24 (34%) 1 1	70, 80, 89, 91	0
27	15	59/60 (98%)	-0.49	0 100 100	17, 31, 53, 62	0
27	25	59/60 (98%)	-0.17	0 100 100	29, 43, 59, 68	0
28	16	53/54 (98%)	-0.51	0 100 100	30, 37, 51, 54	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/54 (98%)	0.11	0 100 100	44, 52, 61, 65	0
29	17	48/49 (97%)	-0.44	4 (8%) 19 15	19, 23, 50, 61	0
29	27	48/49 (97%)	-0.15	3 (6%) 27 22	28, 34, 58, 66	0
30	18	64/65 (98%)	-0.58	0 100 100	25, 30, 38, 44	0
30	28	64/65 (98%)	0.01	0 100 100	37, 46, 52, 59	0
31	19	37/37 (100%)	-0.26	0 100 100	27, 36, 52, 56	0
31	29	37/37 (100%)	0.63	0 100 100	47, 56, 64, 70	0
32	1a	1488/1521 (97%)	0.52	107 (7%) 23 18	30, 64, 87, 100	0
32	2a	1492/1521 (98%)	0.60	111 (7%) 22 18	38, 67, 87, 101	0
33	1b	231/256 (90%)	1.06	29 (12%) 9 7	59, 72, 82, 91	0
33	2b	231/256 (90%)	1.21	39 (16%) 5 4	61, 74, 83, 86	0
34	1c	206/239 (86%)	0.81	12 (5%) 30 24	58, 70, 79, 83	0
34	2c	206/239 (86%)	1.21	22 (10%) 12 10	66, 76, 81, 85	0
35	1d	208/209 (99%)	0.85	13 (6%) 27 22	49, 65, 74, 80	0
35	2d	208/209 (99%)	0.75	9 (4%) 40 34	51, 63, 72, 77	0
36	1e	148/162 (91%)	0.37	0 100 100	37, 59, 70, 77	0
36	2e	148/162 (91%)	0.69	7 (4%) 37 32	49, 64, 74, 80	0
37	1f	100/101 (99%)	0.50	2 (2%) 64 59	49, 62, 71, 76	0
37	2f	100/101 (99%)	0.22	1 (1%) 79 75	49, 60, 69, 70	0
38	1g	155/156 (99%)	0.70	8 (5%) 34 28	59, 67, 75, 81	0
38	2g	155/156 (99%)	0.98	16 (10%) 13 11	64, 72, 78, 82	0
39	1h	137/138 (99%)	0.40	1 (0%) 84 81	50, 61, 67, 72	0
39	2h	137/138 (99%)	0.56	2 (1%) 71 67	54, 63, 69, 74	0
40	1i	127/128 (99%)	1.64	47 (37%) 1 1	58, 75, 80, 85	0
40	2i	126/128 (98%)	1.78	51 (40%) 1 1	64, 77, 81, 83	0
41	1j	97/105 (92%)	1.60	27 (27%) 2 1	62, 75, 83, 88	0
41	2j	96/105 (91%)	2.00	41 (42%) 1 1	69, 78, 84, 86	0
42	1k	114/129 (88%)	0.39	6 (5%) 33 28	37, 57, 69, 77	0
42	2k	114/129 (88%)	0.55	4 (3%) 47 41	47, 61, 73, 76	0
43	1l	121/132 (91%)	0.23	1 (0%) 82 79	42, 52, 63, 69	0
43	2l	121/132 (91%)	0.38	3 (2%) 58 53	46, 57, 66, 73	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	116/126 (92%)	0.87	9 (7%) 20 17	56, 68, 75, 81	0
44	2m	114/126 (90%)	1.15	12 (10%) 13 11	69, 75, 80, 83	0
45	1n	60/61 (98%)	1.06	6 (10%) 14 12	61, 69, 72, 74	0
45	2n	60/61 (98%)	1.72	19 (31%) 1 1	69, 75, 80, 82	0
46	1o	88/89 (98%)	0.42	3 (3%) 48 42	44, 61, 73, 76	0
46	2o	88/89 (98%)	0.46	4 (4%) 39 33	48, 61, 71, 76	0
47	1p	82/88 (93%)	1.11	10 (12%) 10 7	54, 65, 74, 80	0
47	2p	82/88 (93%)	0.77	6 (7%) 22 18	52, 62, 71, 75	0
48	1q	99/105 (94%)	0.56	2 (2%) 64 59	50, 61, 70, 77	0
48	2q	99/105 (94%)	0.39	1 (1%) 79 75	48, 61, 69, 73	0
49	1r	68/88 (77%)	0.43	3 (4%) 39 33	49, 60, 74, 77	0
49	2r	68/88 (77%)	0.35	1 (1%) 71 67	51, 59, 71, 74	0
50	1s	83/93 (89%)	1.16	16 (19%) 4 3	57, 71, 80, 84	0
50	2s	83/93 (89%)	1.51	22 (26%) 2 2	70, 77, 83, 87	0
51	1t	96/106 (90%)	0.89	10 (10%) 13 11	55, 65, 74, 77	0
51	2t	98/106 (92%)	0.74	8 (8%) 19 16	52, 61, 74, 75	0
52	1u	23/27 (85%)	1.38	4 (17%) 5 4	63, 67, 72, 74	0
52	2u	23/27 (85%)	2.10	13 (56%) 0 0	70, 75, 77, 83	0
53	1y	97/113 (85%)	0.35	5 (5%) 34 28	45, 57, 66, 75	0
53	2y	96/113 (84%)	1.08	12 (12%) 9 7	61, 68, 76, 80	0
54	1z	18/18 (100%)	0.85	2 (11%) 12 9	58, 65, 76, 77	0
54	2z	18/18 (100%)	1.23	5 (27%) 2 1	68, 74, 83, 83	0
All	All	20802/21504 (96%)	0.24	1318 (6%) 27 22	16, 56, 81, 101	0

The worst 5 of 1318 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1064	C	9.6
1	1A	1076	C	8.3
1	2A	2174	C	8.2
1	2A	2173	A	8.1
45	2n	2	ALA	8.1

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 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
1	5MU	2A	1915	21/22	0.85	0.11	68,75,79,92	0
1	5MU	1A	1915	21/22	0.86	0.12	65,76,82,86	0
32	2MG	2a	1207	24/25	0.89	0.12	71,75,81,84	0
1	PSU	1A	1917	20/21	0.90	0.12	56,65,71,77	0
32	5MC	2a	967	21/22	0.91	0.14	58,65,76,82	0
32	M2G	2a	966	25/26	0.91	0.14	55,64,75,76	0
1	PSU	1A	1911	20/21	0.92	0.10	55,61,66,67	0
32	G7M	2a	527	24/25	0.93	0.11	53,59,63,65	0
32	2MG	1a	1207	24/25	0.93	0.10	60,68,72,75	0
1	PSU	2A	1911	20/21	0.93	0.08	56,60,74,78	0
32	5MC	1a	967	21/22	0.93	0.11	56,62,71,77	0
32	4OC	2a	1402	22/23	0.93	0.10	47,51,57,62	0
1	PSU	2A	1917	20/21	0.94	0.07	57,66,72,77	0
32	M2G	1a	966	25/26	0.94	0.10	54,58,63,68	0
43	0TD	2l	92	10/11	0.94	0.10	52,57,60,65	0
32	PSU	1a	516	20/21	0.95	0.10	50,59,64,68	0
32	G7M	1a	527	24/25	0.95	0.10	43,52,54,57	0
32	PSU	2a	516	20/21	0.95	0.08	63,67,73,74	0
43	0TD	1l	92	10/11	0.96	0.09	49,51,56,58	0
1	OMC	1A	1920	21/22	0.96	0.09	47,52,56,60	0
32	5MC	1a	1400	21/22	0.96	0.09	47,53,57,61	0
32	5MC	1a	1407	21/22	0.96	0.10	39,46,51,53	0
32	5MC	2a	1400	21/22	0.96	0.10	49,60,64,68	0
1	5MC	2A	1962	21/22	0.96	0.08	31,39,45,54	0
32	5MC	2a	1404	21/22	0.96	0.08	41,48,51,54	0
32	UR3	2a	1498	21/22	0.96	0.09	47,51,54,60	0
32	MA6	2a	1518	24/25	0.96	0.09	41,52,55,57	0
32	UR3	1a	1498	21/22	0.96	0.10	40,46,48,60	0
32	5MC	1a	1404	21/22	0.97	0.07	39,43,46,48	0
1	5MC	1A	1942	21/22	0.97	0.07	25,32,35,40	0
1	5MC	1A	1962	21/22	0.97	0.07	25,32,37,44	0
1	OMC	2A	1920	21/22	0.97	0.08	52,57,60,61	0
1	5MC	2A	1942	21/22	0.97	0.07	39,44,50,51	0
32	MA6	1a	1518	24/25	0.97	0.08	36,41,46,46	0
32	5MC	2a	1407	21/22	0.97	0.07	43,50,55,58	0
1	PSU	2A	2605	20/21	0.97	0.07	28,32,36,40	0
32	MA6	1a	1519	24/25	0.97	0.09	37,42,46,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
32	MA6	2a	1519	24/25	0.97	0.09	47,50,55,59	0
32	4OC	1a	1402	22/23	0.97	0.09	47,50,55,58	0
1	OMU	1A	2552	21/22	0.98	0.08	23,26,28,33	0
1	OMG	2A	2251	24/25	0.98	0.09	28,34,37,40	0
1	2MA	2A	2503	23/24	0.98	0.06	20,27,30,32	0
1	OMU	2A	2552	21/22	0.98	0.07	27,34,38,39	0
1	PSU	1A	2605	20/21	0.98	0.07	21,23,29,31	0
1	5MU	1A	1939	21/22	0.98	0.08	20,24,26,28	0
1	OMG	1A	2251	24/25	0.98	0.06	20,23,27,28	0
1	5MU	2A	1939	21/22	0.98	0.07	27,31,34,35	0
1	2MA	1A	2503	23/24	0.98	0.06	15,19,22,24	0

6.3 Carbohydrates (i)

There are no monosaccharides in this entry.

6.4 Ligands (i)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1B	230	1/1	0.30	0.27	86,86,86,86	0
55	MG	1A	3751	1/1	0.37	0.26	64,64,64,64	0
55	MG	2A	3347	1/1	0.42	0.25	80,80,80,80	0
55	MG	2a	3173	1/1	0.42	0.27	82,82,82,82	0
55	MG	1A	3645	1/1	0.53	0.29	60,60,60,60	0
55	MG	1a	3115	1/1	0.54	0.26	86,86,86,86	0
55	MG	1a	3199	1/1	0.54	0.31	81,81,81,81	0
55	MG	2a	3123	1/1	0.55	0.32	74,74,74,74	0
55	MG	2A	3083	1/1	0.55	0.20	75,75,75,75	0
55	MG	2A	3242	1/1	0.57	0.31	79,79,79,79	0
55	MG	1a	3207	1/1	0.57	0.34	81,81,81,81	0
55	MG	1A	3292	1/1	0.58	0.17	80,80,80,80	0
55	MG	1A	3756	1/1	0.58	0.40	60,60,60,60	0
55	MG	1A	3893	1/1	0.58	0.27	48,48,48,48	0
55	MG	1a	3201	1/1	0.59	0.30	79,79,79,79	0
55	MG	2a	3176	1/1	0.59	0.29	75,75,75,75	0
55	MG	2a	3039	1/1	0.61	0.18	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3693	1/1	0.62	0.20	77,77,77,77	0
55	MG	1a	3170	1/1	0.63	0.32	68,68,68,68	0
55	MG	1a	3041	1/1	0.63	0.29	69,69,69,69	0
55	MG	2A	3129	1/1	0.64	0.29	64,64,64,64	0
55	MG	2A	3428	1/1	0.64	0.23	52,52,52,52	0
55	MG	2a	3128	1/1	0.64	0.28	65,65,65,65	0
55	MG	1a	3150	1/1	0.64	0.25	60,60,60,60	0
55	MG	2A	3702	1/1	0.64	0.17	57,57,57,57	0
55	MG	2A	3116	1/1	0.65	0.18	73,73,73,73	0
55	MG	1A	3997	1/1	0.65	0.34	35,35,35,35	0
55	MG	2a	3066	1/1	0.65	0.18	82,82,82,82	0
55	MG	2a	3072	1/1	0.65	0.19	70,70,70,70	0
55	MG	1A	3693	1/1	0.66	0.17	76,76,76,76	0
55	MG	1A	3519	1/1	0.66	0.22	59,59,59,59	0
55	MG	2A	3631	1/1	0.67	0.20	68,68,68,68	0
55	MG	2A	3585	1/1	0.67	0.21	68,68,68,68	0
55	MG	2a	3048	1/1	0.67	0.28	73,73,73,73	0
55	MG	2A	3223	1/1	0.68	0.27	71,71,71,71	0
55	MG	1a	3216	1/1	0.68	0.20	66,66,66,66	0
55	MG	1A	4023	1/1	0.68	0.21	46,46,46,46	0
55	MG	2a	3033	1/1	0.68	0.36	69,69,69,69	0
55	MG	1A	3971	1/1	0.68	0.29	88,88,88,88	0
55	MG	1A	3909	1/1	0.68	0.18	49,49,49,49	0
55	MG	1a	3160	1/1	0.69	0.40	73,73,73,73	0
55	MG	2a	3107	1/1	0.69	0.22	86,86,86,86	0
55	MG	2A	3538	1/1	0.69	0.21	69,69,69,69	0
55	MG	1A	3994	1/1	0.69	0.27	81,81,81,81	0
55	MG	1a	3059	1/1	0.69	0.25	75,75,75,75	0
55	MG	1a	3154	1/1	0.69	0.17	56,56,56,56	0
55	MG	1a	3238	1/1	0.70	0.46	81,81,81,81	0
55	MG	1A	3275	1/1	0.70	0.46	63,63,63,63	0
55	MG	2A	3639	1/1	0.70	0.45	58,58,58,58	0
55	MG	2a	3150	1/1	0.70	0.28	87,87,87,87	0
55	MG	2A	3477	1/1	0.70	0.34	80,80,80,80	0
55	MG	1A	3798	1/1	0.70	0.31	61,61,61,61	0
55	MG	2A	3532	1/1	0.71	0.26	78,78,78,78	0
55	MG	1a	3246	1/1	0.71	0.19	73,73,73,73	0
55	MG	1A	3974	1/1	0.72	0.21	63,63,63,63	0
55	MG	1a	3237	1/1	0.72	0.19	58,58,58,58	0
55	MG	1A	3835	1/1	0.72	0.23	56,56,56,56	0
55	MG	1A	3652	1/1	0.72	0.27	70,70,70,70	0
55	MG	2a	3063	1/1	0.72	0.37	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	3065	1/1	0.72	0.32	61,61,61,61	0
55	MG	2A	3224	1/1	0.72	0.20	63,63,63,63	0
55	MG	1a	3226	1/1	0.73	0.21	89,89,89,89	0
55	MG	2A	3368	1/1	0.73	0.26	65,65,65,65	0
55	MG	2a	3080	1/1	0.73	0.33	70,70,70,70	0
55	MG	1A	3762	1/1	0.73	0.22	54,54,54,54	0
55	MG	2A	3144	1/1	0.73	0.21	73,73,73,73	0
55	MG	2A	3183	1/1	0.73	0.16	68,68,68,68	0
55	MG	1a	3079	1/1	0.73	0.22	63,63,63,63	0
55	MG	1a	3081	1/1	0.73	0.19	81,81,81,81	0
55	MG	1A	3894	1/1	0.73	0.19	58,58,58,58	0
55	MG	2j	201	1/1	0.73	0.14	77,77,77,77	0
55	MG	2A	3262	1/1	0.74	0.29	66,66,66,66	0
55	MG	1A	3639	1/1	0.74	0.34	33,33,33,33	0
55	MG	1A	3813	1/1	0.74	0.26	80,80,80,80	0
55	MG	1A	3686	1/1	0.74	0.18	69,69,69,69	0
55	MG	2G	203	1/1	0.74	0.19	74,74,74,74	0
55	MG	1a	3159	1/1	0.74	0.29	77,77,77,77	0
55	MG	1a	3253	1/1	0.74	0.18	69,69,69,69	0
55	MG	2A	3063	1/1	0.74	0.28	67,67,67,67	0
55	MG	2A	3579	1/1	0.74	0.21	54,54,54,54	0
55	MG	1A	3359	1/1	0.74	0.20	54,54,54,54	0
55	MG	2A	3745	1/1	0.75	0.17	71,71,71,71	0
55	MG	2G	202	1/1	0.75	0.23	81,81,81,81	0
55	MG	1A	3699	1/1	0.75	0.17	56,56,56,56	0
55	MG	1A	3725	1/1	0.75	0.17	54,54,54,54	0
55	MG	1A	3311	1/1	0.75	0.21	81,81,81,81	0
55	MG	1A	4007	1/1	0.75	0.17	53,53,53,53	0
55	MG	2A	3665	1/1	0.75	0.15	74,74,74,74	0
55	MG	1A	3152	1/1	0.75	0.23	74,74,74,74	0
55	MG	2A	3280	1/1	0.75	0.25	76,76,76,76	0
55	MG	2p	101	1/1	0.75	0.37	62,62,62,62	0
55	MG	1D	317	1/1	0.76	0.20	42,42,42,42	0
55	MG	2A	3049	1/1	0.76	0.26	70,70,70,70	0
55	MG	1a	3003	1/1	0.76	0.50	74,74,74,74	0
55	MG	1A	3644	1/1	0.76	0.17	65,65,65,65	0
55	MG	1a	3166	1/1	0.76	0.29	64,64,64,64	0
55	MG	2a	3071	1/1	0.76	0.27	67,67,67,67	0
55	MG	1a	3140	1/1	0.76	0.25	78,78,78,78	0
55	MG	2A	3359	1/1	0.76	0.25	77,77,77,77	0
55	MG	1a	3179	1/1	0.76	0.15	87,87,87,87	0
55	MG	2a	3108	1/1	0.76	0.24	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3412	1/1	0.76	0.20	57,57,57,57	0
55	MG	2A	3174	1/1	0.76	0.17	52,52,52,52	0
55	MG	2A	3436	1/1	0.76	0.29	37,37,37,37	0
55	MG	1A	3681	1/1	0.76	0.20	66,66,66,66	0
55	MG	21	101	1/1	0.76	0.17	80,80,80,80	0
55	MG	2a	3025	1/1	0.76	0.18	68,68,68,68	0
55	MG	2A	3527	1/1	0.76	0.26	75,75,75,75	0
55	MG	1b	301	1/1	0.77	0.22	73,73,73,73	0
55	MG	1A	3851	1/1	0.77	0.20	73,73,73,73	0
55	MG	2A	3264	1/1	0.77	0.21	63,63,63,63	0
55	MG	1A	3667	1/1	0.77	0.26	58,58,58,58	0
55	MG	1H	201	1/1	0.77	0.20	64,64,64,64	0
55	MG	2A	3105	1/1	0.77	0.43	64,64,64,64	0
55	MG	1N	203	1/1	0.77	0.14	55,55,55,55	0
55	MG	11	104	1/1	0.77	0.17	53,53,53,53	0
55	MG	1A	3823	1/1	0.77	0.27	76,76,76,76	0
55	MG	1A	3337	1/1	0.77	0.22	64,64,64,64	0
55	MG	2A	3441	1/1	0.77	0.18	66,66,66,66	0
55	MG	1a	3162	1/1	0.77	0.17	58,58,58,58	0
55	MG	2a	3005	1/1	0.77	0.28	61,61,61,61	0
55	MG	2A	3479	1/1	0.77	0.24	65,65,65,65	0
55	MG	1A	3839	1/1	0.77	0.19	49,49,49,49	0
55	MG	1B	216	1/1	0.77	0.15	56,56,56,56	0
57	MPD	1T	206	8/8	0.77	0.24	60,70,72,74	0
55	MG	2A	3490	1/1	0.78	0.15	63,63,63,63	0
55	MG	1A	3792	1/1	0.78	0.30	65,65,65,65	0
55	MG	1a	3108	1/1	0.78	0.15	79,79,79,79	0
55	MG	1a	3222	1/1	0.78	0.15	69,69,69,69	0
55	MG	1a	3273	1/1	0.78	0.18	68,68,68,68	0
55	MG	2A	3121	1/1	0.78	0.21	71,71,71,71	0
55	MG	2A	3587	1/1	0.78	0.17	49,49,49,49	0
55	MG	2a	3135	1/1	0.78	0.21	71,71,71,71	0
55	MG	1a	3151	1/1	0.78	0.19	65,65,65,65	0
55	MG	2A	3464	1/1	0.78	0.15	74,74,74,74	0
55	MG	2A	3470	1/1	0.78	0.15	50,50,50,50	0
55	MG	1o	101	1/1	0.78	0.29	68,68,68,68	0
55	MG	1A	3692	1/1	0.78	0.19	76,76,76,76	0
55	MG	2a	3068	1/1	0.78	0.21	83,83,83,83	0
55	MG	1B	222	1/1	0.79	0.15	40,40,40,40	0
55	MG	1a	3066	1/1	0.79	0.24	73,73,73,73	0
55	MG	2A	3721	1/1	0.79	0.28	85,85,85,85	0
55	MG	2A	3510	1/1	0.79	0.18	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2D	308	1/1	0.79	0.21	63,63,63,63	0
55	MG	1a	3161	1/1	0.79	0.26	69,69,69,69	0
55	MG	1A	3509	1/1	0.79	0.23	47,47,47,47	0
55	MG	2I	201	1/1	0.79	0.14	67,67,67,67	0
55	MG	2A	3227	1/1	0.79	0.27	58,58,58,58	0
55	MG	1A	3243	1/1	0.79	0.23	72,72,72,72	0
55	MG	2A	3247	1/1	0.79	0.14	62,62,62,62	0
55	MG	1A	3162	1/1	0.79	0.29	41,41,41,41	0
55	MG	1a	3172	1/1	0.79	0.22	63,63,63,63	0
55	MG	2A	3637	1/1	0.79	0.22	61,61,61,61	0
55	MG	2A	3476	1/1	0.79	0.14	65,65,65,65	0
55	MG	1r	101	1/1	0.79	0.19	62,62,62,62	0
55	MG	2A	3369	1/1	0.80	0.14	71,71,71,71	0
55	MG	1a	3270	1/1	0.80	0.14	65,65,65,65	0
55	MG	2a	3064	1/1	0.80	0.21	55,55,55,55	0
55	MG	2A	3423	1/1	0.80	0.12	70,70,70,70	0
55	MG	1a	3148	1/1	0.80	0.21	73,73,73,73	0
55	MG	1a	3040	1/1	0.80	0.19	73,73,73,73	0
55	MG	2A	3212	1/1	0.80	0.34	73,73,73,73	0
55	MG	2A	3458	1/1	0.80	0.24	64,64,64,64	0
55	MG	1A	3853	1/1	0.80	0.17	50,50,50,50	0
55	MG	1D	315	1/1	0.80	0.11	61,61,61,61	0
55	MG	2A	3044	1/1	0.80	0.30	64,64,64,64	0
55	MG	1A	4008	1/1	0.80	0.11	98,98,98,98	0
55	MG	1E	307	1/1	0.80	0.17	52,52,52,52	0
55	MG	1A	3643	1/1	0.80	0.43	35,35,35,35	0
55	MG	2A	3097	1/1	0.80	0.32	67,67,67,67	0
55	MG	1a	3084	1/1	0.80	0.39	67,67,67,67	0
55	MG	1A	3568	1/1	0.80	0.21	59,59,59,59	0
55	MG	1B	218	1/1	0.80	0.21	68,68,68,68	0
55	MG	2A	3552	1/1	0.80	0.12	45,45,45,45	0
55	MG	1A	3559	1/1	0.80	0.18	54,54,54,54	0
55	MG	1a	3231	1/1	0.81	0.25	67,67,67,67	0
55	MG	1A	3587	1/1	0.81	0.21	65,65,65,65	0
55	MG	2A	3162	1/1	0.81	0.23	69,69,69,69	0
55	MG	1a	3155	1/1	0.81	0.12	57,57,57,57	0
55	MG	1A	3096	1/1	0.81	0.19	57,57,57,57	0
55	MG	1a	3065	1/1	0.81	0.37	68,68,68,68	0
55	MG	1a	3256	1/1	0.81	0.15	57,57,57,57	0
55	MG	1A	3926	1/1	0.81	0.15	27,27,27,27	0
55	MG	1A	3147	1/1	0.81	0.27	60,60,60,60	0
55	MG	2a	3046	1/1	0.81	0.31	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3230	1/1	0.81	0.14	51,51,51,51	0
55	MG	2A	3512	1/1	0.81	0.20	66,66,66,66	0
55	MG	1A	3189	1/1	0.81	0.30	73,73,73,73	0
55	MG	1A	3421	1/1	0.81	0.15	63,63,63,63	0
55	MG	1a	3090	1/1	0.81	0.24	49,49,49,49	0
55	MG	2A	3024	1/1	0.81	0.17	69,69,69,69	0
55	MG	1A	3576	1/1	0.81	0.29	70,70,70,70	0
55	MG	2A	3337	1/1	0.81	0.20	57,57,57,57	0
55	MG	2A	3344	1/1	0.81	0.19	63,63,63,63	0
55	MG	2a	3089	1/1	0.81	0.33	66,66,66,66	0
55	MG	2A	3627	1/1	0.81	0.18	87,87,87,87	0
55	MG	1A	3579	1/1	0.81	0.19	40,40,40,40	0
55	MG	2A	3355	1/1	0.81	0.23	69,69,69,69	0
55	MG	1a	3138	1/1	0.81	0.20	52,52,52,52	0
55	MG	1A	3584	1/1	0.81	0.26	52,52,52,52	0
55	MG	1A	3862	1/1	0.81	0.20	66,66,66,66	0
55	MG	2a	3171	1/1	0.81	0.14	62,62,62,62	0
55	MG	1a	3029	1/1	0.81	0.26	58,58,58,58	0
55	MG	2A	3706	1/1	0.81	0.19	61,61,61,61	0
55	MG	2a	3189	1/1	0.81	0.20	74,74,74,74	0
55	MG	1A	3772	1/1	0.81	0.19	58,58,58,58	0
55	MG	1a	3230	1/1	0.81	0.19	48,48,48,48	0
55	MG	2B	210	1/1	0.81	0.26	51,51,51,51	0
55	MG	1A	3585	1/1	0.82	0.24	64,64,64,64	0
55	MG	2A	3261	1/1	0.82	0.29	59,59,59,59	0
55	MG	2A	3496	1/1	0.82	0.23	65,65,65,65	0
55	MG	2a	3022	1/1	0.82	0.29	62,62,62,62	0
55	MG	2A	3504	1/1	0.82	0.17	66,66,66,66	0
55	MG	1A	3242	1/1	0.82	0.12	60,60,60,60	0
55	MG	1A	3600	1/1	0.82	0.18	56,56,56,56	0
55	MG	2A	3090	1/1	0.82	0.11	79,79,79,79	0
55	MG	2A	3320	1/1	0.82	0.13	47,47,47,47	0
55	MG	2a	3060	1/1	0.82	0.23	70,70,70,70	0
55	MG	2A	3537	1/1	0.82	0.19	61,61,61,61	0
55	MG	1A	3886	1/1	0.82	0.23	56,56,56,56	0
55	MG	1A	3737	1/1	0.82	0.19	54,54,54,54	0
55	MG	2A	3555	1/1	0.82	0.21	69,69,69,69	0
55	MG	2A	3107	1/1	0.82	0.25	58,58,58,58	0
55	MG	2a	3070	1/1	0.82	0.15	65,65,65,65	0
55	MG	1A	3300	1/1	0.82	0.12	48,48,48,48	0
55	MG	1a	3112	1/1	0.82	0.15	71,71,71,71	0
55	MG	1A	4021	1/1	0.82	0.32	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3011	1/1	0.82	0.25	64,64,64,64	0
55	MG	1A	3309	1/1	0.82	0.19	70,70,70,70	0
55	MG	2A	3418	1/1	0.82	0.16	46,46,46,46	0
55	MG	1A	3383	1/1	0.82	0.20	55,55,55,55	0
55	MG	2A	3691	1/1	0.82	0.11	56,56,56,56	0
55	MG	1A	3952	1/1	0.82	0.23	52,52,52,52	0
55	MG	2A	3205	1/1	0.82	0.44	65,65,65,65	0
55	MG	2a	3155	1/1	0.82	0.14	79,79,79,79	0
55	MG	1A	3964	1/1	0.82	0.17	68,68,68,68	0
55	MG	1y	203	1/1	0.82	0.18	70,70,70,70	0
55	MG	2A	3461	1/1	0.82	0.14	68,68,68,68	0
55	MG	1A	3965	1/1	0.82	0.18	53,53,53,53	0
55	MG	2A	3025	1/1	0.82	0.20	54,54,54,54	0
55	MG	1a	3223	1/1	0.82	0.27	70,70,70,70	0
55	MG	2A	3047	1/1	0.82	0.25	67,67,67,67	0
55	MG	2B	216	1/1	0.83	0.14	73,73,73,73	0
55	MG	1e	203	1/1	0.83	0.33	60,60,60,60	0
55	MG	1e	204	1/1	0.83	0.30	58,58,58,58	0
55	MG	2A	3216	1/1	0.83	0.25	64,64,64,64	0
55	MG	10	107	1/1	0.83	0.15	54,54,54,54	0
55	MG	2W	203	1/1	0.83	0.21	70,70,70,70	0
55	MG	1a	3189	1/1	0.83	0.18	60,60,60,60	0
55	MG	2A	3489	1/1	0.83	0.14	53,53,53,53	0
55	MG	1A	3698	1/1	0.83	0.16	59,59,59,59	0
55	MG	2A	3010	1/1	0.83	0.37	58,58,58,58	0
55	MG	1a	3134	1/1	0.83	0.11	57,57,57,57	0
55	MG	1a	3135	1/1	0.83	0.21	53,53,53,53	0
55	MG	1A	3534	1/1	0.83	0.12	44,44,44,44	0
55	MG	2A	3515	1/1	0.83	0.12	49,49,49,49	0
55	MG	1a	3218	1/1	0.83	0.38	69,69,69,69	0
55	MG	2a	3062	1/1	0.83	0.27	68,68,68,68	0
55	MG	1A	3548	1/1	0.83	0.12	43,43,43,43	0
55	MG	2A	3533	1/1	0.83	0.15	52,52,52,52	0
55	MG	1A	3932	1/1	0.83	0.23	59,59,59,59	0
55	MG	1A	3216	1/1	0.83	0.31	64,64,64,64	0
55	MG	1A	3960	1/1	0.83	0.14	45,45,45,45	0
55	MG	2A	3093	1/1	0.83	0.27	67,67,67,67	0
55	MG	1A	3669	1/1	0.83	0.17	73,73,73,73	0
55	MG	1A	3295	1/1	0.83	0.20	62,62,62,62	0
55	MG	1A	3515	1/1	0.83	0.12	52,52,52,52	0
55	MG	1a	3068	1/1	0.83	0.18	64,64,64,64	0
55	MG	2a	3096	1/1	0.83	0.21	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3577	1/1	0.83	0.14	57,57,57,57	0
55	MG	1A	3790	1/1	0.83	0.14	53,53,53,53	0
55	MG	2A	3415	1/1	0.83	0.24	66,66,66,66	0
55	MG	1a	3269	1/1	0.83	0.17	71,71,71,71	0
55	MG	2A	3420	1/1	0.83	0.13	76,76,76,76	0
55	MG	1F	319	1/1	0.83	0.19	57,57,57,57	0
55	MG	2A	3699	1/1	0.83	0.12	74,74,74,74	0
55	MG	2A	3173	1/1	0.83	0.20	82,82,82,82	0
55	MG	1A	3419	1/1	0.83	0.17	66,66,66,66	0
55	MG	2A	3713	1/1	0.83	0.25	63,63,63,63	0
55	MG	2a	3182	1/1	0.83	0.19	56,56,56,56	0
55	MG	2A	3181	1/1	0.83	0.11	53,53,53,53	0
55	MG	1A	4000	1/1	0.83	0.41	52,52,52,52	0
55	MG	2B	207	1/1	0.83	0.17	66,66,66,66	0
55	MG	2A	3204	1/1	0.83	0.30	68,68,68,68	0
55	MG	2A	3632	1/1	0.84	0.13	55,55,55,55	0
55	MG	1e	201	1/1	0.84	0.33	58,58,58,58	0
55	MG	2A	3189	1/1	0.84	0.25	62,62,62,62	0
55	MG	2A	3191	1/1	0.84	0.25	61,61,61,61	0
55	MG	1A	3808	1/1	0.84	0.44	48,48,48,48	0
55	MG	1a	3184	1/1	0.84	0.12	86,86,86,86	0
55	MG	2A	3211	1/1	0.84	0.21	51,51,51,51	0
55	MG	2a	3067	1/1	0.84	0.24	69,69,69,69	0
55	MG	2A	3505	1/1	0.84	0.20	58,58,58,58	0
55	MG	1D	310	1/1	0.84	0.30	40,40,40,40	0
55	MG	1T	204	1/1	0.84	0.10	77,77,77,77	0
55	MG	2A	3514	1/1	0.84	0.19	64,64,64,64	0
55	MG	1t	201	1/1	0.84	0.17	61,61,61,61	0
55	MG	2A	3522	1/1	0.84	0.23	63,63,63,63	0
55	MG	2A	3108	1/1	0.84	0.12	62,62,62,62	0
55	MG	2A	3528	1/1	0.84	0.27	57,57,57,57	0
55	MG	2B	219	1/1	0.84	0.24	74,74,74,74	0
55	MG	2a	3112	1/1	0.84	0.22	66,66,66,66	0
55	MG	1a	3244	1/1	0.84	0.19	66,66,66,66	0
55	MG	2E	304	1/1	0.84	0.36	61,61,61,61	0
55	MG	1D	313	1/1	0.84	0.22	49,49,49,49	0
55	MG	1A	3604	1/1	0.84	0.30	45,45,45,45	0
55	MG	1A	3999	1/1	0.84	0.21	36,36,36,36	0
55	MG	2A	3440	1/1	0.84	0.17	45,45,45,45	0
55	MG	2A	3252	1/1	0.84	0.43	43,43,43,43	0
55	MG	2A	3574	1/1	0.84	0.14	49,49,49,49	0
55	MG	2A	3158	1/1	0.84	0.27	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3076	1/1	0.84	0.26	60,60,60,60	0
55	MG	2e	201	1/1	0.84	0.26	56,56,56,56	0
55	MG	2h	201	1/1	0.84	0.23	63,63,63,63	0
55	MG	1A	4009	1/1	0.84	0.18	33,33,33,33	0
55	MG	1A	4018	1/1	0.84	0.34	60,60,60,60	0
55	MG	1a	3032	1/1	0.84	0.29	61,61,61,61	0
55	MG	1a	3167	1/1	0.85	0.22	75,75,75,75	0
55	MG	2A	3731	1/1	0.85	0.14	66,66,66,66	0
55	MG	2A	3736	1/1	0.85	0.13	45,45,45,45	0
55	MG	2A	3430	1/1	0.85	0.28	56,56,56,56	0
55	MG	2B	205	1/1	0.85	0.24	54,54,54,54	0
55	MG	1a	3277	1/1	0.85	0.27	66,66,66,66	0
55	MG	1D	318	1/1	0.85	0.14	54,54,54,54	0
55	MG	1d	301	1/1	0.85	0.19	71,71,71,71	0
55	MG	1A	3354	1/1	0.85	0.11	31,31,31,31	0
55	MG	2A	3187	1/1	0.85	0.15	43,43,43,43	0
55	MG	1A	3177	1/1	0.85	0.27	52,52,52,52	0
55	MG	2A	3467	1/1	0.85	0.17	58,58,58,58	0
55	MG	1A	3431	1/1	0.85	0.20	52,52,52,52	0
55	MG	2A	3192	1/1	0.85	0.15	67,67,67,67	0
55	MG	1h	201	1/1	0.85	0.16	68,68,68,68	0
55	MG	1l	202	1/1	0.85	0.13	64,64,64,64	0
55	MG	2A	3483	1/1	0.85	0.12	56,56,56,56	0
55	MG	1n	101	1/1	0.85	0.17	64,64,64,64	0
55	MG	1a	3187	1/1	0.85	0.11	53,53,53,53	0
55	MG	1a	3086	1/1	0.85	0.27	56,56,56,56	0
55	MG	1a	3193	1/1	0.85	0.16	68,68,68,68	0
55	MG	1a	3195	1/1	0.85	0.23	71,71,71,71	0
55	MG	2A	3005	1/1	0.85	0.13	51,51,51,51	0
55	MG	2a	3056	1/1	0.85	0.26	70,70,70,70	0
55	MG	2A	3229	1/1	0.85	0.30	55,55,55,55	0
55	MG	1A	3448	1/1	0.85	0.16	55,55,55,55	0
55	MG	1A	4012	1/1	0.85	0.15	46,46,46,46	0
55	MG	2A	3516	1/1	0.85	0.24	56,56,56,56	0
55	MG	2A	3243	1/1	0.85	0.29	58,58,58,58	0
55	MG	1a	3204	1/1	0.85	0.17	60,60,60,60	0
55	MG	10	106	1/1	0.85	0.20	59,59,59,59	0
55	MG	2A	3531	1/1	0.85	0.21	60,60,60,60	0
55	MG	1A	3589	1/1	0.85	0.14	43,43,43,43	0
55	MG	1A	3944	1/1	0.85	0.13	49,49,49,49	0
55	MG	2A	3534	1/1	0.85	0.17	74,74,74,74	0
55	MG	2A	3060	1/1	0.85	0.20	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3274	1/1	0.85	0.26	57,57,57,57	0
55	MG	2a	3091	1/1	0.85	0.18	57,57,57,57	0
55	MG	13	102	1/1	0.85	0.14	68,68,68,68	0
55	MG	2A	3291	1/1	0.85	0.23	66,66,66,66	0
55	MG	1A	3829	1/1	0.85	0.14	58,58,58,58	0
55	MG	1B	211	1/1	0.85	0.37	64,64,64,64	0
55	MG	1A	3462	1/1	0.85	0.18	60,60,60,60	0
55	MG	2a	3124	1/1	0.85	0.25	78,78,78,78	0
55	MG	1A	3377	1/1	0.85	0.18	61,61,61,61	0
55	MG	2A	3349	1/1	0.85	0.20	69,69,69,69	0
55	MG	1a	3037	1/1	0.85	0.25	63,63,63,63	0
55	MG	1A	3840	1/1	0.85	0.11	44,44,44,44	0
55	MG	2a	3157	1/1	0.85	0.10	76,76,76,76	0
55	MG	2a	3165	1/1	0.85	0.11	61,61,61,61	0
55	MG	1A	3684	1/1	0.85	0.13	63,63,63,63	0
55	MG	1A	3766	1/1	0.85	0.15	40,40,40,40	0
55	MG	2A	3410	1/1	0.85	0.30	62,62,62,62	0
55	MG	2A	3670	1/1	0.85	0.21	89,89,89,89	0
55	MG	1a	3062	1/1	0.85	0.15	71,71,71,71	0
55	MG	1A	3617	1/1	0.85	0.13	45,45,45,45	0
55	MG	2A	3133	1/1	0.85	0.30	55,55,55,55	0
55	MG	1A	3880	1/1	0.85	0.19	33,33,33,33	0
55	MG	1A	3164	1/1	0.85	0.30	59,59,59,59	0
55	MG	2A	3427	1/1	0.85	0.16	54,54,54,54	0
55	MG	2A	3100	1/1	0.86	0.14	66,66,66,66	0
55	MG	1A	3620	1/1	0.86	0.20	62,62,62,62	0
55	MG	1A	4002	1/1	0.86	0.16	81,81,81,81	0
55	MG	2P	201	1/1	0.86	0.15	52,52,52,52	0
55	MG	1a	3164	1/1	0.86	0.15	72,72,72,72	0
55	MG	2A	3314	1/1	0.86	0.15	66,66,66,66	0
55	MG	1A	3626	1/1	0.86	0.12	58,58,58,58	0
55	MG	2a	3012	1/1	0.86	0.15	63,63,63,63	0
55	MG	2A	3118	1/1	0.86	0.21	57,57,57,57	0
55	MG	1A	3165	1/1	0.86	0.19	61,61,61,61	0
55	MG	2A	3122	1/1	0.86	0.14	49,49,49,49	0
55	MG	1a	3168	1/1	0.86	0.16	72,72,72,72	0
55	MG	1A	3640	1/1	0.86	0.17	56,56,56,56	0
55	MG	2A	3137	1/1	0.86	0.27	65,65,65,65	0
55	MG	2a	3051	1/1	0.86	0.14	73,73,73,73	0
55	MG	2A	3361	1/1	0.86	0.18	73,73,73,73	0
55	MG	1a	3082	1/1	0.86	0.18	52,52,52,52	0
55	MG	1d	302	1/1	0.86	0.20	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3173	1/1	0.86	0.24	64,64,64,64	0
55	MG	1A	3289	1/1	0.86	0.17	57,57,57,57	0
55	MG	1A	3814	1/1	0.86	0.20	25,25,25,25	0
55	MG	1e	206	1/1	0.86	0.16	65,65,65,65	0
55	MG	1A	3818	1/1	0.86	0.11	38,38,38,38	0
55	MG	1a	3104	1/1	0.86	0.20	66,66,66,66	0
55	MG	1A	3720	1/1	0.86	0.13	54,54,54,54	0
55	MG	1A	3099	1/1	0.86	0.18	43,43,43,43	0
55	MG	2A	3429	1/1	0.86	0.24	67,67,67,67	0
55	MG	2a	3078	1/1	0.86	0.29	56,56,56,56	0
55	MG	1A	3109	1/1	0.86	0.14	51,51,51,51	0
55	MG	2a	3084	1/1	0.86	0.37	63,63,63,63	0
55	MG	2A	3196	1/1	0.86	0.28	59,59,59,59	0
55	MG	2A	3690	1/1	0.86	0.11	63,63,63,63	0
55	MG	2A	3203	1/1	0.86	0.15	51,51,51,51	0
55	MG	1a	3132	1/1	0.86	0.23	73,73,73,73	0
55	MG	1A	3563	1/1	0.86	0.24	63,63,63,63	0
55	MG	1A	3753	1/1	0.86	0.11	28,28,28,28	0
55	MG	2a	3114	1/1	0.86	0.17	61,61,61,61	0
55	MG	1a	3137	1/1	0.86	0.14	65,65,65,65	0
55	MG	1A	3271	1/1	0.86	0.28	39,39,39,39	0
55	MG	2A	3717	1/1	0.86	0.13	52,52,52,52	0
55	MG	1A	3978	1/1	0.86	0.15	46,46,46,46	0
55	MG	2a	3139	1/1	0.86	0.10	59,59,59,59	0
55	MG	2A	3728	1/1	0.86	0.13	76,76,76,76	0
55	MG	2A	3037	1/1	0.86	0.14	51,51,51,51	0
55	MG	1A	3987	1/1	0.86	0.15	52,52,52,52	0
55	MG	2a	3161	1/1	0.86	0.14	78,78,78,78	0
55	MG	1a	3043	1/1	0.86	0.19	61,61,61,61	0
55	MG	2B	204	1/1	0.86	0.18	71,71,71,71	0
55	MG	1a	3228	1/1	0.86	0.20	67,67,67,67	0
55	MG	1a	3051	1/1	0.86	0.26	60,60,60,60	0
55	MG	1a	3153	1/1	0.86	0.14	59,59,59,59	0
55	MG	1A	3601	1/1	0.86	0.16	48,48,48,48	0
55	MG	1a	3061	1/1	0.86	0.30	60,60,60,60	0
55	MG	1A	3274	1/1	0.86	0.20	60,60,60,60	0
55	MG	2D	309	1/1	0.86	0.16	62,62,62,62	0
55	MG	2D	310	1/1	0.86	0.28	36,36,36,36	0
55	MG	1A	3413	1/1	0.86	0.21	57,57,57,57	0
55	MG	1A	3325	1/1	0.87	0.20	65,65,65,65	0
55	MG	1a	3045	1/1	0.87	0.29	55,55,55,55	0
55	MG	1A	3995	1/1	0.87	0.10	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3098	1/1	0.87	0.24	58,58,58,58	0
55	MG	2A	3265	1/1	0.87	0.11	57,57,57,57	0
55	MG	1A	3193	1/1	0.87	0.20	58,58,58,58	0
55	MG	1A	3915	1/1	0.87	0.13	28,28,28,28	0
55	MG	2a	3011	1/1	0.87	0.23	65,65,65,65	0
55	MG	1a	3262	1/1	0.87	0.12	52,52,52,52	0
55	MG	2A	3293	1/1	0.87	0.15	44,44,44,44	0
55	MG	2A	3295	1/1	0.87	0.14	45,45,45,45	0
55	MG	2A	3310	1/1	0.87	0.24	67,67,67,67	0
55	MG	1A	3592	1/1	0.87	0.18	65,65,65,65	0
55	MG	1a	3064	1/1	0.87	0.12	59,59,59,59	0
55	MG	1A	3703	1/1	0.87	0.16	51,51,51,51	0
55	MG	1a	3275	1/1	0.87	0.10	76,76,76,76	0
55	MG	1A	4004	1/1	0.87	0.19	67,67,67,67	0
55	MG	2A	3548	1/1	0.87	0.09	79,79,79,79	0
55	MG	1A	3710	1/1	0.87	0.14	50,50,50,50	0
55	MG	1a	3073	1/1	0.87	0.31	60,60,60,60	0
55	MG	1A	3633	1/1	0.87	0.14	19,19,19,19	0
55	MG	2A	3575	1/1	0.87	0.12	38,38,38,38	0
55	MG	1a	3078	1/1	0.87	0.20	50,50,50,50	0
55	MG	2A	3583	1/1	0.87	0.15	44,44,44,44	0
55	MG	1S	201	1/1	0.87	0.19	58,58,58,58	0
55	MG	1A	3037	1/1	0.87	0.25	53,53,53,53	0
55	MG	2A	3387	1/1	0.87	0.10	43,43,43,43	0
55	MG	1A	3854	1/1	0.87	0.13	33,33,33,33	0
55	MG	2a	3074	1/1	0.87	0.33	62,62,62,62	0
55	MG	1A	3730	1/1	0.87	0.16	52,52,52,52	0
55	MG	2A	3635	1/1	0.87	0.10	73,73,73,73	0
55	MG	1A	3969	1/1	0.87	0.19	60,60,60,60	0
55	MG	1A	3269	1/1	0.87	0.10	52,52,52,52	0
55	MG	1a	3091	1/1	0.87	0.22	61,61,61,61	0
55	MG	17	104	1/1	0.87	0.28	37,37,37,37	0
55	MG	1A	4025	1/1	0.87	0.16	63,63,63,63	0
55	MG	1a	3007	1/1	0.87	0.18	68,68,68,68	0
55	MG	1A	3882	1/1	0.87	0.12	45,45,45,45	0
55	MG	1a	3123	1/1	0.87	0.15	72,72,72,72	0
55	MG	1a	3023	1/1	0.87	0.26	63,63,63,63	0
55	MG	2A	3439	1/1	0.87	0.24	75,75,75,75	0
55	MG	2a	3127	1/1	0.87	0.14	60,60,60,60	0
55	MG	1A	3977	1/1	0.87	0.10	37,37,37,37	0
55	MG	1a	3030	1/1	0.87	0.18	50,50,50,50	0
55	MG	2A	3446	1/1	0.87	0.16	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3725	1/1	0.87	0.34	40,40,40,40	0
55	MG	2A	3448	1/1	0.87	0.11	52,52,52,52	0
55	MG	2A	3038	1/1	0.87	0.14	62,62,62,62	0
55	MG	1A	3313	1/1	0.87	0.15	39,39,39,39	0
55	MG	1a	3035	1/1	0.87	0.26	68,68,68,68	0
55	MG	1B	219	1/1	0.87	0.17	62,62,62,62	0
55	MG	2A	3055	1/1	0.87	0.32	66,66,66,66	0
55	MG	1a	3146	1/1	0.87	0.23	75,75,75,75	0
55	MG	1A	3982	1/1	0.87	0.20	61,61,61,61	0
55	MG	2a	3188	1/1	0.87	0.17	77,77,77,77	0
55	MG	2A	3234	1/1	0.87	0.15	55,55,55,55	0
55	MG	2A	3241	1/1	0.87	0.17	61,61,61,61	0
55	MG	2A	3076	1/1	0.87	0.19	56,56,56,56	0
55	MG	2A	3082	1/1	0.87	0.17	54,54,54,54	0
55	MG	1A	3615	1/1	0.87	0.19	33,33,33,33	0
55	MG	2A	3503	1/1	0.87	0.15	58,58,58,58	0
57	MPD	2A	3746	8/8	0.87	0.20	47,56,64,69	0
55	MG	1A	3691	1/1	0.88	0.12	60,60,60,60	0
55	MG	1a	3046	1/1	0.88	0.23	66,66,66,66	0
55	MG	1a	3050	1/1	0.88	0.23	59,59,59,59	0
55	MG	1A	3801	1/1	0.88	0.14	63,63,63,63	0
55	MG	1A	3962	1/1	0.88	0.14	60,60,60,60	0
55	MG	2B	203	1/1	0.88	0.23	58,58,58,58	0
55	MG	1A	3807	1/1	0.88	0.09	32,32,32,32	0
55	MG	1A	3606	1/1	0.88	0.11	40,40,40,40	0
55	MG	1A	3609	1/1	0.88	0.13	60,60,60,60	0
55	MG	1A	3278	1/1	0.88	0.12	48,48,48,48	0
55	MG	1A	3973	1/1	0.88	0.14	46,46,46,46	0
55	MG	1A	3817	1/1	0.88	0.18	50,50,50,50	0
55	MG	2D	305	1/1	0.88	0.44	37,37,37,37	0
55	MG	2A	3452	1/1	0.88	0.12	54,54,54,54	0
55	MG	1a	3069	1/1	0.88	0.22	62,62,62,62	0
55	MG	2A	3460	1/1	0.88	0.11	61,61,61,61	0
55	MG	1a	3177	1/1	0.88	0.15	67,67,67,67	0
55	MG	1A	3280	1/1	0.88	0.12	52,52,52,52	0
55	MG	1A	3014	1/1	0.88	0.29	56,56,56,56	0
55	MG	1G	201	1/1	0.88	0.12	73,73,73,73	0
55	MG	2O	201	1/1	0.88	0.14	51,51,51,51	0
55	MG	2A	3471	1/1	0.88	0.17	71,71,71,71	0
55	MG	2A	3215	1/1	0.88	0.23	58,58,58,58	0
55	MG	1A	3708	1/1	0.88	0.20	48,48,48,48	0
55	MG	25	102	1/1	0.88	0.14	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3986	1/1	0.88	0.14	66,66,66,66	0
55	MG	1A	3573	1/1	0.88	0.22	40,40,40,40	0
55	MG	2A	3225	1/1	0.88	0.27	61,61,61,61	0
55	MG	1T	202	1/1	0.88	0.16	63,63,63,63	0
55	MG	1A	3717	1/1	0.88	0.35	26,26,26,26	0
55	MG	1W	201	1/1	0.88	0.20	40,40,40,40	0
55	MG	2A	3231	1/1	0.88	0.14	53,53,53,53	0
55	MG	1a	3205	1/1	0.88	0.15	50,50,50,50	0
55	MG	2A	3507	1/1	0.88	0.12	60,60,60,60	0
55	MG	2A	3238	1/1	0.88	0.23	56,56,56,56	0
55	MG	1A	3441	1/1	0.88	0.16	43,43,43,43	0
55	MG	2a	3057	1/1	0.88	0.24	58,58,58,58	0
55	MG	2a	3059	1/1	0.88	0.19	69,69,69,69	0
55	MG	2A	3050	1/1	0.88	0.11	50,50,50,50	0
55	MG	2A	3054	1/1	0.88	0.21	53,53,53,53	0
55	MG	1a	3215	1/1	0.88	0.22	66,66,66,66	0
55	MG	1a	3099	1/1	0.88	0.26	52,52,52,52	0
55	MG	2A	3253	1/1	0.88	0.34	60,60,60,60	0
55	MG	2A	3256	1/1	0.88	0.21	57,57,57,57	0
55	MG	2A	3062	1/1	0.88	0.16	56,56,56,56	0
55	MG	1A	3721	1/1	0.88	0.17	29,29,29,29	0
55	MG	2A	3071	1/1	0.88	0.34	54,54,54,54	0
55	MG	2A	3075	1/1	0.88	0.15	42,42,42,42	0
55	MG	2A	3536	1/1	0.88	0.15	48,48,48,48	0
55	MG	1A	3998	1/1	0.88	0.11	34,34,34,34	0
55	MG	1A	3447	1/1	0.88	0.20	57,57,57,57	0
55	MG	2A	3547	1/1	0.88	0.12	57,57,57,57	0
55	MG	1A	3258	1/1	0.88	0.17	59,59,59,59	0
55	MG	1a	3119	1/1	0.88	0.19	68,68,68,68	0
55	MG	2A	3294	1/1	0.88	0.14	60,60,60,60	0
55	MG	1A	3731	1/1	0.88	0.15	43,43,43,43	0
55	MG	1A	3201	1/1	0.88	0.16	50,50,50,50	0
55	MG	1a	3010	1/1	0.88	0.36	66,66,66,66	0
55	MG	2a	3111	1/1	0.88	0.19	63,63,63,63	0
55	MG	2A	3317	1/1	0.88	0.12	44,44,44,44	0
55	MG	2a	3113	1/1	0.88	0.17	66,66,66,66	0
55	MG	1A	3376	1/1	0.88	0.12	65,65,65,65	0
55	MG	1a	3241	1/1	0.88	0.31	64,64,64,64	0
55	MG	2A	3617	1/1	0.88	0.14	33,33,33,33	0
55	MG	2A	3341	1/1	0.88	0.24	60,60,60,60	0
55	MG	1A	3130	1/1	0.88	0.12	43,43,43,43	0
55	MG	1A	3221	1/1	0.88	0.14	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3115	1/1	0.88	0.11	51,51,51,51	0
55	MG	2A	3350	1/1	0.88	0.11	43,43,43,43	0
55	MG	2a	3151	1/1	0.88	0.10	73,73,73,73	0
55	MG	1A	3520	1/1	0.88	0.09	19,19,19,19	0
55	MG	1a	3255	1/1	0.88	0.20	69,69,69,69	0
55	MG	1A	3906	1/1	0.88	0.12	58,58,58,58	0
55	MG	1A	3599	1/1	0.88	0.15	49,49,49,49	0
55	MG	2A	3128	1/1	0.88	0.15	50,50,50,50	0
55	MG	2A	3381	1/1	0.88	0.10	28,28,28,28	0
55	MG	1A	3408	1/1	0.88	0.19	72,72,72,72	0
55	MG	1A	3787	1/1	0.88	0.16	27,27,27,27	0
55	MG	2A	3703	1/1	0.88	0.11	64,64,64,64	0
55	MG	2A	3704	1/1	0.88	0.23	61,61,61,61	0
55	MG	2A	3705	1/1	0.88	0.12	58,58,58,58	0
55	MG	1A	3539	1/1	0.88	0.30	25,25,25,25	0
55	MG	2A	3140	1/1	0.88	0.11	64,64,64,64	0
55	MG	1A	3107	1/1	0.88	0.16	43,43,43,43	0
55	MG	2A	3719	1/1	0.88	0.11	57,57,57,57	0
55	MG	2A	3155	1/1	0.88	0.27	54,54,54,54	0
55	MG	1A	3434	1/1	0.89	0.15	43,43,43,43	0
55	MG	1A	3989	1/1	0.89	0.12	48,48,48,48	0
55	MG	2A	3385	1/1	0.89	0.14	43,43,43,43	0
55	MG	2A	3386	1/1	0.89	0.20	41,41,41,41	0
55	MG	2A	3715	1/1	0.89	0.15	60,60,60,60	0
55	MG	2A	3124	1/1	0.89	0.12	70,70,70,70	0
55	MG	2A	3390	1/1	0.89	0.12	42,42,42,42	0
55	MG	2A	3126	1/1	0.89	0.35	37,37,37,37	0
55	MG	1A	3990	1/1	0.89	0.12	22,22,22,22	0
55	MG	1A	3848	1/1	0.89	0.13	47,47,47,47	0
55	MG	1a	3128	1/1	0.89	0.10	64,64,64,64	0
55	MG	1a	3131	1/1	0.89	0.14	63,63,63,63	0
55	MG	2A	3744	1/1	0.89	0.10	54,54,54,54	0
55	MG	1A	3634	1/1	0.89	0.17	60,60,60,60	0
55	MG	1A	3637	1/1	0.89	0.13	45,45,45,45	0
55	MG	2A	3152	1/1	0.89	0.21	50,50,50,50	0
55	MG	1A	3572	1/1	0.89	0.16	51,51,51,51	0
55	MG	1a	3265	1/1	0.89	0.15	59,59,59,59	0
55	MG	2A	3433	1/1	0.89	0.18	57,57,57,57	0
55	MG	1A	3857	1/1	0.89	0.19	54,54,54,54	0
55	MG	1A	3438	1/1	0.89	0.25	54,54,54,54	0
55	MG	1A	3257	1/1	0.89	0.21	72,72,72,72	0
55	MG	1a	3274	1/1	0.89	0.14	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3141	1/1	0.89	0.20	69,69,69,69	0
55	MG	1A	3445	1/1	0.89	0.14	35,35,35,35	0
55	MG	1a	3015	1/1	0.89	0.19	72,72,72,72	0
55	MG	2A	3457	1/1	0.89	0.14	64,64,64,64	0
55	MG	1A	3045	1/1	0.89	0.26	44,44,44,44	0
55	MG	1A	3888	1/1	0.89	0.07	23,23,23,23	0
55	MG	2A	3195	1/1	0.89	0.26	61,61,61,61	0
55	MG	1A	3367	1/1	0.89	0.08	41,41,41,41	0
55	MG	2Q	204	1/1	0.89	0.10	66,66,66,66	0
55	MG	2T	201	1/1	0.89	0.17	51,51,51,51	0
55	MG	2T	203	1/1	0.89	0.11	60,60,60,60	0
55	MG	2A	3199	1/1	0.89	0.19	66,66,66,66	0
55	MG	2A	3468	1/1	0.89	0.16	62,62,62,62	0
55	MG	2A	3469	1/1	0.89	0.15	57,57,57,57	0
55	MG	1A	3758	1/1	0.89	0.20	46,46,46,46	0
55	MG	2a	3006	1/1	0.89	0.25	61,61,61,61	0
55	MG	1A	3662	1/1	0.89	0.13	58,58,58,58	0
55	MG	1a	3157	1/1	0.89	0.18	63,63,63,63	0
55	MG	2A	3206	1/1	0.89	0.21	55,55,55,55	0
55	MG	2A	3207	1/1	0.89	0.21	51,51,51,51	0
55	MG	2A	3210	1/1	0.89	0.16	60,60,60,60	0
55	MG	2a	3038	1/1	0.89	0.13	60,60,60,60	0
55	MG	2A	3484	1/1	0.89	0.10	56,56,56,56	0
55	MG	2a	3041	1/1	0.89	0.28	58,58,58,58	0
55	MG	1A	3375	1/1	0.89	0.13	42,42,42,42	0
55	MG	1A	3495	1/1	0.89	0.11	47,47,47,47	0
55	MG	1A	4024	1/1	0.89	0.17	55,55,55,55	0
55	MG	2a	3053	1/1	0.89	0.34	57,57,57,57	0
55	MG	2A	3501	1/1	0.89	0.23	62,62,62,62	0
55	MG	1A	3677	1/1	0.89	0.12	56,56,56,56	0
55	MG	2A	3222	1/1	0.89	0.18	58,58,58,58	0
55	MG	1B	202	1/1	0.89	0.27	64,64,64,64	0
55	MG	2a	3061	1/1	0.89	0.17	52,52,52,52	0
55	MG	1B	206	1/1	0.89	0.21	56,56,56,56	0
55	MG	1y	202	1/1	0.89	0.10	61,61,61,61	0
55	MG	1A	3498	1/1	0.89	0.08	60,60,60,60	0
55	MG	1A	3942	1/1	0.89	0.15	42,42,42,42	0
55	MG	1a	3052	1/1	0.89	0.26	60,60,60,60	0
55	MG	2A	3016	1/1	0.89	0.25	64,64,64,64	0
55	MG	1A	3683	1/1	0.89	0.09	57,57,57,57	0
55	MG	2A	3236	1/1	0.89	0.24	61,61,61,61	0
55	MG	1A	3294	1/1	0.89	0.14	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3957	1/1	0.89	0.19	19,19,19,19	0
55	MG	1a	3178	1/1	0.89	0.14	70,70,70,70	0
55	MG	2A	3040	1/1	0.89	0.17	55,55,55,55	0
55	MG	1A	3800	1/1	0.89	0.20	66,66,66,66	0
55	MG	1a	3180	1/1	0.89	0.12	73,73,73,73	0
55	MG	2a	3086	1/1	0.89	0.10	70,70,70,70	0
55	MG	2a	3088	1/1	0.89	0.14	60,60,60,60	0
55	MG	1A	3263	1/1	0.89	0.12	70,70,70,70	0
55	MG	1A	3204	1/1	0.89	0.20	62,62,62,62	0
55	MG	1A	3086	1/1	0.89	0.17	57,57,57,57	0
55	MG	1A	3968	1/1	0.89	0.18	52,52,52,52	0
55	MG	2A	3056	1/1	0.89	0.39	67,67,67,67	0
55	MG	1A	3522	1/1	0.89	0.10	51,51,51,51	0
55	MG	2A	3567	1/1	0.89	0.11	65,65,65,65	0
55	MG	1a	3074	1/1	0.89	0.13	61,61,61,61	0
55	MG	1A	3528	1/1	0.89	0.16	52,52,52,52	0
55	MG	1F	311	1/1	0.89	0.22	49,49,49,49	0
55	MG	1F	315	1/1	0.89	0.25	34,34,34,34	0
55	MG	2a	3125	1/1	0.89	0.22	68,68,68,68	0
55	MG	1F	316	1/1	0.89	0.10	38,38,38,38	0
55	MG	1a	3211	1/1	0.89	0.13	71,71,71,71	0
55	MG	2A	3608	1/1	0.89	0.10	29,29,29,29	0
55	MG	2A	3612	1/1	0.89	0.11	52,52,52,52	0
55	MG	2a	3141	1/1	0.89	0.10	70,70,70,70	0
55	MG	2A	3303	1/1	0.89	0.12	55,55,55,55	0
55	MG	1A	3169	1/1	0.89	0.10	48,48,48,48	0
55	MG	1A	3415	1/1	0.89	0.10	46,46,46,46	0
55	MG	1A	3231	1/1	0.89	0.18	32,32,32,32	0
55	MG	2A	3096	1/1	0.89	0.17	65,65,65,65	0
55	MG	1a	3219	1/1	0.89	0.20	63,63,63,63	0
55	MG	2A	3638	1/1	0.89	0.14	56,56,56,56	0
55	MG	1H	202	1/1	0.89	0.11	49,49,49,49	0
55	MG	2A	3640	1/1	0.89	0.10	70,70,70,70	0
55	MG	2a	3180	1/1	0.89	0.11	63,63,63,63	0
55	MG	2A	3663	1/1	0.89	0.10	50,50,50,50	0
55	MG	2a	3184	1/1	0.89	0.11	67,67,67,67	0
55	MG	2A	3099	1/1	0.89	0.18	56,56,56,56	0
55	MG	1A	3195	1/1	0.89	0.13	48,48,48,48	0
55	MG	2a	3193	1/1	0.89	0.27	67,67,67,67	0
55	MG	1a	3097	1/1	0.89	0.20	64,64,64,64	0
55	MG	1A	3714	1/1	0.89	0.21	38,38,38,38	0
55	MG	1A	3200	1/1	0.89	0.13	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1T	203	1/1	0.89	0.09	53,53,53,53	0
55	MG	1a	3233	1/1	0.89	0.11	63,63,63,63	0
55	MG	1a	3235	1/1	0.89	0.10	71,71,71,71	0
55	MG	1A	3517	1/1	0.90	0.15	50,50,50,50	0
55	MG	1A	3371	1/1	0.90	0.10	47,47,47,47	0
55	MG	1A	3795	1/1	0.90	0.11	56,56,56,56	0
55	MG	1A	3443	1/1	0.90	0.13	44,44,44,44	0
55	MG	1A	3055	1/1	0.90	0.12	41,41,41,41	0
55	MG	2A	3478	1/1	0.90	0.12	41,41,41,41	0
55	MG	2D	311	1/1	0.90	0.07	21,21,21,21	0
55	MG	1A	3202	1/1	0.90	0.12	43,43,43,43	0
55	MG	2E	305	1/1	0.90	0.10	25,25,25,25	0
55	MG	2G	201	1/1	0.90	0.12	85,85,85,85	0
55	MG	1A	3533	1/1	0.90	0.11	26,26,26,26	0
55	MG	1A	3911	1/1	0.90	0.07	15,15,15,15	0
55	MG	1A	3716	1/1	0.90	0.16	28,28,28,28	0
55	MG	1A	3925	1/1	0.90	0.14	55,55,55,55	0
55	MG	2A	3260	1/1	0.90	0.12	43,43,43,43	0
55	MG	2A	3498	1/1	0.90	0.12	63,63,63,63	0
55	MG	2R	3302	1/1	0.90	0.20	51,51,51,51	0
55	MG	1A	3222	1/1	0.90	0.12	49,49,49,49	0
55	MG	1A	3538	1/1	0.90	0.17	59,59,59,59	0
55	MG	2A	3112	1/1	0.90	0.37	44,44,44,44	0
55	MG	1a	3271	1/1	0.90	0.18	58,58,58,58	0
55	MG	1A	3934	1/1	0.90	0.25	54,54,54,54	0
55	MG	2a	3004	1/1	0.90	0.11	56,56,56,56	0
55	MG	2A	3277	1/1	0.90	0.20	55,55,55,55	0
55	MG	1A	3654	1/1	0.90	0.14	44,44,44,44	0
55	MG	2a	3010	1/1	0.90	0.43	63,63,63,63	0
55	MG	2A	3282	1/1	0.90	0.23	52,52,52,52	0
55	MG	1A	3449	1/1	0.90	0.11	36,36,36,36	0
55	MG	1a	3165	1/1	0.90	0.15	71,71,71,71	0
55	MG	2A	3518	1/1	0.90	0.10	29,29,29,29	0
55	MG	2a	3026	1/1	0.90	0.21	51,51,51,51	0
55	MG	2a	3030	1/1	0.90	0.19	52,52,52,52	0
55	MG	1A	3424	1/1	0.90	0.12	29,29,29,29	0
55	MG	1A	3955	1/1	0.90	0.11	25,25,25,25	0
55	MG	2A	3302	1/1	0.90	0.15	58,58,58,58	0
55	MG	2a	3040	1/1	0.90	0.23	61,61,61,61	0
55	MG	10	105	1/1	0.90	0.13	51,51,51,51	0
55	MG	2a	3043	1/1	0.90	0.30	61,61,61,61	0
55	MG	2A	3305	1/1	0.90	0.15	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1d	303	1/1	0.90	0.09	69,69,69,69	0
55	MG	2a	3049	1/1	0.90	0.41	66,66,66,66	0
55	MG	2a	3050	1/1	0.90	0.33	73,73,73,73	0
55	MG	2A	3312	1/1	0.90	0.21	53,53,53,53	0
55	MG	1A	3552	1/1	0.90	0.24	34,34,34,34	0
55	MG	1A	3831	1/1	0.90	0.18	32,32,32,32	0
55	MG	11	101	1/1	0.90	0.48	46,46,46,46	0
55	MG	1A	3464	1/1	0.90	0.12	44,44,44,44	0
55	MG	1g	3102	1/1	0.90	0.16	56,56,56,56	0
55	MG	11	105	1/1	0.90	0.10	39,39,39,39	0
55	MG	1A	3561	1/1	0.90	0.15	56,56,56,56	0
55	MG	2A	3559	1/1	0.90	0.14	60,60,60,60	0
55	MG	13	103	1/1	0.90	0.18	43,43,43,43	0
55	MG	2A	3171	1/1	0.90	0.18	61,61,61,61	0
55	MG	1a	3181	1/1	0.90	0.11	67,67,67,67	0
55	MG	15	106	1/1	0.90	0.16	40,40,40,40	0
55	MG	1A	3366	1/1	0.90	0.18	60,60,60,60	0
55	MG	1a	3093	1/1	0.90	0.18	51,51,51,51	0
55	MG	2A	3185	1/1	0.90	0.12	57,57,57,57	0
55	MG	2A	3372	1/1	0.90	0.13	63,63,63,63	0
55	MG	1a	3190	1/1	0.90	0.20	55,55,55,55	0
55	MG	1a	3191	1/1	0.90	0.11	59,59,59,59	0
55	MG	1a	3001	1/1	0.90	0.09	68,68,68,68	0
55	MG	2A	3629	1/1	0.90	0.13	36,36,36,36	0
55	MG	1A	3967	1/1	0.90	0.18	59,59,59,59	0
55	MG	2A	3194	1/1	0.90	0.17	59,59,59,59	0
55	MG	2A	3634	1/1	0.90	0.09	66,66,66,66	0
55	MG	2A	3393	1/1	0.90	0.26	67,67,67,67	0
55	MG	2A	3396	1/1	0.90	0.21	59,59,59,59	0
55	MG	1a	3102	1/1	0.90	0.14	54,54,54,54	0
55	MG	1a	3103	1/1	0.90	0.17	66,66,66,66	0
55	MG	2a	3109	1/1	0.90	0.14	58,58,58,58	0
55	MG	2A	3035	1/1	0.90	0.24	60,60,60,60	0
55	MG	2A	3201	1/1	0.90	0.13	48,48,48,48	0
55	MG	1a	3005	1/1	0.90	0.18	50,50,50,50	0
55	MG	2A	3421	1/1	0.90	0.09	37,37,37,37	0
55	MG	1B	208	1/1	0.90	0.13	52,52,52,52	0
55	MG	2A	3424	1/1	0.90	0.14	52,52,52,52	0
55	MG	1a	3111	1/1	0.90	0.18	51,51,51,51	0
55	MG	1A	3405	1/1	0.90	0.15	44,44,44,44	0
55	MG	1A	3505	1/1	0.90	0.09	41,41,41,41	0
55	MG	2a	3129	1/1	0.90	0.12	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3117	1/1	0.90	0.16	63,63,63,63	0
55	MG	1a	3013	1/1	0.90	0.17	63,63,63,63	0
55	MG	1A	3688	1/1	0.90	0.13	32,32,32,32	0
55	MG	1A	3435	1/1	0.90	0.10	48,48,48,48	0
55	MG	1A	3769	1/1	0.90	0.09	51,51,51,51	0
55	MG	2A	3217	1/1	0.90	0.33	61,61,61,61	0
55	MG	2A	3218	1/1	0.90	0.16	60,60,60,60	0
55	MG	2A	3219	1/1	0.90	0.14	55,55,55,55	0
55	MG	2A	3058	1/1	0.90	0.39	64,64,64,64	0
55	MG	2A	3456	1/1	0.90	0.27	52,52,52,52	0
55	MG	1A	3630	1/1	0.90	0.12	48,48,48,48	0
55	MG	2A	3730	1/1	0.90	0.14	68,68,68,68	0
55	MG	1a	3133	1/1	0.90	0.24	51,51,51,51	0
55	MG	1A	3870	1/1	0.90	0.10	53,53,53,53	0
55	MG	2A	3741	1/1	0.90	0.11	57,57,57,57	0
55	MG	1A	3011	1/1	0.90	0.17	56,56,56,56	0
55	MG	2A	3462	1/1	0.90	0.12	36,36,36,36	0
55	MG	1D	314	1/1	0.90	0.15	53,53,53,53	0
55	MG	2A	3465	1/1	0.90	0.14	49,49,49,49	0
55	MG	2A	3466	1/1	0.90	0.11	60,60,60,60	0
55	MG	1a	3038	1/1	0.90	0.48	70,70,70,70	0
55	MG	2B	208	1/1	0.90	0.12	74,74,74,74	0
55	MG	2y	201	1/1	0.90	0.14	82,82,82,82	0
55	MG	2A	3080	1/1	0.90	0.11	48,48,48,48	0
55	MG	2B	213	1/1	0.90	0.20	70,70,70,70	0
55	MG	2A	3271	1/1	0.91	0.14	40,40,40,40	0
55	MG	1B	203	1/1	0.91	0.38	63,63,63,63	0
55	MG	1A	3947	1/1	0.91	0.08	27,27,27,27	0
55	MG	2E	307	1/1	0.91	0.16	58,58,58,58	0
55	MG	1A	3950	1/1	0.91	0.14	51,51,51,51	0
55	MG	1a	3017	1/1	0.91	0.17	60,60,60,60	0
55	MG	2A	3290	1/1	0.91	0.17	54,54,54,54	0
55	MG	1a	3245	1/1	0.91	0.13	58,58,58,58	0
55	MG	1a	3021	1/1	0.91	0.10	52,52,52,52	0
55	MG	1a	3022	1/1	0.91	0.17	54,54,54,54	0
55	MG	2Q	202	1/1	0.91	0.15	48,48,48,48	0
55	MG	1B	210	1/1	0.91	0.16	54,54,54,54	0
55	MG	1A	3457	1/1	0.91	0.12	54,54,54,54	0
55	MG	1A	3816	1/1	0.91	0.17	30,30,30,30	0
55	MG	2A	3520	1/1	0.91	0.12	56,56,56,56	0
55	MG	1A	3389	1/1	0.91	0.14	40,40,40,40	0
55	MG	1a	3266	1/1	0.91	0.10	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3268	1/1	0.91	0.19	70,70,70,70	0
55	MG	28	102	1/1	0.91	0.21	50,50,50,50	0
55	MG	2a	3002	1/1	0.91	0.16	45,45,45,45	0
55	MG	2A	3529	1/1	0.91	0.12	61,61,61,61	0
55	MG	1a	3034	1/1	0.91	0.07	42,42,42,42	0
55	MG	1A	3729	1/1	0.91	0.14	34,34,34,34	0
55	MG	2a	3007	1/1	0.91	0.13	63,63,63,63	0
55	MG	2a	3009	1/1	0.91	0.17	57,57,57,57	0
55	MG	1a	3147	1/1	0.91	0.21	70,70,70,70	0
55	MG	2A	3330	1/1	0.91	0.13	56,56,56,56	0
55	MG	1A	3616	1/1	0.91	0.11	40,40,40,40	0
55	MG	2a	3014	1/1	0.91	0.30	62,62,62,62	0
55	MG	2a	3017	1/1	0.91	0.25	63,63,63,63	0
55	MG	1A	3197	1/1	0.91	0.26	49,49,49,49	0
55	MG	1A	3735	1/1	0.91	0.07	30,30,30,30	0
55	MG	2A	3542	1/1	0.91	0.11	36,36,36,36	0
55	MG	2a	3028	1/1	0.91	0.22	51,51,51,51	0
55	MG	1A	3486	1/1	0.91	0.09	19,19,19,19	0
55	MG	2a	3031	1/1	0.91	0.23	56,56,56,56	0
55	MG	1A	3837	1/1	0.91	0.13	50,50,50,50	0
55	MG	2a	3035	1/1	0.91	0.26	60,60,60,60	0
55	MG	2a	3037	1/1	0.91	0.13	59,59,59,59	0
55	MG	1A	3746	1/1	0.91	0.21	54,54,54,54	0
55	MG	1A	3750	1/1	0.91	0.13	54,54,54,54	0
55	MG	1A	3622	1/1	0.91	0.11	17,17,17,17	0
55	MG	2A	3560	1/1	0.91	0.12	69,69,69,69	0
55	MG	1A	3535	1/1	0.91	0.15	47,47,47,47	0
55	MG	2a	3045	1/1	0.91	0.14	69,69,69,69	0
55	MG	2A	3366	1/1	0.91	0.19	61,61,61,61	0
55	MG	1e	202	1/1	0.91	0.25	62,62,62,62	0
55	MG	2A	3172	1/1	0.91	0.26	63,63,63,63	0
55	MG	1A	3755	1/1	0.91	0.09	23,23,23,23	0
55	MG	1A	3188	1/1	0.91	0.12	53,53,53,53	0
55	MG	2A	3384	1/1	0.91	0.11	48,48,48,48	0
55	MG	2a	3054	1/1	0.91	0.17	53,53,53,53	0
55	MG	1a	3060	1/1	0.91	0.27	65,65,65,65	0
55	MG	1g	3101	1/1	0.91	0.27	57,57,57,57	0
55	MG	1A	3440	1/1	0.91	0.14	48,48,48,48	0
55	MG	2A	3622	1/1	0.91	0.10	65,65,65,65	0
55	MG	2A	3388	1/1	0.91	0.13	35,35,35,35	0
55	MG	2A	3628	1/1	0.91	0.12	30,30,30,30	0
55	MG	1A	3984	1/1	0.91	0.12	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3630	1/1	0.91	0.11	52,52,52,52	0
55	MG	1l	201	1/1	0.91	0.13	54,54,54,54	0
55	MG	1A	3540	1/1	0.91	0.19	41,41,41,41	0
55	MG	1A	3056	1/1	0.91	0.16	49,49,49,49	0
55	MG	1A	3988	1/1	0.91	0.12	51,51,51,51	0
55	MG	1A	3877	1/1	0.91	0.11	65,65,65,65	0
55	MG	1N	204	1/1	0.91	0.11	62,62,62,62	0
55	MG	1a	3070	1/1	0.91	0.20	48,48,48,48	0
55	MG	1a	3072	1/1	0.91	0.27	59,59,59,59	0
55	MG	2a	3077	1/1	0.91	0.13	53,53,53,53	0
55	MG	2A	3661	1/1	0.91	0.10	89,89,89,89	0
55	MG	1z	101	1/1	0.91	0.22	72,72,72,72	0
55	MG	2A	3002	1/1	0.91	0.12	43,43,43,43	0
55	MG	1P	205	1/1	0.91	0.08	59,59,59,59	0
55	MG	1A	3768	1/1	0.91	0.09	25,25,25,25	0
55	MG	1A	3551	1/1	0.91	0.28	59,59,59,59	0
55	MG	2A	3017	1/1	0.91	0.23	45,45,45,45	0
55	MG	1A	3596	1/1	0.91	0.17	51,51,51,51	0
55	MG	2a	3097	1/1	0.91	0.11	35,35,35,35	0
55	MG	2a	3106	1/1	0.91	0.15	65,65,65,65	0
55	MG	1A	3779	1/1	0.91	0.08	29,29,29,29	0
55	MG	2A	3032	1/1	0.91	0.24	57,57,57,57	0
55	MG	1A	3891	1/1	0.91	0.10	42,42,42,42	0
55	MG	10	104	1/1	0.91	0.10	47,47,47,47	0
55	MG	1A	3781	1/1	0.91	0.11	44,44,44,44	0
55	MG	2A	3711	1/1	0.91	0.21	58,58,58,58	0
55	MG	2A	3712	1/1	0.91	0.09	43,43,43,43	0
55	MG	2a	3118	1/1	0.91	0.14	59,59,59,59	0
55	MG	2a	3121	1/1	0.91	0.15	59,59,59,59	0
55	MG	2a	3122	1/1	0.91	0.10	56,56,56,56	0
55	MG	1A	3641	1/1	0.91	0.10	18,18,18,18	0
55	MG	2A	3043	1/1	0.91	0.14	30,30,30,30	0
55	MG	1a	3087	1/1	0.91	0.21	60,60,60,60	0
55	MG	2A	3718	1/1	0.91	0.12	51,51,51,51	0
55	MG	1a	3088	1/1	0.91	0.12	45,45,45,45	0
55	MG	1A	3896	1/1	0.91	0.19	36,36,36,36	0
55	MG	2a	3133	1/1	0.91	0.11	66,66,66,66	0
55	MG	1A	3707	1/1	0.91	0.07	32,32,32,32	0
55	MG	2A	3727	1/1	0.91	0.11	59,59,59,59	0
55	MG	1A	3224	1/1	0.91	0.09	47,47,47,47	0
55	MG	1a	3094	1/1	0.91	0.10	58,58,58,58	0
55	MG	1a	3095	1/1	0.91	0.12	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	3153	1/1	0.91	0.12	48,48,48,48	0
55	MG	1A	3175	1/1	0.91	0.18	45,45,45,45	0
55	MG	1A	3712	1/1	0.91	0.16	59,59,59,59	0
55	MG	2A	3743	1/1	0.91	0.28	58,58,58,58	0
55	MG	2a	3163	1/1	0.91	0.13	61,61,61,61	0
55	MG	1A	3713	1/1	0.91	0.16	42,42,42,42	0
55	MG	2a	3167	1/1	0.91	0.18	49,49,49,49	0
55	MG	1A	3034	1/1	0.91	0.12	37,37,37,37	0
55	MG	2B	202	1/1	0.91	0.20	58,58,58,58	0
55	MG	2A	3070	1/1	0.91	0.26	50,50,50,50	0
55	MG	1A	3802	1/1	0.91	0.07	78,78,78,78	0
55	MG	17	106	1/1	0.91	0.13	50,50,50,50	0
55	MG	1a	3225	1/1	0.91	0.18	58,58,58,58	0
55	MG	2a	3187	1/1	0.91	0.15	69,69,69,69	0
55	MG	1A	3380	1/1	0.91	0.11	37,37,37,37	0
55	MG	1A	3211	1/1	0.91	0.27	36,36,36,36	0
55	MG	2A	3259	1/1	0.91	0.10	54,54,54,54	0
55	MG	2B	214	1/1	0.91	0.08	81,81,81,81	0
55	MG	1A	3608	1/1	0.91	0.27	29,29,29,29	0
55	MG	2A	3086	1/1	0.91	0.13	47,47,47,47	0
55	MG	2n	101	1/1	0.91	0.21	67,67,67,67	0
55	MG	1B	201	1/1	0.91	0.16	50,50,50,50	0
55	MG	1A	3945	1/1	0.91	0.08	55,55,55,55	0
55	MG	2A	3493	1/1	0.91	0.13	57,57,57,57	0
55	MG	1a	3121	1/1	0.91	0.17	60,60,60,60	0
55	MG	1A	3791	1/1	0.92	0.09	26,26,26,26	0
55	MG	1A	3355	1/1	0.92	0.07	17,17,17,17	0
55	MG	1A	3793	1/1	0.92	0.15	53,53,53,53	0
55	MG	1f	201	1/1	0.92	0.15	51,51,51,51	0
55	MG	2A	3200	1/1	0.92	0.22	46,46,46,46	0
55	MG	1A	4026	1/1	0.92	0.11	50,50,50,50	0
55	MG	1A	3436	1/1	0.92	0.11	51,51,51,51	0
55	MG	1a	3027	1/1	0.92	0.27	56,56,56,56	0
55	MG	1A	3213	1/1	0.92	0.11	35,35,35,35	0
55	MG	2A	3463	1/1	0.92	0.22	66,66,66,66	0
55	MG	2D	304	1/1	0.92	0.25	44,44,44,44	0
55	MG	1A	3937	1/1	0.92	0.12	58,58,58,58	0
55	MG	1m	202	1/1	0.92	0.23	59,59,59,59	0
55	MG	1a	3156	1/1	0.92	0.13	55,55,55,55	0
55	MG	1A	3363	1/1	0.92	0.07	40,40,40,40	0
55	MG	1A	3943	1/1	0.92	0.08	53,53,53,53	0
55	MG	2D	312	1/1	0.92	0.16	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3702	1/1	0.92	0.14	53,53,53,53	0
55	MG	1A	3033	1/1	0.92	0.09	48,48,48,48	0
55	MG	1A	3805	1/1	0.92	0.18	52,52,52,52	0
55	MG	2F	302	1/1	0.92	0.11	42,42,42,42	0
55	MG	1B	217	1/1	0.92	0.16	47,47,47,47	0
55	MG	1A	3141	1/1	0.92	0.18	48,48,48,48	0
55	MG	2A	3221	1/1	0.92	0.23	51,51,51,51	0
55	MG	1A	3618	1/1	0.92	0.23	42,42,42,42	0
55	MG	2A	3481	1/1	0.92	0.09	42,42,42,42	0
55	MG	1a	3044	1/1	0.92	0.20	53,53,53,53	0
55	MG	1A	3167	1/1	0.92	0.13	42,42,42,42	0
55	MG	1a	3169	1/1	0.92	0.12	68,68,68,68	0
55	MG	1A	3373	1/1	0.92	0.15	42,42,42,42	0
55	MG	1a	3171	1/1	0.92	0.16	62,62,62,62	0
55	MG	1A	3959	1/1	0.92	0.10	49,49,49,49	0
55	MG	2V	201	1/1	0.92	0.17	51,51,51,51	0
55	MG	1D	311	1/1	0.92	0.24	35,35,35,35	0
55	MG	1D	312	1/1	0.92	0.36	34,34,34,34	0
55	MG	2A	3235	1/1	0.92	0.13	55,55,55,55	0
55	MG	1a	3055	1/1	0.92	0.29	52,52,52,52	0
55	MG	2A	3039	1/1	0.92	0.19	48,48,48,48	0
55	MG	1a	3056	1/1	0.92	0.26	61,61,61,61	0
55	MG	2A	3508	1/1	0.92	0.07	62,62,62,62	0
55	MG	2A	3042	1/1	0.92	0.11	40,40,40,40	0
55	MG	1A	3556	1/1	0.92	0.15	47,47,47,47	0
55	MG	1A	3629	1/1	0.92	0.13	51,51,51,51	0
55	MG	2A	3248	1/1	0.92	0.11	58,58,58,58	0
55	MG	1A	3557	1/1	0.92	0.12	44,44,44,44	0
55	MG	1A	3168	1/1	0.92	0.09	30,30,30,30	0
55	MG	2A	3519	1/1	0.92	0.12	49,49,49,49	0
55	MG	1A	3826	1/1	0.92	0.20	35,35,35,35	0
55	MG	1A	3048	1/1	0.92	0.24	37,37,37,37	0
55	MG	2a	3023	1/1	0.92	0.11	45,45,45,45	0
55	MG	2a	3024	1/1	0.92	0.36	61,61,61,61	0
55	MG	2A	3524	1/1	0.92	0.21	51,51,51,51	0
55	MG	2A	3525	1/1	0.92	0.09	39,39,39,39	0
55	MG	1A	3455	1/1	0.92	0.10	47,47,47,47	0
55	MG	2a	3029	1/1	0.92	0.12	52,52,52,52	0
55	MG	1A	3638	1/1	0.92	0.16	39,39,39,39	0
55	MG	2A	3057	1/1	0.92	0.23	57,57,57,57	0
55	MG	2A	3530	1/1	0.92	0.07	43,43,43,43	0
55	MG	1A	3235	1/1	0.92	0.39	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3196	1/1	0.92	0.12	63,63,63,63	0
55	MG	1A	3569	1/1	0.92	0.15	40,40,40,40	0
55	MG	1F	320	1/1	0.92	0.09	47,47,47,47	0
55	MG	2A	3067	1/1	0.92	0.10	40,40,40,40	0
55	MG	1A	3378	1/1	0.92	0.08	27,27,27,27	0
55	MG	1G	203	1/1	0.92	0.12	63,63,63,63	0
55	MG	1A	3293	1/1	0.92	0.12	46,46,46,46	0
55	MG	1a	3077	1/1	0.92	0.22	53,53,53,53	0
55	MG	2a	3047	1/1	0.92	0.22	51,51,51,51	0
55	MG	1a	3212	1/1	0.92	0.09	60,60,60,60	0
55	MG	2A	3549	1/1	0.92	0.10	64,64,64,64	0
55	MG	1A	3171	1/1	0.92	0.16	37,37,37,37	0
55	MG	2A	3553	1/1	0.92	0.08	59,59,59,59	0
55	MG	2A	3554	1/1	0.92	0.09	62,62,62,62	0
55	MG	1A	3983	1/1	0.92	0.13	51,51,51,51	0
55	MG	2A	3557	1/1	0.92	0.28	42,42,42,42	0
55	MG	1a	3080	1/1	0.92	0.42	66,66,66,66	0
55	MG	1A	3492	1/1	0.92	0.08	30,30,30,30	0
55	MG	2A	3566	1/1	0.92	0.09	63,63,63,63	0
55	MG	2A	3092	1/1	0.92	0.12	63,63,63,63	0
55	MG	2A	3568	1/1	0.92	0.13	64,64,64,64	0
55	MG	2A	3569	1/1	0.92	0.10	61,61,61,61	0
55	MG	2A	3572	1/1	0.92	0.16	49,49,49,49	0
55	MG	1A	3038	1/1	0.92	0.10	48,48,48,48	0
55	MG	1R	202	1/1	0.92	0.29	30,30,30,30	0
55	MG	1R	203	1/1	0.92	0.12	48,48,48,48	0
55	MG	2A	3581	1/1	0.92	0.12	68,68,68,68	0
55	MG	2A	3315	1/1	0.92	0.13	48,48,48,48	0
55	MG	2A	3316	1/1	0.92	0.12	49,49,49,49	0
55	MG	1A	3855	1/1	0.92	0.11	37,37,37,37	0
55	MG	2a	3073	1/1	0.92	0.11	69,69,69,69	0
55	MG	2A	3594	1/1	0.92	0.13	51,51,51,51	0
55	MG	1T	201	1/1	0.92	0.18	45,45,45,45	0
55	MG	2A	3610	1/1	0.92	0.10	63,63,63,63	0
55	MG	1a	3089	1/1	0.92	0.19	56,56,56,56	0
55	MG	2A	3615	1/1	0.92	0.14	40,40,40,40	0
55	MG	2A	3335	1/1	0.92	0.10	26,26,26,26	0
55	MG	2A	3621	1/1	0.92	0.11	35,35,35,35	0
55	MG	1A	3397	1/1	0.92	0.08	40,40,40,40	0
55	MG	2a	3090	1/1	0.92	0.39	55,55,55,55	0
55	MG	1A	3655	1/1	0.92	0.16	56,56,56,56	0
55	MG	2a	3092	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
55	MG	1A	3865	1/1	0.92	0.08	55,55,55,55	0
55	MG	1A	3255	1/1	0.92	0.15	37,37,37,37	0
55	MG	2a	3104	1/1	0.92	0.14	47,47,47,47	0
55	MG	1Z	301	1/1	0.92	0.10	51,51,51,51	0
55	MG	1A	3873	1/1	0.92	0.10	41,41,41,41	0
55	MG	2A	3354	1/1	0.92	0.11	44,44,44,44	0
55	MG	1A	3996	1/1	0.92	0.09	19,19,19,19	0
55	MG	1A	3127	1/1	0.92	0.10	53,53,53,53	0
55	MG	1A	3183	1/1	0.92	0.48	37,37,37,37	0
55	MG	1A	3671	1/1	0.92	0.08	48,48,48,48	0
55	MG	11	102	1/1	0.92	0.12	46,46,46,46	0
55	MG	1A	3673	1/1	0.92	0.12	47,47,47,47	0
55	MG	2A	3642	1/1	0.92	0.12	62,62,62,62	0
55	MG	2A	3648	1/1	0.92	0.10	73,73,73,73	0
55	MG	2A	3652	1/1	0.92	0.09	75,75,75,75	0
55	MG	2A	3659	1/1	0.92	0.15	51,51,51,51	0
55	MG	1a	3257	1/1	0.92	0.10	47,47,47,47	0
55	MG	2A	3373	1/1	0.92	0.12	45,45,45,45	0
55	MG	2A	3132	1/1	0.92	0.15	56,56,56,56	0
55	MG	1a	3259	1/1	0.92	0.09	51,51,51,51	0
55	MG	2a	3131	1/1	0.92	0.10	59,59,59,59	0
55	MG	2A	3672	1/1	0.92	0.10	29,29,29,29	0
55	MG	1a	3261	1/1	0.92	0.08	36,36,36,36	0
55	MG	1A	4001	1/1	0.92	0.23	37,37,37,37	0
55	MG	1A	3767	1/1	0.92	0.12	42,42,42,42	0
55	MG	1A	4003	1/1	0.92	0.12	59,59,59,59	0
55	MG	1A	3259	1/1	0.92	0.09	43,43,43,43	0
55	MG	1A	4006	1/1	0.92	0.17	55,55,55,55	0
55	MG	17	105	1/1	0.92	0.17	54,54,54,54	0
55	MG	2A	3163	1/1	0.92	0.14	50,50,50,50	0
55	MG	2A	3165	1/1	0.92	0.20	46,46,46,46	0
55	MG	2A	3413	1/1	0.92	0.11	61,61,61,61	0
55	MG	1A	3315	1/1	0.92	0.11	38,38,38,38	0
55	MG	2A	3416	1/1	0.92	0.14	56,56,56,56	0
55	MG	2a	3169	1/1	0.92	0.11	67,67,67,67	0
55	MG	1a	3129	1/1	0.92	0.24	51,51,51,51	0
55	MG	1A	3323	1/1	0.92	0.12	32,32,32,32	0
55	MG	2a	3174	1/1	0.92	0.11	55,55,55,55	0
55	MG	1A	3261	1/1	0.92	0.10	31,31,31,31	0
55	MG	2A	3422	1/1	0.92	0.14	53,53,53,53	0
55	MG	2A	3175	1/1	0.92	0.16	60,60,60,60	0
55	MG	2A	3180	1/1	0.92	0.10	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3425	1/1	0.92	0.08	24,24,24,24	0
55	MG	1a	3004	1/1	0.92	0.13	57,57,57,57	0
55	MG	2A	3182	1/1	0.92	0.19	54,54,54,54	0
55	MG	2a	3192	1/1	0.92	0.39	60,60,60,60	0
55	MG	1A	4011	1/1	0.92	0.19	40,40,40,40	0
55	MG	1a	3006	1/1	0.92	0.10	59,59,59,59	0
55	MG	2A	3737	1/1	0.92	0.10	58,58,58,58	0
55	MG	2A	3739	1/1	0.92	0.15	63,63,63,63	0
55	MG	1A	3207	1/1	0.92	0.25	46,46,46,46	0
55	MG	2A	3188	1/1	0.92	0.13	64,64,64,64	0
55	MG	1A	4015	1/1	0.92	0.08	41,41,41,41	0
55	MG	1A	3603	1/1	0.92	0.08	30,30,30,30	0
55	MG	1A	3187	1/1	0.92	0.10	49,49,49,49	0
55	MG	2A	3382	1/1	0.93	0.12	49,49,49,49	0
55	MG	2A	3383	1/1	0.93	0.16	63,63,63,63	0
55	MG	1A	3897	1/1	0.93	0.37	26,26,26,26	0
55	MG	1B	212	1/1	0.93	0.11	58,58,58,58	0
55	MG	1A	3757	1/1	0.93	0.11	49,49,49,49	0
55	MG	2A	3720	1/1	0.93	0.13	60,60,60,60	0
55	MG	2A	3101	1/1	0.93	0.09	49,49,49,49	0
55	MG	1a	3206	1/1	0.93	0.19	68,68,68,68	0
55	MG	2A	3389	1/1	0.93	0.12	41,41,41,41	0
55	MG	1A	3446	1/1	0.93	0.10	42,42,42,42	0
55	MG	1a	3208	1/1	0.93	0.12	49,49,49,49	0
55	MG	1a	3209	1/1	0.93	0.08	77,77,77,77	0
55	MG	2A	3732	1/1	0.93	0.11	48,48,48,48	0
55	MG	2A	3400	1/1	0.93	0.07	46,46,46,46	0
55	MG	2A	3402	1/1	0.93	0.07	54,54,54,54	0
55	MG	2A	3114	1/1	0.93	0.22	44,44,44,44	0
55	MG	1A	3910	1/1	0.93	0.20	32,32,32,32	0
55	MG	1A	3116	1/1	0.93	0.29	34,34,34,34	0
55	MG	1B	220	1/1	0.93	0.07	51,51,51,51	0
55	MG	1A	3647	1/1	0.93	0.11	25,25,25,25	0
55	MG	1B	228	1/1	0.93	0.10	65,65,65,65	0
55	MG	1B	229	1/1	0.93	0.08	62,62,62,62	0
55	MG	1A	3648	1/1	0.93	0.09	46,46,46,46	0
55	MG	1A	3566	1/1	0.93	0.14	53,53,53,53	0
55	MG	2B	206	1/1	0.93	0.23	62,62,62,62	0
55	MG	1A	3567	1/1	0.93	0.10	43,43,43,43	0
55	MG	1a	3071	1/1	0.93	0.42	60,60,60,60	0
55	MG	1A	3770	1/1	0.93	0.11	42,42,42,42	0
55	MG	2A	3135	1/1	0.93	0.20	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3136	1/1	0.93	0.14	54,54,54,54	0
55	MG	1A	3936	1/1	0.93	0.10	52,52,52,52	0
55	MG	2A	3138	1/1	0.93	0.29	53,53,53,53	0
55	MG	1A	3279	1/1	0.93	0.21	62,62,62,62	0
55	MG	1A	3777	1/1	0.93	0.07	31,31,31,31	0
55	MG	2A	3147	1/1	0.93	0.11	45,45,45,45	0
55	MG	1A	3660	1/1	0.93	0.06	33,33,33,33	0
55	MG	1A	3124	1/1	0.93	0.22	50,50,50,50	0
55	MG	1A	3786	1/1	0.93	0.09	44,44,44,44	0
55	MG	1A	3454	1/1	0.93	0.09	44,44,44,44	0
55	MG	2A	3450	1/1	0.93	0.23	49,49,49,49	0
55	MG	1a	3242	1/1	0.93	0.11	54,54,54,54	0
55	MG	2A	3455	1/1	0.93	0.11	49,49,49,49	0
55	MG	1A	3949	1/1	0.93	0.12	41,41,41,41	0
55	MG	1A	3281	1/1	0.93	0.08	37,37,37,37	0
55	MG	1A	3288	1/1	0.93	0.32	42,42,42,42	0
55	MG	1a	3251	1/1	0.93	0.07	52,52,52,52	0
55	MG	1a	3252	1/1	0.93	0.09	53,53,53,53	0
55	MG	1a	3085	1/1	0.93	0.10	62,62,62,62	0
55	MG	2A	3178	1/1	0.93	0.14	49,49,49,49	0
55	MG	1A	3065	1/1	0.93	0.09	46,46,46,46	0
55	MG	1A	3194	1/1	0.93	0.08	40,40,40,40	0
55	MG	1A	3958	1/1	0.93	0.08	10,10,10,10	0
55	MG	1A	3678	1/1	0.93	0.16	55,55,55,55	0
55	MG	1a	3260	1/1	0.93	0.13	49,49,49,49	0
55	MG	1A	3680	1/1	0.93	0.12	61,61,61,61	0
55	MG	2V	202	1/1	0.93	0.22	45,45,45,45	0
55	MG	1N	202	1/1	0.93	0.17	42,42,42,42	0
55	MG	20	101	1/1	0.93	0.12	50,50,50,50	0
55	MG	1a	3264	1/1	0.93	0.09	68,68,68,68	0
55	MG	25	101	1/1	0.93	0.25	45,45,45,45	0
55	MG	2A	3475	1/1	0.93	0.17	51,51,51,51	0
55	MG	2A	3190	1/1	0.93	0.14	55,55,55,55	0
55	MG	1A	3473	1/1	0.93	0.08	37,37,37,37	0
55	MG	2a	3003	1/1	0.93	0.18	56,56,56,56	0
55	MG	1A	3474	1/1	0.93	0.13	43,43,43,43	0
55	MG	1O	201	1/1	0.93	0.08	51,51,51,51	0
55	MG	1A	3483	1/1	0.93	0.08	32,32,32,32	0
55	MG	1a	3098	1/1	0.93	0.17	61,61,61,61	0
55	MG	2A	3197	1/1	0.93	0.10	54,54,54,54	0
55	MG	2A	3487	1/1	0.93	0.13	60,60,60,60	0
55	MG	2A	3198	1/1	0.93	0.17	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1Q	201	1/1	0.93	0.25	41,41,41,41	0
55	MG	1A	3232	1/1	0.93	0.13	54,54,54,54	0
55	MG	2a	3015	1/1	0.93	0.24	51,51,51,51	0
55	MG	2a	3016	1/1	0.93	0.17	47,47,47,47	0
55	MG	2A	3494	1/1	0.93	0.11	52,52,52,52	0
55	MG	2a	3019	1/1	0.93	0.24	46,46,46,46	0
55	MG	2A	3495	1/1	0.93	0.08	67,67,67,67	0
55	MG	1A	3806	1/1	0.93	0.12	48,48,48,48	0
55	MG	2A	3202	1/1	0.93	0.14	46,46,46,46	0
55	MG	1A	3489	1/1	0.93	0.07	26,26,26,26	0
55	MG	1A	3595	1/1	0.93	0.11	42,42,42,42	0
55	MG	2a	3027	1/1	0.93	0.32	59,59,59,59	0
55	MG	1A	3810	1/1	0.93	0.10	48,48,48,48	0
55	MG	1A	3128	1/1	0.93	0.09	67,67,67,67	0
55	MG	1A	3975	1/1	0.93	0.12	35,35,35,35	0
55	MG	1U	208	1/1	0.93	0.29	42,42,42,42	0
55	MG	1d	305	1/1	0.93	0.07	79,79,79,79	0
55	MG	2A	3511	1/1	0.93	0.11	63,63,63,63	0
55	MG	1A	3239	1/1	0.93	0.23	30,30,30,30	0
55	MG	1A	3695	1/1	0.93	0.14	60,60,60,60	0
55	MG	10	102	1/1	0.93	0.21	43,43,43,43	0
55	MG	1a	3124	1/1	0.93	0.14	54,54,54,54	0
55	MG	1e	205	1/1	0.93	0.17	62,62,62,62	0
55	MG	1a	3126	1/1	0.93	0.09	52,52,52,52	0
55	MG	2a	3044	1/1	0.93	0.23	74,74,74,74	0
55	MG	2A	3220	1/1	0.93	0.13	57,57,57,57	0
55	MG	1a	3127	1/1	0.93	0.06	54,54,54,54	0
55	MG	1A	3196	1/1	0.93	0.14	52,52,52,52	0
55	MG	1A	3502	1/1	0.93	0.17	56,56,56,56	0
55	MG	2A	3526	1/1	0.93	0.11	54,54,54,54	0
55	MG	1A	3820	1/1	0.93	0.10	52,52,52,52	0
55	MG	1i	201	1/1	0.93	0.20	66,66,66,66	0
55	MG	1A	3822	1/1	0.93	0.11	43,43,43,43	0
55	MG	1A	3602	1/1	0.93	0.07	35,35,35,35	0
55	MG	1A	3301	1/1	0.93	0.13	43,43,43,43	0
55	MG	1A	3105	1/1	0.93	0.19	38,38,38,38	0
55	MG	2a	3058	1/1	0.93	0.14	53,53,53,53	0
55	MG	1A	3513	1/1	0.93	0.08	16,16,16,16	0
55	MG	1A	3993	1/1	0.93	0.16	46,46,46,46	0
55	MG	2A	3535	1/1	0.93	0.10	53,53,53,53	0
55	MG	1A	3607	1/1	0.93	0.11	27,27,27,27	0
55	MG	1A	3139	1/1	0.93	0.10	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3143	1/1	0.93	0.18	54,54,54,54	0
55	MG	1A	3411	1/1	0.93	0.19	39,39,39,39	0
55	MG	1A	3312	1/1	0.93	0.15	40,40,40,40	0
55	MG	1A	3842	1/1	0.93	0.07	42,42,42,42	0
55	MG	2A	3006	1/1	0.93	0.12	57,57,57,57	0
55	MG	2A	3550	1/1	0.93	0.09	68,68,68,68	0
55	MG	19	102	1/1	0.93	0.14	52,52,52,52	0
55	MG	1A	3002	1/1	0.93	0.09	43,43,43,43	0
55	MG	1A	3314	1/1	0.93	0.25	29,29,29,29	0
55	MG	2A	3023	1/1	0.93	0.17	54,54,54,54	0
55	MG	1A	3172	1/1	0.93	0.26	50,50,50,50	0
55	MG	1A	3058	1/1	0.93	0.17	50,50,50,50	0
55	MG	1A	3115	1/1	0.93	0.19	42,42,42,42	0
55	MG	2a	3081	1/1	0.93	0.10	49,49,49,49	0
55	MG	2A	3561	1/1	0.93	0.14	45,45,45,45	0
55	MG	2a	3085	1/1	0.93	0.33	50,50,50,50	0
55	MG	2A	3263	1/1	0.93	0.26	58,58,58,58	0
55	MG	1A	3327	1/1	0.93	0.09	53,53,53,53	0
55	MG	1a	3158	1/1	0.93	0.14	52,52,52,52	0
55	MG	2A	3267	1/1	0.93	0.14	45,45,45,45	0
55	MG	2A	3268	1/1	0.93	0.12	54,54,54,54	0
55	MG	1A	4005	1/1	0.93	0.14	60,60,60,60	0
55	MG	1A	3858	1/1	0.93	0.12	46,46,46,46	0
55	MG	2A	3276	1/1	0.93	0.14	52,52,52,52	0
55	MG	2a	3098	1/1	0.93	0.12	74,74,74,74	0
55	MG	1A	3859	1/1	0.93	0.10	49,49,49,49	0
55	MG	1A	3860	1/1	0.93	0.24	36,36,36,36	0
55	MG	2A	3281	1/1	0.93	0.14	25,25,25,25	0
55	MG	1A	3209	1/1	0.93	0.21	38,38,38,38	0
55	MG	2A	3588	1/1	0.93	0.11	36,36,36,36	0
55	MG	2A	3590	1/1	0.93	0.11	50,50,50,50	0
55	MG	2A	3287	1/1	0.93	0.12	34,34,34,34	0
55	MG	2A	3603	1/1	0.93	0.07	54,54,54,54	0
55	MG	2A	3606	1/1	0.93	0.12	55,55,55,55	0
55	MG	2a	3117	1/1	0.93	0.14	55,55,55,55	0
55	MG	1a	3019	1/1	0.93	0.11	55,55,55,55	0
55	MG	2A	3046	1/1	0.93	0.23	58,58,58,58	0
55	MG	1A	3345	1/1	0.93	0.12	44,44,44,44	0
55	MG	2A	3048	1/1	0.93	0.15	53,53,53,53	0
55	MG	1A	3869	1/1	0.93	0.16	28,28,28,28	0
55	MG	1A	4014	1/1	0.93	0.16	45,45,45,45	0
55	MG	2a	3126	1/1	0.93	0.20	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3024	1/1	0.93	0.13	46,46,46,46	0
55	MG	2A	3626	1/1	0.93	0.10	51,51,51,51	0
55	MG	1A	3732	1/1	0.93	0.14	57,57,57,57	0
55	MG	2a	3130	1/1	0.93	0.12	69,69,69,69	0
55	MG	2A	3308	1/1	0.93	0.16	60,60,60,60	0
55	MG	2A	3309	1/1	0.93	0.13	52,52,52,52	0
55	MG	1A	3872	1/1	0.93	0.10	24,24,24,24	0
55	MG	1A	4019	1/1	0.93	0.12	46,46,46,46	0
55	MG	1a	3031	1/1	0.93	0.34	57,57,57,57	0
55	MG	2A	3059	1/1	0.93	0.11	37,37,37,37	0
55	MG	1a	3176	1/1	0.93	0.10	64,64,64,64	0
55	MG	1A	3437	1/1	0.93	0.10	56,56,56,56	0
55	MG	1A	3351	1/1	0.93	0.08	57,57,57,57	0
55	MG	2a	3156	1/1	0.93	0.12	73,73,73,73	0
55	MG	2A	3065	1/1	0.93	0.28	54,54,54,54	0
55	MG	1A	3741	1/1	0.93	0.18	48,48,48,48	0
55	MG	1A	3742	1/1	0.93	0.07	25,25,25,25	0
55	MG	1A	3210	1/1	0.93	0.17	47,47,47,47	0
55	MG	2A	3343	1/1	0.93	0.11	27,27,27,27	0
55	MG	1a	3182	1/1	0.93	0.15	68,68,68,68	0
55	MG	1a	3039	1/1	0.93	0.27	61,61,61,61	0
55	MG	2A	3077	1/1	0.93	0.36	49,49,49,49	0
55	MG	1A	3179	1/1	0.93	0.12	53,53,53,53	0
55	MG	2A	3351	1/1	0.93	0.11	45,45,45,45	0
55	MG	1A	3554	1/1	0.93	0.16	69,69,69,69	0
55	MG	2A	3680	1/1	0.93	0.09	56,56,56,56	0
55	MG	1A	3892	1/1	0.93	0.06	44,44,44,44	0
55	MG	2A	3085	1/1	0.93	0.17	51,51,51,51	0
55	MG	1A	3442	1/1	0.93	0.15	50,50,50,50	0
55	MG	2A	3694	1/1	0.93	0.10	59,59,59,59	0
55	MG	2a	3191	1/1	0.93	0.33	51,51,51,51	0
55	MG	2A	3697	1/1	0.93	0.12	64,64,64,64	0
55	MG	1B	207	1/1	0.93	0.17	57,57,57,57	0
55	MG	2A	3367	1/1	0.93	0.10	53,53,53,53	0
55	MG	2A	3091	1/1	0.93	0.11	36,36,36,36	0
55	MG	1A	3155	1/1	0.93	0.14	35,35,35,35	0
55	MG	2k	201	1/1	0.93	0.13	53,53,53,53	0
55	MG	2A	3370	1/1	0.93	0.17	50,50,50,50	0
55	MG	1B	209	1/1	0.93	0.08	41,41,41,41	0
55	MG	2t	201	1/1	0.93	0.18	51,51,51,51	0
55	MG	2A	3710	1/1	0.93	0.14	45,45,45,45	0
55	MG	1a	3198	1/1	0.93	0.08	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3156	1/1	0.93	0.18	41,41,41,41	0
58	ZN	24	501	1/1	0.93	0.17	132,132,132,132	0
55	MG	1A	3357	1/1	0.94	0.10	24,24,24,24	0
55	MG	2A	3246	1/1	0.94	0.13	57,57,57,57	0
55	MG	1A	3080	1/1	0.94	0.12	36,36,36,36	0
55	MG	1R	204	1/1	0.94	0.12	55,55,55,55	0
55	MG	1A	3992	1/1	0.94	0.10	68,68,68,68	0
55	MG	1A	3360	1/1	0.94	0.13	54,54,54,54	0
55	MG	2F	301	1/1	0.94	0.18	43,43,43,43	0
55	MG	2A	3502	1/1	0.94	0.12	47,47,47,47	0
55	MG	1A	3743	1/1	0.94	0.11	46,46,46,46	0
55	MG	1A	3190	1/1	0.94	0.19	30,30,30,30	0
55	MG	1A	3158	1/1	0.94	0.31	35,35,35,35	0
55	MG	1a	3221	1/1	0.94	0.10	60,60,60,60	0
55	MG	2N	201	1/1	0.94	0.10	69,69,69,69	0
55	MG	1U	201	1/1	0.94	0.15	30,30,30,30	0
55	MG	2A	3509	1/1	0.94	0.12	44,44,44,44	0
55	MG	1A	3082	1/1	0.94	0.21	45,45,45,45	0
55	MG	1V	204	1/1	0.94	0.12	31,31,31,31	0
55	MG	1V	206	1/1	0.94	0.12	62,62,62,62	0
55	MG	2A	3513	1/1	0.94	0.13	37,37,37,37	0
55	MG	1V	207	1/1	0.94	0.07	55,55,55,55	0
55	MG	1a	3092	1/1	0.94	0.17	62,62,62,62	0
55	MG	2A	3088	1/1	0.94	0.42	49,49,49,49	0
55	MG	1A	3234	1/1	0.94	0.24	33,33,33,33	0
55	MG	1a	3232	1/1	0.94	0.26	69,69,69,69	0
55	MG	1A	3025	1/1	0.94	0.25	49,49,49,49	0
55	MG	23	101	1/1	0.94	0.09	44,44,44,44	0
55	MG	1a	3234	1/1	0.94	0.17	73,73,73,73	0
55	MG	2A	3523	1/1	0.94	0.17	48,48,48,48	0
55	MG	25	103	1/1	0.94	0.12	53,53,53,53	0
55	MG	2A	3094	1/1	0.94	0.12	37,37,37,37	0
55	MG	1A	3866	1/1	0.94	0.10	38,38,38,38	0
55	MG	1A	3020	1/1	0.94	0.18	37,37,37,37	0
55	MG	2A	3289	1/1	0.94	0.07	41,41,41,41	0
55	MG	1A	3097	1/1	0.94	0.11	51,51,51,51	0
55	MG	1a	3240	1/1	0.94	0.22	67,67,67,67	0
55	MG	1A	3459	1/1	0.94	0.12	30,30,30,30	0
55	MG	1A	3129	1/1	0.94	0.07	31,31,31,31	0
55	MG	2A	3104	1/1	0.94	0.18	43,43,43,43	0
55	MG	1A	3874	1/1	0.94	0.12	64,64,64,64	0
55	MG	2A	3106	1/1	0.94	0.34	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3304	1/1	0.94	0.19	58,58,58,58	0
55	MG	1A	3764	1/1	0.94	0.14	47,47,47,47	0
55	MG	1A	3765	1/1	0.94	0.13	49,49,49,49	0
55	MG	1A	3247	1/1	0.94	0.27	45,45,45,45	0
55	MG	2A	3540	1/1	0.94	0.07	40,40,40,40	0
55	MG	2a	3020	1/1	0.94	0.15	73,73,73,73	0
55	MG	2A	3541	1/1	0.94	0.09	55,55,55,55	0
55	MG	1A	3305	1/1	0.94	0.11	45,45,45,45	0
55	MG	1a	3113	1/1	0.94	0.13	52,52,52,52	0
55	MG	1A	3665	1/1	0.94	0.08	18,18,18,18	0
55	MG	1A	3574	1/1	0.94	0.11	41,41,41,41	0
55	MG	17	101	1/1	0.94	0.14	24,24,24,24	0
55	MG	1A	4013	1/1	0.94	0.12	54,54,54,54	0
55	MG	2A	3318	1/1	0.94	0.08	35,35,35,35	0
55	MG	2A	3123	1/1	0.94	0.19	45,45,45,45	0
55	MG	1A	3668	1/1	0.94	0.17	27,27,27,27	0
55	MG	2a	3032	1/1	0.94	0.16	67,67,67,67	0
55	MG	2A	3331	1/1	0.94	0.10	36,36,36,36	0
55	MG	1A	3253	1/1	0.94	0.28	38,38,38,38	0
55	MG	1A	3773	1/1	0.94	0.10	42,42,42,42	0
55	MG	1A	3387	1/1	0.94	0.09	21,21,21,21	0
55	MG	1a	3002	1/1	0.94	0.16	50,50,50,50	0
55	MG	1A	3310	1/1	0.94	0.09	37,37,37,37	0
55	MG	1A	3583	1/1	0.94	0.15	29,29,29,29	0
55	MG	2A	3348	1/1	0.94	0.08	35,35,35,35	0
55	MG	1A	3782	1/1	0.94	0.11	43,43,43,43	0
55	MG	1A	3391	1/1	0.94	0.09	23,23,23,23	0
55	MG	1A	3679	1/1	0.94	0.10	48,48,48,48	0
55	MG	1a	3008	1/1	0.94	0.09	58,58,58,58	0
55	MG	2A	3141	1/1	0.94	0.14	63,63,63,63	0
55	MG	2A	3357	1/1	0.94	0.12	47,47,47,47	0
55	MG	2A	3142	1/1	0.94	0.10	48,48,48,48	0
55	MG	1a	3136	1/1	0.94	0.25	62,62,62,62	0
55	MG	2a	3052	1/1	0.94	0.31	65,65,65,65	0
55	MG	1a	3009	1/1	0.94	0.21	47,47,47,47	0
55	MG	2A	3149	1/1	0.94	0.10	33,33,33,33	0
55	MG	2A	3593	1/1	0.94	0.07	61,61,61,61	0
55	MG	1a	3276	1/1	0.94	0.08	67,67,67,67	0
55	MG	2A	3153	1/1	0.94	0.24	48,48,48,48	0
55	MG	1A	3040	1/1	0.94	0.12	51,51,51,51	0
55	MG	2A	3371	1/1	0.94	0.06	31,31,31,31	0
55	MG	2A	3157	1/1	0.94	0.15	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3918	1/1	0.94	0.09	37,37,37,37	0
55	MG	2A	3375	1/1	0.94	0.11	61,61,61,61	0
55	MG	2A	3379	1/1	0.94	0.10	52,52,52,52	0
55	MG	1A	3494	1/1	0.94	0.10	28,28,28,28	0
55	MG	1a	3142	1/1	0.94	0.09	49,49,49,49	0
55	MG	1A	3588	1/1	0.94	0.09	40,40,40,40	0
55	MG	2A	3170	1/1	0.94	0.11	56,56,56,56	0
55	MG	2a	3069	1/1	0.94	0.21	55,55,55,55	0
55	MG	1A	3131	1/1	0.94	0.18	41,41,41,41	0
55	MG	1a	3018	1/1	0.94	0.09	57,57,57,57	0
55	MG	1A	3136	1/1	0.94	0.08	38,38,38,38	0
55	MG	1a	3149	1/1	0.94	0.11	47,47,47,47	0
55	MG	1a	3020	1/1	0.94	0.10	53,53,53,53	0
55	MG	2A	3633	1/1	0.94	0.07	52,52,52,52	0
55	MG	1A	3500	1/1	0.94	0.09	29,29,29,29	0
55	MG	2A	3392	1/1	0.94	0.18	62,62,62,62	0
55	MG	2A	3636	1/1	0.94	0.10	49,49,49,49	0
55	MG	2A	3179	1/1	0.94	0.16	45,45,45,45	0
55	MG	1a	3152	1/1	0.94	0.24	53,53,53,53	0
55	MG	1A	3102	1/1	0.94	0.14	44,44,44,44	0
55	MG	1A	3598	1/1	0.94	0.15	38,38,38,38	0
55	MG	2A	3403	1/1	0.94	0.11	50,50,50,50	0
55	MG	1A	3021	1/1	0.94	0.11	42,42,42,42	0
55	MG	1a	3025	1/1	0.94	0.10	57,57,57,57	0
55	MG	2A	3657	1/1	0.94	0.07	48,48,48,48	0
55	MG	2A	3658	1/1	0.94	0.10	79,79,79,79	0
55	MG	2A	3186	1/1	0.94	0.11	52,52,52,52	0
55	MG	1A	3804	1/1	0.94	0.06	24,24,24,24	0
55	MG	2a	3100	1/1	0.94	0.25	61,61,61,61	0
55	MG	2a	3102	1/1	0.94	0.25	44,44,44,44	0
55	MG	2a	3103	1/1	0.94	0.11	52,52,52,52	0
55	MG	1k	201	1/1	0.94	0.12	41,41,41,41	0
55	MG	1A	3507	1/1	0.94	0.12	65,65,65,65	0
55	MG	2A	3419	1/1	0.94	0.23	52,52,52,52	0
55	MG	1A	3508	1/1	0.94	0.12	51,51,51,51	0
55	MG	2A	3674	1/1	0.94	0.07	41,41,41,41	0
55	MG	1A	3318	1/1	0.94	0.13	41,41,41,41	0
55	MG	2A	3681	1/1	0.94	0.09	62,62,62,62	0
55	MG	2A	3685	1/1	0.94	0.08	56,56,56,56	0
55	MG	1A	3701	1/1	0.94	0.16	59,59,59,59	0
55	MG	2a	3115	1/1	0.94	0.15	57,57,57,57	0
55	MG	1A	3417	1/1	0.94	0.11	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1o	102	1/1	0.94	0.15	44,44,44,44	0
55	MG	1a	3163	1/1	0.94	0.27	58,58,58,58	0
55	MG	1B	227	1/1	0.94	0.09	42,42,42,42	0
55	MG	1A	3953	1/1	0.94	0.09	49,49,49,49	0
55	MG	1A	3811	1/1	0.94	0.11	55,55,55,55	0
55	MG	1A	3812	1/1	0.94	0.13	66,66,66,66	0
55	MG	1D	303	1/1	0.94	0.13	41,41,41,41	0
55	MG	2A	3434	1/1	0.94	0.14	42,42,42,42	0
55	MG	1A	3514	1/1	0.94	0.06	30,30,30,30	0
55	MG	2A	3437	1/1	0.94	0.09	62,62,62,62	0
55	MG	1A	3319	1/1	0.94	0.25	35,35,35,35	0
55	MG	1A	3064	1/1	0.94	0.21	58,58,58,58	0
55	MG	2a	3132	1/1	0.94	0.13	52,52,52,52	0
55	MG	1A	3709	1/1	0.94	0.09	47,47,47,47	0
55	MG	2A	3442	1/1	0.94	0.08	48,48,48,48	0
55	MG	2A	3444	1/1	0.94	0.12	51,51,51,51	0
55	MG	1A	3324	1/1	0.94	0.12	51,51,51,51	0
55	MG	2A	3447	1/1	0.94	0.07	45,45,45,45	0
55	MG	1a	3047	1/1	0.94	0.22	58,58,58,58	0
55	MG	2a	3152	1/1	0.94	0.07	68,68,68,68	0
55	MG	1A	3428	1/1	0.94	0.07	25,25,25,25	0
55	MG	1A	3966	1/1	0.94	0.08	60,60,60,60	0
55	MG	2A	3027	1/1	0.94	0.09	41,41,41,41	0
55	MG	1A	3521	1/1	0.94	0.17	33,33,33,33	0
55	MG	1A	3430	1/1	0.94	0.11	29,29,29,29	0
55	MG	2A	3036	1/1	0.94	0.22	52,52,52,52	0
55	MG	1E	309	1/1	0.94	0.12	48,48,48,48	0
55	MG	1A	3825	1/1	0.94	0.15	27,27,27,27	0
55	MG	1A	3267	1/1	0.94	0.16	30,30,30,30	0
55	MG	1A	3150	1/1	0.94	0.08	41,41,41,41	0
55	MG	2a	3172	1/1	0.94	0.06	73,73,73,73	0
55	MG	1A	3330	1/1	0.94	0.18	45,45,45,45	0
55	MG	2A	3742	1/1	0.94	0.13	43,43,43,43	0
55	MG	1A	3184	1/1	0.94	0.16	42,42,42,42	0
55	MG	2a	3177	1/1	0.94	0.17	58,58,58,58	0
55	MG	1A	3537	1/1	0.94	0.12	40,40,40,40	0
55	MG	1A	3047	1/1	0.94	0.27	44,44,44,44	0
55	MG	2A	3226	1/1	0.94	0.09	52,52,52,52	0
55	MG	1A	3979	1/1	0.94	0.08	44,44,44,44	0
55	MG	1A	3217	1/1	0.94	0.32	34,34,34,34	0
55	MG	1a	3197	1/1	0.94	0.10	74,74,74,74	0
55	MG	2A	3474	1/1	0.94	0.07	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3841	1/1	0.94	0.10	32,32,32,32	0
55	MG	2A	3232	1/1	0.94	0.17	58,58,58,58	0
55	MG	2B	209	1/1	0.94	0.09	71,71,71,71	0
55	MG	2f	201	1/1	0.94	0.14	38,38,38,38	0
55	MG	2A	3233	1/1	0.94	0.16	50,50,50,50	0
55	MG	1A	3218	1/1	0.94	0.12	54,54,54,54	0
55	MG	1A	3985	1/1	0.94	0.10	39,39,39,39	0
55	MG	2B	215	1/1	0.94	0.09	58,58,58,58	0
55	MG	1A	3846	1/1	0.94	0.13	41,41,41,41	0
55	MG	2A	3237	1/1	0.94	0.28	39,39,39,39	0
55	MG	1A	3543	1/1	0.94	0.10	36,36,36,36	0
55	MG	2A	3240	1/1	0.94	0.22	48,48,48,48	0
55	MG	1A	3110	1/1	0.94	0.12	27,27,27,27	0
55	MG	1Q	204	1/1	0.94	0.14	32,32,32,32	0
55	MG	1A	3503	1/1	0.95	0.07	40,40,40,40	0
55	MG	1A	3907	1/1	0.95	0.07	54,54,54,54	0
55	MG	1A	3073	1/1	0.95	0.17	27,27,27,27	0
55	MG	1a	3254	1/1	0.95	0.16	56,56,56,56	0
55	MG	2A	3160	1/1	0.95	0.08	30,30,30,30	0
55	MG	1D	316	1/1	0.95	0.11	52,52,52,52	0
55	MG	1A	3745	1/1	0.95	0.05	37,37,37,37	0
55	MG	2A	3164	1/1	0.95	0.10	54,54,54,54	0
55	MG	2A	3426	1/1	0.95	0.08	47,47,47,47	0
55	MG	1A	3611	1/1	0.95	0.24	35,35,35,35	0
55	MG	2A	3166	1/1	0.95	0.11	69,69,69,69	0
55	MG	1a	3258	1/1	0.95	0.29	61,61,61,61	0
55	MG	1A	3747	1/1	0.95	0.08	34,34,34,34	0
55	MG	2A	3431	1/1	0.95	0.07	25,25,25,25	0
55	MG	1A	3749	1/1	0.95	0.07	63,63,63,63	0
55	MG	1A	3613	1/1	0.95	0.14	27,27,27,27	0
55	MG	2A	3435	1/1	0.95	0.15	56,56,56,56	0
55	MG	1A	3074	1/1	0.95	0.07	29,29,29,29	0
55	MG	1A	3930	1/1	0.95	0.10	54,54,54,54	0
55	MG	1A	3225	1/1	0.95	0.14	27,27,27,27	0
55	MG	1A	3226	1/1	0.95	0.11	44,44,44,44	0
55	MG	1A	3512	1/1	0.95	0.08	22,22,22,22	0
55	MG	1G	202	1/1	0.95	0.16	49,49,49,49	0
55	MG	1A	3406	1/1	0.95	0.16	41,41,41,41	0
55	MG	2B	218	1/1	0.95	0.06	67,67,67,67	0
55	MG	2A	3445	1/1	0.95	0.10	55,55,55,55	0
55	MG	2D	301	1/1	0.95	0.16	34,34,34,34	0
55	MG	2D	303	1/1	0.95	0.49	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1G	204	1/1	0.95	0.12	42,42,42,42	0
55	MG	1A	3940	1/1	0.95	0.07	51,51,51,51	0
55	MG	2D	307	1/1	0.95	0.16	47,47,47,47	0
55	MG	1A	3941	1/1	0.95	0.09	54,54,54,54	0
55	MG	1A	3298	1/1	0.95	0.16	41,41,41,41	0
55	MG	1A	3625	1/1	0.95	0.12	25,25,25,25	0
55	MG	1a	3100	1/1	0.95	0.25	56,56,56,56	0
55	MG	1a	3101	1/1	0.95	0.14	52,52,52,52	0
55	MG	2E	301	1/1	0.95	0.09	54,54,54,54	0
55	MG	2E	302	1/1	0.95	0.28	41,41,41,41	0
55	MG	1A	3227	1/1	0.95	0.11	33,33,33,33	0
55	MG	1A	3032	1/1	0.95	0.10	37,37,37,37	0
55	MG	2A	3193	1/1	0.95	0.10	45,45,45,45	0
55	MG	1A	3302	1/1	0.95	0.14	36,36,36,36	0
55	MG	1d	304	1/1	0.95	0.10	69,69,69,69	0
55	MG	1A	3632	1/1	0.95	0.07	27,27,27,27	0
55	MG	1A	3019	1/1	0.95	0.20	38,38,38,38	0
55	MG	1A	3951	1/1	0.95	0.07	40,40,40,40	0
55	MG	1A	3418	1/1	0.95	0.08	14,14,14,14	0
55	MG	1A	3085	1/1	0.95	0.33	34,34,34,34	0
55	MG	1A	3010	1/1	0.95	0.11	46,46,46,46	0
55	MG	1A	3531	1/1	0.95	0.12	39,39,39,39	0
55	MG	1A	3775	1/1	0.95	0.06	30,30,30,30	0
55	MG	1A	3423	1/1	0.95	0.07	25,25,25,25	0
55	MG	1A	3778	1/1	0.95	0.09	45,45,45,45	0
55	MG	1A	3961	1/1	0.95	0.12	42,42,42,42	0
55	MG	2T	202	1/1	0.95	0.09	62,62,62,62	0
55	MG	1A	3237	1/1	0.95	0.25	35,35,35,35	0
55	MG	2T	204	1/1	0.95	0.13	49,49,49,49	0
55	MG	2A	3209	1/1	0.95	0.22	62,62,62,62	0
55	MG	1A	3425	1/1	0.95	0.10	35,35,35,35	0
55	MG	2V	203	1/1	0.95	0.08	46,46,46,46	0
55	MG	1A	3089	1/1	0.95	0.12	33,33,33,33	0
55	MG	1A	3783	1/1	0.95	0.12	20,20,20,20	0
55	MG	1m	201	1/1	0.95	0.09	69,69,69,69	0
55	MG	1A	3092	1/1	0.95	0.22	31,31,31,31	0
55	MG	1X	101	1/1	0.95	0.07	56,56,56,56	0
55	MG	1A	3050	1/1	0.95	0.12	31,31,31,31	0
55	MG	1A	3244	1/1	0.95	0.27	49,49,49,49	0
55	MG	27	101	1/1	0.95	0.28	37,37,37,37	0
55	MG	28	101	1/1	0.95	0.09	53,53,53,53	0
55	MG	1A	3649	1/1	0.95	0.06	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3651	1/1	0.95	0.16	38,38,38,38	0
55	MG	1A	3051	1/1	0.95	0.15	27,27,27,27	0
55	MG	1A	3653	1/1	0.95	0.10	30,30,30,30	0
55	MG	1A	3545	1/1	0.95	0.08	29,29,29,29	0
55	MG	2A	3001	1/1	0.95	0.31	55,55,55,55	0
55	MG	1A	3248	1/1	0.95	0.11	34,34,34,34	0
55	MG	2a	3008	1/1	0.95	0.24	55,55,55,55	0
55	MG	1A	3657	1/1	0.95	0.16	49,49,49,49	0
55	MG	2A	3228	1/1	0.95	0.08	45,45,45,45	0
55	MG	1a	3144	1/1	0.95	0.15	49,49,49,49	0
55	MG	2A	3506	1/1	0.95	0.11	33,33,33,33	0
55	MG	2a	3013	1/1	0.95	0.08	47,47,47,47	0
55	MG	1A	3549	1/1	0.95	0.16	39,39,39,39	0
55	MG	2A	3012	1/1	0.95	0.09	49,49,49,49	0
55	MG	1A	3661	1/1	0.95	0.08	18,18,18,18	0
55	MG	1A	3252	1/1	0.95	0.31	28,28,28,28	0
55	MG	2A	3022	1/1	0.95	0.36	45,45,45,45	0
55	MG	15	103	1/1	0.95	0.14	32,32,32,32	0
55	MG	1A	3663	1/1	0.95	0.07	16,16,16,16	0
55	MG	15	107	1/1	0.95	0.08	52,52,52,52	0
55	MG	2A	3026	1/1	0.95	0.12	41,41,41,41	0
55	MG	2A	3239	1/1	0.95	0.26	47,47,47,47	0
55	MG	1A	3151	1/1	0.95	0.08	38,38,38,38	0
55	MG	2A	3029	1/1	0.95	0.05	40,40,40,40	0
55	MG	1A	3553	1/1	0.95	0.06	25,25,25,25	0
55	MG	1A	3809	1/1	0.95	0.08	62,62,62,62	0
55	MG	2A	3245	1/1	0.95	0.09	48,48,48,48	0
55	MG	1A	3054	1/1	0.95	0.14	30,30,30,30	0
55	MG	1A	3256	1/1	0.95	0.18	37,37,37,37	0
55	MG	1A	3991	1/1	0.95	0.07	45,45,45,45	0
55	MG	2a	3034	1/1	0.95	0.27	58,58,58,58	0
55	MG	2A	3250	1/1	0.95	0.08	56,56,56,56	0
55	MG	1A	3036	1/1	0.95	0.07	41,41,41,41	0
55	MG	1A	3004	1/1	0.95	0.09	39,39,39,39	0
55	MG	2A	3254	1/1	0.95	0.21	55,55,55,55	0
55	MG	1A	3675	1/1	0.95	0.08	41,41,41,41	0
55	MG	1A	3676	1/1	0.95	0.21	33,33,33,33	0
55	MG	1A	3344	1/1	0.95	0.10	51,51,51,51	0
55	MG	2A	3045	1/1	0.95	0.12	34,34,34,34	0
55	MG	1A	3562	1/1	0.95	0.06	32,32,32,32	0
55	MG	1A	3023	1/1	0.95	0.32	37,37,37,37	0
55	MG	1A	3565	1/1	0.95	0.10	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3349	1/1	0.95	0.07	30,30,30,30	0
55	MG	1A	3160	1/1	0.95	0.08	28,28,28,28	0
55	MG	2A	3051	1/1	0.95	0.28	56,56,56,56	0
55	MG	1A	3262	1/1	0.95	0.14	38,38,38,38	0
55	MG	2A	3272	1/1	0.95	0.11	31,31,31,31	0
55	MG	1A	3450	1/1	0.95	0.08	38,38,38,38	0
55	MG	1a	3016	1/1	0.95	0.10	63,63,63,63	0
55	MG	2a	3055	1/1	0.95	0.24	49,49,49,49	0
55	MG	1A	3203	1/1	0.95	0.24	48,48,48,48	0
55	MG	2A	3279	1/1	0.95	0.17	48,48,48,48	0
55	MG	1A	3833	1/1	0.95	0.06	20,20,20,20	0
55	MG	1A	3265	1/1	0.95	0.10	39,39,39,39	0
55	MG	1a	3175	1/1	0.95	0.08	56,56,56,56	0
55	MG	2A	3285	1/1	0.95	0.09	11,11,11,11	0
55	MG	1A	3836	1/1	0.95	0.09	43,43,43,43	0
55	MG	1A	3456	1/1	0.95	0.13	45,45,45,45	0
55	MG	2A	3064	1/1	0.95	0.11	26,26,26,26	0
55	MG	1A	3575	1/1	0.95	0.10	33,33,33,33	0
55	MG	2A	3066	1/1	0.95	0.08	42,42,42,42	0
55	MG	1A	3161	1/1	0.95	0.26	30,30,30,30	0
55	MG	1A	3108	1/1	0.95	0.24	32,32,32,32	0
55	MG	2A	3570	1/1	0.95	0.10	54,54,54,54	0
55	MG	2A	3571	1/1	0.95	0.08	31,31,31,31	0
55	MG	2A	3299	1/1	0.95	0.06	30,30,30,30	0
55	MG	1A	3460	1/1	0.95	0.06	18,18,18,18	0
55	MG	1A	3700	1/1	0.95	0.48	42,42,42,42	0
55	MG	1a	3028	1/1	0.95	0.12	64,64,64,64	0
55	MG	1a	3185	1/1	0.95	0.08	72,72,72,72	0
55	MG	2A	3306	1/1	0.95	0.07	30,30,30,30	0
55	MG	1a	3186	1/1	0.95	0.09	56,56,56,56	0
55	MG	2A	3081	1/1	0.95	0.10	48,48,48,48	0
55	MG	1A	3461	1/1	0.95	0.07	38,38,38,38	0
55	MG	1A	4017	1/1	0.95	0.15	44,44,44,44	0
55	MG	2A	3591	1/1	0.95	0.09	77,77,77,77	0
55	MG	2a	3087	1/1	0.95	0.14	51,51,51,51	0
55	MG	2A	3313	1/1	0.95	0.09	46,46,46,46	0
55	MG	1A	3361	1/1	0.95	0.08	34,34,34,34	0
55	MG	2A	3596	1/1	0.95	0.08	30,30,30,30	0
55	MG	2A	3600	1/1	0.95	0.11	66,66,66,66	0
55	MG	1A	3270	1/1	0.95	0.29	50,50,50,50	0
55	MG	2a	3094	1/1	0.95	0.08	62,62,62,62	0
55	MG	2A	3087	1/1	0.95	0.16	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1a	3033	1/1	0.95	0.13	33,33,33,33	0
55	MG	1A	3586	1/1	0.95	0.07	30,30,30,30	0
55	MG	1A	3465	1/1	0.95	0.08	38,38,38,38	0
55	MG	2A	3323	1/1	0.95	0.09	40,40,40,40	0
55	MG	2A	3324	1/1	0.95	0.11	56,56,56,56	0
55	MG	1A	3856	1/1	0.95	0.11	40,40,40,40	0
55	MG	2a	3105	1/1	0.95	0.16	43,43,43,43	0
55	MG	1A	3466	1/1	0.95	0.07	49,49,49,49	0
55	MG	2A	3623	1/1	0.95	0.09	28,28,28,28	0
55	MG	2A	3624	1/1	0.95	0.08	47,47,47,47	0
55	MG	2A	3625	1/1	0.95	0.10	71,71,71,71	0
55	MG	2a	3110	1/1	0.95	0.18	48,48,48,48	0
55	MG	1A	3468	1/1	0.95	0.07	36,36,36,36	0
55	MG	2A	3095	1/1	0.95	0.20	46,46,46,46	0
55	MG	2A	3340	1/1	0.95	0.10	43,43,43,43	0
55	MG	1A	3591	1/1	0.95	0.11	56,56,56,56	0
55	MG	1A	3059	1/1	0.95	0.15	50,50,50,50	0
55	MG	1A	3594	1/1	0.95	0.10	22,22,22,22	0
55	MG	2A	3346	1/1	0.95	0.06	30,30,30,30	0
55	MG	1A	3060	1/1	0.95	0.14	32,32,32,32	0
55	MG	1A	3112	1/1	0.95	0.15	50,50,50,50	0
55	MG	1A	3719	1/1	0.95	0.10	31,31,31,31	0
55	MG	2A	3103	1/1	0.95	0.11	37,37,37,37	0
55	MG	1A	3277	1/1	0.95	0.14	40,40,40,40	0
55	MG	1a	3210	1/1	0.95	0.07	54,54,54,54	0
55	MG	1a	3049	1/1	0.95	0.13	49,49,49,49	0
55	MG	1A	3487	1/1	0.95	0.09	64,64,64,64	0
55	MG	1a	3213	1/1	0.95	0.08	83,83,83,83	0
55	MG	1a	3214	1/1	0.95	0.09	62,62,62,62	0
55	MG	2A	3365	1/1	0.95	0.18	47,47,47,47	0
55	MG	1A	3722	1/1	0.95	0.18	31,31,31,31	0
55	MG	1A	3008	1/1	0.95	0.07	39,39,39,39	0
55	MG	1A	3727	1/1	0.95	0.07	38,38,38,38	0
55	MG	1A	3214	1/1	0.95	0.07	36,36,36,36	0
55	MG	2A	3120	1/1	0.95	0.19	55,55,55,55	0
55	MG	2a	3143	1/1	0.95	0.06	61,61,61,61	0
55	MG	2a	3144	1/1	0.95	0.07	71,71,71,71	0
55	MG	2a	3147	1/1	0.95	0.08	39,39,39,39	0
55	MG	1a	3057	1/1	0.95	0.07	66,66,66,66	0
55	MG	1a	3058	1/1	0.95	0.21	44,44,44,44	0
55	MG	1A	3043	1/1	0.95	0.16	27,27,27,27	0
55	MG	1A	3122	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
55	MG	2A	3678	1/1	0.95	0.06	55,55,55,55	0
55	MG	2A	3376	1/1	0.95	0.07	59,59,59,59	0
55	MG	1A	3123	1/1	0.95	0.13	30,30,30,30	0
55	MG	1A	3890	1/1	0.95	0.07	28,28,28,28	0
55	MG	2a	3162	1/1	0.95	0.07	62,62,62,62	0
55	MG	1a	3063	1/1	0.95	0.13	69,69,69,69	0
55	MG	1B	223	1/1	0.95	0.14	53,53,53,53	0
55	MG	2a	3166	1/1	0.95	0.06	62,62,62,62	0
55	MG	1B	226	1/1	0.95	0.10	41,41,41,41	0
55	MG	1A	3734	1/1	0.95	0.09	56,56,56,56	0
55	MG	2a	3170	1/1	0.95	0.09	51,51,51,51	0
55	MG	2A	3695	1/1	0.95	0.07	45,45,45,45	0
55	MG	1a	3067	1/1	0.95	0.30	55,55,55,55	0
55	MG	2A	3698	1/1	0.95	0.07	71,71,71,71	0
55	MG	1A	3605	1/1	0.95	0.09	48,48,48,48	0
55	MG	2A	3700	1/1	0.95	0.08	38,38,38,38	0
55	MG	1A	3068	1/1	0.95	0.25	37,37,37,37	0
55	MG	1A	3739	1/1	0.95	0.20	37,37,37,37	0
55	MG	1D	302	1/1	0.95	0.15	43,43,43,43	0
55	MG	1A	3895	1/1	0.95	0.10	46,46,46,46	0
55	MG	2A	3143	1/1	0.95	0.11	42,42,42,42	0
55	MG	2A	3707	1/1	0.95	0.08	53,53,53,53	0
55	MG	1A	3740	1/1	0.95	0.09	47,47,47,47	0
55	MG	2A	3397	1/1	0.95	0.10	50,50,50,50	0
55	MG	2A	3145	1/1	0.95	0.07	41,41,41,41	0
55	MG	2A	3146	1/1	0.95	0.14	62,62,62,62	0
55	MG	2A	3714	1/1	0.95	0.08	63,63,63,63	0
55	MG	1A	3291	1/1	0.95	0.10	65,65,65,65	0
55	MG	2A	3406	1/1	0.95	0.10	63,63,63,63	0
55	MG	2A	3408	1/1	0.95	0.07	35,35,35,35	0
55	MG	2A	3148	1/1	0.95	0.09	36,36,36,36	0
55	MG	1a	3075	1/1	0.95	0.27	51,51,51,51	0
55	MG	2A	3150	1/1	0.95	0.12	49,49,49,49	0
55	MG	2A	3722	1/1	0.95	0.10	44,44,44,44	0
55	MG	2A	3151	1/1	0.95	0.16	52,52,52,52	0
55	MG	1A	3902	1/1	0.95	0.07	46,46,46,46	0
57	MPD	18	102	8/8	0.95	0.11	31,33,34,41	0
55	MG	2A	3417	1/1	0.95	0.12	41,41,41,41	0
58	ZN	14	501	1/1	0.95	0.15	115,115,115,115	0
55	MG	2A	3729	1/1	0.95	0.06	63,63,63,63	0
55	MG	1A	3928	1/1	0.96	0.06	51,51,51,51	0
55	MG	1A	3536	1/1	0.96	0.08	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1B	224	1/1	0.96	0.08	54,54,54,54	0
55	MG	1A	3931	1/1	0.96	0.05	53,53,53,53	0
55	MG	1A	3694	1/1	0.96	0.09	42,42,42,42	0
55	MG	1A	3794	1/1	0.96	0.07	22,22,22,22	0
55	MG	2A	3480	1/1	0.96	0.07	61,61,61,61	0
55	MG	1a	3188	1/1	0.96	0.06	57,57,57,57	0
55	MG	1A	3307	1/1	0.96	0.07	42,42,42,42	0
55	MG	1A	3697	1/1	0.96	0.13	44,44,44,44	0
55	MG	2A	3485	1/1	0.96	0.12	26,26,26,26	0
55	MG	1A	3799	1/1	0.96	0.08	72,72,72,72	0
55	MG	1a	3042	1/1	0.96	0.15	54,54,54,54	0
55	MG	1A	3308	1/1	0.96	0.04	41,41,41,41	0
55	MG	1D	306	1/1	0.96	0.10	32,32,32,32	0
55	MG	1D	309	1/1	0.96	0.24	28,28,28,28	0
55	MG	2E	303	1/1	0.96	0.08	52,52,52,52	0
55	MG	1A	3610	1/1	0.96	0.19	32,32,32,32	0
55	MG	1A	3067	1/1	0.96	0.09	34,34,34,34	0
55	MG	1a	3048	1/1	0.96	0.15	47,47,47,47	0
55	MG	2A	3500	1/1	0.96	0.08	45,45,45,45	0
55	MG	2A	3257	1/1	0.96	0.17	49,49,49,49	0
55	MG	2A	3258	1/1	0.96	0.16	41,41,41,41	0
55	MG	2A	3072	1/1	0.96	0.22	39,39,39,39	0
55	MG	2A	3073	1/1	0.96	0.11	44,44,44,44	0
55	MG	1A	3803	1/1	0.96	0.06	42,42,42,42	0
55	MG	1A	3612	1/1	0.96	0.18	34,34,34,34	0
55	MG	1A	3153	1/1	0.96	0.09	42,42,42,42	0
55	MG	2A	3078	1/1	0.96	0.11	47,47,47,47	0
55	MG	1A	3542	1/1	0.96	0.10	24,24,24,24	0
55	MG	1A	3220	1/1	0.96	0.09	26,26,26,26	0
55	MG	1A	3381	1/1	0.96	0.13	41,41,41,41	0
55	MG	1A	3546	1/1	0.96	0.11	43,43,43,43	0
55	MG	2A	3084	1/1	0.96	0.09	50,50,50,50	0
55	MG	2A	3273	1/1	0.96	0.24	39,39,39,39	0
55	MG	1E	304	1/1	0.96	0.11	19,19,19,19	0
55	MG	2A	3275	1/1	0.96	0.06	61,61,61,61	0
55	MG	2A	3517	1/1	0.96	0.10	48,48,48,48	0
55	MG	1E	306	1/1	0.96	0.10	16,16,16,16	0
55	MG	1A	3547	1/1	0.96	0.07	26,26,26,26	0
55	MG	1E	308	1/1	0.96	0.05	28,28,28,28	0
55	MG	2A	3521	1/1	0.96	0.09	30,30,30,30	0
55	MG	2A	3089	1/1	0.96	0.09	37,37,37,37	0
55	MG	1A	3711	1/1	0.96	0.08	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3057	1/1	0.96	0.12	19,19,19,19	0
55	MG	2A	3284	1/1	0.96	0.06	44,44,44,44	0
55	MG	1F	312	1/1	0.96	0.09	30,30,30,30	0
55	MG	1F	313	1/1	0.96	0.10	27,27,27,27	0
55	MG	1a	3220	1/1	0.96	0.11	48,48,48,48	0
55	MG	1A	3125	1/1	0.96	0.18	40,40,40,40	0
55	MG	1A	3388	1/1	0.96	0.05	21,21,21,21	0
55	MG	1F	317	1/1	0.96	0.18	48,48,48,48	0
55	MG	1F	318	1/1	0.96	0.18	39,39,39,39	0
55	MG	1A	3070	1/1	0.96	0.17	30,30,30,30	0
55	MG	2A	3297	1/1	0.96	0.06	34,34,34,34	0
55	MG	1a	3227	1/1	0.96	0.06	71,71,71,71	0
55	MG	1A	3159	1/1	0.96	0.06	32,32,32,32	0
55	MG	2A	3102	1/1	0.96	0.15	43,43,43,43	0
55	MG	1a	3229	1/1	0.96	0.09	53,53,53,53	0
55	MG	2A	3539	1/1	0.96	0.06	43,43,43,43	0
55	MG	1A	3718	1/1	0.96	0.11	43,43,43,43	0
55	MG	1A	3963	1/1	0.96	0.05	46,46,46,46	0
55	MG	1A	3396	1/1	0.96	0.06	34,34,34,34	0
55	MG	2A	3544	1/1	0.96	0.05	29,29,29,29	0
55	MG	1A	3821	1/1	0.96	0.09	36,36,36,36	0
55	MG	1A	3106	1/1	0.96	0.12	35,35,35,35	0
55	MG	2A	3111	1/1	0.96	0.11	65,65,65,65	0
55	MG	1A	3400	1/1	0.96	0.06	15,15,15,15	0
55	MG	2A	3551	1/1	0.96	0.07	47,47,47,47	0
55	MG	1A	3636	1/1	0.96	0.12	46,46,46,46	0
55	MG	1A	3472	1/1	0.96	0.09	49,49,49,49	0
55	MG	1A	3828	1/1	0.96	0.17	26,26,26,26	0
55	MG	1A	3972	1/1	0.96	0.18	43,43,43,43	0
55	MG	2A	3119	1/1	0.96	0.07	36,36,36,36	0
55	MG	2A	3558	1/1	0.96	0.07	56,56,56,56	0
55	MG	2A	3319	1/1	0.96	0.07	25,25,25,25	0
55	MG	1P	203	1/1	0.96	0.12	27,27,27,27	0
55	MG	1A	3560	1/1	0.96	0.14	52,52,52,52	0
55	MG	1A	3830	1/1	0.96	0.07	10,10,10,10	0
55	MG	1A	3071	1/1	0.96	0.06	30,30,30,30	0
55	MG	1R	201	1/1	0.96	0.18	34,34,34,34	0
55	MG	2A	3333	1/1	0.96	0.08	40,40,40,40	0
55	MG	2A	3125	1/1	0.96	0.06	39,39,39,39	0
55	MG	2A	3336	1/1	0.96	0.16	48,48,48,48	0
55	MG	1A	3320	1/1	0.96	0.19	31,31,31,31	0
55	MG	2A	3573	1/1	0.96	0.07	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	3042	1/1	0.96	0.26	55,55,55,55	0
55	MG	1A	3229	1/1	0.96	0.29	34,34,34,34	0
55	MG	1A	3642	1/1	0.96	0.11	41,41,41,41	0
55	MG	2A	3577	1/1	0.96	0.07	28,28,28,28	0
55	MG	1A	3485	1/1	0.96	0.07	26,26,26,26	0
55	MG	1A	3838	1/1	0.96	0.06	42,42,42,42	0
55	MG	2A	3134	1/1	0.96	0.19	44,44,44,44	0
55	MG	1A	3410	1/1	0.96	0.06	34,34,34,34	0
55	MG	1A	3087	1/1	0.96	0.08	37,37,37,37	0
55	MG	1A	3276	1/1	0.96	0.12	41,41,41,41	0
55	MG	1a	3096	1/1	0.96	0.12	50,50,50,50	0
55	MG	1T	205	1/1	0.96	0.09	43,43,43,43	0
55	MG	1A	3088	1/1	0.96	0.10	35,35,35,35	0
55	MG	1U	202	1/1	0.96	0.23	31,31,31,31	0
55	MG	2A	3595	1/1	0.96	0.07	29,29,29,29	0
55	MG	2A	3356	1/1	0.96	0.21	45,45,45,45	0
55	MG	1U	205	1/1	0.96	0.36	32,32,32,32	0
55	MG	2A	3602	1/1	0.96	0.07	55,55,55,55	0
55	MG	1U	207	1/1	0.96	0.09	34,34,34,34	0
55	MG	1A	3328	1/1	0.96	0.07	26,26,26,26	0
55	MG	1V	202	1/1	0.96	0.18	24,24,24,24	0
55	MG	1A	3847	1/1	0.96	0.23	46,46,46,46	0
55	MG	1V	205	1/1	0.96	0.07	45,45,45,45	0
55	MG	1a	3110	1/1	0.96	0.07	34,34,34,34	0
55	MG	1A	3233	1/1	0.96	0.13	25,25,25,25	0
55	MG	2A	3620	1/1	0.96	0.07	21,21,21,21	0
55	MG	1A	3850	1/1	0.96	0.13	38,38,38,38	0
55	MG	1A	3496	1/1	0.96	0.10	49,49,49,49	0
55	MG	1a	3114	1/1	0.96	0.17	52,52,52,52	0
55	MG	1W	202	1/1	0.96	0.17	47,47,47,47	0
55	MG	2A	3374	1/1	0.96	0.07	40,40,40,40	0
55	MG	2A	3156	1/1	0.96	0.10	38,38,38,38	0
55	MG	1A	3744	1/1	0.96	0.06	17,17,17,17	0
55	MG	2a	3075	1/1	0.96	0.21	39,39,39,39	0
55	MG	2A	3377	1/1	0.96	0.14	51,51,51,51	0
55	MG	1A	3333	1/1	0.96	0.05	26,26,26,26	0
55	MG	2a	3079	1/1	0.96	0.16	57,57,57,57	0
55	MG	2A	3159	1/1	0.96	0.20	51,51,51,51	0
55	MG	1A	3334	1/1	0.96	0.07	10,10,10,10	0
55	MG	1A	3132	1/1	0.96	0.37	38,38,38,38	0
55	MG	1A	3016	1/1	0.96	0.31	33,33,33,33	0
55	MG	1A	3658	1/1	0.96	0.20	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3659	1/1	0.96	0.07	29,29,29,29	0
55	MG	1A	3581	1/1	0.96	0.10	29,29,29,29	0
55	MG	2A	3169	1/1	0.96	0.28	44,44,44,44	0
55	MG	1A	3137	1/1	0.96	0.24	32,32,32,32	0
55	MG	1a	3130	1/1	0.96	0.07	42,42,42,42	0
55	MG	1A	3864	1/1	0.96	0.09	40,40,40,40	0
55	MG	2a	3093	1/1	0.96	0.06	60,60,60,60	0
55	MG	2A	3641	1/1	0.96	0.09	68,68,68,68	0
55	MG	1A	3347	1/1	0.96	0.05	40,40,40,40	0
55	MG	2A	3644	1/1	0.96	0.10	68,68,68,68	0
55	MG	2A	3646	1/1	0.96	0.08	54,54,54,54	0
55	MG	2a	3099	1/1	0.96	0.13	60,60,60,60	0
55	MG	1A	3348	1/1	0.96	0.09	45,45,45,45	0
55	MG	2A	3649	1/1	0.96	0.14	57,57,57,57	0
55	MG	1A	3664	1/1	0.96	0.10	42,42,42,42	0
55	MG	15	101	1/1	0.96	0.12	35,35,35,35	0
55	MG	1A	3760	1/1	0.96	0.06	33,33,33,33	0
55	MG	15	104	1/1	0.96	0.20	28,28,28,28	0
55	MG	2A	3404	1/1	0.96	0.10	51,51,51,51	0
55	MG	2A	3405	1/1	0.96	0.08	27,27,27,27	0
55	MG	2A	3664	1/1	0.96	0.10	62,62,62,62	0
55	MG	1A	3091	1/1	0.96	0.14	28,28,28,28	0
55	MG	2A	3668	1/1	0.96	0.04	42,42,42,42	0
55	MG	2A	3669	1/1	0.96	0.06	47,47,47,47	0
55	MG	1A	3432	1/1	0.96	0.09	19,19,19,19	0
55	MG	15	108	1/1	0.96	0.12	60,60,60,60	0
55	MG	2A	3673	1/1	0.96	0.09	30,30,30,30	0
55	MG	1A	3170	1/1	0.96	0.28	34,34,34,34	0
55	MG	17	102	1/1	0.96	0.08	23,23,23,23	0
55	MG	1A	3875	1/1	0.96	0.05	35,35,35,35	0
55	MG	1a	3145	1/1	0.96	0.07	56,56,56,56	0
55	MG	1A	3205	1/1	0.96	0.32	36,36,36,36	0
55	MG	2A	3686	1/1	0.96	0.08	51,51,51,51	0
55	MG	1A	3206	1/1	0.96	0.14	46,46,46,46	0
55	MG	1y	201	1/1	0.96	0.07	58,58,58,58	0
55	MG	18	101	1/1	0.96	0.23	36,36,36,36	0
55	MG	1A	3031	1/1	0.96	0.17	47,47,47,47	0
55	MG	1A	3674	1/1	0.96	0.06	34,34,34,34	0
55	MG	1A	3593	1/1	0.96	0.10	54,54,54,54	0
55	MG	1A	3889	1/1	0.96	0.08	75,75,75,75	0
55	MG	2A	3003	1/1	0.96	0.07	48,48,48,48	0
55	MG	1A	3771	1/1	0.96	0.05	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3518	1/1	0.96	0.08	42,42,42,42	0
55	MG	2A	3009	1/1	0.96	0.09	40,40,40,40	0
55	MG	2a	3140	1/1	0.96	0.08	66,66,66,66	0
55	MG	1A	4022	1/1	0.96	0.06	56,56,56,56	0
55	MG	2a	3142	1/1	0.96	0.11	58,58,58,58	0
55	MG	2A	3011	1/1	0.96	0.10	36,36,36,36	0
55	MG	1A	3358	1/1	0.96	0.09	44,44,44,44	0
55	MG	2a	3145	1/1	0.96	0.07	57,57,57,57	0
55	MG	2A	3432	1/1	0.96	0.10	54,54,54,54	0
55	MG	2A	3013	1/1	0.96	0.10	17,17,17,17	0
55	MG	1A	3142	1/1	0.96	0.06	31,31,31,31	0
55	MG	1A	3776	1/1	0.96	0.05	38,38,38,38	0
55	MG	2A	3018	1/1	0.96	0.19	41,41,41,41	0
55	MG	2A	3208	1/1	0.96	0.09	45,45,45,45	0
55	MG	2A	3438	1/1	0.96	0.06	47,47,47,47	0
55	MG	2A	3019	1/1	0.96	0.30	43,43,43,43	0
55	MG	1A	3174	1/1	0.96	0.18	35,35,35,35	0
55	MG	1A	3144	1/1	0.96	0.06	32,32,32,32	0
55	MG	1a	3012	1/1	0.96	0.08	17,17,17,17	0
55	MG	2a	3164	1/1	0.96	0.07	53,53,53,53	0
55	MG	2A	3213	1/1	0.96	0.10	51,51,51,51	0
55	MG	2A	3214	1/1	0.96	0.17	29,29,29,29	0
55	MG	1A	3525	1/1	0.96	0.06	35,35,35,35	0
55	MG	1a	3014	1/1	0.96	0.09	56,56,56,56	0
55	MG	1A	3898	1/1	0.96	0.10	43,43,43,43	0
55	MG	2A	3449	1/1	0.96	0.07	52,52,52,52	0
55	MG	1B	204	1/1	0.96	0.09	38,38,38,38	0
55	MG	2A	3451	1/1	0.96	0.08	54,54,54,54	0
55	MG	1B	205	1/1	0.96	0.21	34,34,34,34	0
55	MG	2A	3733	1/1	0.96	0.07	28,28,28,28	0
55	MG	2A	3734	1/1	0.96	0.12	45,45,45,45	0
55	MG	2a	3178	1/1	0.96	0.06	64,64,64,64	0
55	MG	2A	3735	1/1	0.96	0.09	34,34,34,34	0
55	MG	2A	3453	1/1	0.96	0.12	47,47,47,47	0
55	MG	2A	3454	1/1	0.96	0.06	46,46,46,46	0
55	MG	2A	3033	1/1	0.96	0.09	48,48,48,48	0
55	MG	2A	3034	1/1	0.96	0.16	36,36,36,36	0
55	MG	1A	3212	1/1	0.96	0.26	36,36,36,36	0
55	MG	1A	3529	1/1	0.96	0.14	51,51,51,51	0
55	MG	1A	3076	1/1	0.96	0.24	25,25,25,25	0
55	MG	1A	3784	1/1	0.96	0.20	38,38,38,38	0
55	MG	2B	201	1/1	0.96	0.07	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3117	1/1	0.96	0.10	47,47,47,47	0
55	MG	1A	3689	1/1	0.96	0.06	48,48,48,48	0
55	MG	1A	3788	1/1	0.96	0.10	34,34,34,34	0
55	MG	1a	3174	1/1	0.96	0.09	59,59,59,59	0
55	MG	1B	213	1/1	0.96	0.05	49,49,49,49	0
55	MG	1A	3789	1/1	0.96	0.10	40,40,40,40	0
55	MG	2r	101	1/1	0.96	0.09	63,63,63,63	0
55	MG	1A	3923	1/1	0.96	0.17	34,34,34,34	0
55	MG	1A	3303	1/1	0.96	0.07	41,41,41,41	0
56	ARG	1B	232	12/12	0.96	0.09	28,40,45,47	0
55	MG	1A	3079	1/1	0.96	0.18	34,34,34,34	0
55	MG	2B	211	1/1	0.96	0.18	61,61,61,61	0
55	MG	2B	212	1/1	0.96	0.07	42,42,42,42	0
55	MG	1A	3927	1/1	0.96	0.12	31,31,31,31	0
55	MG	2A	3473	1/1	0.96	0.07	57,57,57,57	0
58	ZN	2n	102	1/1	0.96	0.05	97,97,97,97	0
55	MG	1A	3433	1/1	0.97	0.05	27,27,27,27	0
55	MG	1A	3100	1/1	0.97	0.19	31,31,31,31	0
55	MG	1A	3192	1/1	0.97	0.16	35,35,35,35	0
55	MG	1A	3140	1/1	0.97	0.05	31,31,31,31	0
55	MG	1A	3827	1/1	0.97	0.22	42,42,42,42	0
55	MG	1A	3326	1/1	0.97	0.08	23,23,23,23	0
55	MG	1A	3052	1/1	0.97	0.16	24,24,24,24	0
55	MG	1A	3439	1/1	0.97	0.04	10,10,10,10	0
55	MG	19	101	1/1	0.97	0.27	40,40,40,40	0
55	MG	2A	3486	1/1	0.97	0.06	33,33,33,33	0
55	MG	2B	220	1/1	0.97	0.07	51,51,51,51	0
55	MG	2A	3053	1/1	0.97	0.05	32,32,32,32	0
55	MG	2A	3249	1/1	0.97	0.21	46,46,46,46	0
55	MG	1A	3103	1/1	0.97	0.20	27,27,27,27	0
55	MG	2A	3491	1/1	0.97	0.06	48,48,48,48	0
55	MG	1A	3053	1/1	0.97	0.28	27,27,27,27	0
55	MG	1A	3834	1/1	0.97	0.07	47,47,47,47	0
55	MG	1A	3026	1/1	0.97	0.28	26,26,26,26	0
55	MG	2A	3255	1/1	0.97	0.16	40,40,40,40	0
55	MG	1A	3696	1/1	0.97	0.05	48,48,48,48	0
55	MG	2A	3499	1/1	0.97	0.06	28,28,28,28	0
55	MG	1A	3571	1/1	0.97	0.07	39,39,39,39	0
55	MG	1A	4010	1/1	0.97	0.07	13,13,13,13	0
55	MG	1A	3199	1/1	0.97	0.13	40,40,40,40	0
55	MG	1A	3336	1/1	0.97	0.05	26,26,26,26	0
55	MG	1A	3149	1/1	0.97	0.15	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3339	1/1	0.97	0.07	31,31,31,31	0
55	MG	1A	3340	1/1	0.97	0.04	28,28,28,28	0
55	MG	1a	3183	1/1	0.97	0.08	42,42,42,42	0
55	MG	2A	3068	1/1	0.97	0.06	42,42,42,42	0
55	MG	1A	3075	1/1	0.97	0.30	36,36,36,36	0
55	MG	1A	3704	1/1	0.97	0.12	34,34,34,34	0
55	MG	2A	3269	1/1	0.97	0.05	19,19,19,19	0
55	MG	1A	3706	1/1	0.97	0.17	34,34,34,34	0
55	MG	1A	3578	1/1	0.97	0.10	19,19,19,19	0
55	MG	1A	3028	1/1	0.97	0.10	35,35,35,35	0
55	MG	1A	3580	1/1	0.97	0.12	24,24,24,24	0
55	MG	2Q	203	1/1	0.97	0.06	57,57,57,57	0
55	MG	1A	3453	1/1	0.97	0.11	56,56,56,56	0
55	MG	2R	3301	1/1	0.97	0.13	43,43,43,43	0
55	MG	1A	3077	1/1	0.97	0.15	28,28,28,28	0
55	MG	1A	3078	1/1	0.97	0.09	34,34,34,34	0
55	MG	2A	3278	1/1	0.97	0.05	33,33,33,33	0
55	MG	1a	3194	1/1	0.97	0.07	52,52,52,52	0
55	MG	1A	3268	1/1	0.97	0.21	28,28,28,28	0
55	MG	1A	3029	1/1	0.97	0.05	26,26,26,26	0
55	MG	1A	3352	1/1	0.97	0.05	27,27,27,27	0
55	MG	1A	3113	1/1	0.97	0.07	26,26,26,26	0
55	MG	2W	201	1/1	0.97	0.22	38,38,38,38	0
55	MG	2W	202	1/1	0.97	0.20	44,44,44,44	0
55	MG	1A	3861	1/1	0.97	0.13	12,12,12,12	0
55	MG	1a	3200	1/1	0.97	0.08	64,64,64,64	0
55	MG	2A	3288	1/1	0.97	0.06	31,31,31,31	0
55	MG	1A	3114	1/1	0.97	0.14	28,28,28,28	0
55	MG	1a	3203	1/1	0.97	0.07	71,71,71,71	0
55	MG	1A	3590	1/1	0.97	0.07	46,46,46,46	0
55	MG	1A	3042	1/1	0.97	0.11	11,11,11,11	0
55	MG	1A	3463	1/1	0.97	0.07	44,44,44,44	0
55	MG	1A	3013	1/1	0.97	0.07	20,20,20,20	0
55	MG	1A	3723	1/1	0.97	0.06	30,30,30,30	0
55	MG	2a	3001	1/1	0.97	0.07	44,44,44,44	0
55	MG	2A	3298	1/1	0.97	0.06	28,28,28,28	0
55	MG	1A	3724	1/1	0.97	0.06	20,20,20,20	0
55	MG	2A	3300	1/1	0.97	0.08	25,25,25,25	0
55	MG	1A	3003	1/1	0.97	0.07	19,19,19,19	0
55	MG	1A	3726	1/1	0.97	0.07	23,23,23,23	0
55	MG	1A	3118	1/1	0.97	0.21	29,29,29,29	0
55	MG	1A	3119	1/1	0.97	0.19	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3879	1/1	0.97	0.07	46,46,46,46	0
55	MG	2A	3543	1/1	0.97	0.06	31,31,31,31	0
55	MG	2A	3307	1/1	0.97	0.06	20,20,20,20	0
55	MG	1A	3597	1/1	0.97	0.06	46,46,46,46	0
55	MG	1A	3362	1/1	0.97	0.06	8,8,8,8	0
55	MG	1a	3217	1/1	0.97	0.10	58,58,58,58	0
55	MG	1A	3884	1/1	0.97	0.07	28,28,28,28	0
55	MG	1A	3885	1/1	0.97	0.08	19,19,19,19	0
55	MG	1A	3120	1/1	0.97	0.07	18,18,18,18	0
55	MG	2a	3018	1/1	0.97	0.10	36,36,36,36	0
55	MG	1A	3364	1/1	0.97	0.05	15,15,15,15	0
55	MG	1A	3477	1/1	0.97	0.07	18,18,18,18	0
55	MG	2A	3109	1/1	0.97	0.12	40,40,40,40	0
55	MG	2A	3110	1/1	0.97	0.06	17,17,17,17	0
55	MG	1A	3478	1/1	0.97	0.07	25,25,25,25	0
55	MG	1a	3224	1/1	0.97	0.06	70,70,70,70	0
55	MG	2A	3322	1/1	0.97	0.06	31,31,31,31	0
55	MG	2A	3113	1/1	0.97	0.11	46,46,46,46	0
55	MG	1A	3479	1/1	0.97	0.05	20,20,20,20	0
55	MG	2A	3325	1/1	0.97	0.07	31,31,31,31	0
55	MG	2A	3328	1/1	0.97	0.04	27,27,27,27	0
55	MG	1B	231	1/1	0.97	0.05	46,46,46,46	0
55	MG	1A	3480	1/1	0.97	0.07	18,18,18,18	0
55	MG	2A	3332	1/1	0.97	0.06	35,35,35,35	0
55	MG	2A	3117	1/1	0.97	0.24	48,48,48,48	0
55	MG	1A	3481	1/1	0.97	0.07	22,22,22,22	0
55	MG	1D	304	1/1	0.97	0.18	31,31,31,31	0
55	MG	1a	3054	1/1	0.97	0.14	46,46,46,46	0
55	MG	1D	305	1/1	0.97	0.12	36,36,36,36	0
55	MG	2A	3578	1/1	0.97	0.07	36,36,36,36	0
55	MG	1A	3365	1/1	0.97	0.06	9,9,9,9	0
55	MG	1D	308	1/1	0.97	0.06	40,40,40,40	0
55	MG	2A	3582	1/1	0.97	0.08	57,57,57,57	0
55	MG	1A	3484	1/1	0.97	0.09	21,21,21,21	0
55	MG	2A	3345	1/1	0.97	0.10	37,37,37,37	0
55	MG	2A	3586	1/1	0.97	0.04	37,37,37,37	0
55	MG	1A	3215	1/1	0.97	0.27	27,27,27,27	0
55	MG	1a	3236	1/1	0.97	0.06	53,53,53,53	0
55	MG	2A	3589	1/1	0.97	0.07	46,46,46,46	0
55	MG	2A	3127	1/1	0.97	0.06	34,34,34,34	0
55	MG	1A	3166	1/1	0.97	0.06	28,28,28,28	0
55	MG	2A	3592	1/1	0.97	0.05	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3368	1/1	0.97	0.05	26,26,26,26	0
55	MG	2A	3131	1/1	0.97	0.26	41,41,41,41	0
55	MG	1A	3488	1/1	0.97	0.07	16,16,16,16	0
55	MG	1A	3903	1/1	0.97	0.04	48,48,48,48	0
55	MG	2A	3597	1/1	0.97	0.06	51,51,51,51	0
55	MG	2A	3599	1/1	0.97	0.07	46,46,46,46	0
55	MG	1A	3905	1/1	0.97	0.04	32,32,32,32	0
55	MG	1A	3748	1/1	0.97	0.12	39,39,39,39	0
55	MG	1A	3369	1/1	0.97	0.07	31,31,31,31	0
55	MG	1A	3491	1/1	0.97	0.05	55,55,55,55	0
55	MG	2A	3607	1/1	0.97	0.06	29,29,29,29	0
55	MG	2A	3364	1/1	0.97	0.07	52,52,52,52	0
55	MG	1a	3250	1/1	0.97	0.05	55,55,55,55	0
55	MG	2A	3611	1/1	0.97	0.06	51,51,51,51	0
55	MG	1E	301	1/1	0.97	0.10	26,26,26,26	0
55	MG	2A	3614	1/1	0.97	0.06	29,29,29,29	0
55	MG	1A	3614	1/1	0.97	0.09	31,31,31,31	0
55	MG	2A	3616	1/1	0.97	0.07	64,64,64,64	0
55	MG	1A	3752	1/1	0.97	0.07	45,45,45,45	0
55	MG	1A	3912	1/1	0.97	0.09	17,17,17,17	0
55	MG	1A	3913	1/1	0.97	0.06	31,31,31,31	0
55	MG	1A	3284	1/1	0.97	0.19	47,47,47,47	0
55	MG	1F	302	1/1	0.97	0.24	26,26,26,26	0
55	MG	1F	304	1/1	0.97	0.21	28,28,28,28	0
55	MG	1F	306	1/1	0.97	0.18	33,33,33,33	0
55	MG	1F	308	1/1	0.97	0.09	32,32,32,32	0
55	MG	1F	309	1/1	0.97	0.20	25,25,25,25	0
55	MG	1A	3372	1/1	0.97	0.08	50,50,50,50	0
55	MG	2a	3082	1/1	0.97	0.31	57,57,57,57	0
55	MG	2a	3083	1/1	0.97	0.33	50,50,50,50	0
55	MG	2A	3378	1/1	0.97	0.04	60,60,60,60	0
55	MG	1A	3919	1/1	0.97	0.09	20,20,20,20	0
55	MG	2A	3380	1/1	0.97	0.06	23,23,23,23	0
55	MG	1A	3921	1/1	0.97	0.04	13,13,13,13	0
55	MG	2A	3154	1/1	0.97	0.08	36,36,36,36	0
55	MG	1F	314	1/1	0.97	0.23	33,33,33,33	0
55	MG	1a	3083	1/1	0.97	0.05	46,46,46,46	0
55	MG	1A	3286	1/1	0.97	0.16	31,31,31,31	0
55	MG	1A	3374	1/1	0.97	0.07	25,25,25,25	0
55	MG	1A	3287	1/1	0.97	0.19	25,25,25,25	0
55	MG	1A	3121	1/1	0.97	0.07	32,32,32,32	0
55	MG	2A	3161	1/1	0.97	0.07	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3501	1/1	0.97	0.09	46,46,46,46	0
55	MG	1A	3763	1/1	0.97	0.06	37,37,37,37	0
55	MG	1A	3046	1/1	0.97	0.07	22,22,22,22	0
55	MG	1A	3627	1/1	0.97	0.14	47,47,47,47	0
55	MG	2a	3101	1/1	0.97	0.05	42,42,42,42	0
55	MG	2A	3647	1/1	0.97	0.07	56,56,56,56	0
55	MG	1A	3628	1/1	0.97	0.10	16,16,16,16	0
55	MG	2A	3399	1/1	0.97	0.15	48,48,48,48	0
55	MG	1A	3219	1/1	0.97	0.17	22,22,22,22	0
55	MG	1A	3062	1/1	0.97	0.09	37,37,37,37	0
55	MG	1A	3015	1/1	0.97	0.15	34,34,34,34	0
55	MG	1A	3382	1/1	0.97	0.10	44,44,44,44	0
55	MG	2A	3660	1/1	0.97	0.04	47,47,47,47	0
55	MG	1A	3012	1/1	0.97	0.26	43,43,43,43	0
55	MG	1A	3635	1/1	0.97	0.07	41,41,41,41	0
55	MG	2A	3407	1/1	0.97	0.08	36,36,36,36	0
55	MG	1A	3384	1/1	0.97	0.06	34,34,34,34	0
55	MG	2A	3666	1/1	0.97	0.06	45,45,45,45	0
55	MG	2A	3409	1/1	0.97	0.05	35,35,35,35	0
55	MG	2a	3116	1/1	0.97	0.07	61,61,61,61	0
55	MG	2A	3176	1/1	0.97	0.12	45,45,45,45	0
55	MG	2A	3177	1/1	0.97	0.16	34,34,34,34	0
55	MG	2a	3119	1/1	0.97	0.10	63,63,63,63	0
55	MG	2a	3120	1/1	0.97	0.17	58,58,58,58	0
55	MG	1P	201	1/1	0.97	0.35	32,32,32,32	0
55	MG	1P	202	1/1	0.97	0.15	28,28,28,28	0
55	MG	1A	3774	1/1	0.97	0.06	18,18,18,18	0
55	MG	2A	3675	1/1	0.97	0.07	30,30,30,30	0
55	MG	2A	3676	1/1	0.97	0.06	17,17,17,17	0
55	MG	1P	204	1/1	0.97	0.06	41,41,41,41	0
55	MG	1A	3385	1/1	0.97	0.05	23,23,23,23	0
55	MG	1A	3386	1/1	0.97	0.06	24,24,24,24	0
55	MG	1Q	203	1/1	0.97	0.13	37,37,37,37	0
55	MG	1A	3223	1/1	0.97	0.10	23,23,23,23	0
55	MG	2A	3689	1/1	0.97	0.04	34,34,34,34	0
55	MG	1Q	205	1/1	0.97	0.07	35,35,35,35	0
55	MG	1A	3297	1/1	0.97	0.10	9,9,9,9	0
55	MG	2A	3692	1/1	0.97	0.05	48,48,48,48	0
55	MG	2a	3136	1/1	0.97	0.05	54,54,54,54	0
55	MG	2a	3138	1/1	0.97	0.13	54,54,54,54	0
55	MG	1A	3090	1/1	0.97	0.07	43,43,43,43	0
55	MG	1A	3780	1/1	0.97	0.10	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3390	1/1	0.97	0.05	30,30,30,30	0
55	MG	1a	3118	1/1	0.97	0.07	32,32,32,32	0
55	MG	1R	205	1/1	0.97	0.08	28,28,28,28	0
55	MG	1A	3299	1/1	0.97	0.19	31,31,31,31	0
55	MG	1a	3122	1/1	0.97	0.10	60,60,60,60	0
55	MG	2a	3146	1/1	0.97	0.08	61,61,61,61	0
55	MG	2A	3701	1/1	0.97	0.06	33,33,33,33	0
55	MG	2a	3149	1/1	0.97	0.07	57,57,57,57	0
55	MG	1A	3393	1/1	0.97	0.06	17,17,17,17	0
55	MG	1A	3394	1/1	0.97	0.08	17,17,17,17	0
55	MG	1A	3646	1/1	0.97	0.12	49,49,49,49	0
55	MG	1A	3523	1/1	0.97	0.07	13,13,13,13	0
55	MG	2a	3154	1/1	0.97	0.06	51,51,51,51	0
55	MG	1A	3173	1/1	0.97	0.07	35,35,35,35	0
55	MG	1A	3527	1/1	0.97	0.35	31,31,31,31	0
55	MG	2A	3709	1/1	0.97	0.06	34,34,34,34	0
55	MG	1A	3650	1/1	0.97	0.14	34,34,34,34	0
55	MG	1U	204	1/1	0.97	0.08	48,48,48,48	0
55	MG	1A	3066	1/1	0.97	0.12	25,25,25,25	0
55	MG	1A	3049	1/1	0.97	0.12	32,32,32,32	0
55	MG	1A	3401	1/1	0.97	0.08	21,21,21,21	0
55	MG	2A	3008	1/1	0.97	0.17	35,35,35,35	0
55	MG	2A	3716	1/1	0.97	0.04	51,51,51,51	0
55	MG	2A	3443	1/1	0.97	0.06	36,36,36,36	0
55	MG	1A	3228	1/1	0.97	0.05	31,31,31,31	0
55	MG	1A	3094	1/1	0.97	0.12	26,26,26,26	0
55	MG	1A	3407	1/1	0.97	0.08	20,20,20,20	0
55	MG	1A	3178	1/1	0.97	0.16	30,30,30,30	0
55	MG	1A	3409	1/1	0.97	0.07	18,18,18,18	0
55	MG	2A	3724	1/1	0.97	0.08	52,52,52,52	0
55	MG	2A	3014	1/1	0.97	0.11	39,39,39,39	0
55	MG	2A	3726	1/1	0.97	0.07	67,67,67,67	0
55	MG	1A	3035	1/1	0.97	0.08	28,28,28,28	0
55	MG	1A	3180	1/1	0.97	0.30	39,39,39,39	0
55	MG	1A	3182	1/1	0.97	0.14	25,25,25,25	0
55	MG	2a	3186	1/1	0.97	0.08	61,61,61,61	0
55	MG	1A	3541	1/1	0.97	0.05	17,17,17,17	0
55	MG	2A	3020	1/1	0.97	0.14	38,38,38,38	0
55	MG	2A	3021	1/1	0.97	0.06	37,37,37,37	0
55	MG	1A	3069	1/1	0.97	0.27	37,37,37,37	0
55	MG	1A	3133	1/1	0.97	0.16	25,25,25,25	0
55	MG	1A	3544	1/1	0.97	0.07	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3238	1/1	0.97	0.21	30,30,30,30	0
55	MG	1A	3185	1/1	0.97	0.21	29,29,29,29	0
55	MG	2A	3738	1/1	0.97	0.09	50,50,50,50	0
55	MG	1A	3186	1/1	0.97	0.18	38,38,38,38	0
55	MG	1A	3316	1/1	0.97	0.14	13,13,13,13	0
55	MG	2A	3031	1/1	0.97	0.10	18,18,18,18	0
55	MG	1A	3317	1/1	0.97	0.19	38,38,38,38	0
55	MG	1A	3134	1/1	0.97	0.26	32,32,32,32	0
55	MG	1A	3427	1/1	0.97	0.11	22,22,22,22	0
55	MG	1A	3098	1/1	0.97	0.17	29,29,29,29	0
55	MG	1A	3018	1/1	0.97	0.24	23,23,23,23	0
55	MG	15	102	1/1	0.97	0.26	30,30,30,30	0
55	MG	1A	3321	1/1	0.97	0.06	21,21,21,21	0
55	MG	2A	3472	1/1	0.97	0.08	53,53,53,53	0
55	MG	1A	3322	1/1	0.97	0.07	27,27,27,27	0
58	ZN	1n	102	1/1	0.97	0.05	77,77,77,77	0
55	MG	15	105	1/1	0.97	0.19	23,23,23,23	0
55	MG	1A	3558	1/1	0.97	0.08	40,40,40,40	0
55	MG	2A	3394	1/1	0.98	0.07	33,33,33,33	0
55	MG	2A	3395	1/1	0.98	0.07	32,32,32,32	0
55	MG	1A	3623	1/1	0.98	0.05	19,19,19,19	0
55	MG	1A	3954	1/1	0.98	0.08	55,55,55,55	0
55	MG	2A	3398	1/1	0.98	0.04	27,27,27,27	0
55	MG	1A	3624	1/1	0.98	0.07	22,22,22,22	0
55	MG	1A	3093	1/1	0.98	0.10	36,36,36,36	0
55	MG	2A	3401	1/1	0.98	0.09	28,28,28,28	0
55	MG	2A	3052	1/1	0.98	0.16	37,37,37,37	0
55	MG	1A	3236	1/1	0.98	0.21	27,27,27,27	0
55	MG	1a	3202	1/1	0.98	0.10	45,45,45,45	0
55	MG	1a	3053	1/1	0.98	0.05	38,38,38,38	0
55	MG	1A	3824	1/1	0.98	0.08	20,20,20,20	0
55	MG	2A	3601	1/1	0.98	0.08	54,54,54,54	0
55	MG	1A	3154	1/1	0.98	0.28	33,33,33,33	0
55	MG	1A	3208	1/1	0.98	0.17	33,33,33,33	0
55	MG	1A	3027	1/1	0.98	0.12	37,37,37,37	0
55	MG	1A	3282	1/1	0.98	0.27	40,40,40,40	0
55	MG	2A	3411	1/1	0.98	0.11	40,40,40,40	0
55	MG	2A	3609	1/1	0.98	0.04	39,39,39,39	0
55	MG	2A	3061	1/1	0.98	0.06	33,33,33,33	0
55	MG	1A	3631	1/1	0.98	0.06	18,18,18,18	0
55	MG	1A	3329	1/1	0.98	0.08	17,17,17,17	0
55	MG	2A	3613	1/1	0.98	0.03	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3728	1/1	0.98	0.04	71,71,71,71	0
55	MG	1A	3240	1/1	0.98	0.14	27,27,27,27	0
55	MG	1A	3332	1/1	0.98	0.04	18,18,18,18	0
55	MG	1A	3550	1/1	0.98	0.06	60,60,60,60	0
55	MG	2A	3619	1/1	0.98	0.05	46,46,46,46	0
55	MG	1A	3241	1/1	0.98	0.14	29,29,29,29	0
55	MG	2A	3069	1/1	0.98	0.17	44,44,44,44	0
55	MG	1A	3733	1/1	0.98	0.05	21,21,21,21	0
55	MG	1N	201	1/1	0.98	0.11	36,36,36,36	0
55	MG	1A	3181	1/1	0.98	0.16	27,27,27,27	0
55	MG	1A	3392	1/1	0.98	0.07	25,25,25,25	0
55	MG	1A	3736	1/1	0.98	0.08	30,30,30,30	0
55	MG	1A	3009	1/1	0.98	0.10	18,18,18,18	0
55	MG	1A	3555	1/1	0.98	0.08	43,43,43,43	0
55	MG	1A	3843	1/1	0.98	0.09	37,37,37,37	0
55	MG	2A	3079	1/1	0.98	0.08	50,50,50,50	0
55	MG	1A	3980	1/1	0.98	0.04	18,18,18,18	0
55	MG	1A	3845	1/1	0.98	0.06	34,34,34,34	0
55	MG	1A	3471	1/1	0.98	0.06	39,39,39,39	0
55	MG	1A	3157	1/1	0.98	0.11	34,34,34,34	0
55	MG	1A	3395	1/1	0.98	0.05	22,22,22,22	0
55	MG	1A	3338	1/1	0.98	0.09	24,24,24,24	0
55	MG	1A	3290	1/1	0.98	0.12	42,42,42,42	0
55	MG	1A	3245	1/1	0.98	0.27	33,33,33,33	0
55	MG	2a	3036	1/1	0.98	0.14	28,28,28,28	0
55	MG	1A	3341	1/1	0.98	0.07	22,22,22,22	0
55	MG	2A	3251	1/1	0.98	0.37	40,40,40,40	0
55	MG	1A	3402	1/1	0.98	0.04	16,16,16,16	0
55	MG	1A	3564	1/1	0.98	0.04	47,47,47,47	0
55	MG	2A	3643	1/1	0.98	0.05	58,58,58,58	0
55	MG	1A	3403	1/1	0.98	0.06	18,18,18,18	0
55	MG	2A	3645	1/1	0.98	0.05	63,63,63,63	0
55	MG	1A	3482	1/1	0.98	0.09	39,39,39,39	0
55	MG	1A	3404	1/1	0.98	0.04	19,19,19,19	0
55	MG	1A	3342	1/1	0.98	0.10	37,37,37,37	0
55	MG	1a	3239	1/1	0.98	0.08	55,55,55,55	0
55	MG	2A	3650	1/1	0.98	0.04	41,41,41,41	0
55	MG	2A	3651	1/1	0.98	0.05	65,65,65,65	0
55	MG	1A	3343	1/1	0.98	0.07	34,34,34,34	0
55	MG	2A	3653	1/1	0.98	0.05	47,47,47,47	0
55	MG	1A	3754	1/1	0.98	0.07	30,30,30,30	0
55	MG	1A	3863	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
55	MG	1A	3570	1/1	0.98	0.09	12,12,12,12	0
55	MG	1A	3656	1/1	0.98	0.04	39,39,39,39	0
55	MG	1U	203	1/1	0.98	0.24	29,29,29,29	0
55	MG	2A	3662	1/1	0.98	0.10	47,47,47,47	0
55	MG	1A	3246	1/1	0.98	0.21	33,33,33,33	0
55	MG	2A	3266	1/1	0.98	0.11	35,35,35,35	0
55	MG	1A	3867	1/1	0.98	0.05	44,44,44,44	0
55	MG	1U	206	1/1	0.98	0.24	29,29,29,29	0
55	MG	2A	3667	1/1	0.98	0.08	47,47,47,47	0
55	MG	1A	3868	1/1	0.98	0.08	37,37,37,37	0
55	MG	2A	3459	1/1	0.98	0.07	23,23,23,23	0
55	MG	2A	3270	1/1	0.98	0.14	32,32,32,32	0
55	MG	2A	3671	1/1	0.98	0.07	32,32,32,32	0
55	MG	1A	3005	1/1	0.98	0.09	20,20,20,20	0
55	MG	1A	3759	1/1	0.98	0.09	31,31,31,31	0
55	MG	1V	203	1/1	0.98	0.17	28,28,28,28	0
55	MG	1A	3346	1/1	0.98	0.07	24,24,24,24	0
55	MG	1A	3081	1/1	0.98	0.12	36,36,36,36	0
55	MG	2A	3677	1/1	0.98	0.04	60,60,60,60	0
55	MG	1A	3250	1/1	0.98	0.05	35,35,35,35	0
55	MG	2A	3679	1/1	0.98	0.05	66,66,66,66	0
55	MG	1a	3105	1/1	0.98	0.13	52,52,52,52	0
55	MG	2a	3076	1/1	0.98	0.11	46,46,46,46	0
55	MG	1a	3107	1/1	0.98	0.10	33,33,33,33	0
55	MG	1A	3412	1/1	0.98	0.04	22,22,22,22	0
55	MG	1a	3109	1/1	0.98	0.06	39,39,39,39	0
55	MG	2A	3688	1/1	0.98	0.07	32,32,32,32	0
55	MG	1A	3876	1/1	0.98	0.04	32,32,32,32	0
55	MG	1A	3296	1/1	0.98	0.05	18,18,18,18	0
55	MG	1a	3267	1/1	0.98	0.06	64,64,64,64	0
55	MG	1A	3878	1/1	0.98	0.04	19,19,19,19	0
55	MG	1Y	201	1/1	0.98	0.09	59,59,59,59	0
55	MG	1A	3350	1/1	0.98	0.04	29,29,29,29	0
55	MG	10	101	1/1	0.98	0.08	40,40,40,40	0
55	MG	2A	3696	1/1	0.98	0.08	31,31,31,31	0
55	MG	1a	3116	1/1	0.98	0.09	59,59,59,59	0
55	MG	1A	3251	1/1	0.98	0.15	38,38,38,38	0
55	MG	10	103	1/1	0.98	0.07	37,37,37,37	0
55	MG	1A	3666	1/1	0.98	0.04	52,52,52,52	0
55	MG	1A	4016	1/1	0.98	0.05	45,45,45,45	0
55	MG	1A	3135	1/1	0.98	0.06	46,46,46,46	0
55	MG	2a	3095	1/1	0.98	0.09	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3353	1/1	0.98	0.04	21,21,21,21	0
55	MG	2A	3130	1/1	0.98	0.15	35,35,35,35	0
55	MG	1A	3582	1/1	0.98	0.10	40,40,40,40	0
55	MG	2A	3301	1/1	0.98	0.05	36,36,36,36	0
55	MG	1A	3420	1/1	0.98	0.03	24,24,24,24	0
55	MG	2A	3708	1/1	0.98	0.04	38,38,38,38	0
55	MG	1A	3030	1/1	0.98	0.07	14,14,14,14	0
55	MG	2A	3492	1/1	0.98	0.09	31,31,31,31	0
55	MG	1A	3422	1/1	0.98	0.11	24,24,24,24	0
55	MG	13	101	1/1	0.98	0.13	31,31,31,31	0
55	MG	1A	3083	1/1	0.98	0.14	30,30,30,30	0
55	MG	1A	3506	1/1	0.98	0.07	18,18,18,18	0
55	MG	2A	3497	1/1	0.98	0.04	26,26,26,26	0
55	MG	1A	3356	1/1	0.98	0.09	25,25,25,25	0
55	MG	1A	3163	1/1	0.98	0.06	23,23,23,23	0
55	MG	1A	3426	1/1	0.98	0.11	19,19,19,19	0
55	MG	2A	3311	1/1	0.98	0.12	33,33,33,33	0
55	MG	1A	3510	1/1	0.98	0.06	18,18,18,18	0
55	MG	1A	3138	1/1	0.98	0.18	20,20,20,20	0
55	MG	1A	3682	1/1	0.98	0.10	51,51,51,51	0
55	MG	2A	3723	1/1	0.98	0.05	49,49,49,49	0
55	MG	1A	3899	1/1	0.98	0.03	22,22,22,22	0
55	MG	1A	3101	1/1	0.98	0.23	29,29,29,29	0
55	MG	1A	3429	1/1	0.98	0.07	12,12,12,12	0
55	MG	1A	3904	1/1	0.98	0.03	16,16,16,16	0
55	MG	17	103	1/1	0.98	0.10	30,30,30,30	0
55	MG	1A	3785	1/1	0.98	0.05	24,24,24,24	0
55	MG	2A	3321	1/1	0.98	0.04	42,42,42,42	0
55	MG	1A	3685	1/1	0.98	0.15	25,25,25,25	0
55	MG	1A	3304	1/1	0.98	0.11	36,36,36,36	0
55	MG	1A	3908	1/1	0.98	0.09	52,52,52,52	0
55	MG	1B	214	1/1	0.98	0.06	39,39,39,39	0
55	MG	2A	3326	1/1	0.98	0.08	36,36,36,36	0
55	MG	1B	215	1/1	0.98	0.05	36,36,36,36	0
55	MG	1A	3516	1/1	0.98	0.07	22,22,22,22	0
55	MG	1A	3039	1/1	0.98	0.12	35,35,35,35	0
55	MG	1A	3690	1/1	0.98	0.04	38,38,38,38	0
55	MG	2A	3740	1/1	0.98	0.14	47,47,47,47	0
55	MG	2a	3134	1/1	0.98	0.06	49,49,49,49	0
55	MG	1A	3306	1/1	0.98	0.30	39,39,39,39	0
55	MG	2A	3334	1/1	0.98	0.11	27,27,27,27	0
55	MG	2a	3137	1/1	0.98	0.08	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3006	1/1	0.98	0.05	22,22,22,22	0
55	MG	1A	3104	1/1	0.98	0.36	27,27,27,27	0
55	MG	1A	3916	1/1	0.98	0.05	25,25,25,25	0
55	MG	1A	3917	1/1	0.98	0.09	13,13,13,13	0
55	MG	2A	3004	1/1	0.98	0.08	33,33,33,33	0
55	MG	1A	3072	1/1	0.98	0.10	22,22,22,22	0
55	MG	1A	3264	1/1	0.98	0.13	36,36,36,36	0
55	MG	2A	3168	1/1	0.98	0.09	44,44,44,44	0
55	MG	2A	3007	1/1	0.98	0.07	31,31,31,31	0
55	MG	1A	3920	1/1	0.98	0.14	53,53,53,53	0
55	MG	1A	3796	1/1	0.98	0.05	33,33,33,33	0
55	MG	1A	3797	1/1	0.98	0.08	63,63,63,63	0
55	MG	1A	3924	1/1	0.98	0.04	37,37,37,37	0
55	MG	1D	301	1/1	0.98	0.28	35,35,35,35	0
55	MG	2A	3352	1/1	0.98	0.05	31,31,31,31	0
55	MG	2A	3353	1/1	0.98	0.11	27,27,27,27	0
55	MG	1A	3146	1/1	0.98	0.06	29,29,29,29	0
55	MG	1A	3524	1/1	0.98	0.06	44,44,44,44	0
55	MG	2A	3015	1/1	0.98	0.15	29,29,29,29	0
55	MG	2a	3158	1/1	0.98	0.06	46,46,46,46	0
55	MG	2a	3159	1/1	0.98	0.05	38,38,38,38	0
55	MG	2a	3160	1/1	0.98	0.09	39,39,39,39	0
55	MG	2B	217	1/1	0.98	0.06	52,52,52,52	0
55	MG	1A	3266	1/1	0.98	0.12	25,25,25,25	0
55	MG	1A	3526	1/1	0.98	0.08	22,22,22,22	0
55	MG	2A	3360	1/1	0.98	0.07	47,47,47,47	0
55	MG	2A	3546	1/1	0.98	0.05	48,48,48,48	0
55	MG	2D	302	1/1	0.98	0.12	41,41,41,41	0
55	MG	1A	3198	1/1	0.98	0.10	30,30,30,30	0
55	MG	2A	3363	1/1	0.98	0.06	33,33,33,33	0
55	MG	1A	3370	1/1	0.98	0.05	30,30,30,30	0
55	MG	2D	306	1/1	0.98	0.08	34,34,34,34	0
55	MG	1A	3061	1/1	0.98	0.03	26,26,26,26	0
55	MG	1A	3530	1/1	0.98	0.04	22,22,22,22	0
55	MG	2A	3184	1/1	0.98	0.05	47,47,47,47	0
55	MG	1A	3935	1/1	0.98	0.09	29,29,29,29	0
55	MG	1A	3148	1/1	0.98	0.05	28,28,28,28	0
55	MG	1A	3532	1/1	0.98	0.05	55,55,55,55	0
55	MG	2a	3179	1/1	0.98	0.05	56,56,56,56	0
55	MG	1A	3938	1/1	0.98	0.07	38,38,38,38	0
55	MG	2a	3181	1/1	0.98	0.08	58,58,58,58	0
55	MG	1A	3024	1/1	0.98	0.22	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2a	3183	1/1	0.98	0.05	49,49,49,49	0
55	MG	1A	3063	1/1	0.98	0.08	27,27,27,27	0
55	MG	2a	3185	1/1	0.98	0.04	51,51,51,51	0
55	MG	2A	3028	1/1	0.98	0.04	33,33,33,33	0
55	MG	1A	3272	1/1	0.98	0.30	24,24,24,24	0
55	MG	2A	3565	1/1	0.98	0.06	57,57,57,57	0
55	MG	1A	3273	1/1	0.98	0.21	25,25,25,25	0
55	MG	2a	3190	1/1	0.98	0.06	64,64,64,64	0
55	MG	1A	3007	1/1	0.98	0.08	25,25,25,25	0
55	MG	2F	303	1/1	0.98	0.12	40,40,40,40	0
55	MG	2F	304	1/1	0.98	0.14	36,36,36,36	0
55	MG	1E	302	1/1	0.98	0.31	40,40,40,40	0
55	MG	1E	303	1/1	0.98	0.14	26,26,26,26	0
55	MG	1a	3036	1/1	0.98	0.07	33,33,33,33	0
55	MG	1A	3176	1/1	0.98	0.17	22,22,22,22	0
55	MG	1A	3946	1/1	0.98	0.05	49,49,49,49	0
55	MG	1A	3619	1/1	0.98	0.10	26,26,26,26	0
55	MG	1A	3948	1/1	0.98	0.04	21,21,21,21	0
55	MG	2Q	201	1/1	0.98	0.08	41,41,41,41	0
55	MG	1A	3815	1/1	0.98	0.07	42,42,42,42	0
55	MG	2A	3041	1/1	0.98	0.12	40,40,40,40	0
55	MG	1F	301	1/1	0.98	0.15	26,26,26,26	0
55	MG	1A	3379	1/1	0.98	0.09	47,47,47,47	0
55	MG	1A	3621	1/1	0.98	0.04	33,33,33,33	0
55	MG	1F	305	1/1	0.98	0.16	25,25,25,25	0
55	MG	2A	3391	1/1	0.98	0.11	37,37,37,37	0
55	MG	2A	3584	1/1	0.98	0.08	37,37,37,37	0
58	ZN	2Y	501	1/1	0.98	0.04	78,78,78,78	0
55	MG	1A	3001	1/1	0.98	0.06	30,30,30,30	0
58	ZN	29	501	1/1	0.98	0.04	54,54,54,54	0
55	MG	1F	307	1/1	0.98	0.19	33,33,33,33	0
55	MG	1A	3914	1/1	0.99	0.03	45,45,45,45	0
55	MG	1A	3504	1/1	0.99	0.09	33,33,33,33	0
55	MG	2A	3167	1/1	0.99	0.08	35,35,35,35	0
55	MG	2A	3556	1/1	0.99	0.04	74,74,74,74	0
55	MG	1A	3976	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3687	1/1	0.99	0.07	30,30,30,30	0
55	MG	1A	3469	1/1	0.99	0.03	44,44,44,44	0
55	MG	1A	3470	1/1	0.99	0.05	22,22,22,22	0
55	MG	1A	3398	1/1	0.99	0.04	15,15,15,15	0
55	MG	2A	3562	1/1	0.99	0.03	54,54,54,54	0
55	MG	2A	3563	1/1	0.99	0.03	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	2A	3564	1/1	0.99	0.04	46,46,46,46	0
55	MG	2A	3358	1/1	0.99	0.03	27,27,27,27	0
55	MG	1A	3981	1/1	0.99	0.06	24,24,24,24	0
55	MG	2A	3682	1/1	0.99	0.04	55,55,55,55	0
55	MG	2A	3683	1/1	0.99	0.04	50,50,50,50	0
55	MG	2A	3684	1/1	0.99	0.02	30,30,30,30	0
55	MG	1A	3399	1/1	0.99	0.06	17,17,17,17	0
55	MG	1A	3819	1/1	0.99	0.08	29,29,29,29	0
55	MG	2A	3687	1/1	0.99	0.07	59,59,59,59	0
55	MG	2A	3362	1/1	0.99	0.03	29,29,29,29	0
55	MG	1B	221	1/1	0.99	0.04	36,36,36,36	0
55	MG	1A	3922	1/1	0.99	0.05	40,40,40,40	0
55	MG	1A	3444	1/1	0.99	0.04	19,19,19,19	0
55	MG	1A	3044	1/1	0.99	0.06	5,5,5,5	0
55	MG	1B	225	1/1	0.99	0.04	39,39,39,39	0
55	MG	1A	3511	1/1	0.99	0.05	17,17,17,17	0
55	MG	23	102	1/1	0.99	0.10	44,44,44,44	0
55	MG	2A	3576	1/1	0.99	0.06	47,47,47,47	0
55	MG	1Q	202	1/1	0.99	0.04	25,25,25,25	0
55	MG	1A	3871	1/1	0.99	0.06	30,30,30,30	0
55	MG	1A	3475	1/1	0.99	0.05	12,12,12,12	0
55	MG	2A	3580	1/1	0.99	0.04	53,53,53,53	0
55	MG	1A	3260	1/1	0.99	0.24	27,27,27,27	0
55	MG	1A	3929	1/1	0.99	0.07	49,49,49,49	0
55	MG	1A	3738	1/1	0.99	0.06	35,35,35,35	0
55	MG	1A	3041	1/1	0.99	0.04	24,24,24,24	0
55	MG	1A	3017	1/1	0.99	0.11	23,23,23,23	0
55	MG	1A	3933	1/1	0.99	0.03	38,38,38,38	0
55	MG	1a	3243	1/1	0.99	0.06	43,43,43,43	0
55	MG	1A	3191	1/1	0.99	0.17	39,39,39,39	0
55	MG	1A	3249	1/1	0.99	0.39	28,28,28,28	0
55	MG	1A	3451	1/1	0.99	0.06	21,21,21,21	0
55	MG	2A	3283	1/1	0.99	0.04	27,27,27,27	0
55	MG	1a	3247	1/1	0.99	0.05	59,59,59,59	0
55	MG	1a	3248	1/1	0.99	0.03	42,42,42,42	0
55	MG	2A	3286	1/1	0.99	0.04	51,51,51,51	0
55	MG	1a	3249	1/1	0.99	0.04	58,58,58,58	0
55	MG	2A	3488	1/1	0.99	0.04	42,42,42,42	0
55	MG	1D	307	1/1	0.99	0.07	9,9,9,9	0
55	MG	2A	3598	1/1	0.99	0.07	25,25,25,25	0
55	MG	1A	3452	1/1	0.99	0.06	20,20,20,20	0
55	MG	1A	3881	1/1	0.99	0.03	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3939	1/1	0.99	0.04	39,39,39,39	0
55	MG	2a	3021	1/1	0.99	0.06	35,35,35,35	0
55	MG	2A	3292	1/1	0.99	0.07	32,32,32,32	0
55	MG	2A	3030	1/1	0.99	0.10	34,34,34,34	0
55	MG	2A	3604	1/1	0.99	0.03	36,36,36,36	0
55	MG	2A	3605	1/1	0.99	0.06	31,31,31,31	0
55	MG	2a	3148	1/1	0.99	0.09	36,36,36,36	0
55	MG	1A	3832	1/1	0.99	0.08	19,19,19,19	0
55	MG	1A	3883	1/1	0.99	0.04	30,30,30,30	0
55	MG	2A	3296	1/1	0.99	0.05	47,47,47,47	0
55	MG	1A	3331	1/1	0.99	0.06	21,21,21,21	0
55	MG	1A	3111	1/1	0.99	0.18	31,31,31,31	0
55	MG	1a	3026	1/1	0.99	0.04	35,35,35,35	0
55	MG	1A	3705	1/1	0.99	0.04	37,37,37,37	0
55	MG	1A	3887	1/1	0.99	0.03	41,41,41,41	0
55	MG	1A	3126	1/1	0.99	0.11	33,33,33,33	0
55	MG	1V	201	1/1	0.99	0.11	21,21,21,21	0
55	MG	1a	3263	1/1	0.99	0.06	47,47,47,47	0
55	MG	1A	3143	1/1	0.99	0.12	13,13,13,13	0
55	MG	2A	3618	1/1	0.99	0.05	35,35,35,35	0
55	MG	1A	3283	1/1	0.99	0.04	33,33,33,33	0
55	MG	1a	3106	1/1	0.99	0.04	30,30,30,30	0
55	MG	1A	3458	1/1	0.99	0.04	50,50,50,50	0
55	MG	1A	3670	1/1	0.99	0.03	41,41,41,41	0
55	MG	1A	3490	1/1	0.99	0.03	35,35,35,35	0
55	MG	1E	305	1/1	0.99	0.07	41,41,41,41	0
55	MG	2a	3168	1/1	0.99	0.04	52,52,52,52	0
55	MG	1A	3672	1/1	0.99	0.04	38,38,38,38	0
55	MG	1A	3022	1/1	0.99	0.06	15,15,15,15	0
55	MG	1A	3844	1/1	0.99	0.06	31,31,31,31	0
55	MG	2A	3414	1/1	0.99	0.03	42,42,42,42	0
55	MG	1A	3285	1/1	0.99	0.06	20,20,20,20	0
55	MG	1a	3192	1/1	0.99	0.04	59,59,59,59	0
55	MG	2a	3175	1/1	0.99	0.10	48,48,48,48	0
55	MG	1A	3956	1/1	0.99	0.03	22,22,22,22	0
55	MG	2A	3139	1/1	0.99	0.09	27,27,27,27	0
55	MG	1A	3715	1/1	0.99	0.04	30,30,30,30	0
55	MG	1F	303	1/1	0.99	0.16	27,27,27,27	0
55	MG	1A	4020	1/1	0.99	0.08	21,21,21,21	0
55	MG	1A	3493	1/1	0.99	0.06	18,18,18,18	0
55	MG	1a	3120	1/1	0.99	0.08	33,33,33,33	0
55	MG	1A	3900	1/1	0.99	0.04	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3901	1/1	0.99	0.05	36,36,36,36	0
55	MG	1A	3254	1/1	0.99	0.12	37,37,37,37	0
55	MG	2A	3327	1/1	0.99	0.11	28,28,28,28	0
55	MG	1A	3414	1/1	0.99	0.03	31,31,31,31	0
55	MG	2A	3329	1/1	0.99	0.09	26,26,26,26	0
55	MG	1a	3125	1/1	0.99	0.06	48,48,48,48	0
55	MG	1F	310	1/1	0.99	0.13	28,28,28,28	0
55	MG	11	103	1/1	0.99	0.05	42,42,42,42	0
55	MG	1A	3761	1/1	0.99	0.05	42,42,42,42	0
55	MG	1A	3852	1/1	0.99	0.04	35,35,35,35	0
55	MG	1A	3145	1/1	0.99	0.04	24,24,24,24	0
55	MG	1A	3497	1/1	0.99	0.07	21,21,21,21	0
55	MG	1A	3416	1/1	0.99	0.06	24,24,24,24	0
55	MG	2A	3338	1/1	0.99	0.09	30,30,30,30	0
55	MG	2A	3339	1/1	0.99	0.04	33,33,33,33	0
55	MG	2A	3654	1/1	0.99	0.04	29,29,29,29	0
55	MG	2A	3655	1/1	0.99	0.03	38,38,38,38	0
55	MG	2A	3656	1/1	0.99	0.04	54,54,54,54	0
55	MG	2A	3244	1/1	0.99	0.06	37,37,37,37	0
55	MG	1A	3499	1/1	0.99	0.03	34,34,34,34	0
55	MG	2A	3342	1/1	0.99	0.07	35,35,35,35	0
55	MG	2A	3545	1/1	0.99	0.10	23,23,23,23	0
55	MG	1A	3230	1/1	0.99	0.15	31,31,31,31	0
55	MG	1A	3970	1/1	0.99	0.10	43,43,43,43	0
55	MG	2A	3074	1/1	0.99	0.07	23,23,23,23	0
58	ZN	15	109	1/1	0.99	0.03	47,47,47,47	0
58	ZN	16	501	1/1	0.99	0.02	29,29,29,29	0
58	ZN	19	103	1/1	0.99	0.02	38,38,38,38	0
55	MG	2E	306	1/1	0.99	0.07	22,22,22,22	0
55	MG	1A	3084	1/1	0.99	0.19	35,35,35,35	0
55	MG	1A	3467	1/1	0.99	0.04	40,40,40,40	0
58	ZN	25	104	1/1	0.99	0.02	55,55,55,55	0
58	ZN	26	501	1/1	0.99	0.04	54,54,54,54	0
55	MG	1A	3095	1/1	0.99	0.07	10,10,10,10	0
55	MG	1a	3139	1/1	0.99	0.06	47,47,47,47	0
59	SF4	1d	306	8/8	0.99	0.06	55,64,69,72	0
59	SF4	2d	501	8/8	0.99	0.04	58,66,69,73	0
55	MG	1a	3272	1/1	1.00	0.06	45,45,45,45	0
55	MG	1A	3476	1/1	1.00	0.04	30,30,30,30	0
55	MG	2A	3482	1/1	1.00	0.05	28,28,28,28	0
55	MG	1A	3849	1/1	1.00	0.03	18,18,18,18	0
58	ZN	1Y	202	1/1	1.00	0.02	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	1A	3335	1/1	1.00	0.04	24,24,24,24	0

6.5 Other polymers (i)

There are no such residues in this entry.