



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 6, 2026 – 03:34 PM UTC

PDB ID : 8WV1 / pdb_00008wv1
Title : Ambient Temperature Structure of 50S Ribosomal Subunit from *Thermus Thermophilus*
Authors : DeMirci, H.; Tosun, B.
Deposited on : 2023-10-22
Resolution : 3.99 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

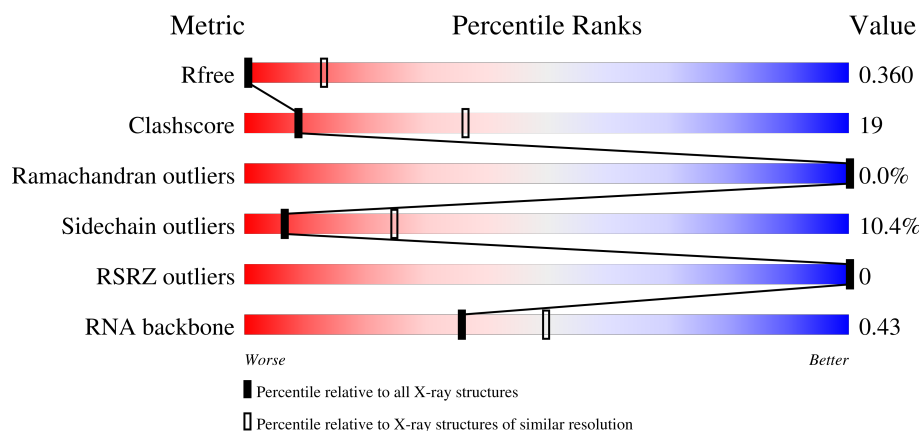
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

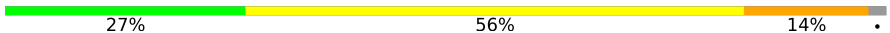
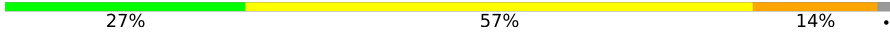
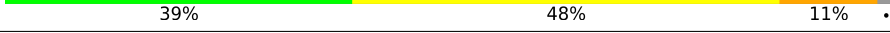
The reported resolution of this entry is 3.99 Å.

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.



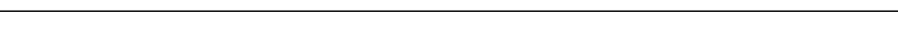
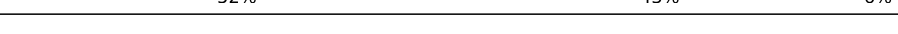
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1082 (4.20-3.80)
Clashscore	190562	1129 (4.20-3.80)
Ramachandran outliers	187476	1064 (4.20-3.80)
Sidechain outliers	187428	1055 (4.20-3.80)
RSRZ outliers	180081	1082 (4.20-3.80)
RNA backbone	3983	1017 (4.84-3.10)

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	A	2915	
1	a	2915	
2	B	122	
2	b	122	

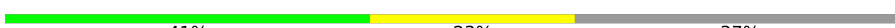
Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
3	C	276	
3	c	276	
4	D	206	
4	d	206	
5	E	210	
5	e	210	
6	F	182	
6	f	182	
7	G	180	
7	g	180	
8	H	148	
8	h	148	
9	I	140	
9	i	140	
10	J	122	
10	j	122	
11	K	150	
11	k	150	
12	L	141	
12	l	141	
13	M	118	
13	m	118	
14	N	112	
14	n	112	
15	O	146	

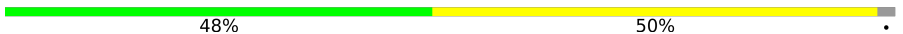
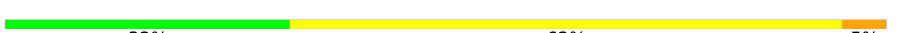
Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
15	o	146	
16	P	118	
16	p	118	
17	Q	101	
17	q	101	
18	R	113	
18	r	113	
19	S	96	
19	s	96	
20	T	107	
20	t	107	
21	U	206	
21	u	206	
22	V	78	
22	v	78	
23	W	98	
23	w	98	
24	X	72	
24	x	72	
25	Y	60	
25	y	60	
26	Z	71	
26	z	71	
27	0	60	
27	5	60	

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
28	13	54	
28	6	54	
29	2	49	
29	7	49	
30	3	65	
30	8	65	
31	4	37	
31	9	37	

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
1	PSU	A	1933	X	-	-	-
1	5MU	A	1937	X	-	-	-
1	PSU	A	1939	X	-	-	-
1	4OC	A	1942	X	-	-	-
1	5MU	A	1961	X	-	-	-
1	5MC	A	1964	X	-	-	-
1	5MC	A	1984	X	-	-	-
1	2MA	A	2515	X	-	-	-
1	2MU	A	2564	X	-	-	-
1	PSU	A	2617	X	-	-	-
1	PSU	a	1933	X	-	-	-
1	5MU	a	1937	X	-	-	-
1	PSU	a	1939	X	-	-	-
1	4OC	a	1942	X	-	-	-
1	5MU	a	1961	X	-	-	-
1	5MC	a	1964	X	-	-	-
1	5MC	a	1984	X	-	-	-
1	2MA	a	2515	X	-	-	-
1	2MU	a	2564	X	-	-	-
1	PSU	a	2617	X	-	-	-

2 Entry composition

There are 34 unique types of molecules in this entry. The entry contains 195873 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 rRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	2871	Total	C	N	O	P	0	0	0
			61845	27529	11569	19877	2870			
1	a	2871	Total	C	N	O	P	0	0	0
			61845	27529	11569	19877	2870			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	120	Total	C	N	O	P	0	0	0
			2572	1145	476	832	119			
2	b	120	Total	C	N	O	P	0	0	0
			2572	1145	476	832	119			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	c	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	D	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			
4	d	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	E	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	e	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	F	181	Total	C	N	O	S	0	0	0
			1426	916	253	253	4			
6	f	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	G	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
7	g	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			

- Molecule 8 is a protein called Large ribosomal subunit protein bL9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	H	73	Total	C	N	O	S	0	0	0
			555	351	101	102	1			
8	h	62	Total	C	N	O	S	0	0	0
			478	303	89	85	1			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
H	70	GLU	LYS	conflict	UNP P27151
h	70	GLU	LYS	conflict	UNP P27151

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	I	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			
9	i	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			

- Molecule 10 is a protein called Large ribosomal subunit protein uL14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	J	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			
10	j	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	K	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			
11	k	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	L	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
12	l	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	M	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
13	m	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	N	110	Total	C	N	O	0	0	0
			877	553	175	149			
14	n	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	O	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
15	o	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	P	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
16	p	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	Q	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			
17	q	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	R	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			
18	r	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	S	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
19	s	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 20 is a protein called Large ribosomal subunit protein uL24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	T	107	Total	C	N	O	S	0	0	0
			810	520	153	131	6			

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	t	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	U	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	u	200	Total	C	N	O	S	0	0	0
			1560	995	278	285	2			

- Molecule 22 is a protein called Large ribosomal subunit protein bL27.

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

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
V	11	ARG	LYS	conflict	UNP A0A1J1EPZ8
v	11	ARG	LYS	conflict	UNP A0A1J1EPZ8

- Molecule 23 is a protein called Large ribosomal subunit protein bL28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	W	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			
23	w	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			

- Molecule 24 is a protein called Large ribosomal subunit protein uL29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	X	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
24	x	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	Y	59	Total	C	N	O	0	0	0
			469	298	90	81			
25	y	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	Z	45	Total	C	N	O	S	0	0	0
			344	221	56	62	5			
26	z	50	Total	C	N	O	S	0	0	0
			385	248	63	69	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	0	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	5	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	13	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
28	6	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	2	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
29	7	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	3	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	8	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	4	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
31	9	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 32 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	A	1382	Total	Mg	0	0
			1382	1382		
32	B	37	Total	Mg	0	0
			37	37		
32	C	44	Total	Mg	0	0
			44	44		
32	D	8	Total	Mg	0	0
			8	8		
32	E	30	Total	Mg	0	0
			30	30		
32	F	5	Total	Mg	0	0
			5	5		
32	G	1	Total	Mg	0	0
			1	1		
32	H	8	Total	Mg	0	0
			8	8		
32	I	12	Total	Mg	0	0
			12	12		
32	J	9	Total	Mg	0	0
			9	9		
32	K	22	Total	Mg	0	0
			22	22		
32	L	9	Total	Mg	0	0
			9	9		
32	M	4	Total	Mg	0	0
			4	4		
32	O	10	Total	Mg	0	0
			10	10		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	P	7	Total 7	Mg 7	0	0
32	Q	10	Total 10	Mg 10	0	0
32	R	19	Total 19	Mg 19	0	0
32	S	9	Total 9	Mg 9	0	0
32	T	17	Total 17	Mg 17	0	0
32	U	11	Total 11	Mg 11	0	0
32	V	5	Total 5	Mg 5	0	0
32	W	15	Total 15	Mg 15	0	0
32	X	16	Total 16	Mg 16	0	0
32	Y	1	Total 1	Mg 1	0	0
32	0	7	Total 7	Mg 7	0	0
32	13	2	Total 2	Mg 2	0	0
32	2	11	Total 11	Mg 11	0	0
32	3	2	Total 2	Mg 2	0	0
32	a	1614	Total 1614	Mg 1614	0	0
32	b	21	Total 21	Mg 21	0	0
32	c	33	Total 33	Mg 33	0	0
32	d	25	Total 25	Mg 25	0	0
32	e	37	Total 37	Mg 37	0	0
32	f	4	Total 4	Mg 4	0	0
32	g	9	Total 9	Mg 9	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	h	18	Total 18	Mg 18	0	0
32	i	26	Total 26	Mg 26	0	0
32	j	21	Total 21	Mg 21	0	0
32	k	20	Total 20	Mg 20	0	0
32	l	16	Total 16	Mg 16	0	0
32	m	19	Total 19	Mg 19	0	0
32	n	7	Total 7	Mg 7	0	0
32	o	31	Total 31	Mg 31	0	0
32	p	16	Total 16	Mg 16	0	0
32	q	30	Total 30	Mg 30	0	0
32	r	28	Total 28	Mg 28	0	0
32	s	10	Total 10	Mg 10	0	0
32	t	4	Total 4	Mg 4	0	0
32	u	25	Total 25	Mg 25	0	0
32	v	11	Total 11	Mg 11	0	0
32	w	10	Total 10	Mg 10	0	0
32	x	11	Total 11	Mg 11	0	0
32	y	9	Total 9	Mg 9	0	0
32	z	4	Total 4	Mg 4	0	0
32	5	7	Total 7	Mg 7	0	0
32	6	6	Total 6	Mg 6	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	7	7	Total 7	Mg 7	0	0
32	8	12	Total 12	Mg 12	0	0
32	9	3	Total 3	Mg 3	0	0

- Molecule 33 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
33	T	1	Total 1	Zn 1	0	0
33	Z	1	Total 1	Zn 1	0	0
33	0	1	Total 1	Zn 1	0	0
33	13	1	Total 1	Zn 1	0	0
33	4	1	Total 1	Zn 1	0	0
33	t	1	Total 1	Zn 1	0	0
33	z	1	Total 1	Zn 1	0	0
33	5	1	Total 1	Zn 1	0	0
33	6	1	Total 1	Zn 1	0	0
33	9	1	Total 1	Zn 1	0	0

- Molecule 34 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
34	A	3514	Total 3514	O 3514	0	0
34	B	142	Total 142	O 142	0	0
34	C	84	Total 84	O 84	0	0
34	D	37	Total 37	O 37	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
34	E	62	Total 62	O 62	0	0
34	F	16	Total 16	O 16	0	0
34	H	2	Total 2	O 2	0	0
34	I	52	Total 52	O 52	0	0
34	J	16	Total 16	O 16	0	0
34	K	46	Total 46	O 46	0	0
34	L	20	Total 20	O 20	0	0
34	M	13	Total 13	O 13	0	0
34	O	20	Total 20	O 20	0	0
34	P	24	Total 24	O 24	0	0
34	Q	4	Total 4	O 4	0	0
34	R	43	Total 43	O 43	0	0
34	S	19	Total 19	O 19	0	0
34	T	28	Total 28	O 28	0	0
34	U	26	Total 26	O 26	0	0
34	V	24	Total 24	O 24	0	0
34	W	61	Total 61	O 61	0	0
34	X	28	Total 28	O 28	0	0
34	Y	8	Total 8	O 8	0	0
34	0	3	Total 3	O 3	0	0
34	13	13	Total 13	O 13	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
34	2	26	Total 26	O 26	0	0
34	3	3	Total 3	O 3	0	0
34	a	4732	Total 4732	O 4732	0	0
34	b	78	Total 78	O 78	0	0
34	c	74	Total 74	O 74	0	0
34	d	94	Total 94	O 94	0	0
34	e	81	Total 81	O 81	0	0
34	f	12	Total 12	O 12	0	0
34	g	6	Total 6	O 6	0	0
34	h	19	Total 19	O 19	0	0
34	i	49	Total 49	O 49	0	0
34	j	75	Total 75	O 75	0	0
34	k	30	Total 30	O 30	0	0
34	l	68	Total 68	O 68	0	0
34	m	38	Total 38	O 38	0	0
34	n	9	Total 9	O 9	0	0
34	o	79	Total 79	O 79	0	0
34	p	51	Total 51	O 51	0	0
34	q	40	Total 40	O 40	0	0
34	r	47	Total 47	O 47	0	0
34	s	32	Total 32	O 32	0	0

Continued on next page...

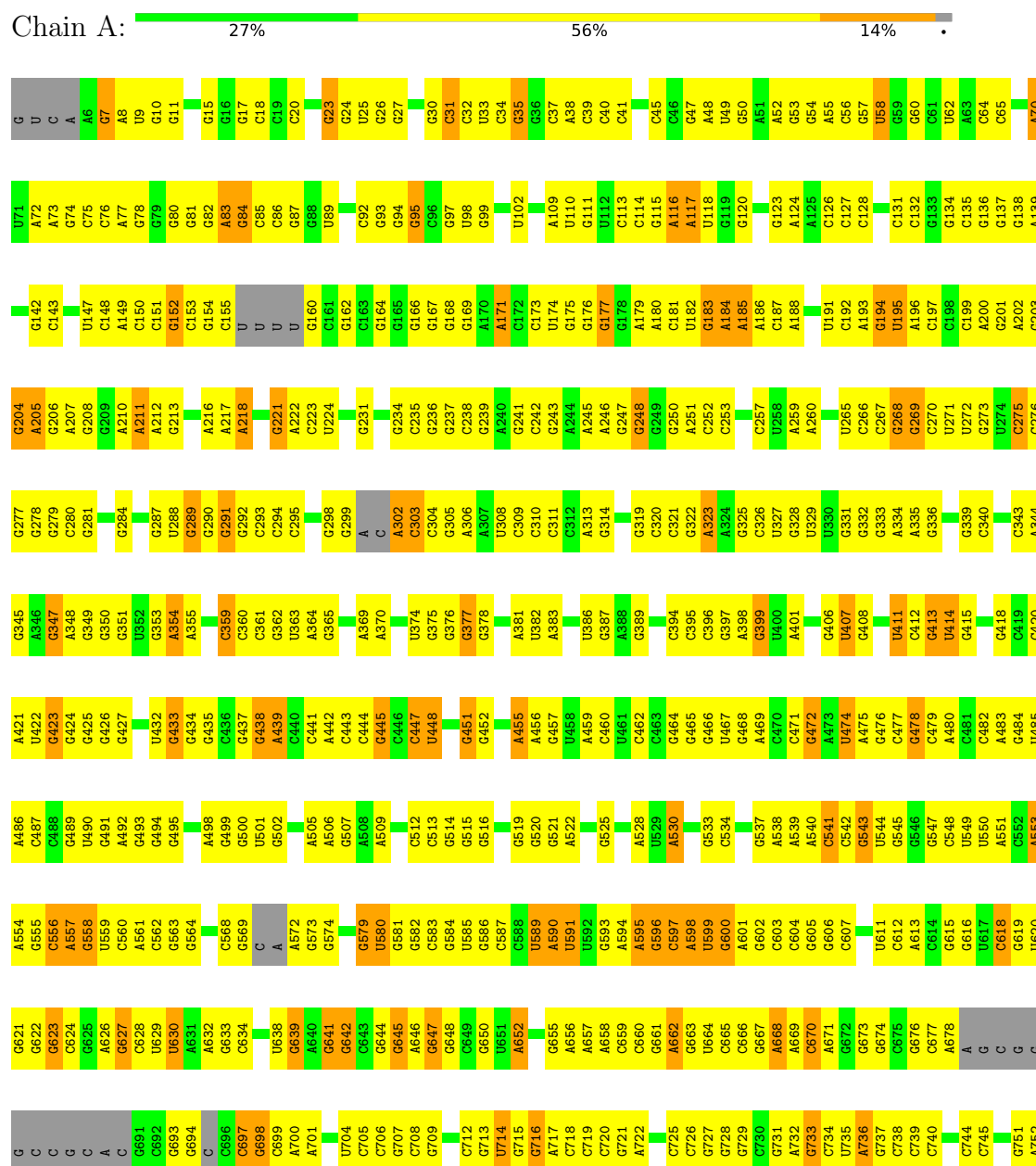
Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
34	t	22	Total 22	O 22	0	0
34	u	80	Total 80	O 80	0	0
34	v	46	Total 46	O 46	0	0
34	w	32	Total 32	O 32	0	0
34	x	43	Total 43	O 43	0	0
34	y	20	Total 20	O 20	0	0
34	5	10	Total 10	O 10	0	0
34	6	16	Total 16	O 16	0	0
34	7	11	Total 11	O 11	0	0
34	8	15	Total 15	O 15	0	0
34	9	10	Total 10	O 10	0	0

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 rRNA



A1736	A1680	C1594	C1514	G1446	U1375	A1311	G1238	C1169	G1102	G1035	A963	G895	A829	A753
A1737	G1685	C1595	C1515	G1447	C1376	G1312	G1241	C1170	A1103	A1036	A964	A896	A830	G754
C1738	G1686	C1596	G1517	C1448	A1377	U1313	C1241	C1171	G1104	A1036	G966	C897	A831	C755
U1739	G1670	C1597	G1517	C1449	A1378	A1314	U1244	A1172	G1105	G1039	G967	U898	G832	U756
U1740	G1670	A1601	A1518	C1450	G1379	C1315	G1245	A1173	U1107	C1040	G968	G899	C833	A763
G1743	U1675	G1602	G1520	U1451	G1380	C1316	G1246	A1174	U1106	C1041	U968	G900	U834	A763
G1744	G1676	C1603	C1521	U1452	U1381	G1317	C1247	A1175	G1108	A1042	C969	G901	A835	G764
A1745	G1677	C1604	G1525	C1453	A1382	A1318	G1248	U1176	G1109	U1046	G976	G902	A836	A765
G1746	A1678	A1605	G1526	C1454	G1383	U1319	C1249	U1177	C1110	A1047	G977	C903	G837	G766
A1747	G1679	G1606	G1526	C1455	G1385	A1321	U1250	U1179	U1111	G1048	G977	G906	G838	C767
A1748	G1680	G1607	G1529	C1457	G1389	A1322	A1255	G1182	A1113	G1049	C980	G906	A840	C768
G1749	C1683	A1608	G1529	C1458	G1390	G1323	U1256	G1181	G1114	C1050	C981	U907	G841	G772
G1750	A1684	A1609	G1533	G1459	G1390	A1324	U1257	G1183	A1115	C1051	U982	G909	C842	G773
G1751	G1685	G1610	G1533	U1460	C1391	G1325	G1257	G1184	A1116	C1052	G983	A910	C843	A774
G1752	G1685	C1611	G1536	U1461	G1392	G1326	A1258	C1185	G1117	C1053	G984	G911	C844	G775
U1753	G1686	A1612	A1536	C1462	G1393	G1327	G1258	C1186	C1118	C1054	U988	G912	G845	C776
G1754	C1687	A1613	G1537	C1463	G1394	U1328	G1261	U1187	C1119	A1055	G989	G913	G846	G777
G1755	A1688	A1614	G1538	G1464	A1395	G1329	C1262	A1188	G1120	A1056	A990	A847	C778	C778
U1756	G1688	G1615	C1539	A1465	C1396	G1337	G1263	G1197	C1121	G1057	G991	A917	C848	C779
C1757	G1692	A1616	G1547	U1466	C1397	U1338	C1264	G1198	C1122	C1064	A998	U918	C849	G780
C1758	A1617	A1542	C1547	C1467	U1398	A1332	G1264	C1199	A1123	C1065	G992	A919	U850	C783
G1759	G1694	U1543	C1548	G1468	U1398	A1333	C1276	C1198	G1124	U1060	G993	G921	A851	C784
C1695	A1618	C1544	A1405	G1469	A1399	U1334	G1277	C1199	C1125	A1066	C1000	G926	G852	G785
G1696	A1619	G1545	G1410	G1470	A1400	C1335	G1278	G1200	U1129	G1067	G995	G922	C853	G786
G1697	G1546	G1402	A1411	C1471	G1401	C1336	C1279	G1209	U1136	G1068	C997	C923	U854	G787
G1698	C1547	U1403	A1412	G1472	G1402	C1337	G1279	G1210	U1147	U1078	A998	U924	G855	U787
A1699	C1547	A1404	A1419	C1474	U1403	U1338	G1279	G1211	U1140	A1072	A1005	A925	G856	G788
G1700	A1626	G1404	G1420	G1475	A1405	C1339	G1281	C1212	A1141	A1073	C1006	G999	U850	G789
U1701	G1627	A1405	C1421	C1476	A1406	U1340	U1280	U1213	A1142	A1074	G1007	G927	C859	G790
G1702	C1552	G1410	C1421	U1477	A1411	C1341	G1281	G1214	A1143	A1075	U1008	G928	U860	G791
C1703	A1553	A1411	C1421	C1478	A1412	G1342	G1282	G1215	U1144	G1076	C1009	C929	C861	C792
G1704	C1554	A1412	C1421	U1479	A1412	C1343	G1282	G1216	U1147	G1077	C1010	G930	U860	G793
A1705	A1556	U1418	G1420	G1480	U1418	C1344	G1282	G1217	U1147	U1079	C1012	U941	C871	C801
G1706	A1557	U1419	G1420	G1481	U1419	G1345	G1282	A1219	A1149	G1080	G1013	A942	C872	C802
C1707	G1558	G1420	C1421	G1482	G1420	G1346	G1282	U1220	C1150	U1081	C1015	C943	U874	C803
G1708	G1559	G1420	C1421	G1482	G1420	A1347	G1282	G1221	U1151	G1082	C1016	C944	U875	G810
C1709	U1560	C1421	C1422	G1490	C1421	A1348	G1282	G1222	G1152	G1085	C1017	C944	U876	A811
G1710	U1561	C1422	G1422	A1491	C1422	A1349	G1282	G1223	G1153	G1086	A877	C949	A877	G816
C1711	U1562	G1422	G1423	A1491	C1422	A1353	G1282	C1224	G1154	C1087	C950	U951	G878	G817
A1712	G1563	A1494	A1424	C1492	A1430	C1360	G1282	G1225	C1155	G1088	G879	G952	U880	G818
G1713	G1639	G1494	A1425	C1493	G1431	C1361	G1282	G1226	G1156	G1089	C881	G953	C881	C819
G1714	G1640	G1495	G1426	C1495	U1501	U1362	G1282	G1227	G1157	G1090	C1022	C954	U882	U820
G1715	G1641	A1496	G1427	A1496	G1434	A1363	G1282	G1228	G1158	A1091	C1026	C954	A882	A821
A1716	C1644	G1497	G1428	G1497	G1435	C1366	G1282	G1229	U1159	G1091	A1029	C954	A882	G822
C1717	C1645	C1498	C1429	C1498	G1435	C1366	G1282	G1230	G1160	A1092	A956	C954	A882	G822
C1718	C1646	A1575	A1438	C1499	A1439	A1367	G1282	G1231	G1161	A1093	A957	C954	U886	G822
G1719	G1647	A1500	A1439	U1500	G1431	A1368	G1282	G1232	G1162	A1094	C957	C954	C887	A824
C1722	U1648	U1501	U1440	U1501	G1431	U1369	G1282	G1233	G1163	C1095	C1031	U959	A888	G825
A1723	G1578	G1502	A1441	C1502	G1434	G1370	G1282	G1234	C1164	C1099	C1032	C960	C887	U826
C1724	C1579	G1503	U1442	G1503	G1435	G1371	G1282	G1235	C1165	A1100	G1036	C961	G892	A828
G1725	G	U	U	A1504	G1435	U1372	G1282	G1236	G1166	G1101	A1034	G962	G892	A828
U1728	C1651	C1505	A1438	A1504	A1438	C1366	G1282	G1237	G1167	G1101	A1034	G962	G892	A828
G1729	C1652	C1506	A1439	G1506	A1439	A1368	G1282	G1238	G1168	G1101	A1034	G962	G892	A828
A1730	C1653	A1507	U1440	A1507	U1440	U1369	G1282	G1239	G1169	G1101	A1034	G962	G892	A828
C1731	A1654	A1508	U1441	C1508	U1441	G1371	G1282	G1240	G1170	G1101	A1034	G962	G892	A828
G1732	G1655	G1508	U1442	G1508	U1442	G1371	G1282	G1241	G1171	G1101	A1034	G962	G892	A828
A1793	A1656	A1509	U1443	C1511	U1443	U1372	G1282	G1242	G1172	G1101	A1034	G962	G892	A828
G1794	C1657	G1512	U1444	C1512	U1444	U1373	G1282	G1243	G1173	G1101	A1034	G962	G892	A828
G1795	C1658	G1513	U1445	G1513	U1445	G1374	G1282	G1244	G1174	G1101	A1034	G962	G892	A828
C1796	G1659	G1513	U1445	G1513	U1445	G1374	G1282	G1245	G1175	G1101	A1034	G962	G892	A828

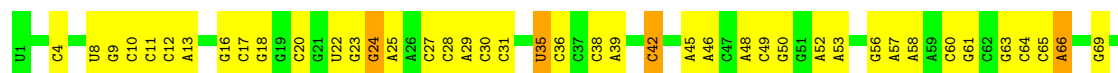
C2722	A2851	A2589	G2522	G2459	C2325	A2259	G2190	U2063	A1999	U1837	U1865	U1797
A2723	G2852	G2590	U2523	A2460	C2326	G2260	A2191	A2064	A2000	A1938	G1866	C1798
U2724	G2852	G2591	C2524	U2461	C2327	U2261	A2192	C2066	G2001	C1939	C1867	U1799
A2725	G2853	U2592	G2527	A2462	C2328	G2262	A2193	C2067	C2002	A1940	C1868	G1800
G2726	U2659	G2593	G2528	A2463	C2329	G	U2194	C2068	A2003	A1941	C1869	G1801
G2727	G2660	G2594	G2529	A2464	C2330	G2264	U2195	G2069	G2004	C1942	G1870	C1802
G2728	U2661	G2595	G2530	A2465	C2331	G2265	U2135	U2069	C2005	G1943	G1871	G1803
U2729	G2862	U2596	A2530	G2466	A2332	G2266	A2136	G2070	G2006	G1944	U1872	C1804
G2730	G2867	U2597	U2531	G2467	G2333	G2267	A2137	G2071	G2007	U1945	G1873	A1805
G2731	U2668	G2598	C2532	A2468	A2334	G2268	A2138	C2072	G2008	C1946	C1874	C1805
G2732	G2668	A2599	C2533	G2469	G2335	G2268	A2139	G2073	U2013	U1947	C1875	U1810
U2733	U2634	G2600	U2534	G2470	G2336	U2273	G2208	G2074	U2014	U1948	G1876	U1811
A2734	G2871	A2601	G2538	G2471	G2337	U2274	G2209	G2075	G2015	G1951	G1877	C1812
G2735	A2872	A2602	G2539	U2474	A2340	C2275	G2212	A2076	C2016	G1952	A1878	C1813
G2736	G2873	G2603	C2539	U2475	G2341	C2276	G2213	C2077	U2017	G1953	A1879	A1814
C2737	A2874	G2604	U2540	G2476	G2342	U2277	G2214	G2078	C2018	G1954	G1880	A1815
A2738	G2875	U2605	G2541	C2477	G2343	A2278	G2215	A2079	G2019	G1955	G1881	A1816
U2739	G2876	G2606	A2542	G2478	G2344	A2279	G2216	A2080	G2020	G1956	U1882	A1817
G2740	A2877	G2607	G2543	U2479	U2344	A2280	C2217	A2081	G2021	G1957	C1883	A1818
U2741	G2878	U2608	U2544	G2480	A2345	A2281	C2218	A2082	G2022	A1958	A1884	C1819
G2742	G2879	G2609	A2545	A2481	G2346	G2282	U2219	G2083	G2023	A1959	A1885	A1820
G2743	A2880	A2610	A2546	G2482	A2347	G2283	A2220	G2084	A2024	A1960	G1886	C1821
G2745	G2881	G2611	G2547	C2483	A2348	U2284	U2221	C2085	G2025	U1961	G1887	U1822
A2746	G2882	A2612	U2548	G2484	G2349	A2285	C2222	C2086	G2026	U1962	G1888	G1823
G2747	G2883	G2613	U2549	U2485	G2350	A2286	C2223	C2087	G2027	C1963	G1889	C1824
G2748	A2887	A2614	C2550	C2486	G2351	G2287	C2224	C2088	C2028	C1864	U1825	U1825
G2749	G2888	U2615	G2551	C2487	G2352	G2288	C2225	G2089	C2029	U1965	G1895	C1826
G2750	G2889	G2616	C2552	A2488	G2353	G2289	C2226	U2090	C2030	U1966	U1827	C1827
U2752	G2890	U2617	A2553	G2489	G2354	A2290	G2227	C2091	G2031	U1967	C1828	C1828
A2753	A2891	G2618	G2554	A2490	C2355	G2291	G2228	G2092	G2032	U1968	A1898	U1829
G2754	G2892	G2619	G2555	G2491	U2356	G2292	U2229	A2093	G2033	C1969	A1899	G1830
C2755	C2893	G2620	G2556	C2492	C2357	G2293	U2230	C2094	G2034	G1970	G1900	C1831
G2756	U2694	U2621	U2558	G2493	G2358	G2294	U2231	C2095	A2035	C1832	G1832	C1832
G2757	G2695	G2622	U2559	G2494	C2359	C2297	G2232	U2096	A2036	U1972	G1904	A1833
G2758	U2696	U2623	G2560	A2495	U2360	A2298	G2233	U2097	A2037	C1973	G1905	A1834
G2759	G2697	G2624	G2561	G2496	G2361	A2299	G2234	U2098	U2038	A1974	A1906	C1835
G2760	G2698	U2625	G2562	G2497	C2362	A2300	G2235	A2099	U2039	A1975	A1907	C1836
A2761	U2699	A2626	U2563	G2498	G2363	G2301	G2236	C2100	G2040	G1976	C1908	U1836
G2762	U2700	G2627	G2564	G2499	A2364	G2302	A2237	U2101	A2041	U1977	C1909	G1842
A2763	C2701	G2630	G2565	A2500	G2365	U2303	A2238	G2102	A2042	U1978	G1910	A1843
G2764	C2702	G2631	U2566	G2501	G2366	C2304	A2239	C2103	C2043	C1979	A1912	G1844
C2765	C2703	C2632	U2567	G2502	C2367	G2305	G2240	A2104	U2044	C1980	A1913	G1847
A2766	G2704	A2633	C2568	U2503	C2368	C2306	G2241	G2105	G2045	G1981	G1913	G1848
U2767	A2705	G2634	G2569	U2504	U2369	G2307	G2242	C2108	G2046	A1982	C1914	U1849
C2768	G2706	G2635	C2570	U2505	G2370	U2308	C2243	G2109	C2047	C1983	C1915	U1850
U2769	C2707	U2636	U2575	G2506	A2371	C2309	U2244	G2115	G2048	C1984	C1916	A1851
A2770	U2708	G2637	A2576	A2509	C2372	A2310	G2245	G2116	U2050	U1986	G1917	U1852
G2771	G2709	C2638	A2577	C2511	A2373	G2311	G2246	G2117	G2051	C1987	G1853	G1854
U2772	U2710	G2639	U2578	U2512	G2374	G2312	G2247	C2118	A2052	C1988	G1854	G1855
G2773	C2711	C2640	A2579	G2513	C2375	G2313	G2248	U2119	A2053	A1989	G1856	A1856
G2774	A2641	A2642	U2580	U2514	G2376	G2314	C2249	C2120	G2054	C1990	A1922	G1857
G2775	G2712	G2643	C2580	A2515	C2377	A2315	G2250	U2121	A2055	A1991	G1929	C1858
G2776	U2713	G2644	U2581	C2452	C2380	G2316	G2251	U2122	U2056	A1992	G1930	C1859
A2777	C2715	A2644	G2582	C2453	C2381	G2317	C2252	G2123	G2057	A1993	C1930	G1860
G2778	G2716	G2645	U2583	C2454	G2382	G2318	A2253	C2124	C2058	A1994	U1933	A1860
U2779	A2717	U2646	A2584	G2455	G2383	G2319	G2254	U2125	G2059	G1995	C1861	C1862
G2780	C2718	C2647	C2585	C2456	G2387	A2321	U2255	U2126	C2060	C1996	A1934	C1863
G2782	U2719	U2648	G2586	G2457	A2388	A2322	U2256	G2127	G2061	G1997	A1935	U1864
G2783	G2720	G2649	C2587	U2458	A2389	U2323	U2257	G2128	C2062	U1998	C1936	
C2784	G2721	G2650	G2588	G2458	A2390	U2324	G2258					



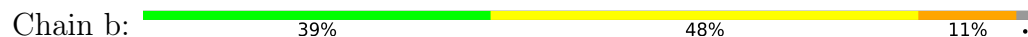




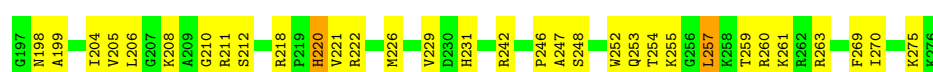
- Molecule 2: 5S rRNA



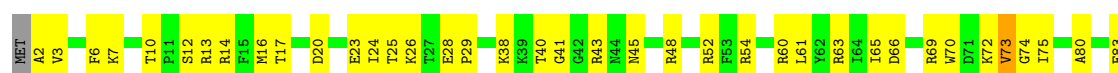
- Molecule 2: 5S rRNA

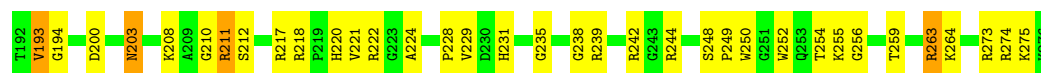


- Molecule 3: 50S ribosomal protein L2



- Molecule 3: 50S ribosomal protein L2





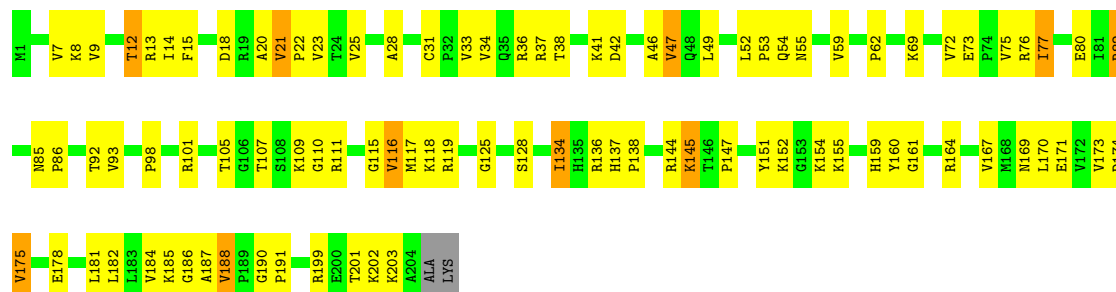
• Molecule 4: 50S ribosomal protein L3

Chain D: 55% 39% 5% •



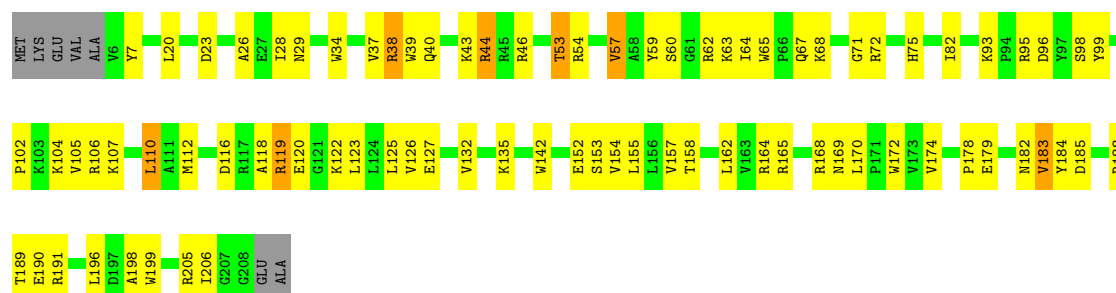
• Molecule 4: 50S ribosomal protein L3

Chain d: 54% 40% 5% •



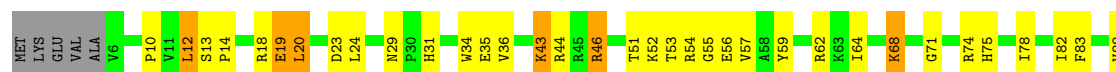
• Molecule 5: 50S ribosomal protein L4

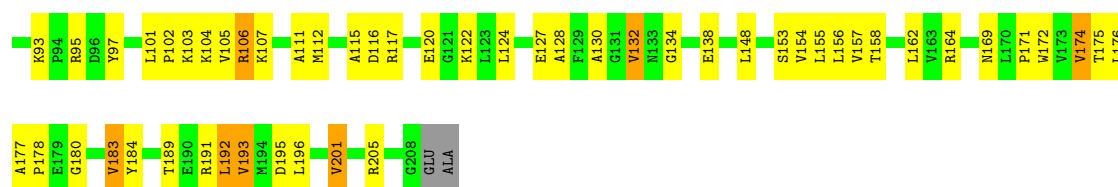
Chain E: 58% 36% • •



• Molecule 5: 50S ribosomal protein L4

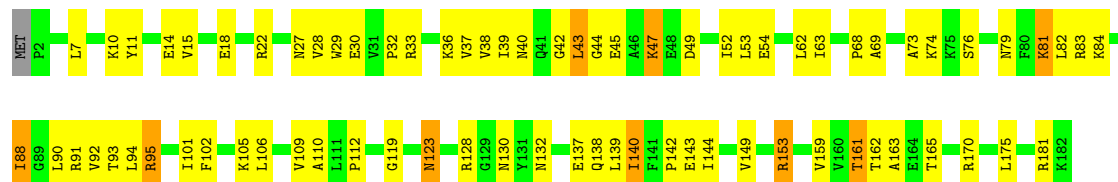
Chain e: 55% 35% 6% •





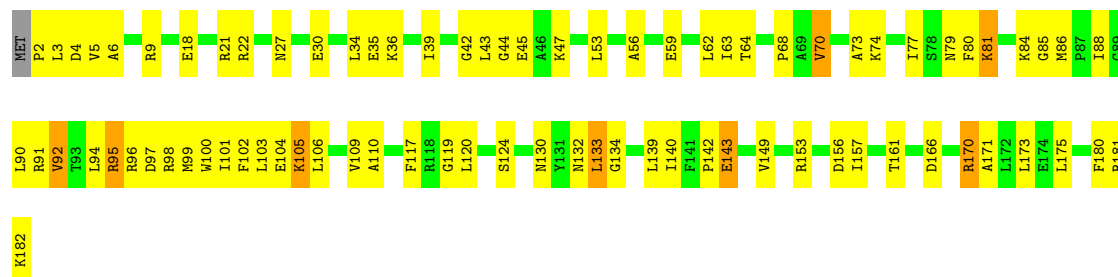
- Molecule 6: 50S ribosomal protein L5

Chain F: 58% 36% 5% .



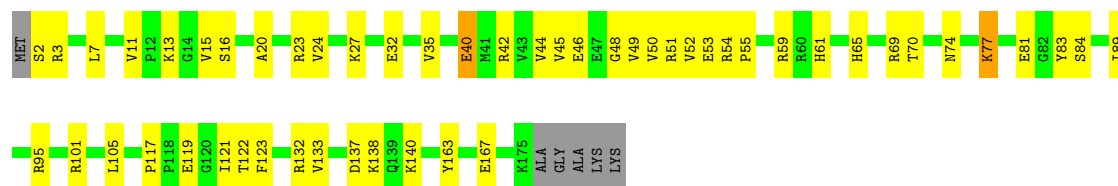
- Molecule 6: 50S ribosomal protein L5

Chain f: 55% 40% . .



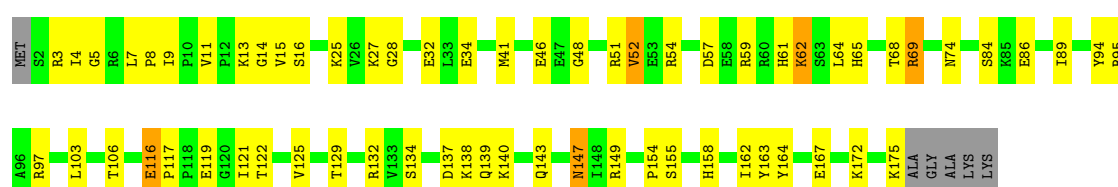
- Molecule 7: 50S ribosomal protein L6

Chain G: 68% 28% . .

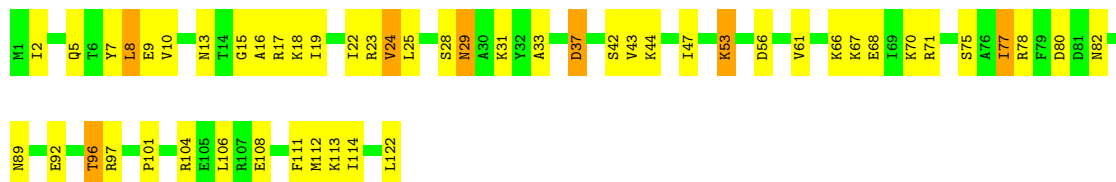


- Molecule 7: 50S ribosomal protein L6

Chain g: 61% 33% . .

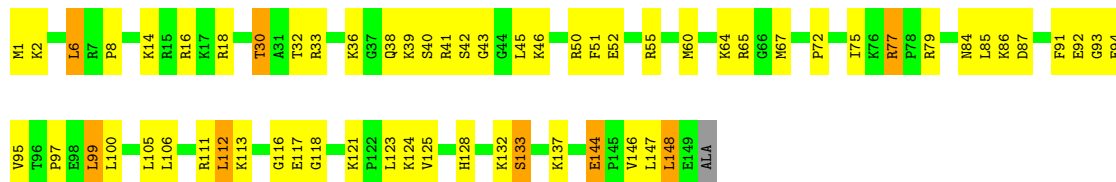


Chain j:  58% 36% 6%



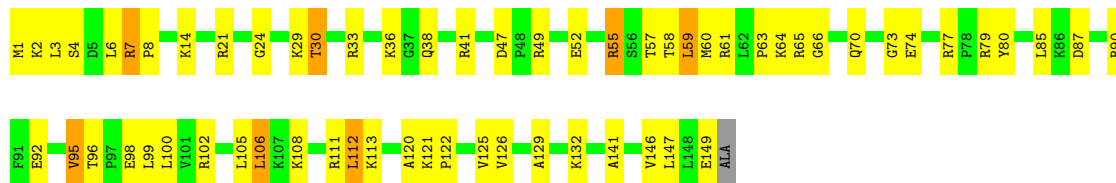
- Molecule 11: 50S ribosomal protein L15

Chain K:  57% 37% 5%



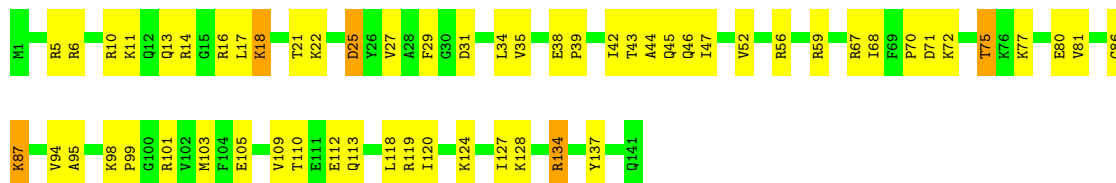
- Molecule 11: 50S ribosomal protein L15

Chain k:  58% 37% 5%



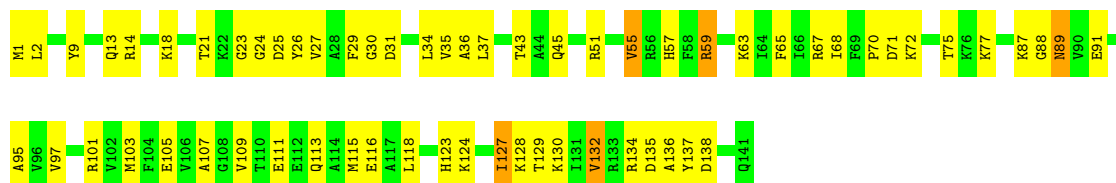
- Molecule 12: 50S ribosomal protein L16

Chain L:  59% 38% 3%

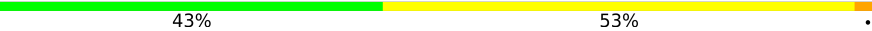


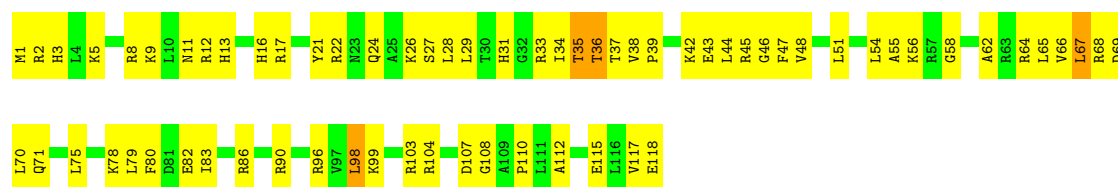
- Molecule 12: 50S ribosomal protein L16

Chain l:  56% 40% 4%



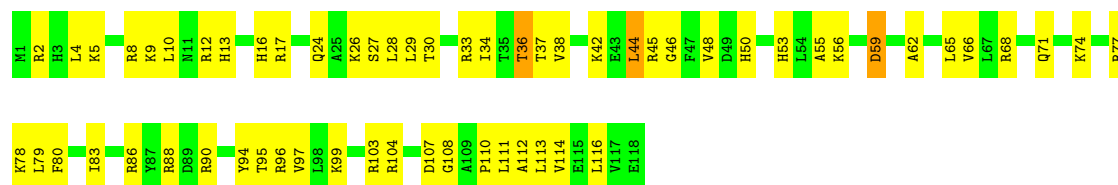
- Molecule 13: 50S ribosomal protein L17

Chain M: 



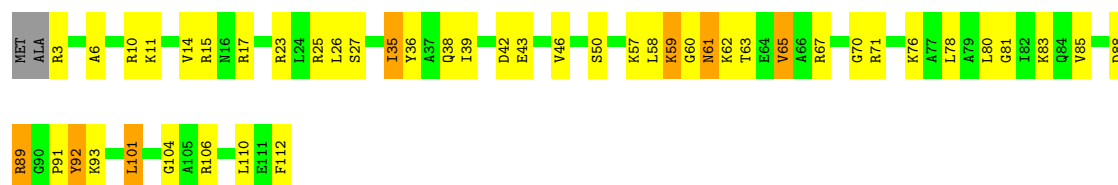
• Molecule 13: 50S ribosomal protein L17

Chain m: 



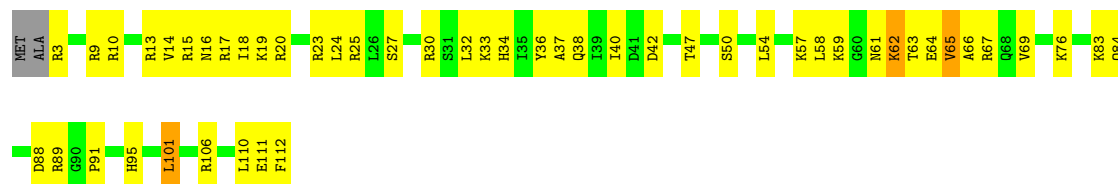
• Molecule 14: 50S ribosomal protein L18

Chain N: 

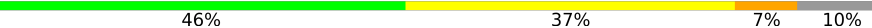


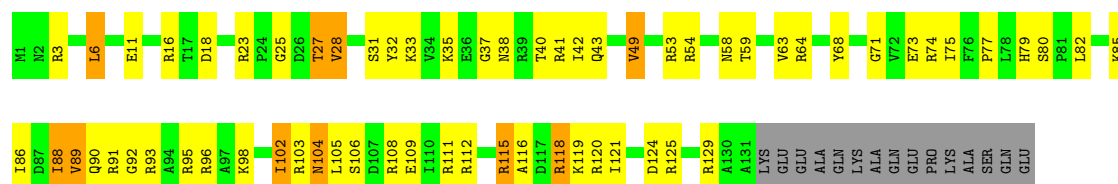
• Molecule 14: 50S ribosomal protein L18

Chain n: 



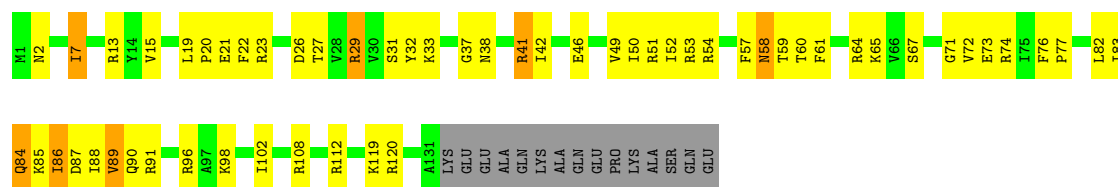
• Molecule 15: 50S ribosomal protein L19

Chain O: 



• Molecule 15: 50S ribosomal protein L19

Chain o: 



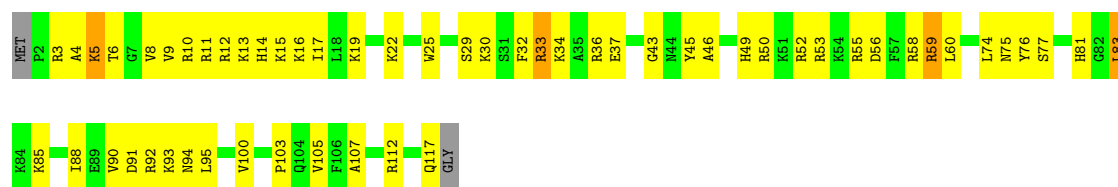
• Molecule 16: 50S ribosomal protein L20

Chain P: 



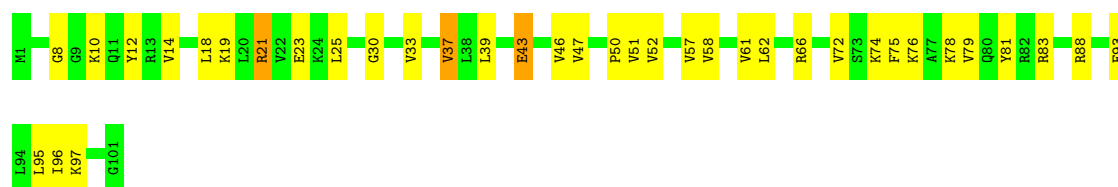
• Molecule 16: 50S ribosomal protein L20

Chain p: 



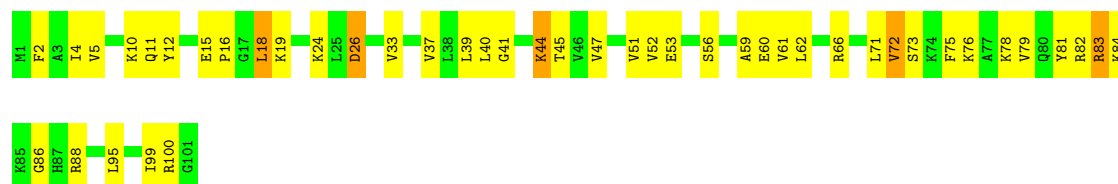
• Molecule 17: 50S ribosomal protein L21

Chain Q: 



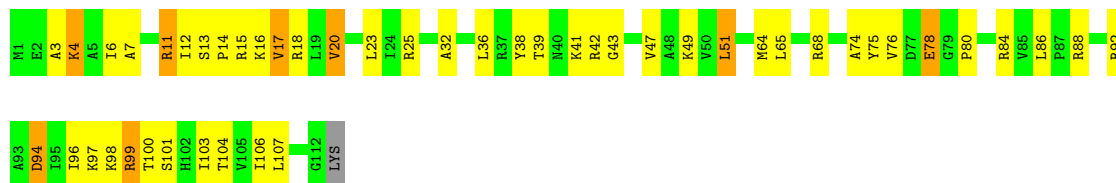
• Molecule 17: 50S ribosomal protein L21

Chain q: 



- Molecule 18: 50S ribosomal protein L22

Chain R:  57% 35% 7%



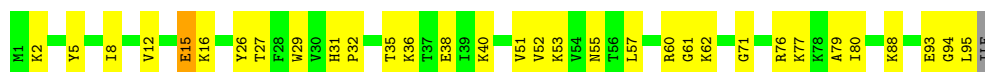
- Molecule 18: 50S ribosomal protein L22

Chain r:  61% 34% 5%



- Molecule 19: 50S ribosomal protein L23

Chain S:  66% 32% 2%



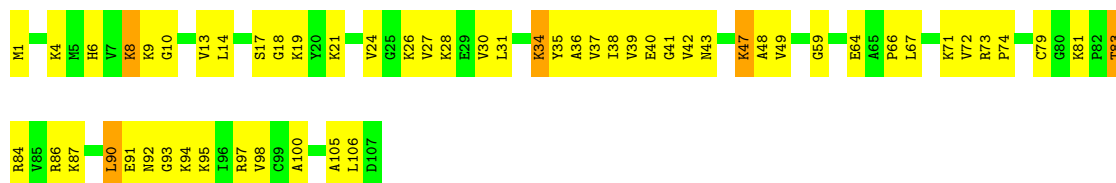
- Molecule 19: 50S ribosomal protein L23

Chain s:  60% 35% 5%



- Molecule 20: Large ribosomal subunit protein uL24

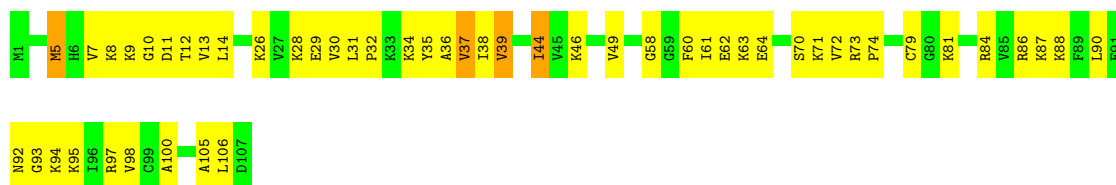
Chain T:  48% 48% 5%



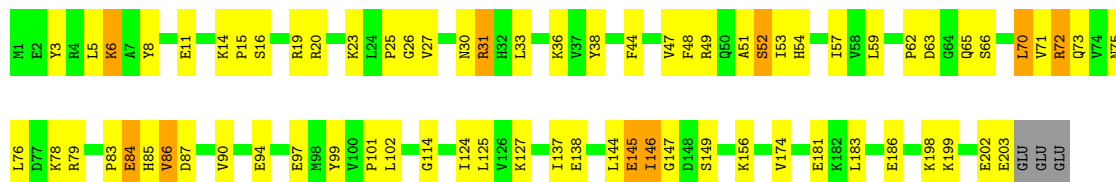
- Molecule 20: Large ribosomal subunit protein uL24

Chain t:  52% 44% 4%

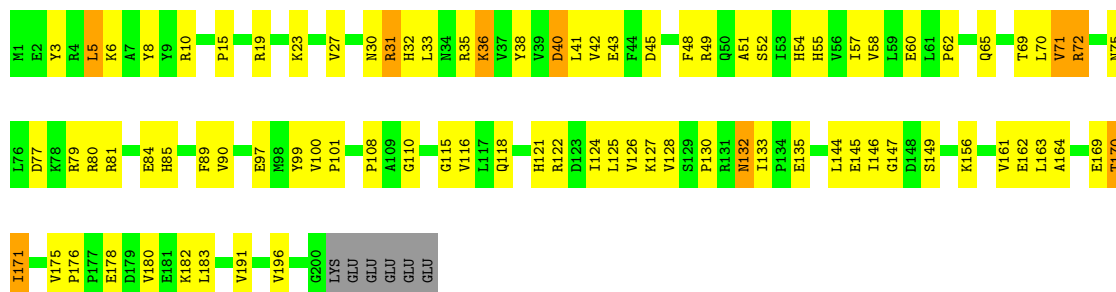




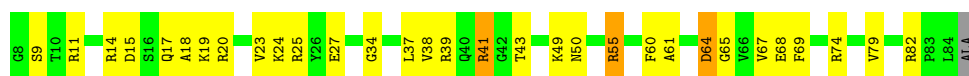
- Molecule 21: 50S ribosomal protein L25



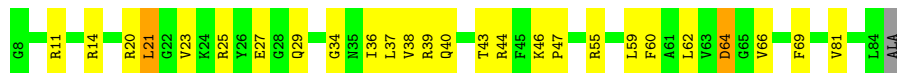
- Molecule 21: 50S ribosomal protein L25



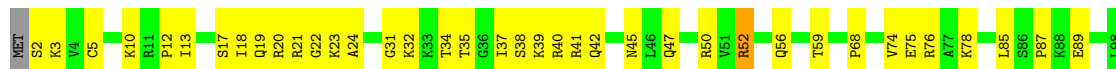
- Molecule 22: Large ribosomal subunit protein bL27



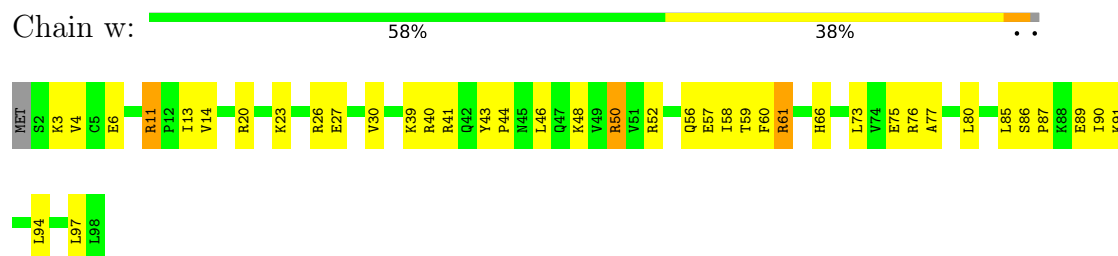
- Molecule 22: Large ribosomal subunit protein bL27



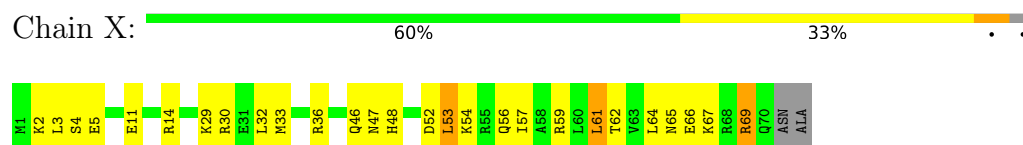
- Molecule 23: Large ribosomal subunit protein bL28



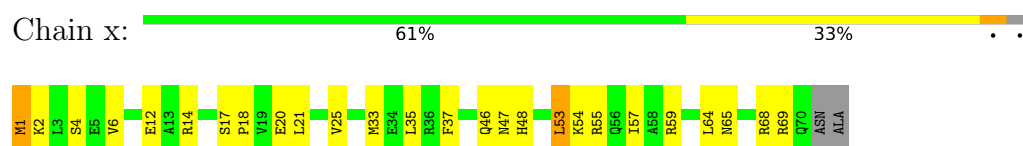
• Molecule 23: Large ribosomal subunit protein bL28



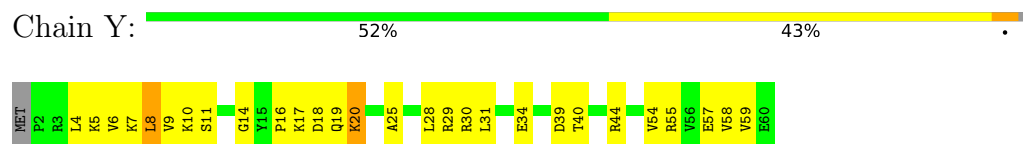
• Molecule 24: Large ribosomal subunit protein uL29



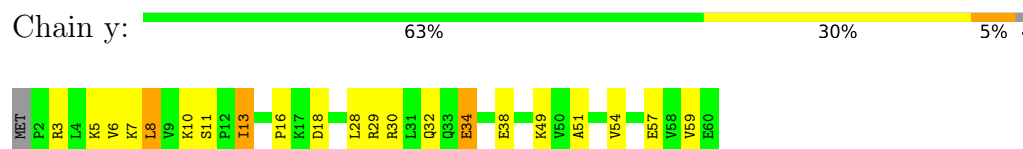
• Molecule 24: Large ribosomal subunit protein uL29



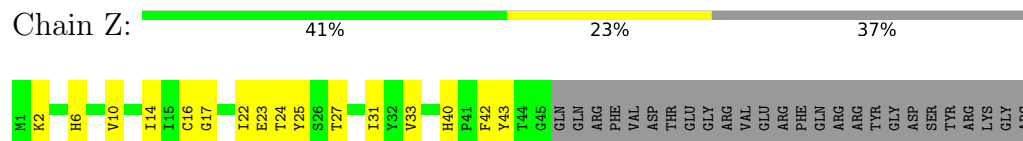
• Molecule 25: 50S ribosomal protein L30



• Molecule 25: 50S ribosomal protein L30

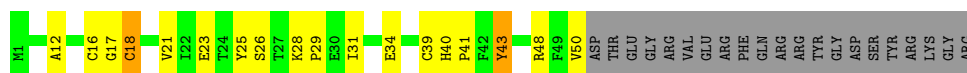


• Molecule 26: 50S ribosomal protein L31



• Molecule 26: 50S ribosomal protein L31





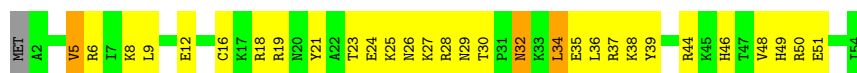
- Molecule 27: 50S ribosomal protein L32



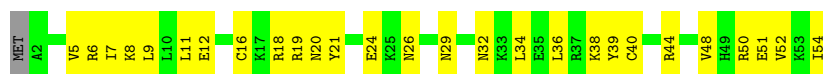
- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



- Molecule 29: 50S ribosomal protein L34

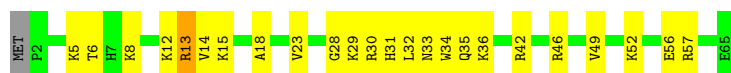


- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35





- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36



- Molecule 31: 50S ribosomal protein L36



4 Data and refinement statistics

Property	Value	Source
Space group	P 41	Depositor
Cell constants a, b, c, α , β , γ	303.80Å 303.80Å 434.80Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	30.00 – 3.99 30.00 – 3.99	Depositor EDS
% Data completeness (in resolution range)	86.1 (30.00-3.99) 86.1 (30.00-3.99)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	5.13 (at 3.98Å)	Xtriage
Refinement program	PHENIX (1.11.1_2575: ???)	Depositor
R, R_{free}	0.296 , 0.362 0.298 , 0.360	Depositor DCC
R_{free} test set	1988 reflections (0.53%)	wwPDB-VP
Wilson B-factor (Å ²)	51.8	Xtriage
Anisotropy	0.134	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.08 , 129.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.37$, $\langle L^2 \rangle = 0.19$	Xtriage
Estimated twinning fraction	0.180 for h,-k,-l	Xtriage
F_o, F_c correlation	0.77	EDS
Total number of atoms	195873	wwPDB-VP
Average B, all atoms (Å ²)	84.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.17% 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 [i](#)

5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: 4OC, MG, 2MA, PSU, 5MU, 5MC, 2MU, ZN

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	A	0.11	0/69028	0.27	0/107742
1	a	0.11	0/69028	0.27	0/107742
2	B	0.11	0/2876	0.25	0/4486
2	b	0.10	0/2876	0.24	0/4486
3	C	0.10	0/2181	0.34	0/2940
3	c	0.12	0/2181	0.36	0/2940
4	D	0.12	0/1592	0.34	0/2149
4	d	0.12	0/1592	0.38	0/2149
5	E	0.10	0/1619	0.31	0/2193
5	e	0.11	0/1619	0.30	0/2193
6	F	0.12	0/1451	0.36	0/1961
6	f	0.13	0/1451	0.35	0/1961
7	G	0.11	0/1356	0.30	0/1834
7	g	0.11	0/1356	0.30	0/1834
8	H	0.10	0/559	0.29	0/754
8	h	0.10	0/482	0.34	0/650
9	I	0.09	0/1148	0.29	0/1547
9	i	0.10	0/1148	0.30	0/1547
10	J	0.14	0/943	0.32	0/1269
10	j	0.13	0/943	0.33	0/1269
11	K	0.17	0/1152	0.40	0/1533
11	k	0.12	0/1152	0.34	0/1533
12	L	0.16	0/1143	0.36	0/1527
12	l	0.21	0/1143	0.43	0/1527
13	M	0.13	0/982	0.38	0/1312
13	m	0.12	0/982	0.35	0/1312
14	N	0.11	0/887	0.32	0/1180
14	n	0.11	0/887	0.33	0/1180
15	O	0.12	0/1105	0.34	0/1477
15	o	0.12	0/1105	0.36	0/1477
16	P	0.13	0/977	0.34	0/1301
16	p	0.10	0/977	0.32	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	Q	0.10	0/786	0.32	0/1053
17	q	0.10	0/786	0.32	0/1053
18	R	0.11	0/897	0.32	0/1205
18	r	0.13	0/897	0.40	0/1205
19	S	0.10	0/764	0.30	0/1025
19	s	0.10	0/764	0.29	0/1025
20	T	0.12	0/823	0.35	0/1099
20	t	0.11	0/823	0.35	0/1099
21	U	0.12	0/1620	0.33	0/2200
21	u	0.11	0/1593	0.31	0/2165
22	V	0.10	0/616	0.32	0/821
22	v	0.10	0/616	0.35	0/821
23	W	0.12	0/761	0.31	0/1013
23	w	0.10	0/761	0.29	0/1013
24	X	0.13	0/590	0.33	0/781
24	x	0.12	0/590	0.32	0/781
25	Y	0.11	0/474	0.31	0/635
25	y	0.18	0/474	0.37	0/635
26	Z	0.10	0/353	0.23	0/479
26	z	0.10	0/395	0.27	0/536
27	0	0.11	0/473	0.34	0/639
27	5	0.11	0/473	0.32	0/639
28	13	0.10	0/460	0.34	0/613
28	6	0.11	0/460	0.34	0/613
29	2	0.12	0/426	0.40	0/561
29	7	0.12	0/426	0.38	0/561
30	3	0.11	0/525	0.31	0/691
30	8	0.10	0/525	0.30	0/691
31	4	0.10	0/310	0.31	0/407
31	9	0.09	0/310	0.31	0/407
All	All	0.11	0/197692	0.29	0/296772

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
1	A	20	0
1	a	20	0
6	F	0	1
6	f	0	1
All	All	40	2

There are no bond length outliers.

There are no bond angle outliers.

5 of 40 chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
1	A	1933	PSU	C1',C3',C2'
1	A	1937	5MU	C1'
1	A	1939	PSU	C1',C3',C2'
1	A	1942	4OC	C3',C2'
1	A	1961	5MU	C1'

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
6	F	95	ARG	Peptide
6	f	95	ARG	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	A	61845	0	31176	1906	0
1	a	61845	0	31180	1950	0
2	B	2572	0	1305	63	0
2	b	2572	0	1305	67	0
3	C	2131	0	2207	98	0
3	c	2131	0	2207	108	0
4	D	1559	0	1618	97	0
4	d	1559	0	1618	82	0
5	E	1584	0	1625	74	0
5	e	1584	0	1625	72	0
6	F	1426	0	1445	61	0
6	f	1426	0	1445	68	0
7	G	1330	0	1407	35	0
7	g	1330	0	1407	41	0
8	H	555	0	584	12	0
8	h	478	0	515	9	0
9	I	1121	0	1195	39	0
9	i	1121	0	1195	51	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
10	J	933	0	996	42	0
10	j	933	0	996	47	0
11	K	1135	0	1212	57	0
11	k	1135	0	1211	55	0
12	L	1122	0	1179	59	0
12	l	1122	0	1179	62	0
13	M	968	0	1033	46	0
13	m	968	0	1033	52	0
14	N	877	0	938	38	0
14	n	877	0	938	48	0
15	O	1091	0	1151	55	0
15	o	1091	0	1151	49	0
16	P	959	0	1019	59	0
16	p	959	0	1019	55	0
17	Q	775	0	841	26	0
17	q	775	0	841	37	0
18	R	886	0	940	45	0
18	r	886	0	940	33	0
19	S	750	0	814	23	0
19	s	750	0	814	32	0
20	T	810	0	895	52	0
20	t	810	0	893	45	0
21	U	1587	0	1598	59	0
21	u	1560	0	1573	65	0
22	V	608	0	622	32	0
22	v	608	0	622	24	0
23	W	754	0	823	34	0
23	w	754	0	823	35	0
24	X	588	0	643	19	0
24	x	588	0	643	22	0
25	Y	469	0	518	26	0
25	y	469	0	518	18	0
26	Z	344	0	343	12	0
26	z	385	0	377	14	0
27	0	459	0	479	20	0
27	5	459	0	478	21	0
28	13	453	0	474	24	0
28	6	453	0	473	20	0
29	2	418	0	467	32	0
29	7	418	0	467	28	0
30	3	517	0	582	27	0
30	8	517	0	582	28	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
31	4	307	0	335	22	0
31	9	307	0	336	21	0
32	0	7	0	0	0	0
32	13	2	0	0	0	0
32	2	11	0	0	0	0
32	3	2	0	0	0	0
32	5	7	0	0	0	0
32	6	6	0	0	0	0
32	7	7	0	0	0	0
32	8	12	0	0	0	0
32	9	3	0	0	0	0
32	A	1382	0	0	0	0
32	B	37	0	0	0	0
32	C	44	0	0	0	0
32	D	8	0	0	0	0
32	E	30	0	0	0	0
32	F	5	0	0	0	0
32	G	1	0	0	0	0
32	H	8	0	0	0	0
32	I	12	0	0	0	0
32	J	9	0	0	0	0
32	K	22	0	0	0	0
32	L	9	0	0	0	0
32	M	4	0	0	0	0
32	O	10	0	0	0	0
32	P	7	0	0	0	0
32	Q	10	0	0	0	0
32	R	19	0	0	0	0
32	S	9	0	0	0	0
32	T	17	0	0	0	0
32	U	11	0	0	0	0
32	V	5	0	0	0	0
32	W	15	0	0	0	0
32	X	16	0	0	0	0
32	Y	1	0	0	0	0
32	a	1614	0	0	0	0
32	b	21	0	0	0	0
32	c	33	0	0	0	0
32	d	25	0	0	0	0
32	e	37	0	0	0	0
32	f	4	0	0	0	0
32	g	9	0	0	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
32	h	18	0	0	0	0
32	i	26	0	0	0	0
32	j	21	0	0	0	0
32	k	20	0	0	0	0
32	l	16	0	0	0	0
32	m	19	0	0	0	0
32	n	7	0	0	0	0
32	o	31	0	0	0	0
32	p	16	0	0	0	0
32	q	30	0	0	0	0
32	r	28	0	0	0	0
32	s	10	0	0	0	0
32	t	4	0	0	0	0
32	u	25	0	0	0	0
32	v	11	0	0	0	0
32	w	10	0	0	0	0
32	x	11	0	0	0	0
32	y	9	0	0	0	0
32	z	4	0	0	0	0
33	0	1	0	0	0	0
33	13	1	0	0	0	0
33	4	1	0	0	0	0
33	5	1	0	0	0	0
33	6	1	0	0	0	0
33	9	1	0	0	0	0
33	T	1	0	0	0	0
33	Z	1	0	0	0	0
33	t	1	0	0	0	0
33	z	1	0	0	0	0
34	0	3	0	0	0	0
34	13	13	0	0	0	0
34	2	26	0	0	2	0
34	3	3	0	0	0	0
34	5	10	0	0	0	0
34	6	16	0	0	0	0
34	7	11	0	0	3	0
34	8	15	0	0	1	0
34	9	10	0	0	1	0
34	A	3514	0	0	44	0
34	B	142	0	0	3	0
34	C	84	0	0	1	0
34	D	37	0	0	2	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
34	E	62	0	0	4	0
34	F	16	0	0	0	0
34	H	2	0	0	0	0
34	I	52	0	0	1	0
34	J	16	0	0	0	0
34	K	46	0	0	3	0
34	L	20	0	0	0	0
34	M	13	0	0	0	0
34	O	20	0	0	1	0
34	P	24	0	0	1	0
34	Q	4	0	0	0	0
34	R	43	0	0	1	0
34	S	19	0	0	0	0
34	T	28	0	0	0	0
34	U	26	0	0	0	0
34	V	24	0	0	1	0
34	W	61	0	0	1	0
34	X	28	0	0	0	0
34	Y	8	0	0	0	0
34	a	4732	0	0	58	0
34	b	78	0	0	1	0
34	c	74	0	0	1	0
34	d	94	0	0	3	0
34	e	81	0	0	0	0
34	f	12	0	0	0	0
34	g	6	0	0	0	0
34	h	19	0	0	0	0
34	i	49	0	0	1	0
34	j	75	0	0	1	0
34	k	30	0	0	0	0
34	l	68	0	0	2	0
34	m	38	0	0	2	0
34	n	9	0	0	1	0
34	o	79	0	0	1	0
34	p	51	0	0	0	0
34	q	40	0	0	1	0
34	r	47	0	0	0	0
34	s	32	0	0	1	0
34	t	22	0	0	2	0
34	u	80	0	0	0	0
34	v	46	0	0	2	0
34	w	32	0	0	1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
34	x	43	0	0	3	0
34	y	20	0	0	1	0
All	All	195873	0	120868	5490	0

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 19.

The worst 5 of 5490 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:A:2491:G:OP2	31:4:2:LYS:NZ	1.78	1.16
1:a:2357:G:OP2	28:6:38:LYS:NZ	1.81	1.14
5:E:122:LYS:NZ	5:E:152:GLU:OE2	1.84	1.10
1:A:20:C:OP2	16:P:22:LYS:NZ	1.84	1.08
1:A:655:G:OP2	30:3:15:LYS:NZ	1.85	1.08

There are no symmetry-related clashes.

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	C	273/276 (99%)	265 (97%)	8 (3%)	0	100	100
3	c	273/276 (99%)	267 (98%)	6 (2%)	0	100	100
4	D	202/206 (98%)	191 (95%)	11 (5%)	0	100	100
4	d	202/206 (98%)	193 (96%)	9 (4%)	0	100	100
5	E	201/210 (96%)	198 (98%)	3 (2%)	0	100	100
5	e	201/210 (96%)	196 (98%)	5 (2%)	0	100	100
6	F	179/182 (98%)	171 (96%)	8 (4%)	0	100	100
6	f	179/182 (98%)	171 (96%)	8 (4%)	0	100	100

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
7	G	172/180 (96%)	166 (96%)	6 (4%)	0	100	100
7	g	172/180 (96%)	167 (97%)	5 (3%)	0	100	100
8	H	71/148 (48%)	71 (100%)	0	0	100	100
8	h	60/148 (40%)	60 (100%)	0	0	100	100
9	I	138/140 (99%)	136 (99%)	2 (1%)	0	100	100
9	i	138/140 (99%)	135 (98%)	3 (2%)	0	100	100
10	J	120/122 (98%)	118 (98%)	2 (2%)	0	100	100
10	j	120/122 (98%)	113 (94%)	7 (6%)	0	100	100
11	K	147/150 (98%)	140 (95%)	7 (5%)	0	100	100
11	k	147/150 (98%)	140 (95%)	7 (5%)	0	100	100
12	L	139/141 (99%)	134 (96%)	4 (3%)	1 (1%)	18	54
12	l	139/141 (99%)	134 (96%)	4 (3%)	1 (1%)	18	54
13	M	116/118 (98%)	113 (97%)	3 (3%)	0	100	100
13	m	116/118 (98%)	114 (98%)	2 (2%)	0	100	100
14	N	108/112 (96%)	107 (99%)	1 (1%)	0	100	100
14	n	108/112 (96%)	104 (96%)	4 (4%)	0	100	100
15	O	129/146 (88%)	125 (97%)	4 (3%)	0	100	100
15	o	129/146 (88%)	122 (95%)	7 (5%)	0	100	100
16	P	114/118 (97%)	112 (98%)	2 (2%)	0	100	100
16	p	114/118 (97%)	114 (100%)	0	0	100	100
17	Q	99/101 (98%)	96 (97%)	3 (3%)	0	100	100
17	q	99/101 (98%)	95 (96%)	4 (4%)	0	100	100
18	R	110/113 (97%)	107 (97%)	3 (3%)	0	100	100
18	r	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
19	S	93/96 (97%)	92 (99%)	1 (1%)	0	100	100
19	s	93/96 (97%)	91 (98%)	2 (2%)	0	100	100
20	T	105/107 (98%)	100 (95%)	5 (5%)	0	100	100
20	t	105/107 (98%)	100 (95%)	5 (5%)	0	100	100
21	U	201/206 (98%)	193 (96%)	7 (4%)	1 (0%)	24	60
21	u	198/206 (96%)	191 (96%)	7 (4%)	0	100	100
22	V	75/78 (96%)	72 (96%)	3 (4%)	0	100	100

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
22	v	75/78 (96%)	73 (97%)	2 (3%)	0	100	100
23	W	95/98 (97%)	93 (98%)	2 (2%)	0	100	100
23	w	95/98 (97%)	94 (99%)	1 (1%)	0	100	100
24	X	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	x	68/72 (94%)	68 (100%)	0	0	100	100
25	Y	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
25	y	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
26	Z	43/71 (61%)	40 (93%)	3 (7%)	0	100	100
26	z	48/71 (68%)	46 (96%)	2 (4%)	0	100	100
27	0	57/60 (95%)	52 (91%)	5 (9%)	0	100	100
27	5	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
28	13	51/54 (94%)	51 (100%)	0	0	100	100
28	6	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
29	2	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
29	7	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
30	3	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
30	8	62/65 (95%)	59 (95%)	3 (5%)	0	100	100
31	4	35/37 (95%)	35 (100%)	0	0	100	100
31	9	35/37 (95%)	35 (100%)	0	0	100	100
All	All	6603/7032 (94%)	6403 (97%)	197 (3%)	3 (0%)	100	100

All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
12	l	59	ARG
12	L	59	ARG
21	U	53	ILE

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	C	214/218 (98%)	200 (94%)	14 (6%)	15	40
3	c	214/218 (98%)	192 (90%)	22 (10%)	7	25
4	D	164/166 (99%)	144 (88%)	20 (12%)	5	21
4	d	164/166 (99%)	140 (85%)	24 (15%)	3	16
5	E	160/166 (96%)	146 (91%)	14 (9%)	9	32
5	e	160/166 (96%)	141 (88%)	19 (12%)	5	21
6	F	144/156 (92%)	129 (90%)	15 (10%)	7	25
6	f	144/156 (92%)	126 (88%)	18 (12%)	4	20
7	G	144/148 (97%)	136 (94%)	8 (6%)	19	43
7	g	144/148 (97%)	133 (92%)	11 (8%)	12	36
8	H	55/124 (44%)	48 (87%)	7 (13%)	4	20
8	h	49/124 (40%)	44 (90%)	5 (10%)	7	25
9	I	119/119 (100%)	105 (88%)	14 (12%)	5	21
9	i	119/119 (100%)	104 (87%)	15 (13%)	4	20
10	J	100/100 (100%)	86 (86%)	14 (14%)	3	17
10	j	100/100 (100%)	88 (88%)	12 (12%)	5	21
11	K	115/116 (99%)	99 (86%)	16 (14%)	3	17
11	k	115/116 (99%)	102 (89%)	13 (11%)	5	22
12	L	111/111 (100%)	99 (89%)	12 (11%)	6	24
12	l	111/111 (100%)	102 (92%)	9 (8%)	11	34
13	M	101/101 (100%)	91 (90%)	10 (10%)	7	27
13	m	101/101 (100%)	91 (90%)	10 (10%)	7	27
14	N	87/88 (99%)	74 (85%)	13 (15%)	3	16
14	n	87/88 (99%)	79 (91%)	8 (9%)	8	30
15	O	115/127 (91%)	100 (87%)	15 (13%)	4	19
15	o	115/127 (91%)	101 (88%)	14 (12%)	5	21
16	P	93/94 (99%)	84 (90%)	9 (10%)	8	27
16	p	93/94 (99%)	85 (91%)	8 (9%)	10	33
17	Q	81/82 (99%)	71 (88%)	10 (12%)	4	20
17	q	81/82 (99%)	67 (83%)	14 (17%)	2	13
18	R	90/92 (98%)	79 (88%)	11 (12%)	5	21
18	r	90/92 (98%)	77 (86%)	13 (14%)	3	17

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
19	S	77/78 (99%)	72 (94%)	5 (6%)	15	40
19	s	77/78 (99%)	71 (92%)	6 (8%)	11	35
20	T	86/88 (98%)	78 (91%)	8 (9%)	8	29
20	t	86/88 (98%)	80 (93%)	6 (7%)	14	38
21	U	169/179 (94%)	155 (92%)	14 (8%)	10	33
21	u	166/179 (93%)	145 (87%)	21 (13%)	4	20
22	V	61/62 (98%)	56 (92%)	5 (8%)	10	34
22	v	61/62 (98%)	57 (93%)	4 (7%)	15	40
23	W	79/83 (95%)	76 (96%)	3 (4%)	29	51
23	w	79/83 (95%)	71 (90%)	8 (10%)	7	26
24	X	65/67 (97%)	58 (89%)	7 (11%)	6	24
24	x	65/67 (97%)	60 (92%)	5 (8%)	12	35
25	Y	51/52 (98%)	46 (90%)	5 (10%)	7	27
25	y	51/52 (98%)	47 (92%)	4 (8%)	11	35
26	Z	39/63 (62%)	37 (95%)	2 (5%)	21	45
26	z	43/63 (68%)	39 (91%)	4 (9%)	8	29
27	0	51/52 (98%)	44 (86%)	7 (14%)	3	17
27	5	51/52 (98%)	46 (90%)	5 (10%)	7	27
28	13	51/52 (98%)	44 (86%)	7 (14%)	3	17
28	6	51/52 (98%)	45 (88%)	6 (12%)	5	21
29	2	41/42 (98%)	39 (95%)	2 (5%)	22	46
29	7	41/42 (98%)	36 (88%)	5 (12%)	5	21
30	3	54/55 (98%)	50 (93%)	4 (7%)	13	36
30	8	54/55 (98%)	52 (96%)	2 (4%)	30	52
31	4	34/34 (100%)	32 (94%)	2 (6%)	18	42
31	9	34/34 (100%)	28 (82%)	6 (18%)	2	12
All	All	5497/5830 (94%)	4927 (90%)	570 (10%)	7	25

5 of 570 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
17	q	39	LEU
18	r	12	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
17	q	26	ASP
21	u	196	VAL
18	R	20	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 50 such sidechains are listed below:

Mol	Chain	Res	Type
8	h	28	ASN
14	n	34	HIS
31	9	20	HIS
9	i	130	HIS
12	l	141	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A	2863/2915 (98%)	695 (24%)	31 (1%)
1	a	2862/2915 (98%)	679 (23%)	0
2	B	119/122 (97%)	14 (11%)	0
2	b	119/122 (97%)	24 (20%)	0
All	All	5963/6074 (98%)	1412 (23%)	31 (0%)

5 of 1412 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	A	7	G
1	A	15	G
1	A	23	G
1	A	31	C
1	A	33	U

5 of 31 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	A	1536	A
1	A	2617	PSU
1	A	1933	PSU
1	A	2769	U
1	A	2450	U

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
1	PSU	a	1933	1	18,21,22	2.37	7 (38%)	21,30,33	1.87	4 (19%)
1	5MC	a	1964	1	19,22,23	1.91	5 (26%)	26,32,35	1.23	3 (11%)
1	PSU	a	2617	1	18,21,22	2.34	7 (38%)	21,30,33	1.93	3 (14%)
1	2MA	a	2515	1,32	22,25,26	1.39	3 (13%)	32,37,40	2.24	9 (28%)
1	5MC	A	1964	1,32	19,22,23	1.91	5 (26%)	26,32,35	1.18	2 (7%)
1	PSU	A	1939	1	18,21,22	2.35	8 (44%)	21,30,33	1.83	3 (14%)
1	2MU	a	2564	1	19,22,24	5.04	14 (73%)	25,31,36	2.51	11 (44%)
1	5MC	a	1984	1	19,22,23	1.98	5 (26%)	26,32,35	1.18	2 (7%)
1	4OC	a	1942	1	19,22,24	1.78	4 (21%)	25,31,35	1.27	5 (20%)
1	5MU	a	1937	1	19,22,23	1.97	7 (36%)	27,32,35	2.23	6 (22%)
1	5MU	A	1937	1	19,22,23	1.99	7 (36%)	27,32,35	2.27	6 (22%)
1	5MC	A	1984	1	19,22,23	1.95	5 (26%)	26,32,35	1.15	1 (3%)
1	PSU	a	1939	1	18,21,22	2.29	7 (38%)	21,30,33	1.94	3 (14%)
1	2MA	A	2515	1,32	22,25,26	1.38	3 (13%)	32,37,40	2.31	9 (28%)
1	5MU	A	1961	1	19,22,23	1.99	7 (36%)	27,32,35	2.30	9 (33%)
1	2MU	A	2564	1,32	19,22,24	5.05	14 (73%)	25,31,36	2.28	10 (40%)
1	PSU	A	1933	1	18,21,22	2.39	9 (50%)	21,30,33	1.85	4 (19%)
1	4OC	A	1942	1	19,22,24	1.79	4 (21%)	25,31,35	1.27	4 (16%)
1	PSU	A	2617	1	18,21,22	2.36	6 (33%)	21,30,33	1.85	4 (19%)
1	5MU	a	1961	1	19,22,23	1.96	7 (36%)	27,32,35	2.34	8 (29%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	a	1933	1	3/3/5/5	5/7/25/26	0/2/2/2
1	5MC	a	1964	1	2/2/5/5	0/7/25/26	0/2/2/2
1	PSU	a	2617	1	3/3/5/5	6/7/25/26	0/2/2/2
1	2MA	a	2515	1,32	1/1/5/5	4/7/25/26	0/3/3/3
1	5MC	A	1964	1,32	2/2/5/5	2/7/25/26	0/2/2/2
1	PSU	A	1939	1	3/3/5/5	4/7/25/26	0/2/2/2
1	2MU	a	2564	1	2/2/5/5	5/9/27/28	0/2/2/2
1	5MC	a	1984	1	2/2/5/5	2/7/25/26	0/2/2/2
1	4OC	a	1942	1	2/2/5/6	3/9/27/30	0/2/2/2
1	5MU	a	1937	1	1/1/5/5	0/7/25/26	0/2/2/2
1	5MU	A	1937	1	1/1/5/5	0/7/25/26	0/2/2/2
1	5MC	A	1984	1	2/2/5/5	2/7/25/26	0/2/2/2
1	PSU	a	1939	1	3/3/5/5	3/7/25/26	0/2/2/2
1	2MA	A	2515	1,32	1/1/5/5	3/7/25/26	0/3/3/3
1	5MU	A	1961	1	1/1/5/5	2/7/25/26	0/2/2/2
1	2MU	A	2564	1,32	2/2/5/5	4/9/27/28	0/2/2/2
1	PSU	A	1933	1	3/3/5/5	5/7/25/26	0/2/2/2
1	4OC	A	1942	1	2/2/5/6	2/9/27/30	0/2/2/2
1	PSU	A	2617	1	3/3/5/5	7/7/25/26	0/2/2/2
1	5MU	a	1961	1	1/1/5/5	5/7/25/26	0/2/2/2

The worst 5 of 134 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	a	2564	2MU	O4-C4	11.29	1.46	1.24
1	A	2564	2MU	O4-C4	11.28	1.46	1.24
1	a	2564	2MU	C2'-C1'	-9.52	1.29	1.53
1	A	2564	2MU	C2'-C1'	-9.49	1.29	1.53
1	A	2564	2MU	C3'-C4'	-9.21	1.29	1.53

The worst 5 of 106 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	2515	2MA	C5-C4-N3	-7.56	119.22	127.18
1	a	2515	2MA	C5-C4-N3	-7.19	119.61	127.18
1	a	1939	PSU	N1-C2-N3	5.88	121.37	115.17
1	a	2617	PSU	N1-C2-N3	5.87	121.36	115.17
1	A	1961	5MU	N3-C2-N1	5.73	122.35	114.89

5 of 40 chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
1	A	1933	PSU	C1'
1	A	1933	PSU	C3'
1	A	1933	PSU	C2'
1	A	1937	5MU	C1'
1	A	1939	PSU	C1'

5 of 64 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	A	1933	PSU	C2'-C1'-C5-C4
1	A	1933	PSU	C2'-C1'-C5-C6
1	A	1933	PSU	O4'-C4'-C5'-O5'
1	A	1939	PSU	C2'-C1'-C5-C4
1	A	1939	PSU	C2'-C1'-C5-C6

There are no ring outliers.

19 monomers are involved in 41 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	a	1933	PSU	2	0
1	a	1964	5MC	2	0
1	a	2617	PSU	3	0
1	a	2515	2MA	1	0
1	A	1964	5MC	1	0
1	A	1939	PSU	3	0
1	a	2564	2MU	8	0
1	a	1984	5MC	1	0
1	a	1942	4OC	1	0
1	A	1937	5MU	1	0
1	A	1984	5MC	1	0
1	a	1939	PSU	2	0
1	A	2515	2MA	1	0
1	A	1961	5MU	2	0
1	A	2564	2MU	4	0
1	A	1933	PSU	1	0
1	A	1942	4OC	2	0
1	A	2617	PSU	2	0
1	a	1961	5MU	3	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 3817 ligands modelled in this entry, 3817 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

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	A	2861/2915 (98%)	-1.54	0 100 100	28, 68, 248, 600	0
1	a	2861/2915 (98%)	-1.53	0 100 100	26, 68, 245, 534	0
2	B	120/122 (98%)	-1.54	0 100 100	45, 103, 164, 217	0
2	b	120/122 (98%)	-1.52	0 100 100	55, 106, 173, 207	0
3	C	275/276 (99%)	-1.24	0 100 100	23, 51, 109, 136	0
3	c	275/276 (99%)	-1.27	0 100 100	26, 50, 111, 144	0
4	D	204/206 (99%)	-1.28	0 100 100	17, 44, 93, 144	0
4	d	204/206 (99%)	-1.23	0 100 100	10, 44, 95, 125	0
5	E	203/210 (96%)	-1.25	0 100 100	17, 62, 126, 155	0
5	e	203/210 (96%)	-1.27	0 100 100	23, 62, 118, 159	0
6	F	181/182 (99%)	-1.14	0 100 100	68, 132, 204, 233	0
6	f	181/182 (99%)	-1.17	0 100 100	71, 154, 216, 260	0
7	G	174/180 (96%)	-1.29	0 100 100	23, 76, 131, 204	0
7	g	174/180 (96%)	-1.29	0 100 100	35, 74, 124, 161	0
8	H	73/148 (49%)	-1.32	0 100 100	74, 112, 194, 314	0
8	h	62/148 (41%)	-1.32	0 100 100	68, 104, 182, 266	0
9	I	140/140 (100%)	-1.29	0 100 100	12, 49, 105, 143	0
9	i	140/140 (100%)	-1.31	0 100 100	22, 49, 109, 160	0
10	J	122/122 (100%)	-1.35	0 100 100	10, 35, 87, 126	0
10	j	122/122 (100%)	-1.26	0 100 100	21, 45, 92, 139	0
11	K	149/150 (99%)	-1.22	0 100 100	29, 59, 119, 148	0
11	k	149/150 (99%)	-1.26	0 100 100	11, 60, 127, 173	0
12	L	141/141 (100%)	-1.24	0 100 100	14, 61, 116, 148	0
12	l	141/141 (100%)	-1.24	0 100 100	12, 47, 116, 161	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	M	118/118 (100%)	-1.26	0 100 100	14, 44, 86, 108	0
13	m	118/118 (100%)	-1.23	0 100 100	13, 44, 110, 148	0
14	N	110/112 (98%)	-1.24	0 100 100	39, 86, 141, 194	0
14	n	110/112 (98%)	-1.27	0 100 100	36, 78, 124, 193	0
15	O	131/146 (89%)	-1.35	0 100 100	25, 53, 106, 135	0
15	o	131/146 (89%)	-1.38	0 100 100	17, 40, 93, 166	0
16	P	116/118 (98%)	-1.31	0 100 100	22, 48, 100, 115	0
16	p	116/118 (98%)	-1.27	0 100 100	6, 44, 92, 109	0
17	Q	101/101 (100%)	-1.32	0 100 100	42, 56, 106, 142	0
17	q	101/101 (100%)	-1.33	0 100 100	13, 53, 102, 150	0
18	R	112/113 (99%)	-1.31	0 100 100	20, 49, 101, 136	0
18	r	112/113 (99%)	-1.30	0 100 100	22, 49, 108, 147	0
19	S	95/96 (98%)	-1.27	0 100 100	19, 54, 108, 160	0
19	s	95/96 (98%)	-1.24	0 100 100	22, 50, 117, 151	0
20	T	107/107 (100%)	-1.32	0 100 100	32, 93, 152, 204	0
20	t	107/107 (100%)	-1.28	0 100 100	41, 84, 158, 221	0
21	U	203/206 (98%)	-1.32	0 100 100	33, 72, 128, 170	0
21	u	200/206 (97%)	-1.29	0 100 100	26, 83, 151, 203	0
22	V	77/78 (98%)	-1.21	0 100 100	26, 64, 113, 153	0
22	v	77/78 (98%)	-1.22	0 100 100	26, 70, 132, 142	0
23	W	97/98 (98%)	-1.27	0 100 100	23, 63, 132, 156	0
23	w	97/98 (98%)	-1.31	0 100 100	13, 47, 101, 130	0
24	X	70/72 (97%)	-1.38	0 100 100	30, 59, 118, 133	0
24	x	70/72 (97%)	-1.28	0 100 100	31, 66, 130, 153	0
25	Y	59/60 (98%)	-1.32	0 100 100	21, 72, 160, 249	0
25	y	59/60 (98%)	-1.30	0 100 100	18, 60, 154, 171	0
26	Z	45/71 (63%)	-1.24	0 100 100	89, 181, 265, 271	0
26	z	50/71 (70%)	-1.27	0 100 100	85, 195, 265, 300	0
27	0	59/60 (98%)	-1.27	0 100 100	11, 40, 99, 129	0
27	5	59/60 (98%)	-1.26	0 100 100	20, 53, 98, 121	0
28	13	53/54 (98%)	-1.32	0 100 100	44, 63, 135, 159	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	6	53/54 (98%)	-1.36	0 100 100	33, 74, 126, 168	0
29	2	48/49 (97%)	-1.19	0 100 100	25, 49, 89, 120	0
29	7	48/49 (97%)	-1.25	0 100 100	16, 47, 88, 130	0
30	3	64/65 (98%)	-1.27	0 100 100	24, 57, 118, 160	0
30	8	64/65 (98%)	-1.23	0 100 100	30, 59, 114, 145	0
31	4	37/37 (100%)	-1.24	0 100 100	48, 77, 133, 197	0
31	9	37/37 (100%)	-1.22	0 100 100	12, 61, 126, 131	0
All	All	12681/13106 (96%)	-1.40	0 100 100	6, 66, 178, 600	0

There are no RSRZ outliers to report.

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
1	PSU	A	1939	20/21	0.96	0.06	229,236,241,242	0
1	PSU	a	1933	20/21	0.97	0.04	184,187,194,200	0
1	4OC	A	1942	21/23	0.98	0.04	230,234,236,236	0
1	5MU	A	1937	21/22	0.98	0.05	196,197,197,198	0
1	5MU	a	1937	21/22	0.98	0.05	236,245,248,249	0
1	PSU	a	1939	20/21	0.98	0.03	199,210,212,213	0
1	4OC	a	1942	21/23	0.98	0.04	218,221,227,227	0
1	2MA	A	2515	23/24	0.99	0.04	43,43,44,44	0
1	2MU	A	2564	21/23	0.99	0.04	41,41,41,41	0
1	PSU	A	2617	20/21	0.99	0.05	52,56,57,57	0
1	PSU	A	1933	20/21	0.99	0.04	164,166,170,176	0
1	5MU	A	1961	21/22	0.99	0.04	34,35,36,39	0
1	5MC	A	1964	21/22	0.99	0.04	62,70,72,72	0
1	5MC	A	1984	21/22	0.99	0.04	57,62,64,81	0
1	5MU	a	1961	21/22	0.99	0.05	45,46,47,47	0
1	5MC	a	1964	21/22	0.99	0.04	62,63,65,65	0
1	5MC	a	1984	21/22	0.99	0.03	65,73,76,78	0
1	2MA	a	2515	23/24	0.99	0.04	37,37,38,38	0
1	2MU	a	2564	21/23	0.99	0.04	56,64,66,66	0
1	PSU	a	2617	20/21	0.99	0.04	38,38,39,40	0

6.3 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

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($\text{\AA}^2$)	Q<0.9
32	MG	a	4392	1/1	0.60	0.01	25,25,25,25	0
32	MG	A	3661	1/1	0.77	0.12	8,8,8,8	0
32	MG	A	3706	1/1	0.85	0.07	95,95,95,95	0
32	MG	A	4067	1/1	0.88	0.06	29,29,29,29	0
32	MG	A	3790	1/1	0.91	0.05	2,2,2,2	0
32	MG	a	4379	1/1	0.92	0.02	26,26,26,26	0
32	MG	A	3849	1/1	0.92	0.03	10,10,10,10	0
32	MG	a	4607	1/1	0.92	0.16	27,27,27,27	0
32	MG	e	312	1/1	0.92	0.14	21,21,21,21	0
32	MG	c	325	1/1	0.93	0.03	27,27,27,27	0
32	MG	d	319	1/1	0.93	0.06	95,95,95,95	0
32	MG	A	3739	1/1	0.93	0.05	4,4,4,4	0
32	MG	h	209	1/1	0.93	0.05	174,174,174,174	0
32	MG	a	4037	1/1	0.94	0.17	3,3,3,3	0
32	MG	a	4125	1/1	0.94	0.05	9,9,9,9	0
32	MG	a	4373	1/1	0.94	0.03	25,25,25,25	0
32	MG	a	4375	1/1	0.94	0.04	21,21,21,21	0
32	MG	A	3756	1/1	0.94	0.06	44,44,44,44	0
32	MG	A	3859	1/1	0.94	0.04	0,0,0,0	0
32	MG	a	4541	1/1	0.94	0.04	30,30,30,30	0
32	MG	A	3815	1/1	0.94	0.06	13,13,13,13	0
32	MG	A	4089	1/1	0.94	0.06	26,26,26,26	0
32	MG	A	4176	1/1	0.94	0.01	21,21,21,21	0
32	MG	A	4380	1/1	0.94	0.07	30,30,30,30	0
32	MG	a	3725	1/1	0.94	0.12	83,83,83,83	0
32	MG	a	3973	1/1	0.95	0.12	8,8,8,8	0
32	MG	a	4013	1/1	0.95	0.08	95,95,95,95	0
32	MG	A	3786	1/1	0.95	0.02	2,2,2,2	0
32	MG	a	4058	1/1	0.95	0.04	19,19,19,19	0
32	MG	A	3697	1/1	0.95	0.05	95,95,95,95	0
32	MG	a	4132	1/1	0.95	0.06	12,12,12,12	0
32	MG	A	3754	1/1	0.95	0.05	20,20,20,20	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4334	1/1	0.95	0.02	26,26,26,26	0
32	MG	A	3755	1/1	0.95	0.04	49,49,49,49	0
32	MG	T	510	1/1	0.95	0.03	28,28,28,28	0
32	MG	a	3330	1/1	0.95	0.11	104,104,104,104	0
32	MG	A	3733	1/1	0.95	0.07	7,7,7,7	0
32	MG	b	220	1/1	0.95	0.04	30,30,30,30	0
32	MG	a	3879	1/1	0.95	0.12	95,95,95,95	0
32	MG	a	3895	1/1	0.95	0.07	0,0,0,0	0
32	MG	a	3899	1/1	0.95	0.07	5,5,5,5	0
32	MG	a	3906	1/1	0.95	0.13	1,1,1,1	0
32	MG	m	213	1/1	0.95	0.04	29,29,29,29	0
32	MG	K	221	1/1	0.96	0.03	18,18,18,18	0
32	MG	L	209	1/1	0.96	0.05	25,25,25,25	0
32	MG	P	205	1/1	0.96	0.04	95,95,95,95	0
32	MG	A	3696	1/1	0.96	0.06	6,6,6,6	0
32	MG	U	307	1/1	0.96	0.03	23,23,23,23	0
32	MG	A	3868	1/1	0.96	0.07	50,50,50,50	0
32	MG	a	3350	1/1	0.96	0.06	96,96,96,96	0
32	MG	A	3881	1/1	0.96	0.03	95,95,95,95	0
32	MG	A	3988	1/1	0.96	0.03	23,23,23,23	0
32	MG	a	3887	1/1	0.96	0.18	74,74,74,74	0
32	MG	a	3892	1/1	0.96	0.07	3,3,3,3	0
32	MG	A	4023	1/1	0.96	0.04	15,15,15,15	0
32	MG	A	4031	1/1	0.96	0.04	24,24,24,24	0
32	MG	a	3902	1/1	0.96	0.21	75,75,75,75	0
32	MG	A	3792	1/1	0.96	0.04	7,7,7,7	0
32	MG	a	3922	1/1	0.96	0.04	6,6,6,6	0
32	MG	a	3924	1/1	0.96	0.06	95,95,95,95	0
32	MG	a	3949	1/1	0.96	0.04	95,95,95,95	0
32	MG	A	4082	1/1	0.96	0.07	28,28,28,28	0
32	MG	a	3975	1/1	0.96	0.06	17,17,17,17	0
32	MG	A	3810	1/1	0.96	0.09	251,251,251,251	0
32	MG	A	4156	1/1	0.96	0.03	30,30,30,30	0
32	MG	A	3621	1/1	0.96	0.07	32,32,32,32	0
32	MG	A	4233	1/1	0.96	0.09	31,31,31,31	0
32	MG	A	4246	1/1	0.96	0.09	26,26,26,26	0
32	MG	a	4175	1/1	0.96	0.06	95,95,95,95	0
32	MG	a	4269	1/1	0.96	0.01	26,26,26,26	0
32	MG	a	4286	1/1	0.96	0.04	31,31,31,31	0
32	MG	a	4353	1/1	0.96	0.04	21,21,21,21	0
32	MG	A	4264	1/1	0.96	0.04	26,26,26,26	0
32	MG	A	4267	1/1	0.96	0.10	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4274	1/1	0.96	0.04	27,27,27,27	0
32	MG	A	4285	1/1	0.96	0.03	24,24,24,24	0
32	MG	a	4499	1/1	0.96	0.03	31,31,31,31	0
32	MG	a	4509	1/1	0.96	0.04	23,23,23,23	0
32	MG	A	4319	1/1	0.96	0.05	29,29,29,29	0
32	MG	a	4564	1/1	0.96	0.03	26,26,26,26	0
32	MG	a	4574	1/1	0.96	0.04	28,28,28,28	0
32	MG	a	4599	1/1	0.96	0.03	27,27,27,27	0
32	MG	A	3836	1/1	0.96	0.05	64,64,64,64	0
32	MG	a	4614	1/1	0.96	0.03	33,33,33,33	0
32	MG	b	217	1/1	0.96	0.03	45,45,45,45	0
32	MG	A	3685	1/1	0.96	0.07	40,40,40,40	0
32	MG	C	338	1/1	0.96	0.03	29,29,29,29	0
32	MG	C	344	1/1	0.96	0.03	25,25,25,25	0
32	MG	F	204	1/1	0.96	0.01	20,20,20,20	0
32	MG	e	325	1/1	0.96	0.03	34,34,34,34	0
32	MG	e	337	1/1	0.96	0.02	24,24,24,24	0
32	MG	g	208	1/1	0.96	0.02	26,26,26,26	0
32	MG	J	203	1/1	0.96	0.04	57,57,57,57	0
32	MG	i	219	1/1	0.96	0.03	26,26,26,26	0
32	MG	j	217	1/1	0.96	0.07	95,95,95,95	0
32	MG	K	214	1/1	0.96	0.04	95,95,95,95	0
32	MG	n	207	1/1	0.96	0.03	30,30,30,30	0
32	MG	p	212	1/1	0.96	0.09	95,95,95,95	0
32	MG	r	228	1/1	0.96	0.03	28,28,28,28	0
32	MG	u	320	1/1	0.96	0.04	95,95,95,95	0
32	MG	v	110	1/1	0.96	0.03	26,26,26,26	0
32	MG	x	108	1/1	0.96	0.02	50,50,50,50	0
32	MG	7	106	1/1	0.96	0.06	28,28,28,28	0
32	MG	9	104	1/1	0.96	0.02	11,11,11,11	0
32	MG	Q	208	1/1	0.97	0.02	30,30,30,30	0
32	MG	Q	210	1/1	0.97	0.02	27,27,27,27	0
32	MG	R	218	1/1	0.97	0.05	27,27,27,27	0
32	MG	S	104	1/1	0.97	0.09	95,95,95,95	0
32	MG	A	3941	1/1	0.97	0.03	30,30,30,30	0
32	MG	A	3956	1/1	0.97	0.05	95,95,95,95	0
32	MG	W	110	1/1	0.97	0.11	69,69,69,69	0
32	MG	X	108	1/1	0.97	0.03	95,95,95,95	0
32	MG	X	109	1/1	0.97	0.06	95,95,95,95	0
32	MG	Y	101	1/1	0.97	0.09	14,14,14,14	0
32	MG	0	105	1/1	0.97	0.04	29,29,29,29	0
32	MG	a	3275	1/1	0.97	0.05	92,92,92,92	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3662	1/1	0.97	0.05	95,95,95,95	0
32	MG	A	3993	1/1	0.97	0.05	22,22,22,22	0
32	MG	A	3995	1/1	0.97	0.04	21,21,21,21	0
32	MG	a	3726	1/1	0.97	0.03	93,93,93,93	0
32	MG	a	3810	1/1	0.97	0.03	9,9,9,9	0
32	MG	A	4005	1/1	0.97	0.04	15,15,15,15	0
32	MG	A	3681	1/1	0.97	0.11	95,95,95,95	0
32	MG	A	3762	1/1	0.97	0.07	12,12,12,12	0
32	MG	A	4049	1/1	0.97	0.03	21,21,21,21	0
32	MG	A	3602	1/1	0.97	0.04	96,96,96,96	0
32	MG	A	4073	1/1	0.97	0.06	30,30,30,30	0
32	MG	a	3903	1/1	0.97	0.05	12,12,12,12	0
32	MG	A	3609	1/1	0.97	0.05	2,2,2,2	0
32	MG	A	4084	1/1	0.97	0.02	23,23,23,23	0
32	MG	A	3504	1/1	0.97	0.18	99,99,99,99	0
32	MG	a	3934	1/1	0.97	0.07	14,14,14,14	0
32	MG	a	3947	1/1	0.97	0.05	31,31,31,31	0
32	MG	A	4105	1/1	0.97	0.07	27,27,27,27	0
32	MG	a	3950	1/1	0.97	0.06	34,34,34,34	0
32	MG	a	3957	1/1	0.97	0.10	87,87,87,87	0
32	MG	a	3964	1/1	0.97	0.04	95,95,95,95	0
32	MG	A	4127	1/1	0.97	0.03	14,14,14,14	0
32	MG	A	4130	1/1	0.97	0.03	25,25,25,25	0
32	MG	a	3980	1/1	0.97	0.04	0,0,0,0	0
32	MG	a	3984	1/1	0.97	0.03	0,0,0,0	0
32	MG	a	3990	1/1	0.97	0.05	95,95,95,95	0
32	MG	A	4144	1/1	0.97	0.03	27,27,27,27	0
32	MG	a	4020	1/1	0.97	0.05	43,43,43,43	0
32	MG	a	4024	1/1	0.97	0.06	19,19,19,19	0
32	MG	A	4148	1/1	0.97	0.02	27,27,27,27	0
32	MG	a	4055	1/1	0.97	0.06	14,14,14,14	0
32	MG	A	4151	1/1	0.97	0.03	29,29,29,29	0
32	MG	a	4085	1/1	0.97	0.08	30,30,30,30	0
32	MG	a	4107	1/1	0.97	0.07	95,95,95,95	0
32	MG	A	3803	1/1	0.97	0.05	10,10,10,10	0
32	MG	A	4169	1/1	0.97	0.01	23,23,23,23	0
32	MG	a	4135	1/1	0.97	0.07	1,1,1,1	0
32	MG	a	4138	1/1	0.97	0.06	95,95,95,95	0
32	MG	a	4142	1/1	0.97	0.12	8,8,8,8	0
32	MG	a	4149	1/1	0.97	0.10	43,43,43,43	0
32	MG	a	4153	1/1	0.97	0.08	34,34,34,34	0
32	MG	A	3806	1/1	0.97	0.02	7,7,7,7	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4180	1/1	0.97	0.04	95,95,95,95	0
32	MG	a	4192	1/1	0.97	0.03	26,26,26,26	0
32	MG	a	4197	1/1	0.97	0.05	2,2,2,2	0
32	MG	a	4214	1/1	0.97	0.07	8,8,8,8	0
32	MG	a	4225	1/1	0.97	0.04	62,62,62,62	0
32	MG	a	4235	1/1	0.97	0.04	60,60,60,60	0
32	MG	a	4246	1/1	0.97	0.05	95,95,95,95	0
32	MG	A	4182	1/1	0.97	0.03	26,26,26,26	0
32	MG	a	4284	1/1	0.97	0.03	21,21,21,21	0
32	MG	A	4211	1/1	0.97	0.06	25,25,25,25	0
32	MG	a	4313	1/1	0.97	0.08	24,24,24,24	0
32	MG	A	3633	1/1	0.97	0.21	88,88,88,88	0
32	MG	a	4357	1/1	0.97	0.03	28,28,28,28	0
32	MG	A	4238	1/1	0.97	0.07	32,32,32,32	0
32	MG	A	3638	1/1	0.97	0.05	14,14,14,14	0
32	MG	A	4263	1/1	0.97	0.07	28,28,28,28	0
32	MG	A	3822	1/1	0.97	0.03	11,11,11,11	0
32	MG	a	4394	1/1	0.97	0.04	24,24,24,24	0
32	MG	a	4396	1/1	0.97	0.02	33,33,33,33	0
32	MG	a	4400	1/1	0.97	0.02	28,28,28,28	0
32	MG	a	4401	1/1	0.97	0.02	25,25,25,25	0
32	MG	a	4406	1/1	0.97	0.03	24,24,24,24	0
32	MG	a	4407	1/1	0.97	0.03	25,25,25,25	0
32	MG	a	4418	1/1	0.97	0.04	29,29,29,29	0
32	MG	a	4427	1/1	0.97	0.03	27,27,27,27	0
32	MG	a	4435	1/1	0.97	0.04	21,21,21,21	0
32	MG	a	4438	1/1	0.97	0.04	31,31,31,31	0
32	MG	a	4454	1/1	0.97	0.05	26,26,26,26	0
32	MG	a	4456	1/1	0.97	0.03	24,24,24,24	0
32	MG	a	4459	1/1	0.97	0.04	30,30,30,30	0
32	MG	A	3830	1/1	0.97	0.04	32,32,32,32	0
32	MG	A	3652	1/1	0.97	0.11	95,95,95,95	0
32	MG	A	3848	1/1	0.97	0.07	48,48,48,48	0
32	MG	a	4551	1/1	0.97	0.02	31,31,31,31	0
32	MG	A	4291	1/1	0.97	0.03	23,23,23,23	0
32	MG	a	4572	1/1	0.97	0.01	31,31,31,31	0
32	MG	A	4302	1/1	0.97	0.06	16,16,16,16	0
32	MG	a	4577	1/1	0.97	0.03	29,29,29,29	0
32	MG	a	4593	1/1	0.97	0.03	28,28,28,28	0
32	MG	a	4596	1/1	0.97	0.02	32,32,32,32	0
32	MG	A	3743	1/1	0.97	0.04	8,8,8,8	0
32	MG	A	3853	1/1	0.97	0.05	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4353	1/1	0.97	0.04	27,27,27,27	0
32	MG	A	4361	1/1	0.97	0.02	23,23,23,23	0
32	MG	A	4362	1/1	0.97	0.02	28,28,28,28	0
32	MG	c	317	1/1	0.97	0.06	1,1,1,1	0
32	MG	c	320	1/1	0.97	0.06	52,52,52,52	0
32	MG	A	4379	1/1	0.97	0.08	30,30,30,30	0
32	MG	A	3746	1/1	0.97	0.05	6,6,6,6	0
32	MG	B	228	1/1	0.97	0.02	18,18,18,18	0
32	MG	B	231	1/1	0.97	0.04	70,70,70,70	0
32	MG	e	330	1/1	0.97	0.03	28,28,28,28	0
32	MG	B	232	1/1	0.97	0.08	0,0,0,0	0
32	MG	B	234	1/1	0.97	0.05	95,95,95,95	0
32	MG	g	209	1/1	0.97	0.06	25,25,25,25	0
32	MG	C	332	1/1	0.97	0.02	28,28,28,28	0
32	MG	h	218	1/1	0.97	0.02	25,25,25,25	0
32	MG	i	207	1/1	0.97	0.03	45,45,45,45	0
32	MG	A	3747	1/1	0.97	0.04	17,17,17,17	0
32	MG	i	226	1/1	0.97	0.03	21,21,21,21	0
32	MG	A	3872	1/1	0.97	0.04	95,95,95,95	0
32	MG	A	3601	1/1	0.97	0.02	5,5,5,5	0
32	MG	m	214	1/1	0.97	0.02	27,27,27,27	0
32	MG	H	206	1/1	0.97	0.04	24,24,24,24	0
32	MG	o	217	1/1	0.97	0.06	56,56,56,56	0
32	MG	o	219	1/1	0.97	0.05	95,95,95,95	0
32	MG	o	222	1/1	0.97	0.05	31,31,31,31	0
32	MG	o	224	1/1	0.97	0.02	32,32,32,32	0
32	MG	o	229	1/1	0.97	0.02	26,26,26,26	0
32	MG	A	3894	1/1	0.97	0.03	95,95,95,95	0
32	MG	q	223	1/1	0.97	0.02	22,22,22,22	0
32	MG	r	212	1/1	0.97	0.05	2,2,2,2	0
32	MG	r	213	1/1	0.97	0.05	0,0,0,0	0
32	MG	A	3896	1/1	0.97	0.07	95,95,95,95	0
32	MG	A	3913	1/1	0.97	0.04	95,95,95,95	0
32	MG	A	3928	1/1	0.97	0.04	46,46,46,46	0
32	MG	M	204	1/1	0.97	0.11	95,95,95,95	0
32	MG	O	204	1/1	0.97	0.04	95,95,95,95	0
32	MG	8	110	1/1	0.97	0.05	30,30,30,30	0
32	MG	A	3934	1/1	0.97	0.05	21,21,21,21	0
32	MG	A	4321	1/1	0.98	0.04	22,22,22,22	0
32	MG	A	4324	1/1	0.98	0.03	23,23,23,23	0
32	MG	A	4326	1/1	0.98	0.02	24,24,24,24	0
32	MG	A	4327	1/1	0.98	0.02	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4331	1/1	0.98	0.02	32,32,32,32	0
32	MG	A	4333	1/1	0.98	0.02	22,22,22,22	0
32	MG	A	3693	1/1	0.98	0.04	8,8,8,8	0
32	MG	A	4340	1/1	0.98	0.02	30,30,30,30	0
32	MG	A	4341	1/1	0.98	0.02	26,26,26,26	0
32	MG	A	4344	1/1	0.98	0.04	28,28,28,28	0
32	MG	A	4346	1/1	0.98	0.04	28,28,28,28	0
32	MG	A	4351	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	3827	1/1	0.98	0.06	11,11,11,11	0
32	MG	A	4355	1/1	0.98	0.02	27,27,27,27	0
32	MG	A	4356	1/1	0.98	0.02	26,26,26,26	0
32	MG	A	4357	1/1	0.98	0.03	30,30,30,30	0
32	MG	A	3829	1/1	0.98	0.02	3,3,3,3	0
32	MG	A	3694	1/1	0.98	0.09	7,7,7,7	0
32	MG	A	4376	1/1	0.98	0.06	30,30,30,30	0
32	MG	A	4377	1/1	0.98	0.03	30,30,30,30	0
32	MG	A	4378	1/1	0.98	0.04	30,30,30,30	0
32	MG	A	3632	1/1	0.98	0.07	23,23,23,23	0
32	MG	A	3264	1/1	0.98	0.05	64,64,64,64	0
32	MG	A	3699	1/1	0.98	0.05	42,42,42,42	0
32	MG	B	230	1/1	0.98	0.03	11,11,11,11	0
32	MG	A	3852	1/1	0.98	0.10	14,14,14,14	0
32	MG	A	3701	1/1	0.98	0.07	95,95,95,95	0
32	MG	B	233	1/1	0.98	0.03	57,57,57,57	0
32	MG	A	3702	1/1	0.98	0.06	5,5,5,5	0
32	MG	C	318	1/1	0.98	0.01	1,1,1,1	0
32	MG	C	319	1/1	0.98	0.04	95,95,95,95	0
32	MG	C	320	1/1	0.98	0.04	36,36,36,36	0
32	MG	C	322	1/1	0.98	0.02	33,33,33,33	0
32	MG	C	323	1/1	0.98	0.04	23,23,23,23	0
32	MG	A	3861	1/1	0.98	0.03	1,1,1,1	0
32	MG	C	333	1/1	0.98	0.02	32,32,32,32	0
32	MG	C	335	1/1	0.98	0.05	27,27,27,27	0
32	MG	A	3865	1/1	0.98	0.05	1,1,1,1	0
32	MG	C	339	1/1	0.98	0.02	24,24,24,24	0
32	MG	A	3866	1/1	0.98	0.05	12,12,12,12	0
32	MG	D	306	1/1	0.98	0.14	95,95,95,95	0
32	MG	E	311	1/1	0.98	0.05	95,95,95,95	0
32	MG	E	314	1/1	0.98	0.03	95,95,95,95	0
32	MG	E	316	1/1	0.98	0.03	2,2,2,2	0
32	MG	E	318	1/1	0.98	0.08	95,95,95,95	0
32	MG	E	324	1/1	0.98	0.03	20,20,20,20	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	E	325	1/1	0.98	0.02	26,26,26,26	0
32	MG	A	3703	1/1	0.98	0.04	37,37,37,37	0
32	MG	F	205	1/1	0.98	0.02	21,21,21,21	0
32	MG	A	3704	1/1	0.98	0.05	11,11,11,11	0
32	MG	H	208	1/1	0.98	0.03	36,36,36,36	0
32	MG	I	209	1/1	0.98	0.08	95,95,95,95	0
32	MG	A	3880	1/1	0.98	0.02	3,3,3,3	0
32	MG	J	205	1/1	0.98	0.03	23,23,23,23	0
32	MG	J	206	1/1	0.98	0.03	15,15,15,15	0
32	MG	K	209	1/1	0.98	0.03	6,6,6,6	0
32	MG	K	210	1/1	0.98	0.02	14,14,14,14	0
32	MG	K	213	1/1	0.98	0.03	95,95,95,95	0
32	MG	A	3705	1/1	0.98	0.04	12,12,12,12	0
32	MG	K	215	1/1	0.98	0.03	95,95,95,95	0
32	MG	A	3889	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	3893	1/1	0.98	0.03	17,17,17,17	0
32	MG	M	203	1/1	0.98	0.07	3,3,3,3	0
32	MG	A	3493	1/1	0.98	0.06	66,66,66,66	0
32	MG	A	3713	1/1	0.98	0.04	39,39,39,39	0
32	MG	O	209	1/1	0.98	0.02	95,95,95,95	0
32	MG	P	204	1/1	0.98	0.05	95,95,95,95	0
32	MG	A	3898	1/1	0.98	0.06	9,9,9,9	0
32	MG	A	3899	1/1	0.98	0.03	7,7,7,7	0
32	MG	A	3903	1/1	0.98	0.04	2,2,2,2	0
32	MG	R	207	1/1	0.98	0.02	5,5,5,5	0
32	MG	R	209	1/1	0.98	0.04	95,95,95,95	0
32	MG	R	213	1/1	0.98	0.02	23,23,23,23	0
32	MG	R	215	1/1	0.98	0.03	23,23,23,23	0
32	MG	A	3908	1/1	0.98	0.03	44,44,44,44	0
32	MG	A	3911	1/1	0.98	0.02	37,37,37,37	0
32	MG	T	508	1/1	0.98	0.03	95,95,95,95	0
32	MG	A	3912	1/1	0.98	0.02	95,95,95,95	0
32	MG	T	514	1/1	0.98	0.02	20,20,20,20	0
32	MG	T	515	1/1	0.98	0.02	25,25,25,25	0
32	MG	T	517	1/1	0.98	0.04	27,27,27,27	0
32	MG	A	3717	1/1	0.98	0.06	6,6,6,6	0
32	MG	U	309	1/1	0.98	0.03	27,27,27,27	0
32	MG	V	105	1/1	0.98	0.04	30,30,30,30	0
32	MG	A	3915	1/1	0.98	0.03	130,130,130,130	0
32	MG	W	112	1/1	0.98	0.06	4,4,4,4	0
32	MG	X	107	1/1	0.98	0.03	95,95,95,95	0
32	MG	A	3917	1/1	0.98	0.02	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3918	1/1	0.98	0.02	2,2,2,2	0
32	MG	X	112	1/1	0.98	0.03	30,30,30,30	0
32	MG	X	114	1/1	0.98	0.03	27,27,27,27	0
32	MG	A	3919	1/1	0.98	0.03	17,17,17,17	0
32	MG	0	103	1/1	0.98	0.09	95,95,95,95	0
32	MG	A	3722	1/1	0.98	0.01	10,10,10,10	0
32	MG	2	106	1/1	0.98	0.11	25,25,25,25	0
32	MG	2	108	1/1	0.98	0.05	31,31,31,31	0
32	MG	a	3181	1/1	0.98	0.03	107,107,107,107	0
32	MG	a	3226	1/1	0.98	0.07	63,63,63,63	0
32	MG	A	3929	1/1	0.98	0.02	0,0,0,0	0
32	MG	a	3303	1/1	0.98	0.02	31,31,31,31	0
32	MG	a	3308	1/1	0.98	0.06	79,79,79,79	0
32	MG	A	3932	1/1	0.98	0.08	0,0,0,0	0
32	MG	A	3933	1/1	0.98	0.04	6,6,6,6	0
32	MG	a	3479	1/1	0.98	0.05	79,79,79,79	0
32	MG	a	3532	1/1	0.98	0.04	62,62,62,62	0
32	MG	a	3542	1/1	0.98	0.07	56,56,56,56	0
32	MG	a	3714	1/1	0.98	0.07	76,76,76,76	0
32	MG	A	3723	1/1	0.98	0.06	95,95,95,95	0
32	MG	A	3940	1/1	0.98	0.08	70,70,70,70	0
32	MG	a	3804	1/1	0.98	0.09	10,10,10,10	0
32	MG	a	3806	1/1	0.98	0.04	7,7,7,7	0
32	MG	A	3728	1/1	0.98	0.03	3,3,3,3	0
32	MG	a	3814	1/1	0.98	0.16	16,16,16,16	0
32	MG	a	3816	1/1	0.98	0.09	95,95,95,95	0
32	MG	a	3821	1/1	0.98	0.04	2,2,2,2	0
32	MG	a	3823	1/1	0.98	0.04	38,38,38,38	0
32	MG	a	3824	1/1	0.98	0.08	15,15,15,15	0
32	MG	a	3829	1/1	0.98	0.05	10,10,10,10	0
32	MG	a	3841	1/1	0.98	0.04	2,2,2,2	0
32	MG	a	3854	1/1	0.98	0.12	95,95,95,95	0
32	MG	a	3858	1/1	0.98	0.03	39,39,39,39	0
32	MG	a	3869	1/1	0.98	0.07	2,2,2,2	0
32	MG	a	3871	1/1	0.98	0.06	10,10,10,10	0
32	MG	a	3876	1/1	0.98	0.04	7,7,7,7	0
32	MG	a	3877	1/1	0.98	0.08	7,7,7,7	0
32	MG	A	3943	1/1	0.98	0.11	95,95,95,95	0
32	MG	a	3881	1/1	0.98	0.06	52,52,52,52	0
32	MG	a	3882	1/1	0.98	0.09	95,95,95,95	0
32	MG	A	3946	1/1	0.98	0.04	16,16,16,16	0
32	MG	a	3890	1/1	0.98	0.03	0,0,0,0	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3947	1/1	0.98	0.07	95,95,95,95	0
32	MG	a	3894	1/1	0.98	0.08	11,11,11,11	0
32	MG	A	3949	1/1	0.98	0.06	95,95,95,95	0
32	MG	a	3896	1/1	0.98	0.05	1,1,1,1	0
32	MG	A	3951	1/1	0.98	0.05	24,24,24,24	0
32	MG	a	3901	1/1	0.98	0.07	57,57,57,57	0
32	MG	A	3731	1/1	0.98	0.06	95,95,95,95	0
32	MG	A	3957	1/1	0.98	0.04	49,49,49,49	0
32	MG	A	3958	1/1	0.98	0.04	10,10,10,10	0
32	MG	a	3909	1/1	0.98	0.05	39,39,39,39	0
32	MG	a	3913	1/1	0.98	0.10	29,29,29,29	0
32	MG	A	3959	1/1	0.98	0.02	8,8,8,8	0
32	MG	a	3923	1/1	0.98	0.09	10,10,10,10	0
32	MG	A	3961	1/1	0.98	0.08	95,95,95,95	0
32	MG	A	3971	1/1	0.98	0.09	8,8,8,8	0
32	MG	a	3938	1/1	0.98	0.12	31,31,31,31	0
32	MG	a	3940	1/1	0.98	0.04	25,25,25,25	0
32	MG	a	3941	1/1	0.98	0.06	95,95,95,95	0
32	MG	a	3944	1/1	0.98	0.04	10,10,10,10	0
32	MG	A	3987	1/1	0.98	0.03	27,27,27,27	0
32	MG	A	3639	1/1	0.98	0.07	19,19,19,19	0
32	MG	A	3989	1/1	0.98	0.03	20,20,20,20	0
32	MG	a	3956	1/1	0.98	0.02	12,12,12,12	0
32	MG	A	3991	1/1	0.98	0.03	23,23,23,23	0
32	MG	a	3960	1/1	0.98	0.04	95,95,95,95	0
32	MG	A	3734	1/1	0.98	0.06	95,95,95,95	0
32	MG	a	3970	1/1	0.98	0.07	95,95,95,95	0
32	MG	a	3971	1/1	0.98	0.04	21,21,21,21	0
32	MG	a	3972	1/1	0.98	0.10	6,6,6,6	0
32	MG	A	3641	1/1	0.98	0.04	25,25,25,25	0
32	MG	A	3998	1/1	0.98	0.06	60,60,60,60	0
32	MG	a	3976	1/1	0.98	0.12	6,6,6,6	0
32	MG	a	3977	1/1	0.98	0.06	40,40,40,40	0
32	MG	A	4004	1/1	0.98	0.04	23,23,23,23	0
32	MG	a	3982	1/1	0.98	0.08	95,95,95,95	0
32	MG	A	3742	1/1	0.98	0.03	3,3,3,3	0
32	MG	a	3987	1/1	0.98	0.04	26,26,26,26	0
32	MG	a	3988	1/1	0.98	0.05	40,40,40,40	0
32	MG	A	4009	1/1	0.98	0.09	40,40,40,40	0
32	MG	a	3996	1/1	0.98	0.05	95,95,95,95	0
32	MG	a	4008	1/1	0.98	0.07	25,25,25,25	0
32	MG	A	4016	1/1	0.98	0.02	20,20,20,20	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4014	1/1	0.98	0.04	60,60,60,60	0
32	MG	a	4015	1/1	0.98	0.04	10,10,10,10	0
32	MG	a	4016	1/1	0.98	0.01	4,4,4,4	0
32	MG	A	4019	1/1	0.98	0.04	29,29,29,29	0
32	MG	a	4021	1/1	0.98	0.03	51,51,51,51	0
32	MG	A	4020	1/1	0.98	0.05	64,64,64,64	0
32	MG	a	4029	1/1	0.98	0.04	95,95,95,95	0
32	MG	a	4030	1/1	0.98	0.02	0,0,0,0	0
32	MG	a	4033	1/1	0.98	0.07	11,11,11,11	0
32	MG	A	4022	1/1	0.98	0.02	16,16,16,16	0
32	MG	a	4039	1/1	0.98	0.04	2,2,2,2	0
32	MG	a	4043	1/1	0.98	0.05	95,95,95,95	0
32	MG	a	4048	1/1	0.98	0.04	21,21,21,21	0
32	MG	a	4051	1/1	0.98	0.10	95,95,95,95	0
32	MG	a	4052	1/1	0.98	0.05	40,40,40,40	0
32	MG	A	3645	1/1	0.98	0.05	12,12,12,12	0
32	MG	A	4024	1/1	0.98	0.02	23,23,23,23	0
32	MG	a	4061	1/1	0.98	0.03	43,43,43,43	0
32	MG	a	4066	1/1	0.98	0.04	10,10,10,10	0
32	MG	a	4069	1/1	0.98	0.04	47,47,47,47	0
32	MG	a	4073	1/1	0.98	0.04	95,95,95,95	0
32	MG	a	4081	1/1	0.98	0.10	95,95,95,95	0
32	MG	a	4082	1/1	0.98	0.03	0,0,0,0	0
32	MG	a	4083	1/1	0.98	0.04	13,13,13,13	0
32	MG	a	4084	1/1	0.98	0.05	34,34,34,34	0
32	MG	A	4028	1/1	0.98	0.04	32,32,32,32	0
32	MG	a	4086	1/1	0.98	0.06	14,14,14,14	0
32	MG	a	4087	1/1	0.98	0.03	8,8,8,8	0
32	MG	a	4096	1/1	0.98	0.03	29,29,29,29	0
32	MG	a	4101	1/1	0.98	0.03	4,4,4,4	0
32	MG	a	4104	1/1	0.98	0.02	3,3,3,3	0
32	MG	A	3745	1/1	0.98	0.04	3,3,3,3	0
32	MG	a	4109	1/1	0.98	0.04	43,43,43,43	0
32	MG	a	4111	1/1	0.98	0.03	47,47,47,47	0
32	MG	a	4117	1/1	0.98	0.06	95,95,95,95	0
32	MG	a	4120	1/1	0.98	0.07	71,71,71,71	0
32	MG	a	4122	1/1	0.98	0.03	16,16,16,16	0
32	MG	a	4123	1/1	0.98	0.02	2,2,2,2	0
32	MG	A	4032	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4131	1/1	0.98	0.10	95,95,95,95	0
32	MG	A	4039	1/1	0.98	0.03	24,24,24,24	0
32	MG	a	4134	1/1	0.98	0.09	21,21,21,21	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4042	1/1	0.98	0.02	16,16,16,16	0
32	MG	a	4137	1/1	0.98	0.03	95,95,95,95	0
32	MG	A	4047	1/1	0.98	0.07	25,25,25,25	0
32	MG	a	4139	1/1	0.98	0.04	4,4,4,4	0
32	MG	A	3648	1/1	0.98	0.06	3,3,3,3	0
32	MG	a	4145	1/1	0.98	0.04	28,28,28,28	0
32	MG	a	4147	1/1	0.98	0.09	6,6,6,6	0
32	MG	a	4148	1/1	0.98	0.03	49,49,49,49	0
32	MG	A	4052	1/1	0.98	0.02	22,22,22,22	0
32	MG	a	4150	1/1	0.98	0.05	5,5,5,5	0
32	MG	A	4057	1/1	0.98	0.02	22,22,22,22	0
32	MG	a	4157	1/1	0.98	0.07	95,95,95,95	0
32	MG	a	4163	1/1	0.98	0.06	95,95,95,95	0
32	MG	a	4164	1/1	0.98	0.03	95,95,95,95	0
32	MG	a	4168	1/1	0.98	0.03	95,95,95,95	0
32	MG	a	4169	1/1	0.98	0.05	95,95,95,95	0
32	MG	A	4058	1/1	0.98	0.05	30,30,30,30	0
32	MG	a	4178	1/1	0.98	0.02	1,1,1,1	0
32	MG	a	4179	1/1	0.98	0.04	2,2,2,2	0
32	MG	A	4061	1/1	0.98	0.02	25,25,25,25	0
32	MG	a	4183	1/1	0.98	0.05	95,95,95,95	0
32	MG	a	4185	1/1	0.98	0.08	95,95,95,95	0
32	MG	a	4190	1/1	0.98	0.03	3,3,3,3	0
32	MG	A	3231	1/1	0.98	0.04	70,70,70,70	0
32	MG	A	4072	1/1	0.98	0.07	35,35,35,35	0
32	MG	a	4198	1/1	0.98	0.05	95,95,95,95	0
32	MG	a	4201	1/1	0.98	0.05	95,95,95,95	0
32	MG	a	4206	1/1	0.98	0.06	29,29,29,29	0
32	MG	a	4208	1/1	0.98	0.06	57,57,57,57	0
32	MG	a	4211	1/1	0.98	0.03	3,3,3,3	0
32	MG	A	3749	1/1	0.98	0.03	95,95,95,95	0
32	MG	a	4221	1/1	0.98	0.05	14,14,14,14	0
32	MG	a	4222	1/1	0.98	0.10	95,95,95,95	0
32	MG	a	4224	1/1	0.98	0.04	95,95,95,95	0
32	MG	A	4074	1/1	0.98	0.02	25,25,25,25	0
32	MG	A	4080	1/1	0.98	0.05	36,36,36,36	0
32	MG	a	4242	1/1	0.98	0.04	23,23,23,23	0
32	MG	a	4244	1/1	0.98	0.09	64,64,64,64	0
32	MG	a	4245	1/1	0.98	0.04	4,4,4,4	0
32	MG	A	3753	1/1	0.98	0.04	95,95,95,95	0
32	MG	a	4255	1/1	0.98	0.10	95,95,95,95	0
32	MG	a	4258	1/1	0.98	0.05	38,38,38,38	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4260	1/1	0.98	0.07	36,36,36,36	0
32	MG	a	4261	1/1	0.98	0.02	27,27,27,27	0
32	MG	a	4264	1/1	0.98	0.02	22,22,22,22	0
32	MG	a	4266	1/1	0.98	0.01	23,23,23,23	0
32	MG	a	4267	1/1	0.98	0.02	29,29,29,29	0
32	MG	A	3656	1/1	0.98	0.04	29,29,29,29	0
32	MG	a	4277	1/1	0.98	0.05	34,34,34,34	0
32	MG	a	4280	1/1	0.98	0.02	24,24,24,24	0
32	MG	a	4282	1/1	0.98	0.03	28,28,28,28	0
32	MG	a	4283	1/1	0.98	0.02	24,24,24,24	0
32	MG	A	4086	1/1	0.98	0.06	29,29,29,29	0
32	MG	A	3660	1/1	0.98	0.07	16,16,16,16	0
32	MG	a	4291	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4295	1/1	0.98	0.07	23,23,23,23	0
32	MG	a	4296	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4297	1/1	0.98	0.04	26,26,26,26	0
32	MG	a	4298	1/1	0.98	0.03	32,32,32,32	0
32	MG	a	4299	1/1	0.98	0.02	30,30,30,30	0
32	MG	a	4301	1/1	0.98	0.02	28,28,28,28	0
32	MG	a	4310	1/1	0.98	0.03	24,24,24,24	0
32	MG	a	4311	1/1	0.98	0.01	25,25,25,25	0
32	MG	a	4312	1/1	0.98	0.02	23,23,23,23	0
32	MG	A	4091	1/1	0.98	0.03	29,29,29,29	0
32	MG	a	4314	1/1	0.98	0.04	30,30,30,30	0
32	MG	a	4315	1/1	0.98	0.08	30,30,30,30	0
32	MG	a	4316	1/1	0.98	0.04	31,31,31,31	0
32	MG	a	4317	1/1	0.98	0.02	22,22,22,22	0
32	MG	a	4320	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4321	1/1	0.98	0.02	19,19,19,19	0
32	MG	a	4325	1/1	0.98	0.04	28,28,28,28	0
32	MG	a	4329	1/1	0.98	0.03	32,32,32,32	0
32	MG	a	4330	1/1	0.98	0.03	26,26,26,26	0
32	MG	a	4333	1/1	0.98	0.03	23,23,23,23	0
32	MG	a	4335	1/1	0.98	0.02	22,22,22,22	0
32	MG	a	4336	1/1	0.98	0.02	27,27,27,27	0
32	MG	a	4344	1/1	0.98	0.06	24,24,24,24	0
32	MG	a	4350	1/1	0.98	0.03	21,21,21,21	0
32	MG	A	4097	1/1	0.98	0.02	26,26,26,26	0
32	MG	a	4356	1/1	0.98	0.04	27,27,27,27	0
32	MG	A	4100	1/1	0.98	0.04	31,31,31,31	0
32	MG	a	4360	1/1	0.98	0.02	22,22,22,22	0
32	MG	a	4366	1/1	0.98	0.02	30,30,30,30	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4369	1/1	0.98	0.04	27,27,27,27	0
32	MG	a	4370	1/1	0.98	0.03	24,24,24,24	0
32	MG	A	4101	1/1	0.98	0.04	34,34,34,34	0
32	MG	a	4374	1/1	0.98	0.03	19,19,19,19	0
32	MG	A	4104	1/1	0.98	0.03	27,27,27,27	0
32	MG	a	4378	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	3542	1/1	0.98	0.03	94,94,94,94	0
32	MG	A	4106	1/1	0.98	0.06	30,30,30,30	0
32	MG	A	4108	1/1	0.98	0.04	27,27,27,27	0
32	MG	a	4395	1/1	0.98	0.02	32,32,32,32	0
32	MG	A	4115	1/1	0.98	0.06	27,27,27,27	0
32	MG	A	4116	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	4118	1/1	0.98	0.05	21,21,21,21	0
32	MG	a	4403	1/1	0.98	0.03	26,26,26,26	0
32	MG	a	4405	1/1	0.98	0.04	28,28,28,28	0
32	MG	A	4119	1/1	0.98	0.04	24,24,24,24	0
32	MG	A	4121	1/1	0.98	0.07	21,21,21,21	0
32	MG	a	4413	1/1	0.98	0.03	25,25,25,25	0
32	MG	A	3757	1/1	0.98	0.06	95,95,95,95	0
32	MG	a	4422	1/1	0.98	0.03	27,27,27,27	0
32	MG	A	3622	1/1	0.98	0.05	14,14,14,14	0
32	MG	a	4430	1/1	0.98	0.05	31,31,31,31	0
32	MG	A	4132	1/1	0.98	0.07	32,32,32,32	0
32	MG	A	4134	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4441	1/1	0.98	0.03	27,27,27,27	0
32	MG	a	4445	1/1	0.98	0.05	21,21,21,21	0
32	MG	a	4446	1/1	0.98	0.03	31,31,31,31	0
32	MG	a	4449	1/1	0.98	0.03	30,30,30,30	0
32	MG	a	4452	1/1	0.98	0.09	32,32,32,32	0
32	MG	A	4135	1/1	0.98	0.04	27,27,27,27	0
32	MG	A	4138	1/1	0.98	0.02	29,29,29,29	0
32	MG	A	3766	1/1	0.98	0.03	3,3,3,3	0
32	MG	a	4469	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4475	1/1	0.98	0.04	25,25,25,25	0
32	MG	a	4482	1/1	0.98	0.03	24,24,24,24	0
32	MG	a	4484	1/1	0.98	0.02	24,24,24,24	0
32	MG	a	4486	1/1	0.98	0.03	30,30,30,30	0
32	MG	a	4488	1/1	0.98	0.03	23,23,23,23	0
32	MG	a	4493	1/1	0.98	0.03	26,26,26,26	0
32	MG	a	4498	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	4146	1/1	0.98	0.02	23,23,23,23	0
32	MG	a	4500	1/1	0.98	0.07	29,29,29,29	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4503	1/1	0.98	0.04	24,24,24,24	0
32	MG	a	4505	1/1	0.98	0.03	27,27,27,27	0
32	MG	A	3768	1/1	0.98	0.07	67,67,67,67	0
32	MG	a	4514	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4515	1/1	0.98	0.03	31,31,31,31	0
32	MG	a	4519	1/1	0.98	0.02	20,20,20,20	0
32	MG	a	4523	1/1	0.98	0.02	24,24,24,24	0
32	MG	a	4528	1/1	0.98	0.03	25,25,25,25	0
32	MG	a	4529	1/1	0.98	0.04	30,30,30,30	0
32	MG	a	4531	1/1	0.98	0.03	26,26,26,26	0
32	MG	a	4535	1/1	0.98	0.06	28,28,28,28	0
32	MG	A	3770	1/1	0.98	0.07	95,95,95,95	0
32	MG	a	4548	1/1	0.98	0.03	34,34,34,34	0
32	MG	A	4155	1/1	0.98	0.03	23,23,23,23	0
32	MG	a	4560	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	3776	1/1	0.98	0.04	9,9,9,9	0
32	MG	a	4565	1/1	0.98	0.02	26,26,26,26	0
32	MG	A	4159	1/1	0.98	0.05	29,29,29,29	0
32	MG	A	4160	1/1	0.98	0.10	26,26,26,26	0
32	MG	a	4576	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	4166	1/1	0.98	0.03	29,29,29,29	0
32	MG	a	4579	1/1	0.98	0.03	29,29,29,29	0
32	MG	a	4580	1/1	0.98	0.03	22,22,22,22	0
32	MG	a	4581	1/1	0.98	0.02	26,26,26,26	0
32	MG	a	4586	1/1	0.98	0.02	26,26,26,26	0
32	MG	a	4588	1/1	0.98	0.02	27,27,27,27	0
32	MG	a	4590	1/1	0.98	0.07	26,26,26,26	0
32	MG	A	3777	1/1	0.98	0.04	20,20,20,20	0
32	MG	A	4171	1/1	0.98	0.03	35,35,35,35	0
32	MG	A	3783	1/1	0.98	0.06	143,143,143,143	0
32	MG	a	4602	1/1	0.98	0.04	32,32,32,32	0
32	MG	a	4603	1/1	0.98	0.05	23,23,23,23	0
32	MG	A	4178	1/1	0.98	0.02	25,25,25,25	0
32	MG	a	4612	1/1	0.98	0.03	31,31,31,31	0
32	MG	a	4613	1/1	0.98	0.05	26,26,26,26	0
32	MG	A	3664	1/1	0.98	0.04	11,11,11,11	0
32	MG	A	4187	1/1	0.98	0.01	27,27,27,27	0
32	MG	A	4193	1/1	0.98	0.05	28,28,28,28	0
32	MG	c	314	1/1	0.98	0.02	6,6,6,6	0
32	MG	c	315	1/1	0.98	0.08	95,95,95,95	0
32	MG	A	4197	1/1	0.98	0.04	24,24,24,24	0
32	MG	A	4200	1/1	0.98	0.02	28,28,28,28	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	c	322	1/1	0.98	0.02	28,28,28,28	0
32	MG	c	323	1/1	0.98	0.03	31,31,31,31	0
32	MG	A	4205	1/1	0.98	0.04	27,27,27,27	0
32	MG	c	332	1/1	0.98	0.02	26,26,26,26	0
32	MG	c	333	1/1	0.98	0.12	29,29,29,29	0
32	MG	A	4206	1/1	0.98	0.03	27,27,27,27	0
32	MG	d	320	1/1	0.98	0.02	1,1,1,1	0
32	MG	A	4209	1/1	0.98	0.02	27,27,27,27	0
32	MG	e	316	1/1	0.98	0.03	33,33,33,33	0
32	MG	e	319	1/1	0.98	0.02	3,3,3,3	0
32	MG	A	4210	1/1	0.98	0.04	27,27,27,27	0
32	MG	e	327	1/1	0.98	0.03	22,22,22,22	0
32	MG	A	3787	1/1	0.98	0.03	95,95,95,95	0
32	MG	e	332	1/1	0.98	0.03	29,29,29,29	0
32	MG	e	334	1/1	0.98	0.02	27,27,27,27	0
32	MG	e	335	1/1	0.98	0.02	26,26,26,26	0
32	MG	e	336	1/1	0.98	0.02	28,28,28,28	0
32	MG	A	4222	1/1	0.98	0.02	29,29,29,29	0
32	MG	A	4230	1/1	0.98	0.05	30,30,30,30	0
32	MG	A	4231	1/1	0.98	0.03	28,28,28,28	0
32	MG	A	3671	1/1	0.98	0.12	1,1,1,1	0
32	MG	h	211	1/1	0.98	0.02	23,23,23,23	0
32	MG	h	213	1/1	0.98	0.03	22,22,22,22	0
32	MG	A	3672	1/1	0.98	0.07	8,8,8,8	0
32	MG	A	4239	1/1	0.98	0.04	32,32,32,32	0
32	MG	i	208	1/1	0.98	0.03	2,2,2,2	0
32	MG	i	212	1/1	0.98	0.03	25,25,25,25	0
32	MG	i	214	1/1	0.98	0.03	28,28,28,28	0
32	MG	i	218	1/1	0.98	0.02	26,26,26,26	0
32	MG	A	3679	1/1	0.98	0.03	3,3,3,3	0
32	MG	i	220	1/1	0.98	0.02	29,29,29,29	0
32	MG	i	224	1/1	0.98	0.06	32,32,32,32	0
32	MG	A	4247	1/1	0.98	0.06	30,30,30,30	0
32	MG	A	4254	1/1	0.98	0.03	30,30,30,30	0
32	MG	j	218	1/1	0.98	0.03	44,44,44,44	0
32	MG	j	220	1/1	0.98	0.02	22,22,22,22	0
32	MG	k	208	1/1	0.98	0.02	27,27,27,27	0
32	MG	k	211	1/1	0.98	0.03	25,25,25,25	0
32	MG	k	212	1/1	0.98	0.02	24,24,24,24	0
32	MG	k	219	1/1	0.98	0.05	26,26,26,26	0
32	MG	l	212	1/1	0.98	0.03	48,48,48,48	0
32	MG	l	215	1/1	0.98	0.04	4,4,4,4	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	l	216	1/1	0.98	0.08	95,95,95,95	0
32	MG	A	4256	1/1	0.98	0.07	32,32,32,32	0
32	MG	A	3625	1/1	0.98	0.03	15,15,15,15	0
32	MG	m	215	1/1	0.98	0.03	32,32,32,32	0
32	MG	m	218	1/1	0.98	0.02	29,29,29,29	0
32	MG	n	202	1/1	0.98	0.03	23,23,23,23	0
32	MG	n	203	1/1	0.98	0.03	25,25,25,25	0
32	MG	n	204	1/1	0.98	0.02	27,27,27,27	0
32	MG	A	3809	1/1	0.98	0.10	24,24,24,24	0
32	MG	o	213	1/1	0.98	0.06	95,95,95,95	0
32	MG	o	214	1/1	0.98	0.03	39,39,39,39	0
32	MG	o	215	1/1	0.98	0.05	95,95,95,95	0
32	MG	A	4265	1/1	0.98	0.03	26,26,26,26	0
32	MG	o	218	1/1	0.98	0.03	7,7,7,7	0
32	MG	A	3683	1/1	0.98	0.06	7,7,7,7	0
32	MG	o	220	1/1	0.98	0.02	9,9,9,9	0
32	MG	A	4273	1/1	0.98	0.07	28,28,28,28	0
32	MG	A	3812	1/1	0.98	0.03	0,0,0,0	0
32	MG	o	226	1/1	0.98	0.02	32,32,32,32	0
32	MG	A	4278	1/1	0.98	0.04	34,34,34,34	0
32	MG	p	209	1/1	0.98	0.10	69,69,69,69	0
32	MG	p	210	1/1	0.98	0.04	7,7,7,7	0
32	MG	A	4279	1/1	0.98	0.03	26,26,26,26	0
32	MG	p	213	1/1	0.98	0.02	27,27,27,27	0
32	MG	p	216	1/1	0.98	0.04	31,31,31,31	0
32	MG	q	215	1/1	0.98	0.02	29,29,29,29	0
32	MG	q	217	1/1	0.98	0.03	27,27,27,27	0
32	MG	q	220	1/1	0.98	0.02	29,29,29,29	0
32	MG	q	221	1/1	0.98	0.02	26,26,26,26	0
32	MG	A	4280	1/1	0.98	0.07	32,32,32,32	0
32	MG	q	228	1/1	0.98	0.02	24,24,24,24	0
32	MG	q	230	1/1	0.98	0.04	29,29,29,29	0
32	MG	A	3814	1/1	0.98	0.05	8,8,8,8	0
32	MG	A	4286	1/1	0.98	0.02	24,24,24,24	0
32	MG	r	217	1/1	0.98	0.05	28,28,28,28	0
32	MG	r	226	1/1	0.98	0.03	23,23,23,23	0
32	MG	A	4290	1/1	0.98	0.06	28,28,28,28	0
32	MG	s	105	1/1	0.98	0.06	18,18,18,18	0
32	MG	u	318	1/1	0.98	0.03	95,95,95,95	0
32	MG	A	3628	1/1	0.98	0.08	8,8,8,8	0
32	MG	u	321	1/1	0.98	0.06	12,12,12,12	0
32	MG	v	107	1/1	0.98	0.02	38,38,38,38	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4293	1/1	0.98	0.03	28,28,28,28	0
32	MG	w	106	1/1	0.98	0.05	95,95,95,95	0
32	MG	w	108	1/1	0.98	0.08	37,37,37,37	0
32	MG	w	110	1/1	0.98	0.06	24,24,24,24	0
32	MG	A	4296	1/1	0.98	0.03	27,27,27,27	0
32	MG	x	110	1/1	0.98	0.05	95,95,95,95	0
32	MG	x	111	1/1	0.98	0.04	21,21,21,21	0
32	MG	y	606	1/1	0.98	0.09	95,95,95,95	0
32	MG	z	503	1/1	0.98	0.03	29,29,29,29	0
32	MG	5	102	1/1	0.98	0.02	183,183,183,183	0
32	MG	5	105	1/1	0.98	0.03	95,95,95,95	0
32	MG	6	507	1/1	0.98	0.03	31,31,31,31	0
32	MG	A	3816	1/1	0.98	0.03	8,8,8,8	0
32	MG	8	106	1/1	0.98	0.10	38,38,38,38	0
32	MG	A	4309	1/1	0.98	0.04	25,25,25,25	0
32	MG	A	3819	1/1	0.98	0.02	1,1,1,1	0
33	ZN	Z	501	1/1	0.98	0.03	211,211,211,211	0
32	MG	A	4342	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	4343	1/1	0.99	0.01	28,28,28,28	0
32	MG	A	3798	1/1	0.99	0.01	6,6,6,6	0
32	MG	A	4345	1/1	0.99	0.04	32,32,32,32	0
32	MG	A	3800	1/1	0.99	0.03	13,13,13,13	0
32	MG	A	4347	1/1	0.99	0.03	27,27,27,27	0
32	MG	A	4348	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4349	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4350	1/1	0.99	0.01	24,24,24,24	0
32	MG	A	3801	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	4352	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	3562	1/1	0.99	0.06	70,70,70,70	0
32	MG	A	4354	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	3804	1/1	0.99	0.03	62,62,62,62	0
32	MG	A	3805	1/1	0.99	0.03	2,2,2,2	0
32	MG	A	3574	1/1	0.99	0.02	76,76,76,76	0
32	MG	A	4358	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4359	1/1	0.99	0.02	23,23,23,23	0
32	MG	A	4360	1/1	0.99	0.02	19,19,19,19	0
32	MG	A	3807	1/1	0.99	0.04	31,31,31,31	0
32	MG	A	3808	1/1	0.99	0.02	34,34,34,34	0
32	MG	A	4363	1/1	0.99	0.02	24,24,24,24	0
32	MG	A	4365	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4366	1/1	0.99	0.01	25,25,25,25	0
32	MG	A	4367	1/1	0.99	0.03	25,25,25,25	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4368	1/1	0.99	0.01	23,23,23,23	0
32	MG	A	4369	1/1	0.99	0.01	25,25,25,25	0
32	MG	A	4371	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	4372	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4373	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4374	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4375	1/1	0.99	0.04	30,30,30,30	0
32	MG	A	3577	1/1	0.99	0.04	70,70,70,70	0
32	MG	A	3579	1/1	0.99	0.07	61,61,61,61	0
32	MG	A	3811	1/1	0.99	0.03	19,19,19,19	0
32	MG	A	3581	1/1	0.99	0.06	77,77,77,77	0
32	MG	A	3813	1/1	0.99	0.05	6,6,6,6	0
32	MG	A	4381	1/1	0.99	0.04	30,30,30,30	0
32	MG	A	4382	1/1	0.99	0.05	30,30,30,30	0
32	MG	B	212	1/1	0.99	0.03	102,102,102,102	0
32	MG	B	221	1/1	0.99	0.03	61,61,61,61	0
32	MG	B	224	1/1	0.99	0.03	76,76,76,76	0
32	MG	B	225	1/1	0.99	0.02	4,4,4,4	0
32	MG	B	226	1/1	0.99	0.04	95,95,95,95	0
32	MG	B	227	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	3582	1/1	0.99	0.04	65,65,65,65	0
32	MG	B	229	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3583	1/1	0.99	0.05	66,66,66,66	0
32	MG	A	3600	1/1	0.99	0.03	59,59,59,59	0
32	MG	A	3817	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3048	1/1	0.99	0.02	79,79,79,79	0
32	MG	A	3820	1/1	0.99	0.02	16,16,16,16	0
32	MG	B	235	1/1	0.99	0.02	95,95,95,95	0
32	MG	B	236	1/1	0.99	0.02	3,3,3,3	0
32	MG	B	237	1/1	0.99	0.02	23,23,23,23	0
32	MG	C	316	1/1	0.99	0.06	7,7,7,7	0
32	MG	C	317	1/1	0.99	0.07	8,8,8,8	0
32	MG	A	3821	1/1	0.99	0.02	9,9,9,9	0
32	MG	A	3050	1/1	0.99	0.02	89,89,89,89	0
32	MG	A	3823	1/1	0.99	0.02	34,34,34,34	0
32	MG	A	3824	1/1	0.99	0.02	95,95,95,95	0
32	MG	A	3825	1/1	0.99	0.03	10,10,10,10	0
32	MG	C	324	1/1	0.99	0.03	20,20,20,20	0
32	MG	C	325	1/1	0.99	0.02	27,27,27,27	0
32	MG	C	326	1/1	0.99	0.01	28,28,28,28	0
32	MG	C	327	1/1	0.99	0.01	27,27,27,27	0
32	MG	C	328	1/1	0.99	0.09	17,17,17,17	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	C	329	1/1	0.99	0.02	30,30,30,30	0
32	MG	C	330	1/1	0.99	0.04	28,28,28,28	0
32	MG	A	3826	1/1	0.99	0.06	5,5,5,5	0
32	MG	A	3603	1/1	0.99	0.04	95,95,95,95	0
32	MG	C	334	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	3828	1/1	0.99	0.09	29,29,29,29	0
32	MG	C	336	1/1	0.99	0.01	27,27,27,27	0
32	MG	C	337	1/1	0.99	0.01	30,30,30,30	0
32	MG	A	3604	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3605	1/1	0.99	0.03	17,17,17,17	0
32	MG	C	341	1/1	0.99	0.02	21,21,21,21	0
32	MG	C	342	1/1	0.99	0.02	26,26,26,26	0
32	MG	C	343	1/1	0.99	0.01	29,29,29,29	0
32	MG	A	3831	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3832	1/1	0.99	0.05	18,18,18,18	0
32	MG	D	307	1/1	0.99	0.02	15,15,15,15	0
32	MG	D	308	1/1	0.99	0.04	31,31,31,31	0
32	MG	A	3834	1/1	0.99	0.03	95,95,95,95	0
32	MG	E	312	1/1	0.99	0.03	5,5,5,5	0
32	MG	E	313	1/1	0.99	0.03	4,4,4,4	0
32	MG	A	3835	1/1	0.99	0.03	52,52,52,52	0
32	MG	E	315	1/1	0.99	0.01	11,11,11,11	0
32	MG	A	3606	1/1	0.99	0.05	6,6,6,6	0
32	MG	E	317	1/1	0.99	0.01	95,95,95,95	0
32	MG	A	3837	1/1	0.99	0.05	1,1,1,1	0
32	MG	E	319	1/1	0.99	0.02	18,18,18,18	0
32	MG	E	320	1/1	0.99	0.01	19,19,19,19	0
32	MG	E	321	1/1	0.99	0.02	18,18,18,18	0
32	MG	E	323	1/1	0.99	0.06	21,21,21,21	0
32	MG	A	3838	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3840	1/1	0.99	0.03	95,95,95,95	0
32	MG	E	326	1/1	0.99	0.03	23,23,23,23	0
32	MG	E	327	1/1	0.99	0.01	25,25,25,25	0
32	MG	E	328	1/1	0.99	0.02	28,28,28,28	0
32	MG	E	329	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	3841	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3842	1/1	0.99	0.03	5,5,5,5	0
32	MG	G	201	1/1	0.99	0.01	22,22,22,22	0
32	MG	H	201	1/1	0.99	0.01	23,23,23,23	0
32	MG	H	202	1/1	0.99	0.03	28,28,28,28	0
32	MG	H	205	1/1	0.99	0.01	27,27,27,27	0
32	MG	A	3844	1/1	0.99	0.04	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	H	207	1/1	0.99	0.01	18,18,18,18	0
32	MG	A	3845	1/1	0.99	0.07	95,95,95,95	0
32	MG	A	3846	1/1	0.99	0.03	5,5,5,5	0
32	MG	I	210	1/1	0.99	0.03	8,8,8,8	0
32	MG	I	211	1/1	0.99	0.03	17,17,17,17	0
32	MG	J	201	1/1	0.99	0.03	89,89,89,89	0
32	MG	A	3847	1/1	0.99	0.05	95,95,95,95	0
32	MG	J	204	1/1	0.99	0.02	24,24,24,24	0
32	MG	A	3607	1/1	0.99	0.06	7,7,7,7	0
32	MG	A	3608	1/1	0.99	0.14	23,23,23,23	0
32	MG	J	207	1/1	0.99	0.02	23,23,23,23	0
32	MG	J	208	1/1	0.99	0.02	27,27,27,27	0
32	MG	J	209	1/1	0.99	0.06	28,28,28,28	0
32	MG	K	207	1/1	0.99	0.07	95,95,95,95	0
32	MG	K	208	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3850	1/1	0.99	0.04	37,37,37,37	0
32	MG	A	3051	1/1	0.99	0.04	120,120,120,120	0
32	MG	K	211	1/1	0.99	0.01	95,95,95,95	0
32	MG	A	3610	1/1	0.99	0.04	4,4,4,4	0
32	MG	A	3854	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3855	1/1	0.99	0.07	95,95,95,95	0
32	MG	K	217	1/1	0.99	0.04	28,28,28,28	0
32	MG	K	220	1/1	0.99	0.01	25,25,25,25	0
32	MG	A	3856	1/1	0.99	0.03	8,8,8,8	0
32	MG	K	222	1/1	0.99	0.02	21,21,21,21	0
32	MG	L	205	1/1	0.99	0.03	44,44,44,44	0
32	MG	L	207	1/1	0.99	0.08	5,5,5,5	0
32	MG	L	208	1/1	0.99	0.02	31,31,31,31	0
32	MG	A	3612	1/1	0.99	0.01	10,10,10,10	0
32	MG	A	3613	1/1	0.99	0.04	23,23,23,23	0
32	MG	A	3862	1/1	0.99	0.02	5,5,5,5	0
32	MG	O	203	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3864	1/1	0.99	0.03	95,95,95,95	0
32	MG	O	205	1/1	0.99	0.03	21,21,21,21	0
32	MG	O	208	1/1	0.99	0.02	95,95,95,95	0
32	MG	A	3614	1/1	0.99	0.02	3,3,3,3	0
32	MG	O	210	1/1	0.99	0.02	20,20,20,20	0
32	MG	A	3618	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3867	1/1	0.99	0.02	95,95,95,95	0
32	MG	P	206	1/1	0.99	0.03	14,14,14,14	0
32	MG	P	207	1/1	0.99	0.05	59,59,59,59	0
32	MG	Q	201	1/1	0.99	0.03	19,19,19,19	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	Q	202	1/1	0.99	0.03	21,21,21,21	0
32	MG	Q	203	1/1	0.99	0.02	22,22,22,22	0
32	MG	Q	204	1/1	0.99	0.02	31,31,31,31	0
32	MG	Q	205	1/1	0.99	0.03	22,22,22,22	0
32	MG	Q	207	1/1	0.99	0.01	24,24,24,24	0
32	MG	A	3619	1/1	0.99	0.04	23,23,23,23	0
32	MG	Q	209	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	3870	1/1	0.99	0.02	14,14,14,14	0
32	MG	R	206	1/1	0.99	0.04	108,108,108,108	0
32	MG	A	3871	1/1	0.99	0.03	95,95,95,95	0
32	MG	R	208	1/1	0.99	0.02	1,1,1,1	0
32	MG	A	3620	1/1	0.99	0.03	0,0,0,0	0
32	MG	R	210	1/1	0.99	0.11	19,19,19,19	0
32	MG	R	211	1/1	0.99	0.02	24,24,24,24	0
32	MG	R	212	1/1	0.99	0.05	24,24,24,24	0
32	MG	A	3873	1/1	0.99	0.03	52,52,52,52	0
32	MG	R	214	1/1	0.99	0.02	20,20,20,20	0
32	MG	A	3874	1/1	0.99	0.02	72,72,72,72	0
32	MG	R	216	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	3876	1/1	0.99	0.04	18,18,18,18	0
32	MG	R	219	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	3877	1/1	0.99	0.05	22,22,22,22	0
32	MG	S	106	1/1	0.99	0.03	17,17,17,17	0
32	MG	S	107	1/1	0.99	0.04	20,20,20,20	0
32	MG	S	108	1/1	0.99	0.03	26,26,26,26	0
32	MG	S	109	1/1	0.99	0.02	18,18,18,18	0
32	MG	T	506	1/1	0.99	0.02	29,29,29,29	0
32	MG	T	507	1/1	0.99	0.04	45,45,45,45	0
32	MG	A	3063	1/1	0.99	0.06	86,86,86,86	0
32	MG	A	3070	1/1	0.99	0.03	85,85,85,85	0
32	MG	T	511	1/1	0.99	0.04	23,23,23,23	0
32	MG	T	513	1/1	0.99	0.02	34,34,34,34	0
32	MG	A	3882	1/1	0.99	0.04	174,174,174,174	0
32	MG	A	3884	1/1	0.99	0.07	95,95,95,95	0
32	MG	T	516	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	3885	1/1	0.99	0.05	95,95,95,95	0
32	MG	T	518	1/1	0.99	0.02	24,24,24,24	0
32	MG	U	304	1/1	0.99	0.01	4,4,4,4	0
32	MG	U	306	1/1	0.99	0.06	9,9,9,9	0
32	MG	A	3886	1/1	0.99	0.04	17,17,17,17	0
32	MG	U	308	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	3888	1/1	0.99	0.04	1,1,1,1	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	U	310	1/1	0.99	0.01	27,27,27,27	0
32	MG	U	311	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	3623	1/1	0.99	0.04	3,3,3,3	0
32	MG	A	3891	1/1	0.99	0.04	95,95,95,95	0
32	MG	W	111	1/1	0.99	0.06	95,95,95,95	0
32	MG	A	3624	1/1	0.99	0.04	3,3,3,3	0
32	MG	W	115	1/1	0.99	0.03	23,23,23,23	0
32	MG	X	105	1/1	0.99	0.03	95,95,95,95	0
32	MG	X	106	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	3078	1/1	0.99	0.02	146,146,146,146	0
32	MG	A	3895	1/1	0.99	0.02	2,2,2,2	0
32	MG	A	3627	1/1	0.99	0.03	11,11,11,11	0
32	MG	X	110	1/1	0.99	0.03	95,95,95,95	0
32	MG	X	111	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	3897	1/1	0.99	0.02	37,37,37,37	0
32	MG	X	113	1/1	0.99	0.02	31,31,31,31	0
32	MG	A	3152	1/1	0.99	0.06	38,38,38,38	0
32	MG	X	115	1/1	0.99	0.02	25,25,25,25	0
32	MG	X	116	1/1	0.99	0.02	24,24,24,24	0
32	MG	A	3629	1/1	0.99	0.03	3,3,3,3	0
32	MG	0	101	1/1	0.99	0.03	75,75,75,75	0
32	MG	A	3900	1/1	0.99	0.03	95,95,95,95	0
32	MG	0	104	1/1	0.99	0.02	37,37,37,37	0
32	MG	A	3901	1/1	0.99	0.04	95,95,95,95	0
32	MG	0	106	1/1	0.99	0.02	34,34,34,34	0
32	MG	0	107	1/1	0.99	0.02	31,31,31,31	0
32	MG	2	103	1/1	0.99	0.04	63,63,63,63	0
32	MG	A	3902	1/1	0.99	0.02	23,23,23,23	0
32	MG	2	107	1/1	0.99	0.04	1,1,1,1	0
32	MG	A	3630	1/1	0.99	0.05	2,2,2,2	0
32	MG	2	109	1/1	0.99	0.04	27,27,27,27	0
32	MG	2	110	1/1	0.99	0.10	26,26,26,26	0
32	MG	2	111	1/1	0.99	0.04	26,26,26,26	0
32	MG	a	3006	1/1	0.99	0.04	48,48,48,48	0
32	MG	a	3025	1/1	0.99	0.04	61,61,61,61	0
32	MG	a	3027	1/1	0.99	0.06	71,71,71,71	0
32	MG	a	3076	1/1	0.99	0.03	70,70,70,70	0
32	MG	a	3079	1/1	0.99	0.04	89,89,89,89	0
32	MG	a	3080	1/1	0.99	0.03	45,45,45,45	0
32	MG	a	3094	1/1	0.99	0.04	93,93,93,93	0
32	MG	a	3132	1/1	0.99	0.07	92,92,92,92	0
32	MG	A	3904	1/1	0.99	0.03	9,9,9,9	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3190	1/1	0.99	0.08	51,51,51,51	0
32	MG	A	3905	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3235	1/1	0.99	0.04	55,55,55,55	0
32	MG	a	3238	1/1	0.99	0.03	48,48,48,48	0
32	MG	a	3242	1/1	0.99	0.03	56,56,56,56	0
32	MG	a	3247	1/1	0.99	0.03	60,60,60,60	0
32	MG	a	3264	1/1	0.99	0.02	72,72,72,72	0
32	MG	a	3274	1/1	0.99	0.04	61,61,61,61	0
32	MG	A	3631	1/1	0.99	0.03	19,19,19,19	0
32	MG	a	3276	1/1	0.99	0.04	56,56,56,56	0
32	MG	a	3278	1/1	0.99	0.04	97,97,97,97	0
32	MG	a	3283	1/1	0.99	0.02	97,97,97,97	0
32	MG	a	3293	1/1	0.99	0.04	47,47,47,47	0
32	MG	a	3300	1/1	0.99	0.03	97,97,97,97	0
32	MG	a	3301	1/1	0.99	0.03	50,50,50,50	0
32	MG	A	3910	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3304	1/1	0.99	0.03	47,47,47,47	0
32	MG	A	3162	1/1	0.99	0.04	47,47,47,47	0
32	MG	a	3312	1/1	0.99	0.05	76,76,76,76	0
32	MG	a	3318	1/1	0.99	0.07	50,50,50,50	0
32	MG	a	3324	1/1	0.99	0.04	55,55,55,55	0
32	MG	A	3180	1/1	0.99	0.03	61,61,61,61	0
32	MG	a	3333	1/1	0.99	0.03	50,50,50,50	0
32	MG	a	3342	1/1	0.99	0.06	68,68,68,68	0
32	MG	a	3348	1/1	0.99	0.05	56,56,56,56	0
32	MG	A	3634	1/1	0.99	0.06	39,39,39,39	0
32	MG	a	3371	1/1	0.99	0.02	115,115,115,115	0
32	MG	a	3375	1/1	0.99	0.05	75,75,75,75	0
32	MG	a	3385	1/1	0.99	0.03	52,52,52,52	0
32	MG	a	3388	1/1	0.99	0.07	66,66,66,66	0
32	MG	a	3391	1/1	0.99	0.03	55,55,55,55	0
32	MG	a	3394	1/1	0.99	0.05	71,71,71,71	0
32	MG	a	3400	1/1	0.99	0.04	56,56,56,56	0
32	MG	a	3416	1/1	0.99	0.03	64,64,64,64	0
32	MG	a	3419	1/1	0.99	0.07	113,113,113,113	0
32	MG	a	3430	1/1	0.99	0.04	38,38,38,38	0
32	MG	a	3433	1/1	0.99	0.07	69,69,69,69	0
32	MG	a	3438	1/1	0.99	0.04	64,64,64,64	0
32	MG	a	3443	1/1	0.99	0.03	44,44,44,44	0
32	MG	a	3447	1/1	0.99	0.05	74,74,74,74	0
32	MG	a	3460	1/1	0.99	0.03	67,67,67,67	0
32	MG	a	3463	1/1	0.99	0.04	47,47,47,47	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3477	1/1	0.99	0.02	62,62,62,62	0
32	MG	A	3635	1/1	0.99	0.05	53,53,53,53	0
32	MG	a	3480	1/1	0.99	0.05	50,50,50,50	0
32	MG	a	3481	1/1	0.99	0.03	59,59,59,59	0
32	MG	a	3487	1/1	0.99	0.05	65,65,65,65	0
32	MG	a	3491	1/1	0.99	0.02	75,75,75,75	0
32	MG	a	3506	1/1	0.99	0.05	66,66,66,66	0
32	MG	a	3522	1/1	0.99	0.03	60,60,60,60	0
32	MG	a	3527	1/1	0.99	0.07	42,42,42,42	0
32	MG	A	3916	1/1	0.99	0.01	2,2,2,2	0
32	MG	a	3533	1/1	0.99	0.04	60,60,60,60	0
32	MG	a	3536	1/1	0.99	0.04	48,48,48,48	0
32	MG	a	3541	1/1	0.99	0.03	100,100,100,100	0
32	MG	A	3636	1/1	0.99	0.09	7,7,7,7	0
32	MG	a	3548	1/1	0.99	0.03	69,69,69,69	0
32	MG	a	3550	1/1	0.99	0.04	84,84,84,84	0
32	MG	a	3554	1/1	0.99	0.03	71,71,71,71	0
32	MG	a	3567	1/1	0.99	0.03	63,63,63,63	0
32	MG	a	3582	1/1	0.99	0.07	104,104,104,104	0
32	MG	a	3586	1/1	0.99	0.02	83,83,83,83	0
32	MG	a	3591	1/1	0.99	0.07	102,102,102,102	0
32	MG	a	3594	1/1	0.99	0.05	58,58,58,58	0
32	MG	a	3601	1/1	0.99	0.04	87,87,87,87	0
32	MG	a	3629	1/1	0.99	0.06	80,80,80,80	0
32	MG	a	3633	1/1	0.99	0.06	93,93,93,93	0
32	MG	a	3634	1/1	0.99	0.05	76,76,76,76	0
32	MG	a	3637	1/1	0.99	0.03	75,75,75,75	0
32	MG	a	3638	1/1	0.99	0.04	75,75,75,75	0
32	MG	a	3641	1/1	0.99	0.04	70,70,70,70	0
32	MG	a	3643	1/1	0.99	0.03	73,73,73,73	0
32	MG	a	3645	1/1	0.99	0.03	93,93,93,93	0
32	MG	a	3647	1/1	0.99	0.06	70,70,70,70	0
32	MG	a	3650	1/1	0.99	0.02	81,81,81,81	0
32	MG	a	3651	1/1	0.99	0.06	61,61,61,61	0
32	MG	a	3652	1/1	0.99	0.08	78,78,78,78	0
32	MG	a	3654	1/1	0.99	0.09	115,115,115,115	0
32	MG	a	3657	1/1	0.99	0.07	70,70,70,70	0
32	MG	a	3658	1/1	0.99	0.03	74,74,74,74	0
32	MG	a	3660	1/1	0.99	0.03	76,76,76,76	0
32	MG	a	3661	1/1	0.99	0.06	66,66,66,66	0
32	MG	a	3671	1/1	0.99	0.03	70,70,70,70	0
32	MG	a	3675	1/1	0.99	0.03	86,86,86,86	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3679	1/1	0.99	0.05	86,86,86,86	0
32	MG	a	3680	1/1	0.99	0.04	99,99,99,99	0
32	MG	a	3685	1/1	0.99	0.04	104,104,104,104	0
32	MG	a	3696	1/1	0.99	0.03	79,79,79,79	0
32	MG	a	3697	1/1	0.99	0.04	62,62,62,62	0
32	MG	a	3700	1/1	0.99	0.03	66,66,66,66	0
32	MG	a	3702	1/1	0.99	0.04	79,79,79,79	0
32	MG	a	3706	1/1	0.99	0.04	77,77,77,77	0
32	MG	a	3708	1/1	0.99	0.03	86,86,86,86	0
32	MG	a	3710	1/1	0.99	0.03	78,78,78,78	0
32	MG	A	3637	1/1	0.99	0.08	95,95,95,95	0
32	MG	a	3716	1/1	0.99	0.07	69,69,69,69	0
32	MG	a	3723	1/1	0.99	0.12	85,85,85,85	0
32	MG	A	3198	1/1	0.99	0.03	54,54,54,54	0
32	MG	A	3920	1/1	0.99	0.06	10,10,10,10	0
32	MG	a	3729	1/1	0.99	0.03	77,77,77,77	0
32	MG	a	3736	1/1	0.99	0.03	73,73,73,73	0
32	MG	a	3740	1/1	0.99	0.03	76,76,76,76	0
32	MG	a	3744	1/1	0.99	0.08	70,70,70,70	0
32	MG	a	3745	1/1	0.99	0.05	73,73,73,73	0
32	MG	a	3746	1/1	0.99	0.06	80,80,80,80	0
32	MG	a	3752	1/1	0.99	0.03	71,71,71,71	0
32	MG	a	3761	1/1	0.99	0.05	72,72,72,72	0
32	MG	a	3766	1/1	0.99	0.04	77,77,77,77	0
32	MG	a	3768	1/1	0.99	0.06	84,84,84,84	0
32	MG	a	3770	1/1	0.99	0.05	75,75,75,75	0
32	MG	a	3784	1/1	0.99	0.04	75,75,75,75	0
32	MG	a	3789	1/1	0.99	0.03	62,62,62,62	0
32	MG	a	3791	1/1	0.99	0.05	117,117,117,117	0
32	MG	a	3792	1/1	0.99	0.03	79,79,79,79	0
32	MG	a	3794	1/1	0.99	0.03	59,59,59,59	0
32	MG	a	3795	1/1	0.99	0.02	103,103,103,103	0
32	MG	A	3921	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3805	1/1	0.99	0.07	95,95,95,95	0
32	MG	A	3922	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	3807	1/1	0.99	0.03	24,24,24,24	0
32	MG	a	3808	1/1	0.99	0.03	8,8,8,8	0
32	MG	a	3809	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3923	1/1	0.99	0.06	46,46,46,46	0
32	MG	a	3811	1/1	0.99	0.03	19,19,19,19	0
32	MG	a	3813	1/1	0.99	0.05	88,88,88,88	0
32	MG	A	3926	1/1	0.99	0.04	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3225	1/1	0.99	0.04	58,58,58,58	0
32	MG	a	3819	1/1	0.99	0.02	15,15,15,15	0
32	MG	A	3010	1/1	0.99	0.04	54,54,54,54	0
32	MG	a	3822	1/1	0.99	0.06	17,17,17,17	0
32	MG	A	3930	1/1	0.99	0.09	95,95,95,95	0
32	MG	A	3931	1/1	0.99	0.04	10,10,10,10	0
32	MG	a	3827	1/1	0.99	0.05	29,29,29,29	0
32	MG	A	3642	1/1	0.99	0.04	80,80,80,80	0
32	MG	a	3830	1/1	0.99	0.04	50,50,50,50	0
32	MG	a	3831	1/1	0.99	0.06	4,4,4,4	0
32	MG	a	3833	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3835	1/1	0.99	0.05	4,4,4,4	0
32	MG	a	3836	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	3837	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3643	1/1	0.99	0.08	95,95,95,95	0
32	MG	a	3843	1/1	0.99	0.03	1,1,1,1	0
32	MG	a	3844	1/1	0.99	0.05	2,2,2,2	0
32	MG	a	3845	1/1	0.99	0.06	5,5,5,5	0
32	MG	a	3846	1/1	0.99	0.04	0,0,0,0	0
32	MG	a	3847	1/1	0.99	0.08	19,19,19,19	0
32	MG	a	3848	1/1	0.99	0.05	26,26,26,26	0
32	MG	a	3849	1/1	0.99	0.04	7,7,7,7	0
32	MG	a	3851	1/1	0.99	0.03	13,13,13,13	0
32	MG	a	3852	1/1	0.99	0.07	28,28,28,28	0
32	MG	a	3853	1/1	0.99	0.02	49,49,49,49	0
32	MG	A	3644	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3855	1/1	0.99	0.06	31,31,31,31	0
32	MG	a	3856	1/1	0.99	0.04	3,3,3,3	0
32	MG	A	3936	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3859	1/1	0.99	0.04	11,11,11,11	0
32	MG	a	3860	1/1	0.99	0.04	56,56,56,56	0
32	MG	a	3862	1/1	0.99	0.06	81,81,81,81	0
32	MG	a	3864	1/1	0.99	0.06	5,5,5,5	0
32	MG	a	3865	1/1	0.99	0.02	2,2,2,2	0
32	MG	a	3867	1/1	0.99	0.08	95,95,95,95	0
32	MG	a	3868	1/1	0.99	0.03	7,7,7,7	0
32	MG	A	3937	1/1	0.99	0.02	18,18,18,18	0
32	MG	a	3870	1/1	0.99	0.04	59,59,59,59	0
32	MG	A	3938	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3872	1/1	0.99	0.06	16,16,16,16	0
32	MG	a	3873	1/1	0.99	0.06	6,6,6,6	0
32	MG	a	3874	1/1	0.99	0.02	1,1,1,1	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3939	1/1	0.99	0.04	1,1,1,1	0
32	MG	A	3234	1/1	0.99	0.03	77,77,77,77	0
32	MG	a	3878	1/1	0.99	0.06	95,95,95,95	0
32	MG	A	3646	1/1	0.99	0.06	22,22,22,22	0
32	MG	a	3880	1/1	0.99	0.06	95,95,95,95	0
32	MG	A	3647	1/1	0.99	0.03	13,13,13,13	0
32	MG	A	3944	1/1	0.99	0.04	9,9,9,9	0
32	MG	a	3883	1/1	0.99	0.02	4,4,4,4	0
32	MG	a	3885	1/1	0.99	0.04	26,26,26,26	0
32	MG	a	3886	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3945	1/1	0.99	0.02	16,16,16,16	0
32	MG	a	3888	1/1	0.99	0.05	20,20,20,20	0
32	MG	A	3238	1/1	0.99	0.04	68,68,68,68	0
32	MG	a	3891	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3240	1/1	0.99	0.03	103,103,103,103	0
32	MG	a	3893	1/1	0.99	0.02	0,0,0,0	0
32	MG	A	3948	1/1	0.99	0.08	95,95,95,95	0
32	MG	A	3653	1/1	0.99	0.09	95,95,95,95	0
32	MG	A	3950	1/1	0.99	0.05	5,5,5,5	0
32	MG	a	3897	1/1	0.99	0.06	0,0,0,0	0
32	MG	A	3654	1/1	0.99	0.08	95,95,95,95	0
32	MG	A	3952	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3953	1/1	0.99	0.03	7,7,7,7	0
32	MG	A	3954	1/1	0.99	0.03	46,46,46,46	0
32	MG	a	3905	1/1	0.99	0.03	6,6,6,6	0
32	MG	A	3246	1/1	0.99	0.03	54,54,54,54	0
32	MG	a	3907	1/1	0.99	0.05	4,4,4,4	0
32	MG	a	3908	1/1	0.99	0.04	27,27,27,27	0
32	MG	A	3658	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	3910	1/1	0.99	0.05	58,58,58,58	0
32	MG	a	3911	1/1	0.99	0.02	3,3,3,3	0
32	MG	A	3659	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	3917	1/1	0.99	0.03	9,9,9,9	0
32	MG	a	3918	1/1	0.99	0.03	68,68,68,68	0
32	MG	a	3921	1/1	0.99	0.03	6,6,6,6	0
32	MG	A	3247	1/1	0.99	0.05	74,74,74,74	0
32	MG	A	3248	1/1	0.99	0.02	32,32,32,32	0
32	MG	A	3962	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	3926	1/1	0.99	0.02	4,4,4,4	0
32	MG	a	3927	1/1	0.99	0.03	4,4,4,4	0
32	MG	a	3928	1/1	0.99	0.04	41,41,41,41	0
32	MG	a	3929	1/1	0.99	0.11	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3931	1/1	0.99	0.03	73,73,73,73	0
32	MG	a	3932	1/1	0.99	0.08	95,95,95,95	0
32	MG	a	3933	1/1	0.99	0.03	49,49,49,49	0
32	MG	A	3963	1/1	0.99	0.03	2,2,2,2	0
32	MG	a	3935	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3936	1/1	0.99	0.07	6,6,6,6	0
32	MG	a	3937	1/1	0.99	0.06	49,49,49,49	0
32	MG	A	3964	1/1	0.99	0.02	3,3,3,3	0
32	MG	a	3939	1/1	0.99	0.03	0,0,0,0	0
32	MG	A	3965	1/1	0.99	0.04	8,8,8,8	0
32	MG	A	3966	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	3943	1/1	0.99	0.04	7,7,7,7	0
32	MG	A	3967	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	3945	1/1	0.99	0.03	14,14,14,14	0
32	MG	A	3968	1/1	0.99	0.09	22,22,22,22	0
32	MG	A	3969	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3252	1/1	0.99	0.02	76,76,76,76	0
32	MG	a	3951	1/1	0.99	0.03	15,15,15,15	0
32	MG	a	3952	1/1	0.99	0.03	1,1,1,1	0
32	MG	a	3953	1/1	0.99	0.03	5,5,5,5	0
32	MG	a	3954	1/1	0.99	0.04	34,34,34,34	0
32	MG	a	3955	1/1	0.99	0.05	82,82,82,82	0
32	MG	A	3972	1/1	0.99	0.07	20,20,20,20	0
32	MG	A	3973	1/1	0.99	0.05	17,17,17,17	0
32	MG	a	3959	1/1	0.99	0.02	7,7,7,7	0
32	MG	A	3974	1/1	0.99	0.07	10,10,10,10	0
32	MG	a	3961	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	3962	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	3963	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3976	1/1	0.99	0.05	2,2,2,2	0
32	MG	a	3965	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	3966	1/1	0.99	0.08	95,95,95,95	0
32	MG	a	3967	1/1	0.99	0.06	103,103,103,103	0
32	MG	a	3968	1/1	0.99	0.02	47,47,47,47	0
32	MG	a	3969	1/1	0.99	0.04	23,23,23,23	0
32	MG	A	3977	1/1	0.99	0.04	16,16,16,16	0
32	MG	A	3978	1/1	0.99	0.03	67,67,67,67	0
32	MG	A	3979	1/1	0.99	0.09	6,6,6,6	0
32	MG	A	3980	1/1	0.99	0.05	51,51,51,51	0
32	MG	a	3974	1/1	0.99	0.03	3,3,3,3	0
32	MG	A	3982	1/1	0.99	0.07	50,50,50,50	0
32	MG	A	3983	1/1	0.99	0.05	8,8,8,8	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3984	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	3978	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	3979	1/1	0.99	0.06	23,23,23,23	0
32	MG	A	3985	1/1	0.99	0.05	2,2,2,2	0
32	MG	a	3981	1/1	0.99	0.04	23,23,23,23	0
32	MG	A	3663	1/1	0.99	0.04	11,11,11,11	0
32	MG	a	3983	1/1	0.99	0.01	12,12,12,12	0
32	MG	A	3260	1/1	0.99	0.03	62,62,62,62	0
32	MG	a	3986	1/1	0.99	0.03	5,5,5,5	0
32	MG	A	3665	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	3990	1/1	0.99	0.01	16,16,16,16	0
32	MG	A	3666	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	3991	1/1	0.99	0.02	4,4,4,4	0
32	MG	a	3992	1/1	0.99	0.03	19,19,19,19	0
32	MG	a	3993	1/1	0.99	0.02	2,2,2,2	0
32	MG	a	3994	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3992	1/1	0.99	0.02	33,33,33,33	0
32	MG	a	3997	1/1	0.99	0.04	55,55,55,55	0
32	MG	a	3998	1/1	0.99	0.04	1,1,1,1	0
32	MG	a	3999	1/1	0.99	0.07	95,95,95,95	0
32	MG	a	4000	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4001	1/1	0.99	0.04	0,0,0,0	0
32	MG	a	4002	1/1	0.99	0.05	2,2,2,2	0
32	MG	a	4003	1/1	0.99	0.04	1,1,1,1	0
32	MG	a	4005	1/1	0.99	0.06	24,24,24,24	0
32	MG	a	4007	1/1	0.99	0.05	85,85,85,85	0
32	MG	A	3668	1/1	0.99	0.06	59,59,59,59	0
32	MG	a	4009	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4011	1/1	0.99	0.07	6,6,6,6	0
32	MG	A	3994	1/1	0.99	0.03	22,22,22,22	0
32	MG	A	3669	1/1	0.99	0.06	6,6,6,6	0
32	MG	A	3997	1/1	0.99	0.03	22,22,22,22	0
32	MG	A	3670	1/1	0.99	0.10	95,95,95,95	0
32	MG	a	4018	1/1	0.99	0.05	31,31,31,31	0
32	MG	a	4019	1/1	0.99	0.05	13,13,13,13	0
32	MG	A	4000	1/1	0.99	0.04	12,12,12,12	0
32	MG	A	4001	1/1	0.99	0.03	19,19,19,19	0
32	MG	a	4022	1/1	0.99	0.04	25,25,25,25	0
32	MG	a	4023	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	4002	1/1	0.99	0.06	18,18,18,18	0
32	MG	a	4025	1/1	0.99	0.03	0,0,0,0	0
32	MG	a	4026	1/1	0.99	0.03	11,11,11,11	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4027	1/1	0.99	0.02	15,15,15,15	0
32	MG	a	4028	1/1	0.99	0.04	31,31,31,31	0
32	MG	A	3261	1/1	0.99	0.04	67,67,67,67	0
32	MG	A	3015	1/1	0.99	0.03	53,53,53,53	0
32	MG	a	4032	1/1	0.99	0.03	13,13,13,13	0
32	MG	A	4006	1/1	0.99	0.02	38,38,38,38	0
32	MG	a	4034	1/1	0.99	0.05	15,15,15,15	0
32	MG	A	4007	1/1	0.99	0.02	15,15,15,15	0
32	MG	A	4008	1/1	0.99	0.02	22,22,22,22	0
32	MG	a	4040	1/1	0.99	0.07	7,7,7,7	0
32	MG	a	4041	1/1	0.99	0.02	95,95,95,95	0
32	MG	a	4042	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3673	1/1	0.99	0.07	7,7,7,7	0
32	MG	a	4044	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4045	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4047	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	4011	1/1	0.99	0.02	31,31,31,31	0
32	MG	a	4049	1/1	0.99	0.02	2,2,2,2	0
32	MG	a	4050	1/1	0.99	0.05	2,2,2,2	0
32	MG	A	4012	1/1	0.99	0.03	23,23,23,23	0
32	MG	A	4013	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4053	1/1	0.99	0.02	6,6,6,6	0
32	MG	a	4054	1/1	0.99	0.04	1,1,1,1	0
32	MG	A	4014	1/1	0.99	0.01	18,18,18,18	0
32	MG	a	4056	1/1	0.99	0.03	1,1,1,1	0
32	MG	A	4015	1/1	0.99	0.03	21,21,21,21	0
32	MG	a	4059	1/1	0.99	0.02	95,95,95,95	0
32	MG	a	4060	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	3675	1/1	0.99	0.09	95,95,95,95	0
32	MG	a	4064	1/1	0.99	0.06	41,41,41,41	0
32	MG	a	4065	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4017	1/1	0.99	0.03	38,38,38,38	0
32	MG	a	4067	1/1	0.99	0.08	54,54,54,54	0
32	MG	a	4068	1/1	0.99	0.03	3,3,3,3	0
32	MG	A	3676	1/1	0.99	0.04	56,56,56,56	0
32	MG	a	4070	1/1	0.99	0.03	38,38,38,38	0
32	MG	a	4071	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	4072	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3677	1/1	0.99	0.03	1,1,1,1	0
32	MG	a	4075	1/1	0.99	0.03	18,18,18,18	0
32	MG	a	4077	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4078	1/1	0.99	0.03	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4080	1/1	0.99	0.06	95,95,95,95	0
32	MG	A	4021	1/1	0.99	0.03	22,22,22,22	0
32	MG	A	3265	1/1	0.99	0.04	48,48,48,48	0
32	MG	A	3280	1/1	0.99	0.03	51,51,51,51	0
32	MG	A	3682	1/1	0.99	0.05	6,6,6,6	0
32	MG	A	4025	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	4026	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	4027	1/1	0.99	0.04	14,14,14,14	0
32	MG	a	4088	1/1	0.99	0.07	95,95,95,95	0
32	MG	a	4090	1/1	0.99	0.05	73,73,73,73	0
32	MG	a	4091	1/1	0.99	0.06	12,12,12,12	0
32	MG	a	4092	1/1	0.99	0.03	19,19,19,19	0
32	MG	a	4093	1/1	0.99	0.02	1,1,1,1	0
32	MG	a	4095	1/1	0.99	0.08	12,12,12,12	0
32	MG	A	3281	1/1	0.99	0.05	59,59,59,59	0
32	MG	a	4097	1/1	0.99	0.03	21,21,21,21	0
32	MG	a	4098	1/1	0.99	0.06	61,61,61,61	0
32	MG	A	4029	1/1	0.99	0.03	21,21,21,21	0
32	MG	a	4103	1/1	0.99	0.04	4,4,4,4	0
32	MG	A	4030	1/1	0.99	0.04	19,19,19,19	0
32	MG	A	3684	1/1	0.99	0.04	20,20,20,20	0
32	MG	a	4108	1/1	0.99	0.03	3,3,3,3	0
32	MG	A	3294	1/1	0.99	0.03	90,90,90,90	0
32	MG	a	4110	1/1	0.99	0.02	0,0,0,0	0
32	MG	A	4033	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4114	1/1	0.99	0.02	95,95,95,95	0
32	MG	a	4115	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4116	1/1	0.99	0.02	7,7,7,7	0
32	MG	A	4034	1/1	0.99	0.01	30,30,30,30	0
32	MG	a	4119	1/1	0.99	0.04	32,32,32,32	0
32	MG	A	4035	1/1	0.99	0.02	33,33,33,33	0
32	MG	a	4121	1/1	0.99	0.02	45,45,45,45	0
32	MG	A	4036	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	4037	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	4038	1/1	0.99	0.01	19,19,19,19	0
32	MG	a	4126	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	4128	1/1	0.99	0.04	23,23,23,23	0
32	MG	a	4129	1/1	0.99	0.03	3,3,3,3	0
32	MG	a	4130	1/1	0.99	0.02	14,14,14,14	0
32	MG	A	3686	1/1	0.99	0.03	14,14,14,14	0
32	MG	A	4040	1/1	0.99	0.03	24,24,24,24	0
32	MG	A	3687	1/1	0.99	0.04	11,11,11,11	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4043	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4136	1/1	0.99	0.04	7,7,7,7	0
32	MG	A	4044	1/1	0.99	0.01	27,27,27,27	0
32	MG	A	4045	1/1	0.99	0.01	28,28,28,28	0
32	MG	A	4046	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4140	1/1	0.99	0.01	2,2,2,2	0
32	MG	a	4141	1/1	0.99	0.02	1,1,1,1	0
32	MG	A	3688	1/1	0.99	0.05	8,8,8,8	0
32	MG	a	4143	1/1	0.99	0.01	3,3,3,3	0
32	MG	A	4048	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4146	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3689	1/1	0.99	0.03	9,9,9,9	0
32	MG	A	4050	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	4051	1/1	0.99	0.02	23,23,23,23	0
32	MG	A	3690	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	4151	1/1	0.99	0.04	3,3,3,3	0
32	MG	A	4053	1/1	0.99	0.04	24,24,24,24	0
32	MG	a	4154	1/1	0.99	0.09	95,95,95,95	0
32	MG	a	4155	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	4054	1/1	0.99	0.03	30,30,30,30	0
32	MG	a	4158	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4159	1/1	0.99	0.09	95,95,95,95	0
32	MG	a	4161	1/1	0.99	0.03	0,0,0,0	0
32	MG	a	4162	1/1	0.99	0.05	17,17,17,17	0
32	MG	A	4055	1/1	0.99	0.03	35,35,35,35	0
32	MG	A	4056	1/1	0.99	0.04	26,26,26,26	0
32	MG	a	4166	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	4167	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3691	1/1	0.99	0.03	13,13,13,13	0
32	MG	A	3300	1/1	0.99	0.03	49,49,49,49	0
32	MG	a	4170	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4171	1/1	0.99	0.04	15,15,15,15	0
32	MG	a	4173	1/1	0.99	0.02	40,40,40,40	0
32	MG	a	4174	1/1	0.99	0.01	3,3,3,3	0
32	MG	A	4059	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4176	1/1	0.99	0.04	95,95,95,95	0
32	MG	a	4177	1/1	0.99	0.02	95,95,95,95	0
32	MG	A	4060	1/1	0.99	0.04	27,27,27,27	0
32	MG	A	3301	1/1	0.99	0.03	70,70,70,70	0
32	MG	A	4062	1/1	0.99	0.03	19,19,19,19	0
32	MG	A	4063	1/1	0.99	0.04	28,28,28,28	0
32	MG	A	4064	1/1	0.99	0.04	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4186	1/1	0.99	0.05	7,7,7,7	0
32	MG	a	4187	1/1	0.99	0.08	95,95,95,95	0
32	MG	a	4188	1/1	0.99	0.06	55,55,55,55	0
32	MG	A	4065	1/1	0.99	0.03	37,37,37,37	0
32	MG	a	4191	1/1	0.99	0.04	4,4,4,4	0
32	MG	A	4066	1/1	0.99	0.03	32,32,32,32	0
32	MG	a	4193	1/1	0.99	0.03	0,0,0,0	0
32	MG	a	4195	1/1	0.99	0.04	28,28,28,28	0
32	MG	a	4196	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	3695	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	4069	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4199	1/1	0.99	0.02	3,3,3,3	0
32	MG	A	4070	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4203	1/1	0.99	0.03	95,95,95,95	0
32	MG	a	4204	1/1	0.99	0.07	95,95,95,95	0
32	MG	a	4205	1/1	0.99	0.04	1,1,1,1	0
32	MG	A	4071	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4207	1/1	0.99	0.02	95,95,95,95	0
32	MG	A	3305	1/1	0.99	0.06	63,63,63,63	0
32	MG	A	3316	1/1	0.99	0.06	74,74,74,74	0
32	MG	A	3698	1/1	0.99	0.05	38,38,38,38	0
32	MG	a	4215	1/1	0.99	0.04	19,19,19,19	0
32	MG	a	4216	1/1	0.99	0.04	12,12,12,12	0
32	MG	a	4217	1/1	0.99	0.06	9,9,9,9	0
32	MG	a	4218	1/1	0.99	0.04	43,43,43,43	0
32	MG	a	4219	1/1	0.99	0.05	5,5,5,5	0
32	MG	A	4075	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	4076	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4223	1/1	0.99	0.05	13,13,13,13	0
32	MG	A	4077	1/1	0.99	0.01	23,23,23,23	0
32	MG	A	4078	1/1	0.99	0.02	30,30,30,30	0
32	MG	a	4226	1/1	0.99	0.05	41,41,41,41	0
32	MG	a	4227	1/1	0.99	0.04	17,17,17,17	0
32	MG	a	4228	1/1	0.99	0.04	7,7,7,7	0
32	MG	a	4230	1/1	0.99	0.02	47,47,47,47	0
32	MG	a	4231	1/1	0.99	0.03	1,1,1,1	0
32	MG	a	4232	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	4233	1/1	0.99	0.04	10,10,10,10	0
32	MG	a	4234	1/1	0.99	0.02	1,1,1,1	0
32	MG	A	3318	1/1	0.99	0.06	55,55,55,55	0
32	MG	a	4236	1/1	0.99	0.04	9,9,9,9	0
32	MG	a	4237	1/1	0.99	0.04	15,15,15,15	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4238	1/1	0.99	0.04	11,11,11,11	0
32	MG	a	4239	1/1	0.99	0.04	38,38,38,38	0
32	MG	a	4241	1/1	0.99	0.08	41,41,41,41	0
32	MG	A	4081	1/1	0.99	0.04	23,23,23,23	0
32	MG	a	4243	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	3320	1/1	0.99	0.04	66,66,66,66	0
32	MG	A	4083	1/1	0.99	0.04	26,26,26,26	0
32	MG	A	3323	1/1	0.99	0.03	79,79,79,79	0
32	MG	a	4247	1/1	0.99	0.02	0,0,0,0	0
32	MG	a	4250	1/1	0.99	0.06	95,95,95,95	0
32	MG	a	4251	1/1	0.99	0.05	1,1,1,1	0
32	MG	a	4252	1/1	0.99	0.03	15,15,15,15	0
32	MG	a	4253	1/1	0.99	0.03	6,6,6,6	0
32	MG	a	4254	1/1	0.99	0.10	95,95,95,95	0
32	MG	A	4085	1/1	0.99	0.05	21,21,21,21	0
32	MG	a	4257	1/1	0.99	0.01	28,28,28,28	0
32	MG	A	3334	1/1	0.99	0.03	43,43,43,43	0
32	MG	a	4259	1/1	0.99	0.03	18,18,18,18	0
32	MG	A	4088	1/1	0.99	0.04	31,31,31,31	0
32	MG	A	3335	1/1	0.99	0.04	66,66,66,66	0
32	MG	a	4262	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4263	1/1	0.99	0.01	21,21,21,21	0
32	MG	A	4090	1/1	0.99	0.05	30,30,30,30	0
32	MG	a	4265	1/1	0.99	0.03	27,27,27,27	0
32	MG	A	3344	1/1	0.99	0.05	71,71,71,71	0
32	MG	A	4092	1/1	0.99	0.09	24,24,24,24	0
32	MG	a	4268	1/1	0.99	0.01	25,25,25,25	0
32	MG	A	4093	1/1	0.99	0.05	28,28,28,28	0
32	MG	a	4270	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4272	1/1	0.99	0.01	32,32,32,32	0
32	MG	a	4273	1/1	0.99	0.05	15,15,15,15	0
32	MG	a	4274	1/1	0.99	0.04	29,29,29,29	0
32	MG	a	4275	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4276	1/1	0.99	0.03	24,24,24,24	0
32	MG	A	4094	1/1	0.99	0.04	32,32,32,32	0
32	MG	a	4278	1/1	0.99	0.01	23,23,23,23	0
32	MG	A	4095	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4281	1/1	0.99	0.05	25,25,25,25	0
32	MG	A	4096	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	3355	1/1	0.99	0.03	60,60,60,60	0
32	MG	A	4098	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4285	1/1	0.99	0.01	28,28,28,28	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4099	1/1	0.99	0.03	32,32,32,32	0
32	MG	a	4287	1/1	0.99	0.01	29,29,29,29	0
32	MG	a	4288	1/1	0.99	0.03	29,29,29,29	0
32	MG	a	4289	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4290	1/1	0.99	0.03	19,19,19,19	0
32	MG	A	3707	1/1	0.99	0.03	5,5,5,5	0
32	MG	a	4293	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4294	1/1	0.99	0.08	29,29,29,29	0
32	MG	A	3708	1/1	0.99	0.08	95,95,95,95	0
32	MG	A	4102	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	3709	1/1	0.99	0.02	95,95,95,95	0
32	MG	A	3710	1/1	0.99	0.04	13,13,13,13	0
32	MG	A	3711	1/1	0.99	0.06	16,16,16,16	0
32	MG	a	4300	1/1	0.99	0.04	25,25,25,25	0
32	MG	A	4107	1/1	0.99	0.05	19,19,19,19	0
32	MG	a	4302	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4303	1/1	0.99	0.05	21,21,21,21	0
32	MG	a	4305	1/1	0.99	0.03	30,30,30,30	0
32	MG	a	4306	1/1	0.99	0.04	21,21,21,21	0
32	MG	a	4307	1/1	0.99	0.03	23,23,23,23	0
32	MG	a	4309	1/1	0.99	0.03	25,25,25,25	0
32	MG	A	3362	1/1	0.99	0.04	70,70,70,70	0
32	MG	A	4110	1/1	0.99	0.03	23,23,23,23	0
32	MG	A	4111	1/1	0.99	0.03	27,27,27,27	0
32	MG	A	4112	1/1	0.99	0.09	23,23,23,23	0
32	MG	A	4113	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4114	1/1	0.99	0.04	27,27,27,27	0
32	MG	A	3714	1/1	0.99	0.08	17,17,17,17	0
32	MG	A	3364	1/1	0.99	0.03	74,74,74,74	0
32	MG	a	4318	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4319	1/1	0.99	0.03	24,24,24,24	0
32	MG	A	4117	1/1	0.99	0.02	37,37,37,37	0
32	MG	A	3718	1/1	0.99	0.03	11,11,11,11	0
32	MG	a	4323	1/1	0.99	0.03	27,27,27,27	0
32	MG	a	4324	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	3720	1/1	0.99	0.08	14,14,14,14	0
32	MG	a	4326	1/1	0.99	0.03	31,31,31,31	0
32	MG	a	4327	1/1	0.99	0.02	23,23,23,23	0
32	MG	a	4328	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	4120	1/1	0.99	0.04	27,27,27,27	0
32	MG	A	3721	1/1	0.99	0.06	95,95,95,95	0
32	MG	A	4123	1/1	0.99	0.03	23,23,23,23	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4334	1/1	0.99	0.02	23,23,23,23	0
32	MG	A	4124	1/1	0.99	0.04	30,30,30,30	0
32	MG	A	4125	1/1	0.99	0.04	29,29,29,29	0
32	MG	a	4337	1/1	0.99	0.04	29,29,29,29	0
32	MG	a	4338	1/1	0.99	0.03	21,21,21,21	0
32	MG	a	4339	1/1	0.99	0.05	28,28,28,28	0
32	MG	a	4340	1/1	0.99	0.03	31,31,31,31	0
32	MG	a	4341	1/1	0.99	0.03	32,32,32,32	0
32	MG	A	3365	1/1	0.99	0.05	50,50,50,50	0
32	MG	a	4345	1/1	0.99	0.01	22,22,22,22	0
32	MG	a	4346	1/1	0.99	0.02	23,23,23,23	0
32	MG	a	4347	1/1	0.99	0.01	27,27,27,27	0
32	MG	a	4348	1/1	0.99	0.02	20,20,20,20	0
32	MG	a	4349	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	4128	1/1	0.99	0.02	21,21,21,21	0
32	MG	a	4351	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4352	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4129	1/1	0.99	0.05	25,25,25,25	0
32	MG	a	4354	1/1	0.99	0.03	22,22,22,22	0
32	MG	a	4355	1/1	0.99	0.01	25,25,25,25	0
32	MG	A	3382	1/1	0.99	0.03	54,54,54,54	0
32	MG	A	4131	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4359	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	3725	1/1	0.99	0.06	0,0,0,0	0
32	MG	a	4362	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4364	1/1	0.99	0.02	30,30,30,30	0
32	MG	a	4365	1/1	0.99	0.02	33,33,33,33	0
32	MG	A	4133	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4367	1/1	0.99	0.02	31,31,31,31	0
32	MG	a	4368	1/1	0.99	0.03	32,32,32,32	0
32	MG	A	3726	1/1	0.99	0.06	27,27,27,27	0
32	MG	A	3727	1/1	0.99	0.02	6,6,6,6	0
32	MG	a	4371	1/1	0.99	0.04	33,33,33,33	0
32	MG	a	4372	1/1	0.99	0.05	24,24,24,24	0
32	MG	A	4136	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	4137	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	3413	1/1	0.99	0.03	96,96,96,96	0
32	MG	a	4377	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	4140	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4141	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4380	1/1	0.99	0.04	28,28,28,28	0
32	MG	a	4381	1/1	0.99	0.03	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4382	1/1	0.99	0.03	30,30,30,30	0
32	MG	a	4383	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4386	1/1	0.99	0.03	19,19,19,19	0
32	MG	a	4387	1/1	0.99	0.02	33,33,33,33	0
32	MG	a	4388	1/1	0.99	0.01	27,27,27,27	0
32	MG	a	4389	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4391	1/1	0.99	0.01	21,21,21,21	0
32	MG	A	4143	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4393	1/1	0.99	0.02	14,14,14,14	0
32	MG	A	3730	1/1	0.99	0.07	21,21,21,21	0
32	MG	A	4145	1/1	0.99	0.03	25,25,25,25	0
32	MG	A	3414	1/1	0.99	0.03	53,53,53,53	0
32	MG	a	4397	1/1	0.99	0.01	28,28,28,28	0
32	MG	a	4398	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4399	1/1	0.99	0.01	23,23,23,23	0
32	MG	A	4147	1/1	0.99	0.02	23,23,23,23	0
32	MG	A	3732	1/1	0.99	0.04	13,13,13,13	0
32	MG	a	4402	1/1	0.99	0.04	24,24,24,24	0
32	MG	A	4149	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4404	1/1	0.99	0.02	24,24,24,24	0
32	MG	A	4150	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	3416	1/1	0.99	0.05	53,53,53,53	0
32	MG	A	4152	1/1	0.99	0.02	31,31,31,31	0
32	MG	a	4408	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4409	1/1	0.99	0.02	30,30,30,30	0
32	MG	a	4412	1/1	0.99	0.02	36,36,36,36	0
32	MG	A	4153	1/1	0.99	0.01	27,27,27,27	0
32	MG	a	4414	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4415	1/1	0.99	0.01	24,24,24,24	0
32	MG	a	4416	1/1	0.99	0.03	35,35,35,35	0
32	MG	a	4417	1/1	0.99	0.07	31,31,31,31	0
32	MG	A	3418	1/1	0.99	0.02	73,73,73,73	0
32	MG	a	4419	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4420	1/1	0.99	0.02	21,21,21,21	0
32	MG	a	4421	1/1	0.99	0.03	22,22,22,22	0
32	MG	A	3735	1/1	0.99	0.07	95,95,95,95	0
32	MG	a	4423	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4424	1/1	0.99	0.03	14,14,14,14	0
32	MG	a	4426	1/1	0.99	0.07	31,31,31,31	0
32	MG	A	4157	1/1	0.99	0.02	34,34,34,34	0
32	MG	a	4428	1/1	0.99	0.03	33,33,33,33	0
32	MG	A	4158	1/1	0.99	0.04	25,25,25,25	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4431	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4434	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	3736	1/1	0.99	0.05	95,95,95,95	0
32	MG	a	4436	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4437	1/1	0.99	0.02	31,31,31,31	0
32	MG	A	3737	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	4163	1/1	0.99	0.02	21,21,21,21	0
32	MG	a	4443	1/1	0.99	0.03	22,22,22,22	0
32	MG	a	4444	1/1	0.99	0.04	24,24,24,24	0
32	MG	A	4164	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	4165	1/1	0.99	0.03	32,32,32,32	0
32	MG	a	4447	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4448	1/1	0.99	0.02	31,31,31,31	0
32	MG	A	3738	1/1	0.99	0.07	95,95,95,95	0
32	MG	a	4450	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4451	1/1	0.99	0.04	34,34,34,34	0
32	MG	A	4167	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4453	1/1	0.99	0.04	21,21,21,21	0
32	MG	A	4168	1/1	0.99	0.04	23,23,23,23	0
32	MG	a	4455	1/1	0.99	0.02	30,30,30,30	0
32	MG	A	3422	1/1	0.99	0.08	56,56,56,56	0
32	MG	a	4458	1/1	0.99	0.03	27,27,27,27	0
32	MG	A	4170	1/1	0.99	0.04	26,26,26,26	0
32	MG	a	4460	1/1	0.99	0.05	27,27,27,27	0
32	MG	a	4461	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4462	1/1	0.99	0.04	29,29,29,29	0
32	MG	a	4463	1/1	0.99	0.03	29,29,29,29	0
32	MG	a	4464	1/1	0.99	0.03	33,33,33,33	0
32	MG	a	4465	1/1	0.99	0.08	22,22,22,22	0
32	MG	a	4467	1/1	0.99	0.01	24,24,24,24	0
32	MG	a	4468	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	3740	1/1	0.99	0.02	4,4,4,4	0
32	MG	a	4470	1/1	0.99	0.02	30,30,30,30	0
32	MG	a	4471	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4474	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	4172	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4476	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4477	1/1	0.99	0.03	25,25,25,25	0
32	MG	a	4478	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4481	1/1	0.99	0.04	28,28,28,28	0
32	MG	A	4173	1/1	0.99	0.01	30,30,30,30	0
32	MG	a	4483	1/1	0.99	0.02	25,25,25,25	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4174	1/1	0.99	0.02	26,26,26,26	0
32	MG	a	4485	1/1	0.99	0.02	32,32,32,32	0
32	MG	A	4175	1/1	0.99	0.02	23,23,23,23	0
32	MG	a	4487	1/1	0.99	0.02	34,34,34,34	0
32	MG	A	3444	1/1	0.99	0.01	109,109,109,109	0
32	MG	a	4489	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4491	1/1	0.99	0.02	24,24,24,24	0
32	MG	a	4492	1/1	0.99	0.03	22,22,22,22	0
32	MG	A	4177	1/1	0.99	0.01	20,20,20,20	0
32	MG	a	4494	1/1	0.99	0.04	27,27,27,27	0
32	MG	a	4495	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4496	1/1	0.99	0.03	27,27,27,27	0
32	MG	a	4497	1/1	0.99	0.03	23,23,23,23	0
32	MG	A	3459	1/1	0.99	0.02	67,67,67,67	0
32	MG	A	4179	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	4180	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	4181	1/1	0.99	0.03	29,29,29,29	0
32	MG	a	4504	1/1	0.99	0.02	30,30,30,30	0
32	MG	A	3744	1/1	0.99	0.05	19,19,19,19	0
32	MG	a	4507	1/1	0.99	0.03	25,25,25,25	0
32	MG	a	4508	1/1	0.99	0.04	20,20,20,20	0
32	MG	A	4183	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4510	1/1	0.99	0.02	22,22,22,22	0
32	MG	a	4511	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4513	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	4184	1/1	0.99	0.04	28,28,28,28	0
32	MG	A	4185	1/1	0.99	0.02	30,30,30,30	0
32	MG	a	4516	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4517	1/1	0.99	0.02	35,35,35,35	0
32	MG	a	4518	1/1	0.99	0.01	24,24,24,24	0
32	MG	A	4186	1/1	0.99	0.02	19,19,19,19	0
32	MG	a	4520	1/1	0.99	0.02	19,19,19,19	0
32	MG	a	4521	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4522	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	3466	1/1	0.99	0.03	69,69,69,69	0
32	MG	a	4524	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4525	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4526	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	4190	1/1	0.99	0.01	34,34,34,34	0
32	MG	A	4192	1/1	0.99	0.04	31,31,31,31	0
32	MG	a	4530	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	3472	1/1	0.99	0.07	63,63,63,63	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4533	1/1	0.99	0.04	32,32,32,32	0
32	MG	a	4534	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4194	1/1	0.99	0.05	34,34,34,34	0
32	MG	a	4536	1/1	0.99	0.03	29,29,29,29	0
32	MG	a	4537	1/1	0.99	0.05	24,24,24,24	0
32	MG	a	4538	1/1	0.99	0.04	27,27,27,27	0
32	MG	a	4539	1/1	0.99	0.03	31,31,31,31	0
32	MG	a	4540	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4195	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4544	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4545	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4546	1/1	0.99	0.02	25,25,25,25	0
32	MG	a	4547	1/1	0.99	0.02	32,32,32,32	0
32	MG	A	4196	1/1	0.99	0.04	26,26,26,26	0
32	MG	a	4549	1/1	0.99	0.02	31,31,31,31	0
32	MG	a	4550	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	3480	1/1	0.99	0.04	72,72,72,72	0
32	MG	a	4553	1/1	0.99	0.01	27,27,27,27	0
32	MG	a	4554	1/1	0.99	0.01	26,26,26,26	0
32	MG	a	4555	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4557	1/1	0.99	0.01	26,26,26,26	0
32	MG	a	4558	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4559	1/1	0.99	0.03	30,30,30,30	0
32	MG	A	4198	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4561	1/1	0.99	0.04	27,27,27,27	0
32	MG	a	4563	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4199	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	3748	1/1	0.99	0.02	5,5,5,5	0
32	MG	a	4566	1/1	0.99	0.06	31,31,31,31	0
32	MG	a	4567	1/1	0.99	0.03	28,28,28,28	0
32	MG	a	4570	1/1	0.99	0.02	29,29,29,29	0
32	MG	a	4571	1/1	0.99	0.02	30,30,30,30	0
32	MG	A	4201	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4573	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	4202	1/1	0.99	0.04	28,28,28,28	0
32	MG	a	4575	1/1	0.99	0.03	24,24,24,24	0
32	MG	A	4203	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	3482	1/1	0.99	0.04	79,79,79,79	0
32	MG	a	4578	1/1	0.99	0.03	25,25,25,25	0
32	MG	A	3750	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	4207	1/1	0.99	0.03	30,30,30,30	0
32	MG	A	3751	1/1	0.99	0.03	95,95,95,95	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4582	1/1	0.99	0.01	29,29,29,29	0
32	MG	a	4585	1/1	0.99	0.05	26,26,26,26	0
32	MG	A	3483	1/1	0.99	0.03	84,84,84,84	0
32	MG	A	3489	1/1	0.99	0.03	81,81,81,81	0
32	MG	a	4589	1/1	0.99	0.02	30,30,30,30	0
32	MG	A	4214	1/1	0.99	0.06	30,30,30,30	0
32	MG	A	4215	1/1	0.99	0.04	31,31,31,31	0
32	MG	a	4594	1/1	0.99	0.01	27,27,27,27	0
32	MG	A	4216	1/1	0.99	0.04	21,21,21,21	0
32	MG	a	4597	1/1	0.99	0.02	28,28,28,28	0
32	MG	a	4598	1/1	0.99	0.03	30,30,30,30	0
32	MG	A	4218	1/1	0.99	0.05	28,28,28,28	0
32	MG	a	4600	1/1	0.99	0.04	29,29,29,29	0
32	MG	a	4601	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	4219	1/1	0.99	0.04	25,25,25,25	0
32	MG	A	4220	1/1	0.99	0.01	27,27,27,27	0
32	MG	a	4604	1/1	0.99	0.07	29,29,29,29	0
32	MG	a	4605	1/1	0.99	0.04	23,23,23,23	0
32	MG	A	4221	1/1	0.99	0.02	27,27,27,27	0
32	MG	a	4608	1/1	0.99	0.03	26,26,26,26	0
32	MG	a	4609	1/1	0.99	0.05	30,30,30,30	0
32	MG	a	4611	1/1	0.99	0.04	22,22,22,22	0
32	MG	A	3031	1/1	0.99	0.04	91,91,91,91	0
32	MG	A	4223	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4224	1/1	0.99	0.02	22,22,22,22	0
32	MG	b	202	1/1	0.99	0.04	119,119,119,119	0
32	MG	b	211	1/1	0.99	0.03	68,68,68,68	0
32	MG	b	212	1/1	0.99	0.03	6,6,6,6	0
32	MG	b	213	1/1	0.99	0.03	22,22,22,22	0
32	MG	b	215	1/1	0.99	0.05	1,1,1,1	0
32	MG	A	4225	1/1	0.99	0.03	26,26,26,26	0
32	MG	b	218	1/1	0.99	0.03	30,30,30,30	0
32	MG	b	219	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	4226	1/1	0.99	0.02	53,53,53,53	0
32	MG	b	221	1/1	0.99	0.03	23,23,23,23	0
32	MG	A	4228	1/1	0.99	0.03	25,25,25,25	0
32	MG	A	3040	1/1	0.99	0.04	83,83,83,83	0
32	MG	c	316	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	3506	1/1	0.99	0.04	77,77,77,77	0
32	MG	c	318	1/1	0.99	0.03	0,0,0,0	0
32	MG	c	319	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4232	1/1	0.99	0.01	25,25,25,25	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	c	321	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	3758	1/1	0.99	0.08	95,95,95,95	0
32	MG	A	4234	1/1	0.99	0.02	25,25,25,25	0
32	MG	c	324	1/1	0.99	0.01	26,26,26,26	0
32	MG	A	4235	1/1	0.99	0.02	24,24,24,24	0
32	MG	c	326	1/1	0.99	0.02	27,27,27,27	0
32	MG	c	327	1/1	0.99	0.04	23,23,23,23	0
32	MG	c	328	1/1	0.99	0.01	16,16,16,16	0
32	MG	c	329	1/1	0.99	0.02	25,25,25,25	0
32	MG	c	330	1/1	0.99	0.02	22,22,22,22	0
32	MG	c	331	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	4236	1/1	0.99	0.03	32,32,32,32	0
32	MG	A	4237	1/1	0.99	0.03	28,28,28,28	0
32	MG	d	317	1/1	0.99	0.04	27,27,27,27	0
32	MG	A	3759	1/1	0.99	0.01	0,0,0,0	0
32	MG	A	3761	1/1	0.99	0.04	4,4,4,4	0
32	MG	d	322	1/1	0.99	0.03	26,26,26,26	0
32	MG	d	323	1/1	0.99	0.02	25,25,25,25	0
32	MG	d	324	1/1	0.99	0.03	30,30,30,30	0
32	MG	d	325	1/1	0.99	0.01	29,29,29,29	0
32	MG	e	311	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	4240	1/1	0.99	0.02	32,32,32,32	0
32	MG	e	314	1/1	0.99	0.02	40,40,40,40	0
32	MG	e	315	1/1	0.99	0.03	14,14,14,14	0
32	MG	A	4241	1/1	0.99	0.03	50,50,50,50	0
32	MG	e	317	1/1	0.99	0.05	1,1,1,1	0
32	MG	A	4242	1/1	0.99	0.04	31,31,31,31	0
32	MG	e	320	1/1	0.99	0.03	25,25,25,25	0
32	MG	e	321	1/1	0.99	0.05	31,31,31,31	0
32	MG	e	322	1/1	0.99	0.01	29,29,29,29	0
32	MG	e	323	1/1	0.99	0.02	27,27,27,27	0
32	MG	e	324	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4244	1/1	0.99	0.05	35,35,35,35	0
32	MG	A	4245	1/1	0.99	0.04	30,30,30,30	0
32	MG	e	329	1/1	0.99	0.02	24,24,24,24	0
32	MG	A	3507	1/1	0.99	0.03	62,62,62,62	0
32	MG	A	3763	1/1	0.99	0.04	4,4,4,4	0
32	MG	e	333	1/1	0.99	0.01	26,26,26,26	0
32	MG	A	4248	1/1	0.99	0.06	33,33,33,33	0
32	MG	A	4249	1/1	0.99	0.07	30,30,30,30	0
32	MG	A	4250	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	4251	1/1	0.99	0.03	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	f	204	1/1	0.99	0.01	31,31,31,31	0
32	MG	g	201	1/1	0.99	0.01	32,32,32,32	0
32	MG	g	203	1/1	0.99	0.01	25,25,25,25	0
32	MG	g	204	1/1	0.99	0.02	30,30,30,30	0
32	MG	g	205	1/1	0.99	0.02	31,31,31,31	0
32	MG	g	206	1/1	0.99	0.02	29,29,29,29	0
32	MG	g	207	1/1	0.99	0.03	21,21,21,21	0
32	MG	A	4252	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	4253	1/1	0.99	0.05	32,32,32,32	0
32	MG	h	205	1/1	0.99	0.03	95,95,95,95	0
32	MG	h	207	1/1	0.99	0.05	95,95,95,95	0
32	MG	h	208	1/1	0.99	0.02	0,0,0,0	0
32	MG	A	3765	1/1	0.99	0.07	95,95,95,95	0
32	MG	h	210	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4255	1/1	0.99	0.04	31,31,31,31	0
32	MG	h	212	1/1	0.99	0.01	26,26,26,26	0
32	MG	A	3516	1/1	0.99	0.03	63,63,63,63	0
32	MG	h	214	1/1	0.99	0.01	19,19,19,19	0
32	MG	h	215	1/1	0.99	0.01	30,30,30,30	0
32	MG	h	216	1/1	0.99	0.03	31,31,31,31	0
32	MG	A	4257	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	4258	1/1	0.99	0.03	28,28,28,28	0
32	MG	A	4260	1/1	0.99	0.06	27,27,27,27	0
32	MG	i	209	1/1	0.99	0.03	15,15,15,15	0
32	MG	i	210	1/1	0.99	0.07	29,29,29,29	0
32	MG	i	211	1/1	0.99	0.08	18,18,18,18	0
32	MG	A	4261	1/1	0.99	0.05	31,31,31,31	0
32	MG	i	213	1/1	0.99	0.02	30,30,30,30	0
32	MG	A	4262	1/1	0.99	0.03	33,33,33,33	0
32	MG	i	216	1/1	0.99	0.02	28,28,28,28	0
32	MG	i	217	1/1	0.99	0.02	26,26,26,26	0
32	MG	A	3767	1/1	0.99	0.02	5,5,5,5	0
32	MG	A	3519	1/1	0.99	0.03	61,61,61,61	0
32	MG	A	3769	1/1	0.99	0.04	95,95,95,95	0
32	MG	i	221	1/1	0.99	0.02	27,27,27,27	0
32	MG	i	222	1/1	0.99	0.01	30,30,30,30	0
32	MG	i	223	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	4266	1/1	0.99	0.03	27,27,27,27	0
32	MG	i	225	1/1	0.99	0.06	26,26,26,26	0
32	MG	A	3528	1/1	0.99	0.04	70,70,70,70	0
32	MG	j	213	1/1	0.99	0.03	86,86,86,86	0
32	MG	j	214	1/1	0.99	0.04	42,42,42,42	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	j	215	1/1	0.99	0.05	59,59,59,59	0
32	MG	j	216	1/1	0.99	0.09	95,95,95,95	0
32	MG	A	4268	1/1	0.99	0.01	27,27,27,27	0
32	MG	A	4269	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	4270	1/1	0.99	0.01	23,23,23,23	0
32	MG	j	221	1/1	0.99	0.03	33,33,33,33	0
32	MG	k	206	1/1	0.99	0.03	8,8,8,8	0
32	MG	k	207	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4271	1/1	0.99	0.01	26,26,26,26	0
32	MG	k	209	1/1	0.99	0.02	25,25,25,25	0
32	MG	k	210	1/1	0.99	0.03	21,21,21,21	0
32	MG	A	4272	1/1	0.99	0.01	22,22,22,22	0
32	MG	A	3771	1/1	0.99	0.03	14,14,14,14	0
32	MG	k	213	1/1	0.99	0.02	25,25,25,25	0
32	MG	k	214	1/1	0.99	0.01	21,21,21,21	0
32	MG	k	215	1/1	0.99	0.04	30,30,30,30	0
32	MG	k	217	1/1	0.99	0.04	28,28,28,28	0
32	MG	k	218	1/1	0.99	0.02	33,33,33,33	0
32	MG	A	3772	1/1	0.99	0.05	26,26,26,26	0
32	MG	k	220	1/1	0.99	0.03	20,20,20,20	0
32	MG	l	210	1/1	0.99	0.04	69,69,69,69	0
32	MG	A	4275	1/1	0.99	0.02	28,28,28,28	0
32	MG	l	214	1/1	0.99	0.04	95,95,95,95	0
32	MG	A	4276	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4277	1/1	0.99	0.03	23,23,23,23	0
32	MG	m	201	1/1	0.99	0.04	73,73,73,73	0
32	MG	m	207	1/1	0.99	0.04	5,5,5,5	0
32	MG	m	208	1/1	0.99	0.03	16,16,16,16	0
32	MG	m	209	1/1	0.99	0.07	95,95,95,95	0
32	MG	m	210	1/1	0.99	0.02	49,49,49,49	0
32	MG	m	211	1/1	0.99	0.02	7,7,7,7	0
32	MG	A	3773	1/1	0.99	0.03	2,2,2,2	0
32	MG	A	3775	1/1	0.99	0.10	4,4,4,4	0
32	MG	A	3533	1/1	0.99	0.03	82,82,82,82	0
32	MG	m	216	1/1	0.99	0.02	15,15,15,15	0
32	MG	m	217	1/1	0.99	0.02	22,22,22,22	0
32	MG	A	4281	1/1	0.99	0.03	27,27,27,27	0
32	MG	m	219	1/1	0.99	0.01	21,21,21,21	0
32	MG	A	4283	1/1	0.99	0.02	24,24,24,24	0
32	MG	A	4284	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	3536	1/1	0.99	0.06	100,100,100,100	0
32	MG	n	205	1/1	0.99	0.01	28,28,28,28	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3778	1/1	0.99	0.02	94,94,94,94	0
32	MG	o	206	1/1	0.99	0.04	60,60,60,60	0
32	MG	A	4288	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	3779	1/1	0.99	0.04	17,17,17,17	0
32	MG	A	3781	1/1	0.99	0.05	6,6,6,6	0
32	MG	o	216	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	4292	1/1	0.99	0.03	27,27,27,27	0
32	MG	A	3539	1/1	0.99	0.07	80,80,80,80	0
32	MG	A	4294	1/1	0.99	0.03	26,26,26,26	0
32	MG	A	4295	1/1	0.99	0.03	24,24,24,24	0
32	MG	o	221	1/1	0.99	0.02	21,21,21,21	0
32	MG	A	3784	1/1	0.99	0.04	95,95,95,95	0
32	MG	o	223	1/1	0.99	0.03	29,29,29,29	0
32	MG	A	4297	1/1	0.99	0.04	27,27,27,27	0
32	MG	o	225	1/1	0.99	0.02	28,28,28,28	0
32	MG	A	4298	1/1	0.99	0.02	25,25,25,25	0
32	MG	o	227	1/1	0.99	0.02	23,23,23,23	0
32	MG	o	228	1/1	0.99	0.01	20,20,20,20	0
32	MG	A	4299	1/1	0.99	0.04	26,26,26,26	0
32	MG	o	230	1/1	0.99	0.02	22,22,22,22	0
32	MG	o	231	1/1	0.99	0.03	26,26,26,26	0
32	MG	p	204	1/1	0.99	0.02	83,83,83,83	0
32	MG	A	4300	1/1	0.99	0.04	30,30,30,30	0
32	MG	A	4301	1/1	0.99	0.04	15,15,15,15	0
32	MG	p	211	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	3785	1/1	0.99	0.02	90,90,90,90	0
32	MG	A	4303	1/1	0.99	0.02	31,31,31,31	0
32	MG	p	214	1/1	0.99	0.03	25,25,25,25	0
32	MG	p	215	1/1	0.99	0.04	30,30,30,30	0
32	MG	A	4304	1/1	0.99	0.10	28,28,28,28	0
32	MG	q	208	1/1	0.99	0.03	1,1,1,1	0
32	MG	q	209	1/1	0.99	0.02	4,4,4,4	0
32	MG	q	210	1/1	0.99	0.02	95,95,95,95	0
32	MG	q	211	1/1	0.99	0.02	27,27,27,27	0
32	MG	q	212	1/1	0.99	0.01	28,28,28,28	0
32	MG	q	213	1/1	0.99	0.02	28,28,28,28	0
32	MG	q	214	1/1	0.99	0.01	24,24,24,24	0
32	MG	A	4305	1/1	0.99	0.03	27,27,27,27	0
32	MG	A	4306	1/1	0.99	0.03	32,32,32,32	0
32	MG	q	218	1/1	0.99	0.02	28,28,28,28	0
32	MG	q	219	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4307	1/1	0.99	0.02	31,31,31,31	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4308	1/1	0.99	0.06	30,30,30,30	0
32	MG	q	222	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	3044	1/1	0.99	0.04	87,87,87,87	0
32	MG	q	224	1/1	0.99	0.01	28,28,28,28	0
32	MG	q	225	1/1	0.99	0.02	28,28,28,28	0
32	MG	q	226	1/1	0.99	0.01	30,30,30,30	0
32	MG	A	4310	1/1	0.99	0.05	15,15,15,15	0
32	MG	q	229	1/1	0.99	0.02	29,29,29,29	0
32	MG	A	4311	1/1	0.99	0.03	25,25,25,25	0
32	MG	r	203	1/1	0.99	0.03	57,57,57,57	0
32	MG	r	209	1/1	0.99	0.06	76,76,76,76	0
32	MG	r	211	1/1	0.99	0.03	18,18,18,18	0
32	MG	A	4312	1/1	0.99	0.04	27,27,27,27	0
32	MG	A	4313	1/1	0.99	0.02	32,32,32,32	0
32	MG	r	214	1/1	0.99	0.08	19,19,19,19	0
32	MG	r	215	1/1	0.99	0.03	95,95,95,95	0
32	MG	r	216	1/1	0.99	0.02	1,1,1,1	0
32	MG	A	4314	1/1	0.99	0.03	27,27,27,27	0
32	MG	r	219	1/1	0.99	0.04	35,35,35,35	0
32	MG	r	220	1/1	0.99	0.03	25,25,25,25	0
32	MG	r	221	1/1	0.99	0.02	29,29,29,29	0
32	MG	r	222	1/1	0.99	0.03	28,28,28,28	0
32	MG	r	223	1/1	0.99	0.02	25,25,25,25	0
32	MG	r	224	1/1	0.99	0.02	25,25,25,25	0
32	MG	r	225	1/1	0.99	0.02	25,25,25,25	0
32	MG	A	4315	1/1	0.99	0.01	27,27,27,27	0
32	MG	r	227	1/1	0.99	0.02	30,30,30,30	0
32	MG	A	4316	1/1	0.99	0.02	34,34,34,34	0
32	MG	s	104	1/1	0.99	0.03	9,9,9,9	0
32	MG	A	4318	1/1	0.99	0.05	32,32,32,32	0
32	MG	s	106	1/1	0.99	0.03	4,4,4,4	0
32	MG	s	107	1/1	0.99	0.03	28,28,28,28	0
32	MG	s	108	1/1	0.99	0.02	26,26,26,26	0
32	MG	s	109	1/1	0.99	0.04	28,28,28,28	0
32	MG	s	110	1/1	0.99	0.02	22,22,22,22	0
32	MG	t	504	1/1	0.99	0.04	95,95,95,95	0
32	MG	t	505	1/1	0.99	0.03	26,26,26,26	0
32	MG	u	316	1/1	0.99	0.02	18,18,18,18	0
32	MG	u	317	1/1	0.99	0.02	95,95,95,95	0
32	MG	A	3543	1/1	0.99	0.03	78,78,78,78	0
32	MG	A	3788	1/1	0.99	0.08	95,95,95,95	0
32	MG	A	4322	1/1	0.99	0.03	28,28,28,28	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	u	322	1/1	0.99	0.02	95,95,95,95	0
32	MG	u	323	1/1	0.99	0.01	26,26,26,26	0
32	MG	u	324	1/1	0.99	0.02	27,27,27,27	0
32	MG	u	325	1/1	0.99	0.01	27,27,27,27	0
32	MG	A	4323	1/1	0.99	0.04	22,22,22,22	0
32	MG	v	109	1/1	0.99	0.04	29,29,29,29	0
32	MG	A	3789	1/1	0.99	0.06	95,95,95,95	0
32	MG	v	111	1/1	0.99	0.02	28,28,28,28	0
32	MG	w	102	1/1	0.99	0.03	80,80,80,80	0
32	MG	A	4325	1/1	0.99	0.01	25,25,25,25	0
32	MG	w	107	1/1	0.99	0.05	95,95,95,95	0
32	MG	A	3547	1/1	0.99	0.11	98,98,98,98	0
32	MG	w	109	1/1	0.99	0.02	22,22,22,22	0
32	MG	A	3791	1/1	0.99	0.03	95,95,95,95	0
32	MG	x	105	1/1	0.99	0.03	48,48,48,48	0
32	MG	x	107	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	4328	1/1	0.99	0.01	22,22,22,22	0
32	MG	x	109	1/1	0.99	0.03	95,95,95,95	0
32	MG	A	4329	1/1	0.99	0.02	27,27,27,27	0
32	MG	A	4330	1/1	0.99	0.01	29,29,29,29	0
32	MG	A	3549	1/1	0.99	0.04	78,78,78,78	0
32	MG	y	607	1/1	0.99	0.03	9,9,9,9	0
32	MG	y	608	1/1	0.99	0.03	29,29,29,29	0
32	MG	y	609	1/1	0.99	0.03	29,29,29,29	0
32	MG	z	502	1/1	0.99	0.02	23,23,23,23	0
32	MG	A	4332	1/1	0.99	0.01	24,24,24,24	0
32	MG	z	504	1/1	0.99	0.02	26,26,26,26	0
32	MG	z	505	1/1	0.99	0.01	23,23,23,23	0
32	MG	A	3793	1/1	0.99	0.01	15,15,15,15	0
32	MG	5	103	1/1	0.99	0.04	40,40,40,40	0
32	MG	5	104	1/1	0.99	0.02	9,9,9,9	0
32	MG	A	3794	1/1	0.99	0.02	7,7,7,7	0
32	MG	5	106	1/1	0.99	0.09	95,95,95,95	0
32	MG	5	107	1/1	0.99	0.02	21,21,21,21	0
32	MG	5	108	1/1	0.99	0.03	30,30,30,30	0
32	MG	A	4335	1/1	0.99	0.03	18,18,18,18	0
32	MG	7	104	1/1	0.99	0.04	8,8,8,8	0
32	MG	7	105	1/1	0.99	0.04	19,19,19,19	0
32	MG	A	4336	1/1	0.99	0.04	27,27,27,27	0
32	MG	7	107	1/1	0.99	0.05	33,33,33,33	0
32	MG	8	104	1/1	0.99	0.03	9,9,9,9	0
32	MG	A	4337	1/1	0.99	0.04	33,33,33,33	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	8	107	1/1	0.99	0.01	29,29,29,29	0
32	MG	8	108	1/1	0.99	0.06	29,29,29,29	0
32	MG	A	4338	1/1	0.99	0.02	25,25,25,25	0
32	MG	8	111	1/1	0.99	0.06	29,29,29,29	0
32	MG	8	112	1/1	0.99	0.05	30,30,30,30	0
32	MG	9	103	1/1	0.99	0.05	67,67,67,67	0
32	MG	A	3795	1/1	0.99	0.04	26,26,26,26	0
32	MG	A	3796	1/1	0.99	0.06	95,95,95,95	0
33	ZN	z	501	1/1	0.99	0.02	176,176,176,176	0
33	ZN	6	501	1/1	0.99	0.03	233,233,233,233	0
32	MG	A	3392	1/1	1.00	0.03	72,72,72,72	0
32	MG	a	3305	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3306	1/1	1.00	0.02	35,35,35,35	0
32	MG	a	3307	1/1	1.00	0.02	48,48,48,48	0
32	MG	A	3393	1/1	1.00	0.02	57,57,57,57	0
32	MG	a	3309	1/1	1.00	0.03	90,90,90,90	0
32	MG	a	3310	1/1	1.00	0.02	45,45,45,45	0
32	MG	a	3311	1/1	1.00	0.01	63,63,63,63	0
32	MG	A	3975	1/1	1.00	0.03	35,35,35,35	0
32	MG	a	3313	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	3314	1/1	1.00	0.03	35,35,35,35	0
32	MG	a	3315	1/1	1.00	0.03	81,81,81,81	0
32	MG	a	3316	1/1	1.00	0.01	36,36,36,36	0
32	MG	a	3317	1/1	1.00	0.03	63,63,63,63	0
32	MG	A	3394	1/1	1.00	0.01	39,39,39,39	0
32	MG	a	3319	1/1	1.00	0.02	76,76,76,76	0
32	MG	a	3320	1/1	1.00	0.03	37,37,37,37	0
32	MG	a	3321	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3322	1/1	1.00	0.02	43,43,43,43	0
32	MG	a	3323	1/1	1.00	0.03	30,30,30,30	0
32	MG	A	3395	1/1	1.00	0.03	52,52,52,52	0
32	MG	a	3325	1/1	1.00	0.02	38,38,38,38	0
32	MG	a	3326	1/1	1.00	0.02	43,43,43,43	0
32	MG	a	3327	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3328	1/1	1.00	0.03	90,90,90,90	0
32	MG	a	3329	1/1	1.00	0.04	63,63,63,63	0
32	MG	A	3396	1/1	1.00	0.02	40,40,40,40	0
32	MG	a	3331	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3332	1/1	1.00	0.02	35,35,35,35	0
32	MG	A	3397	1/1	1.00	0.01	62,62,62,62	0
32	MG	a	3334	1/1	1.00	0.04	61,61,61,61	0
32	MG	a	3335	1/1	1.00	0.03	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3336	1/1	1.00	0.01	33,33,33,33	0
32	MG	a	3337	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3338	1/1	1.00	0.04	53,53,53,53	0
32	MG	a	3339	1/1	1.00	0.03	54,54,54,54	0
32	MG	a	3340	1/1	1.00	0.02	45,45,45,45	0
32	MG	a	3341	1/1	1.00	0.02	71,71,71,71	0
32	MG	A	3398	1/1	1.00	0.05	49,49,49,49	0
32	MG	a	3343	1/1	1.00	0.04	58,58,58,58	0
32	MG	a	3344	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3345	1/1	1.00	0.02	55,55,55,55	0
32	MG	a	3346	1/1	1.00	0.03	55,55,55,55	0
32	MG	a	3347	1/1	1.00	0.03	47,47,47,47	0
32	MG	A	3981	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3349	1/1	1.00	0.01	40,40,40,40	0
32	MG	A	3399	1/1	1.00	0.03	51,51,51,51	0
32	MG	a	3351	1/1	1.00	0.02	69,69,69,69	0
32	MG	a	3352	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3353	1/1	1.00	0.03	50,50,50,50	0
32	MG	a	3354	1/1	1.00	0.02	75,75,75,75	0
32	MG	a	3355	1/1	1.00	0.03	81,81,81,81	0
32	MG	a	3356	1/1	1.00	0.03	43,43,43,43	0
32	MG	a	3357	1/1	1.00	0.04	53,53,53,53	0
32	MG	a	3358	1/1	1.00	0.01	42,42,42,42	0
32	MG	a	3359	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3360	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3361	1/1	1.00	0.02	61,61,61,61	0
32	MG	a	3362	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3363	1/1	1.00	0.03	62,62,62,62	0
32	MG	a	3364	1/1	1.00	0.04	48,48,48,48	0
32	MG	a	3365	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3366	1/1	1.00	0.03	64,64,64,64	0
32	MG	a	3367	1/1	1.00	0.01	57,57,57,57	0
32	MG	a	3368	1/1	1.00	0.03	79,79,79,79	0
32	MG	a	3369	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3370	1/1	1.00	0.04	54,54,54,54	0
32	MG	A	3400	1/1	1.00	0.02	45,45,45,45	0
32	MG	a	3372	1/1	1.00	0.06	74,74,74,74	0
32	MG	a	3373	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3374	1/1	1.00	0.05	51,51,51,51	0
32	MG	A	3401	1/1	1.00	0.01	60,60,60,60	0
32	MG	a	3376	1/1	1.00	0.04	48,48,48,48	0
32	MG	a	3377	1/1	1.00	0.04	63,63,63,63	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3378	1/1	1.00	0.02	52,52,52,52	0
32	MG	a	3379	1/1	1.00	0.02	50,50,50,50	0
32	MG	a	3380	1/1	1.00	0.03	65,65,65,65	0
32	MG	a	3381	1/1	1.00	0.03	45,45,45,45	0
32	MG	a	3382	1/1	1.00	0.03	36,36,36,36	0
32	MG	a	3383	1/1	1.00	0.02	47,47,47,47	0
32	MG	a	3384	1/1	1.00	0.02	53,53,53,53	0
32	MG	A	3402	1/1	1.00	0.03	45,45,45,45	0
32	MG	a	3386	1/1	1.00	0.04	32,32,32,32	0
32	MG	a	3387	1/1	1.00	0.02	48,48,48,48	0
32	MG	A	3986	1/1	1.00	0.06	25,25,25,25	0
32	MG	a	3389	1/1	1.00	0.03	62,62,62,62	0
32	MG	a	3390	1/1	1.00	0.01	62,62,62,62	0
32	MG	A	3403	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3392	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3393	1/1	1.00	0.04	74,74,74,74	0
32	MG	A	3404	1/1	1.00	0.02	37,37,37,37	0
32	MG	a	3395	1/1	1.00	0.04	67,67,67,67	0
32	MG	a	3396	1/1	1.00	0.01	42,42,42,42	0
32	MG	a	3397	1/1	1.00	0.03	52,52,52,52	0
32	MG	a	3398	1/1	1.00	0.01	61,61,61,61	0
32	MG	a	3399	1/1	1.00	0.03	36,36,36,36	0
32	MG	A	3405	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3401	1/1	1.00	0.02	62,62,62,62	0
32	MG	a	3402	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3403	1/1	1.00	0.02	45,45,45,45	0
32	MG	a	3404	1/1	1.00	0.03	65,65,65,65	0
32	MG	a	3405	1/1	1.00	0.04	70,70,70,70	0
32	MG	a	3406	1/1	1.00	0.01	45,45,45,45	0
32	MG	a	3407	1/1	1.00	0.04	37,37,37,37	0
32	MG	a	3408	1/1	1.00	0.03	65,65,65,65	0
32	MG	a	3409	1/1	1.00	0.01	39,39,39,39	0
32	MG	a	3410	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3411	1/1	1.00	0.04	51,51,51,51	0
32	MG	a	3412	1/1	1.00	0.03	68,68,68,68	0
32	MG	a	3413	1/1	1.00	0.02	67,67,67,67	0
32	MG	a	3414	1/1	1.00	0.03	62,62,62,62	0
32	MG	a	3415	1/1	1.00	0.02	44,44,44,44	0
32	MG	A	3406	1/1	1.00	0.01	60,60,60,60	0
32	MG	a	3417	1/1	1.00	0.02	37,37,37,37	0
32	MG	a	3418	1/1	1.00	0.02	67,67,67,67	0
32	MG	A	3407	1/1	1.00	0.01	51,51,51,51	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3420	1/1	1.00	0.01	43,43,43,43	0
32	MG	a	3421	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3422	1/1	1.00	0.01	26,26,26,26	0
32	MG	a	3423	1/1	1.00	0.04	79,79,79,79	0
32	MG	a	3424	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3425	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3426	1/1	1.00	0.04	54,54,54,54	0
32	MG	a	3427	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3428	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3429	1/1	1.00	0.02	32,32,32,32	0
32	MG	A	3408	1/1	1.00	0.01	48,48,48,48	0
32	MG	a	3431	1/1	1.00	0.01	69,69,69,69	0
32	MG	a	3432	1/1	1.00	0.03	63,63,63,63	0
32	MG	A	3409	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3434	1/1	1.00	0.02	73,73,73,73	0
32	MG	a	3435	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3436	1/1	1.00	0.01	69,69,69,69	0
32	MG	a	3437	1/1	1.00	0.02	51,51,51,51	0
32	MG	A	3410	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3439	1/1	1.00	0.06	61,61,61,61	0
32	MG	a	3440	1/1	1.00	0.05	73,73,73,73	0
32	MG	a	3441	1/1	1.00	0.02	47,47,47,47	0
32	MG	a	3442	1/1	1.00	0.03	58,58,58,58	0
32	MG	A	3411	1/1	1.00	0.01	73,73,73,73	0
32	MG	a	3444	1/1	1.00	0.01	66,66,66,66	0
32	MG	a	3445	1/1	1.00	0.01	39,39,39,39	0
32	MG	a	3446	1/1	1.00	0.04	39,39,39,39	0
32	MG	A	3996	1/1	1.00	0.02	14,14,14,14	0
32	MG	a	3448	1/1	1.00	0.01	48,48,48,48	0
32	MG	a	3449	1/1	1.00	0.01	36,36,36,36	0
32	MG	a	3450	1/1	1.00	0.03	52,52,52,52	0
32	MG	a	3451	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3452	1/1	1.00	0.04	53,53,53,53	0
32	MG	a	3453	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3454	1/1	1.00	0.01	71,71,71,71	0
32	MG	a	3455	1/1	1.00	0.05	55,55,55,55	0
32	MG	a	3456	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3457	1/1	1.00	0.04	45,45,45,45	0
32	MG	a	3458	1/1	1.00	0.02	44,44,44,44	0
32	MG	a	3459	1/1	1.00	0.03	34,34,34,34	0
32	MG	A	3412	1/1	1.00	0.04	68,68,68,68	0
32	MG	a	3461	1/1	1.00	0.01	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3462	1/1	1.00	0.05	86,86,86,86	0
32	MG	A	3047	1/1	1.00	0.01	24,24,24,24	0
32	MG	a	3464	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	3465	1/1	1.00	0.02	67,67,67,67	0
32	MG	a	3466	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3467	1/1	1.00	0.04	76,76,76,76	0
32	MG	a	3468	1/1	1.00	0.04	50,50,50,50	0
32	MG	a	3469	1/1	1.00	0.04	70,70,70,70	0
32	MG	a	3470	1/1	1.00	0.01	58,58,58,58	0
32	MG	a	3471	1/1	1.00	0.02	86,86,86,86	0
32	MG	a	3472	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3473	1/1	1.00	0.03	57,57,57,57	0
32	MG	a	3474	1/1	1.00	0.03	50,50,50,50	0
32	MG	a	3475	1/1	1.00	0.03	53,53,53,53	0
32	MG	a	3476	1/1	1.00	0.03	35,35,35,35	0
32	MG	A	3999	1/1	1.00	0.02	15,15,15,15	0
32	MG	a	3478	1/1	1.00	0.05	66,66,66,66	0
32	MG	A	3006	1/1	1.00	0.04	24,24,24,24	0
32	MG	A	3415	1/1	1.00	0.02	52,52,52,52	0
32	MG	A	3049	1/1	1.00	0.03	34,34,34,34	0
32	MG	a	3482	1/1	1.00	0.01	53,53,53,53	0
32	MG	a	3483	1/1	1.00	0.03	75,75,75,75	0
32	MG	a	3484	1/1	1.00	0.02	62,62,62,62	0
32	MG	a	3485	1/1	1.00	0.05	66,66,66,66	0
32	MG	a	3486	1/1	1.00	0.02	85,85,85,85	0
32	MG	A	4003	1/1	1.00	0.02	15,15,15,15	0
32	MG	a	3488	1/1	1.00	0.02	34,34,34,34	0
32	MG	a	3489	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3490	1/1	1.00	0.01	58,58,58,58	0
32	MG	A	3417	1/1	1.00	0.01	61,61,61,61	0
32	MG	a	3492	1/1	1.00	0.01	42,42,42,42	0
32	MG	a	3493	1/1	1.00	0.01	57,57,57,57	0
32	MG	a	3494	1/1	1.00	0.01	57,57,57,57	0
32	MG	a	3495	1/1	1.00	0.04	60,60,60,60	0
32	MG	a	3496	1/1	1.00	0.02	40,40,40,40	0
32	MG	a	3497	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	3498	1/1	1.00	0.01	72,72,72,72	0
32	MG	a	3499	1/1	1.00	0.01	80,80,80,80	0
32	MG	a	3500	1/1	1.00	0.01	68,68,68,68	0
32	MG	a	3501	1/1	1.00	0.02	73,73,73,73	0
32	MG	a	3502	1/1	1.00	0.02	144,144,144,144	0
32	MG	a	3503	1/1	1.00	0.02	64,64,64,64	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3504	1/1	1.00	0.01	84,84,84,84	0
32	MG	a	3505	1/1	1.00	0.02	65,65,65,65	0
32	MG	A	3007	1/1	1.00	0.02	33,33,33,33	0
32	MG	a	3507	1/1	1.00	0.02	52,52,52,52	0
32	MG	a	3508	1/1	1.00	0.02	39,39,39,39	0
32	MG	a	3509	1/1	1.00	0.01	49,49,49,49	0
32	MG	a	3510	1/1	1.00	0.01	44,44,44,44	0
32	MG	a	3511	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3512	1/1	1.00	0.03	65,65,65,65	0
32	MG	a	3513	1/1	1.00	0.03	68,68,68,68	0
32	MG	a	3514	1/1	1.00	0.03	63,63,63,63	0
32	MG	a	3515	1/1	1.00	0.02	38,38,38,38	0
32	MG	a	3516	1/1	1.00	0.04	46,46,46,46	0
32	MG	a	3517	1/1	1.00	0.03	51,51,51,51	0
32	MG	a	3518	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3519	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3520	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3521	1/1	1.00	0.01	39,39,39,39	0
32	MG	A	3419	1/1	1.00	0.02	61,61,61,61	0
32	MG	a	3523	1/1	1.00	0.01	62,62,62,62	0
32	MG	a	3524	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3525	1/1	1.00	0.03	58,58,58,58	0
32	MG	a	3526	1/1	1.00	0.03	53,53,53,53	0
32	MG	A	3420	1/1	1.00	0.02	72,72,72,72	0
32	MG	a	3528	1/1	1.00	0.04	69,69,69,69	0
32	MG	a	3529	1/1	1.00	0.02	84,84,84,84	0
32	MG	a	3530	1/1	1.00	0.04	66,66,66,66	0
32	MG	a	3531	1/1	1.00	0.03	55,55,55,55	0
32	MG	A	3421	1/1	1.00	0.02	52,52,52,52	0
32	MG	A	3008	1/1	1.00	0.04	35,35,35,35	0
32	MG	a	3534	1/1	1.00	0.02	61,61,61,61	0
32	MG	a	3535	1/1	1.00	0.02	59,59,59,59	0
32	MG	A	4010	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	3537	1/1	1.00	0.03	63,63,63,63	0
32	MG	a	3538	1/1	1.00	0.03	46,46,46,46	0
32	MG	a	3539	1/1	1.00	0.03	68,68,68,68	0
32	MG	a	3540	1/1	1.00	0.02	51,51,51,51	0
32	MG	A	3423	1/1	1.00	0.01	86,86,86,86	0
32	MG	A	3424	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3543	1/1	1.00	0.03	58,58,58,58	0
32	MG	a	3544	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3545	1/1	1.00	0.02	61,61,61,61	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3546	1/1	1.00	0.02	39,39,39,39	0
32	MG	a	3547	1/1	1.00	0.01	39,39,39,39	0
32	MG	A	3425	1/1	1.00	0.02	39,39,39,39	0
32	MG	a	3549	1/1	1.00	0.01	52,52,52,52	0
32	MG	A	3426	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3551	1/1	1.00	0.02	55,55,55,55	0
32	MG	a	3552	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3553	1/1	1.00	0.03	44,44,44,44	0
32	MG	A	3427	1/1	1.00	0.03	26,26,26,26	0
32	MG	a	3555	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3556	1/1	1.00	0.01	66,66,66,66	0
32	MG	a	3557	1/1	1.00	0.01	50,50,50,50	0
32	MG	a	3558	1/1	1.00	0.05	44,44,44,44	0
32	MG	a	3559	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3560	1/1	1.00	0.02	57,57,57,57	0
32	MG	a	3561	1/1	1.00	0.04	45,45,45,45	0
32	MG	a	3562	1/1	1.00	0.01	57,57,57,57	0
32	MG	a	3563	1/1	1.00	0.03	93,93,93,93	0
32	MG	a	3564	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3565	1/1	1.00	0.04	66,66,66,66	0
32	MG	a	3566	1/1	1.00	0.01	46,46,46,46	0
32	MG	A	3428	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3568	1/1	1.00	0.02	69,69,69,69	0
32	MG	a	3569	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3570	1/1	1.00	0.02	50,50,50,50	0
32	MG	a	3571	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3572	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	3573	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3574	1/1	1.00	0.04	43,43,43,43	0
32	MG	a	3575	1/1	1.00	0.02	36,36,36,36	0
32	MG	a	3576	1/1	1.00	0.03	45,45,45,45	0
32	MG	a	3577	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3578	1/1	1.00	0.02	71,71,71,71	0
32	MG	a	3579	1/1	1.00	0.01	83,83,83,83	0
32	MG	a	3580	1/1	1.00	0.03	53,53,53,53	0
32	MG	a	3581	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3429	1/1	1.00	0.02	62,62,62,62	0
32	MG	a	3583	1/1	1.00	0.01	73,73,73,73	0
32	MG	a	3584	1/1	1.00	0.01	62,62,62,62	0
32	MG	a	3585	1/1	1.00	0.01	67,67,67,67	0
32	MG	A	4018	1/1	1.00	0.03	25,25,25,25	0
32	MG	a	3587	1/1	1.00	0.03	66,66,66,66	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3588	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3589	1/1	1.00	0.01	48,48,48,48	0
32	MG	a	3590	1/1	1.00	0.02	44,44,44,44	0
32	MG	A	3430	1/1	1.00	0.02	68,68,68,68	0
32	MG	a	3592	1/1	1.00	0.03	54,54,54,54	0
32	MG	a	3593	1/1	1.00	0.02	70,70,70,70	0
32	MG	A	3431	1/1	1.00	0.01	59,59,59,59	0
32	MG	a	3595	1/1	1.00	0.02	75,75,75,75	0
32	MG	a	3596	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3597	1/1	1.00	0.03	45,45,45,45	0
32	MG	a	3598	1/1	1.00	0.01	41,41,41,41	0
32	MG	a	3599	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3600	1/1	1.00	0.01	78,78,78,78	0
32	MG	A	3432	1/1	1.00	0.02	61,61,61,61	0
32	MG	a	3602	1/1	1.00	0.03	34,34,34,34	0
32	MG	a	3603	1/1	1.00	0.02	55,55,55,55	0
32	MG	a	3604	1/1	1.00	0.02	44,44,44,44	0
32	MG	a	3605	1/1	1.00	0.01	48,48,48,48	0
32	MG	a	3606	1/1	1.00	0.03	88,88,88,88	0
32	MG	a	3607	1/1	1.00	0.03	93,93,93,93	0
32	MG	a	3608	1/1	1.00	0.02	36,36,36,36	0
32	MG	a	3609	1/1	1.00	0.05	71,71,71,71	0
32	MG	a	3610	1/1	1.00	0.01	52,52,52,52	0
32	MG	a	3611	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3612	1/1	1.00	0.01	50,50,50,50	0
32	MG	a	3613	1/1	1.00	0.01	43,43,43,43	0
32	MG	a	3614	1/1	1.00	0.01	68,68,68,68	0
32	MG	a	3615	1/1	1.00	0.02	45,45,45,45	0
32	MG	a	3616	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3617	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3618	1/1	1.00	0.02	67,67,67,67	0
32	MG	a	3619	1/1	1.00	0.03	46,46,46,46	0
32	MG	a	3620	1/1	1.00	0.03	53,53,53,53	0
32	MG	a	3621	1/1	1.00	0.02	57,57,57,57	0
32	MG	a	3622	1/1	1.00	0.01	69,69,69,69	0
32	MG	a	3623	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	3624	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3625	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3626	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3627	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3628	1/1	1.00	0.03	72,72,72,72	0
32	MG	A	3433	1/1	1.00	0.04	91,91,91,91	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3630	1/1	1.00	0.02	74,74,74,74	0
32	MG	a	3631	1/1	1.00	0.02	65,65,65,65	0
32	MG	a	3632	1/1	1.00	0.03	72,72,72,72	0
32	MG	A	3434	1/1	1.00	0.02	65,65,65,65	0
32	MG	A	3435	1/1	1.00	0.04	97,97,97,97	0
32	MG	a	3635	1/1	1.00	0.02	74,74,74,74	0
32	MG	a	3636	1/1	1.00	0.02	87,87,87,87	0
32	MG	A	3436	1/1	1.00	0.04	66,66,66,66	0
32	MG	A	3437	1/1	1.00	0.01	52,52,52,52	0
32	MG	a	3639	1/1	1.00	0.03	65,65,65,65	0
32	MG	a	3640	1/1	1.00	0.02	91,91,91,91	0
32	MG	A	3438	1/1	1.00	0.01	49,49,49,49	0
32	MG	a	3642	1/1	1.00	0.02	87,87,87,87	0
32	MG	A	3439	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3644	1/1	1.00	0.07	51,51,51,51	0
32	MG	A	3440	1/1	1.00	0.01	83,83,83,83	0
32	MG	a	3646	1/1	1.00	0.01	66,66,66,66	0
32	MG	A	3441	1/1	1.00	0.02	71,71,71,71	0
32	MG	a	3648	1/1	1.00	0.04	63,63,63,63	0
32	MG	a	3649	1/1	1.00	0.01	58,58,58,58	0
32	MG	A	3442	1/1	1.00	0.04	47,47,47,47	0
32	MG	A	3443	1/1	1.00	0.01	61,61,61,61	0
32	MG	A	3052	1/1	1.00	0.02	47,47,47,47	0
32	MG	a	3653	1/1	1.00	0.04	67,67,67,67	0
32	MG	A	3445	1/1	1.00	0.04	85,85,85,85	0
32	MG	a	3655	1/1	1.00	0.04	75,75,75,75	0
32	MG	a	3656	1/1	1.00	0.02	59,59,59,59	0
32	MG	A	3446	1/1	1.00	0.03	52,52,52,52	0
32	MG	A	3447	1/1	1.00	0.01	59,59,59,59	0
32	MG	a	3659	1/1	1.00	0.03	69,69,69,69	0
32	MG	A	3448	1/1	1.00	0.02	60,60,60,60	0
32	MG	A	3449	1/1	1.00	0.03	63,63,63,63	0
32	MG	a	3662	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3663	1/1	1.00	0.03	78,78,78,78	0
32	MG	a	3664	1/1	1.00	0.03	71,71,71,71	0
32	MG	a	3665	1/1	1.00	0.03	62,62,62,62	0
32	MG	a	3666	1/1	1.00	0.02	69,69,69,69	0
32	MG	a	3667	1/1	1.00	0.01	64,64,64,64	0
32	MG	a	3668	1/1	1.00	0.07	68,68,68,68	0
32	MG	a	3669	1/1	1.00	0.04	58,58,58,58	0
32	MG	a	3670	1/1	1.00	0.03	79,79,79,79	0
32	MG	A	3450	1/1	1.00	0.02	35,35,35,35	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3672	1/1	1.00	0.04	58,58,58,58	0
32	MG	a	3673	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3674	1/1	1.00	0.04	55,55,55,55	0
32	MG	A	3451	1/1	1.00	0.01	55,55,55,55	0
32	MG	a	3676	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3677	1/1	1.00	0.05	75,75,75,75	0
32	MG	a	3678	1/1	1.00	0.05	71,71,71,71	0
32	MG	A	4041	1/1	1.00	0.02	16,16,16,16	0
32	MG	A	3452	1/1	1.00	0.02	113,113,113,113	0
32	MG	a	3681	1/1	1.00	0.04	72,72,72,72	0
32	MG	a	3682	1/1	1.00	0.02	61,61,61,61	0
32	MG	a	3683	1/1	1.00	0.01	77,77,77,77	0
32	MG	a	3684	1/1	1.00	0.02	70,70,70,70	0
32	MG	A	3453	1/1	1.00	0.02	65,65,65,65	0
32	MG	a	3686	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3687	1/1	1.00	0.03	69,69,69,69	0
32	MG	a	3688	1/1	1.00	0.01	39,39,39,39	0
32	MG	a	3689	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	3690	1/1	1.00	0.02	70,70,70,70	0
32	MG	a	3691	1/1	1.00	0.01	80,80,80,80	0
32	MG	a	3692	1/1	1.00	0.04	73,73,73,73	0
32	MG	a	3693	1/1	1.00	0.03	93,93,93,93	0
32	MG	a	3694	1/1	1.00	0.02	57,57,57,57	0
32	MG	a	3695	1/1	1.00	0.02	73,73,73,73	0
32	MG	A	3454	1/1	1.00	0.00	42,42,42,42	0
32	MG	A	3455	1/1	1.00	0.04	44,44,44,44	0
32	MG	a	3698	1/1	1.00	0.04	83,83,83,83	0
32	MG	a	3699	1/1	1.00	0.03	67,67,67,67	0
32	MG	A	3456	1/1	1.00	0.02	52,52,52,52	0
32	MG	a	3701	1/1	1.00	0.02	76,76,76,76	0
32	MG	A	3457	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3703	1/1	1.00	0.03	59,59,59,59	0
32	MG	a	3704	1/1	1.00	0.06	89,89,89,89	0
32	MG	a	3705	1/1	1.00	0.04	61,61,61,61	0
32	MG	A	3458	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	3707	1/1	1.00	0.04	69,69,69,69	0
32	MG	A	3053	1/1	1.00	0.01	28,28,28,28	0
32	MG	a	3709	1/1	1.00	0.02	64,64,64,64	0
32	MG	A	3460	1/1	1.00	0.04	72,72,72,72	0
32	MG	a	3711	1/1	1.00	0.03	64,64,64,64	0
32	MG	a	3712	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	3713	1/1	1.00	0.03	66,66,66,66	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3461	1/1	1.00	0.02	57,57,57,57	0
32	MG	a	3715	1/1	1.00	0.04	65,65,65,65	0
32	MG	A	3462	1/1	1.00	0.01	41,41,41,41	0
32	MG	a	3717	1/1	1.00	0.03	69,69,69,69	0
32	MG	a	3718	1/1	1.00	0.03	77,77,77,77	0
32	MG	a	3719	1/1	1.00	0.03	80,80,80,80	0
32	MG	a	3720	1/1	1.00	0.01	75,75,75,75	0
32	MG	a	3721	1/1	1.00	0.02	64,64,64,64	0
32	MG	a	3722	1/1	1.00	0.03	79,79,79,79	0
32	MG	A	3463	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3724	1/1	1.00	0.04	55,55,55,55	0
32	MG	A	3464	1/1	1.00	0.02	34,34,34,34	0
32	MG	A	3465	1/1	1.00	0.01	86,86,86,86	0
32	MG	a	3727	1/1	1.00	0.03	78,78,78,78	0
32	MG	a	3728	1/1	1.00	0.03	72,72,72,72	0
32	MG	A	3054	1/1	1.00	0.01	32,32,32,32	0
32	MG	a	3730	1/1	1.00	0.06	58,58,58,58	0
32	MG	a	3731	1/1	1.00	0.02	62,62,62,62	0
32	MG	a	3732	1/1	1.00	0.04	60,60,60,60	0
32	MG	a	3733	1/1	1.00	0.04	86,86,86,86	0
32	MG	a	3734	1/1	1.00	0.03	74,74,74,74	0
32	MG	a	3735	1/1	1.00	0.02	68,68,68,68	0
32	MG	A	3467	1/1	1.00	0.04	54,54,54,54	0
32	MG	a	3737	1/1	1.00	0.01	59,59,59,59	0
32	MG	a	3738	1/1	1.00	0.05	70,70,70,70	0
32	MG	a	3739	1/1	1.00	0.02	84,84,84,84	0
32	MG	A	3468	1/1	1.00	0.02	73,73,73,73	0
32	MG	a	3741	1/1	1.00	0.03	85,85,85,85	0
32	MG	a	3742	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3743	1/1	1.00	0.02	83,83,83,83	0
32	MG	A	3469	1/1	1.00	0.02	64,64,64,64	0
32	MG	A	3470	1/1	1.00	0.08	47,47,47,47	0
32	MG	A	3471	1/1	1.00	0.04	80,80,80,80	0
32	MG	a	3747	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3748	1/1	1.00	0.02	72,72,72,72	0
32	MG	a	3749	1/1	1.00	0.02	67,67,67,67	0
32	MG	a	3750	1/1	1.00	0.01	64,64,64,64	0
32	MG	a	3751	1/1	1.00	0.04	61,61,61,61	0
32	MG	A	3055	1/1	1.00	0.02	20,20,20,20	0
32	MG	a	3753	1/1	1.00	0.04	73,73,73,73	0
32	MG	a	3754	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3755	1/1	1.00	0.06	74,74,74,74	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3756	1/1	1.00	0.03	64,64,64,64	0
32	MG	a	3757	1/1	1.00	0.02	64,64,64,64	0
32	MG	a	3758	1/1	1.00	0.03	76,76,76,76	0
32	MG	a	3759	1/1	1.00	0.07	74,74,74,74	0
32	MG	a	3760	1/1	1.00	0.02	77,77,77,77	0
32	MG	A	3473	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3762	1/1	1.00	0.02	84,84,84,84	0
32	MG	a	3763	1/1	1.00	0.04	70,70,70,70	0
32	MG	a	3764	1/1	1.00	0.03	42,42,42,42	0
32	MG	a	3765	1/1	1.00	0.04	69,69,69,69	0
32	MG	A	3474	1/1	1.00	0.06	67,67,67,67	0
32	MG	a	3767	1/1	1.00	0.04	68,68,68,68	0
32	MG	A	3475	1/1	1.00	0.06	76,76,76,76	0
32	MG	a	3769	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3476	1/1	1.00	0.01	66,66,66,66	0
32	MG	a	3771	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3772	1/1	1.00	0.02	92,92,92,92	0
32	MG	a	3773	1/1	1.00	0.03	75,75,75,75	0
32	MG	a	3774	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3775	1/1	1.00	0.02	89,89,89,89	0
32	MG	a	3776	1/1	1.00	0.01	79,79,79,79	0
32	MG	a	3777	1/1	1.00	0.03	62,62,62,62	0
32	MG	a	3778	1/1	1.00	0.02	68,68,68,68	0
32	MG	a	3779	1/1	1.00	0.02	71,71,71,71	0
32	MG	a	3780	1/1	1.00	0.04	72,72,72,72	0
32	MG	a	3781	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3782	1/1	1.00	0.02	67,67,67,67	0
32	MG	a	3783	1/1	1.00	0.02	57,57,57,57	0
32	MG	A	3477	1/1	1.00	0.02	78,78,78,78	0
32	MG	a	3785	1/1	1.00	0.03	64,64,64,64	0
32	MG	a	3786	1/1	1.00	0.02	64,64,64,64	0
32	MG	a	3787	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3788	1/1	1.00	0.03	62,62,62,62	0
32	MG	A	4068	1/1	1.00	0.01	24,24,24,24	0
32	MG	a	3790	1/1	1.00	0.02	63,63,63,63	0
32	MG	A	3478	1/1	1.00	0.03	66,66,66,66	0
32	MG	A	3479	1/1	1.00	0.03	84,84,84,84	0
32	MG	a	3793	1/1	1.00	0.02	67,67,67,67	0
32	MG	A	3056	1/1	1.00	0.01	11,11,11,11	0
32	MG	A	3481	1/1	1.00	0.03	72,72,72,72	0
32	MG	a	3796	1/1	1.00	0.02	73,73,73,73	0
32	MG	a	3797	1/1	1.00	0.04	72,72,72,72	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3798	1/1	1.00	0.03	70,70,70,70	0
32	MG	a	3799	1/1	1.00	0.03	72,72,72,72	0
32	MG	a	3800	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3801	1/1	1.00	0.02	44,44,44,44	0
32	MG	a	3802	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3803	1/1	1.00	0.02	53,53,53,53	0
32	MG	A	3057	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3058	1/1	1.00	0.02	33,33,33,33	0
32	MG	A	3484	1/1	1.00	0.04	80,80,80,80	0
32	MG	A	3485	1/1	1.00	0.04	62,62,62,62	0
32	MG	A	3486	1/1	1.00	0.04	73,73,73,73	0
32	MG	A	3487	1/1	1.00	0.02	83,83,83,83	0
32	MG	A	4079	1/1	1.00	0.04	29,29,29,29	0
32	MG	A	3488	1/1	1.00	0.03	75,75,75,75	0
32	MG	a	3812	1/1	1.00	0.02	23,23,23,23	0
32	MG	A	3059	1/1	1.00	0.02	36,36,36,36	0
32	MG	A	3490	1/1	1.00	0.05	71,71,71,71	0
32	MG	a	3815	1/1	1.00	0.02	16,16,16,16	0
32	MG	A	3491	1/1	1.00	0.01	66,66,66,66	0
32	MG	a	3817	1/1	1.00	0.02	19,19,19,19	0
32	MG	a	3818	1/1	1.00	0.01	10,10,10,10	0
32	MG	A	3492	1/1	1.00	0.05	69,69,69,69	0
32	MG	a	3820	1/1	1.00	0.04	4,4,4,4	0
32	MG	A	3060	1/1	1.00	0.03	35,35,35,35	0
32	MG	A	3494	1/1	1.00	0.03	58,58,58,58	0
32	MG	A	4087	1/1	1.00	0.02	27,27,27,27	0
32	MG	A	3495	1/1	1.00	0.01	91,91,91,91	0
32	MG	a	3825	1/1	1.00	0.01	20,20,20,20	0
32	MG	a	3826	1/1	1.00	0.04	30,30,30,30	0
32	MG	A	3496	1/1	1.00	0.06	74,74,74,74	0
32	MG	a	3828	1/1	1.00	0.06	52,52,52,52	0
32	MG	A	3497	1/1	1.00	0.03	69,69,69,69	0
32	MG	A	3498	1/1	1.00	0.02	60,60,60,60	0
32	MG	A	3499	1/1	1.00	0.02	74,74,74,74	0
32	MG	a	3832	1/1	1.00	0.02	95,95,95,95	0
32	MG	A	3500	1/1	1.00	0.03	72,72,72,72	0
32	MG	a	3834	1/1	1.00	0.04	95,95,95,95	0
32	MG	A	3501	1/1	1.00	0.05	73,73,73,73	0
32	MG	A	3502	1/1	1.00	0.02	89,89,89,89	0
32	MG	A	3503	1/1	1.00	0.03	76,76,76,76	0
32	MG	a	3838	1/1	1.00	0.01	5,5,5,5	0
32	MG	a	3839	1/1	1.00	0.02	17,17,17,17	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3840	1/1	1.00	0.03	9,9,9,9	0
32	MG	A	3061	1/1	1.00	0.02	28,28,28,28	0
32	MG	a	3842	1/1	1.00	0.05	2,2,2,2	0
32	MG	A	3505	1/1	1.00	0.03	93,93,93,93	0
32	MG	A	3062	1/1	1.00	0.02	48,48,48,48	0
32	MG	A	3009	1/1	1.00	0.02	18,18,18,18	0
32	MG	A	3508	1/1	1.00	0.02	68,68,68,68	0
32	MG	A	3509	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	4103	1/1	1.00	0.02	16,16,16,16	0
32	MG	A	3510	1/1	1.00	0.03	74,74,74,74	0
32	MG	a	3850	1/1	1.00	0.07	14,14,14,14	0
32	MG	A	3511	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	3512	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3513	1/1	1.00	0.02	88,88,88,88	0
32	MG	A	3514	1/1	1.00	0.01	78,78,78,78	0
32	MG	A	4109	1/1	1.00	0.02	19,19,19,19	0
32	MG	A	3515	1/1	1.00	0.03	80,80,80,80	0
32	MG	a	3857	1/1	1.00	0.02	21,21,21,21	0
32	MG	A	3064	1/1	1.00	0.03	82,82,82,82	0
32	MG	A	3517	1/1	1.00	0.01	68,68,68,68	0
32	MG	A	3518	1/1	1.00	0.02	65,65,65,65	0
32	MG	a	3861	1/1	1.00	0.05	10,10,10,10	0
32	MG	A	3065	1/1	1.00	0.01	23,23,23,23	0
32	MG	a	3863	1/1	1.00	0.03	1,1,1,1	0
32	MG	A	3520	1/1	1.00	0.02	61,61,61,61	0
32	MG	A	3521	1/1	1.00	0.02	77,77,77,77	0
32	MG	a	3866	1/1	1.00	0.04	18,18,18,18	0
32	MG	A	3522	1/1	1.00	0.01	62,62,62,62	0
32	MG	A	3523	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	3524	1/1	1.00	0.01	73,73,73,73	0
32	MG	A	3525	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3526	1/1	1.00	0.01	58,58,58,58	0
32	MG	A	4122	1/1	1.00	0.02	23,23,23,23	0
32	MG	A	3527	1/1	1.00	0.04	61,61,61,61	0
32	MG	A	3066	1/1	1.00	0.04	20,20,20,20	0
32	MG	a	3875	1/1	1.00	0.02	43,43,43,43	0
32	MG	A	3529	1/1	1.00	0.02	102,102,102,102	0
32	MG	A	4126	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3530	1/1	1.00	0.01	65,65,65,65	0
32	MG	A	3531	1/1	1.00	0.01	61,61,61,61	0
32	MG	A	3532	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	3067	1/1	1.00	0.02	5,5,5,5	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3534	1/1	1.00	0.01	58,58,58,58	0
32	MG	A	3535	1/1	1.00	0.03	71,71,71,71	0
32	MG	a	3884	1/1	1.00	0.07	14,14,14,14	0
32	MG	A	3068	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3537	1/1	1.00	0.02	88,88,88,88	0
32	MG	A	3538	1/1	1.00	0.03	90,90,90,90	0
32	MG	A	3069	1/1	1.00	0.02	38,38,38,38	0
32	MG	a	3889	1/1	1.00	0.02	6,6,6,6	0
32	MG	A	3540	1/1	1.00	0.02	63,63,63,63	0
32	MG	A	3541	1/1	1.00	0.03	73,73,73,73	0
32	MG	A	4139	1/1	1.00	0.01	26,26,26,26	0
32	MG	A	3001	1/1	1.00	0.02	25,25,25,25	0
32	MG	A	3071	1/1	1.00	0.02	22,22,22,22	0
32	MG	A	4142	1/1	1.00	0.01	27,27,27,27	0
32	MG	A	3544	1/1	1.00	0.02	82,82,82,82	0
32	MG	A	3545	1/1	1.00	0.03	52,52,52,52	0
32	MG	a	3898	1/1	1.00	0.03	7,7,7,7	0
32	MG	A	3546	1/1	1.00	0.04	70,70,70,70	0
32	MG	a	3900	1/1	1.00	0.04	12,12,12,12	0
32	MG	A	3072	1/1	1.00	0.01	56,56,56,56	0
32	MG	A	3548	1/1	1.00	0.04	62,62,62,62	0
32	MG	A	3073	1/1	1.00	0.01	39,39,39,39	0
32	MG	a	3904	1/1	1.00	0.03	39,39,39,39	0
32	MG	A	3550	1/1	1.00	0.05	62,62,62,62	0
32	MG	A	3551	1/1	1.00	0.04	76,76,76,76	0
32	MG	A	3552	1/1	1.00	0.02	74,74,74,74	0
32	MG	A	3553	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	3554	1/1	1.00	0.03	65,65,65,65	0
32	MG	A	4154	1/1	1.00	0.01	15,15,15,15	0
32	MG	A	3555	1/1	1.00	0.03	76,76,76,76	0
32	MG	a	3912	1/1	1.00	0.01	32,32,32,32	0
32	MG	A	3556	1/1	1.00	0.01	64,64,64,64	0
32	MG	a	3914	1/1	1.00	0.02	28,28,28,28	0
32	MG	a	3915	1/1	1.00	0.02	11,11,11,11	0
32	MG	a	3916	1/1	1.00	0.01	39,39,39,39	0
32	MG	A	3557	1/1	1.00	0.01	59,59,59,59	0
32	MG	A	3558	1/1	1.00	0.03	71,71,71,71	0
32	MG	a	3919	1/1	1.00	0.03	46,46,46,46	0
32	MG	a	3920	1/1	1.00	0.03	28,28,28,28	0
32	MG	A	3559	1/1	1.00	0.05	64,64,64,64	0
32	MG	A	3560	1/1	1.00	0.02	74,74,74,74	0
32	MG	A	4161	1/1	1.00	0.03	29,29,29,29	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4162	1/1	1.00	0.01	27,27,27,27	0
32	MG	a	3925	1/1	1.00	0.08	11,11,11,11	0
32	MG	A	3561	1/1	1.00	0.01	49,49,49,49	0
32	MG	A	3074	1/1	1.00	0.02	37,37,37,37	0
32	MG	A	3563	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	3564	1/1	1.00	0.01	69,69,69,69	0
32	MG	a	3930	1/1	1.00	0.03	15,15,15,15	0
32	MG	A	3565	1/1	1.00	0.01	62,62,62,62	0
32	MG	A	3566	1/1	1.00	0.04	71,71,71,71	0
32	MG	A	3567	1/1	1.00	0.01	56,56,56,56	0
32	MG	A	3568	1/1	1.00	0.02	74,74,74,74	0
32	MG	A	3569	1/1	1.00	0.02	92,92,92,92	0
32	MG	A	3570	1/1	1.00	0.04	58,58,58,58	0
32	MG	A	3571	1/1	1.00	0.03	71,71,71,71	0
32	MG	A	3572	1/1	1.00	0.02	67,67,67,67	0
32	MG	A	3573	1/1	1.00	0.03	74,74,74,74	0
32	MG	A	3075	1/1	1.00	0.01	32,32,32,32	0
32	MG	A	3575	1/1	1.00	0.01	67,67,67,67	0
32	MG	a	3942	1/1	1.00	0.02	14,14,14,14	0
32	MG	A	3576	1/1	1.00	0.03	69,69,69,69	0
32	MG	A	3076	1/1	1.00	0.01	23,23,23,23	0
32	MG	A	3578	1/1	1.00	0.03	64,64,64,64	0
32	MG	a	3946	1/1	1.00	0.07	0,0,0,0	0
32	MG	A	3077	1/1	1.00	0.03	18,18,18,18	0
32	MG	a	3948	1/1	1.00	0.02	7,7,7,7	0
32	MG	A	3580	1/1	1.00	0.03	54,54,54,54	0
32	MG	A	3011	1/1	1.00	0.01	34,34,34,34	0
32	MG	A	3079	1/1	1.00	0.01	50,50,50,50	0
32	MG	A	3080	1/1	1.00	0.04	70,70,70,70	0
32	MG	A	3584	1/1	1.00	0.02	64,64,64,64	0
32	MG	A	3585	1/1	1.00	0.02	59,59,59,59	0
32	MG	A	4188	1/1	1.00	0.02	23,23,23,23	0
32	MG	A	4189	1/1	1.00	0.01	28,28,28,28	0
32	MG	A	3586	1/1	1.00	0.01	57,57,57,57	0
32	MG	a	3958	1/1	1.00	0.02	3,3,3,3	0
32	MG	A	4191	1/1	1.00	0.04	26,26,26,26	0
32	MG	A	3587	1/1	1.00	0.01	75,75,75,75	0
32	MG	A	3588	1/1	1.00	0.04	56,56,56,56	0
32	MG	A	3589	1/1	1.00	0.01	57,57,57,57	0
32	MG	A	3590	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3591	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3592	1/1	1.00	0.02	56,56,56,56	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3593	1/1	1.00	0.04	55,55,55,55	0
32	MG	A	3594	1/1	1.00	0.02	55,55,55,55	0
32	MG	A	3595	1/1	1.00	0.01	55,55,55,55	0
32	MG	A	3596	1/1	1.00	0.01	54,54,54,54	0
32	MG	A	3597	1/1	1.00	0.02	55,55,55,55	0
32	MG	A	3598	1/1	1.00	0.01	55,55,55,55	0
32	MG	A	4204	1/1	1.00	0.02	27,27,27,27	0
32	MG	A	3599	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3081	1/1	1.00	0.03	13,13,13,13	0
32	MG	A	3082	1/1	1.00	0.01	62,62,62,62	0
32	MG	A	4208	1/1	1.00	0.03	25,25,25,25	0
32	MG	A	3083	1/1	1.00	0.01	19,19,19,19	0
32	MG	A	3084	1/1	1.00	0.01	31,31,31,31	0
32	MG	A	3085	1/1	1.00	0.02	32,32,32,32	0
32	MG	A	4212	1/1	1.00	0.02	32,32,32,32	0
32	MG	A	4213	1/1	1.00	0.01	28,28,28,28	0
32	MG	A	3086	1/1	1.00	0.02	65,65,65,65	0
32	MG	A	3087	1/1	1.00	0.03	42,42,42,42	0
32	MG	A	3088	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3985	1/1	1.00	0.03	29,29,29,29	0
32	MG	A	4217	1/1	1.00	0.04	27,27,27,27	0
32	MG	A	3089	1/1	1.00	0.02	73,73,73,73	0
32	MG	A	3090	1/1	1.00	0.01	103,103,103,103	0
32	MG	a	3989	1/1	1.00	0.04	14,14,14,14	0
32	MG	A	3091	1/1	1.00	0.02	24,24,24,24	0
32	MG	A	3611	1/1	1.00	0.04	0,0,0,0	0
32	MG	A	3092	1/1	1.00	0.01	24,24,24,24	0
32	MG	A	3093	1/1	1.00	0.01	41,41,41,41	0
32	MG	A	3094	1/1	1.00	0.01	3,3,3,3	0
32	MG	a	3995	1/1	1.00	0.04	22,22,22,22	0
32	MG	A	3615	1/1	1.00	0.06	9,9,9,9	0
32	MG	A	3616	1/1	1.00	0.04	1,1,1,1	0
32	MG	A	4227	1/1	1.00	0.01	25,25,25,25	0
32	MG	A	3617	1/1	1.00	0.04	37,37,37,37	0
32	MG	A	4229	1/1	1.00	0.02	24,24,24,24	0
32	MG	A	3095	1/1	1.00	0.01	27,27,27,27	0
32	MG	A	3096	1/1	1.00	0.02	25,25,25,25	0
32	MG	A	3097	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	4004	1/1	1.00	0.01	13,13,13,13	0
32	MG	A	3098	1/1	1.00	0.02	37,37,37,37	0
32	MG	a	4006	1/1	1.00	0.03	27,27,27,27	0
32	MG	A	3099	1/1	1.00	0.02	15,15,15,15	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3100	1/1	1.00	0.03	26,26,26,26	0
32	MG	A	3101	1/1	1.00	0.01	42,42,42,42	0
32	MG	a	4010	1/1	1.00	0.02	11,11,11,11	0
32	MG	A	3102	1/1	1.00	0.03	42,42,42,42	0
32	MG	a	4012	1/1	1.00	0.04	0,0,0,0	0
32	MG	A	3626	1/1	1.00	0.02	11,11,11,11	0
32	MG	A	3103	1/1	1.00	0.02	54,54,54,54	0
32	MG	A	3104	1/1	1.00	0.02	79,79,79,79	0
32	MG	A	3105	1/1	1.00	0.01	20,20,20,20	0
32	MG	a	4017	1/1	1.00	0.02	33,33,33,33	0
32	MG	A	3106	1/1	1.00	0.06	38,38,38,38	0
32	MG	A	4243	1/1	1.00	0.02	27,27,27,27	0
32	MG	A	3107	1/1	1.00	0.01	40,40,40,40	0
32	MG	A	3108	1/1	1.00	0.04	45,45,45,45	0
32	MG	A	3109	1/1	1.00	0.02	15,15,15,15	0
32	MG	A	3110	1/1	1.00	0.01	30,30,30,30	0
32	MG	A	3111	1/1	1.00	0.03	49,49,49,49	0
32	MG	A	3112	1/1	1.00	0.03	50,50,50,50	0
32	MG	A	3113	1/1	1.00	0.01	33,33,33,33	0
32	MG	A	3114	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3115	1/1	1.00	0.02	53,53,53,53	0
32	MG	A	3640	1/1	1.00	0.02	17,17,17,17	0
32	MG	A	3116	1/1	1.00	0.02	28,28,28,28	0
32	MG	a	4031	1/1	1.00	0.01	2,2,2,2	0
32	MG	A	3117	1/1	1.00	0.05	33,33,33,33	0
32	MG	A	3118	1/1	1.00	0.02	38,38,38,38	0
32	MG	A	3119	1/1	1.00	0.01	27,27,27,27	0
32	MG	a	4035	1/1	1.00	0.03	37,37,37,37	0
32	MG	a	4036	1/1	1.00	0.02	13,13,13,13	0
32	MG	A	3120	1/1	1.00	0.01	49,49,49,49	0
32	MG	a	4038	1/1	1.00	0.04	5,5,5,5	0
32	MG	A	4259	1/1	1.00	0.04	23,23,23,23	0
32	MG	A	3121	1/1	1.00	0.01	14,14,14,14	0
32	MG	A	3122	1/1	1.00	0.08	21,21,21,21	0
32	MG	A	3123	1/1	1.00	0.02	33,33,33,33	0
32	MG	A	3649	1/1	1.00	0.01	0,0,0,0	0
32	MG	A	3650	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3651	1/1	1.00	0.02	15,15,15,15	0
32	MG	a	4046	1/1	1.00	0.01	44,44,44,44	0
32	MG	A	3124	1/1	1.00	0.01	11,11,11,11	0
32	MG	A	3125	1/1	1.00	0.02	33,33,33,33	0
32	MG	A	3126	1/1	1.00	0.03	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3655	1/1	1.00	0.01	4,4,4,4	0
32	MG	A	3127	1/1	1.00	0.02	35,35,35,35	0
32	MG	A	3657	1/1	1.00	0.06	8,8,8,8	0
32	MG	A	3128	1/1	1.00	0.01	49,49,49,49	0
32	MG	A	3129	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3130	1/1	1.00	0.02	121,121,121,121	0
32	MG	A	3131	1/1	1.00	0.01	33,33,33,33	0
32	MG	a	4057	1/1	1.00	0.02	9,9,9,9	0
32	MG	A	3132	1/1	1.00	0.01	50,50,50,50	0
32	MG	A	3133	1/1	1.00	0.01	10,10,10,10	0
32	MG	A	3134	1/1	1.00	0.01	28,28,28,28	0
32	MG	A	3135	1/1	1.00	0.02	43,43,43,43	0
32	MG	a	4062	1/1	1.00	0.02	7,7,7,7	0
32	MG	a	4063	1/1	1.00	0.05	95,95,95,95	0
32	MG	A	3136	1/1	1.00	0.03	24,24,24,24	0
32	MG	A	3667	1/1	1.00	0.02	12,12,12,12	0
32	MG	A	4282	1/1	1.00	0.02	25,25,25,25	0
32	MG	A	3137	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3138	1/1	1.00	0.03	71,71,71,71	0
32	MG	A	3139	1/1	1.00	0.01	45,45,45,45	0
32	MG	A	3140	1/1	1.00	0.02	15,15,15,15	0
32	MG	A	4287	1/1	1.00	0.07	33,33,33,33	0
32	MG	A	3141	1/1	1.00	0.01	71,71,71,71	0
32	MG	A	4289	1/1	1.00	0.03	25,25,25,25	0
32	MG	a	4074	1/1	1.00	0.03	44,44,44,44	0
32	MG	A	3142	1/1	1.00	0.03	26,26,26,26	0
32	MG	a	4076	1/1	1.00	0.07	95,95,95,95	0
32	MG	A	3674	1/1	1.00	0.06	22,22,22,22	0
32	MG	A	3143	1/1	1.00	0.03	49,49,49,49	0
32	MG	a	4079	1/1	1.00	0.02	9,9,9,9	0
32	MG	A	3144	1/1	1.00	0.04	62,62,62,62	0
32	MG	A	3145	1/1	1.00	0.04	28,28,28,28	0
32	MG	A	3678	1/1	1.00	0.03	1,1,1,1	0
32	MG	A	3146	1/1	1.00	0.01	20,20,20,20	0
32	MG	A	3680	1/1	1.00	0.02	27,27,27,27	0
32	MG	A	3147	1/1	1.00	0.01	30,30,30,30	0
32	MG	A	3148	1/1	1.00	0.01	35,35,35,35	0
32	MG	A	3149	1/1	1.00	0.01	23,23,23,23	0
32	MG	A	3150	1/1	1.00	0.02	38,38,38,38	0
32	MG	a	4089	1/1	1.00	0.04	38,38,38,38	0
32	MG	A	3151	1/1	1.00	0.02	42,42,42,42	0
32	MG	A	3012	1/1	1.00	0.02	22,22,22,22	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3153	1/1	1.00	0.01	21,21,21,21	0
32	MG	A	3154	1/1	1.00	0.01	37,37,37,37	0
32	MG	a	4094	1/1	1.00	0.03	10,10,10,10	0
32	MG	A	3155	1/1	1.00	0.02	34,34,34,34	0
32	MG	A	3156	1/1	1.00	0.02	36,36,36,36	0
32	MG	A	3157	1/1	1.00	0.03	53,53,53,53	0
32	MG	A	3692	1/1	1.00	0.04	95,95,95,95	0
32	MG	a	4099	1/1	1.00	0.03	66,66,66,66	0
32	MG	a	4100	1/1	1.00	0.02	4,4,4,4	0
32	MG	A	3158	1/1	1.00	0.03	49,49,49,49	0
32	MG	a	4102	1/1	1.00	0.03	2,2,2,2	0
32	MG	A	3159	1/1	1.00	0.02	38,38,38,38	0
32	MG	A	3160	1/1	1.00	0.05	42,42,42,42	0
32	MG	a	4105	1/1	1.00	0.05	3,3,3,3	0
32	MG	a	4106	1/1	1.00	0.01	1,1,1,1	0
32	MG	A	3161	1/1	1.00	0.01	25,25,25,25	0
32	MG	A	3013	1/1	1.00	0.01	15,15,15,15	0
32	MG	A	3163	1/1	1.00	0.02	33,33,33,33	0
32	MG	A	3164	1/1	1.00	0.02	43,43,43,43	0
32	MG	A	4317	1/1	1.00	0.04	23,23,23,23	0
32	MG	a	4112	1/1	1.00	0.01	1,1,1,1	0
32	MG	a	4113	1/1	1.00	0.01	35,35,35,35	0
32	MG	A	3700	1/1	1.00	0.02	12,12,12,12	0
32	MG	A	3165	1/1	1.00	0.01	20,20,20,20	0
32	MG	A	4320	1/1	1.00	0.01	26,26,26,26	0
32	MG	A	3166	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	4118	1/1	1.00	0.01	0,0,0,0	0
32	MG	A	3167	1/1	1.00	0.01	15,15,15,15	0
32	MG	A	3168	1/1	1.00	0.01	24,24,24,24	0
32	MG	A	3169	1/1	1.00	0.04	39,39,39,39	0
32	MG	A	3170	1/1	1.00	0.01	42,42,42,42	0
32	MG	A	3171	1/1	1.00	0.04	41,41,41,41	0
32	MG	a	4124	1/1	1.00	0.06	36,36,36,36	0
32	MG	A	3172	1/1	1.00	0.02	77,77,77,77	0
32	MG	A	3173	1/1	1.00	0.03	25,25,25,25	0
32	MG	a	4127	1/1	1.00	0.02	31,31,31,31	0
32	MG	A	3174	1/1	1.00	0.03	26,26,26,26	0
32	MG	A	3175	1/1	1.00	0.02	37,37,37,37	0
32	MG	A	3712	1/1	1.00	0.03	7,7,7,7	0
32	MG	A	3176	1/1	1.00	0.01	30,30,30,30	0
32	MG	A	3177	1/1	1.00	0.01	32,32,32,32	0
32	MG	a	4133	1/1	1.00	0.01	29,29,29,29	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3715	1/1	1.00	0.03	14,14,14,14	0
32	MG	A	3716	1/1	1.00	0.02	30,30,30,30	0
32	MG	A	3178	1/1	1.00	0.02	29,29,29,29	0
32	MG	A	3179	1/1	1.00	0.01	21,21,21,21	0
32	MG	A	3719	1/1	1.00	0.02	30,30,30,30	0
32	MG	A	4339	1/1	1.00	0.01	26,26,26,26	0
32	MG	A	3014	1/1	1.00	0.03	18,18,18,18	0
32	MG	A	3181	1/1	1.00	0.01	38,38,38,38	0
32	MG	A	3182	1/1	1.00	0.01	28,28,28,28	0
32	MG	A	3183	1/1	1.00	0.01	56,56,56,56	0
32	MG	a	4144	1/1	1.00	0.01	22,22,22,22	0
32	MG	A	3724	1/1	1.00	0.04	19,19,19,19	0
32	MG	A	3184	1/1	1.00	0.01	124,124,124,124	0
32	MG	A	3185	1/1	1.00	0.02	109,109,109,109	0
32	MG	A	3186	1/1	1.00	0.02	51,51,51,51	0
32	MG	A	3187	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3729	1/1	1.00	0.02	28,28,28,28	0
32	MG	A	3188	1/1	1.00	0.01	28,28,28,28	0
32	MG	a	4152	1/1	1.00	0.02	25,25,25,25	0
32	MG	A	3189	1/1	1.00	0.01	31,31,31,31	0
32	MG	A	3190	1/1	1.00	0.02	34,34,34,34	0
32	MG	A	3191	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	4156	1/1	1.00	0.03	95,95,95,95	0
32	MG	A	3192	1/1	1.00	0.02	97,97,97,97	0
32	MG	A	3193	1/1	1.00	0.01	73,73,73,73	0
32	MG	A	3194	1/1	1.00	0.03	33,33,33,33	0
32	MG	a	4160	1/1	1.00	0.02	10,10,10,10	0
32	MG	A	3195	1/1	1.00	0.01	56,56,56,56	0
32	MG	A	3196	1/1	1.00	0.05	27,27,27,27	0
32	MG	A	3197	1/1	1.00	0.04	23,23,23,23	0
32	MG	A	3002	1/1	1.00	0.01	23,23,23,23	0
32	MG	a	4165	1/1	1.00	0.04	6,6,6,6	0
32	MG	A	3741	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3199	1/1	1.00	0.02	26,26,26,26	0
32	MG	A	3200	1/1	1.00	0.00	25,25,25,25	0
32	MG	A	4364	1/1	1.00	0.02	23,23,23,23	0
32	MG	A	3201	1/1	1.00	0.02	63,63,63,63	0
32	MG	A	3202	1/1	1.00	0.01	15,15,15,15	0
32	MG	a	4172	1/1	1.00	0.02	4,4,4,4	0
32	MG	A	3203	1/1	1.00	0.03	28,28,28,28	0
32	MG	A	3204	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3205	1/1	1.00	0.02	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	4370	1/1	1.00	0.01	23,23,23,23	0
32	MG	A	3206	1/1	1.00	0.02	24,24,24,24	0
32	MG	A	3207	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3208	1/1	1.00	0.03	51,51,51,51	0
32	MG	A	3752	1/1	1.00	0.04	8,8,8,8	0
32	MG	a	4181	1/1	1.00	0.03	2,2,2,2	0
32	MG	a	4182	1/1	1.00	0.01	5,5,5,5	0
32	MG	A	3209	1/1	1.00	0.01	38,38,38,38	0
32	MG	a	4184	1/1	1.00	0.02	0,0,0,0	0
32	MG	A	3210	1/1	1.00	0.02	32,32,32,32	0
32	MG	A	3211	1/1	1.00	0.03	39,39,39,39	0
32	MG	A	3212	1/1	1.00	0.02	20,20,20,20	0
32	MG	A	3213	1/1	1.00	0.01	42,42,42,42	0
32	MG	a	4189	1/1	1.00	0.01	0,0,0,0	0
32	MG	A	3214	1/1	1.00	0.02	26,26,26,26	0
32	MG	A	3215	1/1	1.00	0.01	17,17,17,17	0
32	MG	A	3760	1/1	1.00	0.01	14,14,14,14	0
32	MG	B	201	1/1	1.00	0.04	51,51,51,51	0
32	MG	a	4194	1/1	1.00	0.03	48,48,48,48	0
32	MG	B	202	1/1	1.00	0.01	37,37,37,37	0
32	MG	B	203	1/1	1.00	0.01	49,49,49,49	0
32	MG	B	204	1/1	1.00	0.02	48,48,48,48	0
32	MG	B	205	1/1	1.00	0.02	54,54,54,54	0
32	MG	B	206	1/1	1.00	0.03	44,44,44,44	0
32	MG	a	4200	1/1	1.00	0.02	8,8,8,8	0
32	MG	B	207	1/1	1.00	0.01	62,62,62,62	0
32	MG	a	4202	1/1	1.00	0.04	16,16,16,16	0
32	MG	B	208	1/1	1.00	0.06	74,74,74,74	0
32	MG	B	209	1/1	1.00	0.02	61,61,61,61	0
32	MG	B	210	1/1	1.00	0.03	65,65,65,65	0
32	MG	B	211	1/1	1.00	0.02	72,72,72,72	0
32	MG	A	3216	1/1	1.00	0.02	56,56,56,56	0
32	MG	B	213	1/1	1.00	0.04	75,75,75,75	0
32	MG	a	4209	1/1	1.00	0.01	0,0,0,0	0
32	MG	a	4210	1/1	1.00	0.04	25,25,25,25	0
32	MG	B	214	1/1	1.00	0.01	63,63,63,63	0
32	MG	a	4212	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	4213	1/1	1.00	0.04	10,10,10,10	0
32	MG	B	215	1/1	1.00	0.01	78,78,78,78	0
32	MG	B	216	1/1	1.00	0.03	66,66,66,66	0
32	MG	B	217	1/1	1.00	0.02	56,56,56,56	0
32	MG	B	218	1/1	1.00	0.02	86,86,86,86	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	B	219	1/1	1.00	0.02	66,66,66,66	0
32	MG	B	220	1/1	1.00	0.04	73,73,73,73	0
32	MG	a	4220	1/1	1.00	0.02	7,7,7,7	0
32	MG	A	3217	1/1	1.00	0.05	23,23,23,23	0
32	MG	B	222	1/1	1.00	0.02	41,41,41,41	0
32	MG	B	223	1/1	1.00	0.03	69,69,69,69	0
32	MG	A	3218	1/1	1.00	0.01	23,23,23,23	0
32	MG	A	3764	1/1	1.00	0.01	16,16,16,16	0
32	MG	A	3219	1/1	1.00	0.03	42,42,42,42	0
32	MG	A	3220	1/1	1.00	0.01	34,34,34,34	0
32	MG	A	3221	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	4229	1/1	1.00	0.01	1,1,1,1	0
32	MG	A	3222	1/1	1.00	0.03	40,40,40,40	0
32	MG	A	3223	1/1	1.00	0.02	52,52,52,52	0
32	MG	A	3224	1/1	1.00	0.01	39,39,39,39	0
32	MG	A	3016	1/1	1.00	0.01	58,58,58,58	0
32	MG	A	3226	1/1	1.00	0.02	53,53,53,53	0
32	MG	A	3227	1/1	1.00	0.01	51,51,51,51	0
32	MG	A	3774	1/1	1.00	0.01	22,22,22,22	0
32	MG	A	3228	1/1	1.00	0.01	65,65,65,65	0
32	MG	A	3229	1/1	1.00	0.02	46,46,46,46	0
32	MG	C	301	1/1	1.00	0.01	27,27,27,27	0
32	MG	a	4240	1/1	1.00	0.06	1,1,1,1	0
32	MG	C	302	1/1	1.00	0.01	46,46,46,46	0
32	MG	C	303	1/1	1.00	0.01	26,26,26,26	0
32	MG	C	304	1/1	1.00	0.02	29,29,29,29	0
32	MG	C	305	1/1	1.00	0.01	19,19,19,19	0
32	MG	C	306	1/1	1.00	0.01	45,45,45,45	0
32	MG	C	307	1/1	1.00	0.04	39,39,39,39	0
32	MG	C	308	1/1	1.00	0.04	36,36,36,36	0
32	MG	a	4248	1/1	1.00	0.02	1,1,1,1	0
32	MG	a	4249	1/1	1.00	0.03	95,95,95,95	0
32	MG	C	309	1/1	1.00	0.03	51,51,51,51	0
32	MG	C	310	1/1	1.00	0.04	59,59,59,59	0
32	MG	C	311	1/1	1.00	0.01	46,46,46,46	0
32	MG	C	312	1/1	1.00	0.04	59,59,59,59	0
32	MG	C	313	1/1	1.00	0.01	66,66,66,66	0
32	MG	C	314	1/1	1.00	0.02	76,76,76,76	0
32	MG	a	4256	1/1	1.00	0.02	6,6,6,6	0
32	MG	C	315	1/1	1.00	0.07	78,78,78,78	0
32	MG	A	3230	1/1	1.00	0.03	42,42,42,42	0
32	MG	A	3017	1/1	1.00	0.03	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3232	1/1	1.00	0.07	59,59,59,59	0
32	MG	A	3780	1/1	1.00	0.02	95,95,95,95	0
32	MG	A	3233	1/1	1.00	0.01	43,43,43,43	0
32	MG	C	321	1/1	1.00	0.03	16,16,16,16	0
32	MG	A	3782	1/1	1.00	0.02	54,54,54,54	0
32	MG	A	3018	1/1	1.00	0.01	60,60,60,60	0
32	MG	A	3235	1/1	1.00	0.05	35,35,35,35	0
32	MG	A	3236	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3237	1/1	1.00	0.02	85,85,85,85	0
32	MG	A	3019	1/1	1.00	0.02	24,24,24,24	0
32	MG	A	3239	1/1	1.00	0.02	53,53,53,53	0
32	MG	a	4271	1/1	1.00	0.01	22,22,22,22	0
32	MG	A	3020	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3241	1/1	1.00	0.02	44,44,44,44	0
32	MG	C	331	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3242	1/1	1.00	0.02	61,61,61,61	0
32	MG	A	3243	1/1	1.00	0.06	55,55,55,55	0
32	MG	A	3244	1/1	1.00	0.05	59,59,59,59	0
32	MG	A	3245	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	4279	1/1	1.00	0.02	22,22,22,22	0
32	MG	A	3021	1/1	1.00	0.02	43,43,43,43	0
32	MG	A	3022	1/1	1.00	0.02	66,66,66,66	0
32	MG	A	3797	1/1	1.00	0.03	22,22,22,22	0
32	MG	A	3023	1/1	1.00	0.01	74,74,74,74	0
32	MG	C	340	1/1	1.00	0.01	23,23,23,23	0
32	MG	A	3799	1/1	1.00	0.02	1,1,1,1	0
32	MG	A	3249	1/1	1.00	0.02	52,52,52,52	0
32	MG	A	3250	1/1	1.00	0.03	65,65,65,65	0
32	MG	A	3802	1/1	1.00	0.02	27,27,27,27	0
32	MG	D	301	1/1	1.00	0.01	48,48,48,48	0
32	MG	D	302	1/1	1.00	0.01	34,34,34,34	0
32	MG	D	303	1/1	1.00	0.03	39,39,39,39	0
32	MG	a	4292	1/1	1.00	0.02	33,33,33,33	0
32	MG	D	304	1/1	1.00	0.01	60,60,60,60	0
32	MG	D	305	1/1	1.00	0.01	50,50,50,50	0
32	MG	A	3251	1/1	1.00	0.02	46,46,46,46	0
32	MG	A	3024	1/1	1.00	0.02	52,52,52,52	0
32	MG	A	3253	1/1	1.00	0.05	55,55,55,55	0
32	MG	E	301	1/1	1.00	0.03	37,37,37,37	0
32	MG	E	302	1/1	1.00	0.01	15,15,15,15	0
32	MG	E	303	1/1	1.00	0.02	89,89,89,89	0
32	MG	E	304	1/1	1.00	0.02	73,73,73,73	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	E	305	1/1	1.00	0.02	86,86,86,86	0
32	MG	E	306	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	4304	1/1	1.00	0.04	22,22,22,22	0
32	MG	E	307	1/1	1.00	0.02	57,57,57,57	0
32	MG	E	308	1/1	1.00	0.02	77,77,77,77	0
32	MG	E	309	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	4308	1/1	1.00	0.02	32,32,32,32	0
32	MG	E	310	1/1	1.00	0.05	62,62,62,62	0
32	MG	A	3254	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3255	1/1	1.00	0.03	60,60,60,60	0
32	MG	A	3256	1/1	1.00	0.03	53,53,53,53	0
32	MG	A	3257	1/1	1.00	0.04	52,52,52,52	0
32	MG	A	3258	1/1	1.00	0.02	58,58,58,58	0
32	MG	A	3259	1/1	1.00	0.03	48,48,48,48	0
32	MG	A	3025	1/1	1.00	0.02	18,18,18,18	0
32	MG	A	3026	1/1	1.00	0.04	35,35,35,35	0
32	MG	A	3262	1/1	1.00	0.03	53,53,53,53	0
32	MG	A	3263	1/1	1.00	0.03	22,22,22,22	0
32	MG	A	3027	1/1	1.00	0.03	49,49,49,49	0
32	MG	E	322	1/1	1.00	0.01	15,15,15,15	0
32	MG	a	4322	1/1	1.00	0.06	22,22,22,22	0
32	MG	A	3028	1/1	1.00	0.01	22,22,22,22	0
32	MG	A	3818	1/1	1.00	0.03	19,19,19,19	0
32	MG	A	3266	1/1	1.00	0.04	47,47,47,47	0
32	MG	A	3267	1/1	1.00	0.02	89,89,89,89	0
32	MG	A	3268	1/1	1.00	0.06	84,84,84,84	0
32	MG	A	3269	1/1	1.00	0.02	54,54,54,54	0
32	MG	A	3270	1/1	1.00	0.02	78,78,78,78	0
32	MG	E	330	1/1	1.00	0.04	31,31,31,31	0
32	MG	a	4331	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	4332	1/1	1.00	0.01	27,27,27,27	0
32	MG	F	201	1/1	1.00	0.02	76,76,76,76	0
32	MG	F	202	1/1	1.00	0.02	71,71,71,71	0
32	MG	F	203	1/1	1.00	0.02	57,57,57,57	0
32	MG	A	3271	1/1	1.00	0.01	35,35,35,35	0
32	MG	A	3272	1/1	1.00	0.01	49,49,49,49	0
32	MG	A	3273	1/1	1.00	0.04	51,51,51,51	0
32	MG	A	3274	1/1	1.00	0.01	36,36,36,36	0
32	MG	A	3275	1/1	1.00	0.02	82,82,82,82	0
32	MG	H	203	1/1	1.00	0.01	33,33,33,33	0
32	MG	a	4342	1/1	1.00	0.06	24,24,24,24	0
32	MG	a	4343	1/1	1.00	0.02	13,13,13,13	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	H	204	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3276	1/1	1.00	0.03	42,42,42,42	0
32	MG	A	3277	1/1	1.00	0.02	34,34,34,34	0
32	MG	A	3278	1/1	1.00	0.02	40,40,40,40	0
32	MG	A	3279	1/1	1.00	0.02	54,54,54,54	0
32	MG	I	201	1/1	1.00	0.04	56,56,56,56	0
32	MG	I	202	1/1	1.00	0.01	37,37,37,37	0
32	MG	I	203	1/1	1.00	0.03	54,54,54,54	0
32	MG	I	204	1/1	1.00	0.01	32,32,32,32	0
32	MG	I	205	1/1	1.00	0.02	75,75,75,75	0
32	MG	I	206	1/1	1.00	0.02	60,60,60,60	0
32	MG	I	207	1/1	1.00	0.04	71,71,71,71	0
32	MG	I	208	1/1	1.00	0.03	49,49,49,49	0
32	MG	A	3833	1/1	1.00	0.03	4,4,4,4	0
32	MG	a	4358	1/1	1.00	0.01	23,23,23,23	0
32	MG	A	3029	1/1	1.00	0.04	62,62,62,62	0
32	MG	A	3030	1/1	1.00	0.01	35,35,35,35	0
32	MG	a	4361	1/1	1.00	0.01	17,17,17,17	0
32	MG	I	212	1/1	1.00	0.02	0,0,0,0	0
32	MG	a	4363	1/1	1.00	0.02	28,28,28,28	0
32	MG	A	3282	1/1	1.00	0.02	37,37,37,37	0
32	MG	J	202	1/1	1.00	0.01	51,51,51,51	0
32	MG	A	3283	1/1	1.00	0.04	48,48,48,48	0
32	MG	A	3284	1/1	1.00	0.04	45,45,45,45	0
32	MG	A	3839	1/1	1.00	0.03	32,32,32,32	0
32	MG	A	3285	1/1	1.00	0.01	41,41,41,41	0
32	MG	A	3286	1/1	1.00	0.04	55,55,55,55	0
32	MG	A	3287	1/1	1.00	0.02	51,51,51,51	0
32	MG	A	3843	1/1	1.00	0.04	95,95,95,95	0
32	MG	K	201	1/1	1.00	0.01	6,6,6,6	0
32	MG	K	202	1/1	1.00	0.03	21,21,21,21	0
32	MG	K	203	1/1	1.00	0.01	0,0,0,0	0
32	MG	a	4376	1/1	1.00	0.02	24,24,24,24	0
32	MG	K	204	1/1	1.00	0.01	46,46,46,46	0
32	MG	K	205	1/1	1.00	0.02	84,84,84,84	0
32	MG	K	206	1/1	1.00	0.01	48,48,48,48	0
32	MG	A	3288	1/1	1.00	0.04	61,61,61,61	0
32	MG	A	3289	1/1	1.00	0.02	52,52,52,52	0
32	MG	A	3290	1/1	1.00	0.03	60,60,60,60	0
32	MG	A	3291	1/1	1.00	0.04	28,28,28,28	0
32	MG	a	4384	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	4385	1/1	1.00	0.01	19,19,19,19	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3292	1/1	1.00	0.02	87,87,87,87	0
32	MG	K	212	1/1	1.00	0.01	7,7,7,7	0
32	MG	A	3293	1/1	1.00	0.01	43,43,43,43	0
32	MG	A	3003	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	4390	1/1	1.00	0.02	24,24,24,24	0
32	MG	A	3851	1/1	1.00	0.06	95,95,95,95	0
32	MG	K	216	1/1	1.00	0.09	27,27,27,27	0
32	MG	A	3295	1/1	1.00	0.03	55,55,55,55	0
32	MG	K	218	1/1	1.00	0.03	23,23,23,23	0
32	MG	K	219	1/1	1.00	0.01	26,26,26,26	0
32	MG	A	3296	1/1	1.00	0.04	66,66,66,66	0
32	MG	A	3297	1/1	1.00	0.01	33,33,33,33	0
32	MG	A	3298	1/1	1.00	0.03	80,80,80,80	0
32	MG	L	201	1/1	1.00	0.01	16,16,16,16	0
32	MG	L	202	1/1	1.00	0.01	35,35,35,35	0
32	MG	L	203	1/1	1.00	0.02	26,26,26,26	0
32	MG	L	204	1/1	1.00	0.03	53,53,53,53	0
32	MG	A	3299	1/1	1.00	0.02	36,36,36,36	0
32	MG	L	206	1/1	1.00	0.05	95,95,95,95	0
32	MG	A	3857	1/1	1.00	0.03	5,5,5,5	0
32	MG	A	3858	1/1	1.00	0.03	1,1,1,1	0
32	MG	A	3032	1/1	1.00	0.03	79,79,79,79	0
32	MG	M	201	1/1	1.00	0.02	41,41,41,41	0
32	MG	M	202	1/1	1.00	0.02	71,71,71,71	0
32	MG	a	4410	1/1	1.00	0.03	30,30,30,30	0
32	MG	a	4411	1/1	1.00	0.01	33,33,33,33	0
32	MG	A	3860	1/1	1.00	0.04	17,17,17,17	0
32	MG	A	3033	1/1	1.00	0.02	39,39,39,39	0
32	MG	O	201	1/1	1.00	0.02	63,63,63,63	0
32	MG	O	202	1/1	1.00	0.02	59,59,59,59	0
32	MG	A	3302	1/1	1.00	0.01	44,44,44,44	0
32	MG	A	3863	1/1	1.00	0.05	95,95,95,95	0
32	MG	A	3303	1/1	1.00	0.02	84,84,84,84	0
32	MG	O	206	1/1	1.00	0.02	3,3,3,3	0
32	MG	O	207	1/1	1.00	0.02	2,2,2,2	0
32	MG	A	3304	1/1	1.00	0.02	61,61,61,61	0
32	MG	A	3034	1/1	1.00	0.02	59,59,59,59	0
32	MG	A	3306	1/1	1.00	0.04	34,34,34,34	0
32	MG	P	201	1/1	1.00	0.01	36,36,36,36	0
32	MG	a	4425	1/1	1.00	0.03	27,27,27,27	0
32	MG	P	202	1/1	1.00	0.03	54,54,54,54	0
32	MG	P	203	1/1	1.00	0.02	67,67,67,67	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3307	1/1	1.00	0.03	44,44,44,44	0
32	MG	a	4429	1/1	1.00	0.04	30,30,30,30	0
32	MG	A	3869	1/1	1.00	0.03	35,35,35,35	0
32	MG	A	3308	1/1	1.00	0.04	65,65,65,65	0
32	MG	a	4432	1/1	1.00	0.01	26,26,26,26	0
32	MG	a	4433	1/1	1.00	0.01	28,28,28,28	0
32	MG	A	3309	1/1	1.00	0.02	61,61,61,61	0
32	MG	A	3310	1/1	1.00	0.01	54,54,54,54	0
32	MG	A	3311	1/1	1.00	0.02	43,43,43,43	0
32	MG	A	3312	1/1	1.00	0.03	49,49,49,49	0
32	MG	A	3875	1/1	1.00	0.02	17,17,17,17	0
32	MG	a	4439	1/1	1.00	0.03	29,29,29,29	0
32	MG	a	4440	1/1	1.00	0.03	23,23,23,23	0
32	MG	A	3313	1/1	1.00	0.01	78,78,78,78	0
32	MG	a	4442	1/1	1.00	0.03	30,30,30,30	0
32	MG	Q	206	1/1	1.00	0.01	31,31,31,31	0
32	MG	A	3314	1/1	1.00	0.03	64,64,64,64	0
32	MG	A	3878	1/1	1.00	0.01	20,20,20,20	0
32	MG	A	3879	1/1	1.00	0.05	95,95,95,95	0
32	MG	A	3315	1/1	1.00	0.01	52,52,52,52	0
32	MG	R	201	1/1	1.00	0.02	68,68,68,68	0
32	MG	R	202	1/1	1.00	0.02	59,59,59,59	0
32	MG	R	203	1/1	1.00	0.02	63,63,63,63	0
32	MG	R	204	1/1	1.00	0.02	71,71,71,71	0
32	MG	R	205	1/1	1.00	0.01	69,69,69,69	0
32	MG	A	3035	1/1	1.00	0.03	37,37,37,37	0
32	MG	A	3317	1/1	1.00	0.02	76,76,76,76	0
32	MG	A	3883	1/1	1.00	0.03	18,18,18,18	0
32	MG	A	3036	1/1	1.00	0.02	31,31,31,31	0
32	MG	a	4457	1/1	1.00	0.02	14,14,14,14	0
32	MG	A	3319	1/1	1.00	0.04	74,74,74,74	0
32	MG	A	3037	1/1	1.00	0.01	33,33,33,33	0
32	MG	A	3887	1/1	1.00	0.03	24,24,24,24	0
32	MG	A	3321	1/1	1.00	0.02	43,43,43,43	0
32	MG	A	3322	1/1	1.00	0.04	62,62,62,62	0
32	MG	A	3890	1/1	1.00	0.02	47,47,47,47	0
32	MG	A	3038	1/1	1.00	0.01	59,59,59,59	0
32	MG	R	217	1/1	1.00	0.01	24,24,24,24	0
32	MG	a	4466	1/1	1.00	0.05	35,35,35,35	0
32	MG	A	3892	1/1	1.00	0.04	95,95,95,95	0
32	MG	A	3324	1/1	1.00	0.02	56,56,56,56	0
32	MG	S	101	1/1	1.00	0.02	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	S	102	1/1	1.00	0.01	27,27,27,27	0
32	MG	S	103	1/1	1.00	0.01	77,77,77,77	0
32	MG	a	4472	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	4473	1/1	1.00	0.02	24,24,24,24	0
32	MG	A	3325	1/1	1.00	0.03	78,78,78,78	0
32	MG	S	105	1/1	1.00	0.01	1,1,1,1	0
32	MG	A	3326	1/1	1.00	0.02	39,39,39,39	0
32	MG	A	3327	1/1	1.00	0.03	70,70,70,70	0
32	MG	A	3328	1/1	1.00	0.03	53,53,53,53	0
32	MG	a	4479	1/1	1.00	0.03	28,28,28,28	0
32	MG	a	4480	1/1	1.00	0.03	30,30,30,30	0
32	MG	A	3329	1/1	1.00	0.02	82,82,82,82	0
32	MG	T	502	1/1	1.00	0.02	60,60,60,60	0
32	MG	T	503	1/1	1.00	0.01	70,70,70,70	0
32	MG	T	504	1/1	1.00	0.03	69,69,69,69	0
32	MG	T	505	1/1	1.00	0.02	59,59,59,59	0
32	MG	A	3330	1/1	1.00	0.02	60,60,60,60	0
32	MG	A	3331	1/1	1.00	0.02	57,57,57,57	0
32	MG	A	3332	1/1	1.00	0.02	59,59,59,59	0
32	MG	T	509	1/1	1.00	0.01	27,27,27,27	0
32	MG	a	4490	1/1	1.00	0.03	29,29,29,29	0
32	MG	A	3333	1/1	1.00	0.02	54,54,54,54	0
32	MG	A	3039	1/1	1.00	0.01	73,73,73,73	0
32	MG	T	512	1/1	1.00	0.03	30,30,30,30	0
32	MG	A	3004	1/1	1.00	0.01	20,20,20,20	0
32	MG	A	3336	1/1	1.00	0.02	61,61,61,61	0
32	MG	A	3906	1/1	1.00	0.02	21,21,21,21	0
32	MG	A	3907	1/1	1.00	0.02	6,6,6,6	0
32	MG	A	3337	1/1	1.00	0.03	49,49,49,49	0
32	MG	A	3909	1/1	1.00	0.01	38,38,38,38	0
32	MG	U	301	1/1	1.00	0.01	11,11,11,11	0
32	MG	a	4501	1/1	1.00	0.08	31,31,31,31	0
32	MG	a	4502	1/1	1.00	0.01	28,28,28,28	0
32	MG	U	302	1/1	1.00	0.03	48,48,48,48	0
32	MG	U	303	1/1	1.00	0.01	65,65,65,65	0
32	MG	A	3338	1/1	1.00	0.03	57,57,57,57	0
32	MG	a	4506	1/1	1.00	0.02	22,22,22,22	0
32	MG	U	305	1/1	1.00	0.02	8,8,8,8	0
32	MG	A	3339	1/1	1.00	0.02	58,58,58,58	0
32	MG	A	3340	1/1	1.00	0.02	56,56,56,56	0
32	MG	A	3341	1/1	1.00	0.02	39,39,39,39	0
32	MG	A	3914	1/1	1.00	0.03	0,0,0,0	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	4512	1/1	1.00	0.02	23,23,23,23	0
32	MG	A	3342	1/1	1.00	0.02	21,21,21,21	0
32	MG	A	3343	1/1	1.00	0.04	94,94,94,94	0
32	MG	V	101	1/1	1.00	0.01	41,41,41,41	0
32	MG	V	102	1/1	1.00	0.01	42,42,42,42	0
32	MG	V	103	1/1	1.00	0.02	45,45,45,45	0
32	MG	V	104	1/1	1.00	0.02	64,64,64,64	0
32	MG	A	3041	1/1	1.00	0.01	28,28,28,28	0
32	MG	W	101	1/1	1.00	0.01	26,26,26,26	0
32	MG	W	102	1/1	1.00	0.04	51,51,51,51	0
32	MG	W	103	1/1	1.00	0.01	18,18,18,18	0
32	MG	W	104	1/1	1.00	0.03	9,9,9,9	0
32	MG	W	105	1/1	1.00	0.02	24,24,24,24	0
32	MG	W	106	1/1	1.00	0.02	59,59,59,59	0
32	MG	W	107	1/1	1.00	0.01	75,75,75,75	0
32	MG	a	4527	1/1	1.00	0.01	23,23,23,23	0
32	MG	W	108	1/1	1.00	0.01	70,70,70,70	0
32	MG	W	109	1/1	1.00	0.01	64,64,64,64	0
32	MG	A	3345	1/1	1.00	0.04	30,30,30,30	0
32	MG	A	3346	1/1	1.00	0.01	40,40,40,40	0
32	MG	a	4532	1/1	1.00	0.03	27,27,27,27	0
32	MG	A	3347	1/1	1.00	0.08	52,52,52,52	0
32	MG	W	113	1/1	1.00	0.02	0,0,0,0	0
32	MG	W	114	1/1	1.00	0.03	2,2,2,2	0
32	MG	A	3348	1/1	1.00	0.02	60,60,60,60	0
32	MG	X	101	1/1	1.00	0.02	55,55,55,55	0
32	MG	X	102	1/1	1.00	0.02	57,57,57,57	0
32	MG	X	103	1/1	1.00	0.03	66,66,66,66	0
32	MG	X	104	1/1	1.00	0.02	66,66,66,66	0
32	MG	A	3349	1/1	1.00	0.04	76,76,76,76	0
32	MG	a	4542	1/1	1.00	0.03	24,24,24,24	0
32	MG	a	4543	1/1	1.00	0.03	17,17,17,17	0
32	MG	A	3350	1/1	1.00	0.02	54,54,54,54	0
32	MG	A	3924	1/1	1.00	0.02	4,4,4,4	0
32	MG	A	3925	1/1	1.00	0.02	12,12,12,12	0
32	MG	A	3351	1/1	1.00	0.04	59,59,59,59	0
32	MG	A	3927	1/1	1.00	0.02	35,35,35,35	0
32	MG	A	3352	1/1	1.00	0.02	50,50,50,50	0
32	MG	A	3353	1/1	1.00	0.02	49,49,49,49	0
32	MG	A	3354	1/1	1.00	0.04	37,37,37,37	0
32	MG	a	4552	1/1	1.00	0.02	31,31,31,31	0
32	MG	A	3042	1/1	1.00	0.01	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3356	1/1	1.00	0.01	48,48,48,48	0
32	MG	A	3357	1/1	1.00	0.03	77,77,77,77	0
32	MG	a	4556	1/1	1.00	0.02	23,23,23,23	0
32	MG	A	3358	1/1	1.00	0.05	34,34,34,34	0
32	MG	A	3935	1/1	1.00	0.03	1,1,1,1	0
32	MG	0	102	1/1	1.00	0.01	5,5,5,5	0
32	MG	A	3359	1/1	1.00	0.02	39,39,39,39	0
32	MG	A	3360	1/1	1.00	0.02	35,35,35,35	0
32	MG	a	4562	1/1	1.00	0.02	28,28,28,28	0
32	MG	A	3361	1/1	1.00	0.03	56,56,56,56	0
32	MG	A	3043	1/1	1.00	0.01	18,18,18,18	0
32	MG	A	3363	1/1	1.00	0.03	64,64,64,64	0
32	MG	13	101	1/1	1.00	0.02	77,77,77,77	0
32	MG	13	102	1/1	1.00	0.01	60,60,60,60	0
32	MG	a	4568	1/1	1.00	0.02	28,28,28,28	0
32	MG	a	4569	1/1	1.00	0.03	32,32,32,32	0
32	MG	2	101	1/1	1.00	0.01	26,26,26,26	0
32	MG	2	102	1/1	1.00	0.03	26,26,26,26	0
32	MG	A	3005	1/1	1.00	0.01	22,22,22,22	0
32	MG	2	104	1/1	1.00	0.03	67,67,67,67	0
32	MG	2	105	1/1	1.00	0.02	63,63,63,63	0
32	MG	A	3942	1/1	1.00	0.02	0,0,0,0	0
32	MG	A	3045	1/1	1.00	0.01	66,66,66,66	0
32	MG	A	3366	1/1	1.00	0.03	33,33,33,33	0
32	MG	A	3367	1/1	1.00	0.05	50,50,50,50	0
32	MG	A	3368	1/1	1.00	0.03	26,26,26,26	0
32	MG	A	3369	1/1	1.00	0.06	52,52,52,52	0
32	MG	3	101	1/1	1.00	0.01	20,20,20,20	0
32	MG	3	102	1/1	1.00	0.04	31,31,31,31	0
32	MG	a	4583	1/1	1.00	0.01	20,20,20,20	0
32	MG	a	4584	1/1	1.00	0.01	23,23,23,23	0
32	MG	a	3001	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3002	1/1	1.00	0.03	28,28,28,28	0
32	MG	a	4587	1/1	1.00	0.02	28,28,28,28	0
32	MG	a	3003	1/1	1.00	0.02	63,63,63,63	0
32	MG	a	3004	1/1	1.00	0.01	20,20,20,20	0
32	MG	a	3005	1/1	1.00	0.02	15,15,15,15	0
32	MG	a	4591	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	4592	1/1	1.00	0.02	27,27,27,27	0
32	MG	A	3370	1/1	1.00	0.03	47,47,47,47	0
32	MG	a	3007	1/1	1.00	0.03	35,35,35,35	0
32	MG	a	4595	1/1	1.00	0.01	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3008	1/1	1.00	0.02	16,16,16,16	0
32	MG	a	3009	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3010	1/1	1.00	0.03	34,34,34,34	0
32	MG	a	3011	1/1	1.00	0.01	33,33,33,33	0
32	MG	a	3012	1/1	1.00	0.03	28,28,28,28	0
32	MG	a	3013	1/1	1.00	0.01	11,11,11,11	0
32	MG	a	3014	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3015	1/1	1.00	0.01	40,40,40,40	0
32	MG	a	3016	1/1	1.00	0.03	29,29,29,29	0
32	MG	a	3017	1/1	1.00	0.03	14,14,14,14	0
32	MG	a	4606	1/1	1.00	0.04	29,29,29,29	0
32	MG	a	3018	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3019	1/1	1.00	0.02	7,7,7,7	0
32	MG	a	3020	1/1	1.00	0.03	17,17,17,17	0
32	MG	a	4610	1/1	1.00	0.03	28,28,28,28	0
32	MG	a	3021	1/1	1.00	0.02	27,27,27,27	0
32	MG	a	3022	1/1	1.00	0.02	61,61,61,61	0
32	MG	a	3023	1/1	1.00	0.02	31,31,31,31	0
32	MG	a	3024	1/1	1.00	0.01	23,23,23,23	0
32	MG	b	201	1/1	1.00	0.02	91,91,91,91	0
32	MG	A	3371	1/1	1.00	0.01	38,38,38,38	0
32	MG	b	203	1/1	1.00	0.02	29,29,29,29	0
32	MG	b	204	1/1	1.00	0.02	38,38,38,38	0
32	MG	b	205	1/1	1.00	0.03	83,83,83,83	0
32	MG	b	206	1/1	1.00	0.02	63,63,63,63	0
32	MG	b	207	1/1	1.00	0.04	42,42,42,42	0
32	MG	b	208	1/1	1.00	0.01	44,44,44,44	0
32	MG	b	209	1/1	1.00	0.03	52,52,52,52	0
32	MG	b	210	1/1	1.00	0.04	61,61,61,61	0
32	MG	a	3026	1/1	1.00	0.02	16,16,16,16	0
32	MG	A	3372	1/1	1.00	0.01	47,47,47,47	0
32	MG	a	3028	1/1	1.00	0.02	41,41,41,41	0
32	MG	b	214	1/1	1.00	0.03	14,14,14,14	0
32	MG	a	3029	1/1	1.00	0.02	19,19,19,19	0
32	MG	b	216	1/1	1.00	0.01	28,28,28,28	0
32	MG	a	3030	1/1	1.00	0.01	29,29,29,29	0
32	MG	a	3031	1/1	1.00	0.03	42,42,42,42	0
32	MG	a	3032	1/1	1.00	0.03	50,50,50,50	0
32	MG	a	3033	1/1	1.00	0.01	60,60,60,60	0
32	MG	a	3034	1/1	1.00	0.01	30,30,30,30	0
32	MG	c	301	1/1	1.00	0.02	37,37,37,37	0
32	MG	c	302	1/1	1.00	0.04	49,49,49,49	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	c	303	1/1	1.00	0.01	62,62,62,62	0
32	MG	c	304	1/1	1.00	0.03	61,61,61,61	0
32	MG	c	305	1/1	1.00	0.04	74,74,74,74	0
32	MG	c	306	1/1	1.00	0.04	53,53,53,53	0
32	MG	c	307	1/1	1.00	0.01	70,70,70,70	0
32	MG	c	308	1/1	1.00	0.02	60,60,60,60	0
32	MG	c	309	1/1	1.00	0.05	74,74,74,74	0
32	MG	c	310	1/1	1.00	0.02	88,88,88,88	0
32	MG	c	311	1/1	1.00	0.01	62,62,62,62	0
32	MG	c	312	1/1	1.00	0.02	62,62,62,62	0
32	MG	c	313	1/1	1.00	0.01	65,65,65,65	0
32	MG	a	3035	1/1	1.00	0.04	42,42,42,42	0
32	MG	a	3036	1/1	1.00	0.04	33,33,33,33	0
32	MG	a	3037	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3038	1/1	1.00	0.02	52,52,52,52	0
32	MG	a	3039	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3040	1/1	1.00	0.01	61,61,61,61	0
32	MG	a	3041	1/1	1.00	0.01	38,38,38,38	0
32	MG	a	3042	1/1	1.00	0.03	30,30,30,30	0
32	MG	a	3043	1/1	1.00	0.03	47,47,47,47	0
32	MG	a	3044	1/1	1.00	0.04	41,41,41,41	0
32	MG	a	3045	1/1	1.00	0.02	33,33,33,33	0
32	MG	a	3046	1/1	1.00	0.02	47,47,47,47	0
32	MG	a	3047	1/1	1.00	0.01	6,6,6,6	0
32	MG	a	3048	1/1	1.00	0.05	24,24,24,24	0
32	MG	a	3049	1/1	1.00	0.03	71,71,71,71	0
32	MG	a	3050	1/1	1.00	0.01	21,21,21,21	0
32	MG	a	3051	1/1	1.00	0.02	22,22,22,22	0
32	MG	a	3052	1/1	1.00	0.03	51,51,51,51	0
32	MG	a	3053	1/1	1.00	0.02	23,23,23,23	0
32	MG	a	3054	1/1	1.00	0.02	41,41,41,41	0
32	MG	d	301	1/1	1.00	0.01	31,31,31,31	0
32	MG	d	302	1/1	1.00	0.03	54,54,54,54	0
32	MG	d	303	1/1	1.00	0.02	70,70,70,70	0
32	MG	d	304	1/1	1.00	0.02	53,53,53,53	0
32	MG	d	305	1/1	1.00	0.02	49,49,49,49	0
32	MG	d	306	1/1	1.00	0.02	64,64,64,64	0
32	MG	d	307	1/1	1.00	0.01	67,67,67,67	0
32	MG	d	308	1/1	1.00	0.01	55,55,55,55	0
32	MG	d	309	1/1	1.00	0.01	57,57,57,57	0
32	MG	d	310	1/1	1.00	0.02	53,53,53,53	0
32	MG	d	311	1/1	1.00	0.05	49,49,49,49	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	d	312	1/1	1.00	0.02	75,75,75,75	0
32	MG	d	313	1/1	1.00	0.02	81,81,81,81	0
32	MG	d	314	1/1	1.00	0.03	79,79,79,79	0
32	MG	d	315	1/1	1.00	0.04	12,12,12,12	0
32	MG	d	316	1/1	1.00	0.06	29,29,29,29	0
32	MG	a	3055	1/1	1.00	0.03	39,39,39,39	0
32	MG	d	318	1/1	1.00	0.02	40,40,40,40	0
32	MG	a	3056	1/1	1.00	0.03	32,32,32,32	0
32	MG	a	3057	1/1	1.00	0.02	64,64,64,64	0
32	MG	d	321	1/1	1.00	0.04	39,39,39,39	0
32	MG	a	3058	1/1	1.00	0.02	64,64,64,64	0
32	MG	a	3059	1/1	1.00	0.01	34,34,34,34	0
32	MG	a	3060	1/1	1.00	0.02	29,29,29,29	0
32	MG	a	3061	1/1	1.00	0.01	40,40,40,40	0
32	MG	e	301	1/1	1.00	0.01	51,51,51,51	0
32	MG	e	302	1/1	1.00	0.04	49,49,49,49	0
32	MG	e	303	1/1	1.00	0.04	53,53,53,53	0
32	MG	e	304	1/1	1.00	0.02	49,49,49,49	0
32	MG	e	305	1/1	1.00	0.01	49,49,49,49	0
32	MG	e	306	1/1	1.00	0.01	53,53,53,53	0
32	MG	e	307	1/1	1.00	0.02	49,49,49,49	0
32	MG	e	308	1/1	1.00	0.01	54,54,54,54	0
32	MG	e	309	1/1	1.00	0.03	67,67,67,67	0
32	MG	e	310	1/1	1.00	0.03	78,78,78,78	0
32	MG	a	3062	1/1	1.00	0.04	20,20,20,20	0
32	MG	a	3063	1/1	1.00	0.01	31,31,31,31	0
32	MG	e	313	1/1	1.00	0.02	1,1,1,1	0
32	MG	a	3064	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3065	1/1	1.00	0.01	21,21,21,21	0
32	MG	a	3066	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	3067	1/1	1.00	0.01	26,26,26,26	0
32	MG	e	318	1/1	1.00	0.01	95,95,95,95	0
32	MG	a	3068	1/1	1.00	0.01	37,37,37,37	0
32	MG	a	3069	1/1	1.00	0.02	67,67,67,67	0
32	MG	a	3070	1/1	1.00	0.01	38,38,38,38	0
32	MG	a	3071	1/1	1.00	0.02	34,34,34,34	0
32	MG	a	3072	1/1	1.00	0.06	66,66,66,66	0
32	MG	a	3073	1/1	1.00	0.03	22,22,22,22	0
32	MG	a	3074	1/1	1.00	0.01	52,52,52,52	0
32	MG	e	326	1/1	1.00	0.01	30,30,30,30	0
32	MG	a	3075	1/1	1.00	0.01	31,31,31,31	0
32	MG	e	328	1/1	1.00	0.06	25,25,25,25	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3373	1/1	1.00	0.02	53,53,53,53	0
32	MG	a	3077	1/1	1.00	0.01	14,14,14,14	0
32	MG	e	331	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3078	1/1	1.00	0.02	78,78,78,78	0
32	MG	A	3374	1/1	1.00	0.01	43,43,43,43	0
32	MG	A	3375	1/1	1.00	0.03	49,49,49,49	0
32	MG	a	3081	1/1	1.00	0.02	43,43,43,43	0
32	MG	a	3082	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3083	1/1	1.00	0.01	19,19,19,19	0
32	MG	f	201	1/1	1.00	0.01	31,31,31,31	0
32	MG	f	202	1/1	1.00	0.02	73,73,73,73	0
32	MG	f	203	1/1	1.00	0.02	79,79,79,79	0
32	MG	a	3084	1/1	1.00	0.01	30,30,30,30	0
32	MG	a	3085	1/1	1.00	0.02	64,64,64,64	0
32	MG	g	202	1/1	1.00	0.05	35,35,35,35	0
32	MG	a	3086	1/1	1.00	0.03	28,28,28,28	0
32	MG	a	3087	1/1	1.00	0.07	23,23,23,23	0
32	MG	a	3088	1/1	1.00	0.01	15,15,15,15	0
32	MG	a	3089	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3090	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3091	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3092	1/1	1.00	0.03	15,15,15,15	0
32	MG	h	201	1/1	1.00	0.02	53,53,53,53	0
32	MG	h	202	1/1	1.00	0.03	53,53,53,53	0
32	MG	h	203	1/1	1.00	0.03	53,53,53,53	0
32	MG	h	204	1/1	1.00	0.03	95,95,95,95	0
32	MG	a	3093	1/1	1.00	0.02	10,10,10,10	0
32	MG	h	206	1/1	1.00	0.03	9,9,9,9	0
32	MG	A	3376	1/1	1.00	0.03	68,68,68,68	0
32	MG	a	3095	1/1	1.00	0.01	14,14,14,14	0
32	MG	a	3096	1/1	1.00	0.01	20,20,20,20	0
32	MG	a	3097	1/1	1.00	0.01	13,13,13,13	0
32	MG	a	3098	1/1	1.00	0.02	45,45,45,45	0
32	MG	a	3099	1/1	1.00	0.02	48,48,48,48	0
32	MG	a	3100	1/1	1.00	0.01	131,131,131,131	0
32	MG	a	3101	1/1	1.00	0.01	24,24,24,24	0
32	MG	a	3102	1/1	1.00	0.01	30,30,30,30	0
32	MG	a	3103	1/1	1.00	0.01	48,48,48,48	0
32	MG	h	217	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3104	1/1	1.00	0.00	5,5,5,5	0
32	MG	i	201	1/1	1.00	0.03	76,76,76,76	0
32	MG	i	202	1/1	1.00	0.01	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	i	203	1/1	1.00	0.03	68,68,68,68	0
32	MG	i	204	1/1	1.00	0.02	64,64,64,64	0
32	MG	i	205	1/1	1.00	0.02	67,67,67,67	0
32	MG	i	206	1/1	1.00	0.01	65,65,65,65	0
32	MG	a	3105	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3106	1/1	1.00	0.01	28,28,28,28	0
32	MG	a	3107	1/1	1.00	0.01	14,14,14,14	0
32	MG	a	3108	1/1	1.00	0.04	41,41,41,41	0
32	MG	a	3109	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3110	1/1	1.00	0.01	11,11,11,11	0
32	MG	a	3111	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	3112	1/1	1.00	0.02	37,37,37,37	0
32	MG	i	215	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	3113	1/1	1.00	0.04	24,24,24,24	0
32	MG	a	3114	1/1	1.00	0.02	39,39,39,39	0
32	MG	a	3115	1/1	1.00	0.03	36,36,36,36	0
32	MG	a	3116	1/1	1.00	0.03	46,46,46,46	0
32	MG	a	3117	1/1	1.00	0.02	23,23,23,23	0
32	MG	a	3118	1/1	1.00	0.02	23,23,23,23	0
32	MG	a	3119	1/1	1.00	0.02	44,44,44,44	0
32	MG	a	3120	1/1	1.00	0.01	43,43,43,43	0
32	MG	a	3121	1/1	1.00	0.04	29,29,29,29	0
32	MG	a	3122	1/1	1.00	0.03	30,30,30,30	0
32	MG	a	3123	1/1	1.00	0.03	53,53,53,53	0
32	MG	j	201	1/1	1.00	0.02	45,45,45,45	0
32	MG	j	202	1/1	1.00	0.03	53,53,53,53	0
32	MG	j	203	1/1	1.00	0.03	77,77,77,77	0
32	MG	j	204	1/1	1.00	0.01	54,54,54,54	0
32	MG	j	205	1/1	1.00	0.01	69,69,69,69	0
32	MG	j	206	1/1	1.00	0.03	48,48,48,48	0
32	MG	j	207	1/1	1.00	0.02	60,60,60,60	0
32	MG	j	208	1/1	1.00	0.02	74,74,74,74	0
32	MG	j	209	1/1	1.00	0.03	75,75,75,75	0
32	MG	j	210	1/1	1.00	0.02	63,63,63,63	0
32	MG	j	211	1/1	1.00	0.02	64,64,64,64	0
32	MG	j	212	1/1	1.00	0.02	65,65,65,65	0
32	MG	a	3124	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	3125	1/1	1.00	0.03	22,22,22,22	0
32	MG	a	3126	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	3127	1/1	1.00	0.01	21,21,21,21	0
32	MG	a	3128	1/1	1.00	0.02	33,33,33,33	0
32	MG	a	3129	1/1	1.00	0.02	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	j	219	1/1	1.00	0.02	22,22,22,22	0
32	MG	a	3130	1/1	1.00	0.02	29,29,29,29	0
32	MG	a	3131	1/1	1.00	0.01	29,29,29,29	0
32	MG	k	201	1/1	1.00	0.01	52,52,52,52	0
32	MG	k	202	1/1	1.00	0.01	94,94,94,94	0
32	MG	k	203	1/1	1.00	0.01	55,55,55,55	0
32	MG	k	204	1/1	1.00	0.02	54,54,54,54	0
32	MG	k	205	1/1	1.00	0.03	95,95,95,95	0
32	MG	A	3955	1/1	1.00	0.03	31,31,31,31	0
32	MG	a	3133	1/1	1.00	0.02	18,18,18,18	0
32	MG	a	3134	1/1	1.00	0.03	39,39,39,39	0
32	MG	a	3135	1/1	1.00	0.01	22,22,22,22	0
32	MG	a	3136	1/1	1.00	0.03	44,44,44,44	0
32	MG	a	3137	1/1	1.00	0.01	34,34,34,34	0
32	MG	a	3138	1/1	1.00	0.02	31,31,31,31	0
32	MG	a	3139	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3140	1/1	1.00	0.03	46,46,46,46	0
32	MG	a	3141	1/1	1.00	0.02	40,40,40,40	0
32	MG	k	216	1/1	1.00	0.02	28,28,28,28	0
32	MG	a	3142	1/1	1.00	0.02	23,23,23,23	0
32	MG	a	3143	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3144	1/1	1.00	0.02	24,24,24,24	0
32	MG	a	3145	1/1	1.00	0.02	24,24,24,24	0
32	MG	l	201	1/1	1.00	0.01	16,16,16,16	0
32	MG	l	202	1/1	1.00	0.01	13,13,13,13	0
32	MG	l	203	1/1	1.00	0.03	49,49,49,49	0
32	MG	l	204	1/1	1.00	0.02	27,27,27,27	0
32	MG	l	205	1/1	1.00	0.02	50,50,50,50	0
32	MG	l	206	1/1	1.00	0.08	64,64,64,64	0
32	MG	l	207	1/1	1.00	0.02	59,59,59,59	0
32	MG	l	208	1/1	1.00	0.01	56,56,56,56	0
32	MG	l	209	1/1	1.00	0.02	32,32,32,32	0
32	MG	a	3146	1/1	1.00	0.02	30,30,30,30	0
32	MG	l	211	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3147	1/1	1.00	0.01	28,28,28,28	0
32	MG	l	213	1/1	1.00	0.01	12,12,12,12	0
32	MG	a	3148	1/1	1.00	0.05	54,54,54,54	0
32	MG	a	3149	1/1	1.00	0.03	29,29,29,29	0
32	MG	a	3150	1/1	1.00	0.01	46,46,46,46	0
32	MG	a	3151	1/1	1.00	0.03	55,55,55,55	0
32	MG	m	202	1/1	1.00	0.03	65,65,65,65	0
32	MG	m	203	1/1	1.00	0.03	46,46,46,46	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	m	204	1/1	1.00	0.01	75,75,75,75	0
32	MG	m	205	1/1	1.00	0.01	66,66,66,66	0
32	MG	m	206	1/1	1.00	0.04	82,82,82,82	0
32	MG	a	3152	1/1	1.00	0.01	25,25,25,25	0
32	MG	a	3153	1/1	1.00	0.03	38,38,38,38	0
32	MG	a	3154	1/1	1.00	0.02	34,34,34,34	0
32	MG	a	3155	1/1	1.00	0.01	17,17,17,17	0
32	MG	a	3156	1/1	1.00	0.01	34,34,34,34	0
32	MG	m	212	1/1	1.00	0.01	20,20,20,20	0
32	MG	a	3157	1/1	1.00	0.01	26,26,26,26	0
32	MG	a	3158	1/1	1.00	0.03	37,37,37,37	0
32	MG	a	3159	1/1	1.00	0.02	38,38,38,38	0
32	MG	a	3160	1/1	1.00	0.01	42,42,42,42	0
32	MG	a	3161	1/1	1.00	0.03	51,51,51,51	0
32	MG	a	3162	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	3163	1/1	1.00	0.02	36,36,36,36	0
32	MG	n	201	1/1	1.00	0.01	43,43,43,43	0
32	MG	a	3164	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3165	1/1	1.00	0.03	34,34,34,34	0
32	MG	a	3166	1/1	1.00	0.02	7,7,7,7	0
32	MG	a	3167	1/1	1.00	0.01	17,17,17,17	0
32	MG	n	206	1/1	1.00	0.03	25,25,25,25	0
32	MG	a	3168	1/1	1.00	0.02	34,34,34,34	0
32	MG	o	201	1/1	1.00	0.02	37,37,37,37	0
32	MG	o	202	1/1	1.00	0.04	65,65,65,65	0
32	MG	o	203	1/1	1.00	0.02	57,57,57,57	0
32	MG	o	204	1/1	1.00	0.03	30,30,30,30	0
32	MG	o	205	1/1	1.00	0.03	47,47,47,47	0
32	MG	a	3169	1/1	1.00	0.04	42,42,42,42	0
32	MG	o	207	1/1	1.00	0.02	76,76,76,76	0
32	MG	o	208	1/1	1.00	0.02	85,85,85,85	0
32	MG	o	209	1/1	1.00	0.03	101,101,101,101	0
32	MG	o	210	1/1	1.00	0.02	83,83,83,83	0
32	MG	o	211	1/1	1.00	0.01	61,61,61,61	0
32	MG	o	212	1/1	1.00	0.03	75,75,75,75	0
32	MG	a	3170	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	3171	1/1	1.00	0.03	28,28,28,28	0
32	MG	a	3172	1/1	1.00	0.03	46,46,46,46	0
32	MG	a	3173	1/1	1.00	0.01	37,37,37,37	0
32	MG	a	3174	1/1	1.00	0.01	9,9,9,9	0
32	MG	a	3175	1/1	1.00	0.01	21,21,21,21	0
32	MG	a	3176	1/1	1.00	0.01	3,3,3,3	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3177	1/1	1.00	0.01	23,23,23,23	0
32	MG	a	3178	1/1	1.00	0.01	39,39,39,39	0
32	MG	a	3179	1/1	1.00	0.02	56,56,56,56	0
32	MG	a	3180	1/1	1.00	0.01	43,43,43,43	0
32	MG	A	3377	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3182	1/1	1.00	0.02	60,60,60,60	0
32	MG	a	3183	1/1	1.00	0.02	51,51,51,51	0
32	MG	a	3184	1/1	1.00	0.02	22,22,22,22	0
32	MG	a	3185	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3186	1/1	1.00	0.02	48,48,48,48	0
32	MG	a	3187	1/1	1.00	0.03	18,18,18,18	0
32	MG	a	3188	1/1	1.00	0.01	23,23,23,23	0
32	MG	p	201	1/1	1.00	0.01	22,22,22,22	0
32	MG	p	202	1/1	1.00	0.02	26,26,26,26	0
32	MG	p	203	1/1	1.00	0.03	67,67,67,67	0
32	MG	a	3189	1/1	1.00	0.01	38,38,38,38	0
32	MG	p	205	1/1	1.00	0.01	52,52,52,52	0
32	MG	p	206	1/1	1.00	0.02	51,51,51,51	0
32	MG	p	207	1/1	1.00	0.03	70,70,70,70	0
32	MG	p	208	1/1	1.00	0.01	38,38,38,38	0
32	MG	A	3378	1/1	1.00	0.02	64,64,64,64	0
32	MG	a	3191	1/1	1.00	0.02	38,38,38,38	0
32	MG	a	3192	1/1	1.00	0.02	50,50,50,50	0
32	MG	a	3193	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3194	1/1	1.00	0.01	29,29,29,29	0
32	MG	a	3195	1/1	1.00	0.01	24,24,24,24	0
32	MG	a	3196	1/1	1.00	0.02	26,26,26,26	0
32	MG	a	3197	1/1	1.00	0.03	57,57,57,57	0
32	MG	q	201	1/1	1.00	0.02	14,14,14,14	0
32	MG	q	202	1/1	1.00	0.01	46,46,46,46	0
32	MG	q	203	1/1	1.00	0.01	15,15,15,15	0
32	MG	q	204	1/1	1.00	0.02	73,73,73,73	0
32	MG	q	205	1/1	1.00	0.02	69,69,69,69	0
32	MG	q	206	1/1	1.00	0.01	67,67,67,67	0
32	MG	q	207	1/1	1.00	0.01	67,67,67,67	0
32	MG	a	3198	1/1	1.00	0.04	42,42,42,42	0
32	MG	a	3199	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3200	1/1	1.00	0.04	56,56,56,56	0
32	MG	a	3201	1/1	1.00	0.02	49,49,49,49	0
32	MG	a	3202	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3203	1/1	1.00	0.02	32,32,32,32	0
32	MG	a	3204	1/1	1.00	0.01	27,27,27,27	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3205	1/1	1.00	0.01	27,27,27,27	0
32	MG	q	216	1/1	1.00	0.01	29,29,29,29	0
32	MG	a	3206	1/1	1.00	0.02	34,34,34,34	0
32	MG	a	3207	1/1	1.00	0.01	60,60,60,60	0
32	MG	a	3208	1/1	1.00	0.02	41,41,41,41	0
32	MG	a	3209	1/1	1.00	0.02	32,32,32,32	0
32	MG	a	3210	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	3211	1/1	1.00	0.01	19,19,19,19	0
32	MG	a	3212	1/1	1.00	0.03	32,32,32,32	0
32	MG	a	3213	1/1	1.00	0.02	25,25,25,25	0
32	MG	a	3214	1/1	1.00	0.01	31,31,31,31	0
32	MG	a	3215	1/1	1.00	0.01	25,25,25,25	0
32	MG	q	227	1/1	1.00	0.03	25,25,25,25	0
32	MG	a	3216	1/1	1.00	0.01	37,37,37,37	0
32	MG	a	3217	1/1	1.00	0.06	46,46,46,46	0
32	MG	a	3218	1/1	1.00	0.02	23,23,23,23	0
32	MG	r	201	1/1	1.00	0.03	37,37,37,37	0
32	MG	r	202	1/1	1.00	0.01	55,55,55,55	0
32	MG	a	3219	1/1	1.00	0.01	35,35,35,35	0
32	MG	r	204	1/1	1.00	0.03	61,61,61,61	0
32	MG	r	205	1/1	1.00	0.01	43,43,43,43	0
32	MG	r	206	1/1	1.00	0.03	70,70,70,70	0
32	MG	r	207	1/1	1.00	0.02	70,70,70,70	0
32	MG	r	208	1/1	1.00	0.02	65,65,65,65	0
32	MG	a	3220	1/1	1.00	0.02	26,26,26,26	0
32	MG	r	210	1/1	1.00	0.02	77,77,77,77	0
32	MG	a	3221	1/1	1.00	0.03	22,22,22,22	0
32	MG	a	3222	1/1	1.00	0.01	13,13,13,13	0
32	MG	a	3223	1/1	1.00	0.03	61,61,61,61	0
32	MG	a	3224	1/1	1.00	0.01	68,68,68,68	0
32	MG	a	3225	1/1	1.00	0.01	29,29,29,29	0
32	MG	A	3379	1/1	1.00	0.02	80,80,80,80	0
32	MG	a	3227	1/1	1.00	0.04	50,50,50,50	0
32	MG	r	218	1/1	1.00	0.04	28,28,28,28	0
32	MG	a	3228	1/1	1.00	0.03	36,36,36,36	0
32	MG	a	3229	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3230	1/1	1.00	0.02	59,59,59,59	0
32	MG	a	3231	1/1	1.00	0.02	75,75,75,75	0
32	MG	a	3232	1/1	1.00	0.01	43,43,43,43	0
32	MG	a	3233	1/1	1.00	0.02	55,55,55,55	0
32	MG	a	3234	1/1	1.00	0.01	65,65,65,65	0
32	MG	A	3380	1/1	1.00	0.02	56,56,56,56	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	a	3236	1/1	1.00	0.02	35,35,35,35	0
32	MG	a	3237	1/1	1.00	0.06	49,49,49,49	0
32	MG	s	101	1/1	1.00	0.01	38,38,38,38	0
32	MG	s	102	1/1	1.00	0.02	36,36,36,36	0
32	MG	s	103	1/1	1.00	0.06	75,75,75,75	0
32	MG	A	3960	1/1	1.00	0.04	2,2,2,2	0
32	MG	a	3239	1/1	1.00	0.02	48,48,48,48	0
32	MG	a	3240	1/1	1.00	0.03	40,40,40,40	0
32	MG	a	3241	1/1	1.00	0.01	48,48,48,48	0
32	MG	A	3381	1/1	1.00	0.01	51,51,51,51	0
32	MG	a	3243	1/1	1.00	0.02	47,47,47,47	0
32	MG	a	3244	1/1	1.00	0.02	68,68,68,68	0
32	MG	t	502	1/1	1.00	0.01	57,57,57,57	0
32	MG	t	503	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3245	1/1	1.00	0.03	33,33,33,33	0
32	MG	a	3246	1/1	1.00	0.02	44,44,44,44	0
32	MG	u	301	1/1	1.00	0.01	38,38,38,38	0
32	MG	u	302	1/1	1.00	0.01	41,41,41,41	0
32	MG	u	303	1/1	1.00	0.01	45,45,45,45	0
32	MG	u	304	1/1	1.00	0.01	64,64,64,64	0
32	MG	u	305	1/1	1.00	0.02	89,89,89,89	0
32	MG	u	306	1/1	1.00	0.02	46,46,46,46	0
32	MG	u	307	1/1	1.00	0.01	40,40,40,40	0
32	MG	u	308	1/1	1.00	0.01	54,54,54,54	0
32	MG	u	309	1/1	1.00	0.01	75,75,75,75	0
32	MG	u	310	1/1	1.00	0.01	75,75,75,75	0
32	MG	u	311	1/1	1.00	0.01	72,72,72,72	0
32	MG	u	312	1/1	1.00	0.02	70,70,70,70	0
32	MG	u	313	1/1	1.00	0.02	73,73,73,73	0
32	MG	u	314	1/1	1.00	0.02	78,78,78,78	0
32	MG	u	315	1/1	1.00	0.02	79,79,79,79	0
32	MG	A	3046	1/1	1.00	0.03	33,33,33,33	0
32	MG	a	3248	1/1	1.00	0.03	65,65,65,65	0
32	MG	a	3249	1/1	1.00	0.02	50,50,50,50	0
32	MG	u	319	1/1	1.00	0.02	3,3,3,3	0
32	MG	a	3250	1/1	1.00	0.03	49,49,49,49	0
32	MG	a	3251	1/1	1.00	0.01	60,60,60,60	0
32	MG	a	3252	1/1	1.00	0.01	61,61,61,61	0
32	MG	a	3253	1/1	1.00	0.03	63,63,63,63	0
32	MG	a	3254	1/1	1.00	0.02	118,118,118,118	0
32	MG	a	3255	1/1	1.00	0.03	47,47,47,47	0
32	MG	v	101	1/1	1.00	0.02	26,26,26,26	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	v	102	1/1	1.00	0.03	63,63,63,63	0
32	MG	v	103	1/1	1.00	0.02	80,80,80,80	0
32	MG	v	104	1/1	1.00	0.01	59,59,59,59	0
32	MG	v	105	1/1	1.00	0.03	71,71,71,71	0
32	MG	v	106	1/1	1.00	0.03	17,17,17,17	0
32	MG	a	3256	1/1	1.00	0.02	59,59,59,59	0
32	MG	v	108	1/1	1.00	0.02	30,30,30,30	0
32	MG	a	3257	1/1	1.00	0.03	54,54,54,54	0
32	MG	a	3258	1/1	1.00	0.01	34,34,34,34	0
32	MG	a	3259	1/1	1.00	0.03	58,58,58,58	0
32	MG	w	101	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3260	1/1	1.00	0.01	24,24,24,24	0
32	MG	w	103	1/1	1.00	0.02	70,70,70,70	0
32	MG	w	104	1/1	1.00	0.02	60,60,60,60	0
32	MG	w	105	1/1	1.00	0.02	1,1,1,1	0
32	MG	a	3261	1/1	1.00	0.02	69,69,69,69	0
32	MG	a	3262	1/1	1.00	0.02	46,46,46,46	0
32	MG	a	3263	1/1	1.00	0.02	42,42,42,42	0
32	MG	A	3383	1/1	1.00	0.01	50,50,50,50	0
32	MG	a	3265	1/1	1.00	0.01	46,46,46,46	0
32	MG	x	101	1/1	1.00	0.01	64,64,64,64	0
32	MG	x	102	1/1	1.00	0.02	57,57,57,57	0
32	MG	x	103	1/1	1.00	0.01	58,58,58,58	0
32	MG	x	104	1/1	1.00	0.01	44,44,44,44	0
32	MG	a	3266	1/1	1.00	0.01	62,62,62,62	0
32	MG	x	106	1/1	1.00	0.03	62,62,62,62	0
32	MG	a	3267	1/1	1.00	0.05	32,32,32,32	0
32	MG	a	3268	1/1	1.00	0.01	33,33,33,33	0
32	MG	a	3269	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3270	1/1	1.00	0.02	58,58,58,58	0
32	MG	a	3271	1/1	1.00	0.02	60,60,60,60	0
32	MG	y	601	1/1	1.00	0.02	56,56,56,56	0
32	MG	y	602	1/1	1.00	0.02	40,40,40,40	0
32	MG	y	603	1/1	1.00	0.03	75,75,75,75	0
32	MG	y	604	1/1	1.00	0.02	18,18,18,18	0
32	MG	y	605	1/1	1.00	0.03	8,8,8,8	0
32	MG	a	3272	1/1	1.00	0.03	78,78,78,78	0
32	MG	a	3273	1/1	1.00	0.02	49,49,49,49	0
32	MG	A	3384	1/1	1.00	0.01	88,88,88,88	0
32	MG	A	3385	1/1	1.00	0.02	40,40,40,40	0
32	MG	A	3386	1/1	1.00	0.06	60,60,60,60	0
32	MG	a	3277	1/1	1.00	0.02	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	MG	A	3387	1/1	1.00	0.01	54,54,54,54	0
32	MG	a	3279	1/1	1.00	0.03	56,56,56,56	0
32	MG	a	3280	1/1	1.00	0.02	66,66,66,66	0
32	MG	a	3281	1/1	1.00	0.06	41,41,41,41	0
32	MG	a	3282	1/1	1.00	0.02	90,90,90,90	0
32	MG	A	3388	1/1	1.00	0.02	57,57,57,57	0
32	MG	a	3284	1/1	1.00	0.02	62,62,62,62	0
32	MG	a	3285	1/1	1.00	0.03	45,45,45,45	0
32	MG	a	3286	1/1	1.00	0.02	52,52,52,52	0
32	MG	6	502	1/1	1.00	0.01	58,58,58,58	0
32	MG	6	503	1/1	1.00	0.03	49,49,49,49	0
32	MG	6	504	1/1	1.00	0.04	95,95,95,95	0
32	MG	6	505	1/1	1.00	0.03	8,8,8,8	0
32	MG	6	506	1/1	1.00	0.01	32,32,32,32	0
32	MG	a	3287	1/1	1.00	0.02	46,46,46,46	0
32	MG	7	101	1/1	1.00	0.01	40,40,40,40	0
32	MG	7	102	1/1	1.00	0.02	51,51,51,51	0
32	MG	7	103	1/1	1.00	0.04	85,85,85,85	0
32	MG	a	3288	1/1	1.00	0.02	50,50,50,50	0
32	MG	a	3289	1/1	1.00	0.02	55,55,55,55	0
32	MG	a	3290	1/1	1.00	0.02	54,54,54,54	0
32	MG	a	3291	1/1	1.00	0.04	51,51,51,51	0
32	MG	8	101	1/1	1.00	0.02	42,42,42,42	0
32	MG	8	102	1/1	1.00	0.02	53,53,53,53	0
32	MG	8	103	1/1	1.00	0.03	84,84,84,84	0
32	MG	a	3292	1/1	1.00	0.02	46,46,46,46	0
32	MG	8	105	1/1	1.00	0.03	21,21,21,21	0
32	MG	A	3389	1/1	1.00	0.03	83,83,83,83	0
32	MG	a	3294	1/1	1.00	0.03	36,36,36,36	0
32	MG	a	3295	1/1	1.00	0.02	53,53,53,53	0
32	MG	8	109	1/1	1.00	0.03	27,27,27,27	0
32	MG	a	3296	1/1	1.00	0.02	42,42,42,42	0
32	MG	a	3297	1/1	1.00	0.01	31,31,31,31	0
32	MG	a	3298	1/1	1.00	0.01	50,50,50,50	0
32	MG	9	102	1/1	1.00	0.02	64,64,64,64	0
32	MG	a	3299	1/1	1.00	0.02	65,65,65,65	0
32	MG	A	3970	1/1	1.00	0.03	0,0,0,0	0
33	ZN	T	501	1/1	1.00	0.02	54,54,54,54	0
32	MG	A	3390	1/1	1.00	0.01	44,44,44,44	0
33	ZN	0	108	1/1	1.00	0.01	67,67,67,67	0
33	ZN	13	103	1/1	1.00	0.00	7,7,7,7	0
33	ZN	4	101	1/1	1.00	0.01	31,31,31,31	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
33	ZN	t	501	1/1	1.00	0.01	163,163,163,163	0
32	MG	a	3302	1/1	1.00	0.01	45,45,45,45	0
33	ZN	5	101	1/1	1.00	0.01	33,33,33,33	0
32	MG	A	3391	1/1	1.00	0.04	67,67,67,67	0
33	ZN	9	101	1/1	1.00	0.03	86,86,86,86	0

6.5 Other polymers [i](#)

There are no such residues in this entry.