



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 6, 2026 – 04:45 PM UTC

PDB ID : 6FKR / pdb_00006fkr
Title : Crystal structure of the dolphin proline-rich antimicrobial peptide Tur1A bound to the Thermus thermophilus 70S ribosome
Authors : Mardirossian, M.; Perebaskine, N.; Benincasa, M.; Gambato, S.; Hofmann, S.; Huter, P.; Muller, C.; Hilpert, K.; Innis, C.A.; Tossi, A.; Wilson, D.N.
Deposited on : 2018-01-24
Resolution : 3.20 Å(reported)

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

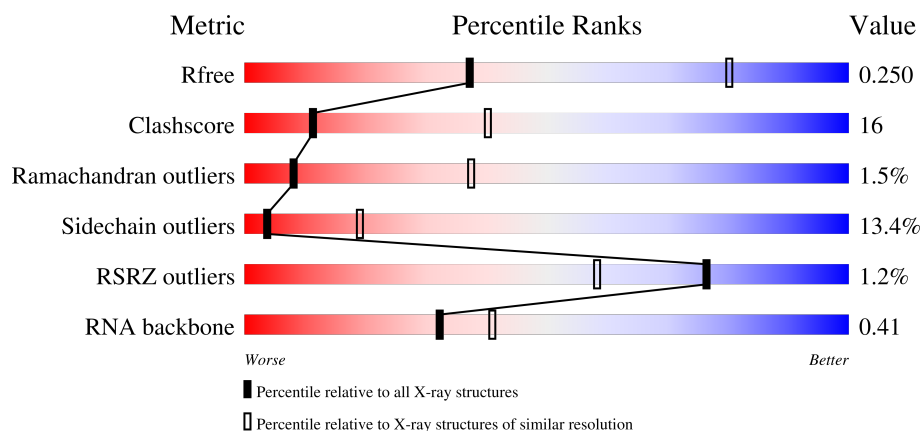
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.20 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.





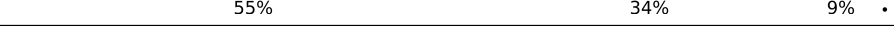
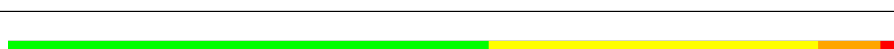


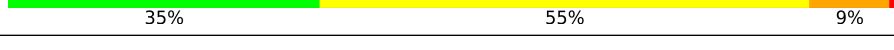
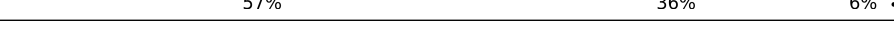





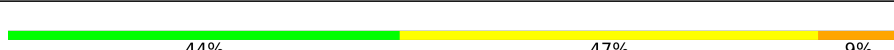


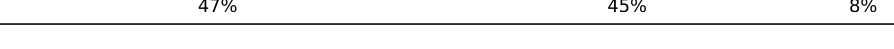
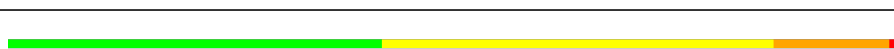






Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1466 (3.20-3.20)
Clashscore	190562	1573 (3.20-3.20)
Ramachandran outliers	187476	1548 (3.20-3.20)
Sidechain outliers	187428	1547 (3.20-3.20)
RSRZ outliers	180081	1466 (3.20-3.20)
RNA backbone	3983	1222 (3.50-2.90)

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 $\leq 5\%$. 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	2901	<div> <div style="width: 100%; height: 10px; background-color: red;"></div> <div style="display: flex; justify-content: space-between; align-items: center;"> % <div style="width: 100%; height: 10px; background-color: green;"></div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> 45% 43% 11% </div> </div>
1	2A	2901	<div> <div style="width: 100%; height: 10px; background-color: red;"></div> <div style="display: flex; justify-content: space-between; align-items: center;"> % <div style="width: 100%; height: 10px; background-color: green;"></div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> 39% 47% 13% </div> </div>
2	1B	120	<div> <div style="width: 100%; height: 10px; background-color: green;"></div> <div style="display: flex; justify-content: space-between; align-items: center;"> 47% 46% 8% </div> </div>
2	2B	120	<div> <div style="width: 100%; height: 10px; background-color: green;"></div> <div style="display: flex; justify-content: space-between; align-items: center;"> 39% 52% 8% </div> </div>

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Mol	Chain	Length	Quality of chain
3	1D	275	% 
3	2D	275	
4	1E	204	
4	2E	204	
5	1F	203	
5	2F	203	
6	1G	181	
6	2G	181	% 
7	1H	174	
7	2H	174	
8	1I	147	
8	2I	147	5% 
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	149	
11	2P	149	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	110	
14	2S	110	% 
15	1T	131	2%

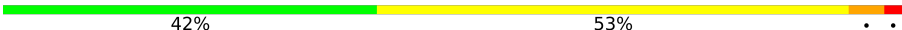






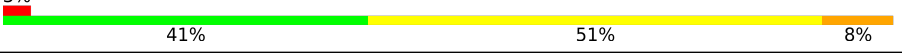

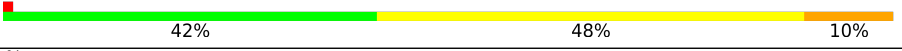
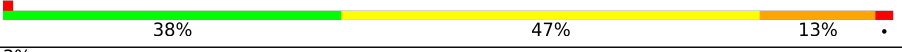
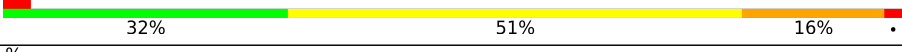
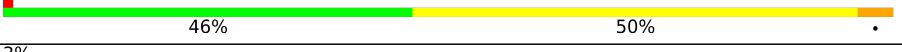

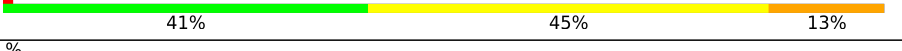
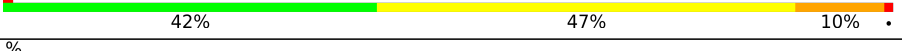
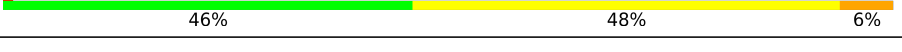



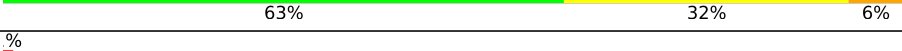
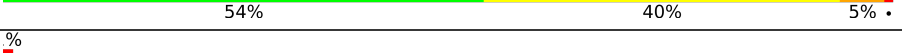

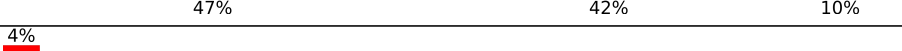

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Mol	Chain	Length	Quality of chain
15	2T	131	% 53% 39% 8%
16	1U	116	53% 39% 9%
16	2U	116	53% 40% 7%
17	1V	101	64% 30% 6%
17	2V	101	60% 32% 7% .
18	1W	112	53% 42% . .
18	2W	112	50% 40% 9% .
19	1X	95	% 56% 38% 5% .
19	2X	95	% 56% 39% 5%
20	1Y	107	% 53% 41% 5% .
20	2Y	107	% 56% 36% 8%
21	1Z	203	54% 37% 7% .
21	2Z	203	% 51% 39% 8% .
22	10	77	62% 31% 5% .
22	20	77	% 64% 29% 8%
23	11	97	% 60% 33% 6% .
23	21	97	% 47% 44% 8%
24	12	70	% 63% 36% .
24	22	70	53% 41% 6%
25	13	59	2% 46% 42% 12%
25	23	59	46% 47% 7%
26	14	69	3% 32% 46% 19% .
26	24	69	% 43% 38% 17% .
27	15	59	47% 42% 10%
27	25	59	54% 39% 7%

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Mol	Chain	Length	Quality of chain
28	16	53	
28	26	53	
29	17	48	
29	27	48	
30	18	64	
30	28	64	
31	19	37	
31	29	37	
32	1a	1507	
32	2a	1507	
33	1b	231	
33	2b	231	
34	1c	206	
34	2c	206	
35	1d	208	
35	2d	208	
36	1e	148	
36	2e	148	
37	1f	100	
37	2f	100	
38	1g	155	
38	2g	155	
39	1h	137	
39	2h	137	
40	1i	127	

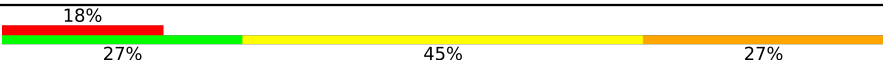


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Mol	Chain	Length	Quality of chain
40	2i	127	
41	1j	97	
41	2j	97	
42	1k	114	
42	2k	114	
43	1l	122	
43	2l	122	
44	1m	116	
44	2m	116	
45	1n	60	
45	2n	60	
46	1o	88	
46	2o	88	
47	1p	82	
47	2p	82	
48	1q	99	
48	2q	99	
49	1r	68	
49	2r	68	
50	1s	83	
50	2s	83	
51	1t	96	
51	2t	96	
52	1u	23	
52	2u	23	

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Mol	Chain	Length	Quality of chain
53	1y	22	
54	1z	97	
54	2z	97	

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
43	0TD	1l	92	-	X	-	-
55	MG	1A	3252	-	-	-	X
55	MG	1A	3528	-	-	-	X
55	MG	1A	3553	-	-	-	X
55	MG	1A	3556	-	-	-	X
55	MG	1A	3584	-	-	-	X
55	MG	1D	303	-	-	-	X
55	MG	1a	1661	-	-	-	X
55	MG	2A	3492	-	-	-	X
55	MG	2A	3594	-	-	-	X
55	MG	2A	3911	-	-	-	X
55	MG	2A	3931	-	-	-	X
55	MG	2a	1739	-	-	-	X
57	SF4	2d	501	-	-	X	-

2 Entry composition

There are 58 unique types of molecules in this entry. The entry contains 294294 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			
1	2A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1A	652R	G	C	conflict	GB 37223181
1A	1227	G	UNK	conflict	GB 37223181
2A	652R	G	C	conflict	GB 37223181
2A	1227	G	UNK	conflict	GB 37223181

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	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
			1584	1009	298	275	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
			1426	916	253	253	4			

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

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

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

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

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	2N	140	Total	C	N	O	S	0	0	0
			1121	722	208	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			
10	2O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total	C	N	O	0	0	0
			877	553	175	149			
14	2S	110	Total	C	N	O	0	0	0
			877	553	175	149			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			775	498	141	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	520	153	131	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	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	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
			754	475	148	130	1			

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

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

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

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

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

- 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			
26	24	69	Total	C	N	O	S	0	0	0
			546	346	96	99	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
			459	288	90	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
			453	281	91	77	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 16 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	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			

- 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
			1842	1175	330	332	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
			1558	979	305	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
			1665	1043	329	286	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
			814	516	144	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
			1235	769	244	216	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	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	127	Total	C	N	O	0	0	0
			986	625	193	168			

- 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			

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

- 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			
			834	520	156	155	3	0	0	0
42	2k	114	Total	C	N	O	S			
			834	520	156	155	3	0	0	0

- 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			
			932	586	185	159	2	0	0	0
43	2l	122	Total	C	N	O	S			
			932	586	185	159	2	0	0	0

- 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			
			914	564	189	159	2	0	0	0
44	2m	116	Total	C	N	O	S			
			914	564	189	159	2	0	0	0

- 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			
			492	312	104	72	4	0	0	0
45	2n	60	Total	C	N	O	S			
			492	312	104	72	4	0	0	0

- 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			
			728	456	144	126	2	0	0	0
46	2o	88	Total	C	N	O	S			
			728	456	144	126	2	0	0	0

- 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
			681	433	134	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
			648	415	120	111	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	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			

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

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

- Molecule 53 is a protein called Tur1A peptide.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	1y	22	Total	C	N	O	0	0	0
			168	111	34	23			

- Molecule 54 is a protein called Ribosome-associated inhibitor A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1z	97	Total	C	N	O	S	0	0	0
			764	478	144	139	3			
54	2z	97	Total	C	N	O	S	0	0	0
			764	478	144	139	3			

- Molecule 55 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1A	957	Total	Mg	0	0
			957	957		
55	1B	28	Total	Mg	0	0
			28	28		
55	1D	17	Total	Mg	0	0
			17	17		
55	1E	5	Total	Mg	0	0
			5	5		
55	1F	14	Total	Mg	0	0
			14	14		
55	1G	3	Total	Mg	0	0
			3	3		
55	1H	2	Total	Mg	0	0
			2	2		
55	1N	4	Total	Mg	0	0
			4	4		
55	1P	4	Total	Mg	0	0
			4	4		
55	1Q	4	Total	Mg	0	0
			4	4		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1R	4	Total 4	Mg 4	0	0
55	1T	2	Total 2	Mg 2	0	0
55	1U	5	Total 5	Mg 5	0	0
55	1V	3	Total 3	Mg 3	0	0
55	1W	3	Total 3	Mg 3	0	0
55	1X	2	Total 2	Mg 2	0	0
55	1Y	1	Total 1	Mg 1	0	0
55	10	7	Total 7	Mg 7	0	0
55	11	4	Total 4	Mg 4	0	0
55	13	2	Total 2	Mg 2	0	0
55	15	5	Total 5	Mg 5	0	0
55	17	2	Total 2	Mg 2	0	0
55	18	3	Total 3	Mg 3	0	0
55	19	3	Total 3	Mg 3	0	0
55	1a	245	Total 245	Mg 245	0	0
55	1b	1	Total 1	Mg 1	0	0
55	1d	5	Total 5	Mg 5	0	0
55	1e	1	Total 1	Mg 1	0	0
55	1f	1	Total 1	Mg 1	0	0
55	1g	1	Total 1	Mg 1	0	0
55	1h	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	1i	1	Total 1	Mg 1	0	0
55	1k	1	Total 1	Mg 1	0	0
55	1l	2	Total 2	Mg 2	0	0
55	1n	1	Total 1	Mg 1	0	0
55	1o	2	Total 2	Mg 2	0	0
55	1t	1	Total 1	Mg 1	0	0
55	2A	971	Total 971	Mg 971	0	0
55	2B	26	Total 26	Mg 26	0	0
55	2D	17	Total 17	Mg 17	0	0
55	2E	6	Total 6	Mg 6	0	0
55	2F	11	Total 11	Mg 11	0	0
55	2G	3	Total 3	Mg 3	0	0
55	2H	2	Total 2	Mg 2	0	0
55	2N	3	Total 3	Mg 3	0	0
55	2P	2	Total 2	Mg 2	0	0
55	2Q	4	Total 4	Mg 4	0	0
55	2R	3	Total 3	Mg 3	0	0
55	2S	1	Total 1	Mg 1	0	0
55	2T	3	Total 3	Mg 3	0	0
55	2U	5	Total 5	Mg 5	0	0
55	2V	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2W	3	Total 3	Mg 3	0	0
55	2X	2	Total 2	Mg 2	0	0
55	2Y	1	Total 1	Mg 1	0	0
55	20	5	Total 5	Mg 5	0	0
55	21	1	Total 1	Mg 1	0	0
55	23	2	Total 2	Mg 2	0	0
55	25	4	Total 4	Mg 4	0	0
55	27	2	Total 2	Mg 2	0	0
55	28	2	Total 2	Mg 2	0	0
55	29	3	Total 3	Mg 3	0	0
55	2a	242	Total 242	Mg 242	0	0
55	2b	1	Total 1	Mg 1	0	0
55	2d	3	Total 3	Mg 3	0	0
55	2e	1	Total 1	Mg 1	0	0
55	2f	1	Total 1	Mg 1	0	0
55	2g	1	Total 1	Mg 1	0	0
55	2h	2	Total 2	Mg 2	0	0
55	2i	1	Total 1	Mg 1	0	0
55	2l	2	Total 2	Mg 2	0	0
55	2o	2	Total 2	Mg 2	0	0
55	2t	2	Total 2	Mg 2	0	0

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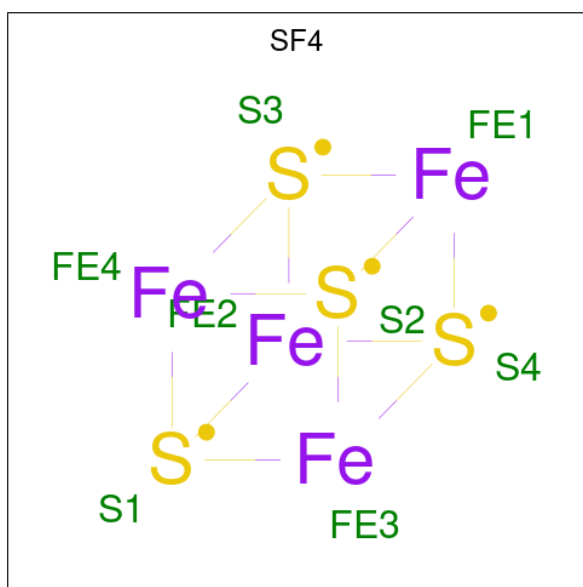
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	2z	2	Total 2	Mg 2	0	0

- Molecule 56 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Y	1	Total 1	Zn 1	0	0
56	14	1	Total 1	Zn 1	0	0
56	15	1	Total 1	Zn 1	0	0
56	16	1	Total 1	Zn 1	0	0
56	19	1	Total 1	Zn 1	0	0
56	1n	1	Total 1	Zn 1	0	0
56	2Y	1	Total 1	Zn 1	0	0
56	24	1	Total 1	Zn 1	0	0
56	25	1	Total 1	Zn 1	0	0
56	26	1	Total 1	Zn 1	0	0
56	29	1	Total 1	Zn 1	0	0
56	2n	1	Total 1	Zn 1	0	0

- Molecule 57 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
57	1d	1	Total	Fe	S	0	0
			8	4	4		
57	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 58 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1A	1782	Total	O	0	0
			1782	1782		
58	1B	45	Total	O	0	0
			45	45		
58	1D	15	Total	O	0	0
			15	15		
58	1E	18	Total	O	0	0
			18	18		
58	1F	14	Total	O	0	0
			14	14		
58	1G	2	Total	O	0	0
			2	2		
58	1H	5	Total	O	0	0
			5	5		
58	1N	7	Total	O	0	0
			7	7		
58	1P	12	Total	O	0	0
			12	12		
58	1Q	6	Total	O	0	0
			6	6		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1R	6	Total 6	O 6	0	0
58	1T	5	Total 5	O 5	0	0
58	1U	7	Total 7	O 7	0	0
58	1V	3	Total 3	O 3	0	0
58	1W	1	Total 1	O 1	0	0
58	1X	6	Total 6	O 6	0	0
58	1Y	5	Total 5	O 5	0	0
58	10	6	Total 6	O 6	0	0
58	11	2	Total 2	O 2	0	0
58	13	2	Total 2	O 2	0	0
58	15	2	Total 2	O 2	0	0
58	16	2	Total 2	O 2	0	0
58	17	2	Total 2	O 2	0	0
58	18	9	Total 9	O 9	0	0
58	19	2	Total 2	O 2	0	0
58	1a	406	Total 406	O 406	0	0
58	1d	8	Total 8	O 8	0	0
58	1e	4	Total 4	O 4	0	0
58	1f	1	Total 1	O 1	0	0
58	1h	1	Total 1	O 1	0	0
58	1j	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1l	3	Total 3	O 3	0	0
58	1m	3	Total 3	O 3	0	0
58	1n	1	Total 1	O 1	0	0
58	1o	1	Total 1	O 1	0	0
58	1p	1	Total 1	O 1	0	0
58	1t	1	Total 1	O 1	0	0
58	1z	3	Total 3	O 3	0	0
58	2A	1771	Total 1771	O 1771	0	0
58	2B	46	Total 46	O 46	0	0
58	2D	14	Total 14	O 14	0	0
58	2E	20	Total 20	O 20	0	0
58	2F	12	Total 12	O 12	0	0
58	2G	2	Total 2	O 2	0	0
58	2H	4	Total 4	O 4	0	0
58	2N	7	Total 7	O 7	0	0
58	2P	11	Total 11	O 11	0	0
58	2Q	7	Total 7	O 7	0	0
58	2R	6	Total 6	O 6	0	0
58	2T	5	Total 5	O 5	0	0
58	2U	8	Total 8	O 8	0	0
58	2V	5	Total 5	O 5	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	2W	2	Total	O	0	0
			2	2		
58	2X	7	Total	O	0	0
			7	7		
58	2Y	5	Total	O	0	0
			5	5		
58	20	8	Total	O	0	0
			8	8		
58	21	2	Total	O	0	0
			2	2		
58	23	2	Total	O	0	0
			2	2		
58	25	4	Total	O	0	0
			4	4		
58	26	2	Total	O	0	0
			2	2		
58	27	2	Total	O	0	0
			2	2		
58	28	11	Total	O	0	0
			11	11		
58	29	2	Total	O	0	0
			2	2		
58	2a	404	Total	O	0	0
			404	404		
58	2d	8	Total	O	0	0
			8	8		
58	2e	6	Total	O	0	0
			6	6		
58	2f	1	Total	O	0	0
			1	1		
58	2h	1	Total	O	0	0
			1	1		
58	2j	1	Total	O	0	0
			1	1		
58	2l	3	Total	O	0	0
			3	3		
58	2m	2	Total	O	0	0
			2	2		
58	2n	1	Total	O	0	0
			1	1		
58	2o	3	Total	O	0	0
			3	3		

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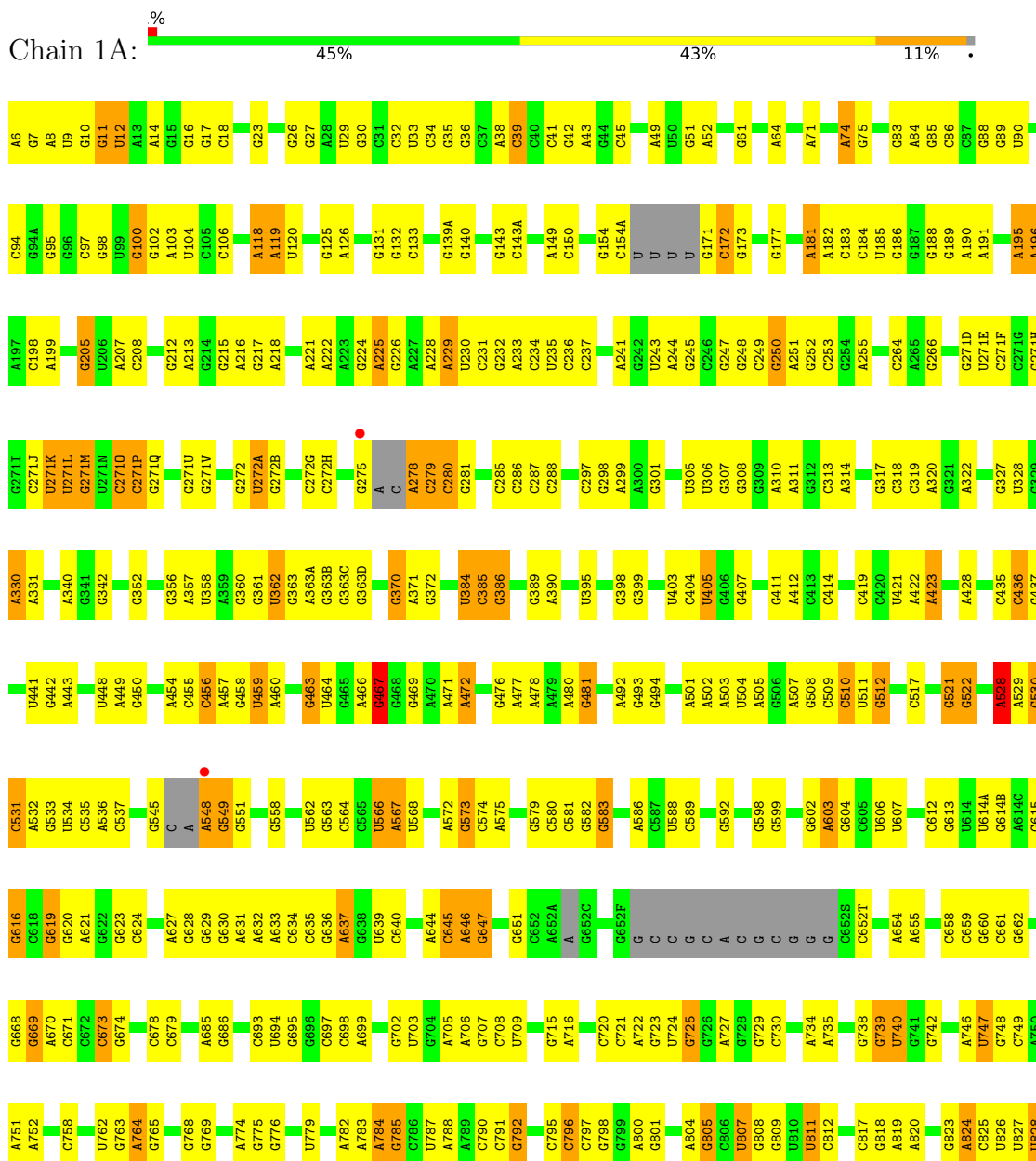
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	2p	1	Total	O	0	0
			1	1		
58	2z	4	Total	O	0	0
			4	4		

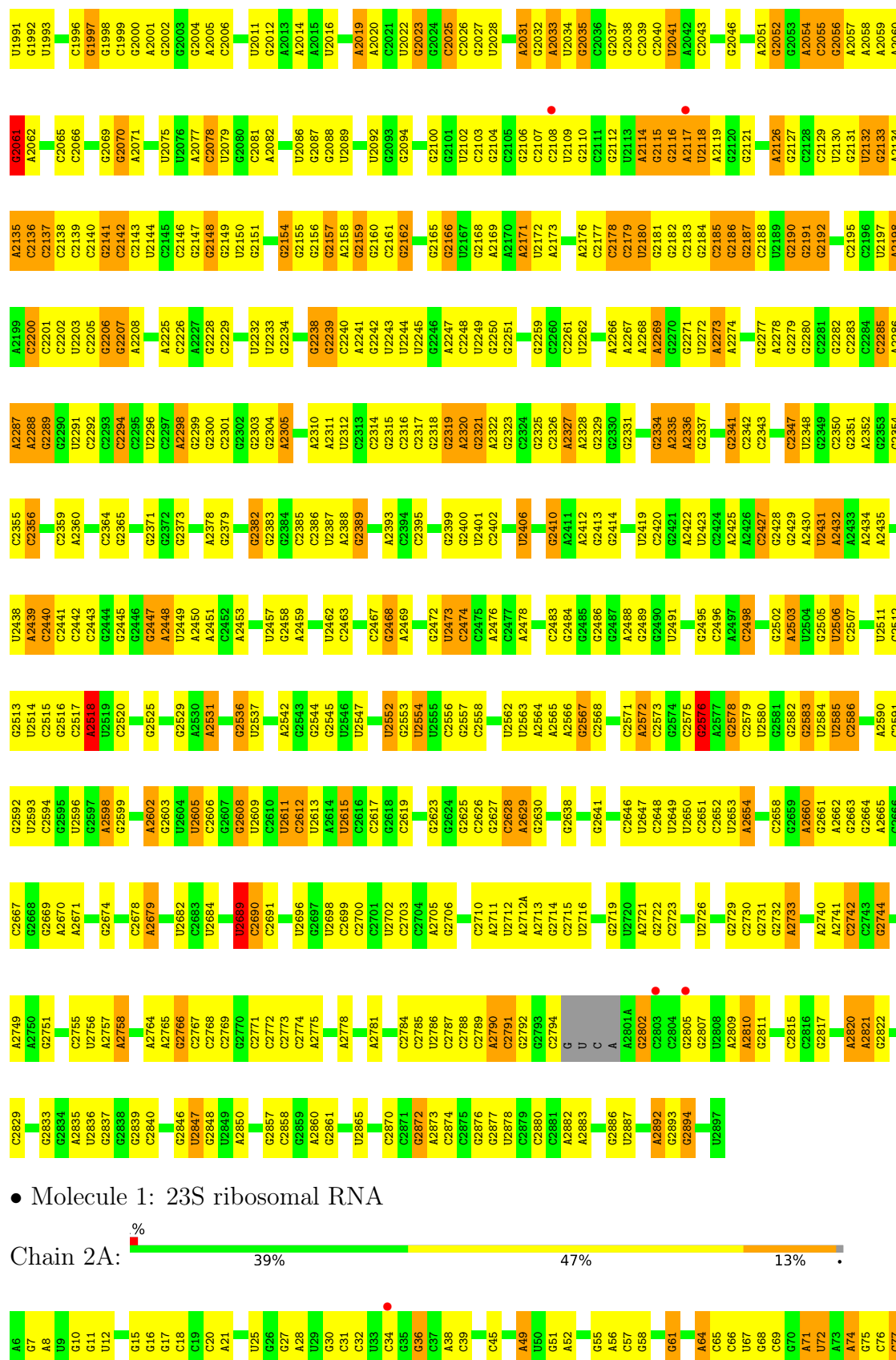
3 Residue-property plots

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

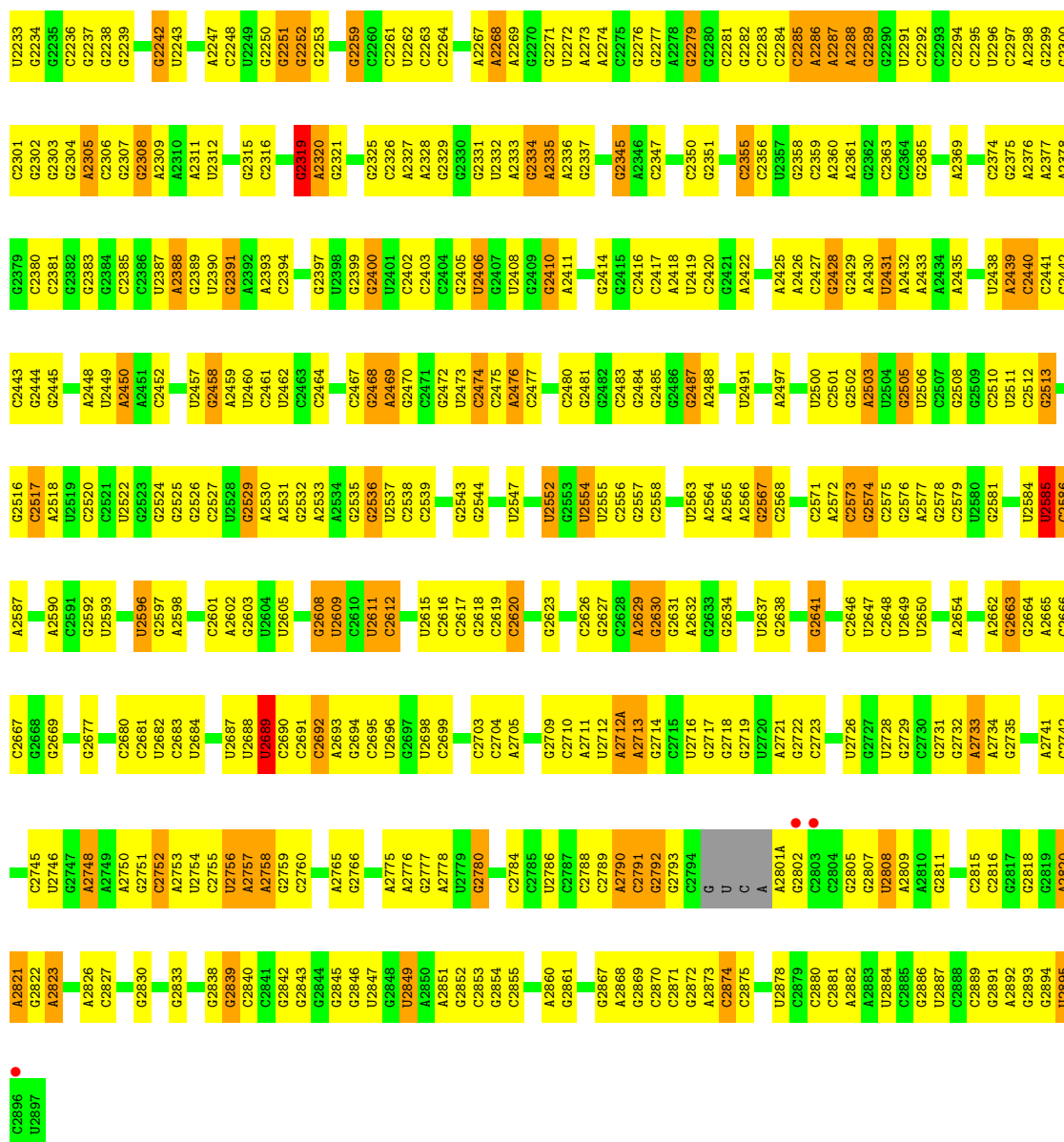


C1914	C1915	A1916	U1917	A1918	A1919	C1920	G1921	C1924	C1925	U1926	C1927	A1928	G1929	G1930	U1931	A1932	G1935	A1936	A1937	G1938	U1939	U1940	C1941	C1942	U1943	U1944	G1945	U1946	C1947	U1948	U1955	A1960	C1961	C1962	U1963	G1964	C1965	A1966	C1967	G1968	A1969	A1970	A1971	U1972	G1973	C1974	A1981	G1985	A1986	G1987	G1988	C1989						
G1817	U1818	A1819	U1820	A1821	G1822	G1823	G1826	A1829	A1830	C1831	C1832	C1833	G1838	G1839	C1843	A1847	A1848	G1849	G1850	A1853	G1857	G1858	U1864	A1877	G1878	C1879	G1883	A1884	A1885	C1886	G1887	G1888	A1889	G1890	G1891	C1892	G1897	U1898	G1899	A1900	G1903	G1904	C1905	A1906	U1911	A1912	A1913											
U1722	U1739	G1740	A1741	G1742	C1743		C1751	G1752	G1753	C1754	A1755	G1756		A1759	G1762	G1763	G1764	C1765	C1771	G1772	A1773	U1777	U1778	U1779	A1780	C1781	C1782	A1783	A1784	A1785	A1786	C1790	A1791	G1792	C1793	U1794	G1795	U1796	C1797	U1798	G1799	C1800	A1801	A1802	A1803	C1804	U1805	A1809	A1810	G1811	A1812	A1815	G1816					
C1640	A1641	C1644	C1644	C1648	G1651	A1652	G1653	A1654	A1655	C1656	C1657	C1658	A1665	G1666	A1667	A1668	A1669	C1670	U1673	G1674	C1675	A1676	A1677	G1678	C1684	C1685	U1688	A1689	A1690	C1691	U1692	U1693	G1696	G1697	A1698	G1699	A1700	A1701	G1702	G1703	G1705	U1706	U1709	C1710	G1711	C1712	U1713	U1720	G1721									
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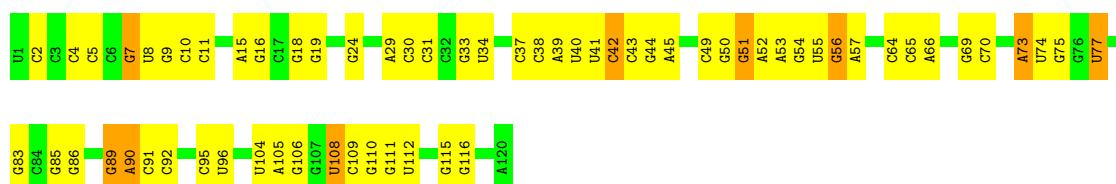
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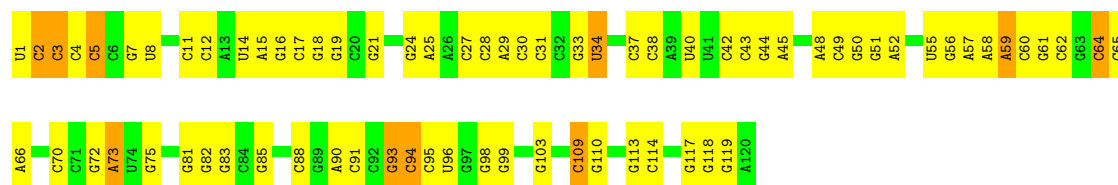
• Molecule 2: 5S ribosomal RNA

Chain 1B: 47% 46% 8%

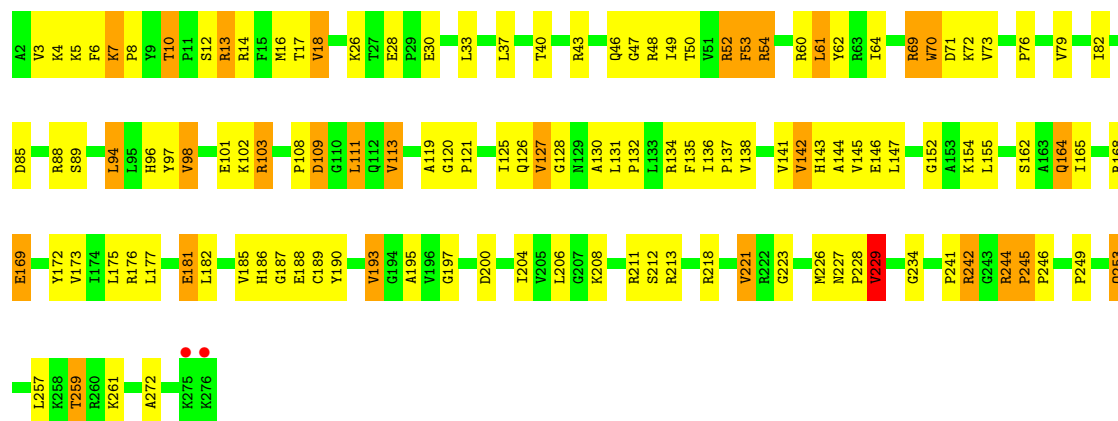


• Molecule 2: 5S ribosomal RNA

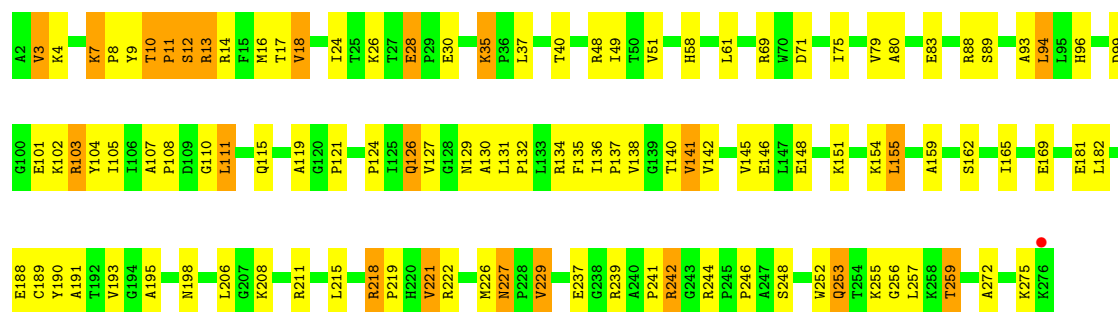
Chain 2B: 39% 52% 8%



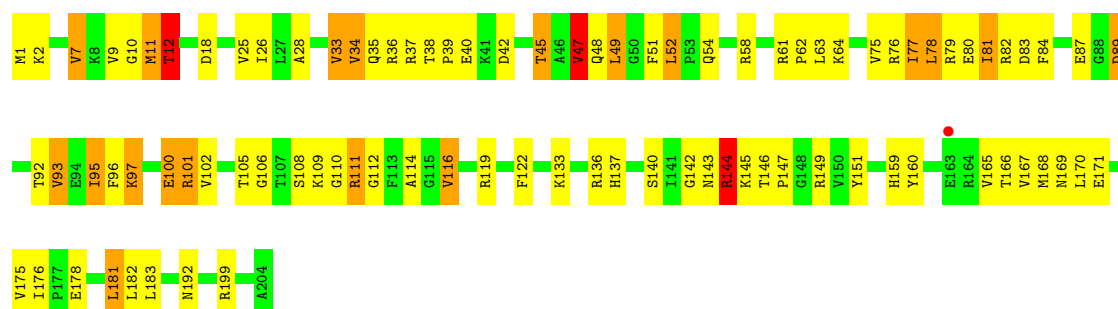
• Molecule 3: 50S ribosomal protein L2



• Molecule 3: 50S ribosomal protein L2



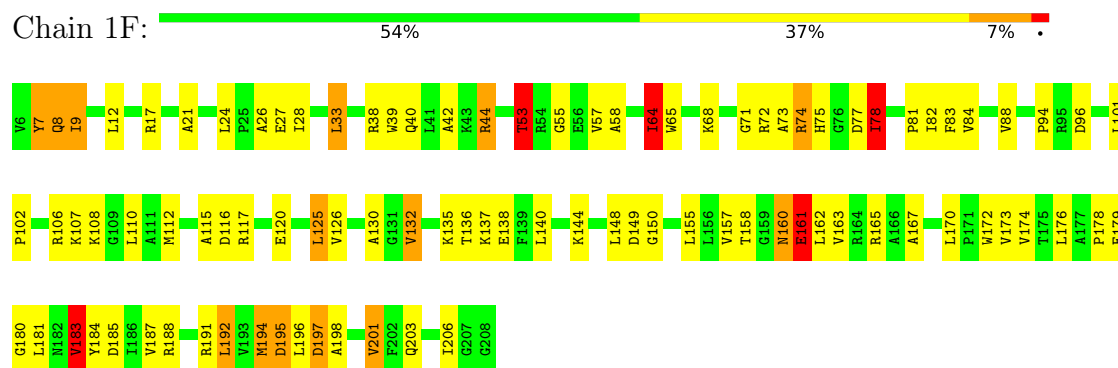
• Molecule 4: 50S ribosomal protein L3



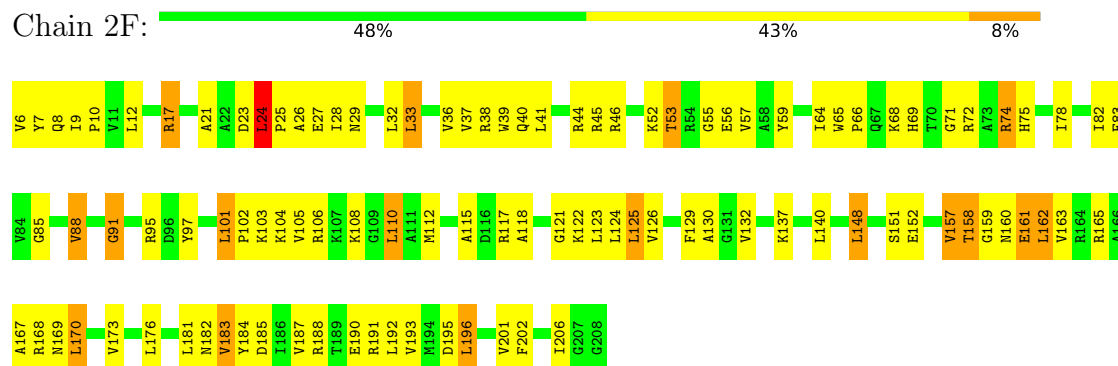
- Molecule 4: 50S ribosomal protein L3



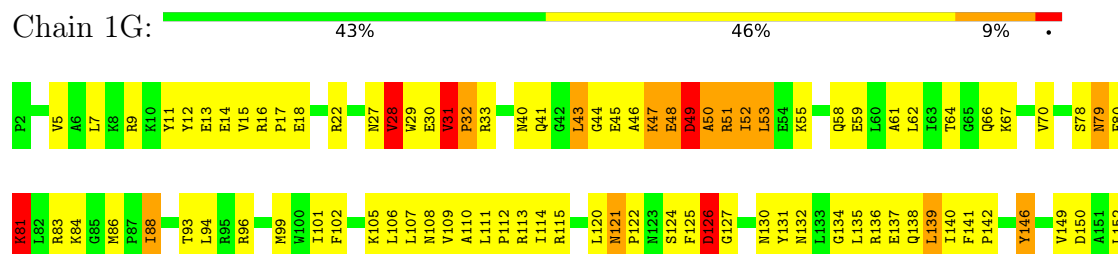
- Molecule 5: 50S ribosomal protein L4

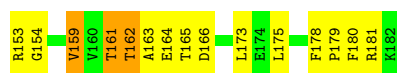


- Molecule 5: 50S ribosomal protein L4

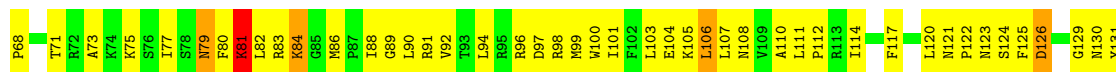
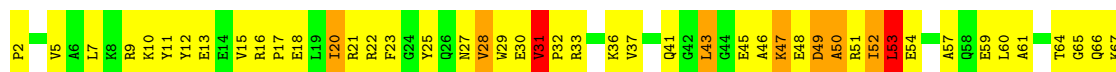


- Molecule 6: 50S ribosomal protein L5





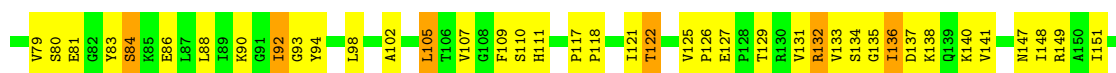
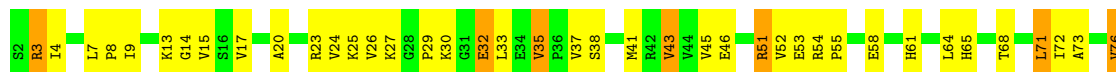
• Molecule 6: 50S ribosomal protein L5



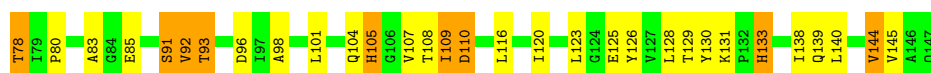
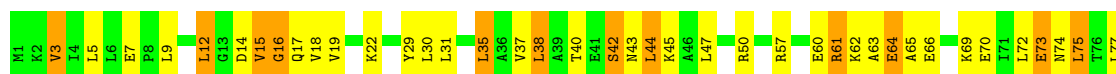
• Molecule 7: 50S ribosomal protein L6



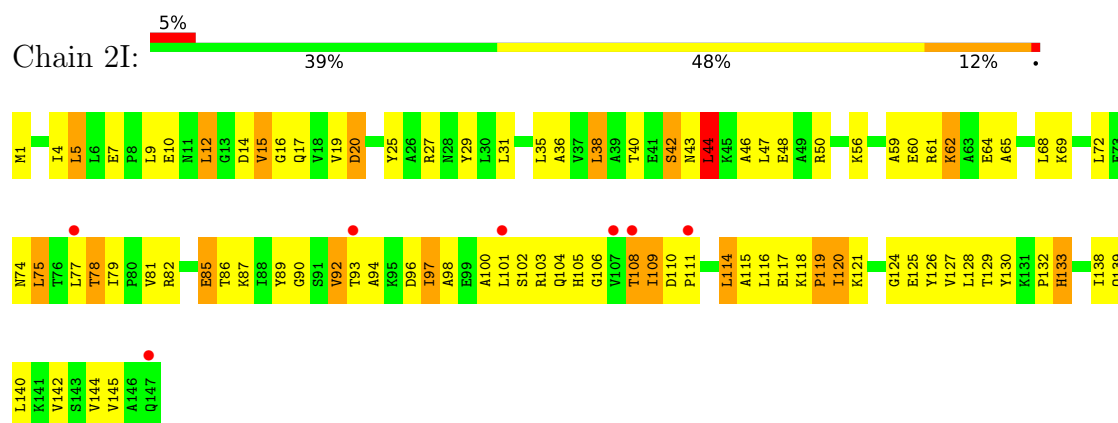
• Molecule 7: 50S ribosomal protein L6



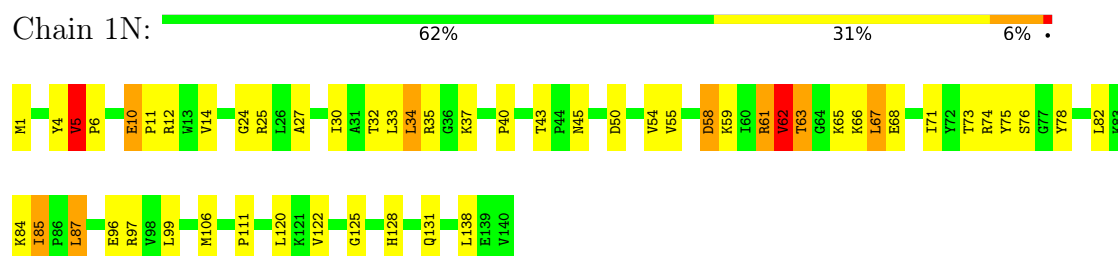
• Molecule 8: 50S ribosomal protein L9



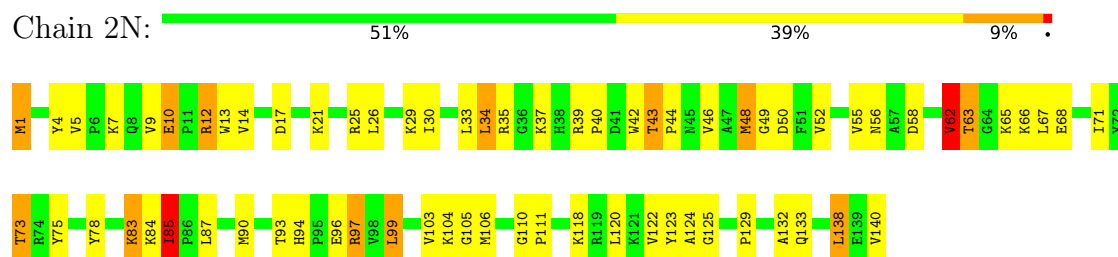
- Molecule 8: 50S ribosomal protein L9



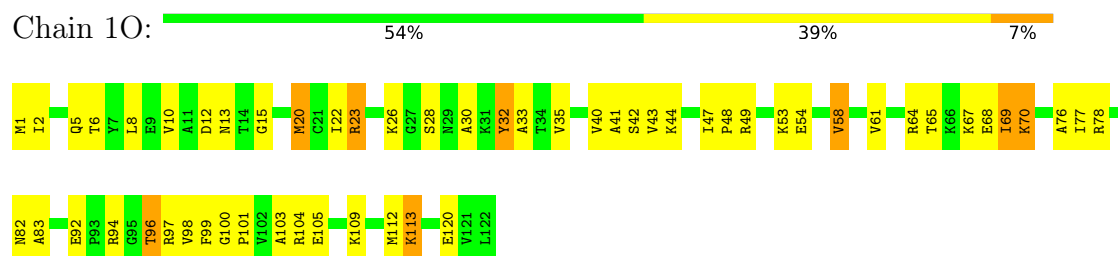
- Molecule 9: 50S ribosomal protein L13



- Molecule 9: 50S ribosomal protein L13

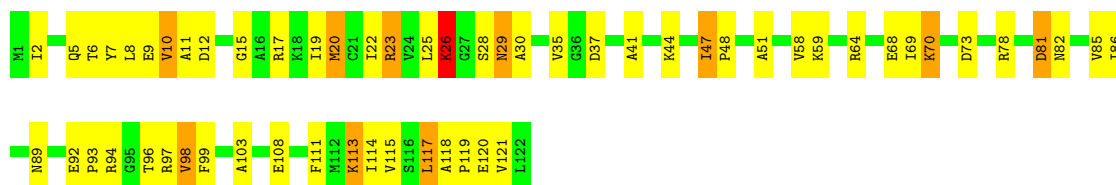


- Molecule 10: 50S ribosomal protein L14



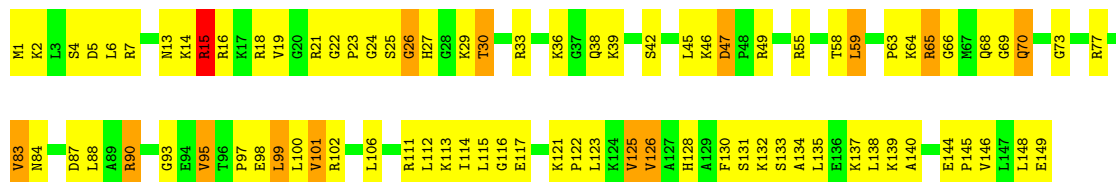
- Molecule 10: 50S ribosomal protein L14





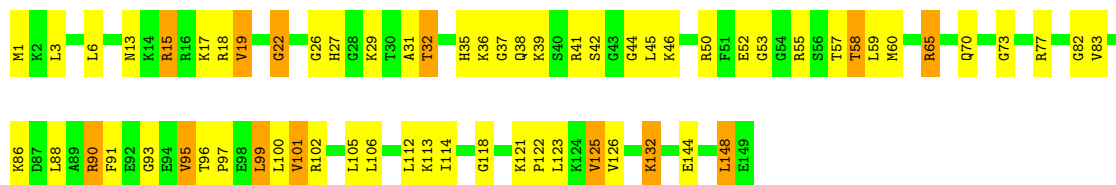
- Molecule 11: 50S ribosomal protein L15

Chain 1P: 44% 47% 9% .



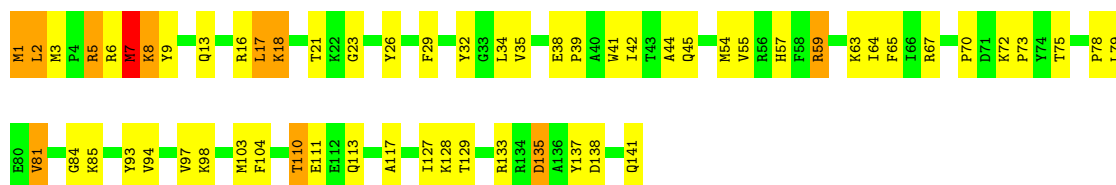
- Molecule 11: 50S ribosomal protein L15

Chain 2P: 57% 34% 9%



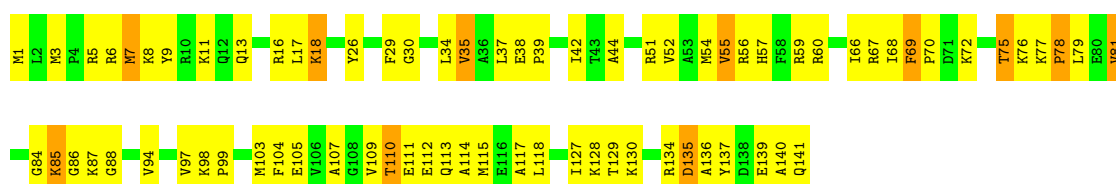
- Molecule 12: 50S ribosomal protein L16

Chain 1Q: 57% 35% 7% .



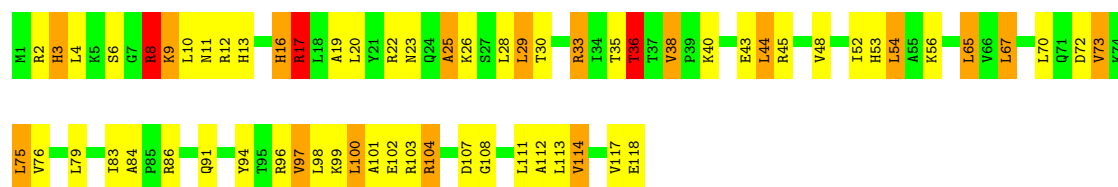
- Molecule 12: 50S ribosomal protein L16

Chain 2Q: 47% 45% 8%



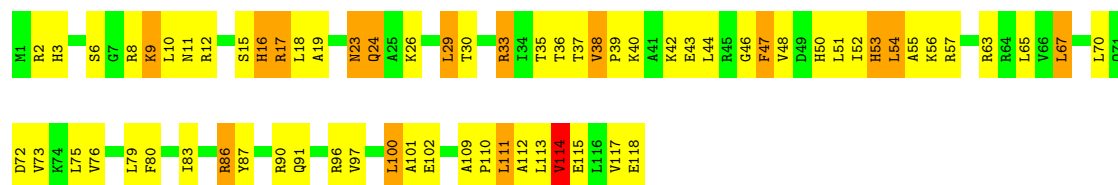
- Molecule 13: 50S ribosomal protein L17

Chain 1R: 



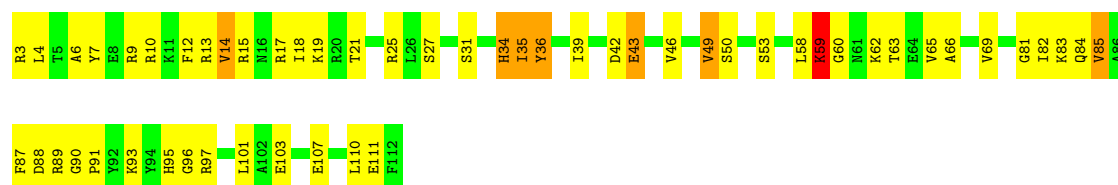
• Molecule 13: 50S ribosomal protein L17

Chain 2R: 



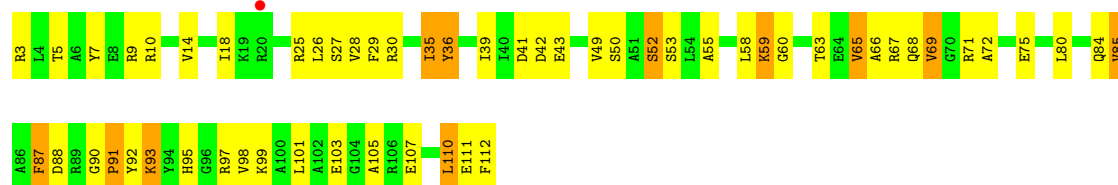
• Molecule 14: 50S ribosomal protein L18

Chain 1S: 



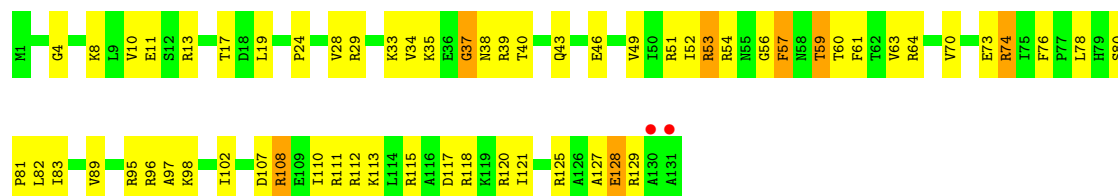
• Molecule 14: 50S ribosomal protein L18

Chain 2S: 



• Molecule 15: 50S ribosomal protein L19

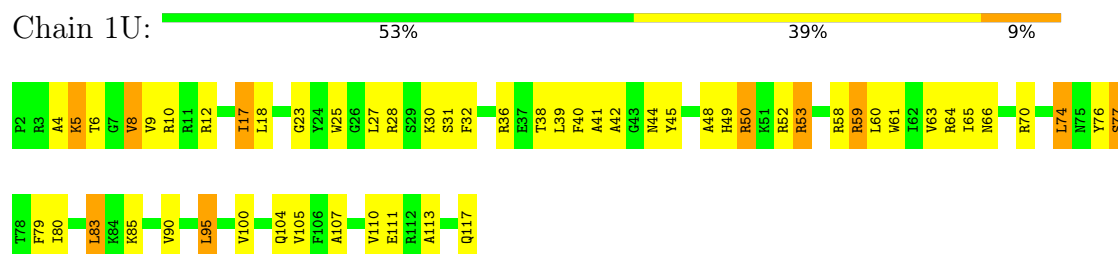
Chain 1T: 



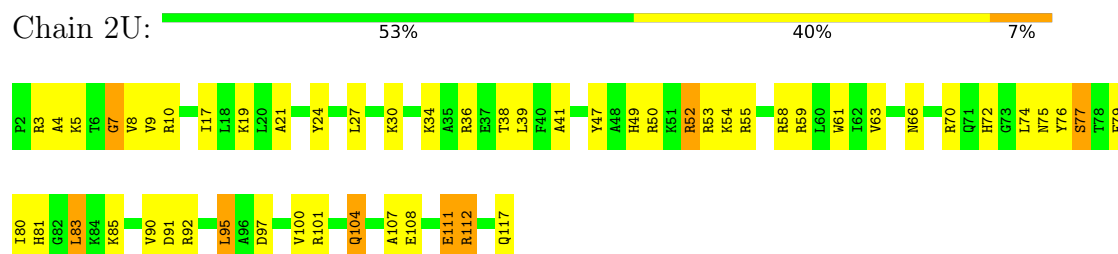
- Molecule 15: 50S ribosomal protein L19



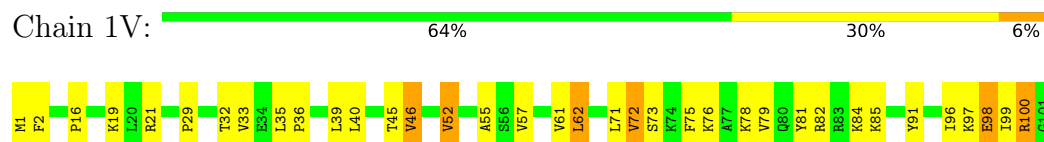
- Molecule 16: 50S ribosomal protein L20



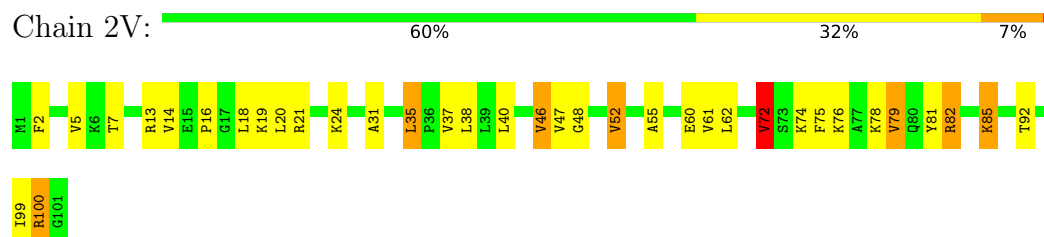
- Molecule 16: 50S ribosomal protein L20




- Molecule 17: 50S ribosomal protein L21



- Molecule 17: 50S ribosomal protein L21



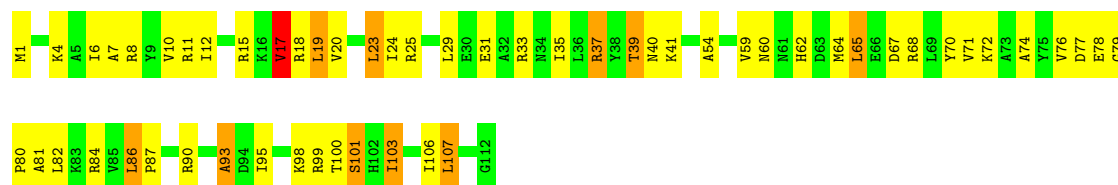
- Molecule 18: 50S ribosomal protein L22

Chain 1W: 



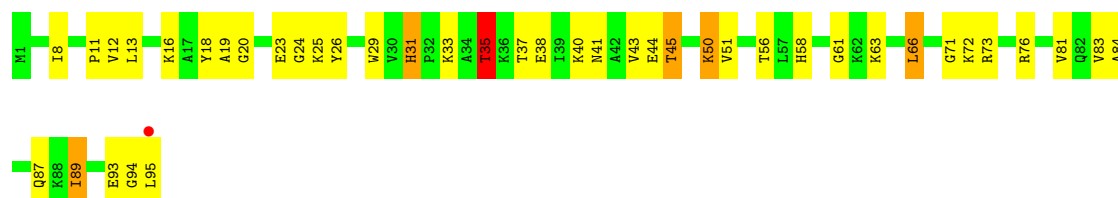
- Molecule 18: 50S ribosomal protein L22

Chain 2W: 



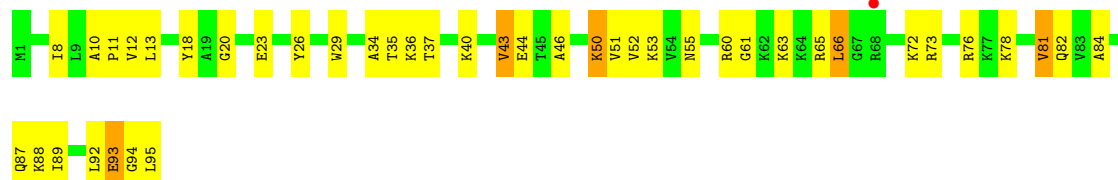
- Molecule 19: 50S ribosomal protein L23

Chain 1X: 



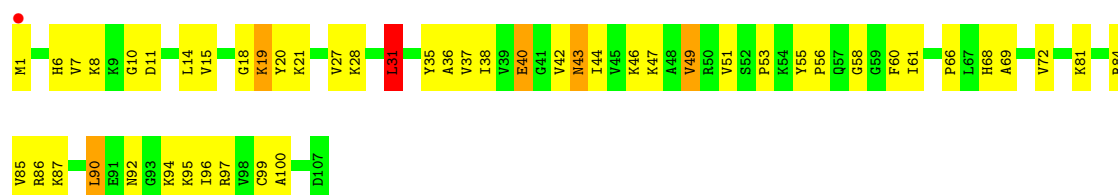
- Molecule 19: 50S ribosomal protein L23

Chain 2X: 

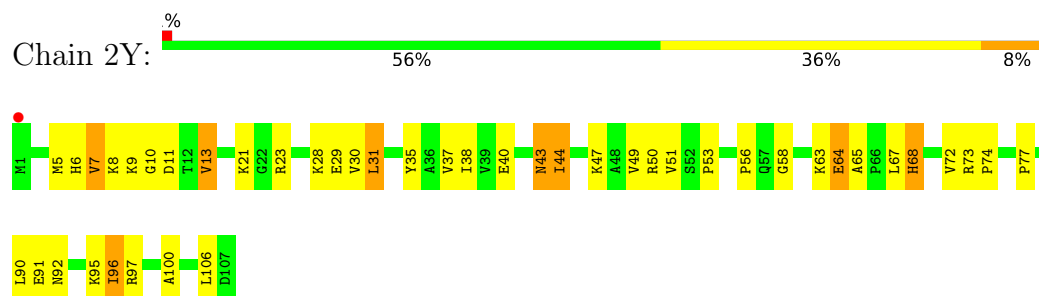


- Molecule 20: 50S ribosomal protein L24

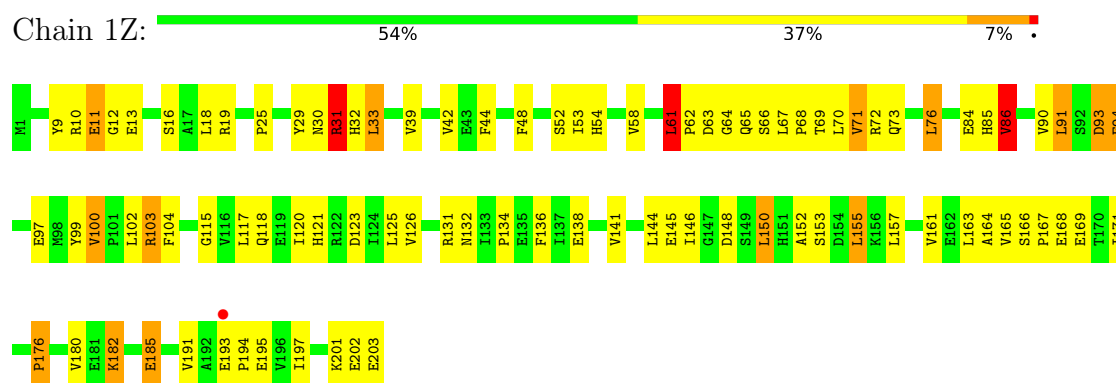
Chain 1Y: 



• Molecule 20: 50S ribosomal protein L24



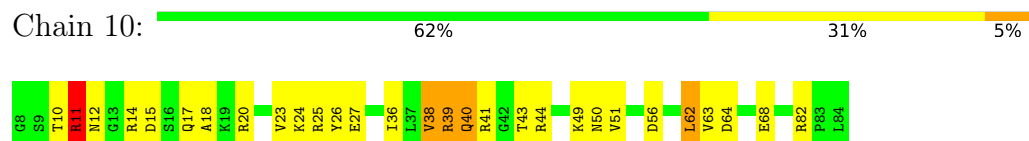
• Molecule 21: 50S ribosomal protein L25



• Molecule 21: 50S ribosomal protein L25



• Molecule 22: 50S ribosomal protein L27

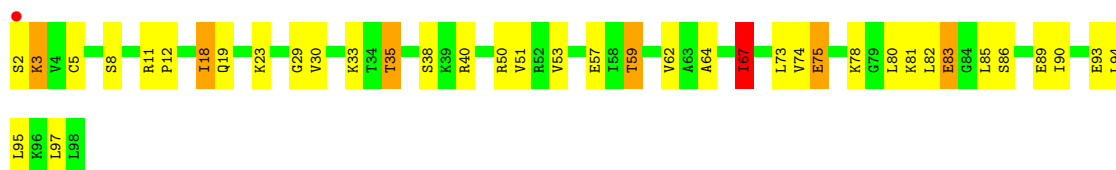


• Molecule 22: 50S ribosomal protein L27

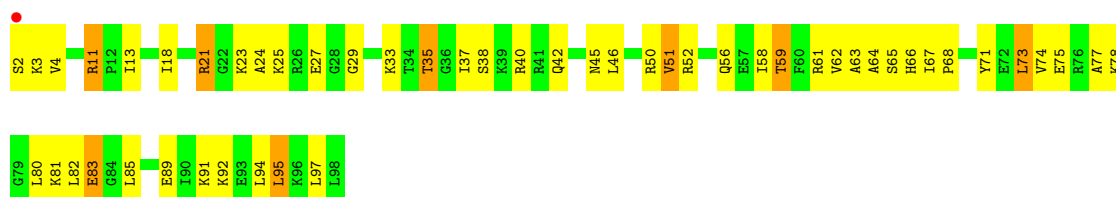




- Molecule 23: 50S ribosomal protein L28



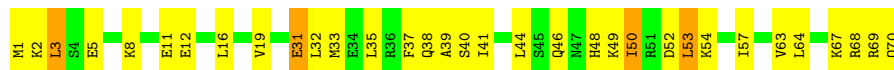
- Molecule 23: 50S ribosomal protein L28



- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29

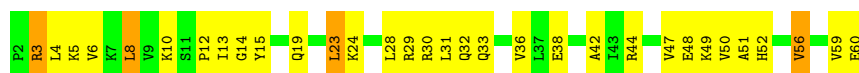


- Molecule 25: 50S ribosomal protein L30



- Molecule 25: 50S ribosomal protein L30

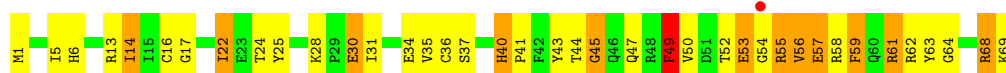
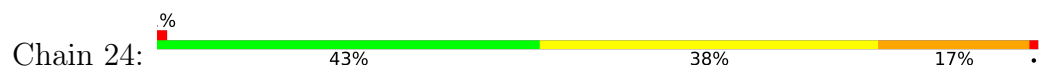




- Molecule 26: 50S ribosomal protein L31



- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



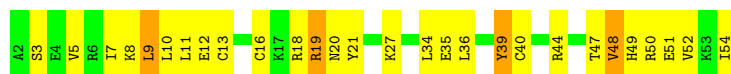
- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



- Molecule 29: 50S ribosomal protein L34

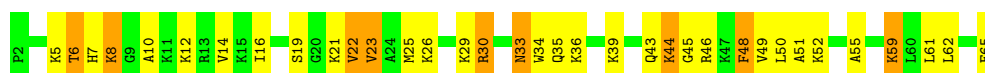




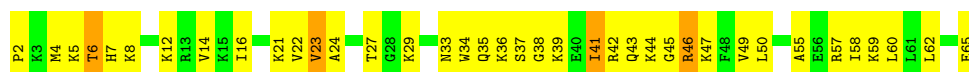
- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36



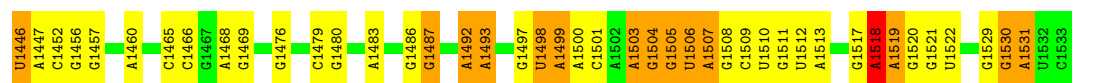
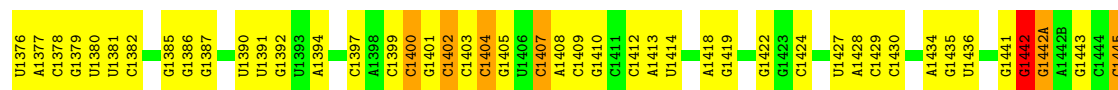
- Molecule 31: 50S ribosomal protein L36



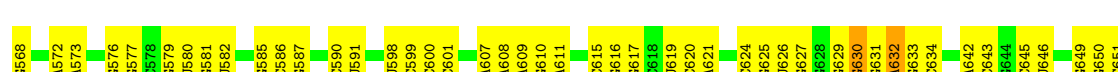
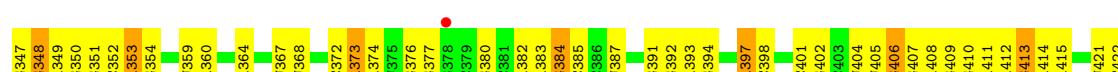
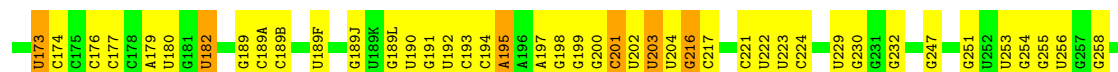
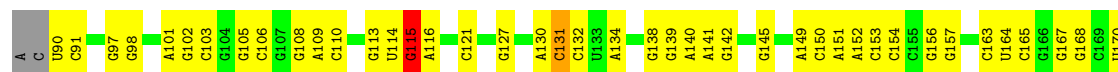
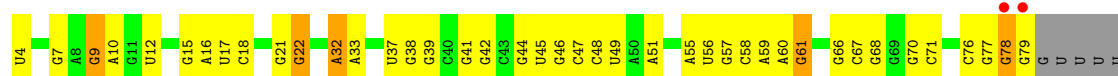
- Molecule 32: 16 ribosomal RNA

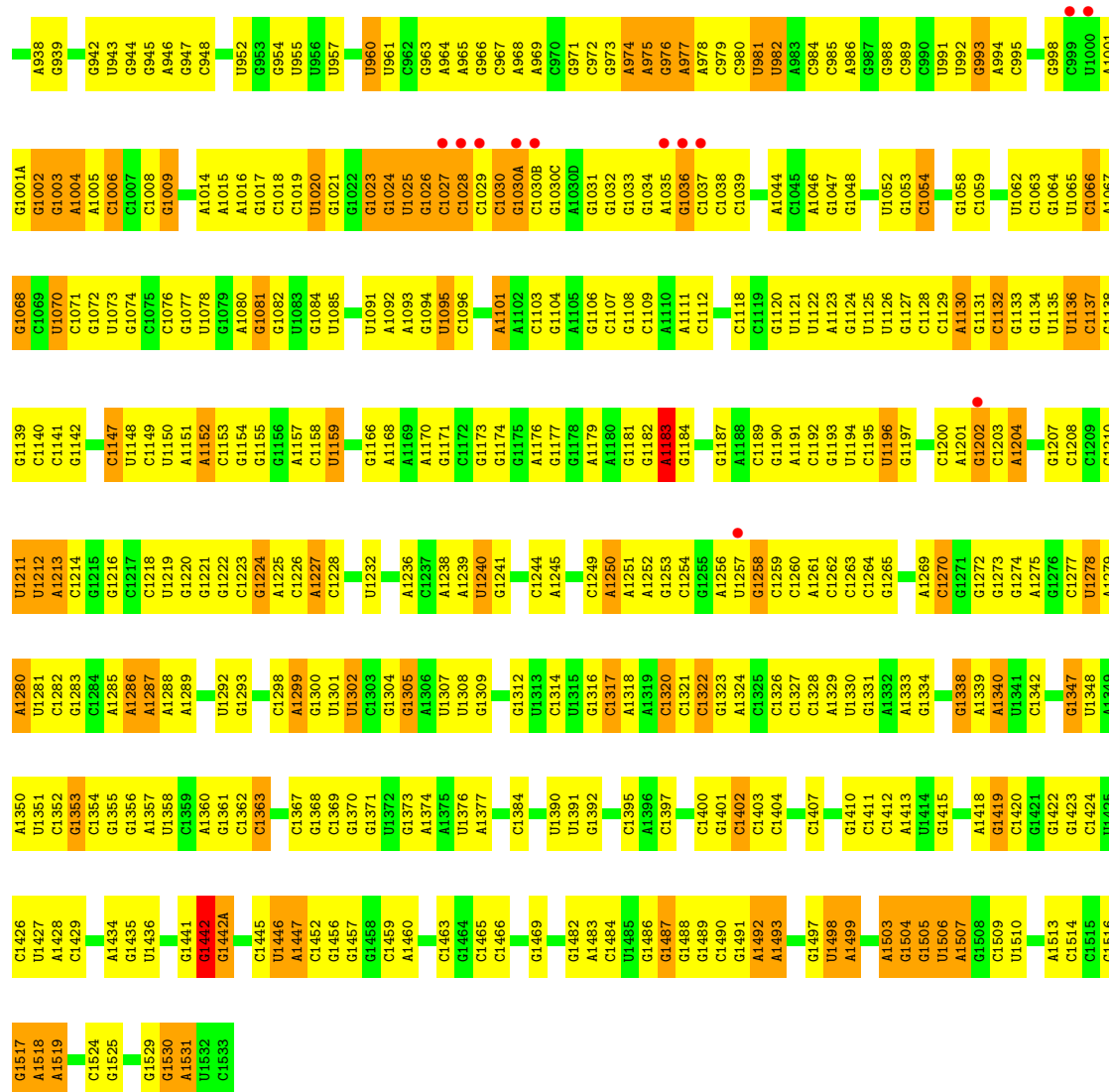


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C1244	C1172	C1096	C967	G894	C812	A621	G545	A461	C390	A298	U223	A161
A1245	A1176	G1099	A968	G895	U813	A622	C546	C470	G391	A702	C224	A162
C1246	G1177	C1100	A969	G896	A814	C624	A547	G471	G392	A300	C225	C163
A1250	G1178	A1101	G971	A900	A815	G625	U551	G472	G393	G309	G226	U164
A1251	A1179	A1102	C972	A901	A816	U626	U552	G473	G394	G310	G227	C165
A1252	A1180	C1103	G973	G902	C817	U627	U553	G474	A397	C311	G231	G166
C1253	A1181	G1034	A974	G903	A818	G628	U554	G475	C398	G312	G232	C167
C1254	G1182	A1035	A975	G904	A819	G629	U555	G476	C401	A313	G235	U170
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G1258	C1118	C980	U981	C910	U827	G633	U560	G484	G406	A321	C240	C175
C1259	A1119	A981	A981	A913	A828	C643	U561	G485	G407	C328	C241	C176
C1260	G1120	U982	A982	A914	G829	U634	C562	U486	A408	A329	G244	C177
A1261	U1121	A983	A983	A915	U830	A648	A563	A487	G409	A330	C245	C178
C1262	U1122	C984	C984	G916	U833	G649	C564	C488	G410	G331	G246	G181
C1263	A1123	C989	C989	G917	C934	G650	U565	G493	G411	G332	G247	U182
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G1265	U1125	C990	C990	U920	G836	U652	G567	A495	G413	U343	G251	G184
G1266	U1126	U991	U991	U921	G837	A653	G568	A496	G414	A344	U252	C186
C1267	G1127	U992	U992	U922	U838	G657	C569	U498	A415	U345	G253	C187
A1268	C1128	G993	G993	G923	U839	G658	U571	A499	U421	A346	U254	G188
A1269	C1129	A994	A994	A923	C940	U659	A572	G500	G424	G346	G255	G189
C1270	U1130	C995	C995	G926	U841	G660	A573	C501	U427	G347	U256	C189A
C1271	G1131	U996	U996	U927	C948	G661	A574	C502	G428	G348	G257	C189D
C1272	U1132	U997	U997	G928	U849	G662	G575	C503	A431	A349	G258	U189E
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C1277	G1137	G1003	G1003	C935	G859	G666	G585	C509	C436	G357	C267	U189K
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C1280	U1140	G1006	G1006	C940	C862	G671	C590	U516	C439	A360	A270	U192
C1281	C1141	U1007	U1007	U943	U863	U672	U591	G517	C442	G361	C277	C193
C1282	U1142	C1008	C1008	G944	A864	G673	G592	C518	C443	U365	G276	C194
C1283	C1143	G1009	G1009	G945	A865	G674	G593	C519	C444	C366	G279	A195
C1284	U1144	U1010	U1010	G946	A866	A675	U597	C520	G445	U367	C280	A196
C1285	U1145	A1011	A1011	A947	G867	U676	U598	G521	G446	G370	G284	G198
C1286	C1146	C1012	C1012	C948	C868	U677	C600	C522	C447	G371	G285	G199
C1287	U1147	U1013	U1013	A949	U870	C678	C601	A523	C448	G372	G286	G200
C1288	C1148	G1014	G1014	G950	U871	C679	A602	U527	G449	A373	G289	C201
C1289	U1149	A1015	A1015	G951	A872	U680	U603	G527	G450	A374	C290	U202
C1290	C1150	C1016	C1016	U952	A873	U681	U604	G530	G451	A375	C291	U203
C1291	A1151	U1017	U1017	G953	G874	U682	G604	U531	A452	U376	C292	U204
C1292	C1152	C1018	C1018	G954	C875	U683	G604	U532	C453	G377	G293	G216
C1293	U1153	G1019	G1019	U955	G876	U684	U604	U533	G454	G378	C294	C217
C1294	C1154	C1020	C1020	G956	C877	U685	U604	U534	C455	C379	U294	G220
C1295	U1155	U1021	U1021	U957	G878	U686	U604	U535	C456	G388	U296	C221
C1296	G1156	G1022	G1022	G958	G879	U687	U604	U536	C457	G389		
C1297	A1157	C1023	C1023	U959	C880	U688	U604	U537	G448	A448		
C1298	C1158	U1024	U1024	A959	A611	U689	U604	U538	G449	A449		
C1299	U1159	G1025	G1025	U960	A612	G690	U604	U539	G450	A450		
C1300	C1160	C1026	C1026	U961	A613	U691	U604	U540	G451	A451		
C1301	U1161	U1027	U1027	U962	C881	A777	U604	U541	A452	A452		
C1302	C1162	C1028	C1028	G962	C882	A790	U604	U542	C453	A453		
C1303	G1163	U1029	U1029	G963	C883	U793	U604	U543	C454	A454		
C1304	U1164	A1092	A1092	G964	C884	A794	U604	U544	C455	A455		
C1305	C1165	G1094	G1094	A965	C885		U604	U545	C456	A456		
C1306	U1166				C886		U604	U546	C457	A457		
C1307	C1167				C887		U604	U547	C458	A458		
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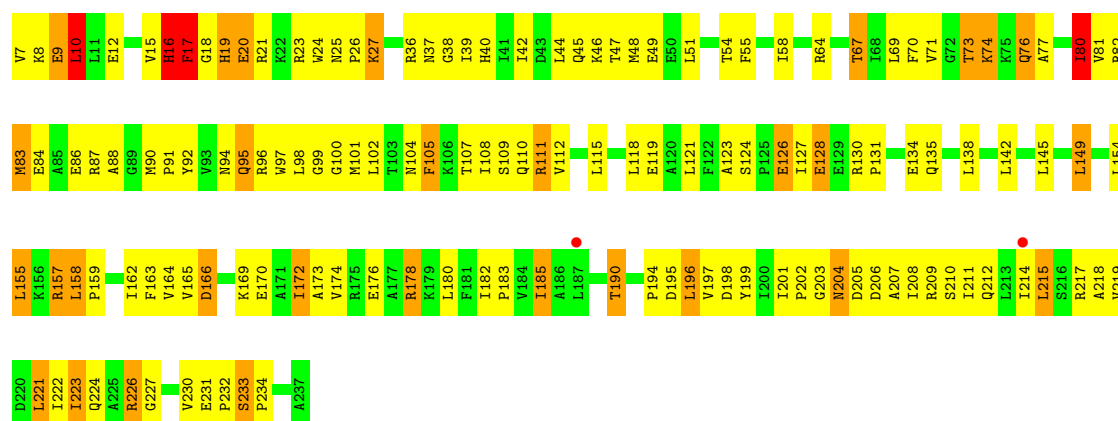


● Molecule 32: 16 ribosomal RNA

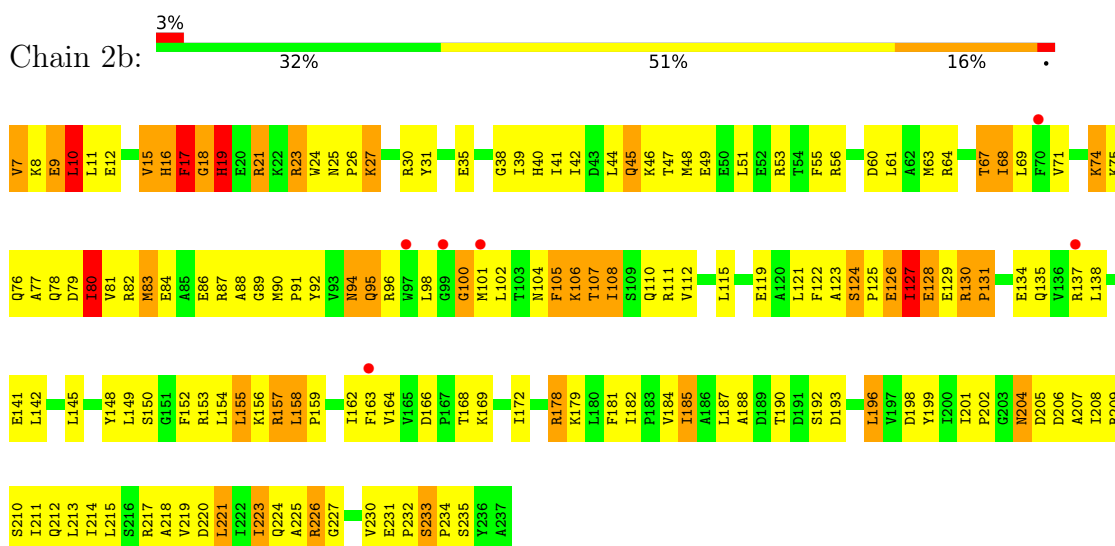




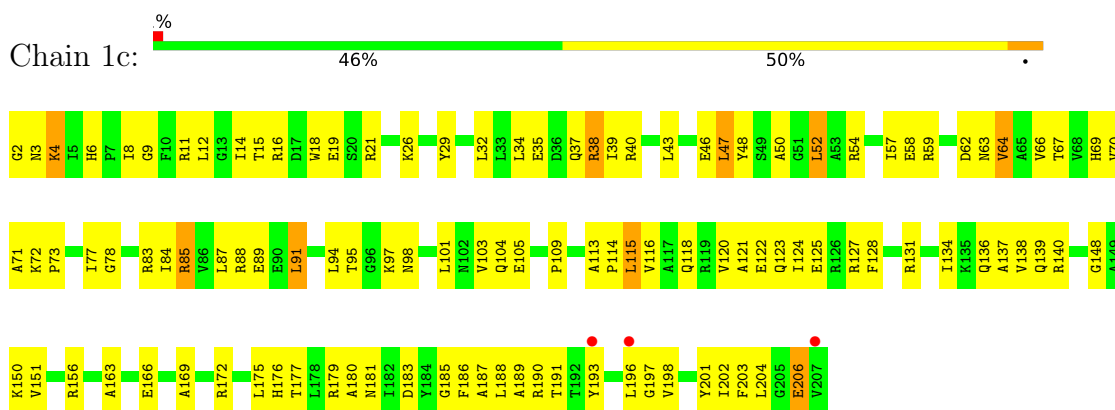
• Molecule 33: 30S ribosomal protein S2



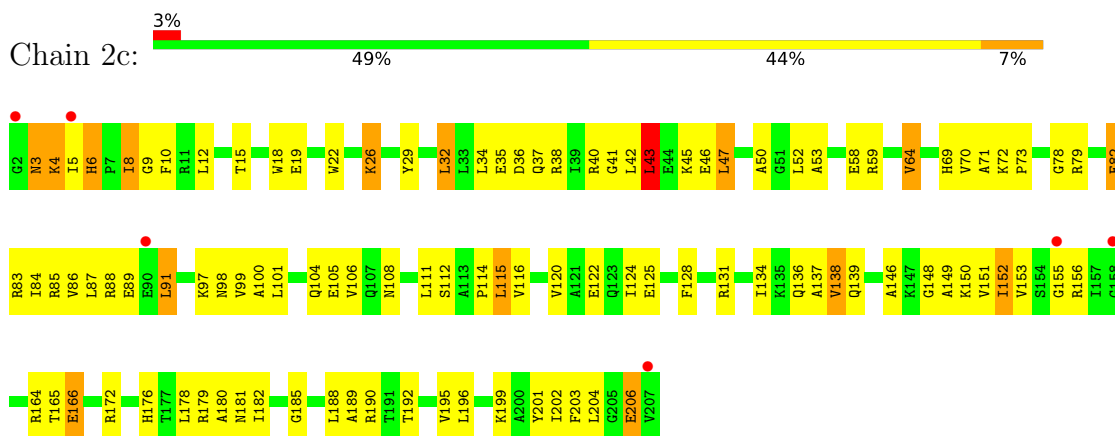
• Molecule 33: 30S ribosomal protein S2



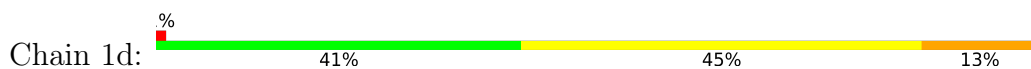
• Molecule 34: 30S ribosomal protein S3

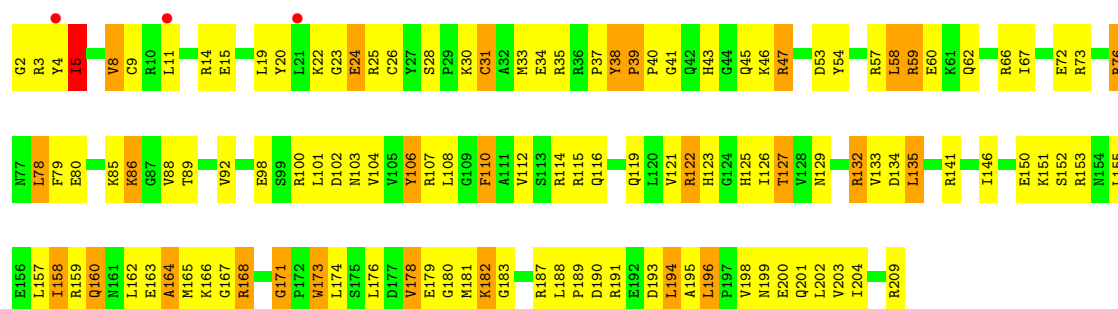


• Molecule 34: 30S ribosomal protein S3

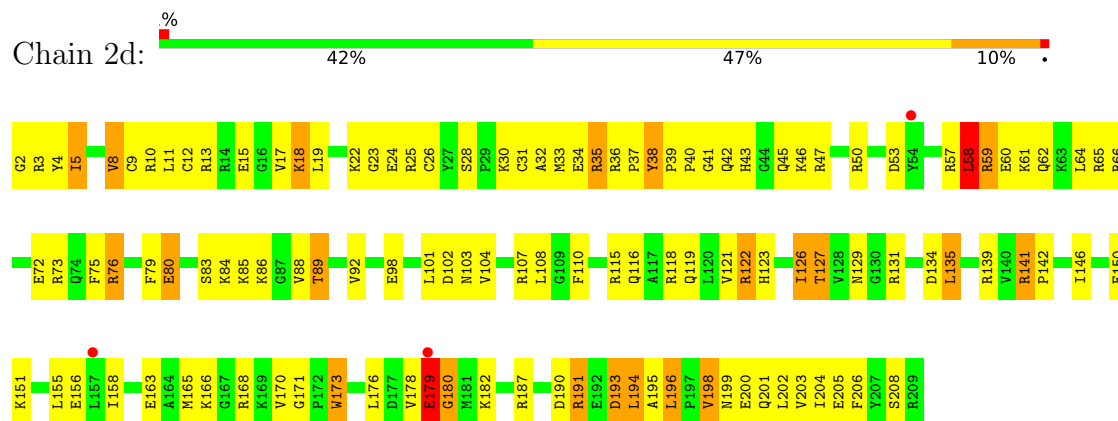


• Molecule 35: 30S ribosomal protein S4

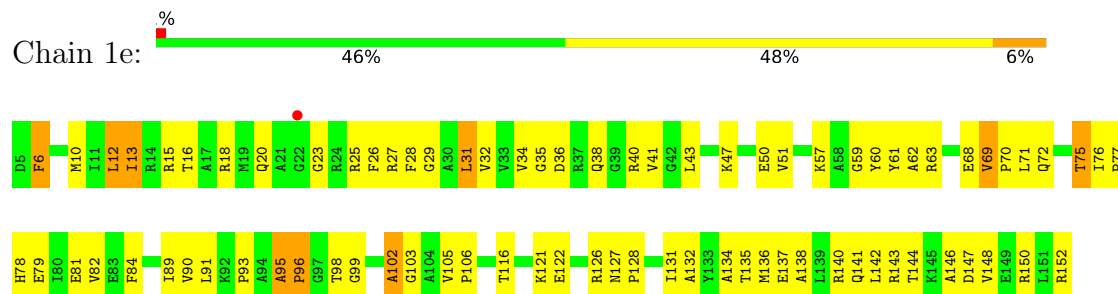




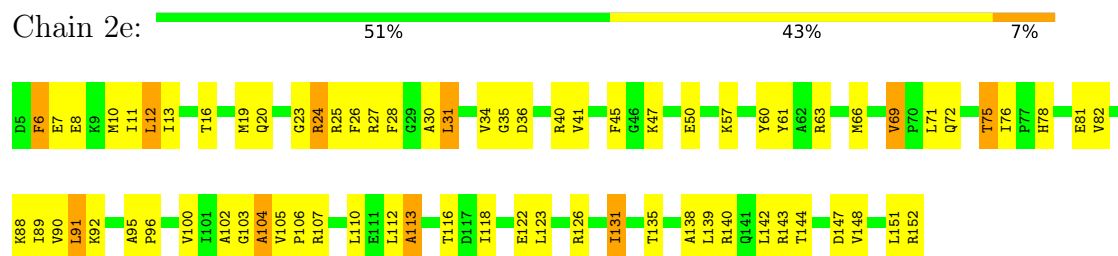
• Molecule 35: 30S ribosomal protein S4



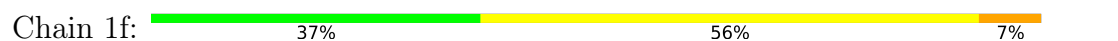
• Molecule 36: 30S ribosomal protein S5

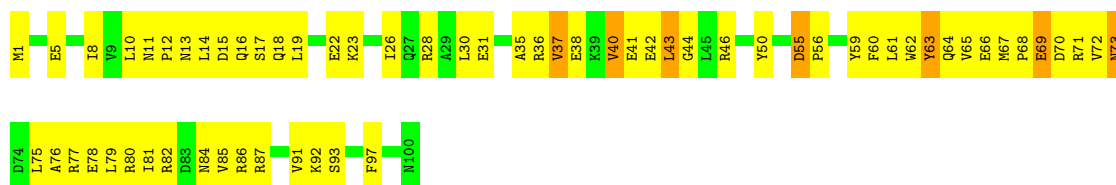


• Molecule 36: 30S ribosomal protein S5



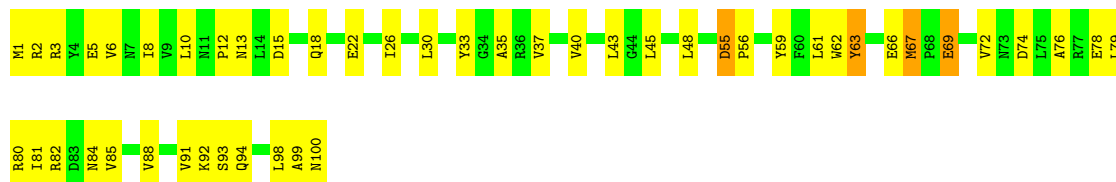
• Molecule 37: 30S ribosomal protein S6





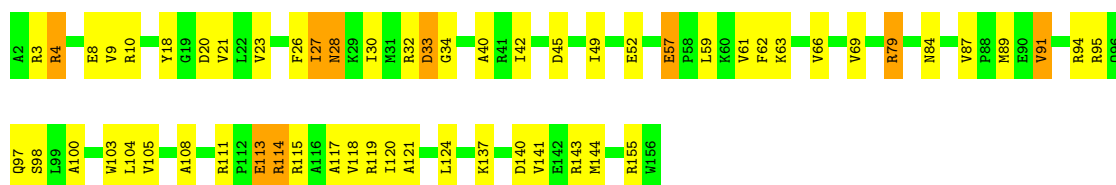
- Molecule 37: 30S ribosomal protein S6

Chain 2f: 52% 44%



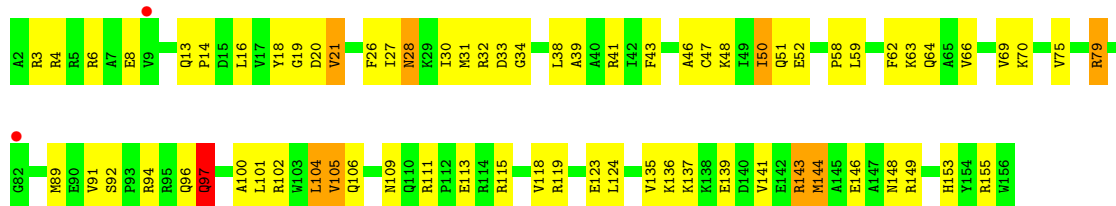
- Molecule 38: 30S ribosomal protein S7

Chain 1g: 63% 32% 6%



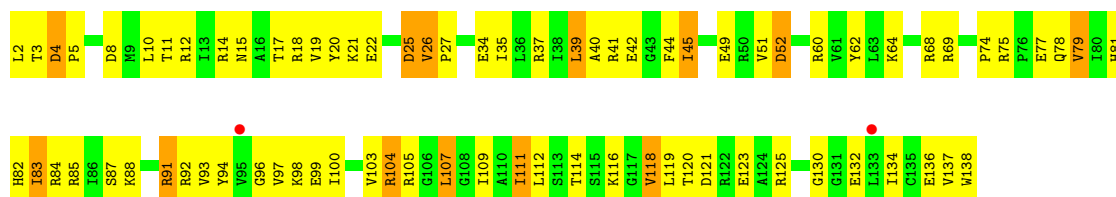
- Molecule 38: 30S ribosomal protein S7

Chain 2g: % 54% 40% 5%

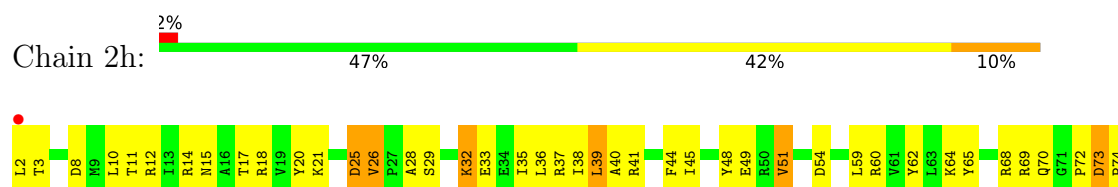


- Molecule 39: 30S ribosomal protein S8

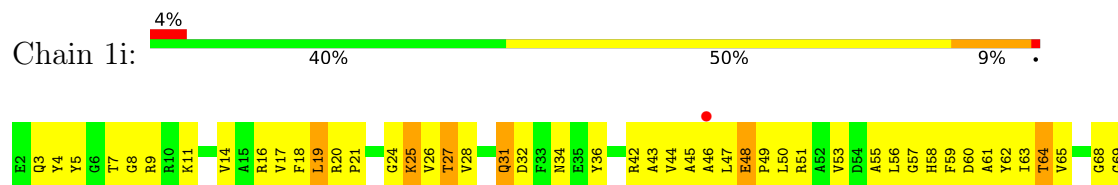
Chain 1h: % 43% 47% 9%



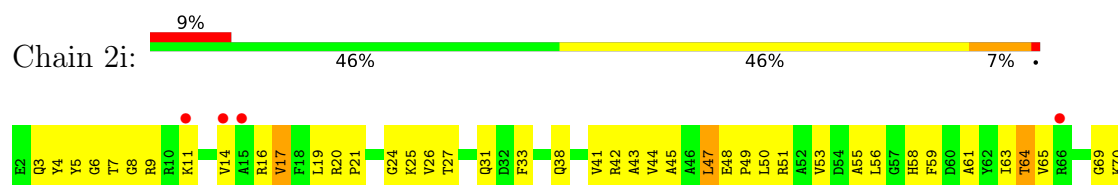
- Molecule 39: 30S ribosomal protein S8



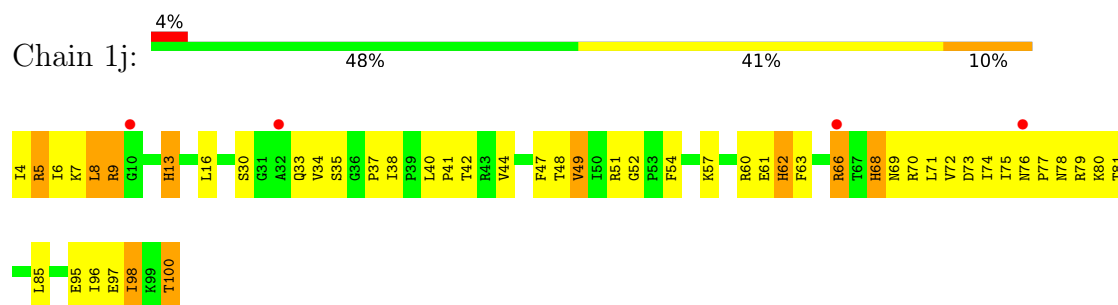
• Molecule 40: 30S ribosomal protein S9



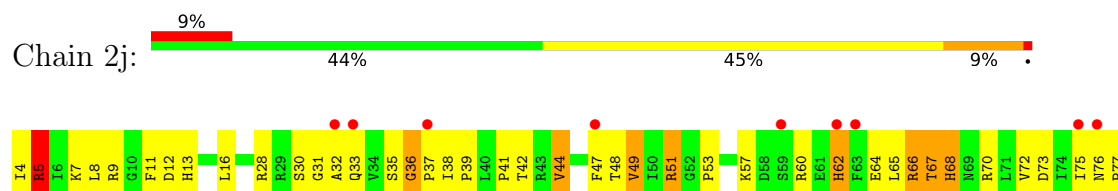
• Molecule 40: 30S ribosomal protein S9



• Molecule 41: 30S ribosomal protein S10



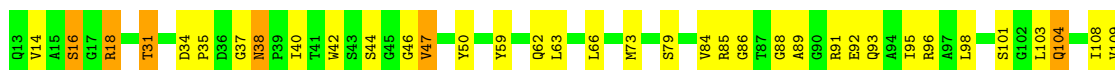
• Molecule 41: 30S ribosomal protein S10





- Molecule 42: 30S ribosomal protein S11

Chain 1k: 61% 32% 6%



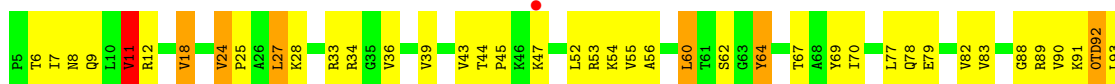
- Molecule 42: 30S ribosomal protein S11

Chain 2k: 54% 41% 5%



- Molecule 43: 30S ribosomal protein S12

Chain 1l: 57% 36% 7%



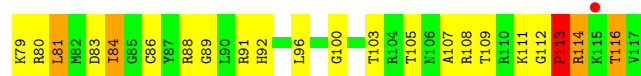
- Molecule 43: 30S ribosomal protein S12

Chain 2l: 61% 34% 5%

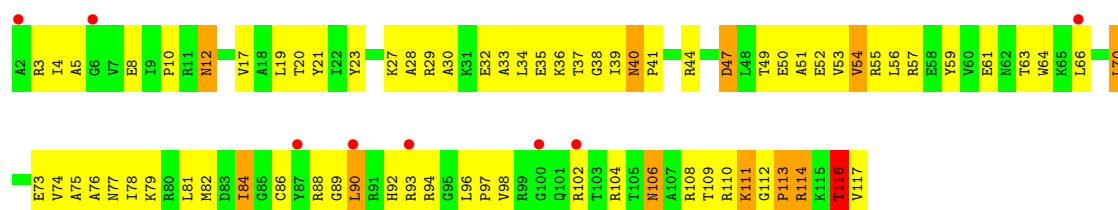


- Molecule 44: 30S ribosomal protein S13

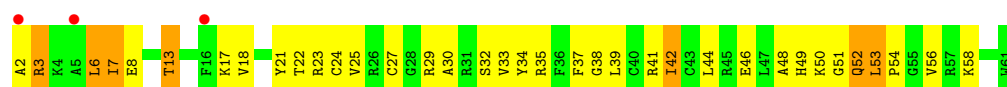
Chain 1m: 46% 45% 9%



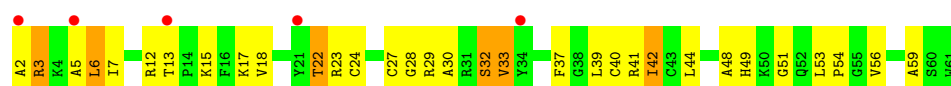
• Molecule 44: 30S ribosomal protein S13



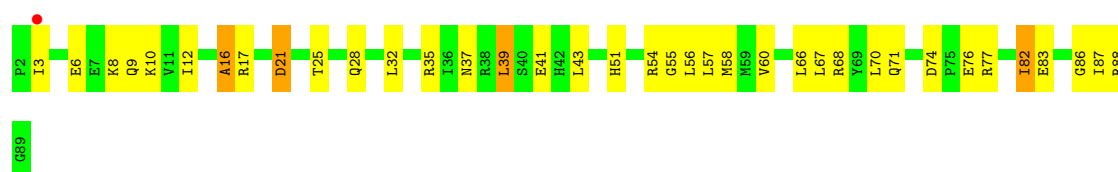
• Molecule 45: 30S ribosomal protein S14 type Z



• Molecule 45: 30S ribosomal protein S14 type Z



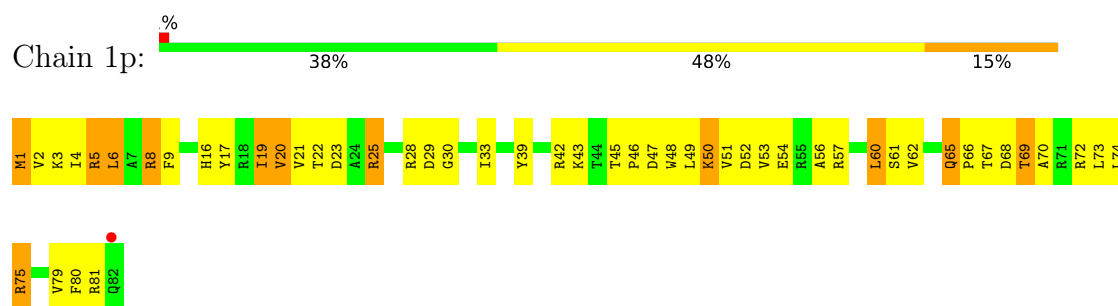
• Molecule 46: 30S ribosomal protein S15



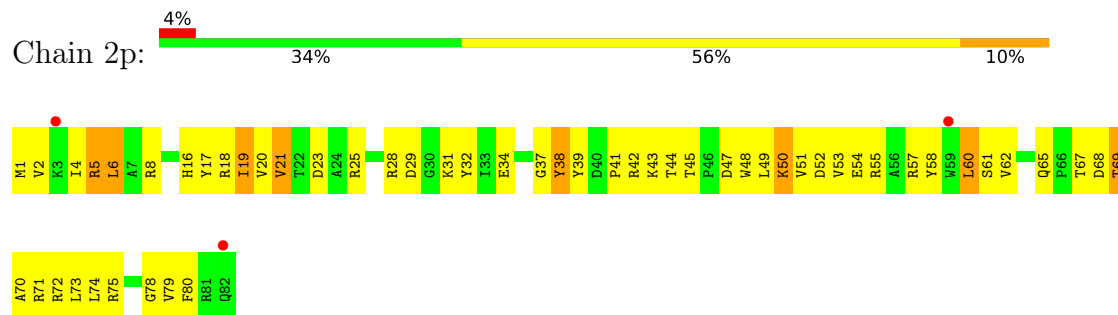
• Molecule 46: 30S ribosomal protein S15



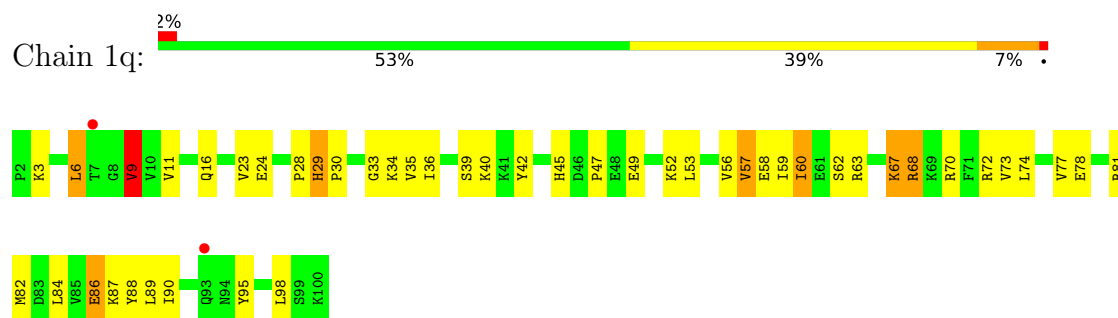
• Molecule 47: 30S ribosomal protein S16



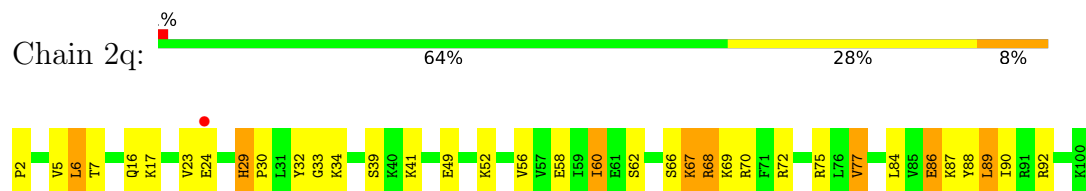
- Molecule 47: 30S ribosomal protein S16



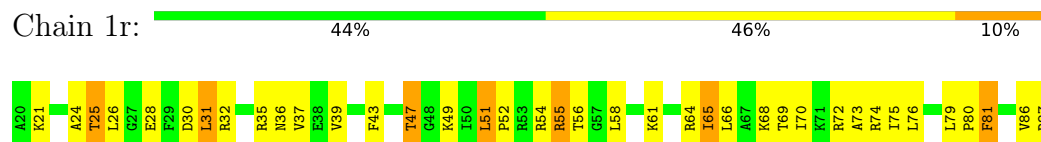
- Molecule 48: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S17



- Molecule 49: 30S ribosomal protein S18



- Molecule 49: 30S ribosomal protein S18





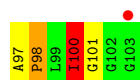
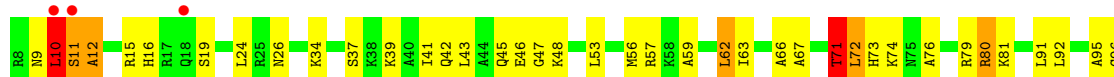
- Molecule 50: 30S ribosomal protein S19



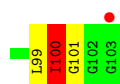
- Molecule 50: 30S ribosomal protein S19



- Molecule 51: 30S ribosomal protein S20



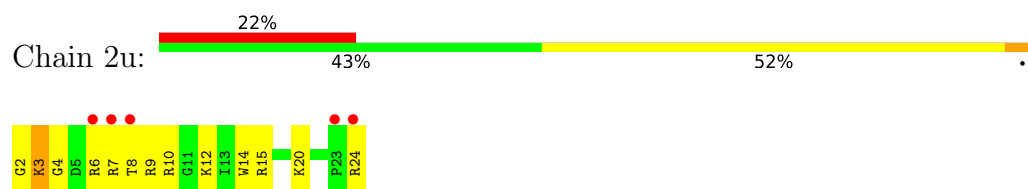
- Molecule 51: 30S ribosomal protein S20



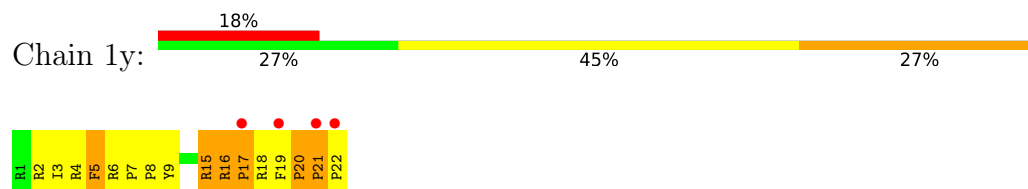
- Molecule 52: 30S ribosomal protein Thx



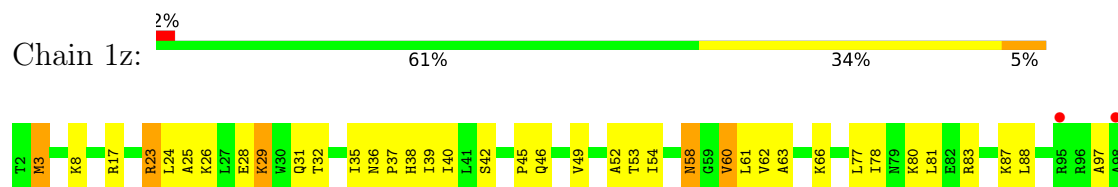
- Molecule 52: 30S ribosomal protein Thx



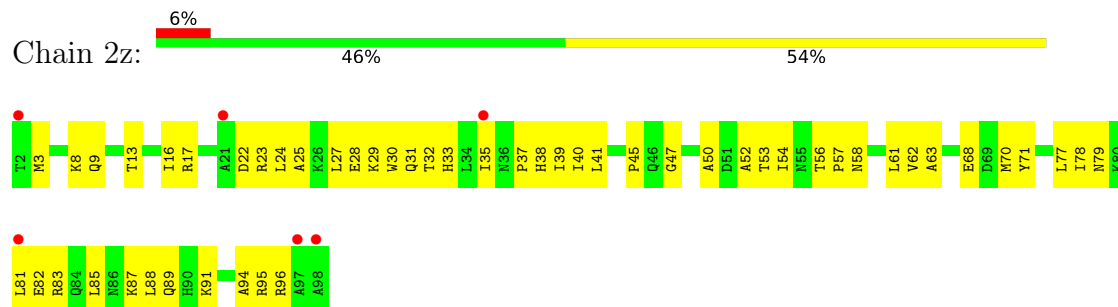
- Molecule 53: Tur1A peptide



- Molecule 54: Ribosome-associated inhibitor A



- Molecule 54: Ribosome-associated inhibitor A



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.68Å 449.25Å 621.90Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.76 – 3.20 49.76 – 3.20	Depositor EDS
% Data completeness (in resolution range)	98.6 (49.76-3.20) 98.6 (49.76-3.20)	Depositor EDS
R_{merge}	0.39	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.28 (at 3.19Å)	Xtriage
Refinement program	PHENIX 1.8.1_1168	Depositor
R, R_{free}	0.190 , 0.252 0.191 , 0.250	Depositor DCC
R_{free} test set	47082 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å ²)	75.9	Xtriage
Anisotropy	0.208	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.28 , 56.4	EDS
L-test for twinning ²	$\langle L \rangle = 0.46$, $\langle L^2 \rangle = 0.29$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	294294	wwPDB-VP
Average B, all atoms (Å ²)	57.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.68% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: 2MG, UR3, 2MA, 2MU, PSU, 5MC, 5MU, SF4, ZN, MA6, 4OC, M2G, MG, 0TD, 7MG, OMG

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	0.80	0/69032	0.95	43/107750 (0.0%)
1	2A	0.63	0/69032	0.84	20/107750 (0.0%)
2	1B	0.66	0/2879	0.90	1/4490 (0.0%)
2	2B	0.58	0/2879	0.84	0/4490
3	1D	1.25	3/2181 (0.1%)	1.50	24/2940 (0.8%)
3	2D	1.06	2/2181 (0.1%)	1.42	22/2940 (0.7%)
4	1E	1.26	8/1592 (0.5%)	1.48	17/2149 (0.8%)
4	2E	1.06	3/1592 (0.2%)	1.41	12/2149 (0.6%)
5	1F	1.19	3/1619 (0.2%)	1.41	15/2193 (0.7%)
5	2F	0.87	0/1619	1.29	12/2193 (0.5%)
6	1G	0.82	0/1451	1.24	11/1961 (0.6%)
6	2G	0.78	0/1451	1.31	12/1961 (0.6%)
7	1H	1.11	0/1356	1.51	21/1834 (1.1%)
7	2H	0.90	0/1356	1.26	9/1834 (0.5%)
8	1I	0.88	0/1109	1.34	13/1512 (0.9%)
8	2I	0.98	1/1109 (0.1%)	1.44	14/1512 (0.9%)
9	1N	1.22	3/1148 (0.3%)	1.47	11/1547 (0.7%)
9	2N	0.91	2/1148 (0.2%)	1.45	18/1547 (1.2%)
10	1O	1.23	4/943 (0.4%)	1.41	8/1269 (0.6%)
10	2O	1.06	1/943 (0.1%)	1.37	7/1269 (0.6%)
11	1P	1.16	3/1152 (0.3%)	1.38	9/1533 (0.6%)
11	2P	0.90	0/1152	1.32	9/1533 (0.6%)
12	1Q	1.12	2/1143 (0.2%)	1.32	3/1527 (0.2%)
12	2Q	0.93	1/1143 (0.1%)	1.30	6/1527 (0.4%)
13	1R	1.26	4/982 (0.4%)	1.40	10/1312 (0.8%)
13	2R	0.95	0/982	1.33	8/1312 (0.6%)
14	1S	1.01	0/887	1.24	4/1180 (0.3%)
14	2S	0.88	1/887 (0.1%)	1.31	6/1180 (0.5%)
15	1T	1.20	3/1105 (0.3%)	1.43	7/1477 (0.5%)
15	2T	0.99	1/1105 (0.1%)	1.35	6/1477 (0.4%)
16	1U	1.32	4/977 (0.4%)	1.40	7/1301 (0.5%)
16	2U	0.95	0/977	1.27	3/1301 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	1V	1.16	1/786 (0.1%)	1.46	5/1053 (0.5%)
17	2V	0.92	1/786 (0.1%)	1.25	1/1053 (0.1%)
18	1W	1.37	4/897 (0.4%)	1.51	7/1205 (0.6%)
18	2W	1.16	4/897 (0.4%)	1.43	6/1205 (0.5%)
19	1X	1.27	2/764 (0.3%)	1.36	6/1025 (0.6%)
19	2X	1.03	0/764	1.36	6/1025 (0.6%)
20	1Y	1.15	1/823 (0.1%)	1.36	4/1099 (0.4%)
20	2Y	0.91	0/823	1.41	12/1099 (1.1%)
21	1Z	0.96	2/1620 (0.1%)	1.32	15/2200 (0.7%)
21	2Z	0.84	0/1620	1.35	18/2200 (0.8%)
22	10	1.17	0/616	1.43	6/821 (0.7%)
22	20	0.96	0/616	1.34	6/821 (0.7%)
23	11	1.26	2/761 (0.3%)	1.38	6/1013 (0.6%)
23	21	1.02	0/761	1.31	7/1013 (0.7%)
24	12	1.07	0/590	1.24	2/781 (0.3%)
24	22	0.84	0/590	1.20	3/781 (0.4%)
25	13	1.20	1/474 (0.2%)	1.32	3/635 (0.5%)
25	23	0.84	0/474	1.26	1/635 (0.2%)
26	14	0.80	1/559 (0.2%)	1.32	7/754 (0.9%)
26	24	0.91	0/559	1.33	7/754 (0.9%)
27	15	1.25	0/473	1.52	8/639 (1.3%)
27	25	1.00	0/473	1.32	1/639 (0.2%)
28	16	1.02	1/460 (0.2%)	1.24	1/613 (0.2%)
28	26	0.89	0/460	1.21	1/613 (0.2%)
29	17	1.26	1/426 (0.2%)	1.35	3/561 (0.5%)
29	27	1.05	0/426	1.39	5/561 (0.9%)
30	18	1.26	1/525 (0.2%)	1.43	8/691 (1.2%)
30	28	0.98	1/525 (0.2%)	1.33	4/691 (0.6%)
31	19	1.10	0/310	1.43	5/407 (1.2%)
31	29	0.97	0/310	1.36	3/407 (0.7%)
32	1a	0.54	1/35795 (0.0%)	0.75	9/55864 (0.0%)
32	2a	0.52	1/35795 (0.0%)	0.74	9/55864 (0.0%)
33	1b	0.77	0/1876	1.29	18/2533 (0.7%)
33	2b	0.77	0/1876	1.32	14/2533 (0.6%)
34	1c	0.71	0/1582	1.13	5/2137 (0.2%)
34	2c	0.74	0/1582	1.21	8/2137 (0.4%)
35	1d	0.78	0/1695	1.19	8/2274 (0.4%)
35	2d	0.78	0/1695	1.29	14/2274 (0.6%)
36	1e	0.86	0/1149	1.23	11/1548 (0.7%)
36	2e	0.83	0/1149	1.31	13/1548 (0.8%)
37	1f	0.85	0/827	1.24	4/1120 (0.4%)
37	2f	0.82	0/827	1.23	7/1120 (0.6%)
38	1g	0.71	0/1254	1.10	3/1683 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	2g	0.69	0/1254	1.22	9/1683 (0.5%)
39	1h	0.82	0/1118	1.26	10/1506 (0.7%)
39	2h	0.74	0/1118	1.27	10/1506 (0.7%)
40	1i	0.72	0/1005	1.16	4/1351 (0.3%)
40	2i	0.74	0/1005	1.19	5/1351 (0.4%)
41	1j	0.81	0/732	1.27	7/993 (0.7%)
41	2j	0.74	0/732	1.25	6/993 (0.6%)
42	1k	0.84	0/849	1.25	5/1150 (0.4%)
42	2k	0.82	0/849	1.19	2/1150 (0.2%)
43	1l	0.84	0/937	1.28	9/1260 (0.7%)
43	2l	0.85	0/937	1.21	9/1260 (0.7%)
44	1m	0.69	0/924	1.15	7/1242 (0.6%)
44	2m	0.83	0/924	1.32	7/1242 (0.6%)
45	1n	0.67	0/501	1.19	5/664 (0.8%)
45	2n	0.71	0/501	1.08	0/664
46	1o	0.84	0/739	1.18	4/985 (0.4%)
46	2o	0.78	0/739	1.19	3/985 (0.3%)
47	1p	0.78	0/697	1.21	6/939 (0.6%)
47	2p	0.82	0/697	1.15	1/939 (0.1%)
48	1q	0.82	0/836	1.26	8/1117 (0.7%)
48	2q	0.78	0/836	1.18	4/1117 (0.4%)
49	1r	0.83	0/560	1.21	5/746 (0.7%)
49	2r	0.85	0/560	1.17	2/746 (0.3%)
50	1s	0.72	0/663	1.15	3/895 (0.3%)
50	2s	0.81	0/663	1.16	6/895 (0.7%)
51	1t	0.83	0/734	1.31	6/969 (0.6%)
51	2t	0.79	0/734	1.19	2/969 (0.2%)
52	1u	0.62	0/203	1.11	0/266
52	2u	0.64	0/203	1.14	0/266
53	1y	1.28	2/177 (1.1%)	1.54	2/245 (0.8%)
54	1z	0.82	1/776 (0.1%)	1.29	6/1048 (0.6%)
54	2z	0.93	0/776	1.28	2/1048 (0.2%)
All	All	0.76	77/310361 (0.0%)	1.00	813/463769 (0.2%)

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
4	1E	0	1
4	2E	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
14	1S	0	1
14	2S	0	1
15	1T	0	1
15	2T	0	1
19	1X	0	1
19	2X	0	1
33	2b	0	1
44	1m	0	1
44	2m	0	1
53	1y	0	1
All	All	0	12

The worst 5 of 77 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	1R	38	VAL	CA-CB	-11.51	1.46	1.53
8	2I	108	THR	CA-CB	8.97	1.67	1.53
9	1N	85	ILE	CA-CB	-8.87	1.46	1.54
23	11	67	ILE	CA-CB	-7.69	1.50	1.54
5	1F	73	ALA	CA-CB	-7.54	1.42	1.53

The worst 5 of 813 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
33	2b	158	LEU	CA-C-N	12.78	132.93	119.90
33	2b	158	LEU	C-N-CA	12.78	132.93	119.90
21	2Z	94	GLU	CA-C-N	-11.16	109.47	120.52
21	2Z	94	GLU	C-N-CA	-11.16	109.47	120.52
9	2N	125	GLY	CA-C-N	10.95	131.32	119.28

There are no chirality outliers.

5 of 12 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
4	1E	11	MET	Peptide
14	1S	58	LEU	Peptide
15	1T	128	GLU	Peptide
19	1X	93	GLU	Peptide
44	1m	113	PRO	Peptide

5.2 Too-close contacts

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61872	0	31187	1114	0
1	2A	61872	0	31190	1378	0
2	1B	2575	0	1304	59	0
2	2B	2575	0	1304	66	0
3	1D	2131	0	2207	95	0
3	2D	2131	0	2207	76	0
4	1E	1559	0	1618	66	0
4	2E	1559	0	1618	78	0
5	1F	1584	0	1625	62	0
5	2F	1584	0	1624	73	0
6	1G	1426	0	1445	85	0
6	2G	1426	0	1445	91	0
7	1H	1330	0	1407	50	0
7	2H	1330	0	1407	70	0
8	1I	1094	0	1127	49	1
8	2I	1094	0	1127	70	0
9	1N	1121	0	1195	33	0
9	2N	1121	0	1195	44	0
10	1O	933	0	996	28	0
10	2O	933	0	996	37	0
11	1P	1135	0	1212	71	0
11	2P	1135	0	1212	53	0
12	1Q	1122	0	1179	46	0
12	2Q	1122	0	1179	57	0
13	1R	968	0	1033	47	0
13	2R	968	0	1033	57	0
14	1S	877	0	938	44	0
14	2S	877	0	938	48	0
15	1T	1091	0	1151	41	0
15	2T	1091	0	1151	54	0
16	1U	959	0	1019	34	0
16	2U	959	0	1019	47	0
17	1V	775	0	841	23	0
17	2V	775	0	841	29	0
18	1W	886	0	940	33	0
18	2W	886	0	940	40	0
19	1X	750	0	814	32	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	2X	750	0	814	25	0
20	1Y	810	0	892	26	0
20	2Y	810	0	892	29	0
21	1Z	1587	0	1598	62	0
21	2Z	1587	0	1598	70	0
22	10	608	0	622	26	0
22	20	608	0	622	26	0
23	11	754	0	823	27	0
23	21	754	0	823	42	0
24	12	588	0	643	19	0
24	22	588	0	643	24	0
25	13	469	0	518	24	0
25	23	469	0	517	28	0
26	14	546	0	522	43	0
26	24	546	0	522	34	0
27	15	459	0	476	23	0
27	25	459	0	476	27	0
28	16	453	0	473	20	0
28	26	453	0	473	22	0
29	17	418	0	467	12	0
29	27	418	0	467	26	0
30	18	517	0	582	30	0
30	28	517	0	582	33	0
31	19	307	0	335	8	0
31	29	307	0	335	14	0
32	1a	32246	0	16296	813	0
32	2a	32246	0	16294	778	1
33	1b	1842	0	1862	119	0
33	2b	1842	0	1862	123	0
34	1c	1558	0	1557	81	0
34	2c	1558	0	1557	91	0
35	1d	1665	0	1687	114	0
35	2d	1665	0	1687	113	0
36	1e	1133	0	1190	47	0
36	2e	1133	0	1191	48	0
37	1f	814	0	808	47	0
37	2f	814	0	808	28	0
38	1g	1235	0	1249	40	0
38	2g	1235	0	1249	46	0
39	1h	1098	0	1143	64	0
39	2h	1098	0	1143	61	0
40	1i	986	0	990	61	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
40	2i	986	0	990	61	0
41	1j	719	0	672	54	0
41	2j	719	0	672	46	0
42	1k	834	0	838	32	0
42	2k	834	0	838	33	0
43	1l	932	0	981	39	0
43	2l	932	0	981	31	0
44	1m	914	0	954	59	0
44	2m	914	0	954	63	0
45	1n	492	0	529	33	0
45	2n	492	0	529	34	0
46	1o	728	0	760	27	0
46	2o	728	0	760	29	0
47	1p	681	0	697	52	0
47	2p	681	0	697	41	0
48	1q	823	0	891	38	0
48	2q	823	0	891	36	0
49	1r	555	0	618	27	0
49	2r	555	0	618	24	0
50	1s	648	0	658	32	0
50	2s	648	0	658	43	0
51	1t	732	0	809	29	0
51	2t	732	0	809	31	0
52	1u	199	0	208	14	0
52	2u	199	0	208	13	0
53	1y	168	0	163	13	0
54	1z	764	0	786	34	0
54	2z	764	0	786	46	0
55	10	7	0	0	0	0
55	11	4	0	0	0	0
55	13	2	0	0	0	0
55	15	5	0	0	0	0
55	17	2	0	0	0	0
55	18	3	0	0	0	0
55	19	3	0	0	0	0
55	1A	957	0	0	0	0
55	1B	28	0	0	0	0
55	1D	17	0	0	0	0
55	1E	5	0	0	0	0
55	1F	14	0	0	0	0
55	1G	3	0	0	0	0
55	1H	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	1N	4	0	0	0	0
55	1P	4	0	0	0	0
55	1Q	4	0	0	0	0
55	1R	4	0	0	0	0
55	1T	2	0	0	0	0
55	1U	5	0	0	0	0
55	1V	3	0	0	0	0
55	1W	3	0	0	0	0
55	1X	2	0	0	0	0
55	1Y	1	0	0	0	0
55	1a	245	0	0	0	0
55	1b	1	0	0	0	0
55	1d	5	0	0	0	0
55	1e	1	0	0	0	0
55	1f	1	0	0	0	0
55	1g	1	0	0	0	0
55	1h	1	0	0	0	0
55	1i	1	0	0	0	0
55	1k	1	0	0	0	0
55	1l	2	0	0	0	0
55	1n	1	0	0	0	0
55	1o	2	0	0	0	0
55	1t	1	0	0	0	0
55	20	5	0	0	0	0
55	21	1	0	0	0	0
55	23	2	0	0	0	0
55	25	4	0	0	0	0
55	27	2	0	0	0	0
55	28	2	0	0	0	0
55	29	3	0	0	0	0
55	2A	971	0	0	0	0
55	2B	26	0	0	0	0
55	2D	17	0	0	0	0
55	2E	6	0	0	0	0
55	2F	11	0	0	0	0
55	2G	3	0	0	0	0
55	2H	2	0	0	0	0
55	2N	3	0	0	0	0
55	2P	2	0	0	0	0
55	2Q	4	0	0	0	0
55	2R	3	0	0	0	0
55	2S	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	2T	3	0	0	0	0
55	2U	5	0	0	0	0
55	2V	5	0	0	0	0
55	2W	3	0	0	0	0
55	2X	2	0	0	0	0
55	2Y	1	0	0	0	0
55	2a	242	0	0	0	0
55	2b	1	0	0	0	0
55	2d	3	0	0	0	0
55	2e	1	0	0	0	0
55	2f	1	0	0	0	0
55	2g	1	0	0	0	0
55	2h	2	0	0	0	0
55	2i	1	0	0	0	0
55	2l	2	0	0	0	0
55	2o	2	0	0	0	0
55	2t	2	0	0	0	0
55	2z	2	0	0	0	0
56	14	1	0	0	0	0
56	15	1	0	0	0	0
56	16	1	0	0	0	0
56	19	1	0	0	0	0
56	1Y	1	0	0	0	0
56	1n	1	0	0	0	0
56	24	1	0	0	0	0
56	25	1	0	0	0	0
56	26	1	0	0	0	0
56	29	1	0	0	0	0
56	2Y	1	0	0	0	0
56	2n	1	0	0	0	0
57	1d	8	0	0	0	0
57	2d	8	0	0	2	0
58	10	6	0	0	1	0
58	11	2	0	0	0	0
58	13	2	0	0	0	0
58	15	2	0	0	0	0
58	16	2	0	0	0	0
58	17	2	0	0	0	0
58	18	9	0	0	0	0
58	19	2	0	0	0	0
58	1A	1782	0	0	11	0
58	1B	45	0	0	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
58	1D	15	0	0	1	0
58	1E	18	0	0	0	0
58	1F	14	0	0	0	0
58	1G	2	0	0	0	0
58	1H	5	0	0	0	0
58	1N	7	0	0	0	0
58	1P	12	0	0	0	0
58	1Q	6	0	0	1	0
58	1R	6	0	0	2	0
58	1T	5	0	0	0	0
58	1U	7	0	0	0	0
58	1V	3	0	0	0	0
58	1W	1	0	0	0	0
58	1X	6	0	0	0	0
58	1Y	5	0	0	0	0
58	1a	406	0	0	5	0
58	1d	8	0	0	0	0
58	1e	4	0	0	0	0
58	1f	1	0	0	0	0
58	1h	1	0	0	0	0
58	1j	1	0	0	0	0
58	1l	3	0	0	0	0
58	1m	3	0	0	1	0
58	1n	1	0	0	0	0
58	1o	1	0	0	0	0
58	1p	1	0	0	0	0
58	1t	1	0	0	0	0
58	1z	3	0	0	1	0
58	20	8	0	0	1	0
58	21	2	0	0	0	0
58	23	2	0	0	0	0
58	25	4	0	0	0	0
58	26	2	0	0	0	0
58	27	2	0	0	0	0
58	28	11	0	0	0	0
58	29	2	0	0	0	0
58	2A	1771	0	0	22	0
58	2B	46	0	0	0	0
58	2D	14	0	0	1	0
58	2E	20	0	0	0	0
58	2F	12	0	0	0	0
58	2G	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
58	2H	4	0	0	0	0
58	2N	7	0	0	0	0
58	2P	11	0	0	0	0
58	2Q	7	0	0	0	0
58	2R	6	0	0	1	0
58	2T	5	0	0	0	0
58	2U	8	0	0	1	0
58	2V	5	0	0	0	0
58	2W	2	0	0	0	0
58	2X	7	0	0	0	0
58	2Y	5	0	0	0	0
58	2a	404	0	0	7	0
58	2d	8	0	0	1	0
58	2e	6	0	0	0	0
58	2f	1	0	0	0	0
58	2h	1	0	0	0	0
58	2j	1	0	0	0	0
58	2l	3	0	0	0	0
58	2m	2	0	0	1	0
58	2n	1	0	0	0	0
58	2o	3	0	0	0	0
58	2p	1	0	0	0	0
58	2z	4	0	0	0	0
All	All	294294	0	194907	7779	1

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 16.

The worst 5 of 7779 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:2552:2MU:C4	1:1A:2552:2MU:C5	1.75	1.59
1:2A:2552:2MU:C5	1:2A:2552:2MU:C4	1.76	1.57
1:2A:307:G:H21	1:2A:330:A:N6	1.23	1.37
32:1a:1005:A:N6	32:1a:1024:G:H21	1.31	1.26
1:1A:1359:A:N6	1:1A:1372:U:H3	1.37	1.22

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
8:1I:91:SER:OG	32:2a:368:U:OP1[3_654]	2.16	0.04

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	273/275 (99%)	256 (94%)	17 (6%)	0	100	100
3	2D	273/275 (99%)	257 (94%)	14 (5%)	2 (1%)	18	52
4	1E	202/204 (99%)	189 (94%)	12 (6%)	1 (0%)	24	59
4	2E	202/204 (99%)	189 (94%)	12 (6%)	1 (0%)	24	59
5	1F	201/203 (99%)	187 (93%)	11 (6%)	3 (2%)	8	37
5	2F	201/203 (99%)	186 (92%)	13 (6%)	2 (1%)	12	45
6	1G	179/181 (99%)	155 (87%)	16 (9%)	8 (4%)	2	15
6	2G	179/181 (99%)	152 (85%)	20 (11%)	7 (4%)	2	18
7	1H	172/174 (99%)	156 (91%)	15 (9%)	1 (1%)	21	56
7	2H	172/174 (99%)	153 (89%)	17 (10%)	2 (1%)	10	42
8	1I	145/147 (99%)	118 (81%)	24 (17%)	3 (2%)	5	31
8	2I	145/147 (99%)	116 (80%)	25 (17%)	4 (3%)	4	25
9	1N	138/140 (99%)	129 (94%)	9 (6%)	0	100	100
9	2N	138/140 (99%)	130 (94%)	8 (6%)	0	100	100
10	1O	120/122 (98%)	112 (93%)	7 (6%)	1 (1%)	16	50
10	2O	120/122 (98%)	113 (94%)	4 (3%)	3 (2%)	4	27
11	1P	147/149 (99%)	125 (85%)	21 (14%)	1 (1%)	18	52
11	2P	147/149 (99%)	130 (88%)	15 (10%)	2 (1%)	9	39
12	1Q	139/141 (99%)	125 (90%)	14 (10%)	0	100	100
12	2Q	139/141 (99%)	125 (90%)	12 (9%)	2 (1%)	9	39
13	1R	116/118 (98%)	98 (84%)	16 (14%)	2 (2%)	7	35

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
13	2R	116/118 (98%)	98 (84%)	17 (15%)	1 (1%)	14	47
14	1S	108/110 (98%)	96 (89%)	12 (11%)	0	100	100
14	2S	108/110 (98%)	94 (87%)	14 (13%)	0	100	100
15	1T	129/131 (98%)	122 (95%)	6 (5%)	1 (1%)	16	50
15	2T	129/131 (98%)	120 (93%)	8 (6%)	1 (1%)	16	50
16	1U	114/116 (98%)	109 (96%)	5 (4%)	0	100	100
16	2U	114/116 (98%)	111 (97%)	3 (3%)	0	100	100
17	1V	99/101 (98%)	91 (92%)	8 (8%)	0	100	100
17	2V	99/101 (98%)	91 (92%)	7 (7%)	1 (1%)	12	45
18	1W	110/112 (98%)	100 (91%)	10 (9%)	0	100	100
18	2W	110/112 (98%)	104 (94%)	6 (6%)	0	100	100
19	1X	93/95 (98%)	90 (97%)	2 (2%)	1 (1%)	11	43
19	2X	93/95 (98%)	88 (95%)	5 (5%)	0	100	100
20	1Y	105/107 (98%)	93 (89%)	11 (10%)	1 (1%)	12	45
20	2Y	105/107 (98%)	93 (89%)	11 (10%)	1 (1%)	12	45
21	1Z	201/203 (99%)	170 (85%)	30 (15%)	1 (0%)	24	59
21	2Z	201/203 (99%)	174 (87%)	26 (13%)	1 (0%)	24	59
22	10	75/77 (97%)	67 (89%)	8 (11%)	0	100	100
22	20	75/77 (97%)	67 (89%)	8 (11%)	0	100	100
23	11	95/97 (98%)	90 (95%)	5 (5%)	0	100	100
23	21	95/97 (98%)	90 (95%)	5 (5%)	0	100	100
24	12	68/70 (97%)	64 (94%)	4 (6%)	0	100	100
24	22	68/70 (97%)	63 (93%)	5 (7%)	0	100	100
25	13	57/59 (97%)	52 (91%)	4 (7%)	1 (2%)	6	34
25	23	57/59 (97%)	51 (90%)	6 (10%)	0	100	100
26	14	67/69 (97%)	52 (78%)	11 (16%)	4 (6%)	1	10
26	24	67/69 (97%)	51 (76%)	12 (18%)	4 (6%)	1	10
27	15	57/59 (97%)	53 (93%)	4 (7%)	0	100	100
27	25	57/59 (97%)	54 (95%)	3 (5%)	0	100	100
28	16	51/53 (96%)	47 (92%)	4 (8%)	0	100	100
28	26	51/53 (96%)	48 (94%)	3 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
29	17	46/48 (96%)	44 (96%)	2 (4%)	0	100	100
29	27	46/48 (96%)	43 (94%)	3 (6%)	0	100	100
30	18	62/64 (97%)	60 (97%)	2 (3%)	0	100	100
30	28	62/64 (97%)	59 (95%)	3 (5%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	34 (97%)	1 (3%)	0	100	100
33	1b	229/231 (99%)	174 (76%)	39 (17%)	16 (7%)	1	6
33	2b	229/231 (99%)	174 (76%)	40 (18%)	15 (7%)	1	7
34	1c	204/206 (99%)	175 (86%)	26 (13%)	3 (2%)	8	37
34	2c	204/206 (99%)	173 (85%)	27 (13%)	4 (2%)	6	31
35	1d	206/208 (99%)	176 (85%)	24 (12%)	6 (3%)	3	24
35	2d	206/208 (99%)	172 (84%)	29 (14%)	5 (2%)	4	28
36	1e	146/148 (99%)	124 (85%)	20 (14%)	2 (1%)	9	39
36	2e	146/148 (99%)	125 (86%)	20 (14%)	1 (1%)	18	52
37	1f	98/100 (98%)	88 (90%)	9 (9%)	1 (1%)	12	45
37	2f	98/100 (98%)	87 (89%)	10 (10%)	1 (1%)	12	45
38	1g	153/155 (99%)	133 (87%)	18 (12%)	2 (1%)	9	40
38	2g	153/155 (99%)	132 (86%)	18 (12%)	3 (2%)	6	31
39	1h	135/137 (98%)	122 (90%)	13 (10%)	0	100	100
39	2h	135/137 (98%)	123 (91%)	12 (9%)	0	100	100
40	1i	125/127 (98%)	105 (84%)	16 (13%)	4 (3%)	3	21
40	2i	125/127 (98%)	105 (84%)	15 (12%)	5 (4%)	2	17
41	1j	95/97 (98%)	76 (80%)	17 (18%)	2 (2%)	5	31
41	2j	95/97 (98%)	72 (76%)	20 (21%)	3 (3%)	3	21
42	1k	112/114 (98%)	97 (87%)	15 (13%)	0	100	100
42	2k	112/114 (98%)	97 (87%)	14 (12%)	1 (1%)	14	47
43	1l	119/122 (98%)	100 (84%)	19 (16%)	0	100	100
43	2l	119/122 (98%)	104 (87%)	15 (13%)	0	100	100
44	1m	114/116 (98%)	99 (87%)	13 (11%)	2 (2%)	6	34
44	2m	114/116 (98%)	101 (89%)	10 (9%)	3 (3%)	4	26
45	1n	58/60 (97%)	52 (90%)	5 (9%)	1 (2%)	7	35

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
45	2n	58/60 (97%)	53 (91%)	5 (9%)	0	100	100
46	1o	86/88 (98%)	76 (88%)	9 (10%)	1 (1%)	10	42
46	2o	86/88 (98%)	79 (92%)	6 (7%)	1 (1%)	10	42
47	1p	80/82 (98%)	59 (74%)	19 (24%)	2 (2%)	4	27
47	2p	80/82 (98%)	60 (75%)	19 (24%)	1 (1%)	9	40
48	1q	97/99 (98%)	87 (90%)	7 (7%)	3 (3%)	3	22
48	2q	97/99 (98%)	85 (88%)	9 (9%)	3 (3%)	3	22
49	1r	66/68 (97%)	55 (83%)	9 (14%)	2 (3%)	3	23
49	2r	66/68 (97%)	56 (85%)	8 (12%)	2 (3%)	3	23
50	1s	81/83 (98%)	74 (91%)	6 (7%)	1 (1%)	10	42
50	2s	81/83 (98%)	71 (88%)	9 (11%)	1 (1%)	10	42
51	1t	94/96 (98%)	74 (79%)	16 (17%)	4 (4%)	2	16
51	2t	94/96 (98%)	74 (79%)	16 (17%)	4 (4%)	2	16
52	1u	21/23 (91%)	15 (71%)	5 (24%)	1 (5%)	2	14
52	2u	21/23 (91%)	17 (81%)	3 (14%)	1 (5%)	2	14
53	1y	20/22 (91%)	12 (60%)	4 (20%)	4 (20%)	0	0
54	1z	95/97 (98%)	89 (94%)	5 (5%)	1 (1%)	11	43
54	2z	95/97 (98%)	90 (95%)	5 (5%)	0	100	100
All	All	11656/11860 (98%)	10281 (88%)	1200 (10%)	175 (2%)	8	37

5 of 175 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
6	1G	47	LYS
6	1G	126	ASP
20	1Y	92	ASN
21	1Z	31	ARG

5.3.2 Protein sidechains ⓘ

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	214/217 (99%)	181 (85%)	33 (15%)	2	14
3	2D	214/217 (99%)	185 (86%)	29 (14%)	3	18
4	1E	164/165 (99%)	138 (84%)	26 (16%)	2	13
4	2E	164/165 (99%)	136 (83%)	28 (17%)	2	11
5	1F	160/161 (99%)	126 (79%)	34 (21%)	1	6
5	2F	160/161 (99%)	134 (84%)	26 (16%)	2	12
6	1G	144/155 (93%)	123 (85%)	21 (15%)	3	16
6	2G	144/155 (93%)	129 (90%)	15 (10%)	7	28
7	1H	144/145 (99%)	127 (88%)	17 (12%)	5	23
7	2H	144/145 (99%)	131 (91%)	13 (9%)	9	34
8	1I	111/123 (90%)	87 (78%)	24 (22%)	1	6
8	2I	111/123 (90%)	88 (79%)	23 (21%)	1	7
9	1N	119/119 (100%)	100 (84%)	19 (16%)	2	13
9	2N	119/119 (100%)	99 (83%)	20 (17%)	2	11
10	1O	100/100 (100%)	83 (83%)	17 (17%)	2	11
10	2O	100/100 (100%)	87 (87%)	13 (13%)	4	20
11	1P	115/116 (99%)	99 (86%)	16 (14%)	3	17
11	2P	115/116 (99%)	100 (87%)	15 (13%)	4	20
12	1Q	111/111 (100%)	98 (88%)	13 (12%)	5	23
12	2Q	111/111 (100%)	99 (89%)	12 (11%)	6	27
13	1R	101/101 (100%)	82 (81%)	19 (19%)	1	9
13	2R	101/101 (100%)	83 (82%)	18 (18%)	2	10
14	1S	87/87 (100%)	74 (85%)	13 (15%)	3	15
14	2S	87/87 (100%)	75 (86%)	12 (14%)	3	18
15	1T	115/115 (100%)	103 (90%)	12 (10%)	7	28
15	2T	115/115 (100%)	102 (89%)	13 (11%)	5	24
16	1U	93/93 (100%)	81 (87%)	12 (13%)	4	20
16	2U	93/93 (100%)	81 (87%)	12 (13%)	4	20
17	1V	81/82 (99%)	68 (84%)	13 (16%)	2	13
17	2V	81/82 (99%)	69 (85%)	12 (15%)	3	15
18	1W	90/91 (99%)	77 (86%)	13 (14%)	3	16

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
18	2W	90/91 (99%)	75 (83%)	15 (17%)	2	11
19	1X	77/77 (100%)	70 (91%)	7 (9%)	9	34
19	2X	77/77 (100%)	69 (90%)	8 (10%)	7	28
20	1Y	86/88 (98%)	73 (85%)	13 (15%)	3	14
20	2Y	86/88 (98%)	74 (86%)	12 (14%)	3	17
21	1Z	169/176 (96%)	143 (85%)	26 (15%)	2	14
21	2Z	169/176 (96%)	143 (85%)	26 (15%)	2	14
22	10	61/62 (98%)	58 (95%)	3 (5%)	22	55
22	20	61/62 (98%)	58 (95%)	3 (5%)	22	55
23	11	79/82 (96%)	71 (90%)	8 (10%)	7	30
23	21	79/82 (96%)	73 (92%)	6 (8%)	12	42
24	12	65/66 (98%)	59 (91%)	6 (9%)	8	33
24	22	65/66 (98%)	60 (92%)	5 (8%)	12	41
25	13	51/51 (100%)	40 (78%)	11 (22%)	1	6
25	23	51/51 (100%)	44 (86%)	7 (14%)	3	18
26	14	58/62 (94%)	47 (81%)	11 (19%)	1	9
26	24	58/62 (94%)	47 (81%)	11 (19%)	1	9
27	15	51/51 (100%)	44 (86%)	7 (14%)	3	18
27	25	51/51 (100%)	45 (88%)	6 (12%)	5	23
28	16	51/51 (100%)	44 (86%)	7 (14%)	3	18
28	26	51/51 (100%)	46 (90%)	5 (10%)	7	31
29	17	41/41 (100%)	34 (83%)	7 (17%)	2	11
29	27	41/41 (100%)	33 (80%)	8 (20%)	1	8
30	18	54/54 (100%)	48 (89%)	6 (11%)	6	25
30	28	54/54 (100%)	50 (93%)	4 (7%)	13	43
31	19	34/34 (100%)	29 (85%)	5 (15%)	3	16
31	29	34/34 (100%)	29 (85%)	5 (15%)	3	16
33	1b	191/199 (96%)	159 (83%)	32 (17%)	2	11
33	2b	191/199 (96%)	155 (81%)	36 (19%)	1	9
34	1c	144/160 (90%)	127 (88%)	17 (12%)	5	23
34	2c	144/160 (90%)	128 (89%)	16 (11%)	6	25

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
35	1d	171/180 (95%)	137 (80%)	34 (20%)	1	7
35	2d	171/180 (95%)	143 (84%)	28 (16%)	2	12
36	1e	114/114 (100%)	102 (90%)	12 (10%)	6	28
36	2e	114/114 (100%)	101 (89%)	13 (11%)	5	24
37	1f	85/90 (94%)	77 (91%)	8 (9%)	8	33
37	2f	85/90 (94%)	80 (94%)	5 (6%)	18	50
38	1g	120/126 (95%)	106 (88%)	14 (12%)	5	23
38	2g	120/126 (95%)	107 (89%)	13 (11%)	6	27
39	1h	116/118 (98%)	103 (89%)	13 (11%)	6	25
39	2h	116/118 (98%)	104 (90%)	12 (10%)	7	28
40	1i	91/98 (93%)	74 (81%)	17 (19%)	1	9
40	2i	91/98 (93%)	76 (84%)	15 (16%)	2	12
41	1j	68/87 (78%)	59 (87%)	9 (13%)	4	19
41	2j	68/87 (78%)	57 (84%)	11 (16%)	2	12
42	1k	83/86 (96%)	76 (92%)	7 (8%)	10	38
42	2k	83/86 (96%)	75 (90%)	8 (10%)	8	32
43	1l	96/102 (94%)	87 (91%)	9 (9%)	8	33
43	2l	96/102 (94%)	88 (92%)	8 (8%)	10	38
44	1m	90/94 (96%)	81 (90%)	9 (10%)	7	30
44	2m	90/94 (96%)	78 (87%)	12 (13%)	4	19
45	1n	49/49 (100%)	39 (80%)	10 (20%)	1	7
45	2n	49/49 (100%)	40 (82%)	9 (18%)	1	9
46	1o	78/79 (99%)	74 (95%)	4 (5%)	21	54
46	2o	78/79 (99%)	74 (95%)	4 (5%)	21	54
47	1p	69/71 (97%)	55 (80%)	14 (20%)	1	7
47	2p	69/71 (97%)	54 (78%)	15 (22%)	1	6
48	1q	94/94 (100%)	86 (92%)	8 (8%)	10	37
48	2q	94/94 (100%)	89 (95%)	5 (5%)	20	53
49	1r	59/59 (100%)	52 (88%)	7 (12%)	5	23
49	2r	59/59 (100%)	51 (86%)	8 (14%)	3	18
50	1s	68/72 (94%)	60 (88%)	8 (12%)	5	23

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
50	2s	68/72 (94%)	61 (90%)	7 (10%)	7 28
51	1t	71/74 (96%)	63 (89%)	8 (11%)	5 24
51	2t	71/74 (96%)	64 (90%)	7 (10%)	7 31
52	1u	18/18 (100%)	16 (89%)	2 (11%)	6 25
52	2u	18/18 (100%)	17 (94%)	1 (6%)	19 52
53	1y	16/21 (76%)	11 (69%)	5 (31%)	0 1
54	1z	82/83 (99%)	78 (95%)	4 (5%)	22 55
54	2z	82/83 (99%)	80 (98%)	2 (2%)	43 70
All	All	9582/9879 (97%)	8295 (87%)	1287 (13%)	4 19

5 of 1287 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
17	2V	79	VAL
37	2f	43	LEU
19	2X	76	ARG
17	2V	72	VAL
29	27	43	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 165 such sidechains are listed below:

Mol	Chain	Res	Type
25	23	32	GLN
40	2i	87	GLN
31	29	29	ASN
35	2d	160	GLN
42	2k	93	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2866/2901 (98%)	614 (21%)	46 (1%)
1	2A	2865/2901 (98%)	617 (21%)	51 (1%)
2	1B	119/120 (99%)	15 (12%)	0
2	2B	119/120 (99%)	21 (17%)	1 (0%)
32	1a	1497/1507 (99%)	247 (16%)	0
32	2a	1497/1507 (99%)	244 (16%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
All	All	8963/9056 (98%)	1758 (19%)	98 (1%)

5 of 1758 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	11	G
1	1A	12	U
1	1A	14	A
1	1A	23	G
1	1A	34	C

5 of 98 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	827	U
1	2A	1240	U
1	2A	888	C
1	2A	1065	U
1	2A	1395	A

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

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
32	4OC	2a	1402	32	20,23,24	2.39	8 (40%)	25,32,35	1.33	2 (8%)
1	5MC	1A	1942	1	19,22,23	1.98	4 (21%)	26,32,35	1.22	3 (11%)
1	5MU	2A	1939	1	19,22,23	1.41	2 (10%)	27,32,35	1.65	4 (14%)
1	PSU	1A	1911	1	18,21,22	1.34	3 (16%)	21,30,33	1.83	6 (28%)
1	4OC	1A	1920	1	19,22,24	2.41	7 (36%)	25,31,35	1.43	5 (20%)
1	5MU	1A	1915	1	19,22,23	1.15	1 (5%)	27,32,35	1.60	6 (22%)
1	OMG	2A	2251	1	23,26,27	1.72	2 (8%)	32,38,41	2.53	13 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	MA6	2a	1518	32	23,26,27	1.31	4 (17%)	33,38,41	3.98	15 (45%)
1	5MC	1A	1962	1	19,22,23	1.43	1 (5%)	26,32,35	1.69	4 (15%)
32	PSU	1a	516	55,32	18,21,22	1.28	3 (16%)	21,30,33	1.96	6 (28%)
1	OMG	1A	2251	1	23,26,27	1.61	5 (21%)	32,38,41	2.15	10 (31%)
32	5MC	1a	967	32	19,22,23	1.00	1 (5%)	26,32,35	1.24	4 (15%)
32	5MC	1a	1404	32	19,22,23	1.00	1 (5%)	26,32,35	1.43	5 (19%)
1	PSU	2A	1917	1	18,21,22	1.16	1 (5%)	21,30,33	1.74	6 (28%)
32	5MC	2a	1407	32	19,22,23	1.22	3 (15%)	26,32,35	1.27	2 (7%)
1	5MC	2A	1942	1	19,22,23	2.20	2 (10%)	26,32,35	1.17	3 (11%)
32	M2G	1a	966	32	24,27,28	2.00	5 (20%)	33,40,43	1.71	7 (21%)
32	PSU	2a	516	55,32	18,21,22	1.72	4 (22%)	21,30,33	2.33	5 (23%)
1	5MU	2A	1915	1	19,22,23	1.51	2 (10%)	27,32,35	1.39	3 (11%)
1	PSU	2A	2605	1	18,21,22	1.68	3 (16%)	21,30,33	1.92	3 (14%)
32	7MG	2a	527	55,32	23,26,27	2.38	8 (34%)	27,39,42	2.11	9 (33%)
32	5MC	2a	1404	32	19,22,23	1.31	2 (10%)	26,32,35	1.38	3 (11%)
1	2MA	1A	2503	1,55	22,25,26	2.56	8 (36%)	32,37,40	3.15	10 (31%)
43	0TD	1l	92	43	8,9,10	6.15	3 (37%)	6,11,13	3.67	4 (66%)
1	PSU	1A	1917	1	18,21,22	1.12	1 (5%)	21,30,33	1.71	6 (28%)
32	7MG	1a	527	55,32	23,26,27	2.10	7 (30%)	27,39,42	1.88	8 (29%)
32	M2G	2a	966	32	24,27,28	2.02	5 (20%)	33,40,43	1.42	7 (21%)
1	2MA	2A	2503	1,55	22,25,26	2.38	7 (31%)	32,37,40	2.51	6 (18%)
32	2MG	2a	1207	55,32	23,26,27	2.14	4 (17%)	33,38,41	2.47	12 (36%)
32	MA6	2a	1519	32	23,26,27	1.08	2 (8%)	33,38,41	4.04	12 (36%)
1	2MU	2A	2552	1,55	19,22,24	6.82	10 (52%)	25,31,36	2.81	8 (32%)
32	5MC	1a	1400	32	19,22,23	1.41	1 (5%)	26,32,35	1.93	7 (26%)
32	MA6	1a	1518	32	23,26,27	1.29	3 (13%)	33,38,41	4.45	13 (39%)
32	5MC	1a	1407	32	19,22,23	1.30	2 (10%)	26,32,35	1.22	4 (15%)
1	PSU	2A	1911	1	18,21,22	1.73	3 (16%)	21,30,33	1.40	4 (19%)
43	0TD	2l	92	43	8,9,10	5.73	3 (37%)	6,11,13	3.06	3 (50%)
1	PSU	1A	2605	1	18,21,22	1.94	5 (27%)	21,30,33	1.42	3 (14%)
1	5MC	2A	1962	1,55	19,22,23	1.51	4 (21%)	26,32,35	1.22	3 (11%)
32	5MC	2a	1400	32	19,22,23	1.27	2 (10%)	26,32,35	1.52	5 (19%)
1	2MU	1A	2552	1,55	19,22,24	6.70	10 (52%)	25,31,36	3.06	10 (40%)
1	5MU	1A	1939	1	19,22,23	1.47	4 (21%)	27,32,35	1.56	4 (14%)
32	MA6	1a	1519	32	23,26,27	1.26	4 (17%)	33,38,41	4.57	13 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	UR3	2a	1498	32	19,22,23	2.03	4 (21%)	26,32,35	1.57	5 (19%)
1	4OC	2A	1920	1	19,22,24	2.44	7 (36%)	25,31,35	0.83	0
32	5MC	2a	967	32	19,22,23	0.89	1 (5%)	26,32,35	1.36	4 (15%)
32	UR3	1a	1498	32	19,22,23	2.04	4 (21%)	26,32,35	1.55	4 (15%)
32	4OC	1a	1402	32	20,23,24	2.51	8 (40%)	25,32,35	1.17	2 (8%)
32	2MG	1a	1207	55,32	23,26,27	2.25	5 (21%)	33,38,41	2.39	11 (33%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	4OC	2a	1402	32	-	1/9/29/30	0/2/2/2
1	5MC	1A	1942	1	-	2/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	4OC	1A	1920	1	-	2/9/27/30	0/2/2/2
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
1	OMG	2A	2251	1	-	1/9/27/28	0/3/3/3
32	MA6	2a	1518	32	-	1/11/29/30	0/3/3/3
1	5MC	1A	1962	1	-	1/7/25/26	0/2/2/2
32	PSU	1a	516	55,32	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	1	-	1/9/27/28	0/3/3/3
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	2/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	1/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
32	PSU	2a	516	55,32	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	2/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	55,32	-	2/7/37/38	0/3/3/3
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	1,55	-	0/7/25/26	0/3/3/3
43	0TD	1l	92	43	-	6/7/12/14	-
1	PSU	1A	1917	1	-	3/7/25/26	0/2/2/2
32	7MG	1a	527	55,32	-	2/7/37/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	M2G	2a	966	32	-	2/11/29/30	0/3/3/3
1	2MA	2A	2503	1,55	-	1/7/25/26	0/3/3/3
32	2MG	2a	1207	55,32	-	0/9/27/28	0/3/3/3
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
1	2MU	2A	2552	1,55	-	0/9/27/28	0/2/2/2
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	3/11/29/30	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,55	-	4/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
1	2MU	1A	2552	1,55	-	0/9/27/28	0/2/2/2
1	5MU	1A	1939	1	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	2/11/29/30	0/3/3/3
32	UR3	2a	1498	32	-	1/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	1/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
32	2MG	1a	1207	55,32	-	0/9/27/28	0/3/3/3

The worst 5 of 189 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	1l	92	0TD	CB-CA	-16.11	1.49	1.54
1	1A	2552	2MU	C4-N3	-15.71	1.11	1.38
1	2A	2552	2MU	C4-N3	-15.70	1.11	1.38
1	2A	2552	2MU	C5-C4	15.21	1.76	1.43
43	2l	92	0TD	CB-CA	-14.77	1.50	1.54

The worst 5 of 292 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	1a	1518	MA6	N1-C6-N6	-17.85	95.10	116.86
32	1a	1519	MA6	N1-C6-N6	-17.26	95.83	116.86
32	2a	1519	MA6	N1-C6-N6	-15.21	98.32	116.86
32	2a	1518	MA6	N1-C6-N6	-14.25	99.49	116.86
32	1a	1519	MA6	C5-C6-N6	13.39	146.53	125.33

There are no chirality outliers.

5 of 54 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
1	1A	1917	PSU	C2'-C1'-C5-C4
1	1A	1917	PSU	O4'-C4'-C5'-O5'
43	1l	92	0TD	CA-CB-SB-CSB

There are no ring outliers.

34 monomers are involved in 63 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	1402	4OC	3	0
1	1A	1942	5MC	1	0
1	2A	1939	5MU	2	0
1	1A	1920	4OC	1	0
1	1A	1915	5MU	2	0
1	2A	2251	OMG	2	0
32	2a	1518	MA6	3	0
1	1A	1962	5MC	1	0
32	1a	516	PSU	1	0
32	1a	1404	5MC	1	0
1	2A	1942	5MC	1	0
32	1a	966	M2G	1	0
32	2a	516	PSU	5	0
1	2A	1915	5MU	1	0
32	2a	527	7MG	1	0
1	1A	2503	2MA	2	0
43	1l	92	0TD	4	0
1	1A	1917	PSU	1	0
1	2A	2503	2MA	2	0
32	2a	1519	MA6	2	0
1	2A	2552	2MU	2	0
32	1a	1518	MA6	3	0
32	1a	1407	5MC	1	0
1	2A	1911	PSU	1	0
43	2l	92	0TD	3	0
1	1A	2605	PSU	1	0
1	1A	2552	2MU	3	0
1	1A	1939	5MU	1	0
32	1a	1519	MA6	5	0
32	2a	1498	UR3	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	2A	1920	4OC	2	0
32	1a	1498	UR3	1	0
32	1a	1402	4OC	3	0
32	1a	1207	2MG	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2708 ligands modelled in this entry, 2706 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
57	SF4	1d	302	35	0,12,12	-	-	-		
57	SF4	2d	501	35	0,12,12	-	-	-		

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
57	SF4	1d	302	35	-	-	0/6/5/5
57	SF4	2d	501	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

1 monomer is involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
57	2d	501	SF4	2	0

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, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2861/2901 (98%)	-0.92	37 (1%) 75 55	9, 28, 117, 139	0
1	2A	2861/2901 (98%)	-0.74	32 (1%) 78 61	23, 45, 119, 140	0
2	1B	120/120 (100%)	-0.94	0 100 100	20, 48, 70, 100	0
2	2B	120/120 (100%)	-0.44	0 100 100	47, 69, 82, 106	0
3	1D	275/275 (100%)	-0.66	2 (0%) 84 69	12, 26, 43, 74	0
3	2D	275/275 (100%)	-0.47	1 (0%) 88 79	21, 38, 51, 72	0
4	1E	204/204 (100%)	-0.66	1 (0%) 87 76	10, 29, 55, 71	0
4	2E	204/204 (100%)	-0.51	0 100 100	22, 44, 63, 82	0
5	1F	203/203 (100%)	-0.62	0 100 100	8, 31, 65, 93	0
5	2F	203/203 (100%)	-0.43	0 100 100	23, 52, 77, 96	0
6	1G	181/181 (100%)	-0.22	0 100 100	43, 68, 90, 101	0
6	2G	181/181 (100%)	0.19	1 (0%) 85 73	66, 84, 98, 106	0
7	1H	174/174 (100%)	-0.55	0 100 100	26, 43, 62, 76	0
7	2H	174/174 (100%)	-0.03	0 100 100	52, 72, 82, 93	0
8	1I	147/147 (100%)	-0.20	0 100 100	37, 73, 88, 93	0
8	2I	147/147 (100%)	0.32	7 (4%) 35 22	47, 85, 97, 102	0
9	1N	140/140 (100%)	-0.72	0 100 100	17, 28, 59, 66	0
9	2N	140/140 (100%)	-0.42	0 100 100	33, 49, 70, 79	0
10	1O	122/122 (100%)	-0.73	0 100 100	16, 29, 48, 57	0
10	2O	122/122 (100%)	-0.58	0 100 100	29, 41, 59, 66	0
11	1P	149/149 (100%)	-0.55	0 100 100	8, 37, 57, 83	0
11	2P	149/149 (100%)	-0.31	0 100 100	28, 55, 78, 86	0
12	1Q	141/141 (100%)	-0.48	0 100 100	20, 32, 46, 72	0
12	2Q	141/141 (100%)	-0.27	0 100 100	35, 50, 64, 81	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.74	0 100 100	14, 23, 39, 58	0
13	2R	118/118 (100%)	-0.47	0 100 100	27, 38, 53, 66	0
14	1S	110/110 (100%)	-0.48	0 100 100	29, 45, 60, 69	0
14	2S	110/110 (100%)	0.06	1 (0%) 81 64	50, 64, 79, 82	0
15	1T	131/131 (100%)	-0.55	2 (1%) 72 52	23, 35, 71, 88	0
15	2T	131/131 (100%)	-0.42	1 (0%) 82 67	33, 47, 80, 92	0
16	1U	116/116 (100%)	-0.69	0 100 100	10, 19, 39, 60	0
16	2U	116/116 (100%)	-0.44	0 100 100	27, 44, 60, 66	0
17	1V	101/101 (100%)	-0.77	0 100 100	11, 29, 50, 65	0
17	2V	101/101 (100%)	-0.39	0 100 100	24, 54, 70, 75	0
18	1W	112/112 (100%)	-0.67	0 100 100	10, 19, 42, 99	0
18	2W	112/112 (100%)	-0.56	0 100 100	23, 34, 57, 97	0
19	1X	95/95 (100%)	-0.57	1 (1%) 78 61	17, 27, 51, 68	0
19	2X	95/95 (100%)	-0.14	1 (1%) 78 61	35, 46, 66, 76	0
20	1Y	107/107 (100%)	-0.45	1 (0%) 81 64	23, 41, 68, 78	0
20	2Y	107/107 (100%)	0.06	1 (0%) 81 64	43, 61, 78, 87	0
21	1Z	203/203 (100%)	-0.36	1 (0%) 87 76	32, 57, 79, 96	0
21	2Z	203/203 (100%)	-0.18	2 (0%) 79 63	53, 71, 89, 104	0
22	10	77/77 (100%)	-0.63	0 100 100	20, 30, 52, 63	0
22	20	77/77 (100%)	-0.11	1 (1%) 75 55	37, 48, 62, 70	0
23	11	97/97 (100%)	-0.47	1 (1%) 79 63	17, 36, 68, 83	0
23	21	97/97 (100%)	-0.25	1 (1%) 79 63	30, 46, 74, 85	0
24	12	70/70 (100%)	-0.37	1 (1%) 73 54	26, 41, 57, 87	0
24	22	70/70 (100%)	-0.22	0 100 100	47, 61, 74, 84	0
25	13	59/59 (100%)	-0.50	1 (1%) 69 49	16, 26, 60, 79	0
25	23	59/59 (100%)	-0.39	0 100 100	36, 48, 71, 93	0
26	14	69/69 (100%)	-0.08	2 (2%) 53 35	62, 92, 109, 110	0
26	24	69/69 (100%)	0.31	1 (1%) 73 54	76, 100, 113, 119	0
27	15	59/59 (100%)	-0.73	0 100 100	10, 24, 45, 62	0
27	25	59/59 (100%)	-0.55	0 100 100	26, 40, 59, 82	0
28	16	53/53 (100%)	-0.66	0 100 100	28, 37, 50, 57	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/53 (100%)	-0.51	0 100 100	41, 52, 62, 70	0
29	17	48/48 (100%)	-0.58	0 100 100	12, 17, 50, 59	0
29	27	48/48 (100%)	-0.37	1 (2%) 63 43	24, 31, 56, 72	0
30	18	64/64 (100%)	-0.66	0 100 100	15, 22, 35, 42	0
30	28	64/64 (100%)	-0.25	0 100 100	32, 39, 51, 57	0
31	19	37/37 (100%)	-0.44	0 100 100	28, 36, 59, 63	0
31	29	37/37 (100%)	0.31	1 (2%) 56 36	47, 54, 70, 73	0
32	1a	1488/1507 (98%)	-0.38	8 (0%) 87 76	27, 76, 115, 143	0
32	2a	1488/1507 (98%)	-0.32	15 (1%) 79 63	33, 79, 116, 143	0
33	1b	231/231 (100%)	0.09	2 (0%) 81 64	70, 88, 100, 113	0
33	2b	231/231 (100%)	0.19	6 (2%) 57 37	75, 91, 104, 113	0
34	1c	206/206 (100%)	0.09	3 (1%) 72 52	72, 89, 100, 105	0
34	2c	206/206 (100%)	0.22	6 (2%) 53 35	82, 93, 104, 109	0
35	1d	208/208 (100%)	0.26	3 (1%) 73 54	57, 80, 93, 98	0
35	2d	208/208 (100%)	0.27	3 (1%) 73 54	61, 81, 94, 103	0
36	1e	148/148 (100%)	-0.29	1 (0%) 84 69	45, 69, 83, 94	0
36	2e	148/148 (100%)	-0.07	0 100 100	50, 72, 85, 100	0
37	1f	100/100 (100%)	-0.25	0 100 100	52, 71, 81, 86	0
37	2f	100/100 (100%)	-0.18	0 100 100	54, 71, 84, 88	0
38	1g	155/155 (100%)	-0.09	0 100 100	72, 84, 95, 105	0
38	2g	155/155 (100%)	0.14	2 (1%) 75 55	78, 88, 98, 106	0
39	1h	137/137 (100%)	-0.12	2 (1%) 72 52	50, 69, 79, 87	0
39	2h	137/137 (100%)	0.08	3 (2%) 62 42	56, 73, 82, 94	0
40	1i	127/127 (100%)	0.52	5 (3%) 43 27	68, 96, 105, 108	0
40	2i	127/127 (100%)	0.76	11 (8%) 16 11	77, 99, 108, 112	0
41	1j	97/97 (100%)	0.59	4 (4%) 41 25	75, 97, 107, 113	0
41	2j	97/97 (100%)	0.75	9 (9%) 14 9	81, 100, 109, 112	0
42	1k	114/114 (100%)	-0.40	0 100 100	39, 64, 81, 90	0
42	2k	114/114 (100%)	-0.10	1 (0%) 81 64	52, 71, 85, 98	0
43	1l	121/122 (99%)	-0.10	2 (1%) 69 49	42, 61, 77, 87	0
43	2l	121/122 (99%)	0.06	1 (0%) 82 67	50, 66, 79, 88	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	116/116 (100%)	0.01	1 (0%) 81 64	71, 89, 97, 99	0
44	2m	116/116 (100%)	0.62	8 (6%) 23 14	79, 97, 104, 109	0
45	1n	60/60 (100%)	0.61	3 (5%) 34 22	70, 86, 94, 100	0
45	2n	60/60 (100%)	0.83	5 (8%) 17 11	82, 92, 100, 102	0
46	1o	88/88 (100%)	-0.07	1 (1%) 78 61	46, 66, 83, 91	0
46	2o	88/88 (100%)	-0.15	0 100 100	52, 68, 88, 93	0
47	1p	82/82 (100%)	0.24	1 (1%) 76 58	64, 78, 92, 100	0
47	2p	82/82 (100%)	0.41	3 (3%) 45 28	65, 75, 91, 101	0
48	1q	99/99 (100%)	0.15	2 (2%) 65 45	52, 68, 79, 84	0
48	2q	99/99 (100%)	0.06	1 (1%) 79 63	53, 69, 81, 86	0
49	1r	68/68 (100%)	-0.35	0 100 100	53, 66, 81, 91	0
49	2r	68/68 (100%)	-0.25	0 100 100	54, 69, 86, 94	0
50	1s	83/83 (100%)	0.42	1 (1%) 76 58	78, 94, 102, 108	0
50	2s	83/83 (100%)	0.85	7 (8%) 17 11	84, 101, 111, 116	0
51	1t	96/96 (100%)	0.31	4 (4%) 40 25	65, 76, 90, 95	0
51	2t	96/96 (100%)	0.24	4 (4%) 40 25	60, 75, 90, 93	0
52	1u	23/23 (100%)	0.86	2 (8%) 16 11	78, 84, 90, 94	0
52	2u	23/23 (100%)	1.35	5 (21%) 2 2	82, 90, 97, 99	0
53	1y	22/22 (100%)	0.62	4 (18%) 3 3	16, 39, 78, 90	0
54	1z	97/97 (100%)	0.01	2 (2%) 63 43	52, 63, 79, 84	0
54	2z	97/97 (100%)	0.65	6 (6%) 26 17	63, 75, 85, 93	0
All	All	20796/20916 (99%)	-0.38	249 (1%) 76 58	8, 58, 104, 143	0

The worst 5 of 249 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1087	G	9.4
1	1A	1081	U	7.7
1	1A	1089	G	6.9
1	1A	1077	A	6.3
40	2i	128	ARG	6.3

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, 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
32	2MG	2a	1207	24/25	0.84	0.10	91,98,105,108	0
32	PSU	2a	516	20/21	0.86	0.11	72,81,90,91	0
1	5MU	2A	1915	21/22	0.87	0.07	86,95,109,116	0
1	5MU	1A	1915	21/22	0.89	0.09	81,89,96,98	0
1	PSU	2A	1917	20/21	0.90	0.06	76,81,94,98	0
1	PSU	2A	1911	20/21	0.90	0.07	65,72,79,80	0
32	PSU	1a	516	20/21	0.90	0.09	69,78,82,84	0
1	PSU	1A	1911	20/21	0.91	0.08	64,69,74,74	0
32	7MG	2a	527	24/25	0.91	0.12	61,66,74,77	0
1	PSU	1A	1917	20/21	0.91	0.07	61,75,81,85	0
32	M2G	2a	966	25/26	0.92	0.10	65,73,81,86	0
32	5MC	2a	967	21/22	0.92	0.10	65,74,83,89	0
32	2MG	1a	1207	24/25	0.92	0.07	82,91,97,98	0
1	4OC	2A	1920	21/23	0.93	0.08	55,67,70,73	0
32	5MC	2a	1400	21/22	0.93	0.11	64,68,73,77	0
32	M2G	1a	966	25/26	0.94	0.08	56,64,75,80	0
32	5MC	1a	967	21/22	0.94	0.09	61,69,81,82	0
32	7MG	1a	527	24/25	0.94	0.10	52,56,64,67	0
32	5MC	1a	1400	21/22	0.94	0.09	51,55,58,60	0
32	4OC	1a	1402	22/23	0.94	0.09	51,55,61,63	0
32	UR3	1a	1498	21/22	0.95	0.08	39,50,58,61	0
43	0TD	1l	92	10/11	0.95	0.09	64,66,69,72	0
32	4OC	2a	1402	22/23	0.95	0.08	56,59,64,70	0
32	5MC	2a	1404	21/22	0.95	0.08	47,54,61,64	0
32	5MC	2a	1407	21/22	0.95	0.07	50,59,65,66	0
1	2MA	2A	2503	23/24	0.96	0.08	19,23,26,34	0
1	4OC	1A	1920	21/23	0.96	0.07	47,60,68,69	0
32	5MC	1a	1404	21/22	0.96	0.07	42,50,53,57	0
32	5MC	1a	1407	21/22	0.96	0.08	38,55,60,63	0
1	5MC	2A	1962	21/22	0.96	0.07	32,41,48,55	0
32	UR3	2a	1498	21/22	0.96	0.08	47,52,58,61	0
32	MA6	2a	1518	24/25	0.96	0.08	43,53,58,61	0
43	0TD	2l	92	10/11	0.96	0.08	64,71,79,83	0
1	OMG	1A	2251	24/25	0.97	0.07	17,21,27,28	0
1	OMG	2A	2251	24/25	0.97	0.07	29,34,37,43	0
1	5MC	1A	1942	21/22	0.97	0.06	19,27,30,36	0
1	PSU	2A	2605	20/21	0.97	0.07	21,28,33,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
32	MA6	1a	1518	24/25	0.97	0.07	36,42,45,48	0
1	5MC	1A	1962	21/22	0.97	0.07	25,29,32,41	0
1	5MU	2A	1939	21/22	0.97	0.07	26,31,36,40	0
32	MA6	2a	1519	24/25	0.97	0.11	44,51,54,55	0
1	5MC	2A	1942	21/22	0.97	0.05	37,44,48,50	0
1	2MA	1A	2503	23/24	0.98	0.06	7,11,12,12	0
1	2MU	1A	2552	21/23	0.98	0.07	15,19,22,25	0
32	MA6	1a	1519	24/25	0.98	0.06	34,40,44,49	0
1	2MU	2A	2552	21/23	0.98	0.05	24,29,32,34	0
1	PSU	1A	2605	20/21	0.98	0.06	11,17,22,26	0
1	5MU	1A	1939	21/22	0.98	0.06	14,22,25,27	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides 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(\AA^2)	Q<0.9
55	MG	2B	3016	1/1	0.01	0.34	85,85,85,85	0
55	MG	2H	8001	1/1	0.08	0.14	93,93,93,93	0
55	MG	2B	3014	1/1	0.14	0.22	76,76,76,76	0
55	MG	2A	3784	1/1	0.16	0.17	86,86,86,86	0
55	MG	2a	1747	1/1	0.20	0.26	106,106,106,106	0
55	MG	2a	1643	1/1	0.25	0.28	86,86,86,86	0
55	MG	2a	1796	1/1	0.25	0.15	95,95,95,95	0
55	MG	2A	3907	1/1	0.30	0.22	56,56,56,56	0
55	MG	2A	3764	1/1	0.32	0.17	70,70,70,70	0
55	MG	2a	1619	1/1	0.34	0.35	95,95,95,95	0
55	MG	2a	1724	1/1	0.34	0.27	96,96,96,96	0
55	MG	2A	3260	1/1	0.35	0.16	94,94,94,94	0
55	MG	2A	3279	1/1	0.38	0.11	83,83,83,83	0
55	MG	2a	1658	1/1	0.39	0.16	83,83,83,83	0
55	MG	2z	101	1/1	0.41	0.36	111,111,111,111	0
55	MG	2a	1617	1/1	0.42	0.35	83,83,83,83	0
55	MG	2B	3006	1/1	0.43	0.20	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1752	1/1	0.43	0.25	86,86,86,86	0
55	MG	1A	3528	1/1	0.43	0.53	31,31,31,31	0
55	MG	1a	1763	1/1	0.45	0.20	91,91,91,91	0
55	MG	1a	1661	1/1	0.46	0.41	67,67,67,67	0
55	MG	2A	3515	1/1	0.47	0.26	68,68,68,68	0
55	MG	1A	3553	1/1	0.47	0.52	37,37,37,37	0
55	MG	2A	3945	1/1	0.47	0.20	81,81,81,81	0
55	MG	2A	3142	1/1	0.50	0.22	78,78,78,78	0
55	MG	1A	3801	1/1	0.50	0.18	83,83,83,83	0
55	MG	2a	1779	1/1	0.51	0.20	92,92,92,92	0
55	MG	1A	3584	1/1	0.51	0.85	32,32,32,32	0
55	MG	2A	3734	1/1	0.51	0.17	81,81,81,81	0
55	MG	1A	3809	1/1	0.52	0.17	63,63,63,63	0
55	MG	2A	3146	1/1	0.53	0.25	68,68,68,68	0
55	MG	2B	3026	1/1	0.53	0.12	83,83,83,83	0
55	MG	2A	3259	1/1	0.54	0.12	82,82,82,82	0
55	MG	2A	3680	1/1	0.54	0.12	53,53,53,53	0
55	MG	2A	3923	1/1	0.54	0.26	83,83,83,83	0
55	MG	2A	3419	1/1	0.55	0.17	60,60,60,60	0
55	MG	2A	3567	1/1	0.56	0.28	53,53,53,53	0
55	MG	2a	1739	1/1	0.57	0.45	82,82,82,82	0
55	MG	2a	1806	1/1	0.58	0.22	84,84,84,84	0
55	MG	1a	1813	1/1	0.58	0.19	76,76,76,76	0
55	MG	2A	3929	1/1	0.59	0.26	58,58,58,58	0
55	MG	2a	1676	1/1	0.60	0.18	102,102,102,102	0
55	MG	1A	3480	1/1	0.60	0.24	45,45,45,45	0
55	MG	2A	3626	1/1	0.62	0.11	64,64,64,64	0
55	MG	2a	1635	1/1	0.62	0.35	63,63,63,63	0
55	MG	2A	3370	1/1	0.62	0.18	76,76,76,76	0
55	MG	2A	3022	1/1	0.62	0.18	49,49,49,49	0
55	MG	2A	3487	1/1	0.63	0.20	52,52,52,52	0
55	MG	1n	502	1/1	0.63	0.15	74,74,74,74	0
55	MG	2a	1613	1/1	0.63	0.16	72,72,72,72	0
55	MG	2a	1834	1/1	0.63	0.19	76,76,76,76	0
55	MG	2A	3007	1/1	0.63	0.22	59,59,59,59	0
55	MG	2A	3710	1/1	0.64	0.18	40,40,40,40	0
55	MG	1a	1753	1/1	0.64	0.21	81,81,81,81	0
55	MG	2A	3595	1/1	0.65	0.12	79,79,79,79	0
55	MG	1a	1835	1/1	0.65	0.10	81,81,81,81	0
55	MG	2a	1748	1/1	0.65	0.24	71,71,71,71	0
55	MG	1A	3562	1/1	0.65	0.24	63,63,63,63	0
55	MG	2a	1646	1/1	0.66	0.17	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3176	1/1	0.66	0.23	81,81,81,81	0
55	MG	2a	1835	1/1	0.66	0.22	87,87,87,87	0
55	MG	2A	3811	1/1	0.66	0.14	65,65,65,65	0
55	MG	2A	3513	1/1	0.67	0.15	66,66,66,66	0
55	MG	1a	1845	1/1	0.67	0.31	107,107,107,107	0
55	MG	2A	3332	1/1	0.67	0.15	61,61,61,61	0
55	MG	2A	3241	1/1	0.67	0.22	72,72,72,72	0
55	MG	1a	1721	1/1	0.67	0.22	49,49,49,49	0
55	MG	1A	3488	1/1	0.67	0.22	54,54,54,54	0
55	MG	2D	315	1/1	0.67	0.11	60,60,60,60	0
55	MG	2a	1663	1/1	0.67	0.26	86,86,86,86	0
55	MG	2a	1664	1/1	0.67	0.18	80,80,80,80	0
55	MG	2i	3001	1/1	0.67	0.14	73,73,73,73	0
55	MG	2A	3694	1/1	0.67	0.20	75,75,75,75	0
55	MG	2A	3888	1/1	0.68	0.21	63,63,63,63	0
55	MG	2A	3623	1/1	0.68	0.12	54,54,54,54	0
55	MG	2G	3001	1/1	0.68	0.10	92,92,92,92	0
55	MG	2a	1842	1/1	0.68	0.29	71,71,71,71	0
55	MG	1a	1663	1/1	0.68	0.19	86,86,86,86	0
55	MG	1B	217	1/1	0.68	0.17	57,57,57,57	0
55	MG	1a	1615	1/1	0.69	0.14	72,72,72,72	0
55	MG	1a	1723	1/1	0.69	0.19	55,55,55,55	0
55	MG	2A	3402	1/1	0.69	0.13	47,47,47,47	0
55	MG	1A	3660	1/1	0.69	0.16	55,55,55,55	0
55	MG	2B	3017	1/1	0.69	0.12	68,68,68,68	0
55	MG	1A	3512	1/1	0.69	0.21	59,59,59,59	0
55	MG	1a	1669	1/1	0.69	0.20	61,61,61,61	0
55	MG	2a	1828	1/1	0.69	0.12	90,90,90,90	0
55	MG	2a	1662	1/1	0.69	0.28	90,90,90,90	0
55	MG	1a	1681	1/1	0.69	0.17	59,59,59,59	0
55	MG	2a	1838	1/1	0.69	0.13	111,111,111,111	0
55	MG	2A	3727	1/1	0.69	0.24	67,67,67,67	0
55	MG	2H	8002	1/1	0.69	0.30	90,90,90,90	0
55	MG	2a	1680	1/1	0.69	0.12	82,82,82,82	0
55	MG	1a	1740	1/1	0.70	0.10	81,81,81,81	0
55	MG	1A	3047	1/1	0.70	0.17	31,31,31,31	0
55	MG	2A	3788	1/1	0.70	0.08	94,94,94,94	0
55	MG	1A	3085	1/1	0.70	0.13	32,32,32,32	0
55	MG	2a	1754	1/1	0.71	0.15	104,104,104,104	0
55	MG	2A	3061	1/1	0.71	0.15	39,39,39,39	0
55	MG	1A	3912	1/1	0.71	0.18	35,35,35,35	0
55	MG	2a	1801	1/1	0.71	0.08	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3701	1/1	0.71	0.15	60,60,60,60	0
55	MG	2A	3299	1/1	0.71	0.10	44,44,44,44	0
55	MG	2A	3559	1/1	0.71	0.32	63,63,63,63	0
55	MG	1a	1670	1/1	0.71	0.25	55,55,55,55	0
55	MG	1a	1618	1/1	0.71	0.30	89,89,89,89	0
55	MG	1A	3864	1/1	0.71	0.16	51,51,51,51	0
55	MG	1Q	203	1/1	0.71	0.19	40,40,40,40	0
55	MG	2A	3628	1/1	0.71	0.20	79,79,79,79	0
55	MG	2A	3599	1/1	0.72	0.11	52,52,52,52	0
55	MG	2A	3036	1/1	0.72	0.26	49,49,49,49	0
55	MG	2a	1787	1/1	0.72	0.13	66,66,66,66	0
55	MG	1A	3170	1/1	0.72	0.30	62,62,62,62	0
55	MG	2Y	201	1/1	0.72	0.34	61,61,61,61	0
55	MG	2a	1666	1/1	0.72	0.19	68,68,68,68	0
55	MG	2A	3800	1/1	0.72	0.26	73,73,73,73	0
55	MG	2a	1830	1/1	0.72	0.18	119,119,119,119	0
55	MG	2A	3721	1/1	0.72	0.18	47,47,47,47	0
55	MG	2A	3885	1/1	0.72	0.15	67,67,67,67	0
55	MG	2a	1730	1/1	0.72	0.12	81,81,81,81	0
55	MG	1A	3252	1/1	0.72	0.66	41,41,41,41	0
55	MG	1a	1746	1/1	0.72	0.10	55,55,55,55	0
55	MG	2A	3917	1/1	0.72	0.17	71,71,71,71	0
55	MG	1A	3669	1/1	0.73	0.16	47,47,47,47	0
55	MG	2D	317	1/1	0.73	0.20	61,61,61,61	0
55	MG	2A	3911	1/1	0.73	0.56	53,53,53,53	0
55	MG	1a	1779	1/1	0.73	0.10	81,81,81,81	0
55	MG	2A	3753	1/1	0.73	0.17	41,41,41,41	0
55	MG	1a	1647	1/1	0.73	0.19	65,65,65,65	0
55	MG	1a	1608	1/1	0.73	0.09	74,74,74,74	0
55	MG	1a	1837	1/1	0.73	0.12	93,93,93,93	0
55	MG	2A	3319	1/1	0.73	0.16	81,81,81,81	0
55	MG	1a	1685	1/1	0.73	0.34	55,55,55,55	0
55	MG	2A	3591	1/1	0.73	0.16	50,50,50,50	0
55	MG	1A	3664	1/1	0.73	0.13	31,31,31,31	0
55	MG	2l	3002	1/1	0.73	0.13	70,70,70,70	0
55	MG	2o	101	1/1	0.73	0.27	66,66,66,66	0
55	MG	2a	1647	1/1	0.73	0.25	67,67,67,67	0
55	MG	1A	3718	1/1	0.74	0.12	58,58,58,58	0
55	MG	1a	1755	1/1	0.74	0.10	76,76,76,76	0
55	MG	1A	3270	1/1	0.74	0.33	43,43,43,43	0
55	MG	1A	3865	1/1	0.74	0.13	48,48,48,48	0
55	MG	2a	1621	1/1	0.74	0.07	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3378	1/1	0.74	0.14	72,72,72,72	0
55	MG	17	101	1/1	0.74	0.35	34,34,34,34	0
55	MG	1a	1828	1/1	0.74	0.11	74,74,74,74	0
55	MG	2A	3608	1/1	0.74	0.13	48,48,48,48	0
55	MG	2A	3469	1/1	0.74	0.21	58,58,58,58	0
55	MG	2a	1769	1/1	0.74	0.17	83,83,83,83	0
55	MG	1a	1602	1/1	0.74	0.22	78,78,78,78	0
55	MG	2A	3768	1/1	0.74	0.13	42,42,42,42	0
55	MG	2a	1717	1/1	0.75	0.19	90,90,90,90	0
55	MG	2G	3002	1/1	0.75	0.14	71,71,71,71	0
55	MG	1A	3934	1/1	0.75	0.17	67,67,67,67	0
55	MG	1B	211	1/1	0.75	0.27	58,58,58,58	0
55	MG	2a	1745	1/1	0.75	0.18	70,70,70,70	0
55	MG	1A	3503	1/1	0.75	0.16	60,60,60,60	0
55	MG	1a	1754	1/1	0.75	0.19	66,66,66,66	0
55	MG	1D	303	1/1	0.75	0.44	27,27,27,27	0
55	MG	2a	1618	1/1	0.75	0.17	96,96,96,96	0
55	MG	1a	1732	1/1	0.75	0.16	75,75,75,75	0
55	MG	2A	3612	1/1	0.75	0.20	65,65,65,65	0
55	MG	1A	3717	1/1	0.75	0.19	29,29,29,29	0
55	MG	2A	3503	1/1	0.76	0.14	62,62,62,62	0
55	MG	2a	1808	1/1	0.76	0.08	76,76,76,76	0
55	MG	1a	1644	1/1	0.76	0.19	70,70,70,70	0
55	MG	2A	3703	1/1	0.76	0.23	56,56,56,56	0
55	MG	2A	3777	1/1	0.76	0.15	63,63,63,63	0
55	MG	2A	3915	1/1	0.76	0.20	70,70,70,70	0
55	MG	2A	3594	1/1	0.76	1.04	43,43,43,43	0
55	MG	1A	3481	1/1	0.76	0.12	56,56,56,56	0
55	MG	2a	1782	1/1	0.76	0.09	79,79,79,79	0
55	MG	2A	3596	1/1	0.76	0.11	68,68,68,68	0
55	MG	1A	3602	1/1	0.76	0.20	46,46,46,46	0
55	MG	2A	3872	1/1	0.76	0.11	71,71,71,71	0
55	MG	2a	1805	1/1	0.77	0.21	66,66,66,66	0
55	MG	1a	1842	1/1	0.77	0.15	56,56,56,56	0
55	MG	2A	3776	1/1	0.77	0.21	69,69,69,69	0
55	MG	1A	3256	1/1	0.77	0.07	68,68,68,68	0
55	MG	1A	3264	1/1	0.77	0.15	58,58,58,58	0
55	MG	1A	3723	1/1	0.77	0.19	63,63,63,63	0
55	MG	2A	3492	1/1	0.77	0.49	41,41,41,41	0
55	MG	2A	3803	1/1	0.77	0.12	83,83,83,83	0
55	MG	2A	3331	1/1	0.77	0.21	46,46,46,46	0
55	MG	2A	3236	1/1	0.77	0.09	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3365	1/1	0.77	0.15	72,72,72,72	0
55	MG	1A	3782	1/1	0.77	0.13	60,60,60,60	0
55	MG	1a	1750	1/1	0.77	0.10	68,68,68,68	0
55	MG	2z	102	1/1	0.77	0.17	78,78,78,78	0
55	MG	1A	3325	1/1	0.78	0.18	29,29,29,29	0
55	MG	2B	3008	1/1	0.78	0.18	69,69,69,69	0
55	MG	2a	1624	1/1	0.78	0.25	62,62,62,62	0
55	MG	2a	1773	1/1	0.78	0.14	84,84,84,84	0
55	MG	2a	1778	1/1	0.78	0.16	63,63,63,63	0
55	MG	1a	1724	1/1	0.78	0.28	70,70,70,70	0
55	MG	2a	1642	1/1	0.78	0.23	80,80,80,80	0
55	MG	1A	3589	1/1	0.78	0.13	72,72,72,72	0
55	MG	2A	3867	1/1	0.78	0.08	58,58,58,58	0
55	MG	2A	3326	1/1	0.78	0.07	54,54,54,54	0
55	MG	2A	3495	1/1	0.78	0.10	42,42,42,42	0
55	MG	1A	3238	1/1	0.78	0.16	20,20,20,20	0
55	MG	2E	303	1/1	0.78	0.37	37,37,37,37	0
55	MG	2A	3200	1/1	0.78	0.26	41,41,41,41	0
55	MG	1A	3617	1/1	0.78	0.10	54,54,54,54	0
55	MG	2a	1832	1/1	0.78	0.15	83,83,83,83	0
55	MG	1a	1789	1/1	0.78	0.12	117,117,117,117	0
55	MG	2A	3677	1/1	0.78	0.10	48,48,48,48	0
55	MG	1a	1720	1/1	0.78	0.22	79,79,79,79	0
55	MG	20	102	1/1	0.78	0.09	66,66,66,66	0
55	MG	2a	1603	1/1	0.78	0.09	93,93,93,93	0
55	MG	2A	3683	1/1	0.78	0.11	57,57,57,57	0
55	MG	1A	3274	1/1	0.78	0.16	79,79,79,79	0
55	MG	2a	1746	1/1	0.78	0.14	87,87,87,87	0
55	MG	2B	3005	1/1	0.78	0.09	74,74,74,74	0
55	MG	23	102	1/1	0.79	0.30	59,59,59,59	0
55	MG	1A	3255	1/1	0.79	0.13	57,57,57,57	0
55	MG	1A	3556	1/1	0.79	0.45	34,34,34,34	0
55	MG	2A	3116	1/1	0.79	0.18	45,45,45,45	0
55	MG	1a	1616	1/1	0.79	0.24	75,75,75,75	0
55	MG	2A	3939	1/1	0.79	0.30	53,53,53,53	0
55	MG	1A	3903	1/1	0.79	0.15	36,36,36,36	0
55	MG	2A	3765	1/1	0.79	0.10	67,67,67,67	0
55	MG	2A	3153	1/1	0.79	0.12	52,52,52,52	0
55	MG	2A	3174	1/1	0.79	0.24	36,36,36,36	0
55	MG	2B	3010	1/1	0.79	0.23	70,70,70,70	0
55	MG	1A	3673	1/1	0.79	0.26	40,40,40,40	0
55	MG	1A	3699	1/1	0.79	0.13	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3122	1/1	0.79	0.17	39,39,39,39	0
55	MG	1A	3313	1/1	0.79	0.13	41,41,41,41	0
55	MG	2a	1809	1/1	0.79	0.10	68,68,68,68	0
55	MG	1A	3002	1/1	0.79	0.12	49,49,49,49	0
55	MG	1d	303	1/1	0.79	0.18	59,59,59,59	0
55	MG	1A	3328	1/1	0.79	0.14	45,45,45,45	0
55	MG	1A	3455	1/1	0.79	0.16	89,89,89,89	0
55	MG	2A	3521	1/1	0.79	0.11	48,48,48,48	0
55	MG	2a	1682	1/1	0.79	0.27	73,73,73,73	0
55	MG	2A	3557	1/1	0.79	0.23	77,77,77,77	0
55	MG	2A	3706	1/1	0.79	0.16	70,70,70,70	0
55	MG	2Q	203	1/1	0.79	0.24	51,51,51,51	0
55	MG	1A	3532	1/1	0.79	0.21	68,68,68,68	0
55	MG	2a	1741	1/1	0.79	0.10	66,66,66,66	0
55	MG	2A	3912	1/1	0.79	0.32	38,38,38,38	0
55	MG	1a	1677	1/1	0.80	0.14	102,102,102,102	0
55	MG	1B	209	1/1	0.80	0.07	41,41,41,41	0
55	MG	15	101	1/1	0.80	0.50	19,19,19,19	0
55	MG	1a	1705	1/1	0.80	0.15	48,48,48,48	0
55	MG	2a	1655	1/1	0.80	0.29	62,62,62,62	0
55	MG	2A	3731	1/1	0.80	0.11	65,65,65,65	0
55	MG	1A	3262	1/1	0.80	0.24	44,44,44,44	0
55	MG	2G	3003	1/1	0.80	0.15	66,66,66,66	0
55	MG	1a	1656	1/1	0.80	0.17	71,71,71,71	0
55	MG	2A	3491	1/1	0.80	0.17	38,38,38,38	0
55	MG	1A	3778	1/1	0.80	0.28	46,46,46,46	0
55	MG	1a	1778	1/1	0.80	0.19	92,92,92,92	0
55	MG	2A	3931	1/1	0.80	0.75	63,63,63,63	0
55	MG	1B	204	1/1	0.80	0.21	63,63,63,63	0
55	MG	2A	3650	1/1	0.80	0.14	71,71,71,71	0
55	MG	2A	3051	1/1	0.80	0.22	51,51,51,51	0
55	MG	2a	1738	1/1	0.80	0.17	83,83,83,83	0
55	MG	1F	301	1/1	0.80	0.09	17,17,17,17	0
55	MG	2A	3068	1/1	0.80	0.26	39,39,39,39	0
55	MG	1a	1791	1/1	0.80	0.16	64,64,64,64	0
55	MG	1G	3001	1/1	0.80	0.08	96,96,96,96	0
55	MG	2A	3857	1/1	0.80	0.24	47,47,47,47	0
55	MG	2a	1628	1/1	0.80	0.30	52,52,52,52	0
55	MG	1a	1742	1/1	0.80	0.12	60,60,60,60	0
55	MG	2a	1606	1/1	0.81	0.23	53,53,53,53	0
55	MG	1a	1650	1/1	0.81	0.22	59,59,59,59	0
55	MG	2a	1616	1/1	0.81	0.17	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1811	1/1	0.81	0.09	61,61,61,61	0
55	MG	2A	3042	1/1	0.81	0.23	29,29,29,29	0
55	MG	2A	3964	1/1	0.81	0.13	42,42,42,42	0
55	MG	2A	3254	1/1	0.81	0.20	74,74,74,74	0
55	MG	2a	1763	1/1	0.81	0.08	73,73,73,73	0
55	MG	1a	1612	1/1	0.81	0.24	60,60,60,60	0
55	MG	1A	3656	1/1	0.81	0.33	36,36,36,36	0
55	MG	2A	3268	1/1	0.81	0.17	55,55,55,55	0
55	MG	1D	316	1/1	0.81	0.23	53,53,53,53	0
55	MG	2A	3668	1/1	0.81	0.21	44,44,44,44	0
55	MG	2a	1645	1/1	0.81	0.21	33,33,33,33	0
55	MG	1a	1668	1/1	0.81	0.21	60,60,60,60	0
55	MG	2A	3849	1/1	0.81	0.27	64,64,64,64	0
55	MG	2a	1652	1/1	0.81	0.14	43,43,43,43	0
55	MG	2A	3302	1/1	0.81	0.23	51,51,51,51	0
55	MG	2A	3520	1/1	0.81	0.14	54,54,54,54	0
55	MG	2a	1659	1/1	0.81	0.27	74,74,74,74	0
55	MG	2a	1827	1/1	0.81	0.15	77,77,77,77	0
55	MG	1D	317	1/1	0.81	0.12	38,38,38,38	0
55	MG	2A	3550	1/1	0.81	0.14	53,53,53,53	0
55	MG	1a	1730	1/1	0.81	0.16	48,48,48,48	0
55	MG	2A	3889	1/1	0.81	0.11	57,57,57,57	0
55	MG	1a	1642	1/1	0.81	0.14	89,89,89,89	0
55	MG	2A	3564	1/1	0.81	0.29	42,42,42,42	0
55	MG	1A	3731	1/1	0.81	0.16	60,60,60,60	0
55	MG	2a	1705	1/1	0.81	0.27	63,63,63,63	0
55	MG	2A	3590	1/1	0.81	0.49	43,43,43,43	0
55	MG	1A	3163	1/1	0.81	0.33	32,32,32,32	0
55	MG	2t	201	1/1	0.81	0.19	75,75,75,75	0
55	MG	2A	3187	1/1	0.81	0.15	63,63,63,63	0
55	MG	2A	3194	1/1	0.81	0.23	40,40,40,40	0
55	MG	2A	3462	1/1	0.82	0.29	59,59,59,59	0
55	MG	25	103	1/1	0.82	0.29	49,49,49,49	0
55	MG	2A	3729	1/1	0.82	0.11	66,66,66,66	0
55	MG	2A	3073	1/1	0.82	0.11	41,41,41,41	0
55	MG	2A	3473	1/1	0.82	0.11	66,66,66,66	0
55	MG	2A	3930	1/1	0.82	0.12	61,61,61,61	0
55	MG	2A	3742	1/1	0.82	0.14	52,52,52,52	0
55	MG	2A	3744	1/1	0.82	0.12	58,58,58,58	0
55	MG	2A	3086	1/1	0.82	0.18	61,61,61,61	0
55	MG	1A	3875	1/1	0.82	0.35	26,26,26,26	0
55	MG	1a	1674	1/1	0.82	0.22	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3899	1/1	0.82	0.20	68,68,68,68	0
55	MG	1A	3112	1/1	0.82	0.25	46,46,46,46	0
55	MG	2a	1636	1/1	0.82	0.37	63,63,63,63	0
55	MG	1A	3558	1/1	0.82	0.47	19,19,19,19	0
55	MG	1A	3544	1/1	0.82	0.12	51,51,51,51	0
55	MG	2a	1789	1/1	0.82	0.27	51,51,51,51	0
55	MG	1A	3957	1/1	0.82	0.17	78,78,78,78	0
55	MG	1A	3650	1/1	0.82	0.31	76,76,76,76	0
55	MG	2B	3025	1/1	0.82	0.09	63,63,63,63	0
55	MG	2A	3672	1/1	0.82	0.08	65,65,65,65	0
55	MG	2A	3538	1/1	0.82	0.08	52,52,52,52	0
55	MG	2A	3047	1/1	0.82	0.19	39,39,39,39	0
55	MG	2A	3201	1/1	0.82	0.13	71,71,71,71	0
55	MG	2F	311	1/1	0.82	0.12	72,72,72,72	0
55	MG	1A	3081	1/1	0.82	0.28	41,41,41,41	0
55	MG	2A	3563	1/1	0.82	0.63	46,46,46,46	0
55	MG	1a	1631	1/1	0.82	0.13	61,61,61,61	0
55	MG	2A	3406	1/1	0.82	0.10	45,45,45,45	0
55	MG	2a	1677	1/1	0.82	0.09	68,68,68,68	0
55	MG	2A	3570	1/1	0.82	0.31	53,53,53,53	0
55	MG	2d	504	1/1	0.82	0.14	66,66,66,66	0
55	MG	1a	1838	1/1	0.82	0.12	27,27,27,27	0
55	MG	2a	1688	1/1	0.82	0.24	71,71,71,71	0
55	MG	2U	205	1/1	0.82	0.39	49,49,49,49	0
55	MG	2a	1709	1/1	0.82	0.15	102,102,102,102	0
55	MG	2A	3723	1/1	0.82	0.60	65,65,65,65	0
55	MG	2A	3726	1/1	0.82	0.19	73,73,73,73	0
55	MG	2A	3542	1/1	0.83	0.12	66,66,66,66	0
55	MG	2A	3549	1/1	0.83	0.08	65,65,65,65	0
55	MG	2A	3704	1/1	0.83	0.08	69,69,69,69	0
55	MG	2A	3126	1/1	0.83	0.10	71,71,71,71	0
55	MG	2a	1611	1/1	0.83	0.38	48,48,48,48	0
55	MG	1a	1749	1/1	0.83	0.15	68,68,68,68	0
55	MG	1A	3763	1/1	0.83	0.10	40,40,40,40	0
55	MG	2A	3150	1/1	0.83	1.27	34,34,34,34	0
55	MG	2a	1751	1/1	0.83	0.07	93,93,93,93	0
55	MG	1A	3474	1/1	0.83	0.64	18,18,18,18	0
55	MG	1A	3590	1/1	0.83	0.10	47,47,47,47	0
55	MG	1i	3001	1/1	0.83	0.21	74,74,74,74	0
55	MG	2A	3941	1/1	0.83	0.35	104,104,104,104	0
55	MG	2A	3571	1/1	0.83	0.15	50,50,50,50	0
55	MG	2A	3394	1/1	0.83	0.13	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3229	1/1	0.83	0.07	42,42,42,42	0
55	MG	1a	1700	1/1	0.83	0.17	75,75,75,75	0
55	MG	1A	3253	1/1	0.83	0.10	59,59,59,59	0
55	MG	1a	1645	1/1	0.83	0.23	64,64,64,64	0
55	MG	1A	3621	1/1	0.83	0.13	58,58,58,58	0
55	MG	1A	3027	1/1	0.83	0.20	46,46,46,46	0
55	MG	18	3301	1/1	0.83	0.21	45,45,45,45	0
55	MG	1B	215	1/1	0.83	0.09	50,50,50,50	0
55	MG	1a	1605	1/1	0.83	0.16	60,60,60,60	0
55	MG	2A	3262	1/1	0.83	0.21	51,51,51,51	0
55	MG	2A	3643	1/1	0.83	0.28	49,49,49,49	0
55	MG	2A	3502	1/1	0.83	0.09	69,69,69,69	0
55	MG	2A	3658	1/1	0.83	0.25	45,45,45,45	0
55	MG	1A	3563	1/1	0.83	0.37	28,28,28,28	0
55	MG	2a	1675	1/1	0.83	0.21	44,44,44,44	0
55	MG	1A	3491	1/1	0.83	0.12	21,21,21,21	0
55	MG	2A	3675	1/1	0.83	0.13	63,63,63,63	0
55	MG	2A	3289	1/1	0.83	0.11	64,64,64,64	0
55	MG	2A	3874	1/1	0.83	0.20	67,67,67,67	0
55	MG	2A	3876	1/1	0.83	0.12	38,38,38,38	0
55	MG	2U	201	1/1	0.83	0.20	55,55,55,55	0
55	MG	2A	3097	1/1	0.83	0.16	69,69,69,69	0
55	MG	1D	315	1/1	0.83	0.06	68,68,68,68	0
55	MG	2A	3303	1/1	0.83	0.12	55,55,55,55	0
55	MG	1a	1770	1/1	0.84	0.17	53,53,53,53	0
55	MG	2B	3009	1/1	0.84	0.14	72,72,72,72	0
55	MG	1a	1772	1/1	0.84	0.22	71,71,71,71	0
55	MG	2A	3177	1/1	0.84	0.06	42,42,42,42	0
55	MG	2a	1631	1/1	0.84	0.26	56,56,56,56	0
55	MG	2A	3833	1/1	0.84	0.15	44,44,44,44	0
55	MG	2A	3017	1/1	0.84	0.22	36,36,36,36	0
55	MG	1a	1775	1/1	0.84	0.12	68,68,68,68	0
55	MG	2A	3025	1/1	0.84	0.28	42,42,42,42	0
55	MG	1A	3494	1/1	0.84	0.09	28,28,28,28	0
55	MG	1A	3804	1/1	0.84	0.19	26,26,26,26	0
55	MG	1F	310	1/1	0.84	0.15	18,18,18,18	0
55	MG	2A	3881	1/1	0.84	0.14	49,49,49,49	0
55	MG	1a	1733	1/1	0.84	0.21	67,67,67,67	0
55	MG	2A	3056	1/1	0.84	0.12	54,54,54,54	0
55	MG	1a	1671	1/1	0.84	0.10	49,49,49,49	0
55	MG	1B	202	1/1	0.84	0.17	52,52,52,52	0
55	MG	2A	3908	1/1	0.84	0.10	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3640	1/1	0.84	0.23	35,35,35,35	0
55	MG	2R	202	1/1	0.84	0.15	43,43,43,43	0
55	MG	2a	1669	1/1	0.84	0.12	56,56,56,56	0
55	MG	1a	1830	1/1	0.84	0.14	56,56,56,56	0
55	MG	1A	3279	1/1	0.84	0.16	70,70,70,70	0
55	MG	2A	3508	1/1	0.84	0.09	59,59,59,59	0
55	MG	2A	3106	1/1	0.84	0.27	43,43,43,43	0
55	MG	20	104	1/1	0.84	0.10	62,62,62,62	0
55	MG	1A	3687	1/1	0.84	0.10	46,46,46,46	0
55	MG	2A	3754	1/1	0.84	0.15	39,39,39,39	0
55	MG	1A	3774	1/1	0.84	0.18	54,54,54,54	0
55	MG	2g	3001	1/1	0.84	0.17	64,64,64,64	0
55	MG	2A	3644	1/1	0.84	0.23	48,48,48,48	0
55	MG	1A	3269	1/1	0.84	0.17	49,49,49,49	0
55	MG	2A	3524	1/1	0.84	0.12	74,74,74,74	0
55	MG	1A	3780	1/1	0.84	0.17	39,39,39,39	0
55	MG	1A	3907	1/1	0.84	0.38	20,20,20,20	0
55	MG	1A	3493	1/1	0.84	0.21	44,44,44,44	0
55	MG	1A	3722	1/1	0.85	0.17	49,49,49,49	0
55	MG	2A	3749	1/1	0.85	0.08	56,56,56,56	0
55	MG	2A	3504	1/1	0.85	0.48	71,71,71,71	0
55	MG	1A	3574	1/1	0.85	0.11	49,49,49,49	0
55	MG	1A	3149	1/1	0.85	0.17	15,15,15,15	0
55	MG	2A	3640	1/1	0.85	0.07	72,72,72,72	0
55	MG	2A	3149	1/1	0.85	0.27	43,43,43,43	0
55	MG	2A	3517	1/1	0.85	0.14	48,48,48,48	0
55	MG	2A	3316	1/1	0.85	0.14	32,32,32,32	0
55	MG	2A	3779	1/1	0.85	0.08	60,60,60,60	0
55	MG	2A	3781	1/1	0.85	0.54	53,53,53,53	0
55	MG	1a	1782	1/1	0.85	0.17	68,68,68,68	0
55	MG	2A	3659	1/1	0.85	0.51	45,45,45,45	0
55	MG	1G	3002	1/1	0.85	0.11	49,49,49,49	0
55	MG	2a	1638	1/1	0.85	0.17	50,50,50,50	0
55	MG	2A	3532	1/1	0.85	0.15	56,56,56,56	0
55	MG	1a	1638	1/1	0.85	0.20	30,30,30,30	0
55	MG	2A	3031	1/1	0.85	0.16	45,45,45,45	0
55	MG	1A	3466	1/1	0.85	0.10	36,36,36,36	0
55	MG	1A	3033	1/1	0.85	0.11	49,49,49,49	0
55	MG	1a	1684	1/1	0.85	0.24	44,44,44,44	0
55	MG	1A	3061	1/1	0.85	0.08	34,34,34,34	0
55	MG	2A	3396	1/1	0.85	0.20	49,49,49,49	0
55	MG	2A	3875	1/1	0.85	0.28	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1831	1/1	0.85	0.15	66,66,66,66	0
55	MG	2A	3232	1/1	0.85	0.11	44,44,44,44	0
55	MG	2a	1822	1/1	0.85	0.07	51,51,51,51	0
55	MG	1A	3364	1/1	0.85	0.10	54,54,54,54	0
55	MG	1D	311	1/1	0.85	0.17	43,43,43,43	0
55	MG	2A	3248	1/1	0.85	0.11	44,44,44,44	0
55	MG	1A	3485	1/1	0.85	0.43	30,30,30,30	0
55	MG	1A	3514	1/1	0.85	0.11	38,38,38,38	0
55	MG	1A	3515	1/1	0.85	0.26	49,49,49,49	0
55	MG	2a	1837	1/1	0.85	0.16	51,51,51,51	0
55	MG	1a	1664	1/1	0.85	0.15	67,67,67,67	0
55	MG	1d	304	1/1	0.85	0.18	68,68,68,68	0
55	MG	20	105	1/1	0.85	0.29	62,62,62,62	0
55	MG	2a	1689	1/1	0.85	0.13	63,63,63,63	0
55	MG	2a	1690	1/1	0.85	0.17	53,53,53,53	0
55	MG	2a	1694	1/1	0.85	0.15	53,53,53,53	0
55	MG	2a	1697	1/1	0.85	0.07	66,66,66,66	0
55	MG	2a	1701	1/1	0.85	0.07	84,84,84,84	0
55	MG	2A	3123	1/1	0.85	0.15	49,49,49,49	0
55	MG	2A	3743	1/1	0.85	0.14	55,55,55,55	0
55	MG	1A	3224	1/1	0.86	0.39	32,32,32,32	0
55	MG	2a	1704	1/1	0.86	0.22	63,63,63,63	0
55	MG	2A	3916	1/1	0.86	0.24	48,48,48,48	0
55	MG	1a	1611	1/1	0.86	0.12	48,48,48,48	0
55	MG	2A	3624	1/1	0.86	0.22	56,56,56,56	0
55	MG	1A	3100	1/1	0.86	0.13	43,43,43,43	0
55	MG	1a	1659	1/1	0.86	0.25	70,70,70,70	0
55	MG	2a	1607	1/1	0.86	0.21	49,49,49,49	0
55	MG	1A	3257	1/1	0.86	0.33	54,54,54,54	0
55	MG	1a	1708	1/1	0.86	0.12	63,63,63,63	0
55	MG	2A	3130	1/1	0.86	0.17	41,41,41,41	0
55	MG	2A	3132	1/1	0.86	0.12	36,36,36,36	0
55	MG	2A	3954	1/1	0.86	0.35	36,36,36,36	0
55	MG	1a	1717	1/1	0.86	0.17	49,49,49,49	0
55	MG	2B	3003	1/1	0.86	0.27	67,67,67,67	0
55	MG	1a	1662	1/1	0.86	0.09	72,72,72,72	0
55	MG	2a	1625	1/1	0.86	0.17	59,59,59,59	0
55	MG	2A	3534	1/1	0.86	0.24	43,43,43,43	0
55	MG	1A	3949	1/1	0.86	0.38	14,14,14,14	0
55	MG	2a	1774	1/1	0.86	0.08	81,81,81,81	0
55	MG	2A	3673	1/1	0.86	0.09	58,58,58,58	0
55	MG	1U	202	1/1	0.86	0.28	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1665	1/1	0.86	0.22	75,75,75,75	0
55	MG	2B	3015	1/1	0.86	0.07	62,62,62,62	0
55	MG	2A	3806	1/1	0.86	0.64	54,54,54,54	0
55	MG	2a	1795	1/1	0.86	0.23	53,53,53,53	0
55	MG	1a	1728	1/1	0.86	0.07	69,69,69,69	0
55	MG	2A	3819	1/1	0.86	0.34	55,55,55,55	0
55	MG	1a	1667	1/1	0.86	0.25	63,63,63,63	0
55	MG	2D	308	1/1	0.86	0.20	64,64,64,64	0
55	MG	1a	1622	1/1	0.86	0.15	59,59,59,59	0
55	MG	2A	3695	1/1	0.86	0.17	39,39,39,39	0
55	MG	2A	3179	1/1	0.86	0.23	39,39,39,39	0
55	MG	2A	3032	1/1	0.86	0.16	51,51,51,51	0
55	MG	1a	1796	1/1	0.86	0.12	57,57,57,57	0
55	MG	2A	3039	1/1	0.86	0.12	45,45,45,45	0
55	MG	2a	1665	1/1	0.86	0.17	48,48,48,48	0
55	MG	1a	1798	1/1	0.86	0.13	48,48,48,48	0
55	MG	1a	1806	1/1	0.86	0.14	74,74,74,74	0
55	MG	2a	1673	1/1	0.86	0.27	61,61,61,61	0
55	MG	1A	3952	1/1	0.86	0.17	23,23,23,23	0
55	MG	2N	202	1/1	0.86	0.06	64,64,64,64	0
55	MG	2A	3052	1/1	0.86	0.48	47,47,47,47	0
55	MG	1A	3056	1/1	0.86	0.17	50,50,50,50	0
55	MG	2S	201	1/1	0.86	0.11	46,46,46,46	0
55	MG	1A	3663	1/1	0.86	0.08	77,77,77,77	0
55	MG	1A	3054	1/1	0.86	0.16	34,34,34,34	0
55	MG	2X	101	1/1	0.86	0.23	64,64,64,64	0
55	MG	2t	202	1/1	0.86	0.42	72,72,72,72	0
55	MG	2A	3606	1/1	0.86	0.37	66,66,66,66	0
55	MG	1A	3198	1/1	0.86	0.12	67,67,67,67	0
55	MG	1D	304	1/1	0.87	0.26	34,34,34,34	0
55	MG	1A	3883	1/1	0.87	0.10	39,39,39,39	0
55	MG	1A	3646	1/1	0.87	0.14	38,38,38,38	0
55	MG	2A	3691	1/1	0.87	0.08	49,49,49,49	0
55	MG	2W	3003	1/1	0.87	0.20	43,43,43,43	0
55	MG	2a	1700	1/1	0.87	0.11	68,68,68,68	0
55	MG	2A	3882	1/1	0.87	0.22	64,64,64,64	0
55	MG	2A	3102	1/1	0.87	0.17	45,45,45,45	0
55	MG	1A	3197	1/1	0.87	0.14	21,21,21,21	0
55	MG	2A	3699	1/1	0.87	0.07	56,56,56,56	0
55	MG	2A	3546	1/1	0.87	0.11	52,52,52,52	0
55	MG	2a	1722	1/1	0.87	0.10	52,52,52,52	0
55	MG	2A	3112	1/1	0.87	0.30	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3114	1/1	0.87	0.12	43,43,43,43	0
55	MG	29	104	1/1	0.87	0.18	75,75,75,75	0
55	MG	1a	1619	1/1	0.87	0.13	52,52,52,52	0
55	MG	2A	3118	1/1	0.87	0.17	44,44,44,44	0
55	MG	2A	3561	1/1	0.87	0.20	55,55,55,55	0
55	MG	2a	1610	1/1	0.87	0.13	79,79,79,79	0
55	MG	1A	3735	1/1	0.87	0.22	63,63,63,63	0
55	MG	1A	3372	1/1	0.87	0.08	68,68,68,68	0
55	MG	1A	3411	1/1	0.87	0.28	51,51,51,51	0
55	MG	1a	1759	1/1	0.87	0.08	94,94,94,94	0
55	MG	2a	1759	1/1	0.87	0.11	84,84,84,84	0
55	MG	1A	3413	1/1	0.87	0.10	39,39,39,39	0
55	MG	2a	1767	1/1	0.87	0.27	74,74,74,74	0
55	MG	2A	3932	1/1	0.87	0.22	56,56,56,56	0
55	MG	2A	3580	1/1	0.87	0.15	60,60,60,60	0
55	MG	1a	1765	1/1	0.87	0.10	81,81,81,81	0
55	MG	2a	1777	1/1	0.87	0.19	55,55,55,55	0
55	MG	1A	3020	1/1	0.87	0.10	22,22,22,22	0
55	MG	2a	1626	1/1	0.87	0.07	53,53,53,53	0
55	MG	1N	203	1/1	0.87	0.13	55,55,55,55	0
55	MG	2A	3745	1/1	0.87	0.33	48,48,48,48	0
55	MG	1a	1774	1/1	0.87	0.23	66,66,66,66	0
55	MG	2A	3165	1/1	0.87	0.15	55,55,55,55	0
55	MG	2a	1637	1/1	0.87	0.18	47,47,47,47	0
55	MG	2A	3412	1/1	0.87	0.15	68,68,68,68	0
55	MG	1A	3513	1/1	0.87	0.08	46,46,46,46	0
55	MG	1A	3786	1/1	0.87	0.10	65,65,65,65	0
55	MG	1a	1653	1/1	0.87	0.24	43,43,43,43	0
55	MG	2A	3178	1/1	0.87	0.18	37,37,37,37	0
55	MG	1A	3084	1/1	0.87	0.11	48,48,48,48	0
55	MG	1a	1784	1/1	0.87	0.19	74,74,74,74	0
55	MG	2A	3037	1/1	0.87	0.14	39,39,39,39	0
55	MG	1A	3164	1/1	0.87	0.19	23,23,23,23	0
55	MG	2A	3040	1/1	0.87	0.38	51,51,51,51	0
55	MG	2A	3213	1/1	0.87	0.26	37,37,37,37	0
55	MG	2A	3649	1/1	0.87	0.09	26,26,26,26	0
55	MG	1a	1790	1/1	0.87	0.08	76,76,76,76	0
55	MG	2A	3653	1/1	0.87	0.20	76,76,76,76	0
55	MG	1B	210	1/1	0.87	0.09	52,52,52,52	0
55	MG	2d	503	1/1	0.87	0.12	77,77,77,77	0
55	MG	2a	1668	1/1	0.87	0.48	60,60,60,60	0
55	MG	2A	3828	1/1	0.87	0.20	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3046	1/1	0.87	0.25	40,40,40,40	0
55	MG	2A	3842	1/1	0.87	0.13	65,65,65,65	0
55	MG	1a	1604	1/1	0.87	0.22	73,73,73,73	0
55	MG	1A	3175	1/1	0.87	0.20	50,50,50,50	0
55	MG	2a	1678	1/1	0.87	0.13	60,60,60,60	0
55	MG	1A	3267	1/1	0.87	0.15	20,20,20,20	0
55	MG	1A	3330	1/1	0.87	0.17	57,57,57,57	0
55	MG	2A	3871	1/1	0.88	0.14	39,39,39,39	0
55	MG	2A	3255	1/1	0.88	0.22	35,35,35,35	0
55	MG	1A	3522	1/1	0.88	0.08	71,71,71,71	0
55	MG	1A	3058	1/1	0.88	0.13	49,49,49,49	0
55	MG	1A	3078	1/1	0.88	0.37	30,30,30,30	0
55	MG	1A	3250	1/1	0.88	0.08	44,44,44,44	0
55	MG	1A	3486	1/1	0.88	0.09	35,35,35,35	0
55	MG	2A	3284	1/1	0.88	0.10	79,79,79,79	0
55	MG	2A	3619	1/1	0.88	0.15	74,74,74,74	0
55	MG	2A	3621	1/1	0.88	0.11	62,62,62,62	0
55	MG	1a	1621	1/1	0.88	0.07	38,38,38,38	0
55	MG	2a	1656	1/1	0.88	0.13	76,76,76,76	0
55	MG	1B	226	1/1	0.88	0.08	49,49,49,49	0
55	MG	2A	3034	1/1	0.88	0.09	40,40,40,40	0
55	MG	2a	1660	1/1	0.88	0.22	42,42,42,42	0
55	MG	1a	1626	1/1	0.88	0.19	47,47,47,47	0
55	MG	1B	227	1/1	0.88	0.10	29,29,29,29	0
55	MG	1a	1744	1/1	0.88	0.26	64,64,64,64	0
55	MG	1a	1636	1/1	0.88	0.17	62,62,62,62	0
55	MG	1a	1748	1/1	0.88	0.11	86,86,86,86	0
55	MG	1B	228	1/1	0.88	0.06	53,53,53,53	0
55	MG	1a	1639	1/1	0.88	0.15	63,63,63,63	0
55	MG	1a	1751	1/1	0.88	0.06	98,98,98,98	0
55	MG	2A	3372	1/1	0.88	0.16	56,56,56,56	0
55	MG	1A	3793	1/1	0.88	0.28	36,36,36,36	0
55	MG	1A	3125	1/1	0.88	0.39	26,26,26,26	0
55	MG	1A	3489	1/1	0.88	0.06	23,23,23,23	0
55	MG	1A	3668	1/1	0.88	0.10	43,43,43,43	0
55	MG	2A	3961	1/1	0.88	0.14	52,52,52,52	0
55	MG	2A	3676	1/1	0.88	0.18	62,62,62,62	0
55	MG	2A	3081	1/1	0.88	0.21	40,40,40,40	0
55	MG	2A	3679	1/1	0.88	0.13	60,60,60,60	0
55	MG	1A	3135	1/1	0.88	0.13	22,22,22,22	0
55	MG	1A	3136	1/1	0.88	0.17	31,31,31,31	0
55	MG	2A	3684	1/1	0.88	0.13	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1654	1/1	0.88	0.19	46,46,46,46	0
55	MG	2a	1703	1/1	0.88	0.11	60,60,60,60	0
55	MG	1a	1655	1/1	0.88	0.20	35,35,35,35	0
55	MG	1A	3138	1/1	0.88	0.15	52,52,52,52	0
55	MG	2A	3481	1/1	0.88	0.29	40,40,40,40	0
55	MG	2a	1714	1/1	0.88	0.19	55,55,55,55	0
55	MG	2A	3485	1/1	0.88	0.12	60,60,60,60	0
55	MG	2B	3020	1/1	0.88	0.09	58,58,58,58	0
55	MG	2B	3022	1/1	0.88	0.20	68,68,68,68	0
55	MG	1F	302	1/1	0.88	0.18	29,29,29,29	0
55	MG	2a	1735	1/1	0.88	0.09	87,87,87,87	0
55	MG	2A	3488	1/1	0.88	0.07	64,64,64,64	0
55	MG	1A	3882	1/1	0.88	0.08	56,56,56,56	0
55	MG	2D	309	1/1	0.88	0.20	47,47,47,47	0
55	MG	1A	3301	1/1	0.88	0.08	32,32,32,32	0
55	MG	2A	3720	1/1	0.88	0.16	60,60,60,60	0
55	MG	1A	3509	1/1	0.88	0.09	45,45,45,45	0
55	MG	1A	3457	1/1	0.88	0.10	41,41,41,41	0
55	MG	1A	3108	1/1	0.88	0.23	24,24,24,24	0
55	MG	1A	3910	1/1	0.88	0.19	44,44,44,44	0
55	MG	2a	1755	1/1	0.88	0.09	99,99,99,99	0
55	MG	10	106	1/1	0.88	0.08	39,39,39,39	0
55	MG	10	107	1/1	0.88	0.34	40,40,40,40	0
55	MG	1a	1794	1/1	0.88	0.14	45,45,45,45	0
55	MG	2a	1768	1/1	0.88	0.08	59,59,59,59	0
55	MG	1A	3320	1/1	0.88	0.08	44,44,44,44	0
55	MG	2A	3151	1/1	0.88	0.08	37,37,37,37	0
55	MG	2A	3152	1/1	0.88	0.20	36,36,36,36	0
55	MG	15	102	1/1	0.88	0.14	33,33,33,33	0
55	MG	2A	3528	1/1	0.88	0.07	62,62,62,62	0
55	MG	1a	1672	1/1	0.88	0.26	70,70,70,70	0
55	MG	2V	204	1/1	0.88	0.16	53,53,53,53	0
55	MG	1A	3475	1/1	0.88	0.17	37,37,37,37	0
55	MG	2A	3757	1/1	0.88	0.12	60,60,60,60	0
55	MG	2A	3536	1/1	0.88	0.16	58,58,58,58	0
55	MG	20	101	1/1	0.88	0.12	48,48,48,48	0
55	MG	1A	3946	1/1	0.88	0.13	40,40,40,40	0
55	MG	1a	1680	1/1	0.88	0.26	65,65,65,65	0
55	MG	2A	3774	1/1	0.88	0.06	49,49,49,49	0
55	MG	2A	3543	1/1	0.88	0.12	57,57,57,57	0
55	MG	18	3302	1/1	0.88	0.22	24,24,24,24	0
55	MG	1a	1683	1/1	0.88	0.16	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1601	1/1	0.88	0.16	45,45,45,45	0
55	MG	2A	3556	1/1	0.88	0.18	65,65,65,65	0
55	MG	1A	3623	1/1	0.88	0.08	59,59,59,59	0
55	MG	2A	3198	1/1	0.88	0.10	49,49,49,49	0
55	MG	1a	1603	1/1	0.88	0.14	49,49,49,49	0
55	MG	1a	1840	1/1	0.88	0.16	81,81,81,81	0
55	MG	2a	1615	1/1	0.88	0.14	80,80,80,80	0
55	MG	1A	3739	1/1	0.88	0.14	49,49,49,49	0
55	MG	2a	1840	1/1	0.88	0.14	59,59,59,59	0
55	MG	1A	3742	1/1	0.88	0.10	77,77,77,77	0
55	MG	1b	3001	1/1	0.88	0.09	79,79,79,79	0
55	MG	1a	1711	1/1	0.88	0.10	72,72,72,72	0
55	MG	2f	8001	1/1	0.88	0.13	75,75,75,75	0
55	MG	2a	1620	1/1	0.88	0.10	58,58,58,58	0
55	MG	2h	3002	1/1	0.88	0.10	73,73,73,73	0
55	MG	2A	3247	1/1	0.88	0.16	48,48,48,48	0
55	MG	2a	1622	1/1	0.88	0.19	51,51,51,51	0
55	MG	1A	3743	1/1	0.88	0.19	19,19,19,19	0
55	MG	1A	3635	1/1	0.88	0.14	65,65,65,65	0
55	MG	2A	3866	1/1	0.88	0.15	49,49,49,49	0
55	MG	2A	3592	1/1	0.88	0.52	43,43,43,43	0
55	MG	2A	3868	1/1	0.88	0.21	106,106,106,106	0
55	MG	2A	3041	1/1	0.89	0.11	46,46,46,46	0
55	MG	1A	3840	1/1	0.89	0.14	36,36,36,36	0
55	MG	1a	1768	1/1	0.89	0.10	75,75,75,75	0
55	MG	1A	3700	1/1	0.89	0.07	48,48,48,48	0
55	MG	1A	3297	1/1	0.89	0.28	34,34,34,34	0
55	MG	1A	3872	1/1	0.89	0.28	86,86,86,86	0
55	MG	2B	3024	1/1	0.89	0.10	62,62,62,62	0
55	MG	2A	3059	1/1	0.89	0.18	67,67,67,67	0
55	MG	2A	3562	1/1	0.89	0.45	39,39,39,39	0
55	MG	1a	1614	1/1	0.89	0.21	75,75,75,75	0
55	MG	2a	1683	1/1	0.89	0.35	48,48,48,48	0
55	MG	2a	1684	1/1	0.89	0.26	53,53,53,53	0
55	MG	1a	1678	1/1	0.89	0.14	46,46,46,46	0
55	MG	1A	3873	1/1	0.89	0.14	20,20,20,20	0
55	MG	2A	3569	1/1	0.89	0.38	46,46,46,46	0
55	MG	1A	3096	1/1	0.89	0.16	48,48,48,48	0
55	MG	2E	306	1/1	0.89	0.07	35,35,35,35	0
55	MG	2F	301	1/1	0.89	0.09	47,47,47,47	0
55	MG	1a	1682	1/1	0.89	0.17	56,56,56,56	0
55	MG	2A	3317	1/1	0.89	0.09	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3518	1/1	0.89	0.06	50,50,50,50	0
55	MG	1A	3083	1/1	0.89	0.78	33,33,33,33	0
55	MG	1A	3730	1/1	0.89	0.15	61,61,61,61	0
55	MG	2A	3109	1/1	0.89	0.09	43,43,43,43	0
55	MG	2A	3343	1/1	0.89	0.09	39,39,39,39	0
55	MG	1a	1697	1/1	0.89	0.12	53,53,53,53	0
55	MG	2A	3113	1/1	0.89	0.15	35,35,35,35	0
55	MG	1A	3184	1/1	0.89	0.12	33,33,33,33	0
55	MG	2a	1731	1/1	0.89	0.10	62,62,62,62	0
55	MG	1A	3192	1/1	0.89	0.33	31,31,31,31	0
55	MG	2a	1736	1/1	0.89	0.11	46,46,46,46	0
55	MG	2A	3393	1/1	0.89	0.08	74,74,74,74	0
55	MG	1a	1630	1/1	0.89	0.21	42,42,42,42	0
55	MG	1F	303	1/1	0.89	0.28	56,56,56,56	0
55	MG	2a	1744	1/1	0.89	0.19	72,72,72,72	0
55	MG	1A	3537	1/1	0.89	0.18	54,54,54,54	0
55	MG	1F	314	1/1	0.89	0.07	47,47,47,47	0
55	MG	1A	3104	1/1	0.89	0.30	26,26,26,26	0
55	MG	2A	3415	1/1	0.89	0.11	46,46,46,46	0
55	MG	2A	3858	1/1	0.89	0.28	51,51,51,51	0
55	MG	2A	3636	1/1	0.89	0.14	67,67,67,67	0
55	MG	2A	3417	1/1	0.89	0.25	46,46,46,46	0
55	MG	2A	3641	1/1	0.89	0.44	57,57,57,57	0
55	MG	1a	1640	1/1	0.89	0.33	58,58,58,58	0
55	MG	2a	1764	1/1	0.89	0.09	67,67,67,67	0
55	MG	2a	1765	1/1	0.89	0.16	35,35,35,35	0
55	MG	2A	3439	1/1	0.89	0.08	50,50,50,50	0
55	MG	2A	3647	1/1	0.89	0.42	37,37,37,37	0
55	MG	1a	1641	1/1	0.89	0.28	37,37,37,37	0
55	MG	2a	1609	1/1	0.89	0.10	78,78,78,78	0
55	MG	1a	1727	1/1	0.89	0.18	77,77,77,77	0
55	MG	1A	3059	1/1	0.89	0.19	51,51,51,51	0
55	MG	1A	3755	1/1	0.89	0.12	58,58,58,58	0
55	MG	1A	3143	1/1	0.89	0.09	29,29,29,29	0
55	MG	2A	3660	1/1	0.89	0.59	59,59,59,59	0
55	MG	2a	1785	1/1	0.89	0.07	77,77,77,77	0
55	MG	1A	3951	1/1	0.89	0.18	50,50,50,50	0
55	MG	1a	1734	1/1	0.89	0.14	61,61,61,61	0
55	MG	2A	3169	1/1	0.89	0.35	54,54,54,54	0
55	MG	1a	1736	1/1	0.89	0.10	42,42,42,42	0
55	MG	2a	1800	1/1	0.89	0.12	68,68,68,68	0
55	MG	1X	102	1/1	0.89	0.14	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	10	102	1/1	0.89	0.11	36,36,36,36	0
55	MG	10	104	1/1	0.89	0.10	34,34,34,34	0
55	MG	1A	3110	1/1	0.89	0.09	40,40,40,40	0
55	MG	2A	3008	1/1	0.89	0.16	40,40,40,40	0
55	MG	2A	3509	1/1	0.89	0.08	63,63,63,63	0
55	MG	2a	1630	1/1	0.89	0.15	56,56,56,56	0
55	MG	2A	3013	1/1	0.89	0.13	31,31,31,31	0
55	MG	2A	3197	1/1	0.89	0.19	52,52,52,52	0
55	MG	1A	3953	1/1	0.89	0.23	22,22,22,22	0
55	MG	2A	3933	1/1	0.89	0.10	36,36,36,36	0
55	MG	1A	3954	1/1	0.89	0.17	21,21,21,21	0
55	MG	2a	1641	1/1	0.89	0.10	95,95,95,95	0
55	MG	1A	3233	1/1	0.89	0.09	33,33,33,33	0
55	MG	2A	3942	1/1	0.89	0.06	30,30,30,30	0
55	MG	2A	3944	1/1	0.89	0.18	57,57,57,57	0
55	MG	2A	3207	1/1	0.89	0.12	58,58,58,58	0
55	MG	2A	3949	1/1	0.89	0.30	37,37,37,37	0
55	MG	2A	3951	1/1	0.89	0.17	38,38,38,38	0
55	MG	2A	3526	1/1	0.89	0.09	60,60,60,60	0
55	MG	1A	3010	1/1	0.89	0.20	32,32,32,32	0
55	MG	2A	3708	1/1	0.89	0.06	63,63,63,63	0
55	MG	1A	3451	1/1	0.89	0.14	48,48,48,48	0
55	MG	1A	3670	1/1	0.89	0.26	36,36,36,36	0
55	MG	1A	3242	1/1	0.89	0.23	40,40,40,40	0
55	MG	1A	3094	1/1	0.89	0.42	23,23,23,23	0
55	MG	1A	3695	1/1	0.89	0.09	50,50,50,50	0
55	MG	1A	3284	1/1	0.89	0.17	34,34,34,34	0
55	MG	2A	3919	1/1	0.90	0.08	122,122,122,122	0
55	MG	1a	1841	1/1	0.90	0.14	52,52,52,52	0
55	MG	2A	3924	1/1	0.90	0.34	43,43,43,43	0
55	MG	2a	1651	1/1	0.90	0.20	60,60,60,60	0
55	MG	1A	3761	1/1	0.90	0.16	30,30,30,30	0
55	MG	1A	3272	1/1	0.90	0.32	22,22,22,22	0
55	MG	1a	1737	1/1	0.90	0.10	67,67,67,67	0
55	MG	2A	3450	1/1	0.90	0.27	28,28,28,28	0
55	MG	2A	3456	1/1	0.90	0.06	62,62,62,62	0
55	MG	1A	3388	1/1	0.90	0.15	45,45,45,45	0
55	MG	1A	3119	1/1	0.90	0.10	35,35,35,35	0
55	MG	1A	3017	1/1	0.90	0.36	9,9,9,9	0
55	MG	1l	3002	1/1	0.90	0.11	62,62,62,62	0
55	MG	1A	3498	1/1	0.90	0.16	46,46,46,46	0
55	MG	2A	3948	1/1	0.90	0.16	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1667	1/1	0.90	0.25	52,52,52,52	0
55	MG	2A	3173	1/1	0.90	0.19	69,69,69,69	0
55	MG	2A	3681	1/1	0.90	0.13	82,82,82,82	0
55	MG	2a	1671	1/1	0.90	0.22	49,49,49,49	0
55	MG	2A	3002	1/1	0.90	0.12	38,38,38,38	0
55	MG	2A	3489	1/1	0.90	0.14	38,38,38,38	0
55	MG	2A	3004	1/1	0.90	0.24	54,54,54,54	0
55	MG	2A	3971	1/1	0.90	0.12	73,73,73,73	0
55	MG	1A	3783	1/1	0.90	0.14	67,67,67,67	0
55	MG	1A	3080	1/1	0.90	0.26	22,22,22,22	0
55	MG	1A	3506	1/1	0.90	0.16	44,44,44,44	0
55	MG	2A	3185	1/1	0.90	0.14	51,51,51,51	0
55	MG	1A	3800	1/1	0.90	0.08	48,48,48,48	0
55	MG	2A	3507	1/1	0.90	0.08	38,38,38,38	0
55	MG	2A	3021	1/1	0.90	0.51	44,44,44,44	0
55	MG	1A	3290	1/1	0.90	0.14	21,21,21,21	0
55	MG	2A	3709	1/1	0.90	0.10	78,78,78,78	0
55	MG	1A	3217	1/1	0.90	0.09	62,62,62,62	0
55	MG	2A	3714	1/1	0.90	0.10	50,50,50,50	0
55	MG	1A	3597	1/1	0.90	0.08	67,67,67,67	0
55	MG	2B	3023	1/1	0.90	0.22	92,92,92,92	0
55	MG	1B	218	1/1	0.90	0.12	51,51,51,51	0
55	MG	1A	3830	1/1	0.90	0.42	21,21,21,21	0
55	MG	1A	3090	1/1	0.90	0.13	22,22,22,22	0
55	MG	2a	1710	1/1	0.90	0.19	49,49,49,49	0
55	MG	2a	1713	1/1	0.90	0.07	78,78,78,78	0
55	MG	2A	3221	1/1	0.90	0.14	30,30,30,30	0
55	MG	1A	3610	1/1	0.90	0.49	30,30,30,30	0
55	MG	2a	1719	1/1	0.90	0.11	76,76,76,76	0
55	MG	2a	1721	1/1	0.90	0.18	84,84,84,84	0
55	MG	2D	313	1/1	0.90	0.34	34,34,34,34	0
55	MG	1A	3467	1/1	0.90	0.07	23,23,23,23	0
55	MG	2a	1728	1/1	0.90	0.08	79,79,79,79	0
55	MG	2A	3238	1/1	0.90	0.25	30,30,30,30	0
55	MG	2A	3533	1/1	0.90	0.09	65,65,65,65	0
55	MG	1A	3871	1/1	0.90	0.19	48,48,48,48	0
55	MG	2A	3245	1/1	0.90	0.14	54,54,54,54	0
55	MG	2F	303	1/1	0.90	0.36	40,40,40,40	0
55	MG	2F	308	1/1	0.90	0.41	34,34,34,34	0
55	MG	1a	1771	1/1	0.90	0.10	92,92,92,92	0
55	MG	1A	3065	1/1	0.90	0.12	11,11,11,11	0
55	MG	2A	3751	1/1	0.90	0.15	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3622	1/1	0.90	0.10	57,57,57,57	0
55	MG	2A	3048	1/1	0.90	0.67	68,68,68,68	0
55	MG	2A	3548	1/1	0.90	0.18	69,69,69,69	0
55	MG	2a	1750	1/1	0.90	0.13	72,72,72,72	0
55	MG	2A	3763	1/1	0.90	0.17	61,61,61,61	0
55	MG	1A	3074	1/1	0.90	0.17	31,31,31,31	0
55	MG	1A	3877	1/1	0.90	0.09	61,61,61,61	0
55	MG	1a	1623	1/1	0.90	0.25	63,63,63,63	0
55	MG	2T	203	1/1	0.90	0.22	59,59,59,59	0
55	MG	2A	3058	1/1	0.90	0.13	59,59,59,59	0
55	MG	2U	202	1/1	0.90	0.34	39,39,39,39	0
55	MG	2A	3271	1/1	0.90	0.18	34,34,34,34	0
55	MG	1A	3265	1/1	0.90	0.16	43,43,43,43	0
55	MG	2A	3283	1/1	0.90	0.13	61,61,61,61	0
55	MG	1a	1690	1/1	0.90	0.18	65,65,65,65	0
55	MG	1a	1692	1/1	0.90	0.17	53,53,53,53	0
55	MG	2A	3565	1/1	0.90	0.27	33,33,33,33	0
55	MG	1A	3637	1/1	0.90	0.13	36,36,36,36	0
55	MG	1A	3176	1/1	0.90	0.17	20,20,20,20	0
55	MG	1a	1632	1/1	0.90	0.26	57,57,57,57	0
55	MG	2A	3310	1/1	0.90	0.07	69,69,69,69	0
55	MG	2A	3091	1/1	0.90	0.31	38,38,38,38	0
55	MG	2A	3586	1/1	0.90	0.18	35,35,35,35	0
55	MG	2a	1601	1/1	0.90	0.12	66,66,66,66	0
55	MG	2A	3832	1/1	0.90	0.57	39,39,39,39	0
55	MG	1a	1635	1/1	0.90	0.10	46,46,46,46	0
55	MG	1A	3178	1/1	0.90	0.18	34,34,34,34	0
55	MG	2A	3325	1/1	0.90	0.06	76,76,76,76	0
55	MG	2A	3103	1/1	0.90	0.11	40,40,40,40	0
55	MG	1A	3905	1/1	0.90	0.12	61,61,61,61	0
55	MG	1a	1810	1/1	0.90	0.13	81,81,81,81	0
55	MG	2A	3336	1/1	0.90	0.11	57,57,57,57	0
55	MG	2A	3338	1/1	0.90	0.12	51,51,51,51	0
55	MG	1A	3335	1/1	0.90	0.12	36,36,36,36	0
55	MG	1A	3909	1/1	0.90	0.08	58,58,58,58	0
55	MG	1H	202	1/1	0.90	0.10	51,51,51,51	0
55	MG	2A	3115	1/1	0.90	0.22	31,31,31,31	0
55	MG	2A	3376	1/1	0.90	0.08	58,58,58,58	0
55	MG	2A	3879	1/1	0.90	0.11	38,38,38,38	0
55	MG	1A	3749	1/1	0.90	0.10	61,61,61,61	0
55	MG	2A	3381	1/1	0.90	0.19	47,47,47,47	0
55	MG	1A	3753	1/1	0.90	0.24	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2d	502	1/1	0.90	0.17	48,48,48,48	0
55	MG	2A	3632	1/1	0.90	0.12	74,74,74,74	0
55	MG	1A	3754	1/1	0.90	0.15	16,16,16,16	0
55	MG	2A	3893	1/1	0.90	0.18	55,55,55,55	0
55	MG	2a	1632	1/1	0.90	0.15	55,55,55,55	0
55	MG	2a	1634	1/1	0.90	0.05	59,59,59,59	0
55	MG	2A	3395	1/1	0.90	0.07	22,22,22,22	0
55	MG	1A	3940	1/1	0.90	0.22	51,51,51,51	0
55	MG	1A	3140	1/1	0.90	0.49	32,32,32,32	0
55	MG	2A	3405	1/1	0.90	0.07	51,51,51,51	0
55	MG	1a	1651	1/1	0.90	0.11	43,43,43,43	0
55	MG	2A	3141	1/1	0.90	0.08	35,35,35,35	0
55	MG	2A	3413	1/1	0.90	0.23	36,36,36,36	0
55	MG	2A	3665	1/1	0.91	0.13	38,38,38,38	0
55	MG	1A	3148	1/1	0.91	0.12	38,38,38,38	0
55	MG	1A	3495	1/1	0.91	0.21	33,33,33,33	0
55	MG	1A	3706	1/1	0.91	0.12	20,20,20,20	0
55	MG	2A	3160	1/1	0.91	0.16	41,41,41,41	0
55	MG	2A	3164	1/1	0.91	0.10	44,44,44,44	0
55	MG	1d	301	1/1	0.91	0.08	110,110,110,110	0
55	MG	1A	3086	1/1	0.91	0.19	38,38,38,38	0
55	MG	1A	3598	1/1	0.91	0.09	61,61,61,61	0
55	MG	1d	305	1/1	0.91	0.17	59,59,59,59	0
55	MG	1e	3001	1/1	0.91	0.17	36,36,36,36	0
55	MG	1g	3001	1/1	0.91	0.13	35,35,35,35	0
55	MG	2A	3689	1/1	0.91	0.14	37,37,37,37	0
55	MG	2A	3690	1/1	0.91	0.07	43,43,43,43	0
55	MG	1A	3152	1/1	0.91	0.11	37,37,37,37	0
55	MG	2a	1670	1/1	0.91	0.17	56,56,56,56	0
55	MG	2A	3493	1/1	0.91	0.13	53,53,53,53	0
55	MG	1A	3879	1/1	0.91	0.16	33,33,33,33	0
55	MG	1A	3605	1/1	0.91	0.13	44,44,44,44	0
55	MG	1H	201	1/1	0.91	0.10	47,47,47,47	0
55	MG	1a	1648	1/1	0.91	0.16	44,44,44,44	0
55	MG	2A	3005	1/1	0.91	0.18	37,37,37,37	0
55	MG	2A	3006	1/1	0.91	0.25	42,42,42,42	0
55	MG	1a	1649	1/1	0.91	0.20	47,47,47,47	0
55	MG	1A	3218	1/1	0.91	0.05	46,46,46,46	0
55	MG	2A	3206	1/1	0.91	0.18	54,54,54,54	0
55	MG	1A	3507	1/1	0.91	0.12	47,47,47,47	0
55	MG	2A	3519	1/1	0.91	0.09	51,51,51,51	0
55	MG	2B	3021	1/1	0.91	0.12	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3900	1/1	0.91	0.11	32,32,32,32	0
55	MG	2A	3214	1/1	0.91	0.41	32,32,32,32	0
55	MG	2A	3523	1/1	0.91	0.12	38,38,38,38	0
55	MG	1A	3395	1/1	0.91	0.08	34,34,34,34	0
55	MG	2A	3230	1/1	0.91	0.10	49,49,49,49	0
55	MG	2D	306	1/1	0.91	0.08	33,33,33,33	0
55	MG	1A	3223	1/1	0.91	0.12	31,31,31,31	0
55	MG	1A	3077	1/1	0.91	0.13	51,51,51,51	0
55	MG	2A	3026	1/1	0.91	0.76	36,36,36,36	0
55	MG	1A	3005	1/1	0.91	0.11	20,20,20,20	0
55	MG	1A	3029	1/1	0.91	0.06	21,21,21,21	0
55	MG	1A	3638	1/1	0.91	0.13	49,49,49,49	0
55	MG	1A	3172	1/1	0.91	0.22	52,52,52,52	0
55	MG	2A	3250	1/1	0.91	0.15	54,54,54,54	0
55	MG	1A	3240	1/1	0.91	0.38	17,17,17,17	0
55	MG	1a	1757	1/1	0.91	0.09	83,83,83,83	0
55	MG	2A	3756	1/1	0.91	0.26	49,49,49,49	0
55	MG	2a	1729	1/1	0.91	0.15	65,65,65,65	0
55	MG	2A	3258	1/1	0.91	0.24	63,63,63,63	0
55	MG	1A	3052	1/1	0.91	0.23	34,34,34,34	0
55	MG	2A	3554	1/1	0.91	0.11	67,67,67,67	0
55	MG	1a	1760	1/1	0.91	0.10	76,76,76,76	0
55	MG	1a	1761	1/1	0.91	0.07	72,72,72,72	0
55	MG	2A	3770	1/1	0.91	0.16	47,47,47,47	0
55	MG	2A	3043	1/1	0.91	0.16	35,35,35,35	0
55	MG	2R	201	1/1	0.91	0.23	48,48,48,48	0
55	MG	1a	1666	1/1	0.91	0.31	42,42,42,42	0
55	MG	2A	3272	1/1	0.91	0.07	54,54,54,54	0
55	MG	1A	3653	1/1	0.91	0.34	21,21,21,21	0
55	MG	1A	3288	1/1	0.91	0.27	7,7,7,7	0
55	MG	2a	1749	1/1	0.91	0.13	75,75,75,75	0
55	MG	2A	3783	1/1	0.91	0.14	42,42,42,42	0
55	MG	2U	203	1/1	0.91	0.09	42,42,42,42	0
55	MG	1A	3775	1/1	0.91	0.08	52,52,52,52	0
55	MG	1A	3657	1/1	0.91	0.17	32,32,32,32	0
55	MG	2A	3795	1/1	0.91	0.15	42,42,42,42	0
55	MG	1A	3245	1/1	0.91	0.10	65,65,65,65	0
55	MG	1A	3955	1/1	0.91	0.08	19,19,19,19	0
55	MG	1A	3291	1/1	0.91	0.20	45,45,45,45	0
55	MG	1a	1675	1/1	0.91	0.07	25,25,25,25	0
55	MG	2A	3818	1/1	0.91	0.10	50,50,50,50	0
55	MG	2A	3581	1/1	0.91	0.08	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1770	1/1	0.91	0.13	72,72,72,72	0
55	MG	1a	1676	1/1	0.91	0.16	46,46,46,46	0
55	MG	2A	3587	1/1	0.91	0.13	38,38,38,38	0
55	MG	2a	1776	1/1	0.91	0.11	60,60,60,60	0
55	MG	27	101	1/1	0.91	0.12	38,38,38,38	0
55	MG	29	102	1/1	0.91	0.69	48,48,48,48	0
55	MG	1A	3246	1/1	0.91	0.05	32,32,32,32	0
55	MG	1A	3784	1/1	0.91	0.20	54,54,54,54	0
55	MG	1a	1679	1/1	0.91	0.16	46,46,46,46	0
55	MG	2A	3852	1/1	0.91	0.11	50,50,50,50	0
55	MG	1A	3667	1/1	0.91	0.11	41,41,41,41	0
55	MG	2A	3098	1/1	0.91	0.19	50,50,50,50	0
55	MG	1A	3247	1/1	0.91	0.05	41,41,41,41	0
55	MG	1a	1792	1/1	0.91	0.07	60,60,60,60	0
55	MG	2a	1612	1/1	0.91	0.19	42,42,42,42	0
55	MG	2A	3604	1/1	0.91	0.08	49,49,49,49	0
55	MG	1A	3102	1/1	0.91	0.35	39,39,39,39	0
55	MG	2A	3107	1/1	0.91	0.34	40,40,40,40	0
55	MG	1A	3022	1/1	0.91	0.18	42,42,42,42	0
55	MG	1A	3671	1/1	0.91	0.08	42,42,42,42	0
55	MG	2a	1824	1/1	0.91	0.08	65,65,65,65	0
55	MG	1a	1800	1/1	0.91	0.15	45,45,45,45	0
55	MG	1a	1804	1/1	0.91	0.09	52,52,52,52	0
55	MG	1A	3073	1/1	0.91	0.09	36,36,36,36	0
55	MG	1A	3814	1/1	0.91	0.10	41,41,41,41	0
55	MG	1A	3685	1/1	0.91	0.18	43,43,43,43	0
55	MG	1A	3189	1/1	0.91	0.33	30,30,30,30	0
55	MG	1A	3846	1/1	0.91	0.13	29,29,29,29	0
55	MG	2A	3129	1/1	0.91	0.48	33,33,33,33	0
55	MG	2A	3901	1/1	0.91	0.11	54,54,54,54	0
55	MG	1a	1629	1/1	0.91	0.23	51,51,51,51	0
55	MG	2A	3131	1/1	0.91	0.08	44,44,44,44	0
55	MG	1a	1707	1/1	0.91	0.15	54,54,54,54	0
55	MG	2A	3137	1/1	0.91	0.15	36,36,36,36	0
55	MG	2e	201	1/1	0.91	0.22	57,57,57,57	0
55	MG	1A	3855	1/1	0.91	0.14	37,37,37,37	0
55	MG	1A	3860	1/1	0.91	0.10	54,54,54,54	0
55	MG	1A	3862	1/1	0.91	0.26	42,42,42,42	0
55	MG	2A	3918	1/1	0.91	0.15	70,70,70,70	0
55	MG	1a	1634	1/1	0.91	0.12	38,38,38,38	0
55	MG	2A	3920	1/1	0.91	0.10	54,54,54,54	0
55	MG	2a	1644	1/1	0.91	0.22	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3423	1/1	0.91	0.06	49,49,49,49	0
55	MG	1A	3041	1/1	0.91	0.14	26,26,26,26	0
55	MG	2A	3661	1/1	0.91	0.29	37,37,37,37	0
55	MG	1A	3557	1/1	0.92	0.39	32,32,32,32	0
55	MG	2A	3334	1/1	0.92	0.14	47,47,47,47	0
55	MG	2A	3884	1/1	0.92	0.07	65,65,65,65	0
55	MG	2A	3611	1/1	0.92	0.07	47,47,47,47	0
55	MG	1A	3038	1/1	0.92	0.38	47,47,47,47	0
55	MG	2A	3615	1/1	0.92	0.14	70,70,70,70	0
55	MG	1A	3014	1/1	0.92	0.10	28,28,28,28	0
55	MG	2a	1639	1/1	0.92	0.34	63,63,63,63	0
55	MG	2A	3895	1/1	0.92	0.08	55,55,55,55	0
55	MG	1F	305	1/1	0.92	0.31	18,18,18,18	0
55	MG	2A	3902	1/1	0.92	0.15	87,87,87,87	0
55	MG	2A	3903	1/1	0.92	0.10	58,58,58,58	0
55	MG	2A	3363	1/1	0.92	0.10	50,50,50,50	0
55	MG	2A	3124	1/1	0.92	0.37	48,48,48,48	0
55	MG	1F	308	1/1	0.92	0.24	39,39,39,39	0
55	MG	1A	3904	1/1	0.92	0.12	36,36,36,36	0
55	MG	2A	3914	1/1	0.92	0.11	57,57,57,57	0
55	MG	2a	1653	1/1	0.92	0.14	70,70,70,70	0
55	MG	2A	3629	1/1	0.92	0.10	48,48,48,48	0
55	MG	1A	3268	1/1	0.92	0.09	32,32,32,32	0
55	MG	1a	1729	1/1	0.92	0.26	43,43,43,43	0
55	MG	1A	3570	1/1	0.92	0.12	24,24,24,24	0
55	MG	2A	3383	1/1	0.92	0.09	46,46,46,46	0
55	MG	2a	1661	1/1	0.92	0.15	60,60,60,60	0
55	MG	2A	3392	1/1	0.92	0.15	41,41,41,41	0
55	MG	1A	3144	1/1	0.92	0.13	29,29,29,29	0
55	MG	1G	3003	1/1	0.92	0.11	43,43,43,43	0
55	MG	1A	3385	1/1	0.92	0.11	47,47,47,47	0
55	MG	1A	3588	1/1	0.92	0.43	31,31,31,31	0
55	MG	2A	3397	1/1	0.92	0.17	49,49,49,49	0
55	MG	1A	3932	1/1	0.92	0.46	24,24,24,24	0
55	MG	1h	8001	1/1	0.92	0.09	64,64,64,64	0
55	MG	1A	3243	1/1	0.92	0.08	34,34,34,34	0
55	MG	1U	201	1/1	0.92	0.12	26,26,26,26	0
55	MG	2a	1672	1/1	0.92	0.29	64,64,64,64	0
55	MG	1A	3937	1/1	0.92	0.16	19,19,19,19	0
55	MG	2A	3667	1/1	0.92	0.08	89,89,89,89	0
55	MG	2A	3156	1/1	0.92	0.29	47,47,47,47	0
55	MG	2A	3669	1/1	0.92	0.10	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3157	1/1	0.92	0.19	51,51,51,51	0
55	MG	1t	3001	1/1	0.92	0.33	69,69,69,69	0
55	MG	2A	3420	1/1	0.92	0.06	50,50,50,50	0
55	MG	2A	3959	1/1	0.92	0.53	44,44,44,44	0
55	MG	1A	3938	1/1	0.92	0.27	21,21,21,21	0
55	MG	1a	1747	1/1	0.92	0.20	36,36,36,36	0
55	MG	10	101	1/1	0.92	0.11	36,36,36,36	0
55	MG	2A	3455	1/1	0.92	0.13	62,62,62,62	0
55	MG	2a	1691	1/1	0.92	0.14	59,59,59,59	0
55	MG	2a	1692	1/1	0.92	0.10	61,61,61,61	0
55	MG	2B	3004	1/1	0.92	0.06	67,67,67,67	0
55	MG	1A	3501	1/1	0.92	0.15	31,31,31,31	0
55	MG	1A	3596	1/1	0.92	0.10	46,46,46,46	0
55	MG	1A	3675	1/1	0.92	0.10	44,44,44,44	0
55	MG	2A	3471	1/1	0.92	0.09	61,61,61,61	0
55	MG	1A	3271	1/1	0.92	0.27	29,29,29,29	0
55	MG	2B	3011	1/1	0.92	0.15	89,89,89,89	0
55	MG	11	102	1/1	0.92	0.09	36,36,36,36	0
55	MG	1A	3686	1/1	0.92	0.10	22,22,22,22	0
55	MG	2A	3184	1/1	0.92	0.18	42,42,42,42	0
55	MG	1A	3016	1/1	0.92	0.42	15,15,15,15	0
55	MG	2a	1716	1/1	0.92	0.08	55,55,55,55	0
55	MG	2A	3186	1/1	0.92	0.23	50,50,50,50	0
55	MG	1a	1756	1/1	0.92	0.06	75,75,75,75	0
55	MG	2A	3188	1/1	0.92	0.29	39,39,39,39	0
55	MG	2A	3189	1/1	0.92	0.21	43,43,43,43	0
55	MG	1A	3036	1/1	0.92	0.09	56,56,56,56	0
55	MG	2a	1726	1/1	0.92	0.27	46,46,46,46	0
55	MG	2A	3501	1/1	0.92	0.21	41,41,41,41	0
55	MG	1A	3812	1/1	0.92	0.12	96,96,96,96	0
55	MG	1A	3604	1/1	0.92	0.05	25,25,25,25	0
55	MG	2A	3033	1/1	0.92	0.19	44,44,44,44	0
55	MG	2a	1733	1/1	0.92	0.15	47,47,47,47	0
55	MG	19	102	1/1	0.92	0.09	50,50,50,50	0
55	MG	2A	3202	1/1	0.92	0.14	61,61,61,61	0
55	MG	2a	1737	1/1	0.92	0.10	73,73,73,73	0
55	MG	1A	3448	1/1	0.92	0.08	41,41,41,41	0
55	MG	1A	3609	1/1	0.92	0.21	63,63,63,63	0
55	MG	2E	301	1/1	0.92	0.16	63,63,63,63	0
55	MG	2A	3212	1/1	0.92	0.17	51,51,51,51	0
55	MG	2E	305	1/1	0.92	0.10	53,53,53,53	0
55	MG	1B	206	1/1	0.92	0.18	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3518	1/1	0.92	0.10	58,58,58,58	0
55	MG	2A	3735	1/1	0.92	0.07	103,103,103,103	0
55	MG	1A	3195	1/1	0.92	0.05	34,34,34,34	0
55	MG	2A	3218	1/1	0.92	0.22	45,45,45,45	0
55	MG	1a	1673	1/1	0.92	0.18	35,35,35,35	0
55	MG	2A	3225	1/1	0.92	0.09	30,30,30,30	0
55	MG	1A	3249	1/1	0.92	0.07	24,24,24,24	0
55	MG	1a	1606	1/1	0.92	0.19	53,53,53,53	0
55	MG	1A	3126	1/1	0.92	0.06	47,47,47,47	0
55	MG	1a	1609	1/1	0.92	0.06	80,80,80,80	0
55	MG	2A	3240	1/1	0.92	0.27	37,37,37,37	0
55	MG	1A	3251	1/1	0.92	0.36	16,16,16,16	0
55	MG	2A	3758	1/1	0.92	0.06	32,32,32,32	0
55	MG	2A	3243	1/1	0.92	0.39	28,28,28,28	0
55	MG	1A	3724	1/1	0.92	0.13	47,47,47,47	0
55	MG	2A	3246	1/1	0.92	0.19	56,56,56,56	0
55	MG	2A	3055	1/1	0.92	0.40	51,51,51,51	0
55	MG	1A	3159	1/1	0.92	0.26	16,16,16,16	0
55	MG	1B	225	1/1	0.92	0.10	36,36,36,36	0
55	MG	1A	3631	1/1	0.92	0.24	70,70,70,70	0
55	MG	1A	3127	1/1	0.92	0.14	34,34,34,34	0
55	MG	2A	3066	1/1	0.92	0.14	46,46,46,46	0
55	MG	2a	1784	1/1	0.92	0.05	125,125,125,125	0
55	MG	1A	3298	1/1	0.92	0.07	34,34,34,34	0
55	MG	2A	3069	1/1	0.92	0.36	36,36,36,36	0
55	MG	2A	3261	1/1	0.92	0.09	39,39,39,39	0
55	MG	2A	3560	1/1	0.92	0.09	85,85,85,85	0
55	MG	1a	1620	1/1	0.92	0.06	77,77,77,77	0
55	MG	2A	3799	1/1	0.92	0.21	72,72,72,72	0
55	MG	2A	3265	1/1	0.92	0.10	50,50,50,50	0
55	MG	25	104	1/1	0.92	0.48	33,33,33,33	0
55	MG	1A	3128	1/1	0.92	0.07	22,22,22,22	0
55	MG	2A	3804	1/1	0.92	0.07	54,54,54,54	0
55	MG	2A	3083	1/1	0.92	0.63	35,35,35,35	0
55	MG	2a	1810	1/1	0.92	0.08	105,105,105,105	0
55	MG	2a	1814	1/1	0.92	0.07	66,66,66,66	0
55	MG	2a	1817	1/1	0.92	0.14	68,68,68,68	0
55	MG	2a	1820	1/1	0.92	0.07	51,51,51,51	0
55	MG	1a	1797	1/1	0.92	0.07	72,72,72,72	0
55	MG	2A	3816	1/1	0.92	0.08	42,42,42,42	0
55	MG	2A	3088	1/1	0.92	0.12	44,44,44,44	0
55	MG	2A	3568	1/1	0.92	0.15	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1608	1/1	0.92	0.05	88,88,88,88	0
55	MG	2A	3824	1/1	0.92	0.08	47,47,47,47	0
55	MG	1A	3876	1/1	0.92	0.09	19,19,19,19	0
55	MG	1a	1693	1/1	0.92	0.19	44,44,44,44	0
55	MG	2a	1836	1/1	0.92	0.20	46,46,46,46	0
55	MG	1D	307	1/1	0.92	0.37	24,24,24,24	0
55	MG	2A	3296	1/1	0.92	0.10	54,54,54,54	0
55	MG	2a	1614	1/1	0.92	0.16	32,32,32,32	0
55	MG	1a	1625	1/1	0.92	0.25	54,54,54,54	0
55	MG	2A	3585	1/1	0.92	0.14	65,65,65,65	0
55	MG	1a	1704	1/1	0.92	0.05	67,67,67,67	0
55	MG	1A	3048	1/1	0.92	0.49	43,43,43,43	0
55	MG	1A	3051	1/1	0.92	0.11	18,18,18,18	0
55	MG	2A	3108	1/1	0.92	0.15	50,50,50,50	0
55	MG	1a	1826	1/1	0.92	0.09	53,53,53,53	0
55	MG	2A	3110	1/1	0.92	0.13	58,58,58,58	0
55	MG	1A	3173	1/1	0.92	0.08	49,49,49,49	0
55	MG	2l	3001	1/1	0.92	0.15	45,45,45,45	0
55	MG	1A	3092	1/1	0.92	0.14	11,11,11,11	0
55	MG	2A	3329	1/1	0.92	0.09	43,43,43,43	0
55	MG	2a	1627	1/1	0.92	0.26	25,25,25,25	0
55	MG	2A	3603	1/1	0.92	0.08	59,59,59,59	0
55	MG	2a	1629	1/1	0.92	0.17	44,44,44,44	0
55	MG	1a	1715	1/1	0.92	0.09	58,58,58,58	0
55	MG	1B	221	1/1	0.93	0.06	33,33,33,33	0
55	MG	2A	3199	1/1	0.93	0.14	32,32,32,32	0
55	MG	1A	3142	1/1	0.93	0.20	44,44,44,44	0
55	MG	1A	3285	1/1	0.93	0.11	12,12,12,12	0
55	MG	2A	3670	1/1	0.93	0.14	57,57,57,57	0
55	MG	2a	1654	1/1	0.93	0.18	42,42,42,42	0
55	MG	1A	3203	1/1	0.93	0.24	34,34,34,34	0
55	MG	2A	3204	1/1	0.93	0.16	31,31,31,31	0
55	MG	2A	3935	1/1	0.93	0.19	49,49,49,49	0
55	MG	2A	3674	1/1	0.93	0.25	55,55,55,55	0
55	MG	2A	3482	1/1	0.93	0.11	50,50,50,50	0
55	MG	1a	1783	1/1	0.93	0.12	60,60,60,60	0
55	MG	1A	3209	1/1	0.93	0.40	54,54,54,54	0
55	MG	1a	1787	1/1	0.93	0.09	60,60,60,60	0
55	MG	1A	3867	1/1	0.93	0.07	48,48,48,48	0
55	MG	2A	3490	1/1	0.93	0.15	68,68,68,68	0
55	MG	2A	3950	1/1	0.93	0.14	55,55,55,55	0
55	MG	1A	3211	1/1	0.93	0.42	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3727	1/1	0.93	0.09	39,39,39,39	0
55	MG	2A	3688	1/1	0.93	0.05	51,51,51,51	0
55	MG	2A	3960	1/1	0.93	0.12	44,44,44,44	0
55	MG	2A	3219	1/1	0.93	0.04	68,68,68,68	0
55	MG	2A	3220	1/1	0.93	0.08	58,58,58,58	0
55	MG	2A	3500	1/1	0.93	0.06	45,45,45,45	0
55	MG	1a	1689	1/1	0.93	0.23	59,59,59,59	0
55	MG	1a	1793	1/1	0.93	0.10	77,77,77,77	0
55	MG	2A	3226	1/1	0.93	0.27	41,41,41,41	0
55	MG	2A	3227	1/1	0.93	0.32	49,49,49,49	0
55	MG	1D	309	1/1	0.93	0.14	27,27,27,27	0
55	MG	1a	1795	1/1	0.93	0.11	66,66,66,66	0
55	MG	2A	3065	1/1	0.93	0.05	12,12,12,12	0
55	MG	1A	3471	1/1	0.93	0.06	46,46,46,46	0
55	MG	1A	3636	1/1	0.93	0.39	40,40,40,40	0
55	MG	1A	3098	1/1	0.93	0.32	34,34,34,34	0
55	MG	1A	3174	1/1	0.93	0.18	40,40,40,40	0
55	MG	2A	3244	1/1	0.93	0.13	29,29,29,29	0
55	MG	1A	3878	1/1	0.93	0.13	49,49,49,49	0
55	MG	2a	1693	1/1	0.93	0.13	67,67,67,67	0
55	MG	1a	1805	1/1	0.93	0.07	66,66,66,66	0
55	MG	2A	3725	1/1	0.93	0.08	40,40,40,40	0
55	MG	2A	3085	1/1	0.93	0.13	52,52,52,52	0
55	MG	1A	3221	1/1	0.93	0.22	34,34,34,34	0
55	MG	2A	3249	1/1	0.93	0.06	67,67,67,67	0
55	MG	1a	1807	1/1	0.93	0.07	98,98,98,98	0
55	MG	2A	3253	1/1	0.93	0.19	56,56,56,56	0
55	MG	2D	307	1/1	0.93	0.24	41,41,41,41	0
55	MG	2A	3089	1/1	0.93	0.12	49,49,49,49	0
55	MG	2A	3741	1/1	0.93	0.11	45,45,45,45	0
55	MG	2D	312	1/1	0.93	0.14	48,48,48,48	0
55	MG	1A	3642	1/1	0.93	0.12	29,29,29,29	0
55	MG	1A	3744	1/1	0.93	0.07	29,29,29,29	0
55	MG	1F	307	1/1	0.93	0.26	25,25,25,25	0
55	MG	2A	3100	1/1	0.93	0.07	56,56,56,56	0
55	MG	2A	3747	1/1	0.93	0.15	43,43,43,43	0
55	MG	1A	3745	1/1	0.93	0.13	28,28,28,28	0
55	MG	1A	3055	1/1	0.93	0.28	36,36,36,36	0
55	MG	2A	3104	1/1	0.93	0.14	57,57,57,57	0
55	MG	1A	3751	1/1	0.93	0.17	21,21,21,21	0
55	MG	2F	304	1/1	0.93	0.15	45,45,45,45	0
55	MG	1A	3034	1/1	0.93	0.08	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3552	1/1	0.93	0.70	40,40,40,40	0
55	MG	2a	1734	1/1	0.93	0.09	79,79,79,79	0
55	MG	2A	3553	1/1	0.93	0.07	51,51,51,51	0
55	MG	2A	3761	1/1	0.93	0.10	58,58,58,58	0
55	MG	1A	3561	1/1	0.93	0.24	18,18,18,18	0
55	MG	2A	3273	1/1	0.93	0.12	50,50,50,50	0
55	MG	1A	3655	1/1	0.93	0.42	41,41,41,41	0
55	MG	2a	1740	1/1	0.93	0.28	71,71,71,71	0
55	MG	1a	1725	1/1	0.93	0.12	47,47,47,47	0
55	MG	2a	1742	1/1	0.93	0.14	51,51,51,51	0
55	MG	1A	3760	1/1	0.93	0.14	51,51,51,51	0
55	MG	1a	1643	1/1	0.93	0.15	61,61,61,61	0
55	MG	2A	3295	1/1	0.93	0.28	32,32,32,32	0
55	MG	1A	3322	1/1	0.93	0.13	30,30,30,30	0
55	MG	2A	3297	1/1	0.93	0.10	40,40,40,40	0
55	MG	2A	3298	1/1	0.93	0.07	59,59,59,59	0
55	MG	1a	1844	1/1	0.93	0.08	70,70,70,70	0
55	MG	1A	3762	1/1	0.93	0.07	50,50,50,50	0
55	MG	1A	3914	1/1	0.93	0.05	40,40,40,40	0
55	MG	2V	201	1/1	0.93	0.16	40,40,40,40	0
55	MG	2a	1756	1/1	0.93	0.13	67,67,67,67	0
55	MG	2a	1758	1/1	0.93	0.04	75,75,75,75	0
55	MG	1R	203	1/1	0.93	0.09	31,31,31,31	0
55	MG	2W	3001	1/1	0.93	0.10	27,27,27,27	0
55	MG	1T	202	1/1	0.93	0.14	60,60,60,60	0
55	MG	2A	3125	1/1	0.93	0.18	44,44,44,44	0
55	MG	2A	3318	1/1	0.93	0.17	32,32,32,32	0
55	MG	2A	3584	1/1	0.93	0.31	33,33,33,33	0
55	MG	1A	3921	1/1	0.93	0.20	35,35,35,35	0
55	MG	1A	3003	1/1	0.93	0.08	21,21,21,21	0
55	MG	1d	306	1/1	0.93	0.06	98,98,98,98	0
55	MG	2A	3589	1/1	0.93	0.18	43,43,43,43	0
55	MG	1a	1652	1/1	0.93	0.21	41,41,41,41	0
55	MG	1f	8001	1/1	0.93	0.11	68,68,68,68	0
55	MG	2A	3135	1/1	0.93	0.09	30,30,30,30	0
55	MG	28	101	1/1	0.93	0.23	36,36,36,36	0
55	MG	2A	3831	1/1	0.93	0.07	64,64,64,64	0
55	MG	1W	3003	1/1	0.93	0.10	21,21,21,21	0
55	MG	1A	3772	1/1	0.93	0.08	41,41,41,41	0
55	MG	2a	1602	1/1	0.93	0.07	60,60,60,60	0
55	MG	2a	1788	1/1	0.93	0.12	86,86,86,86	0
55	MG	1A	3565	1/1	0.93	0.15	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2a	1791	1/1	0.93	0.07	47,47,47,47	0
55	MG	2a	1604	1/1	0.93	0.07	81,81,81,81	0
55	MG	2A	3341	1/1	0.93	0.14	32,32,32,32	0
55	MG	1k	3001	1/1	0.93	0.14	53,53,53,53	0
55	MG	1A	3326	1/1	0.93	0.12	32,32,32,32	0
55	MG	2A	3605	1/1	0.93	0.21	55,55,55,55	0
55	MG	1a	1658	1/1	0.93	0.24	41,41,41,41	0
55	MG	1A	3012	1/1	0.93	0.23	15,15,15,15	0
55	MG	2A	3001	1/1	0.93	0.11	47,47,47,47	0
55	MG	1a	1660	1/1	0.93	0.28	57,57,57,57	0
55	MG	2A	3613	1/1	0.93	0.09	33,33,33,33	0
55	MG	2a	1816	1/1	0.93	0.07	66,66,66,66	0
55	MG	2A	3873	1/1	0.93	0.08	80,80,80,80	0
55	MG	1A	3234	1/1	0.93	0.05	66,66,66,66	0
55	MG	2A	3617	1/1	0.93	0.07	59,59,59,59	0
55	MG	1A	3586	1/1	0.93	0.22	9,9,9,9	0
55	MG	1A	3266	1/1	0.93	0.22	29,29,29,29	0
55	MG	1A	3188	1/1	0.93	0.09	33,33,33,33	0
55	MG	1A	3239	1/1	0.93	0.21	46,46,46,46	0
55	MG	2A	3010	1/1	0.93	0.24	49,49,49,49	0
55	MG	2a	1623	1/1	0.93	0.17	41,41,41,41	0
55	MG	1A	3060	1/1	0.93	0.13	22,22,22,22	0
55	MG	1A	3006	1/1	0.93	0.07	21,21,21,21	0
55	MG	2A	3630	1/1	0.93	0.10	73,73,73,73	0
55	MG	2A	3891	1/1	0.93	0.09	72,72,72,72	0
55	MG	1A	3679	1/1	0.93	0.10	36,36,36,36	0
55	MG	1A	3194	1/1	0.93	0.23	39,39,39,39	0
55	MG	1A	3397	1/1	0.93	0.05	77,77,77,77	0
55	MG	1A	3409	1/1	0.93	0.12	21,21,21,21	0
55	MG	2A	3182	1/1	0.93	0.15	49,49,49,49	0
55	MG	2A	3027	1/1	0.93	0.13	42,42,42,42	0
55	MG	2A	3030	1/1	0.93	0.23	23,23,23,23	0
55	MG	1A	3691	1/1	0.93	0.09	39,39,39,39	0
55	MG	1A	3822	1/1	0.93	0.08	50,50,50,50	0
55	MG	1A	3244	1/1	0.93	0.11	30,30,30,30	0
55	MG	2A	3654	1/1	0.93	0.12	37,37,37,37	0
55	MG	2a	1640	1/1	0.93	0.33	60,60,60,60	0
55	MG	2A	3655	1/1	0.93	0.17	53,53,53,53	0
55	MG	1A	3117	1/1	0.93	0.10	72,72,72,72	0
55	MG	1A	3021	1/1	0.93	0.16	26,26,26,26	0
55	MG	2A	3195	1/1	0.93	0.29	42,42,42,42	0
55	MG	1A	3613	1/1	0.93	0.08	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3147	1/1	0.94	0.25	38,38,38,38	0
55	MG	2A	3330	1/1	0.94	0.08	78,78,78,78	0
55	MG	1A	3508	1/1	0.94	0.05	46,46,46,46	0
55	MG	2A	3598	1/1	0.94	0.24	34,34,34,34	0
55	MG	2a	1633	1/1	0.94	0.10	47,47,47,47	0
55	MG	1o	102	1/1	0.94	0.13	29,29,29,29	0
55	MG	2A	3601	1/1	0.94	0.12	34,34,34,34	0
55	MG	2A	3878	1/1	0.94	0.21	43,43,43,43	0
55	MG	2A	3333	1/1	0.94	0.08	40,40,40,40	0
55	MG	1A	3137	1/1	0.94	0.13	33,33,33,33	0
55	MG	1A	3219	1/1	0.94	0.09	30,30,30,30	0
55	MG	1A	3147	1/1	0.94	0.30	30,30,30,30	0
55	MG	2A	3155	1/1	0.94	0.22	45,45,45,45	0
55	MG	2A	3610	1/1	0.94	0.10	35,35,35,35	0
55	MG	1A	3615	1/1	0.94	0.10	52,52,52,52	0
55	MG	1A	3419	1/1	0.94	0.11	39,39,39,39	0
55	MG	1A	3726	1/1	0.94	0.06	44,44,44,44	0
55	MG	2A	3368	1/1	0.94	0.08	51,51,51,51	0
55	MG	2A	3161	1/1	0.94	0.12	31,31,31,31	0
55	MG	2a	1648	1/1	0.94	0.15	42,42,42,42	0
55	MG	2A	3618	1/1	0.94	0.09	83,83,83,83	0
55	MG	1A	3168	1/1	0.94	0.06	31,31,31,31	0
55	MG	2A	3620	1/1	0.94	0.20	65,65,65,65	0
55	MG	1F	304	1/1	0.94	0.07	31,31,31,31	0
55	MG	2A	3168	1/1	0.94	0.22	38,38,38,38	0
55	MG	1A	3728	1/1	0.94	0.14	61,61,61,61	0
55	MG	2A	3170	1/1	0.94	0.14	48,48,48,48	0
55	MG	2A	3627	1/1	0.94	0.09	68,68,68,68	0
55	MG	2A	3385	1/1	0.94	0.07	40,40,40,40	0
55	MG	2A	3386	1/1	0.94	0.06	44,44,44,44	0
55	MG	2A	3387	1/1	0.94	0.07	35,35,35,35	0
55	MG	2A	3172	1/1	0.94	0.18	54,54,54,54	0
55	MG	1F	306	1/1	0.94	0.17	26,26,26,26	0
55	MG	2A	3639	1/1	0.94	0.08	36,36,36,36	0
55	MG	1A	3450	1/1	0.94	0.06	63,63,63,63	0
55	MG	2A	3019	1/1	0.94	0.46	40,40,40,40	0
55	MG	1A	3191	1/1	0.94	0.19	31,31,31,31	0
55	MG	1A	3624	1/1	0.94	0.07	58,58,58,58	0
55	MG	1F	311	1/1	0.94	0.18	11,11,11,11	0
55	MG	2A	3404	1/1	0.94	0.08	78,78,78,78	0
55	MG	1A	3627	1/1	0.94	0.12	62,62,62,62	0
55	MG	2A	3936	1/1	0.94	0.07	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3938	1/1	0.94	0.27	46,46,46,46	0
55	MG	2A	3652	1/1	0.94	0.07	40,40,40,40	0
55	MG	1A	3889	1/1	0.94	0.09	34,34,34,34	0
55	MG	1A	3891	1/1	0.94	0.09	34,34,34,34	0
55	MG	1A	3897	1/1	0.94	0.07	45,45,45,45	0
55	MG	1A	3525	1/1	0.94	0.08	33,33,33,33	0
55	MG	1A	3452	1/1	0.94	0.11	40,40,40,40	0
55	MG	1A	3292	1/1	0.94	0.07	40,40,40,40	0
55	MG	2a	1687	1/1	0.94	0.14	67,67,67,67	0
55	MG	1a	1769	1/1	0.94	0.10	62,62,62,62	0
55	MG	1N	204	1/1	0.94	0.15	73,73,73,73	0
55	MG	2A	3426	1/1	0.94	0.05	66,66,66,66	0
55	MG	2A	3957	1/1	0.94	0.11	61,61,61,61	0
55	MG	2A	3038	1/1	0.94	0.16	46,46,46,46	0
55	MG	2A	3445	1/1	0.94	0.10	55,55,55,55	0
55	MG	2A	3448	1/1	0.94	0.06	41,41,41,41	0
55	MG	2A	3449	1/1	0.94	0.06	50,50,50,50	0
55	MG	1P	204	1/1	0.94	0.06	68,68,68,68	0
55	MG	2B	3001	1/1	0.94	0.12	51,51,51,51	0
55	MG	2a	1702	1/1	0.94	0.13	52,52,52,52	0
55	MG	2A	3451	1/1	0.94	0.07	30,30,30,30	0
55	MG	1A	3456	1/1	0.94	0.08	55,55,55,55	0
55	MG	1A	3169	1/1	0.94	0.08	46,46,46,46	0
55	MG	2A	3457	1/1	0.94	0.11	55,55,55,55	0
55	MG	1A	3639	1/1	0.94	0.12	33,33,33,33	0
55	MG	1A	3552	1/1	0.94	0.09	12,12,12,12	0
55	MG	1A	3231	1/1	0.94	0.09	40,40,40,40	0
55	MG	1U	205	1/1	0.94	0.14	22,22,22,22	0
55	MG	2A	3476	1/1	0.94	0.12	56,56,56,56	0
55	MG	2A	3049	1/1	0.94	0.18	44,44,44,44	0
55	MG	2A	3211	1/1	0.94	0.19	40,40,40,40	0
55	MG	1A	3645	1/1	0.94	0.08	45,45,45,45	0
55	MG	1A	3026	1/1	0.94	0.74	22,22,22,22	0
55	MG	2a	1725	1/1	0.94	0.09	58,58,58,58	0
55	MG	1A	3916	1/1	0.94	0.08	116,116,116,116	0
55	MG	1A	3258	1/1	0.94	0.15	38,38,38,38	0
55	MG	2A	3697	1/1	0.94	0.16	33,33,33,33	0
55	MG	10	103	1/1	0.94	0.08	45,45,45,45	0
55	MG	1A	3923	1/1	0.94	0.11	26,26,26,26	0
55	MG	2A	3702	1/1	0.94	0.21	50,50,50,50	0
55	MG	1A	3259	1/1	0.94	0.13	17,17,17,17	0
55	MG	2A	3222	1/1	0.94	0.06	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3654	1/1	0.94	0.16	35,35,35,35	0
55	MG	2A	3497	1/1	0.94	0.08	31,31,31,31	0
55	MG	2D	311	1/1	0.94	0.18	24,24,24,24	0
55	MG	2A	3498	1/1	0.94	0.07	38,38,38,38	0
55	MG	1A	3766	1/1	0.94	0.10	24,24,24,24	0
55	MG	13	102	1/1	0.94	0.32	32,32,32,32	0
55	MG	2D	316	1/1	0.94	0.33	58,58,58,58	0
55	MG	1A	3559	1/1	0.94	0.29	15,15,15,15	0
55	MG	2A	3231	1/1	0.94	0.16	59,59,59,59	0
55	MG	1A	3123	1/1	0.94	0.19	24,24,24,24	0
55	MG	2A	3233	1/1	0.94	0.18	56,56,56,56	0
55	MG	2A	3235	1/1	0.94	0.06	63,63,63,63	0
55	MG	2A	3075	1/1	0.94	0.15	50,50,50,50	0
55	MG	2A	3510	1/1	0.94	0.06	43,43,43,43	0
55	MG	15	105	1/1	0.94	0.48	36,36,36,36	0
55	MG	2F	305	1/1	0.94	0.10	45,45,45,45	0
55	MG	2A	3733	1/1	0.94	0.06	62,62,62,62	0
55	MG	1A	3324	1/1	0.94	0.07	52,52,52,52	0
55	MG	1A	3236	1/1	0.94	0.12	22,22,22,22	0
55	MG	1A	3779	1/1	0.94	0.08	17,17,17,17	0
55	MG	1A	3564	1/1	0.94	0.13	25,25,25,25	0
55	MG	1A	3237	1/1	0.94	0.07	23,23,23,23	0
55	MG	1a	1809	1/1	0.94	0.06	85,85,85,85	0
55	MG	2A	3093	1/1	0.94	0.11	37,37,37,37	0
55	MG	2N	203	1/1	0.94	0.29	90,90,90,90	0
55	MG	2A	3094	1/1	0.94	0.50	42,42,42,42	0
55	MG	2Q	204	1/1	0.94	0.14	32,32,32,32	0
55	MG	2a	1771	1/1	0.94	0.07	83,83,83,83	0
55	MG	2A	3525	1/1	0.94	0.18	33,33,33,33	0
55	MG	2A	3750	1/1	0.94	0.08	75,75,75,75	0
55	MG	1A	3196	1/1	0.94	0.18	23,23,23,23	0
55	MG	2A	3527	1/1	0.94	0.09	28,28,28,28	0
55	MG	1A	3571	1/1	0.94	0.07	55,55,55,55	0
55	MG	2A	3251	1/1	0.94	0.07	60,60,60,60	0
55	MG	2a	1781	1/1	0.94	0.06	73,73,73,73	0
55	MG	1A	3151	1/1	0.94	0.06	20,20,20,20	0
55	MG	1a	1822	1/1	0.94	0.13	74,74,74,74	0
55	MG	2A	3535	1/1	0.94	0.16	50,50,50,50	0
55	MG	2a	1786	1/1	0.94	0.18	52,52,52,52	0
55	MG	2V	203	1/1	0.94	0.08	58,58,58,58	0
55	MG	1A	3579	1/1	0.94	0.09	49,49,49,49	0
55	MG	2A	3257	1/1	0.94	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1B	203	1/1	0.94	0.22	46,46,46,46	0
55	MG	1A	3796	1/1	0.94	0.14	33,33,33,33	0
55	MG	1A	3042	1/1	0.94	0.21	1,1,1,1	0
55	MG	2a	1797	1/1	0.94	0.07	75,75,75,75	0
55	MG	1B	207	1/1	0.94	0.27	41,41,41,41	0
55	MG	1B	208	1/1	0.94	0.10	41,41,41,41	0
55	MG	2a	1803	1/1	0.94	0.17	81,81,81,81	0
55	MG	1A	3672	1/1	0.94	0.06	44,44,44,44	0
55	MG	2A	3551	1/1	0.94	0.10	60,60,60,60	0
55	MG	1A	3336	1/1	0.94	0.11	37,37,37,37	0
55	MG	2A	3270	1/1	0.94	0.27	45,45,45,45	0
55	MG	1A	3357	1/1	0.94	0.15	40,40,40,40	0
55	MG	1a	1713	1/1	0.94	0.10	36,36,36,36	0
55	MG	1a	1843	1/1	0.94	0.11	57,57,57,57	0
55	MG	2A	3796	1/1	0.94	0.10	79,79,79,79	0
55	MG	1a	1617	1/1	0.94	0.08	93,93,93,93	0
55	MG	1A	3201	1/1	0.94	0.24	29,29,29,29	0
55	MG	2A	3119	1/1	0.94	0.15	35,35,35,35	0
55	MG	2A	3286	1/1	0.94	0.06	61,61,61,61	0
55	MG	1A	3156	1/1	0.94	0.04	20,20,20,20	0
55	MG	2a	1605	1/1	0.94	0.21	82,82,82,82	0
55	MG	1A	3593	1/1	0.94	0.08	48,48,48,48	0
55	MG	2A	3814	1/1	0.94	0.07	92,92,92,92	0
55	MG	1A	3063	1/1	0.94	0.11	41,41,41,41	0
55	MG	1B	224	1/1	0.94	0.11	63,63,63,63	0
55	MG	2A	3127	1/1	0.94	0.24	29,29,29,29	0
55	MG	1A	3161	1/1	0.94	0.20	26,26,26,26	0
55	MG	1a	1624	1/1	0.94	0.18	49,49,49,49	0
55	MG	1A	3215	1/1	0.94	0.13	23,23,23,23	0
55	MG	2b	3001	1/1	0.94	0.14	68,68,68,68	0
55	MG	2A	3309	1/1	0.94	0.06	41,41,41,41	0
55	MG	1A	3179	1/1	0.94	0.29	51,51,51,51	0
55	MG	2A	3834	1/1	0.94	0.12	26,26,26,26	0
55	MG	2A	3840	1/1	0.94	0.10	39,39,39,39	0
55	MG	2A	3133	1/1	0.94	0.11	28,28,28,28	0
55	MG	2A	3845	1/1	0.94	0.38	42,42,42,42	0
55	MG	1a	1627	1/1	0.94	0.08	46,46,46,46	0
55	MG	1A	3857	1/1	0.94	0.14	52,52,52,52	0
55	MG	2A	3856	1/1	0.94	0.20	47,47,47,47	0
55	MG	1A	3398	1/1	0.94	0.06	55,55,55,55	0
55	MG	2A	3321	1/1	0.94	0.13	30,30,30,30	0
55	MG	2o	102	1/1	0.94	0.07	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3860	1/1	0.94	0.16	58,58,58,58	0
55	MG	2A	3322	1/1	0.94	0.07	62,62,62,62	0
55	MG	1A	3705	1/1	0.94	0.11	58,58,58,58	0
55	MG	1A	3863	1/1	0.94	0.08	66,66,66,66	0
55	MG	2A	3158	1/1	0.95	0.21	37,37,37,37	0
55	MG	2A	3864	1/1	0.95	0.15	47,47,47,47	0
55	MG	1A	3858	1/1	0.95	0.10	51,51,51,51	0
55	MG	1A	3165	1/1	0.95	0.42	25,25,25,25	0
55	MG	2A	3163	1/1	0.95	0.20	38,38,38,38	0
55	MG	2A	3870	1/1	0.95	0.12	48,48,48,48	0
55	MG	1A	3698	1/1	0.95	0.04	25,25,25,25	0
55	MG	1A	3166	1/1	0.95	0.24	33,33,33,33	0
55	MG	2A	3166	1/1	0.95	0.27	36,36,36,36	0
55	MG	1D	306	1/1	0.95	0.08	17,17,17,17	0
55	MG	1A	3337	1/1	0.95	0.09	25,25,25,25	0
55	MG	1a	1739	1/1	0.95	0.07	67,67,67,67	0
55	MG	1A	3213	1/1	0.95	0.12	29,29,29,29	0
55	MG	1A	3214	1/1	0.95	0.31	22,22,22,22	0
55	MG	1D	312	1/1	0.95	0.07	24,24,24,24	0
55	MG	1D	313	1/1	0.95	0.19	24,24,24,24	0
55	MG	2A	3883	1/1	0.95	0.11	71,71,71,71	0
55	MG	1A	3714	1/1	0.95	0.10	26,26,26,26	0
55	MG	1A	3716	1/1	0.95	0.05	23,23,23,23	0
55	MG	1A	3134	1/1	0.95	0.19	24,24,24,24	0
55	MG	2A	3181	1/1	0.95	0.16	36,36,36,36	0
55	MG	1E	302	1/1	0.95	0.22	18,18,18,18	0
55	MG	1a	1637	1/1	0.95	0.33	57,57,57,57	0
55	MG	1A	3376	1/1	0.95	0.12	26,26,26,26	0
55	MG	2A	3409	1/1	0.95	0.09	46,46,46,46	0
55	MG	2A	3411	1/1	0.95	0.07	49,49,49,49	0
55	MG	1A	3032	1/1	0.95	0.21	30,30,30,30	0
55	MG	1A	3611	1/1	0.95	0.08	60,60,60,60	0
55	MG	1A	3101	1/1	0.95	0.13	24,24,24,24	0
55	MG	1A	3393	1/1	0.95	0.10	34,34,34,34	0
55	MG	2A	3191	1/1	0.95	0.12	45,45,45,45	0
55	MG	2A	3193	1/1	0.95	0.16	45,45,45,45	0
55	MG	1A	3171	1/1	0.95	0.15	24,24,24,24	0
55	MG	2A	3645	1/1	0.95	0.08	33,33,33,33	0
55	MG	1a	1758	1/1	0.95	0.07	99,99,99,99	0
55	MG	2A	3432	1/1	0.95	0.06	38,38,38,38	0
55	MG	2A	3434	1/1	0.95	0.07	39,39,39,39	0
55	MG	1A	3619	1/1	0.95	0.08	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3921	1/1	0.95	0.21	40,40,40,40	0
55	MG	1A	3220	1/1	0.95	0.14	27,27,27,27	0
55	MG	1A	3045	1/1	0.95	0.11	13,13,13,13	0
55	MG	2A	3928	1/1	0.95	0.18	35,35,35,35	0
55	MG	1A	3896	1/1	0.95	0.10	35,35,35,35	0
55	MG	1A	3103	1/1	0.95	0.18	29,29,29,29	0
55	MG	1A	3736	1/1	0.95	0.10	33,33,33,33	0
55	MG	2A	3453	1/1	0.95	0.13	36,36,36,36	0
55	MG	2A	3454	1/1	0.95	0.04	38,38,38,38	0
55	MG	2A	3662	1/1	0.95	0.09	46,46,46,46	0
55	MG	2A	3664	1/1	0.95	0.11	51,51,51,51	0
55	MG	2A	3937	1/1	0.95	0.09	40,40,40,40	0
55	MG	2A	3203	1/1	0.95	0.10	36,36,36,36	0
55	MG	1A	3024	1/1	0.95	0.09	19,19,19,19	0
55	MG	1A	3226	1/1	0.95	0.09	27,27,27,27	0
55	MG	2A	3461	1/1	0.95	0.07	88,88,88,88	0
55	MG	2A	3046	1/1	0.95	0.22	50,50,50,50	0
55	MG	2A	3466	1/1	0.95	0.07	37,37,37,37	0
55	MG	2A	3947	1/1	0.95	0.17	33,33,33,33	0
55	MG	2a	1681	1/1	0.95	0.15	54,54,54,54	0
55	MG	2A	3467	1/1	0.95	0.09	30,30,30,30	0
55	MG	2A	3209	1/1	0.95	0.39	36,36,36,36	0
55	MG	1A	3414	1/1	0.95	0.07	29,29,29,29	0
55	MG	1A	3530	1/1	0.95	0.08	53,53,53,53	0
55	MG	2A	3952	1/1	0.95	0.10	27,27,27,27	0
55	MG	1N	201	1/1	0.95	0.10	39,39,39,39	0
55	MG	2A	3955	1/1	0.95	0.17	46,46,46,46	0
55	MG	2A	3678	1/1	0.95	0.17	53,53,53,53	0
55	MG	2A	3958	1/1	0.95	0.10	59,59,59,59	0
55	MG	2A	3477	1/1	0.95	0.06	32,32,32,32	0
55	MG	1A	3227	1/1	0.95	0.23	28,28,28,28	0
55	MG	1a	1776	1/1	0.95	0.06	66,66,66,66	0
55	MG	2A	3963	1/1	0.95	0.14	64,64,64,64	0
55	MG	2A	3682	1/1	0.95	0.07	49,49,49,49	0
55	MG	2A	3965	1/1	0.95	0.14	42,42,42,42	0
55	MG	2A	3967	1/1	0.95	0.46	48,48,48,48	0
55	MG	2A	3969	1/1	0.95	0.36	53,53,53,53	0
55	MG	2A	3970	1/1	0.95	0.18	54,54,54,54	0
55	MG	2A	3484	1/1	0.95	0.06	25,25,25,25	0
55	MG	1a	1657	1/1	0.95	0.05	67,67,67,67	0
55	MG	2A	3685	1/1	0.95	0.08	56,56,56,56	0
55	MG	1A	3082	1/1	0.95	0.48	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1781	1/1	0.95	0.07	63,63,63,63	0
55	MG	1P	203	1/1	0.95	0.31	9,9,9,9	0
55	MG	2a	1718	1/1	0.95	0.06	38,38,38,38	0
55	MG	2A	3060	1/1	0.95	0.15	26,26,26,26	0
55	MG	1A	3543	1/1	0.95	0.15	52,52,52,52	0
55	MG	2A	3063	1/1	0.95	0.07	32,32,32,32	0
55	MG	2A	3696	1/1	0.95	0.09	48,48,48,48	0
55	MG	2A	3064	1/1	0.95	0.09	36,36,36,36	0
55	MG	1A	3015	1/1	0.95	0.30	33,33,33,33	0
55	MG	1a	1785	1/1	0.95	0.08	96,96,96,96	0
55	MG	1A	3546	1/1	0.95	0.08	48,48,48,48	0
55	MG	2B	3018	1/1	0.95	0.07	70,70,70,70	0
55	MG	2A	3499	1/1	0.95	0.20	28,28,28,28	0
55	MG	1a	1788	1/1	0.95	0.05	70,70,70,70	0
55	MG	2A	3705	1/1	0.95	0.10	54,54,54,54	0
55	MG	1R	204	1/1	0.95	0.06	19,19,19,19	0
55	MG	1A	3915	1/1	0.95	0.12	63,63,63,63	0
55	MG	2A	3080	1/1	0.95	0.19	55,55,55,55	0
55	MG	1A	3549	1/1	0.95	0.12	40,40,40,40	0
55	MG	2D	301	1/1	0.95	0.15	46,46,46,46	0
55	MG	2D	303	1/1	0.95	0.29	41,41,41,41	0
55	MG	2A	3082	1/1	0.95	0.09	50,50,50,50	0
55	MG	1A	3759	1/1	0.95	0.07	28,28,28,28	0
55	MG	1A	3643	1/1	0.95	0.14	40,40,40,40	0
55	MG	2A	3722	1/1	0.95	0.07	63,63,63,63	0
55	MG	2D	310	1/1	0.95	0.17	40,40,40,40	0
55	MG	1V	202	1/1	0.95	0.18	19,19,19,19	0
55	MG	2A	3512	1/1	0.95	0.09	50,50,50,50	0
55	MG	1A	3930	1/1	0.95	0.14	36,36,36,36	0
55	MG	2D	314	1/1	0.95	0.05	50,50,50,50	0
55	MG	1X	101	1/1	0.95	0.10	32,32,32,32	0
55	MG	1A	3009	1/1	0.95	0.11	19,19,19,19	0
55	MG	1A	3146	1/1	0.95	0.14	22,22,22,22	0
55	MG	1A	3649	1/1	0.95	0.09	40,40,40,40	0
55	MG	2a	1757	1/1	0.95	0.08	69,69,69,69	0
55	MG	2A	3252	1/1	0.95	0.15	53,53,53,53	0
55	MG	1a	1801	1/1	0.95	0.05	69,69,69,69	0
55	MG	1A	3181	1/1	0.95	0.18	34,34,34,34	0
55	MG	1A	3183	1/1	0.95	0.33	39,39,39,39	0
55	MG	1A	3943	1/1	0.95	0.22	34,34,34,34	0
55	MG	1A	3114	1/1	0.95	0.14	18,18,18,18	0
55	MG	1A	3187	1/1	0.95	0.17	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2F	306	1/1	0.95	0.22	34,34,34,34	0
55	MG	2F	307	1/1	0.95	0.13	30,30,30,30	0
55	MG	2A	3746	1/1	0.95	0.16	63,63,63,63	0
55	MG	2F	309	1/1	0.95	0.34	42,42,42,42	0
55	MG	1A	3950	1/1	0.95	0.13	10,10,10,10	0
55	MG	1A	3050	1/1	0.95	0.18	29,29,29,29	0
55	MG	1A	3470	1/1	0.95	0.09	20,20,20,20	0
55	MG	15	103	1/1	0.95	0.07	19,19,19,19	0
55	MG	2A	3266	1/1	0.95	0.18	41,41,41,41	0
55	MG	1a	1825	1/1	0.95	0.08	71,71,71,71	0
55	MG	1A	3007	1/1	0.95	0.11	26,26,26,26	0
55	MG	15	106	1/1	0.95	0.07	50,50,50,50	0
55	MG	2P	201	1/1	0.95	0.30	31,31,31,31	0
55	MG	1A	3150	1/1	0.95	0.14	41,41,41,41	0
55	MG	1A	3067	1/1	0.95	0.25	27,27,27,27	0
55	MG	2A	3274	1/1	0.95	0.23	51,51,51,51	0
55	MG	1a	1832	1/1	0.95	0.07	104,104,104,104	0
55	MG	2A	3117	1/1	0.95	0.19	36,36,36,36	0
55	MG	2T	202	1/1	0.95	0.06	56,56,56,56	0
55	MG	1a	1833	1/1	0.95	0.12	98,98,98,98	0
55	MG	1a	1834	1/1	0.95	0.06	60,60,60,60	0
55	MG	2A	3120	1/1	0.95	0.08	54,54,54,54	0
55	MG	2A	3121	1/1	0.95	0.10	60,60,60,60	0
55	MG	2a	1802	1/1	0.95	0.09	95,95,95,95	0
55	MG	2A	3555	1/1	0.95	0.10	54,54,54,54	0
55	MG	2A	3122	1/1	0.95	0.07	44,44,44,44	0
55	MG	2A	3780	1/1	0.95	0.06	29,29,29,29	0
55	MG	1A	3956	1/1	0.95	0.14	21,21,21,21	0
55	MG	2A	3782	1/1	0.95	0.07	58,58,58,58	0
55	MG	1A	3566	1/1	0.95	0.06	52,52,52,52	0
55	MG	19	104	1/1	0.95	0.07	58,58,58,58	0
55	MG	1a	1694	1/1	0.95	0.11	48,48,48,48	0
55	MG	1A	3476	1/1	0.95	0.11	41,41,41,41	0
55	MG	1A	3478	1/1	0.95	0.05	36,36,36,36	0
55	MG	1A	3091	1/1	0.95	0.20	18,18,18,18	0
55	MG	1B	205	1/1	0.95	0.07	49,49,49,49	0
55	MG	1A	3039	1/1	0.95	0.14	35,35,35,35	0
55	MG	25	102	1/1	0.95	0.18	41,41,41,41	0
55	MG	1A	3583	1/1	0.95	0.07	21,21,21,21	0
55	MG	1A	3802	1/1	0.95	0.08	26,26,26,26	0
55	MG	1A	3040	1/1	0.95	0.14	39,39,39,39	0
55	MG	27	102	1/1	0.95	0.06	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3140	1/1	0.95	0.07	51,51,51,51	0
55	MG	29	101	1/1	0.95	0.06	46,46,46,46	0
55	MG	2A	3815	1/1	0.95	0.12	47,47,47,47	0
55	MG	2a	1839	1/1	0.95	0.11	62,62,62,62	0
55	MG	1a	1610	1/1	0.95	0.13	33,33,33,33	0
55	MG	1a	1716	1/1	0.95	0.04	71,71,71,71	0
55	MG	1A	3075	1/1	0.95	0.34	21,21,21,21	0
55	MG	1A	3676	1/1	0.95	0.06	25,25,25,25	0
55	MG	2A	3148	1/1	0.95	0.11	35,35,35,35	0
55	MG	1A	3677	1/1	0.95	0.12	57,57,57,57	0
55	MG	1A	3162	1/1	0.95	0.12	45,45,45,45	0
55	MG	1A	3681	1/1	0.95	0.10	38,38,38,38	0
55	MG	1A	3031	1/1	0.95	0.08	22,22,22,22	0
55	MG	2h	3001	1/1	0.95	0.09	43,43,43,43	0
55	MG	2A	3837	1/1	0.95	0.07	42,42,42,42	0
55	MG	1A	3131	1/1	0.95	0.07	19,19,19,19	0
55	MG	2A	3593	1/1	0.95	0.15	37,37,37,37	0
55	MG	1l	3001	1/1	0.95	0.16	59,59,59,59	0
55	MG	2A	3848	1/1	0.95	0.09	40,40,40,40	0
55	MG	2A	3342	1/1	0.95	0.08	45,45,45,45	0
55	MG	1A	3591	1/1	0.95	0.18	60,60,60,60	0
55	MG	2A	3347	1/1	0.95	0.09	44,44,44,44	0
55	MG	1A	3207	1/1	0.95	0.32	27,27,27,27	0
55	MG	2A	3600	1/1	0.95	0.06	29,29,29,29	0
56	ZN	24	501	1/1	0.95	0.09	150,150,150,150	0
55	MG	1A	3070	1/1	0.96	0.20	24,24,24,24	0
55	MG	1A	3756	1/1	0.96	0.06	14,14,14,14	0
55	MG	23	101	1/1	0.96	0.32	56,56,56,56	0
55	MG	1A	3529	1/1	0.96	0.14	34,34,34,34	0
55	MG	2A	3057	1/1	0.96	0.12	24,24,24,24	0
55	MG	1A	3133	1/1	0.96	0.27	47,47,47,47	0
55	MG	1A	3105	1/1	0.96	0.29	33,33,33,33	0
55	MG	1A	3536	1/1	0.96	0.07	40,40,40,40	0
55	MG	1A	3107	1/1	0.96	0.07	20,20,20,20	0
55	MG	2A	3062	1/1	0.96	0.24	40,40,40,40	0
55	MG	1A	3538	1/1	0.96	0.08	48,48,48,48	0
55	MG	2A	3786	1/1	0.96	0.12	50,50,50,50	0
55	MG	1A	3768	1/1	0.96	0.06	25,25,25,25	0
55	MG	2A	3789	1/1	0.96	0.08	41,41,41,41	0
55	MG	2A	3791	1/1	0.96	0.05	63,63,63,63	0
55	MG	2A	3531	1/1	0.96	0.05	51,51,51,51	0
55	MG	1a	1764	1/1	0.96	0.04	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	3539	1/1	0.96	0.06	17,17,17,17	0
55	MG	1a	1766	1/1	0.96	0.04	62,62,62,62	0
55	MG	1a	1628	1/1	0.96	0.20	38,38,38,38	0
55	MG	2A	3070	1/1	0.96	0.12	37,37,37,37	0
55	MG	2A	3537	1/1	0.96	0.11	65,65,65,65	0
55	MG	2A	3808	1/1	0.96	0.07	48,48,48,48	0
55	MG	2A	3072	1/1	0.96	0.06	39,39,39,39	0
55	MG	2A	3541	1/1	0.96	0.10	41,41,41,41	0
55	MG	1A	3442	1/1	0.96	0.06	25,25,25,25	0
55	MG	1A	3647	1/1	0.96	0.04	28,28,28,28	0
55	MG	2A	3256	1/1	0.96	0.10	45,45,45,45	0
55	MG	1A	3777	1/1	0.96	0.07	57,57,57,57	0
55	MG	1A	3446	1/1	0.96	0.05	76,76,76,76	0
55	MG	1a	1773	1/1	0.96	0.11	43,43,43,43	0
55	MG	1a	1633	1/1	0.96	0.08	34,34,34,34	0
55	MG	1A	3072	1/1	0.96	0.12	37,37,37,37	0
55	MG	1A	3449	1/1	0.96	0.06	45,45,45,45	0
55	MG	2A	3263	1/1	0.96	0.10	44,44,44,44	0
55	MG	2A	3087	1/1	0.96	0.17	43,43,43,43	0
55	MG	1A	3551	1/1	0.96	0.19	47,47,47,47	0
55	MG	2A	3267	1/1	0.96	0.15	44,44,44,44	0
55	MG	1A	3199	1/1	0.96	0.11	44,44,44,44	0
55	MG	2A	3090	1/1	0.96	0.10	46,46,46,46	0
55	MG	1A	3167	1/1	0.96	0.15	33,33,33,33	0
55	MG	2A	3850	1/1	0.96	0.10	81,81,81,81	0
55	MG	1B	219	1/1	0.96	0.06	51,51,51,51	0
55	MG	2A	3854	1/1	0.96	0.05	35,35,35,35	0
55	MG	1A	3109	1/1	0.96	0.05	19,19,19,19	0
55	MG	2A	3095	1/1	0.96	0.11	17,17,17,17	0
55	MG	2A	3276	1/1	0.96	0.07	41,41,41,41	0
55	MG	2A	3859	1/1	0.96	0.14	62,62,62,62	0
55	MG	2A	3566	1/1	0.96	0.11	26,26,26,26	0
55	MG	2A	3277	1/1	0.96	0.17	39,39,39,39	0
55	MG	2A	3865	1/1	0.96	0.07	56,56,56,56	0
55	MG	1A	3658	1/1	0.96	0.06	27,27,27,27	0
55	MG	2A	3282	1/1	0.96	0.12	41,41,41,41	0
55	MG	1A	3453	1/1	0.96	0.06	36,36,36,36	0
55	MG	1A	3798	1/1	0.96	0.10	60,60,60,60	0
55	MG	2A	3573	1/1	0.96	0.09	27,27,27,27	0
55	MG	2A	3101	1/1	0.96	0.26	36,36,36,36	0
55	MG	1A	3204	1/1	0.96	0.08	31,31,31,31	0
55	MG	2A	3294	1/1	0.96	0.06	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3206	1/1	0.96	0.33	18,18,18,18	0
55	MG	1a	1646	1/1	0.96	0.22	47,47,47,47	0
55	MG	2a	1650	1/1	0.96	0.23	51,51,51,51	0
55	MG	1A	3665	1/1	0.96	0.11	23,23,23,23	0
55	MG	1A	3666	1/1	0.96	0.05	42,42,42,42	0
55	MG	1A	3305	1/1	0.96	0.12	47,47,47,47	0
55	MG	1A	3089	1/1	0.96	0.45	26,26,26,26	0
55	MG	1A	3314	1/1	0.96	0.05	43,43,43,43	0
55	MG	2A	3304	1/1	0.96	0.06	51,51,51,51	0
55	MG	2A	3306	1/1	0.96	0.06	46,46,46,46	0
55	MG	2A	3886	1/1	0.96	0.06	55,55,55,55	0
55	MG	2A	3111	1/1	0.96	0.14	44,44,44,44	0
55	MG	1A	3818	1/1	0.96	0.10	40,40,40,40	0
55	MG	2A	3311	1/1	0.96	0.08	66,66,66,66	0
55	MG	2A	3892	1/1	0.96	0.10	61,61,61,61	0
55	MG	1A	3111	1/1	0.96	0.11	29,29,29,29	0
55	MG	2A	3894	1/1	0.96	0.10	38,38,38,38	0
55	MG	1A	3823	1/1	0.96	0.10	60,60,60,60	0
55	MG	2A	3896	1/1	0.96	0.13	45,45,45,45	0
55	MG	2A	3900	1/1	0.96	0.16	69,69,69,69	0
55	MG	1D	314	1/1	0.96	0.06	42,42,42,42	0
55	MG	2A	3602	1/1	0.96	0.09	53,53,53,53	0
55	MG	1A	3210	1/1	0.96	0.16	28,28,28,28	0
55	MG	2A	3906	1/1	0.96	0.11	79,79,79,79	0
55	MG	1a	1802	1/1	0.96	0.05	67,67,67,67	0
55	MG	2a	1674	1/1	0.96	0.13	31,31,31,31	0
55	MG	1a	1803	1/1	0.96	0.08	40,40,40,40	0
55	MG	2A	3910	1/1	0.96	0.13	37,37,37,37	0
55	MG	2A	3324	1/1	0.96	0.04	28,28,28,28	0
55	MG	1A	3141	1/1	0.96	0.14	36,36,36,36	0
55	MG	2A	3609	1/1	0.96	0.12	64,64,64,64	0
55	MG	1A	3843	1/1	0.96	0.35	25,25,25,25	0
55	MG	1A	3023	1/1	0.96	0.19	33,33,33,33	0
55	MG	1A	3848	1/1	0.96	0.12	63,63,63,63	0
55	MG	1A	3852	1/1	0.96	0.06	29,29,29,29	0
55	MG	2a	1686	1/1	0.96	0.04	78,78,78,78	0
55	MG	1A	3854	1/1	0.96	0.18	38,38,38,38	0
55	MG	1A	3057	1/1	0.96	0.18	16,16,16,16	0
55	MG	1A	3477	1/1	0.96	0.08	8,8,8,8	0
55	MG	2A	3335	1/1	0.96	0.06	77,77,77,77	0
55	MG	1a	1814	1/1	0.96	0.11	54,54,54,54	0
55	MG	2A	3926	1/1	0.96	0.08	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3116	1/1	0.96	0.10	35,35,35,35	0
55	MG	1a	1823	1/1	0.96	0.15	51,51,51,51	0
55	MG	1A	3580	1/1	0.96	0.06	26,26,26,26	0
55	MG	1A	3582	1/1	0.96	0.08	14,14,14,14	0
55	MG	1A	3019	1/1	0.96	0.26	15,15,15,15	0
55	MG	1A	3118	1/1	0.96	0.05	35,35,35,35	0
55	MG	1A	3484	1/1	0.96	0.14	38,38,38,38	0
55	MG	2A	3367	1/1	0.96	0.05	36,36,36,36	0
55	MG	2A	3631	1/1	0.96	0.04	75,75,75,75	0
55	MG	2a	1706	1/1	0.96	0.06	58,58,58,58	0
55	MG	1A	3866	1/1	0.96	0.09	79,79,79,79	0
55	MG	1A	3587	1/1	0.96	0.17	29,29,29,29	0
55	MG	2A	3637	1/1	0.96	0.08	39,39,39,39	0
55	MG	1A	3869	1/1	0.96	0.07	38,38,38,38	0
55	MG	2A	3943	1/1	0.96	0.10	38,38,38,38	0
55	MG	2A	3144	1/1	0.96	0.35	33,33,33,33	0
55	MG	2A	3145	1/1	0.96	0.12	42,42,42,42	0
55	MG	1A	3870	1/1	0.96	0.12	47,47,47,47	0
55	MG	2a	1720	1/1	0.96	0.13	60,60,60,60	0
55	MG	2A	3382	1/1	0.96	0.12	37,37,37,37	0
55	MG	1A	3692	1/1	0.96	0.07	29,29,29,29	0
55	MG	2a	1723	1/1	0.96	0.06	73,73,73,73	0
55	MG	1A	3693	1/1	0.96	0.08	20,20,20,20	0
55	MG	1A	3177	1/1	0.96	0.11	46,46,46,46	0
55	MG	1A	3697	1/1	0.96	0.09	37,37,37,37	0
55	MG	2a	1727	1/1	0.96	0.06	62,62,62,62	0
55	MG	2A	3953	1/1	0.96	0.17	48,48,48,48	0
55	MG	2A	3651	1/1	0.96	0.08	47,47,47,47	0
55	MG	2A	3388	1/1	0.96	0.06	56,56,56,56	0
55	MG	2A	3389	1/1	0.96	0.08	25,25,25,25	0
55	MG	1A	3049	1/1	0.96	0.10	22,22,22,22	0
55	MG	1A	3487	1/1	0.96	0.11	21,21,21,21	0
55	MG	1A	3008	1/1	0.96	0.15	32,32,32,32	0
55	MG	2A	3154	1/1	0.96	0.06	44,44,44,44	0
55	MG	2A	3962	1/1	0.96	0.12	32,32,32,32	0
55	MG	1Q	204	1/1	0.96	0.06	28,28,28,28	0
55	MG	1A	3359	1/1	0.96	0.03	46,46,46,46	0
55	MG	2A	3398	1/1	0.96	0.10	47,47,47,47	0
55	MG	1A	3880	1/1	0.96	0.13	54,54,54,54	0
55	MG	1A	3595	1/1	0.96	0.12	27,27,27,27	0
55	MG	2A	3159	1/1	0.96	0.06	45,45,45,45	0
55	MG	1a	1688	1/1	0.96	0.08	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3001	1/1	0.96	0.06	23,23,23,23	0
55	MG	2A	3162	1/1	0.96	0.06	33,33,33,33	0
55	MG	2A	3671	1/1	0.96	0.07	52,52,52,52	0
55	MG	1A	3885	1/1	0.96	0.11	47,47,47,47	0
55	MG	1A	3888	1/1	0.96	0.09	60,60,60,60	0
55	MG	1A	3715	1/1	0.96	0.09	16,16,16,16	0
55	MG	1W	3001	1/1	0.96	0.14	14,14,14,14	0
55	MG	1A	3370	1/1	0.96	0.08	45,45,45,45	0
55	MG	1A	3124	1/1	0.96	0.13	28,28,28,28	0
55	MG	1A	3043	1/1	0.96	0.19	10,10,10,10	0
55	MG	2A	3425	1/1	0.96	0.05	32,32,32,32	0
55	MG	2A	3171	1/1	0.96	0.09	40,40,40,40	0
55	MG	2a	1760	1/1	0.96	0.07	52,52,52,52	0
55	MG	2a	1761	1/1	0.96	0.04	77,77,77,77	0
55	MG	2A	3427	1/1	0.96	0.12	44,44,44,44	0
55	MG	2A	3428	1/1	0.96	0.11	62,62,62,62	0
55	MG	1A	3719	1/1	0.96	0.26	22,22,22,22	0
55	MG	2a	1766	1/1	0.96	0.05	94,94,94,94	0
55	MG	1a	1706	1/1	0.96	0.10	44,44,44,44	0
55	MG	1A	3603	1/1	0.96	0.10	48,48,48,48	0
55	MG	2A	3441	1/1	0.96	0.05	87,87,87,87	0
55	MG	2A	3444	1/1	0.96	0.06	36,36,36,36	0
55	MG	2A	3175	1/1	0.96	0.06	42,42,42,42	0
55	MG	1o	101	1/1	0.96	0.16	42,42,42,42	0
55	MG	1A	3902	1/1	0.96	0.12	55,55,55,55	0
55	MG	1A	3497	1/1	0.96	0.17	37,37,37,37	0
55	MG	2D	304	1/1	0.96	0.10	35,35,35,35	0
55	MG	2D	305	1/1	0.96	0.11	33,33,33,33	0
55	MG	1A	3377	1/1	0.96	0.12	16,16,16,16	0
55	MG	2a	1780	1/1	0.96	0.08	93,93,93,93	0
55	MG	2A	3180	1/1	0.96	0.10	51,51,51,51	0
55	MG	1A	3380	1/1	0.96	0.07	23,23,23,23	0
55	MG	1A	3502	1/1	0.96	0.05	36,36,36,36	0
55	MG	2A	3183	1/1	0.96	0.13	43,43,43,43	0
55	MG	11	103	1/1	0.96	0.14	44,44,44,44	0
55	MG	1A	3908	1/1	0.96	0.17	14,14,14,14	0
55	MG	1A	3185	1/1	0.96	0.15	25,25,25,25	0
55	MG	1A	3729	1/1	0.96	0.07	95,95,95,95	0
55	MG	2A	3009	1/1	0.96	0.14	31,31,31,31	0
55	MG	2a	1793	1/1	0.96	0.05	66,66,66,66	0
55	MG	1A	3612	1/1	0.96	0.06	50,50,50,50	0
55	MG	2A	3011	1/1	0.96	0.09	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3012	1/1	0.96	0.19	34,34,34,34	0
55	MG	2a	1799	1/1	0.96	0.07	46,46,46,46	0
55	MG	2E	302	1/1	0.96	0.05	31,31,31,31	0
55	MG	2A	3717	1/1	0.96	0.06	43,43,43,43	0
55	MG	2A	3718	1/1	0.96	0.12	44,44,44,44	0
55	MG	2A	3475	1/1	0.96	0.13	39,39,39,39	0
55	MG	2a	1804	1/1	0.96	0.07	88,88,88,88	0
55	MG	1A	3153	1/1	0.96	0.36	26,26,26,26	0
55	MG	2A	3015	1/1	0.96	0.20	44,44,44,44	0
55	MG	1A	3733	1/1	0.96	0.12	37,37,37,37	0
55	MG	1A	3390	1/1	0.96	0.12	36,36,36,36	0
55	MG	1A	3154	1/1	0.96	0.28	41,41,41,41	0
55	MG	1A	3064	1/1	0.96	0.03	20,20,20,20	0
55	MG	1A	3924	1/1	0.96	0.14	16,16,16,16	0
55	MG	2A	3730	1/1	0.96	0.21	43,43,43,43	0
55	MG	1A	3928	1/1	0.96	0.14	33,33,33,33	0
55	MG	2A	3732	1/1	0.96	0.10	95,95,95,95	0
55	MG	1A	3740	1/1	0.96	0.04	46,46,46,46	0
55	MG	2a	1825	1/1	0.96	0.05	97,97,97,97	0
55	MG	2a	1826	1/1	0.96	0.14	85,85,85,85	0
55	MG	2A	3029	1/1	0.96	0.05	39,39,39,39	0
55	MG	1a	1735	1/1	0.96	0.07	41,41,41,41	0
55	MG	2a	1829	1/1	0.96	0.06	64,64,64,64	0
55	MG	2A	3738	1/1	0.96	0.14	60,60,60,60	0
55	MG	1A	3018	1/1	0.96	0.42	20,20,20,20	0
55	MG	1A	3030	1/1	0.96	0.16	10,10,10,10	0
55	MG	1A	3935	1/1	0.96	0.24	20,20,20,20	0
55	MG	2P	202	1/1	0.96	0.04	84,84,84,84	0
55	MG	2A	3496	1/1	0.96	0.10	43,43,43,43	0
55	MG	1A	3403	1/1	0.96	0.06	40,40,40,40	0
55	MG	1a	1741	1/1	0.96	0.09	42,42,42,42	0
55	MG	1A	3406	1/1	0.96	0.07	38,38,38,38	0
55	MG	2a	1841	1/1	0.96	0.04	87,87,87,87	0
55	MG	2A	3216	1/1	0.96	0.15	37,37,37,37	0
55	MG	1a	1743	1/1	0.96	0.22	58,58,58,58	0
55	MG	1A	3747	1/1	0.96	0.08	27,27,27,27	0
55	MG	1a	1745	1/1	0.96	0.19	61,61,61,61	0
55	MG	1A	3941	1/1	0.96	0.08	48,48,48,48	0
55	MG	2A	3755	1/1	0.96	0.12	35,35,35,35	0
55	MG	2U	204	1/1	0.96	0.23	44,44,44,44	0
55	MG	2A	3506	1/1	0.96	0.08	55,55,55,55	0
55	MG	1A	3626	1/1	0.96	0.04	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2V	202	1/1	0.96	0.14	37,37,37,37	0
55	MG	1A	3944	1/1	0.96	0.24	28,28,28,28	0
55	MG	2A	3759	1/1	0.96	0.07	28,28,28,28	0
55	MG	2V	205	1/1	0.96	0.10	59,59,59,59	0
55	MG	1A	3945	1/1	0.96	0.08	22,22,22,22	0
55	MG	2W	3002	1/1	0.96	0.08	41,41,41,41	0
55	MG	1A	3407	1/1	0.96	0.18	34,34,34,34	0
55	MG	1A	3752	1/1	0.96	0.11	29,29,29,29	0
55	MG	1A	3408	1/1	0.96	0.05	54,54,54,54	0
55	MG	1A	3277	1/1	0.96	0.10	37,37,37,37	0
55	MG	2A	3769	1/1	0.96	0.04	62,62,62,62	0
55	MG	1A	3887	1/1	0.97	0.12	71,71,71,71	0
55	MG	2A	3505	1/1	0.97	0.06	47,47,47,47	0
55	MG	1A	3581	1/1	0.97	0.08	24,24,24,24	0
55	MG	2A	3223	1/1	0.97	0.12	48,48,48,48	0
55	MG	2X	102	1/1	0.97	0.07	66,66,66,66	0
55	MG	2A	3224	1/1	0.97	0.20	31,31,31,31	0
55	MG	1A	3011	1/1	0.97	0.06	27,27,27,27	0
55	MG	2A	3773	1/1	0.97	0.05	46,46,46,46	0
55	MG	1a	1731	1/1	0.97	0.05	59,59,59,59	0
55	MG	1A	3890	1/1	0.97	0.06	21,21,21,21	0
55	MG	1A	3202	1/1	0.97	0.22	29,29,29,29	0
55	MG	2A	3514	1/1	0.97	0.04	59,59,59,59	0
55	MG	25	101	1/1	0.97	0.07	48,48,48,48	0
55	MG	1A	3362	1/1	0.97	0.14	38,38,38,38	0
55	MG	1A	3585	1/1	0.97	0.06	29,29,29,29	0
55	MG	2A	3044	1/1	0.97	0.07	26,26,26,26	0
55	MG	1A	3160	1/1	0.97	0.44	23,23,23,23	0
55	MG	1A	3479	1/1	0.97	0.09	39,39,39,39	0
55	MG	2A	3785	1/1	0.97	0.06	71,71,71,71	0
55	MG	1a	1738	1/1	0.97	0.09	50,50,50,50	0
55	MG	2A	3239	1/1	0.97	0.08	29,29,29,29	0
55	MG	11	101	1/1	0.97	0.03	26,26,26,26	0
55	MG	1A	3088	1/1	0.97	0.24	24,24,24,24	0
55	MG	2A	3793	1/1	0.97	0.04	52,52,52,52	0
55	MG	2A	3242	1/1	0.97	0.04	32,32,32,32	0
55	MG	1A	3028	1/1	0.97	0.15	19,19,19,19	0
55	MG	2A	3798	1/1	0.97	0.08	60,60,60,60	0
55	MG	2A	3053	1/1	0.97	0.12	37,37,37,37	0
55	MG	2A	3530	1/1	0.97	0.27	37,37,37,37	0
55	MG	2A	3801	1/1	0.97	0.06	57,57,57,57	0
55	MG	2A	3802	1/1	0.97	0.04	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3054	1/1	0.97	0.04	31,31,31,31	0
55	MG	13	101	1/1	0.97	0.12	30,30,30,30	0
55	MG	1A	3482	1/1	0.97	0.12	37,37,37,37	0
55	MG	1A	3725	1/1	0.97	0.05	29,29,29,29	0
55	MG	1A	3906	1/1	0.97	0.05	14,14,14,14	0
55	MG	1A	3375	1/1	0.97	0.11	24,24,24,24	0
55	MG	1A	3592	1/1	0.97	0.16	23,23,23,23	0
55	MG	1A	3182	1/1	0.97	0.07	24,24,24,24	0
55	MG	2A	3539	1/1	0.97	0.07	20,20,20,20	0
55	MG	2A	3540	1/1	0.97	0.06	49,49,49,49	0
55	MG	1A	3208	1/1	0.97	0.17	16,16,16,16	0
55	MG	2A	3827	1/1	0.97	0.13	48,48,48,48	0
55	MG	1A	3278	1/1	0.97	0.10	42,42,42,42	0
55	MG	2A	3829	1/1	0.97	0.19	77,77,77,77	0
55	MG	1A	3382	1/1	0.97	0.07	35,35,35,35	0
55	MG	19	101	1/1	0.97	0.10	24,24,24,24	0
55	MG	1A	3241	1/1	0.97	0.74	21,21,21,21	0
55	MG	2A	3067	1/1	0.97	0.12	41,41,41,41	0
55	MG	1A	3490	1/1	0.97	0.05	17,17,17,17	0
55	MG	2A	3838	1/1	0.97	0.08	48,48,48,48	0
55	MG	1A	3920	1/1	0.97	0.44	33,33,33,33	0
55	MG	1A	3387	1/1	0.97	0.05	54,54,54,54	0
55	MG	2A	3071	1/1	0.97	0.11	43,43,43,43	0
55	MG	1A	3492	1/1	0.97	0.14	28,28,28,28	0
55	MG	2A	3264	1/1	0.97	0.13	16,16,16,16	0
55	MG	1A	3044	1/1	0.97	0.10	21,21,21,21	0
55	MG	1A	3925	1/1	0.97	0.18	26,26,26,26	0
55	MG	2A	3853	1/1	0.97	0.05	53,53,53,53	0
55	MG	2A	3076	1/1	0.97	0.16	36,36,36,36	0
55	MG	1A	3389	1/1	0.97	0.05	8,8,8,8	0
55	MG	1a	1607	1/1	0.97	0.07	74,74,74,74	0
55	MG	1A	3025	1/1	0.97	0.38	22,22,22,22	0
55	MG	1A	3391	1/1	0.97	0.15	30,30,30,30	0
55	MG	2A	3084	1/1	0.97	0.29	38,38,38,38	0
55	MG	2A	3861	1/1	0.97	0.09	50,50,50,50	0
55	MG	2A	3862	1/1	0.97	0.05	63,63,63,63	0
55	MG	1A	3392	1/1	0.97	0.05	50,50,50,50	0
55	MG	1A	3499	1/1	0.97	0.05	33,33,33,33	0
55	MG	1A	3748	1/1	0.97	0.04	49,49,49,49	0
55	MG	1a	1613	1/1	0.97	0.08	26,26,26,26	0
55	MG	1A	3145	1/1	0.97	0.35	24,24,24,24	0
55	MG	1A	3939	1/1	0.97	0.11	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3616	1/1	0.97	0.11	38,38,38,38	0
55	MG	2A	3572	1/1	0.97	0.06	67,67,67,67	0
55	MG	2A	3092	1/1	0.97	0.36	47,47,47,47	0
55	MG	2A	3577	1/1	0.97	0.07	69,69,69,69	0
55	MG	2a	1657	1/1	0.97	0.15	46,46,46,46	0
55	MG	2A	3578	1/1	0.97	0.08	43,43,43,43	0
55	MG	1A	3186	1/1	0.97	0.18	24,24,24,24	0
55	MG	2A	3293	1/1	0.97	0.14	7,7,7,7	0
55	MG	1A	3396	1/1	0.97	0.17	35,35,35,35	0
55	MG	1A	3505	1/1	0.97	0.11	48,48,48,48	0
55	MG	1A	3068	1/1	0.97	0.24	33,33,33,33	0
55	MG	1a	1777	1/1	0.97	0.06	72,72,72,72	0
55	MG	2A	3099	1/1	0.97	0.12	43,43,43,43	0
55	MG	1A	3093	1/1	0.97	0.12	27,27,27,27	0
55	MG	1A	3947	1/1	0.97	0.26	24,24,24,24	0
55	MG	1A	3948	1/1	0.97	0.37	24,24,24,24	0
55	MG	1A	3399	1/1	0.97	0.04	30,30,30,30	0
55	MG	2A	3890	1/1	0.97	0.08	43,43,43,43	0
55	MG	1A	3293	1/1	0.97	0.05	45,45,45,45	0
55	MG	2A	3105	1/1	0.97	0.25	39,39,39,39	0
55	MG	1A	3511	1/1	0.97	0.11	46,46,46,46	0
55	MG	1A	3294	1/1	0.97	0.09	22,22,22,22	0
55	MG	1A	3632	1/1	0.97	0.07	16,16,16,16	0
55	MG	1A	3634	1/1	0.97	0.07	34,34,34,34	0
55	MG	2A	3897	1/1	0.97	0.09	52,52,52,52	0
55	MG	1A	3216	1/1	0.97	0.11	21,21,21,21	0
55	MG	1A	3069	1/1	0.97	0.31	17,17,17,17	0
55	MG	2A	3320	1/1	0.97	0.05	72,72,72,72	0
55	MG	1A	3190	1/1	0.97	0.38	36,36,36,36	0
55	MG	2A	3904	1/1	0.97	0.06	35,35,35,35	0
55	MG	1A	3517	1/1	0.97	0.08	21,21,21,21	0
55	MG	2a	1685	1/1	0.97	0.09	47,47,47,47	0
55	MG	1A	3302	1/1	0.97	0.14	43,43,43,43	0
55	MG	1A	3519	1/1	0.97	0.15	27,27,27,27	0
55	MG	2A	3909	1/1	0.97	0.05	58,58,58,58	0
55	MG	1A	3520	1/1	0.97	0.07	35,35,35,35	0
55	MG	2A	3328	1/1	0.97	0.14	39,39,39,39	0
55	MG	1A	3521	1/1	0.97	0.22	19,19,19,19	0
55	MG	2A	3913	1/1	0.97	0.05	55,55,55,55	0
55	MG	1A	3095	1/1	0.97	0.25	21,21,21,21	0
55	MG	1A	3523	1/1	0.97	0.04	12,12,12,12	0
55	MG	2a	1695	1/1	0.97	0.05	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1799	1/1	0.97	0.06	73,73,73,73	0
55	MG	2a	1698	1/1	0.97	0.04	75,75,75,75	0
55	MG	2A	3616	1/1	0.97	0.28	35,35,35,35	0
55	MG	1A	3524	1/1	0.97	0.17	24,24,24,24	0
55	MG	1A	3648	1/1	0.97	0.10	66,66,66,66	0
55	MG	1A	3787	1/1	0.97	0.05	23,23,23,23	0
55	MG	1A	3789	1/1	0.97	0.06	42,42,42,42	0
55	MG	2A	3922	1/1	0.97	0.09	17,17,17,17	0
55	MG	1B	216	1/1	0.97	0.09	29,29,29,29	0
55	MG	2A	3622	1/1	0.97	0.09	46,46,46,46	0
55	MG	2A	3925	1/1	0.97	0.17	24,24,24,24	0
55	MG	1A	3791	1/1	0.97	0.09	38,38,38,38	0
55	MG	1A	3311	1/1	0.97	0.10	11,11,11,11	0
55	MG	1A	3794	1/1	0.97	0.04	50,50,50,50	0
55	MG	1A	3527	1/1	0.97	0.05	40,40,40,40	0
55	MG	2A	3349	1/1	0.97	0.05	42,42,42,42	0
55	MG	2A	3350	1/1	0.97	0.05	40,40,40,40	0
55	MG	2A	3359	1/1	0.97	0.05	34,34,34,34	0
55	MG	1B	223	1/1	0.97	0.14	61,61,61,61	0
55	MG	1A	3797	1/1	0.97	0.21	37,37,37,37	0
55	MG	2A	3634	1/1	0.97	0.08	68,68,68,68	0
55	MG	1A	3652	1/1	0.97	0.09	31,31,31,31	0
55	MG	2A	3134	1/1	0.97	0.06	40,40,40,40	0
55	MG	1A	3415	1/1	0.97	0.05	49,49,49,49	0
55	MG	2A	3136	1/1	0.97	0.07	34,34,34,34	0
55	MG	2A	3374	1/1	0.97	0.07	30,30,30,30	0
55	MG	2A	3642	1/1	0.97	0.08	53,53,53,53	0
55	MG	1a	1815	1/1	0.97	0.07	93,93,93,93	0
55	MG	2A	3138	1/1	0.97	0.14	40,40,40,40	0
55	MG	2a	1732	1/1	0.97	0.09	78,78,78,78	0
55	MG	2A	3380	1/1	0.97	0.06	35,35,35,35	0
55	MG	2A	3139	1/1	0.97	0.08	38,38,38,38	0
55	MG	2A	3648	1/1	0.97	0.11	49,49,49,49	0
55	MG	1a	1820	1/1	0.97	0.11	65,65,65,65	0
55	MG	1A	3417	1/1	0.97	0.06	32,32,32,32	0
55	MG	1A	3004	1/1	0.97	0.04	29,29,29,29	0
55	MG	2A	3143	1/1	0.97	0.14	42,42,42,42	0
55	MG	1A	3531	1/1	0.97	0.09	42,42,42,42	0
55	MG	2A	3956	1/1	0.97	0.19	34,34,34,34	0
55	MG	1A	3421	1/1	0.97	0.14	29,29,29,29	0
55	MG	1A	3534	1/1	0.97	0.06	14,14,14,14	0
55	MG	2A	3656	1/1	0.97	0.08	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3391	1/1	0.97	0.08	63,63,63,63	0
55	MG	1a	1829	1/1	0.97	0.06	84,84,84,84	0
55	MG	1A	3422	1/1	0.97	0.05	42,42,42,42	0
55	MG	1A	3816	1/1	0.97	0.12	43,43,43,43	0
55	MG	1D	310	1/1	0.97	0.14	10,10,10,10	0
55	MG	2A	3663	1/1	0.97	0.04	25,25,25,25	0
55	MG	2a	1752	1/1	0.97	0.09	77,77,77,77	0
55	MG	2a	1753	1/1	0.97	0.05	102,102,102,102	0
55	MG	1A	3817	1/1	0.97	0.22	35,35,35,35	0
55	MG	2A	3968	1/1	0.97	0.20	34,34,34,34	0
55	MG	1A	3661	1/1	0.97	0.06	27,27,27,27	0
55	MG	1A	3434	1/1	0.97	0.06	20,20,20,20	0
55	MG	1a	1836	1/1	0.97	0.05	53,53,53,53	0
55	MG	2A	3403	1/1	0.97	0.06	68,68,68,68	0
55	MG	1A	3438	1/1	0.97	0.06	33,33,33,33	0
55	MG	1A	3439	1/1	0.97	0.08	49,49,49,49	0
55	MG	2a	1762	1/1	0.97	0.14	71,71,71,71	0
55	MG	1A	3541	1/1	0.97	0.09	41,41,41,41	0
55	MG	1A	3254	1/1	0.97	0.11	41,41,41,41	0
55	MG	2B	3007	1/1	0.97	0.06	52,52,52,52	0
55	MG	2A	3410	1/1	0.97	0.08	54,54,54,54	0
55	MG	1A	3444	1/1	0.97	0.33	32,32,32,32	0
55	MG	1E	304	1/1	0.97	0.06	25,25,25,25	0
55	MG	1E	305	1/1	0.97	0.08	25,25,25,25	0
55	MG	2A	3414	1/1	0.97	0.04	70,70,70,70	0
55	MG	1A	3847	1/1	0.97	0.12	41,41,41,41	0
55	MG	1A	3445	1/1	0.97	0.11	19,19,19,19	0
55	MG	1A	3851	1/1	0.97	0.06	43,43,43,43	0
55	MG	2a	1775	1/1	0.97	0.06	54,54,54,54	0
55	MG	1A	3113	1/1	0.97	0.11	21,21,21,21	0
55	MG	2A	3421	1/1	0.97	0.04	54,54,54,54	0
55	MG	1A	3550	1/1	0.97	0.13	36,36,36,36	0
55	MG	2A	3167	1/1	0.97	0.09	35,35,35,35	0
55	MG	2A	3686	1/1	0.97	0.12	39,39,39,39	0
55	MG	1A	3071	1/1	0.97	0.09	26,26,26,26	0
55	MG	1A	3323	1/1	0.97	0.05	24,24,24,24	0
55	MG	2a	1783	1/1	0.97	0.08	90,90,90,90	0
55	MG	1A	3099	1/1	0.97	0.15	29,29,29,29	0
55	MG	1F	309	1/1	0.97	0.21	21,21,21,21	0
55	MG	2D	302	1/1	0.97	0.27	28,28,28,28	0
55	MG	1A	3225	1/1	0.97	0.07	25,25,25,25	0
55	MG	2A	3437	1/1	0.97	0.05	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3861	1/1	0.97	0.14	63,63,63,63	0
55	MG	2a	1790	1/1	0.97	0.04	57,57,57,57	0
55	MG	2A	3440	1/1	0.97	0.11	27,27,27,27	0
55	MG	2a	1792	1/1	0.97	0.10	56,56,56,56	0
55	MG	1F	312	1/1	0.97	0.40	22,22,22,22	0
55	MG	1A	3053	1/1	0.97	0.43	18,18,18,18	0
55	MG	1A	3155	1/1	0.97	0.04	16,16,16,16	0
55	MG	1A	3680	1/1	0.97	0.10	27,27,27,27	0
55	MG	1A	3329	1/1	0.97	0.06	67,67,67,67	0
55	MG	1A	3682	1/1	0.97	0.12	39,39,39,39	0
55	MG	1A	3228	1/1	0.97	0.12	37,37,37,37	0
55	MG	1a	1691	1/1	0.97	0.12	59,59,59,59	0
55	MG	1A	3332	1/1	0.97	0.05	53,53,53,53	0
55	MG	1N	202	1/1	0.97	0.17	32,32,32,32	0
55	MG	2A	3713	1/1	0.97	0.13	34,34,34,34	0
55	MG	1A	3460	1/1	0.97	0.07	16,16,16,16	0
55	MG	1a	1695	1/1	0.97	0.08	53,53,53,53	0
55	MG	2A	3459	1/1	0.97	0.05	53,53,53,53	0
55	MG	2A	3719	1/1	0.97	0.05	25,25,25,25	0
55	MG	1a	1696	1/1	0.97	0.09	63,63,63,63	0
55	MG	1A	3690	1/1	0.97	0.19	33,33,33,33	0
55	MG	2F	302	1/1	0.97	0.15	35,35,35,35	0
55	MG	2a	1819	1/1	0.97	0.08	61,61,61,61	0
55	MG	1P	202	1/1	0.97	0.18	17,17,17,17	0
55	MG	1a	1703	1/1	0.97	0.14	42,42,42,42	0
55	MG	1A	3462	1/1	0.97	0.16	50,50,50,50	0
55	MG	2A	3192	1/1	0.97	0.21	44,44,44,44	0
55	MG	2A	3472	1/1	0.97	0.08	68,68,68,68	0
55	MG	2A	3728	1/1	0.97	0.07	37,37,37,37	0
55	MG	1A	3464	1/1	0.97	0.04	38,38,38,38	0
55	MG	2F	310	1/1	0.97	0.23	40,40,40,40	0
55	MG	1Q	202	1/1	0.97	0.04	19,19,19,19	0
55	MG	1A	3334	1/1	0.97	0.07	29,29,29,29	0
55	MG	1A	3035	1/1	0.97	0.04	16,16,16,16	0
55	MG	2A	3016	1/1	0.97	0.25	38,38,38,38	0
55	MG	1A	3469	1/1	0.97	0.08	41,41,41,41	0
55	MG	2A	3483	1/1	0.97	0.08	36,36,36,36	0
55	MG	2N	201	1/1	0.97	0.13	72,72,72,72	0
55	MG	2A	3018	1/1	0.97	0.36	41,41,41,41	0
55	MG	2A	3739	1/1	0.97	0.08	57,57,57,57	0
55	MG	1a	1712	1/1	0.97	0.08	83,83,83,83	0
55	MG	2A	3020	1/1	0.97	0.09	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2Q	201	1/1	0.97	0.10	79,79,79,79	0
55	MG	1A	3230	1/1	0.97	0.23	36,36,36,36	0
55	MG	1A	3575	1/1	0.97	0.08	43,43,43,43	0
55	MG	2A	3205	1/1	0.97	0.28	42,42,42,42	0
55	MG	1A	3200	1/1	0.97	0.15	23,23,23,23	0
55	MG	1A	3702	1/1	0.97	0.05	43,43,43,43	0
55	MG	2T	201	1/1	0.97	0.10	21,21,21,21	0
55	MG	2A	3748	1/1	0.97	0.04	50,50,50,50	0
55	MG	1a	1719	1/1	0.97	0.05	44,44,44,44	0
55	MG	2A	3494	1/1	0.97	0.10	34,34,34,34	0
55	MG	2A	3210	1/1	0.97	0.17	37,37,37,37	0
55	MG	2A	3028	1/1	0.97	0.17	38,38,38,38	0
55	MG	1U	203	1/1	0.97	0.06	32,32,32,32	0
55	MG	1U	204	1/1	0.97	0.18	22,22,22,22	0
55	MG	1A	3704	1/1	0.97	0.07	57,57,57,57	0
55	MG	1V	201	1/1	0.97	0.12	16,16,16,16	0
55	MG	1A	3884	1/1	0.97	0.05	76,76,76,76	0
55	MG	1A	3341	1/1	0.97	0.06	29,29,29,29	0
55	MG	2A	3035	1/1	0.97	0.08	41,41,41,41	0
55	MG	1A	3386	1/1	0.98	0.06	18,18,18,18	0
55	MG	1A	3319	1/1	0.98	0.07	52,52,52,52	0
55	MG	1A	3275	1/1	0.98	0.06	11,11,11,11	0
55	MG	2A	3880	1/1	0.98	0.04	58,58,58,58	0
55	MG	2A	3424	1/1	0.98	0.08	72,72,72,72	0
55	MG	1A	3276	1/1	0.98	0.04	35,35,35,35	0
55	MG	1A	3911	1/1	0.98	0.15	61,61,61,61	0
55	MG	1R	201	1/1	0.98	0.07	20,20,20,20	0
55	MG	2A	3228	1/1	0.98	0.05	43,43,43,43	0
55	MG	2A	3429	1/1	0.98	0.04	23,23,23,23	0
55	MG	2A	3430	1/1	0.98	0.06	71,71,71,71	0
55	MG	2A	3229	1/1	0.98	0.05	29,29,29,29	0
55	MG	1R	202	1/1	0.98	0.05	26,26,26,26	0
55	MG	1A	3776	1/1	0.98	0.12	46,46,46,46	0
55	MG	2A	3646	1/1	0.98	0.10	40,40,40,40	0
55	MG	1A	3913	1/1	0.98	0.09	27,27,27,27	0
55	MG	1T	201	1/1	0.98	0.06	30,30,30,30	0
55	MG	2A	3234	1/1	0.98	0.08	29,29,29,29	0
55	MG	2A	3442	1/1	0.98	0.10	20,20,20,20	0
55	MG	1a	1818	1/1	0.98	0.07	72,72,72,72	0
55	MG	1a	1819	1/1	0.98	0.04	52,52,52,52	0
55	MG	2A	3447	1/1	0.98	0.05	29,29,29,29	0
55	MG	2A	3237	1/1	0.98	0.11	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3459	1/1	0.98	0.07	8,8,8,8	0
55	MG	2A	3096	1/1	0.98	0.10	35,35,35,35	0
55	MG	2A	3905	1/1	0.98	0.05	51,51,51,51	0
55	MG	2A	3657	1/1	0.98	0.14	45,45,45,45	0
55	MG	1A	3232	1/1	0.98	0.04	16,16,16,16	0
55	MG	2A	3452	1/1	0.98	0.08	82,82,82,82	0
55	MG	2a	1649	1/1	0.98	0.09	65,65,65,65	0
55	MG	1A	3461	1/1	0.98	0.07	32,32,32,32	0
55	MG	1A	3917	1/1	0.98	0.07	23,23,23,23	0
55	MG	1A	3918	1/1	0.98	0.14	35,35,35,35	0
55	MG	1a	1686	1/1	0.98	0.18	33,33,33,33	0
55	MG	1A	3087	1/1	0.98	0.04	30,30,30,30	0
55	MG	2A	3458	1/1	0.98	0.04	46,46,46,46	0
55	MG	2A	3666	1/1	0.98	0.11	51,51,51,51	0
55	MG	1A	3781	1/1	0.98	0.05	28,28,28,28	0
55	MG	1A	3132	1/1	0.98	0.05	22,22,22,22	0
55	MG	1A	3281	1/1	0.98	0.06	58,58,58,58	0
55	MG	2A	3463	1/1	0.98	0.06	36,36,36,36	0
55	MG	1A	3235	1/1	0.98	0.06	27,27,27,27	0
55	MG	1A	3927	1/1	0.98	0.08	27,27,27,27	0
55	MG	2A	3468	1/1	0.98	0.05	36,36,36,36	0
55	MG	1A	3468	1/1	0.98	0.06	24,24,24,24	0
55	MG	1Y	502	1/1	0.98	0.10	90,90,90,90	0
55	MG	1A	3929	1/1	0.98	0.09	25,25,25,25	0
55	MG	1A	3158	1/1	0.98	0.05	28,28,28,28	0
55	MG	2A	3927	1/1	0.98	0.04	28,28,28,28	0
55	MG	2A	3474	1/1	0.98	0.04	38,38,38,38	0
55	MG	1A	3526	1/1	0.98	0.05	28,28,28,28	0
55	MG	1a	1701	1/1	0.98	0.04	56,56,56,56	0
55	MG	1a	1702	1/1	0.98	0.04	46,46,46,46	0
55	MG	2A	3478	1/1	0.98	0.05	58,58,58,58	0
55	MG	2A	3479	1/1	0.98	0.09	53,53,53,53	0
55	MG	1A	3287	1/1	0.98	0.07	26,26,26,26	0
55	MG	10	105	1/1	0.98	0.07	49,49,49,49	0
55	MG	1A	3599	1/1	0.98	0.12	34,34,34,34	0
55	MG	2A	3687	1/1	0.98	0.04	80,80,80,80	0
55	MG	2a	1679	1/1	0.98	0.23	27,27,27,27	0
55	MG	1A	3936	1/1	0.98	0.07	41,41,41,41	0
55	MG	1A	3600	1/1	0.98	0.13	41,41,41,41	0
55	MG	2A	3486	1/1	0.98	0.11	59,59,59,59	0
55	MG	1A	3683	1/1	0.98	0.03	73,73,73,73	0
55	MG	2A	3692	1/1	0.98	0.05	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1a	1709	1/1	0.98	0.06	37,37,37,37	0
55	MG	1A	3684	1/1	0.98	0.05	41,41,41,41	0
55	MG	1A	3601	1/1	0.98	0.17	57,57,57,57	0
55	MG	1A	3799	1/1	0.98	0.04	35,35,35,35	0
55	MG	1A	3120	1/1	0.98	0.17	26,26,26,26	0
55	MG	2A	3700	1/1	0.98	0.05	58,58,58,58	0
55	MG	2A	3269	1/1	0.98	0.21	51,51,51,51	0
55	MG	1A	3333	1/1	0.98	0.06	28,28,28,28	0
55	MG	1A	3079	1/1	0.98	0.14	36,36,36,36	0
55	MG	2A	3128	1/1	0.98	0.07	39,39,39,39	0
55	MG	1A	3405	1/1	0.98	0.07	51,51,51,51	0
55	MG	1A	3606	1/1	0.98	0.05	23,23,23,23	0
55	MG	2A	3707	1/1	0.98	0.04	26,26,26,26	0
55	MG	2a	1699	1/1	0.98	0.05	53,53,53,53	0
55	MG	2A	3275	1/1	0.98	0.04	47,47,47,47	0
55	MG	1A	3607	1/1	0.98	0.07	16,16,16,16	0
55	MG	17	102	1/1	0.98	0.08	28,28,28,28	0
55	MG	2A	3278	1/1	0.98	0.16	38,38,38,38	0
55	MG	1A	3694	1/1	0.98	0.05	31,31,31,31	0
55	MG	2A	3280	1/1	0.98	0.05	33,33,33,33	0
55	MG	2A	3281	1/1	0.98	0.04	56,56,56,56	0
55	MG	2a	1708	1/1	0.98	0.05	76,76,76,76	0
55	MG	2A	3966	1/1	0.98	0.10	46,46,46,46	0
55	MG	1A	3815	1/1	0.98	0.08	57,57,57,57	0
55	MG	1A	3106	1/1	0.98	0.05	27,27,27,27	0
55	MG	1A	3696	1/1	0.98	0.05	50,50,50,50	0
55	MG	1A	3533	1/1	0.98	0.07	25,25,25,25	0
55	MG	1A	3062	1/1	0.98	0.23	17,17,17,17	0
55	MG	2A	3724	1/1	0.98	0.07	63,63,63,63	0
55	MG	2B	3002	1/1	0.98	0.04	69,69,69,69	0
55	MG	2A	3511	1/1	0.98	0.18	64,64,64,64	0
55	MG	2A	3290	1/1	0.98	0.06	29,29,29,29	0
55	MG	2A	3292	1/1	0.98	0.05	38,38,38,38	0
55	MG	2A	3003	1/1	0.98	0.07	34,34,34,34	0
55	MG	1A	3535	1/1	0.98	0.05	19,19,19,19	0
55	MG	1A	3828	1/1	0.98	0.10	52,52,52,52	0
55	MG	1A	3829	1/1	0.98	0.05	50,50,50,50	0
55	MG	1B	201	1/1	0.98	0.12	27,27,27,27	0
55	MG	1A	3222	1/1	0.98	0.27	30,30,30,30	0
55	MG	2B	3012	1/1	0.98	0.04	56,56,56,56	0
55	MG	1A	3831	1/1	0.98	0.08	13,13,13,13	0
55	MG	2A	3522	1/1	0.98	0.05	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3737	1/1	0.98	0.03	43,43,43,43	0
55	MG	1A	3832	1/1	0.98	0.06	10,10,10,10	0
55	MG	1A	3838	1/1	0.98	0.09	39,39,39,39	0
55	MG	2A	3740	1/1	0.98	0.20	86,86,86,86	0
55	MG	1A	3115	1/1	0.98	0.05	23,23,23,23	0
55	MG	1A	3348	1/1	0.98	0.06	11,11,11,11	0
55	MG	2A	3307	1/1	0.98	0.07	57,57,57,57	0
55	MG	2A	3308	1/1	0.98	0.05	36,36,36,36	0
55	MG	2A	3014	1/1	0.98	0.16	23,23,23,23	0
55	MG	1A	3845	1/1	0.98	0.14	47,47,47,47	0
55	MG	1A	3013	1/1	0.98	0.06	17,17,17,17	0
55	MG	2a	1743	1/1	0.98	0.05	75,75,75,75	0
55	MG	1A	3618	1/1	0.98	0.19	24,24,24,24	0
55	MG	1A	3709	1/1	0.98	0.04	31,31,31,31	0
55	MG	1B	212	1/1	0.98	0.04	59,59,59,59	0
55	MG	1A	3710	1/1	0.98	0.10	36,36,36,36	0
55	MG	1A	3139	1/1	0.98	0.15	33,33,33,33	0
55	MG	1A	3853	1/1	0.98	0.05	47,47,47,47	0
55	MG	2A	3023	1/1	0.98	0.24	44,44,44,44	0
55	MG	2A	3323	1/1	0.98	0.06	27,27,27,27	0
55	MG	1A	3360	1/1	0.98	0.05	16,16,16,16	0
55	MG	1A	3416	1/1	0.98	0.06	38,38,38,38	0
55	MG	1A	3856	1/1	0.98	0.12	34,34,34,34	0
55	MG	2A	3544	1/1	0.98	0.10	29,29,29,29	0
55	MG	2A	3762	1/1	0.98	0.10	69,69,69,69	0
55	MG	2A	3545	1/1	0.98	0.12	39,39,39,39	0
55	MG	2A	3327	1/1	0.98	0.04	34,34,34,34	0
55	MG	1A	3545	1/1	0.98	0.06	40,40,40,40	0
55	MG	1A	3361	1/1	0.98	0.06	35,35,35,35	0
55	MG	1A	3625	1/1	0.98	0.09	69,69,69,69	0
55	MG	1A	3720	1/1	0.98	0.13	40,40,40,40	0
55	MG	2A	3772	1/1	0.98	0.07	50,50,50,50	0
55	MG	1A	3547	1/1	0.98	0.04	29,29,29,29	0
55	MG	1A	3548	1/1	0.98	0.10	27,27,27,27	0
55	MG	1D	301	1/1	0.98	0.09	21,21,21,21	0
55	MG	1A	3628	1/1	0.98	0.12	10,10,10,10	0
55	MG	1A	3629	1/1	0.98	0.12	55,55,55,55	0
55	MG	1D	305	1/1	0.98	0.08	42,42,42,42	0
55	MG	2A	3339	1/1	0.98	0.05	34,34,34,34	0
55	MG	1A	3193	1/1	0.98	0.33	20,20,20,20	0
55	MG	1A	3420	1/1	0.98	0.03	48,48,48,48	0
55	MG	1A	3868	1/1	0.98	0.04	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3037	1/1	0.98	0.23	30,30,30,30	0
55	MG	2A	3348	1/1	0.98	0.07	56,56,56,56	0
55	MG	1A	3368	1/1	0.98	0.05	13,13,13,13	0
55	MG	1A	3431	1/1	0.98	0.05	14,14,14,14	0
55	MG	2A	3790	1/1	0.98	0.13	52,52,52,52	0
55	MG	2A	3353	1/1	0.98	0.05	24,24,24,24	0
55	MG	2A	3354	1/1	0.98	0.05	39,39,39,39	0
55	MG	1A	3555	1/1	0.98	0.04	27,27,27,27	0
55	MG	2A	3361	1/1	0.98	0.05	26,26,26,26	0
55	MG	2A	3362	1/1	0.98	0.04	32,32,32,32	0
55	MG	1A	3732	1/1	0.98	0.03	91,91,91,91	0
55	MG	1A	3303	1/1	0.98	0.06	27,27,27,27	0
55	MG	2A	3576	1/1	0.98	0.08	25,25,25,25	0
55	MG	2Q	202	1/1	0.98	0.10	34,34,34,34	0
55	MG	2A	3366	1/1	0.98	0.07	25,25,25,25	0
55	MG	1A	3436	1/1	0.98	0.07	11,11,11,11	0
55	MG	2A	3579	1/1	0.98	0.03	37,37,37,37	0
55	MG	1A	3304	1/1	0.98	0.04	34,34,34,34	0
55	MG	2A	3050	1/1	0.98	0.35	48,48,48,48	0
55	MG	2a	1794	1/1	0.98	0.04	92,92,92,92	0
55	MG	2A	3582	1/1	0.98	0.06	29,29,29,29	0
55	MG	1A	3641	1/1	0.98	0.14	36,36,36,36	0
55	MG	1A	3496	1/1	0.98	0.06	40,40,40,40	0
55	MG	2a	1798	1/1	0.98	0.07	46,46,46,46	0
55	MG	1A	3560	1/1	0.98	0.11	34,34,34,34	0
55	MG	2A	3817	1/1	0.98	0.08	66,66,66,66	0
55	MG	2A	3377	1/1	0.98	0.04	36,36,36,36	0
55	MG	1A	3881	1/1	0.98	0.04	57,57,57,57	0
55	MG	2A	3820	1/1	0.98	0.04	36,36,36,36	0
55	MG	2A	3823	1/1	0.98	0.07	60,60,60,60	0
55	MG	1A	3644	1/1	0.98	0.07	30,30,30,30	0
55	MG	2A	3825	1/1	0.98	0.08	67,67,67,67	0
55	MG	1a	1780	1/1	0.98	0.06	45,45,45,45	0
55	MG	1A	3374	1/1	0.98	0.05	21,21,21,21	0
55	MG	1A	3441	1/1	0.98	0.04	16,16,16,16	0
55	MG	2a	1812	1/1	0.98	0.06	69,69,69,69	0
55	MG	2a	1813	1/1	0.98	0.05	72,72,72,72	0
55	MG	2A	3830	1/1	0.98	0.11	71,71,71,71	0
55	MG	2a	1815	1/1	0.98	0.06	75,75,75,75	0
55	MG	1A	3180	1/1	0.98	0.12	24,24,24,24	0
55	MG	1A	3886	1/1	0.98	0.08	38,38,38,38	0
55	MG	1A	3500	1/1	0.98	0.09	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3443	1/1	0.98	0.06	45,45,45,45	0
55	MG	1A	3212	1/1	0.98	0.23	21,21,21,21	0
55	MG	2a	1823	1/1	0.98	0.05	94,94,94,94	0
55	MG	2A	3390	1/1	0.98	0.10	41,41,41,41	0
55	MG	20	103	1/1	0.98	0.06	64,64,64,64	0
55	MG	2A	3839	1/1	0.98	0.04	28,28,28,28	0
55	MG	1A	3651	1/1	0.98	0.05	37,37,37,37	0
55	MG	1A	3312	1/1	0.98	0.08	36,36,36,36	0
55	MG	2A	3843	1/1	0.98	0.09	38,38,38,38	0
55	MG	1A	3892	1/1	0.98	0.08	27,27,27,27	0
55	MG	2a	1831	1/1	0.98	0.10	67,67,67,67	0
55	MG	2A	3846	1/1	0.98	0.09	56,56,56,56	0
55	MG	1F	313	1/1	0.98	0.03	4,4,4,4	0
55	MG	1A	3893	1/1	0.98	0.09	53,53,53,53	0
55	MG	1A	3504	1/1	0.98	0.04	32,32,32,32	0
55	MG	2A	3851	1/1	0.98	0.11	66,66,66,66	0
55	MG	2A	3607	1/1	0.98	0.10	74,74,74,74	0
55	MG	28	102	1/1	0.98	0.07	60,60,60,60	0
55	MG	1A	3379	1/1	0.98	0.06	13,13,13,13	0
55	MG	1A	3097	1/1	0.98	0.35	23,23,23,23	0
55	MG	2A	3399	1/1	0.98	0.03	38,38,38,38	0
55	MG	2A	3401	1/1	0.98	0.04	36,36,36,36	0
55	MG	2A	3208	1/1	0.98	0.06	38,38,38,38	0
55	MG	1A	3577	1/1	0.98	0.05	20,20,20,20	0
55	MG	1A	3901	1/1	0.98	0.07	29,29,29,29	0
55	MG	2A	3074	1/1	0.98	0.07	46,46,46,46	0
55	MG	1A	3578	1/1	0.98	0.14	26,26,26,26	0
55	MG	2A	3863	1/1	0.98	0.09	61,61,61,61	0
55	MG	1A	3381	1/1	0.98	0.07	19,19,19,19	0
55	MG	2A	3077	1/1	0.98	0.17	47,47,47,47	0
55	MG	2A	3215	1/1	0.98	0.16	38,38,38,38	0
55	MG	2A	3078	1/1	0.98	0.10	44,44,44,44	0
55	MG	2A	3217	1/1	0.98	0.10	32,32,32,32	0
55	MG	2A	3869	1/1	0.98	0.07	50,50,50,50	0
55	MG	2A	3079	1/1	0.98	0.18	41,41,41,41	0
55	MG	1A	3130	1/1	0.98	0.05	14,14,14,14	0
55	MG	2A	3416	1/1	0.98	0.04	21,21,21,21	0
55	MG	1A	3383	1/1	0.98	0.07	13,13,13,13	0
55	MG	2A	3418	1/1	0.98	0.04	60,60,60,60	0
55	MG	1A	3317	1/1	0.98	0.06	13,13,13,13	0
56	ZN	2n	101	1/1	0.98	0.04	96,96,96,96	0
55	MG	1A	3356	1/1	0.99	0.04	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3460	1/1	0.99	0.04	25,25,25,25	0
55	MG	1A	3472	1/1	0.99	0.08	28,28,28,28	0
55	MG	1A	3608	1/1	0.99	0.04	49,49,49,49	0
55	MG	1A	3263	1/1	0.99	0.05	35,35,35,35	0
55	MG	2A	3464	1/1	0.99	0.03	37,37,37,37	0
55	MG	1A	3790	1/1	0.99	0.07	36,36,36,36	0
55	MG	2A	3887	1/1	0.99	0.03	76,76,76,76	0
55	MG	1a	1839	1/1	0.99	0.03	56,56,56,56	0
55	MG	1A	3688	1/1	0.99	0.03	23,23,23,23	0
55	MG	1A	3792	1/1	0.99	0.09	25,25,25,25	0
55	MG	2A	3470	1/1	0.99	0.04	26,26,26,26	0
55	MG	1A	3919	1/1	0.99	0.08	9,9,9,9	0
55	MG	1A	3358	1/1	0.99	0.04	33,33,33,33	0
55	MG	1V	203	1/1	0.99	0.07	29,29,29,29	0
55	MG	1a	1698	1/1	0.99	0.03	37,37,37,37	0
55	MG	1a	1699	1/1	0.99	0.04	33,33,33,33	0
55	MG	1A	3315	1/1	0.99	0.03	10,10,10,10	0
55	MG	2A	3898	1/1	0.99	0.03	24,24,24,24	0
55	MG	1W	3002	1/1	0.99	0.10	27,27,27,27	0
55	MG	1A	3922	1/1	0.99	0.15	31,31,31,31	0
55	MG	2A	3285	1/1	0.99	0.04	27,27,27,27	0
55	MG	2A	3480	1/1	0.99	0.04	39,39,39,39	0
55	MG	1A	3795	1/1	0.99	0.03	27,27,27,27	0
55	MG	2A	3287	1/1	0.99	0.03	24,24,24,24	0
55	MG	2A	3288	1/1	0.99	0.05	24,24,24,24	0
55	MG	1A	3205	1/1	0.99	0.04	14,14,14,14	0
55	MG	1A	3540	1/1	0.99	0.06	32,32,32,32	0
55	MG	1A	3614	1/1	0.99	0.10	32,32,32,32	0
55	MG	1A	3410	1/1	0.99	0.04	8,8,8,8	0
55	MG	1A	3542	1/1	0.99	0.04	49,49,49,49	0
55	MG	1A	3318	1/1	0.99	0.06	9,9,9,9	0
55	MG	1A	3931	1/1	0.99	0.04	32,32,32,32	0
55	MG	1A	3412	1/1	0.99	0.03	50,50,50,50	0
55	MG	1A	3803	1/1	0.99	0.10	46,46,46,46	0
55	MG	1a	1714	1/1	0.99	0.04	49,49,49,49	0
55	MG	1A	3248	1/1	0.99	0.23	39,39,39,39	0
55	MG	1A	3806	1/1	0.99	0.03	37,37,37,37	0
55	MG	1A	3620	1/1	0.99	0.09	58,58,58,58	0
55	MG	2A	3305	1/1	0.99	0.02	31,31,31,31	0
55	MG	1a	1718	1/1	0.99	0.04	48,48,48,48	0
55	MG	2A	3693	1/1	0.99	0.03	37,37,37,37	0
55	MG	1l	104	1/1	0.99	0.10	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3811	1/1	0.99	0.02	13,13,13,13	0
55	MG	1A	3701	1/1	0.99	0.07	33,33,33,33	0
55	MG	1a	1722	1/1	0.99	0.05	63,63,63,63	0
55	MG	2A	3698	1/1	0.99	0.06	44,44,44,44	0
55	MG	1A	3813	1/1	0.99	0.14	26,26,26,26	0
55	MG	2A	3313	1/1	0.99	0.04	36,36,36,36	0
55	MG	2A	3314	1/1	0.99	0.03	31,31,31,31	0
55	MG	1A	3121	1/1	0.99	0.06	21,21,21,21	0
55	MG	1A	3483	1/1	0.99	0.08	62,62,62,62	0
55	MG	1a	1726	1/1	0.99	0.03	68,68,68,68	0
55	MG	2A	3934	1/1	0.99	0.03	45,45,45,45	0
55	MG	1A	3365	1/1	0.99	0.03	33,33,33,33	0
55	MG	1A	3366	1/1	0.99	0.05	27,27,27,27	0
55	MG	1A	3707	1/1	0.99	0.06	33,33,33,33	0
55	MG	1A	3820	1/1	0.99	0.07	53,53,53,53	0
55	MG	1A	3367	1/1	0.99	0.04	24,24,24,24	0
55	MG	2A	3940	1/1	0.99	0.04	48,48,48,48	0
55	MG	1A	3418	1/1	0.99	0.06	53,53,53,53	0
55	MG	2A	3711	1/1	0.99	0.03	51,51,51,51	0
55	MG	18	3303	1/1	0.99	0.06	56,56,56,56	0
55	MG	2A	3516	1/1	0.99	0.06	65,65,65,65	0
55	MG	2A	3715	1/1	0.99	0.07	37,37,37,37	0
55	MG	2A	3716	1/1	0.99	0.04	27,27,27,27	0
55	MG	1A	3825	1/1	0.99	0.07	18,18,18,18	0
55	MG	1A	3826	1/1	0.99	0.13	60,60,60,60	0
55	MG	1A	3827	1/1	0.99	0.10	57,57,57,57	0
55	MG	1A	3711	1/1	0.99	0.05	21,21,21,21	0
55	MG	1A	3713	1/1	0.99	0.03	22,22,22,22	0
55	MG	1A	3321	1/1	0.99	0.05	17,17,17,17	0
55	MG	2a	1696	1/1	0.99	0.04	38,38,38,38	0
55	MG	1A	3369	1/1	0.99	0.03	12,12,12,12	0
55	MG	2A	3024	1/1	0.99	0.03	31,31,31,31	0
55	MG	1A	3554	1/1	0.99	0.04	56,56,56,56	0
55	MG	1A	3833	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3834	1/1	0.99	0.08	60,60,60,60	0
55	MG	2A	3337	1/1	0.99	0.03	22,22,22,22	0
55	MG	2A	3529	1/1	0.99	0.06	21,21,21,21	0
55	MG	1A	3835	1/1	0.99	0.04	14,14,14,14	0
55	MG	1A	3836	1/1	0.99	0.04	27,27,27,27	0
55	MG	1A	3837	1/1	0.99	0.04	9,9,9,9	0
55	MG	2a	1707	1/1	0.99	0.04	51,51,51,51	0
55	MG	1A	3630	1/1	0.99	0.08	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3839	1/1	0.99	0.04	11,11,11,11	0
55	MG	2A	3344	1/1	0.99	0.04	49,49,49,49	0
55	MG	2a	1711	1/1	0.99	0.02	62,62,62,62	0
55	MG	2a	1712	1/1	0.99	0.12	59,59,59,59	0
55	MG	2A	3736	1/1	0.99	0.06	52,52,52,52	0
55	MG	2A	3346	1/1	0.99	0.03	35,35,35,35	0
55	MG	1A	3066	1/1	0.99	0.10	23,23,23,23	0
55	MG	1A	3842	1/1	0.99	0.13	39,39,39,39	0
55	MG	1A	3371	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3844	1/1	0.99	0.07	53,53,53,53	0
55	MG	2A	3352	1/1	0.99	0.06	48,48,48,48	0
55	MG	1A	3633	1/1	0.99	0.06	40,40,40,40	0
55	MG	1B	213	1/1	0.99	0.04	21,21,21,21	0
55	MG	2A	3356	1/1	0.99	0.03	29,29,29,29	0
55	MG	2A	3358	1/1	0.99	0.03	23,23,23,23	0
55	MG	1A	3721	1/1	0.99	0.07	18,18,18,18	0
55	MG	1A	3423	1/1	0.99	0.04	9,9,9,9	0
55	MG	1A	3424	1/1	0.99	0.02	45,45,45,45	0
55	MG	2A	3190	1/1	0.99	0.13	35,35,35,35	0
55	MG	2A	3364	1/1	0.99	0.06	37,37,37,37	0
55	MG	2A	3752	1/1	0.99	0.03	31,31,31,31	0
55	MG	2B	3013	1/1	0.99	0.05	66,66,66,66	0
55	MG	1A	3849	1/1	0.99	0.07	39,39,39,39	0
55	MG	1A	3850	1/1	0.99	0.07	43,43,43,43	0
55	MG	1B	220	1/1	0.99	0.04	29,29,29,29	0
55	MG	2A	3045	1/1	0.99	0.03	28,28,28,28	0
55	MG	1A	3425	1/1	0.99	0.04	10,10,10,10	0
55	MG	2B	3019	1/1	0.99	0.04	63,63,63,63	0
55	MG	2A	3371	1/1	0.99	0.04	45,45,45,45	0
55	MG	2A	3558	1/1	0.99	0.09	15,15,15,15	0
55	MG	1a	1762	1/1	0.99	0.05	54,54,54,54	0
55	MG	2A	3373	1/1	0.99	0.03	27,27,27,27	0
55	MG	1B	222	1/1	0.99	0.08	35,35,35,35	0
55	MG	1A	3426	1/1	0.99	0.06	15,15,15,15	0
55	MG	1A	3430	1/1	0.99	0.06	29,29,29,29	0
55	MG	2A	3766	1/1	0.99	0.03	74,74,74,74	0
55	MG	2A	3767	1/1	0.99	0.02	52,52,52,52	0
55	MG	1A	3296	1/1	0.99	0.04	36,36,36,36	0
55	MG	2A	3379	1/1	0.99	0.05	15,15,15,15	0
55	MG	1a	1767	1/1	0.99	0.04	78,78,78,78	0
55	MG	2A	3771	1/1	0.99	0.12	46,46,46,46	0
55	MG	1A	3433	1/1	0.99	0.03	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3373	1/1	0.99	0.03	7,7,7,7	0
55	MG	1A	3435	1/1	0.99	0.04	47,47,47,47	0
55	MG	2A	3384	1/1	0.99	0.03	35,35,35,35	0
55	MG	1A	3157	1/1	0.99	0.07	21,21,21,21	0
55	MG	2A	3778	1/1	0.99	0.07	63,63,63,63	0
55	MG	1D	302	1/1	0.99	0.07	22,22,22,22	0
55	MG	1A	3859	1/1	0.99	0.05	35,35,35,35	0
55	MG	2A	3574	1/1	0.99	0.04	47,47,47,47	0
55	MG	1A	3567	1/1	0.99	0.04	12,12,12,12	0
55	MG	1A	3568	1/1	0.99	0.04	19,19,19,19	0
55	MG	1A	3734	1/1	0.99	0.03	26,26,26,26	0
55	MG	1A	3437	1/1	0.99	0.03	9,9,9,9	0
55	MG	1D	308	1/1	0.99	0.07	27,27,27,27	0
55	MG	2A	3787	1/1	0.99	0.05	20,20,20,20	0
55	MG	1A	3280	1/1	0.99	0.06	13,13,13,13	0
55	MG	1A	3737	1/1	0.99	0.08	53,53,53,53	0
55	MG	2A	3583	1/1	0.99	0.06	50,50,50,50	0
55	MG	1A	3738	1/1	0.99	0.05	19,19,19,19	0
55	MG	2A	3792	1/1	0.99	0.04	51,51,51,51	0
55	MG	1A	3572	1/1	0.99	0.06	34,34,34,34	0
55	MG	2a	1772	1/1	0.99	0.03	57,57,57,57	0
55	MG	2A	3794	1/1	0.99	0.05	46,46,46,46	0
55	MG	1A	3299	1/1	0.99	0.03	28,28,28,28	0
55	MG	1A	3741	1/1	0.99	0.16	29,29,29,29	0
55	MG	2A	3797	1/1	0.99	0.03	36,36,36,36	0
55	MG	2A	3588	1/1	0.99	0.04	24,24,24,24	0
55	MG	1A	3440	1/1	0.99	0.06	26,26,26,26	0
55	MG	2A	3400	1/1	0.99	0.03	29,29,29,29	0
55	MG	1a	1786	1/1	0.99	0.02	69,69,69,69	0
55	MG	1A	3327	1/1	0.99	0.08	23,23,23,23	0
55	MG	1A	3300	1/1	0.99	0.03	21,21,21,21	0
55	MG	1A	3129	1/1	0.99	0.12	17,17,17,17	0
55	MG	2A	3805	1/1	0.99	0.08	73,73,73,73	0
55	MG	1A	3874	1/1	0.99	0.07	27,27,27,27	0
55	MG	2A	3807	1/1	0.99	0.07	55,55,55,55	0
55	MG	1A	3746	1/1	0.99	0.08	48,48,48,48	0
55	MG	2A	3809	1/1	0.99	0.03	35,35,35,35	0
55	MG	2A	3597	1/1	0.99	0.11	52,52,52,52	0
55	MG	2A	3813	1/1	0.99	0.04	21,21,21,21	0
55	MG	2A	3407	1/1	0.99	0.03	32,32,32,32	0
55	MG	1A	3282	1/1	0.99	0.03	18,18,18,18	0
55	MG	1A	3510	1/1	0.99	0.03	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3283	1/1	0.99	0.05	9,9,9,9	0
55	MG	2R	203	1/1	0.99	0.04	16,16,16,16	0
55	MG	1A	3260	1/1	0.99	0.04	10,10,10,10	0
55	MG	1A	3447	1/1	0.99	0.06	29,29,29,29	0
55	MG	1A	3384	1/1	0.99	0.04	46,46,46,46	0
55	MG	2A	3822	1/1	0.99	0.04	53,53,53,53	0
55	MG	1A	3261	1/1	0.99	0.05	20,20,20,20	0
55	MG	1A	3516	1/1	0.99	0.03	19,19,19,19	0
55	MG	1A	3308	1/1	0.99	0.04	17,17,17,17	0
55	MG	2A	3826	1/1	0.99	0.04	43,43,43,43	0
55	MG	1A	3757	1/1	0.99	0.09	9,9,9,9	0
55	MG	1A	3310	1/1	0.99	0.03	17,17,17,17	0
55	MG	1A	3286	1/1	0.99	0.05	17,17,17,17	0
55	MG	2a	1807	1/1	0.99	0.04	55,55,55,55	0
55	MG	1A	3338	1/1	0.99	0.03	17,17,17,17	0
55	MG	2A	3422	1/1	0.99	0.05	60,60,60,60	0
55	MG	1A	3339	1/1	0.99	0.03	13,13,13,13	0
55	MG	2a	1811	1/1	0.99	0.07	60,60,60,60	0
55	MG	2A	3614	1/1	0.99	0.06	62,62,62,62	0
55	MG	1A	3340	1/1	0.99	0.05	20,20,20,20	0
55	MG	2A	3835	1/1	0.99	0.03	41,41,41,41	0
55	MG	2A	3836	1/1	0.99	0.06	79,79,79,79	0
55	MG	1A	3764	1/1	0.99	0.03	45,45,45,45	0
55	MG	1a	1808	1/1	0.99	0.12	67,67,67,67	0
55	MG	2a	1818	1/1	0.99	0.06	45,45,45,45	0
55	MG	1A	3765	1/1	0.99	0.06	38,38,38,38	0
55	MG	1A	3594	1/1	0.99	0.09	16,16,16,16	0
55	MG	2a	1821	1/1	0.99	0.03	46,46,46,46	0
55	MG	2A	3841	1/1	0.99	0.04	25,25,25,25	0
55	MG	1A	3767	1/1	0.99	0.04	42,42,42,42	0
55	MG	1a	1812	1/1	0.99	0.03	50,50,50,50	0
55	MG	2l	8001	1/1	0.99	0.03	51,51,51,51	0
55	MG	2A	3844	1/1	0.99	0.13	65,65,65,65	0
55	MG	2A	3431	1/1	0.99	0.07	20,20,20,20	0
55	MG	1A	3076	1/1	0.99	0.07	17,17,17,17	0
55	MG	2A	3847	1/1	0.99	0.12	52,52,52,52	0
55	MG	2A	3433	1/1	0.99	0.06	33,33,33,33	0
55	MG	2A	3625	1/1	0.99	0.11	66,66,66,66	0
55	MG	1A	3770	1/1	0.99	0.06	45,45,45,45	0
55	MG	2a	1833	1/1	0.99	0.04	71,71,71,71	0
55	MG	2A	3435	1/1	0.99	0.04	42,42,42,42	0
55	MG	2A	3436	1/1	0.99	0.03	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3343	1/1	0.99	0.04	12,12,12,12	0
55	MG	2A	3438	1/1	0.99	0.07	38,38,38,38	0
55	MG	2A	3855	1/1	0.99	0.03	64,64,64,64	0
55	MG	1a	1816	1/1	0.99	0.09	51,51,51,51	0
55	MG	1a	1817	1/1	0.99	0.03	65,65,65,65	0
55	MG	2A	3633	1/1	0.99	0.10	17,17,17,17	0
55	MG	1A	3773	1/1	0.99	0.10	20,20,20,20	0
55	MG	2A	3635	1/1	0.99	0.03	54,54,54,54	0
55	MG	1A	3394	1/1	0.99	0.02	18,18,18,18	0
55	MG	2A	3443	1/1	0.99	0.05	25,25,25,25	0
55	MG	2A	3638	1/1	0.99	0.03	51,51,51,51	0
55	MG	1A	3344	1/1	0.99	0.03	21,21,21,21	0
55	MG	1a	1821	1/1	0.99	0.04	70,70,70,70	0
55	MG	2A	3446	1/1	0.99	0.04	22,22,22,22	0
55	MG	1A	3347	1/1	0.99	0.05	13,13,13,13	0
55	MG	1Q	201	1/1	0.99	0.03	27,27,27,27	0
55	MG	1a	1824	1/1	0.99	0.05	42,42,42,42	0
55	MG	1A	3273	1/1	0.99	0.07	21,21,21,21	0
55	MG	1A	3678	1/1	0.99	0.03	32,32,32,32	0
55	MG	1a	1827	1/1	0.99	0.03	49,49,49,49	0
55	MG	1A	3349	1/1	0.99	0.04	31,31,31,31	0
55	MG	1A	3350	1/1	0.99	0.04	14,14,14,14	0
55	MG	1A	3400	1/1	0.99	0.07	35,35,35,35	0
55	MG	1A	3353	1/1	0.99	0.03	13,13,13,13	0
55	MG	2A	3877	1/1	0.99	0.04	26,26,26,26	0
56	ZN	14	501	1/1	0.99	0.06	138,138,138,138	0
56	ZN	19	103	1/1	0.99	0.03	40,40,40,40	0
56	ZN	1n	501	1/1	0.99	0.03	75,75,75,75	0
56	ZN	2Y	202	1/1	0.99	0.03	80,80,80,80	0
55	MG	1A	3404	1/1	0.99	0.05	38,38,38,38	0
56	ZN	26	101	1/1	0.99	0.02	57,57,57,57	0
56	ZN	29	103	1/1	0.99	0.03	66,66,66,66	0
55	MG	1a	1687	1/1	0.99	0.10	31,31,31,31	0
57	SF4	1d	302	8/8	0.99	0.03	46,61,71,75	0
57	SF4	2d	501	8/8	0.99	0.04	54,68,91,93	0
55	MG	1A	3354	1/1	1.00	0.02	12,12,12,12	0
55	MG	1E	301	1/1	1.00	0.06	9,9,9,9	0
55	MG	2A	3345	1/1	1.00	0.03	21,21,21,21	0
55	MG	1A	3708	1/1	1.00	0.06	32,32,32,32	0
55	MG	1E	303	1/1	1.00	0.04	11,11,11,11	0
55	MG	1A	3788	1/1	1.00	0.10	25,25,25,25	0
55	MG	1A	3355	1/1	1.00	0.04	10,10,10,10	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3674	1/1	1.00	0.06	27,27,27,27	0
55	MG	2A	3351	1/1	1.00	0.07	22,22,22,22	0
55	MG	1A	3841	1/1	1.00	0.07	20,20,20,20	0
55	MG	1A	3342	1/1	1.00	0.02	30,30,30,30	0
55	MG	1a	1710	1/1	1.00	0.02	38,38,38,38	0
55	MG	2A	3355	1/1	1.00	0.02	54,54,54,54	0
55	MG	1A	3894	1/1	1.00	0.03	13,13,13,13	0
55	MG	2A	3357	1/1	1.00	0.05	23,23,23,23	0
55	MG	1A	3895	1/1	1.00	0.03	21,21,21,21	0
55	MG	1A	3712	1/1	1.00	0.03	11,11,11,11	0
55	MG	2A	3360	1/1	1.00	0.02	26,26,26,26	0
55	MG	2E	304	1/1	1.00	0.01	16,16,16,16	0
55	MG	1A	3750	1/1	1.00	0.05	14,14,14,14	0
55	MG	1A	3898	1/1	1.00	0.09	58,58,58,58	0
55	MG	1A	3316	1/1	1.00	0.03	36,36,36,36	0
55	MG	2A	3760	1/1	1.00	0.04	31,31,31,31	0
55	MG	1A	3473	1/1	1.00	0.04	20,20,20,20	0
55	MG	2a	1715	1/1	1.00	0.03	44,44,44,44	0
55	MG	2A	3291	1/1	1.00	0.02	29,29,29,29	0
55	MG	1A	3306	1/1	1.00	0.05	31,31,31,31	0
55	MG	1A	3345	1/1	1.00	0.01	4,4,4,4	0
55	MG	1A	3427	1/1	1.00	0.04	16,16,16,16	0
55	MG	2A	3369	1/1	1.00	0.02	28,28,28,28	0
55	MG	1A	3428	1/1	1.00	0.02	12,12,12,12	0
55	MG	1A	3429	1/1	1.00	0.05	18,18,18,18	0
55	MG	1A	3758	1/1	1.00	0.06	17,17,17,17	0
55	MG	1A	3346	1/1	1.00	0.03	12,12,12,12	0
55	MG	1A	3307	1/1	1.00	0.03	12,12,12,12	0
55	MG	2A	3375	1/1	1.00	0.02	21,21,21,21	0
55	MG	2A	3946	1/1	1.00	0.02	24,24,24,24	0
55	MG	2A	3300	1/1	1.00	0.02	31,31,31,31	0
55	MG	2A	3301	1/1	1.00	0.03	52,52,52,52	0
55	MG	2A	3775	1/1	1.00	0.02	35,35,35,35	0
55	MG	1A	3454	1/1	1.00	0.03	9,9,9,9	0
55	MG	1A	3805	1/1	1.00	0.04	34,34,34,34	0
55	MG	1A	3432	1/1	1.00	0.08	8,8,8,8	0
55	MG	1A	3807	1/1	1.00	0.02	20,20,20,20	0
55	MG	1A	3808	1/1	1.00	0.03	14,14,14,14	0
55	MG	1P	201	1/1	1.00	0.01	23,23,23,23	0
55	MG	1B	214	1/1	1.00	0.02	31,31,31,31	0
55	MG	1A	3331	1/1	1.00	0.02	10,10,10,10	0
55	MG	1A	3810	1/1	1.00	0.07	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	1A	3378	1/1	1.00	0.03	17,17,17,17	0
55	MG	2A	3465	1/1	1.00	0.04	32,32,32,32	0
55	MG	2A	3312	1/1	1.00	0.02	23,23,23,23	0
55	MG	1A	3689	1/1	1.00	0.02	20,20,20,20	0
55	MG	1A	3458	1/1	1.00	0.01	14,14,14,14	0
55	MG	2A	3547	1/1	1.00	0.05	50,50,50,50	0
55	MG	2A	3315	1/1	1.00	0.05	25,25,25,25	0
55	MG	1A	3363	1/1	1.00	0.03	19,19,19,19	0
55	MG	1A	3289	1/1	1.00	0.03	24,24,24,24	0
55	MG	1A	3769	1/1	1.00	0.07	30,30,30,30	0
55	MG	2A	3712	1/1	1.00	0.07	44,44,44,44	0
55	MG	1A	3659	1/1	1.00	0.02	6,6,6,6	0
55	MG	1A	3771	1/1	1.00	0.04	20,20,20,20	0
55	MG	1A	3819	1/1	1.00	0.04	23,23,23,23	0
55	MG	1A	3569	1/1	1.00	0.02	17,17,17,17	0
55	MG	1A	3926	1/1	1.00	0.08	52,52,52,52	0
55	MG	1A	3821	1/1	1.00	0.04	33,33,33,33	0
55	MG	1A	3309	1/1	1.00	0.02	7,7,7,7	0
55	MG	1A	3662	1/1	1.00	0.06	36,36,36,36	0
55	MG	2A	3196	1/1	1.00	0.03	29,29,29,29	0
55	MG	1A	3824	1/1	1.00	0.06	23,23,23,23	0
55	MG	1A	3351	1/1	1.00	0.04	11,11,11,11	0
55	MG	1A	3463	1/1	1.00	0.03	13,13,13,13	0
55	MG	1A	3933	1/1	1.00	0.02	17,17,17,17	0
55	MG	2A	3408	1/1	1.00	0.02	29,29,29,29	0
55	MG	2A	3810	1/1	1.00	0.02	27,27,27,27	0
55	MG	1A	3573	1/1	1.00	0.06	10,10,10,10	0
55	MG	2A	3812	1/1	1.00	0.02	53,53,53,53	0
55	MG	2A	3899	1/1	1.00	0.03	29,29,29,29	0
55	MG	1A	3352	1/1	1.00	0.01	11,11,11,11	0
55	MG	1A	3465	1/1	1.00	0.07	48,48,48,48	0
56	ZN	1Y	501	1/1	1.00	0.01	43,43,43,43	0
55	MG	1A	3576	1/1	1.00	0.03	13,13,13,13	0
56	ZN	15	104	1/1	1.00	0.03	37,37,37,37	0
56	ZN	16	101	1/1	1.00	0.02	34,34,34,34	0
55	MG	1A	3703	1/1	1.00	0.06	17,17,17,17	0
55	MG	1A	3295	1/1	1.00	0.02	18,18,18,18	0
55	MG	1A	3401	1/1	1.00	0.01	21,21,21,21	0
55	MG	1A	3402	1/1	1.00	0.02	12,12,12,12	0
56	ZN	25	105	1/1	1.00	0.01	51,51,51,51	0
55	MG	2A	3340	1/1	1.00	0.02	39,39,39,39	0
55	MG	2A	3821	1/1	1.00	0.03	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	2A	3575	1/1	1.00	0.04	29,29,29,29	0
55	MG	1A	3942	1/1	1.00	0.06	10,10,10,10	0
55	MG	1A	3785	1/1	1.00	0.03	8,8,8,8	0

6.5 Other polymers [i](#)

There are no such residues in this entry.