



wwPDB X-ray Structure Validation Summary Report ⓘ

Oct 23, 2024 – 01:39 AM EDT

PDB ID : 4V9Q
Title : Crystal Structure of Blasticidin S Bound to Thermus Thermophilus 70S Ribosome.
Authors : Svidritskiy, E.; Ling, C.; Ermolenko, D.N.; Korostelev, A.A.
Deposited on : 2013-06-12
Resolution : 3.40 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	:	4.02b-467
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	1.20.1
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.003 (Gargrove)
Density-Fitness	:	1.0.11
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.39

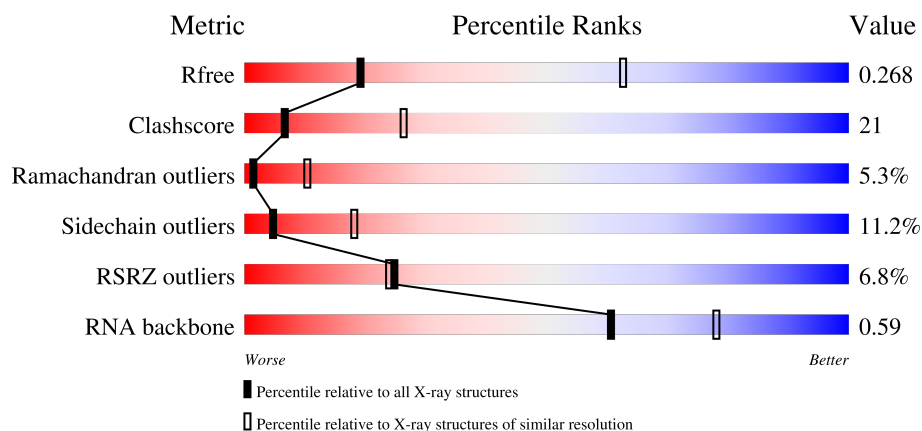
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.40 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	164625	1140 (3.46-3.34)
Clashscore	180529	1172 (3.46-3.34)
Ramachandran outliers	177936	1172 (3.46-3.34)
Sidechain outliers	177891	1172 (3.46-3.34)
RSRZ outliers	164620	1140 (3.46-3.34)
RNA backbone	3690	1033 (3.80-3.00)

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	AA	2879	<div> <div>2%</div> <div> <div></div> <div>50%</div> <div>39%</div> <div>10%</div> </div> </div>
1	CA	2879	<div> <div>3%</div> <div> <div></div> <div>50%</div> <div>39%</div> <div>10%</div> </div> </div>
2	AB	119	<div> <div>4%</div> <div> <div></div> <div>55%</div> <div>39%</div> <div>6%</div> </div> </div>
2	CB	119	<div> <div>3%</div> <div> <div></div> <div>52%</div> <div>42%</div> <div>6%</div> </div> </div>

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Mol	Chain	Length	Quality of chain
3	AD	271	
3	CD	271	
4	AE	204	
4	CE	204	
5	AF	202	
5	CF	202	
6	AG	181	
6	CG	181	
7	AH	159	
7	CH	159	
8	AI	145	
8	CI	145	
9	AJ	137	
9	CJ	137	
10	AK	122	
10	CK	122	
11	AL	146	
11	CL	146	
12	AM	134	
12	CM	134	
13	AN	117	
13	CN	117	
14	AO	98	
14	CO	98	
15	AP	137	

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Mol	Chain	Length	Quality of chain
15	CP	137	
16	AQ	117	
16	CQ	117	
17	AR	101	
17	CR	101	
18	AS	112	
18	CS	112	
19	AT	92	
19	CT	92	
20	AU	100	
20	CU	100	
21	AV	187	
21	CV	187	
22	AW	76	
22	CW	76	
23	AX	88	
23	CX	88	
24	AY	62	
24	CY	62	
25	AZ	59	
25	CZ	59	
26	A1	30	
26	C1	30	
27	A2	52	
27	C2	52	

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Mol	Chain	Length	Quality of chain
28	A3	44	
28	C3	44	
29	A4	48	
29	C4	48	
30	A5	63	
30	C5	63	
31	BA	1504	
31	DA	1504	
32	BB	234	
32	DB	234	
33	BC	206	
33	DC	206	
34	BD	208	
34	DD	208	
35	BE	151	
35	DE	151	
36	BF	101	
36	DF	101	
37	BG	155	
37	DG	155	
38	BH	138	
38	DH	138	
39	BI	127	
39	DI	127	
40	BJ	98	

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Mol	Chain	Length	Quality of chain
40	DJ	98	
41	BK	114	
41	DK	114	
42	BL	122	
42	DL	122	
43	BM	117	
43	DM	117	
44	BN	60	
44	DN	60	
45	BO	88	
45	DO	88	
46	BP	83	
46	DP	83	
47	BQ	99	
47	DQ	99	
48	BR	70	
48	DR	70	
49	BS	78	
49	DS	78	
50	BT	99	
50	DT	99	
51	BU	24	
51	DU	24	
52	BV	77	
52	BW	77	

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Mol	Chain	Length	Quality of chain
52	DV	77	
52	DW	77	
53	BX	5	
53	DX	5	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
55	MG	AA	4120	-	-	-	X
55	MG	AA	4541	-	-	-	X
55	MG	AA	4719	-	-	-	X
55	MG	BA	1615	-	-	-	X
55	MG	BA	1867	-	-	-	X
55	MG	C4	102	-	-	-	X
55	MG	CA	2946	-	-	-	X
55	MG	CA	2951	-	-	-	X
55	MG	CA	3783	-	-	-	X
55	MG	CA	4233	-	-	-	X
55	MG	DA	1638	-	-	-	X
55	MG	DA	1898	-	-	-	X

2 Entry composition

There are 56 unique types of molecules in this entry. The entry contains 293113 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AA	2832	Total	C	N	O	P	0	0	0
			60991	27143	11396	19620	2832			
1	CA	2832	Total	C	N	O	P	0	0	0
			60991	27143	11396	19620	2832			

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AA	276	C	A	conflict	GB AE017221.1
AA	277	A	C	conflict	GB AE017221.1
AA	1142	U	C	conflict	GB AE017221.1
AA	2825	U	G	conflict	GB AE017221.1
CA	276	C	A	conflict	GB AE017221.1
CA	277	A	C	conflict	GB AE017221.1
CA	1142	U	C	conflict	GB AE017221.1
CA	2825	U	G	conflict	GB AE017221.1

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	AB	119	Total	C	N	O	P	0	0	0
			2555	1136	471	829	119			
2	CB	119	Total	C	N	O	P	0	0	0
			2555	1136	471	829	119			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	AD	271	Total	C	N	O	S	0	0	0
			2105	1329	416	357	3			
3	CD	271	Total	C	N	O	S	0	0	0
			2105	1329	416	357	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	AE	204	Total	C	N	O	S	0	0	0
			1564	988	299	271	6			
4	CE	204	Total	C	N	O	S	0	0	0
			1564	988	299	271	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AF	202	Total	C	N	O	S	0	0	0
			1587	1011	297	276	3			
5	CF	202	Total	C	N	O	S	0	0	0
			1587	1011	297	276	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	AG	181	Total	C	N	O	S	0	0	0
			1475	943	268	260	4			
6	CG	181	Total	C	N	O	S	0	0	0
			1475	943	268	260	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	AH	159	Total	C	N	O	S	0	0	0
			1223	773	228	221	1			
7	CH	159	Total	C	N	O	S	0	0	0
			1223	773	228	221	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AI	145	Total	C	N	O	S	0	0	0
			1133	724	200	208	1			
8	CI	145	Total	C	N	O	S	0	0	0
			1133	724	200	208	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	AJ	137	Total	C	N	O	S	0	0	0
			1097	707	205	182	3			
9	CJ	137	Total	C	N	O	S	0	0	0
			1097	707	205	182	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	AK	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			
10	CK	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	AL	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			
11	CL	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	AM	134	Total	C	N	O	S	0	0	0
			1065	680	201	179	5			
12	CM	134	Total	C	N	O	S	0	0	0
			1065	680	201	179	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	AN	117	Total	C	N	O		0	0	0
			960	599	202	159				
13	CN	117	Total	C	N	O		0	0	0
			960	599	202	159				

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	AO	98	Total	C	N	O		0	0	0
			771	486	154	131				

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	CO	98	Total	C	N	O	0	0	0
			771	486	154	131			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	AP	137	Total	C	N	O	S	0	0	0
			1144	713	234	196	1			
15	CP	137	Total	C	N	O	S	0	0	0
			1144	713	234	196	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	AQ	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
16	CQ	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	AR	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
17	CR	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	AS	112	Total	C	N	O	S	0	0	0
			891	560	175	154	2			
18	CS	112	Total	C	N	O	S	0	0	0
			891	560	175	154	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
19	AT	92	Total	C	N	O	0	0	0
			726	471	131	124			
19	CT	92	Total	C	N	O	0	0	0
			726	471	131	124			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	AU	100	Total	C	N	O	S	0	0	0
			776	500	148	124	4			
20	CU	100	Total	C	N	O	S	0	0	0
			776	500	148	124	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	AV	187	Total	C	N	O	S	0	0	0
			1483	945	264	272	2			
21	CV	187	Total	C	N	O	S	0	0	0
			1483	945	264	272	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	AW	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			
22	CW	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
23	AX	88	Total	C	N	O	0	0	0
			695	435	141	119			
23	CX	88	Total	C	N	O	0	0	0
			695	435	141	119			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	AY	62	Total	C	N	O	S	0	0	0
			521	325	102	92	2			
24	CY	62	Total	C	N	O	S	0	0	0
			521	325	102	92	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	AZ	59	Total	C	N	O	S	0	0	0
			468	298	90	79	1			
25	CZ	59	Total	C	N	O	S	0	0	0
			468	298	90	79	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	A1	30	Total	C	N	O	S	0	0	0
			226	142	36	44	4			
26	C1	30	Total	C	N	O	S	0	0	0
			226	142	36	44	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	A2	52	Total	C	N	O	S	0	0	0
			405	255	79	66	5			
27	C2	52	Total	C	N	O	S	0	0	0
			405	255	79	66	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	A3	44	Total	C	N	O	S	0	0	0
			381	235	77	65	4			
28	C3	44	Total	C	N	O	S	0	0	0
			381	235	77	65	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	A4	48	Total	C	N	O	S	0	0	0
			419	257	104	56	2			
29	C4	48	Total	C	N	O	S	0	0	0
			419	257	104	56	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	A5	63	Total	C	N	O	S	0	0	0
			508	326	101	79	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	C5	63	Total	C	N	O	S	0	0	0
			508	326	101	79	2			

- Molecule 31 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	BA	1504	Total	C	N	O	P	0	0	0
			32336	14391	5994	10447	1504			
31	DA	1504	Total	C	N	O	P	0	0	0
			32336	14391	5994	10447	1504			

- Molecule 32 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	BB	234	Total	C	N	O	S	0	0	0
			1901	1213	341	342	5			
32	DB	234	Total	C	N	O	S	0	0	0
			1901	1213	341	342	5			

- Molecule 33 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	BC	206	Total	C	N	O	S	0	0	0
			1613	1016	314	282	1			
33	DC	206	Total	C	N	O	S	0	0	0
			1613	1016	314	282	1			

- Molecule 34 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	BD	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			
34	DD	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			

- Molecule 35 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	BE	151	Total	C	N	O	S	0	0	0
			1156	729	218	205	4			
35	DE	151	Total	C	N	O	S	0	0	0
			1156	729	218	205	4			

- Molecule 36 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	BF	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			
36	DF	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			

- Molecule 37 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	BG	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			
37	DG	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			

- Molecule 38 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	BH	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			
38	DH	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			

- Molecule 39 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	BI	127	Total	C	N	O	0	0	0
			1011	639	198	174			
39	DI	127	Total	C	N	O	0	0	0
			1011	639	198	174			

- Molecule 40 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	BJ	98	Total	C	N	O	S	0	0	0
			795	499	156	139	1			
40	DJ	98	Total	C	N	O	S	0	0	0
			795	499	156	139	1			

- Molecule 41 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	BK	114	Total	C	N	O	S	0	0	0
			843	522	159	159	3			
41	DK	114	Total	C	N	O	S	0	0	0
			843	522	159	159	3			

- Molecule 42 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	BL	122	Total	C	N	O	S	0	0	0
			957	603	193	160	1			
42	DL	122	Total	C	N	O	S	0	0	0
			957	603	193	160	1			

- Molecule 43 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	BM	117	Total	C	N	O	S	0	0	0
			934	577	192	163	2			
43	DM	117	Total	C	N	O	S	0	0	0
			934	577	192	163	2			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BM	118	ALA	-	expression tag	UNP P62655

- Molecule 44 is a protein called 30S ribosomal protein S14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	BN	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
44	DN	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 45 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	BO	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			
45	DO	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			

- Molecule 46 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	BP	83	Total	C	N	O	S	0	0	0
			701	443	139	118	1			
46	DP	83	Total	C	N	O	S	0	0	0
			701	443	139	118	1			

- Molecule 47 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	BQ	99	Total	C	N	O	S	0	0	0
			824	528	152	142	2			
47	DQ	99	Total	C	N	O	S	0	0	0
			824	528	152	142	2			

- Molecule 48 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
48	BR	70	Total	C	N	O	0	0	0
			574	367	112	95			
48	DR	70	Total	C	N	O	0	0	0
			574	367	112	95			

- Molecule 49 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	BS	78	Total	C	N	O	S	0	0	0
			630	403	114	111	2			
49	DS	78	Total	C	N	O	S	0	0	0
			630	403	114	111	2			

- Molecule 50 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	BT	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			
50	DT	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	BU	24	Total	C	N	O	0	0	0
			209	128	50	31			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	DU	24	Total	C	N	O	0	0	0
			209	128	50	31			

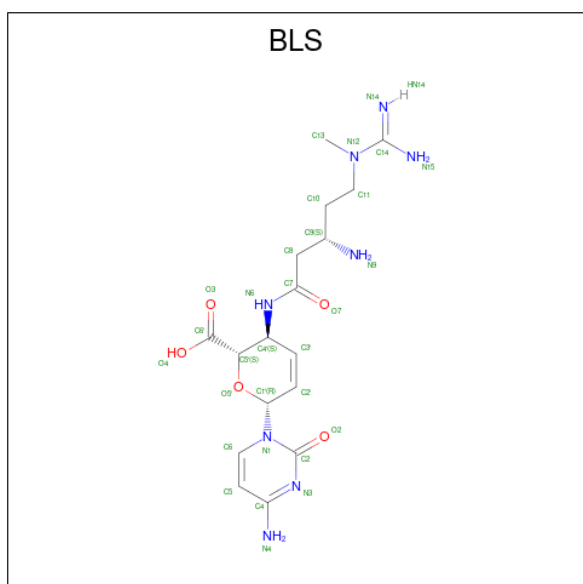
- Molecule 52 is a RNA chain called tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	BV	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
52	BW	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
52	DV	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
52	DW	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			

- Molecule 53 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	BX	5	Total	C	N	O	P	0	0	0
			109	49	22	33	5			
53	DX	5	Total	C	N	O	P	0	0	0
			109	49	22	33	5			

- Molecule 54 is BLASTICIDIN S (three-letter code: BLS) (formula: C₁₇H₂₆N₈O₅).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
54	AA	1	Total	C	N	O	0	0
			30	17	8	5		
54	CA	1	Total	C	N	O	0	0
			30	17	8	5		

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	AA	1296	Total	Mg	0	0
			1296	1296		
55	AB	50	Total	Mg	0	0
			50	50		
55	AD	4	Total	Mg	0	0
			4	4		
55	AE	4	Total	Mg	0	0
			4	4		
55	AF	6	Total	Mg	0	0
			6	6		
55	AG	2	Total	Mg	0	0
			2	2		
55	AJ	1	Total	Mg	0	0
			1	1		
55	AK	2	Total	Mg	0	0
			2	2		
55	AL	2	Total	Mg	0	0
			2	2		
55	AM	3	Total	Mg	0	0
			3	3		
55	AN	4	Total	Mg	0	0
			4	4		
55	AO	1	Total	Mg	0	0
			1	1		
55	AP	2	Total	Mg	0	0
			2	2		
55	AR	5	Total	Mg	0	0
			5	5		
55	AS	6	Total	Mg	0	0
			6	6		
55	AV	2	Total	Mg	0	0
			2	2		
55	AX	6	Total	Mg	0	0
			6	6		
55	AY	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	A3	3	Total 3	Mg 3	0	0
55	A4	5	Total 5	Mg 5	0	0
55	A5	2	Total 2	Mg 2	0	0
55	BA	570	Total 570	Mg 570	0	0
55	BB	2	Total 2	Mg 2	0	0
55	BC	3	Total 3	Mg 3	0	0
55	BE	5	Total 5	Mg 5	0	0
55	BG	2	Total 2	Mg 2	0	0
55	BH	1	Total 1	Mg 1	0	0
55	BI	2	Total 2	Mg 2	0	0
55	BL	2	Total 2	Mg 2	0	0
55	BO	1	Total 1	Mg 1	0	0
55	BP	1	Total 1	Mg 1	0	0
55	BQ	2	Total 2	Mg 2	0	0
55	BR	1	Total 1	Mg 1	0	0
55	BT	1	Total 1	Mg 1	0	0
55	BU	1	Total 1	Mg 1	0	0
55	BV	30	Total 30	Mg 30	0	0
55	BW	19	Total 19	Mg 19	0	0
55	CA	1504	Total 1504	Mg 1504	0	0
55	CB	65	Total 65	Mg 65	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	CD	6	Total 6	Mg 6	0	0
55	CE	6	Total 6	Mg 6	0	0
55	CF	7	Total 7	Mg 7	0	0
55	CG	1	Total 1	Mg 1	0	0
55	CI	1	Total 1	Mg 1	0	0
55	CJ	2	Total 2	Mg 2	0	0
55	CK	2	Total 2	Mg 2	0	0
55	CL	7	Total 7	Mg 7	0	0
55	CN	3	Total 3	Mg 3	0	0
55	CO	1	Total 1	Mg 1	0	0
55	CP	1	Total 1	Mg 1	0	0
55	CQ	5	Total 5	Mg 5	0	0
55	CR	2	Total 2	Mg 2	0	0
55	CS	4	Total 4	Mg 4	0	0
55	CT	1	Total 1	Mg 1	0	0
55	CV	4	Total 4	Mg 4	0	0
55	CW	4	Total 4	Mg 4	0	0
55	CX	3	Total 3	Mg 3	0	0
55	CY	2	Total 2	Mg 2	0	0
55	C2	2	Total 2	Mg 2	0	0
55	C3	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	C4	4	Total 4	Mg 4	0	0
55	C5	3	Total 3	Mg 3	0	0
55	DA	604	Total 604	Mg 604	0	0
55	DD	2	Total 2	Mg 2	0	0
55	DE	2	Total 2	Mg 2	0	0
55	DG	1	Total 1	Mg 1	0	0
55	DH	3	Total 3	Mg 3	0	0
55	DI	1	Total 1	Mg 1	0	0
55	DJ	1	Total 1	Mg 1	0	0
55	DK	1	Total 1	Mg 1	0	0
55	DL	2	Total 2	Mg 2	0	0
55	DM	1	Total 1	Mg 1	0	0
55	DO	2	Total 2	Mg 2	0	0
55	DQ	1	Total 1	Mg 1	0	0
55	DR	2	Total 2	Mg 2	0	0
55	DT	1	Total 1	Mg 1	0	0
55	DV	24	Total 24	Mg 24	0	0
55	DW	22	Total 22	Mg 22	0	0
55	DX	1	Total 1	Mg 1	0	0

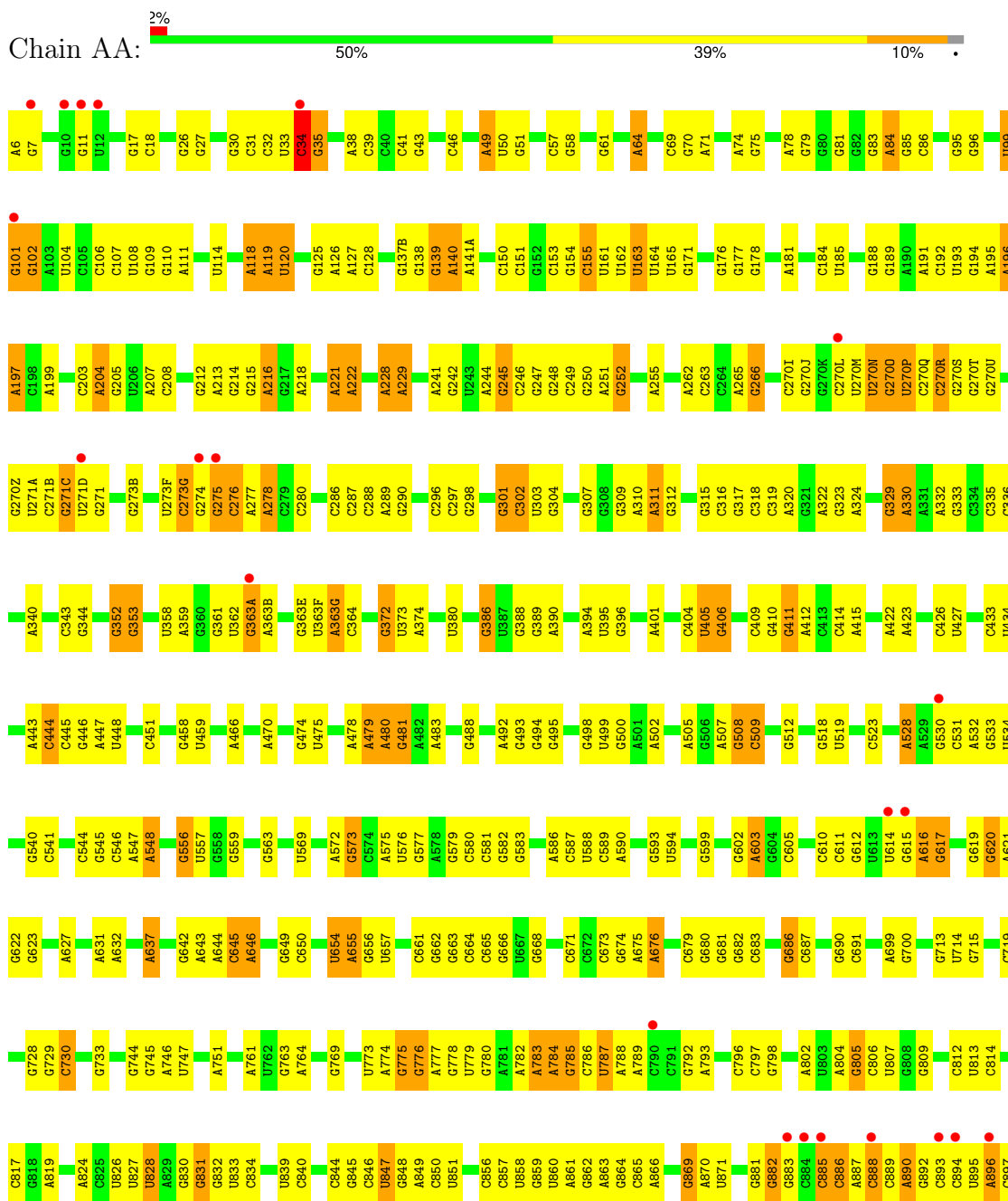
- Molecule 56 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	BD	1	Total 1	Zn 1	0	0
56	BN	1	Total 1	Zn 1	0	0
56	DD	1	Total 1	Zn 1	0	0
56	DN	1	Total 1	Zn 1	0	0

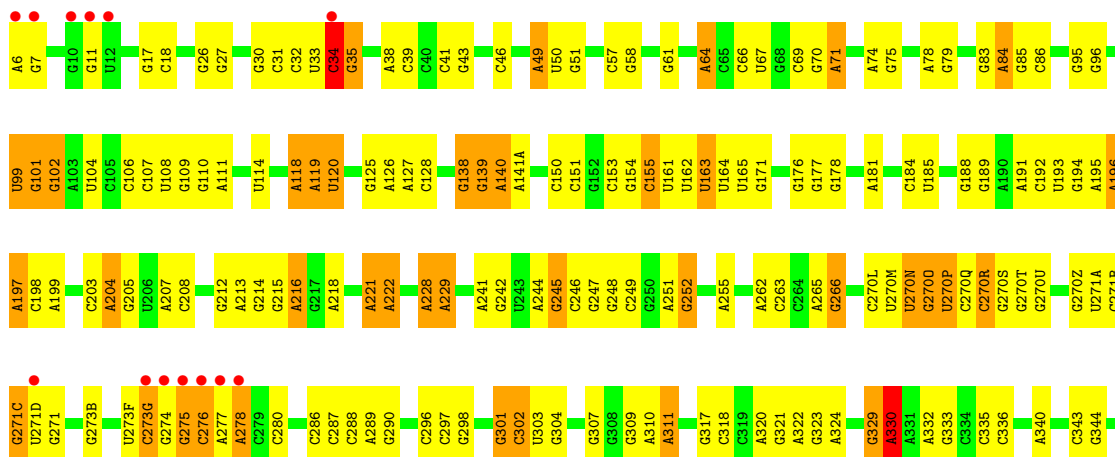
3 Residue-property plots

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 ribosomal RNA

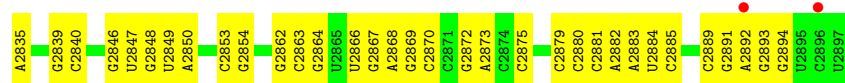


C2063	G1973	A1884	A1773	G1674	C1577	A1494	C1408	C1314	U1205	G1125	G	C908
U2068	C1974	G1888	G1776	C1675	U1578	A1495	C1409	A1317	G1206	A1126	U	A909
G2069	G1980	A1889	A1777	A1676	A1496	U1497	G1410	A1318	A1210	A1127	U	A910
G2070	A1981	C1782	C1782	G1678	U1579	C1498	A1411	U1323	U1211	A1128	G	A911
U2074	C1982	A1890	C1786	U1679	A1580	C1499	A1412	U1327	C1217	A1129	C	C914
U2075	G1989	A1786	A1787	U1680	C1582	G1500	G1413	G1328	C1218	U1130	U	C915
C2078	A1900	C1788	C1788	A1681	A1583	C1504	U1415	G1329	C1219	C1135	A	G916
U2079	A1901	A1789	A1789	C1686	A1586	C1505	C1417	U1330	A1220	G1136	G	A917
G2080	C1902	C1790	C1790	U1687	C1587	C1506	G1418	G1331	C1221	A996	A	A918
U2086	G1903	A1791	A1791	U1688	C1588	A1508	U1419	A1332	C1222	G1139	A	G919
G2087	A1906	U1794	U1794	A1689	C1589	A1509	U1420	U1335	G1227	C1140	A	C924
G2088	C1996	C1795	C1795	U1693	G1591	A1510	G1421	A1336	G1227	U1141	C	C925
G2090	G1997	U1796	U1796	C1694	C1592	G1512	A1427	A1337	C1230	U1142	A	A926
U2096	C1999	C1797	C1797	A1698	G1593	C1513	C1428	G1337	G1231	A1143	G	G928
G2093	G2000	U1798	U1798	G1698	G1594	U1514	A1434	G1344	G1232	C1144	C	G929
A2001	A1915	G1799	G1799	G1703	G1595	U1515	A1435	C1345	C1233	C1145	A	U930
G2094	U1917	C1800	C1800	G1704	U1516	U1516	C1437	G1348	U1234	G1149	U	G931
C2095	A1918	G1801	G1801	G1705	C1517	G1517	U1438	A1349	C1235	C1150	C	G932
U2097	C1920	U1805	U1805	U1706	A1603	C1518	A1439	U1352	G1236	C1153	U	A933
G2110	G1921	G1811	G1811	U1709	C1607	G1521	G1443	U1356	A1241	G1154	U	G938
A2014	C1922	A1812	A1812	C1710	A1608	U1523	G1444	G1357	A1242	A1155	A	A941
A2015	U1925	G1816	G1816	U1716	A1609	G1524	A1448	U1371	G1252	G1162	A	G942
U2017	U1926	G1817	G1817	U1726	A1610	G1525	C1445	G1374	A1272	G1163	A	U943
G2018	G1929	G1824	G1824	G1727	A1614	A1529	A1448	A1379	A1273	G1164	G	G944
A2019	U1930	A1825	A1825	G1728	C1615	G1532	A1455	G1380	A1274	G1165	A	A945
U2022	U1931	C1830	C1830	U1729	A1616	C1532	G1456	A1384	A1275	U1166	G	G946
G2023	A1932	A1831	A1831	U1730	C1617	U1535	G1459	A1385	G1278	U1167	U	G947
A2119	G1933	C1832	C1832	G1731	A1618	A1536	A1460	A1367	G1279	G1168	C	G948
G2029	U1936	U1837	U1837	C1742	U1639	C1537	G1461	A1373	C1270	G1170	G	G952
A2030	A1937	C1837	C1837	G1743	A1641	G1538	C1464	G1374	G1271	G1171	U	A953
G2032	U1939	U1840	U1840	G1746	G1642	U1540	G1465	A1379	A1272	G1173	A	G954
A2033	U1940	C1843	C1843	G1747	C1646	G1542	G1466	G1389	A1274	U1175	U	G955
C2036	U1946	C1844	C1844	G1748	C1648	A1544	G1467	U1390	A1275	G1176	A	G956
G2037	U1951	U1847	U1847	A1749	A1652	A1545	G1470	A1394	A1278	A1177	G	A957
C2038	A1952	C1853	C1853	C1754	G1653	A1546	A1471	A1395	G1279	C1178	U1101	A959
U2041	A1953	A1854	A1854	G1756	C1654	C1548	A1472	U1396	A1287	C1179	C1102	A960
C2043	U1955	C1857	C1857	C1757	A1655	C1547	A1477	C1399	U1288	C1180	A1103	C961
G2046	C1961	U1854	U1854	C1761	C1656	A1554	G1478	C1291	C1291	C1181	C1104	G962
C2050	C1962	G1858	G1858	A1762	C1657	A1555	G1483	U1292	C1293	C1182	A1105	U963
A2051	U1963	A1859	A1859	G1763	U1658	C1557	G1484	C1297	C1297	C1183	U1106	C964
C2055	C1967	U1864	U1864	C1765	A1659	G1559	G1485	C1399	C1298	C1184	G1107	G965
G2056	U1968	A1871	A1871	C1767	A1666	A1566	G1487	C1404	C1299	C1185	U1108	C966
A2060	A1969	G1878	G1878	U1768	A1667	A1567	G1488	U1405	U1300	C1186	C1109	C967
G2061	U1971	C1877	C1877	C1771	A1668	A1568	A1490	U1406	G1309	C1187	C1110	G968
A2062	A1972	C1879	C1879	G1772	C1670	A1569	C1493	C1407	G1309	U1188	A1111	U969
G2110	G2110	G2110	G2110	G2110	G2110	G2110	G2110	G2110	G2110	G2110	C1052	C970
C2111	C2111	C2111	C2111	C2111	C2111	C2111	C2111	C2111	C2111	C2111	A	A973
G2112	G2112	G2112	G2112	G2112	G2112	G2112	G2112	G2112	G2112	G2112	C	G974
A2114	A2114	A2114	A2114	A2114	A2114	A2114	A2114	A2114	A2114	A2114	G	C974A
G2115	G2115	G2115	G2115	G2115	G2115	G2115	G2115	G2115	G2115	G2115	G	C974B
C2116	C2116	C2116	C2116	C2116	C2116	C2116	C2116	C2116	C2116	C2116	A	G975
A2117	A2117	A2117	A2117	A2117	A2117	A2117	A2117	A2117	A2117	A2117	G	G975
G2118	G2118	G2118	G2118	G2118	G2118	G2118	G2118	G2118	G2118	G2118	G	G979
A2119	A2119	A2119	A2119	A2119	A2119	A2119	A2119	A2119	A2119	A2119	G	G979
G2120	G2120	G2120	G2120	G2120	G2120	G2120	G2120	G2120	G2120	G2120	G	G979
C2123	C2123	C2123	C2123	C2123	C2123	C2123	C2123	C2123	C2123	C2123	G	G979
G2124	G2124	G2124	G2124	G2124	G2124	G2124	G2124	G2124	G2124	G2124	G	G979
C2125	C2125	C2125	C2125	C2125	C2125	C2125	C2125	C2125	C2125	C2125	G	G979
A2126	A2126	A2126	A2126	A2126	A2126	A2126	A2126	A2126	A2126	A2126	G	G979
G2128	G2128	G2128	G2128	G2128	G2128	G2128	G2128	G2128	G2128	G2128	G	G979
C2129	C2129	C2129	C2129	C2129	C2129	C2129	C2129	C2129	C2129	C2129	G	G979
U2130	U2130	U2130	U2130	U2130	U2130	U2130	U2130	U2130	U2130	U2130	G	G979
G2131	G2131	G2131	G2131	G2131	G2131	G2131	G2131	G2131	G2131	G2131	G	G979
U2132	U2132	U2132	U2132	U2132	U2132	U2132	U2132	U2132	U2132	U2132	G	G979
C2133	C2133	C2133	C2133	C2133	C2133	C2133	C2133	C2133	C2133	C2133	G	G979
A2134	A2134	A2134	A2134	A2134	A2134	A2134	A2134	A2134	A2134	A2134	G	G979
G2135	G2135	G2135	G2135	G2135	G2135	G2135	G2135	G2135	G2135	G2135	G	G979
C2136	C2136	C2136	C2136	C2136	C2136	C2136	C2136	C2136	C2136	C2136	G	G979
G2137	G2137	G2137	G2137	G2137	G2137	G2137	G2137	G2137	G2137	G2137	G	G979
C2145	C2145	C2145	C2145	C2145	C2145	C2145	C2145	C2145	C2145	C2145	G	G979
G2146	G2146	G2146	G2146	G2146	G2146	G2146	G2146	G2146	G2146	G2146	G	G979
C2147	C2147	C2147	C2147	C2147	C2147	C2147	C2147	C2147	C2147	C2147	G	G979
G2148	G2148	G2148	G2148	G2148	G2148	G2148	G2148	G2148	G2148	G2148	G	G979
A2149	A2149	A2149	A2149	A2149	A2149	A2149	A2149	A2149	A2149	A2149	G	G979
U2150	U2150	U2150	U2150	U2150	U2150	U2150	U2150	U2150	U2150	U2150	G	G979
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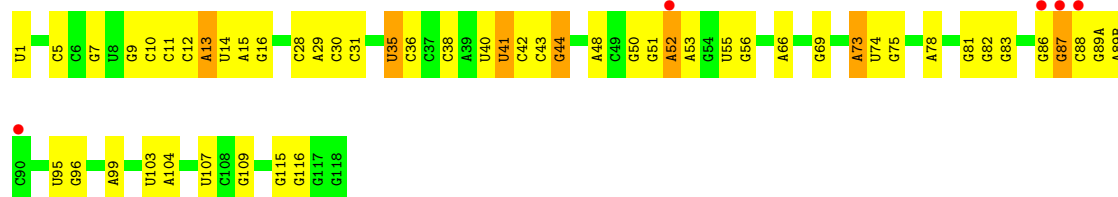




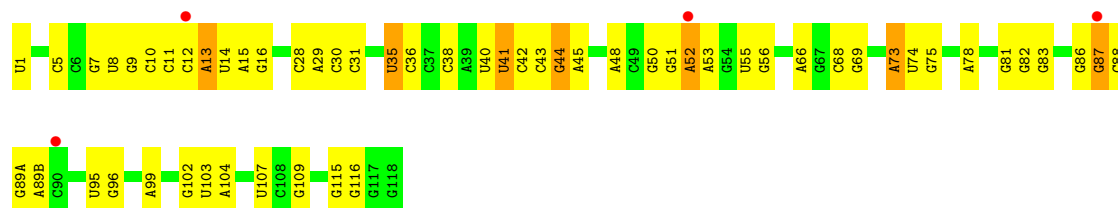
A2750	C2678	G2577	G2481	G2399	G2326	G2259	C2160	C2063	C1982	C1902	C1790	G1687	C1589
G2751	A2679	G2578	G2482	G2400	A2327	C2260	C2161	G2068	G1989	G1903	A1791	U1688	U1590
C2755	C2483	G2579	G2483	U2401	A2328	C2261	G2162	G2069	G1989	G1906	U1794	A1689	G1591
U2756	G2484	G2580	G2484	C2402	G2329	U2262	C2163	U2262	U1992	G1906	U1796	U1693	C1592
A2757	G2494	G2581	G2494	G2410	G2330	C2263	G2164	U2074	U1992	G1910	U1796	U1694	G1593
A2758	A2495	U2584	G2495	A2411	U2332	A2267	G2165	U2075	U1994	U1911	C1797	A1698	G1594
G2759	C2496	U2585	C2496	A2412	A2333	A2268	G2166	U2076	C1996	A1912	U1798	U1705	G1595
A2764	A2497	U2586	A2497	G2413	G2334	G2271	U2167	C2078	U1995	A1913	U1799	U1706	C1598
A2765	C2498	U2587	G2498	G2414	A2335	G2272	A2169	U2079	U1997	U1915	G1703	G1703	U1602
A2766	C2499	G2581	G2499	G2415	A2336	U2272	A2170	C2080	U1998	U1916	G1704	G1705	A1603
C2773	G2694	U2592	G2502	C2416	G2340	A2273	A2171	U2086	G2000	U1917	U1805	U1706	A1603
C2774	A2503	G2593	A2503	U2419	G2341	C2275	A2172	G2087	A2001	A1918	G1805	U1706	C1607
A2775	U2504	G2594	U2504	G2420	C2342	G2276	C2174	G2090	C2006	U1919	G1811	U1709	A1608
A2776	G2505	U2505	G2505	G2421	C2343	G2277	C2175	G2091	C2006	A1912	A1812	U1710	A1609
A2777	U2506	U2506	U2506	G2422	U2344	A2278	A2176	G2092	C2006	G1921	A1812	U1711	A1610
A2778	C2512	U2507	C2512	U2423	G2345	G2279	C2177	G2093	U2011	G1816	G1816	U1712	A1614
U2779	G2516	U2605	G2516	G2424	A2346	G2280	C2178	C2095	G2012	U1817	U1817	G1726	C1615
G2780	C2517	U2606	C2517	A2425	U2347	G2281	C2179	U2096	A2013	U1818	U1818	U1727	C1615
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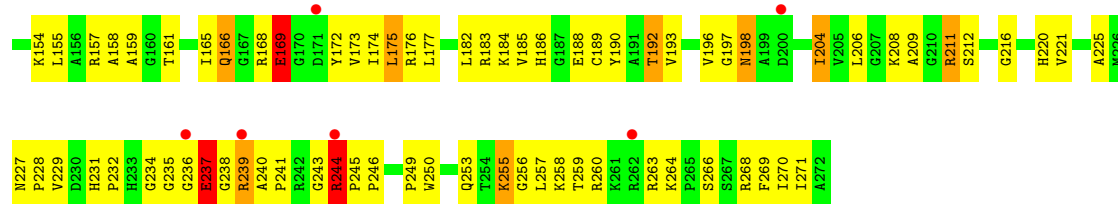
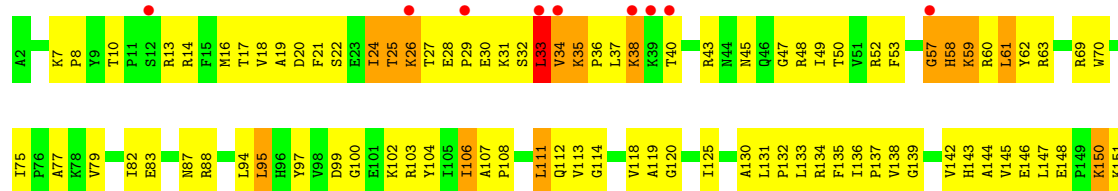
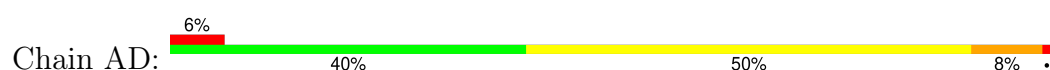
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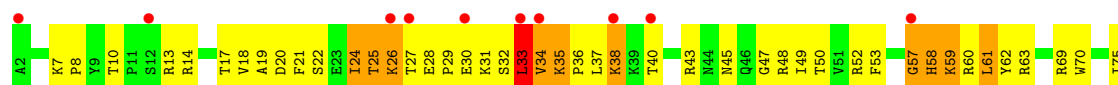
• Molecule 2: 5S ribosomal RNA

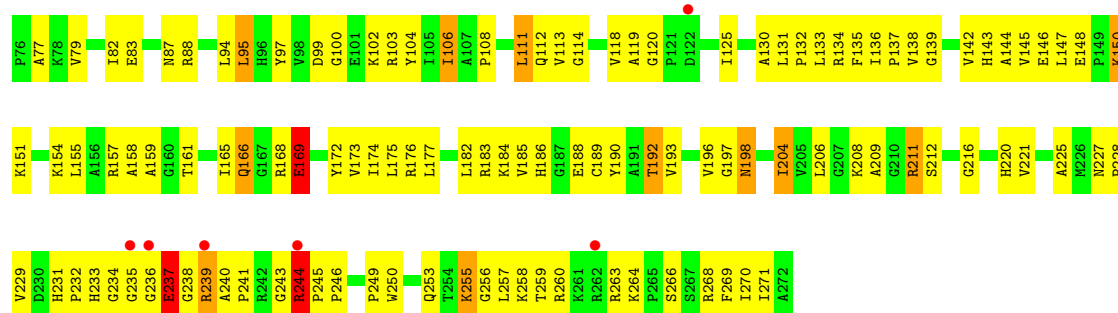


• Molecule 3: 50S ribosomal protein L2



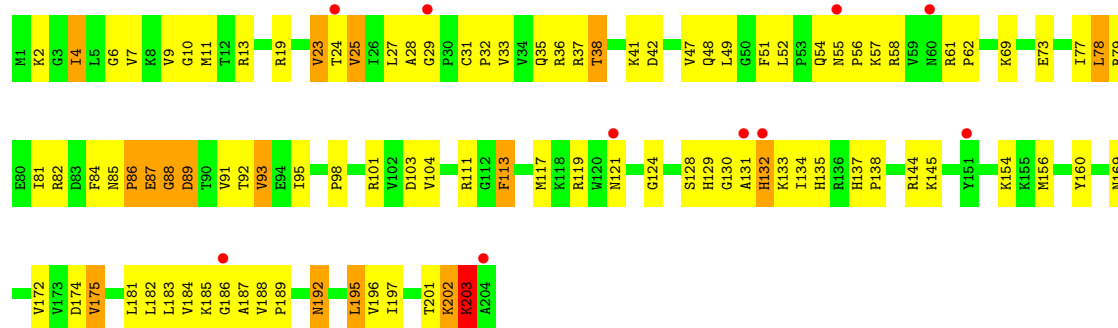
• Molecule 3: 50S ribosomal protein L2





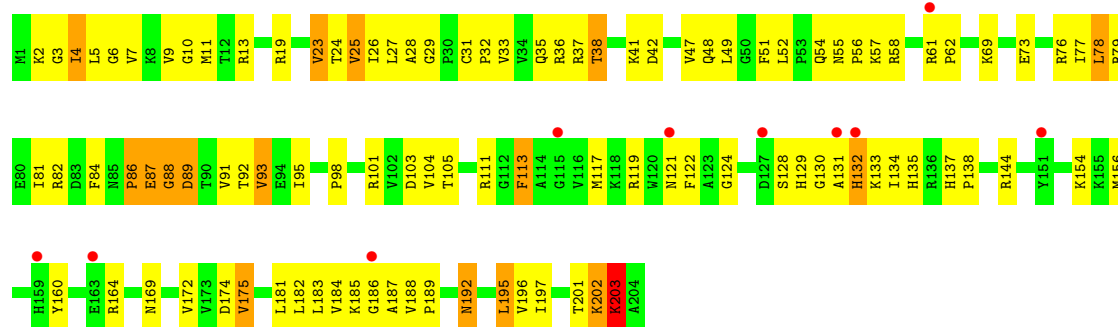
• Molecule 4: 50S ribosomal protein L3

Chain AE: 5% 52% 40% 8%



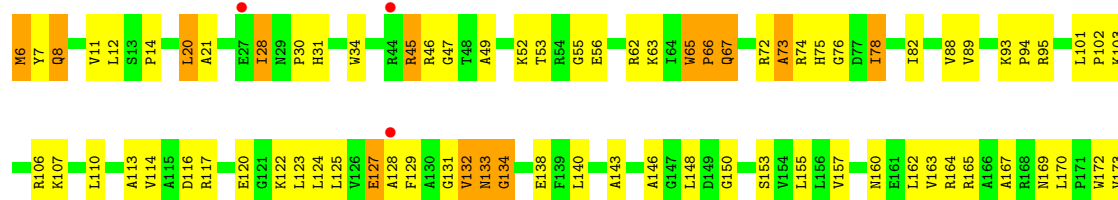
• Molecule 4: 50S ribosomal protein L3

Chain CE: 5% 50% 42% 8%



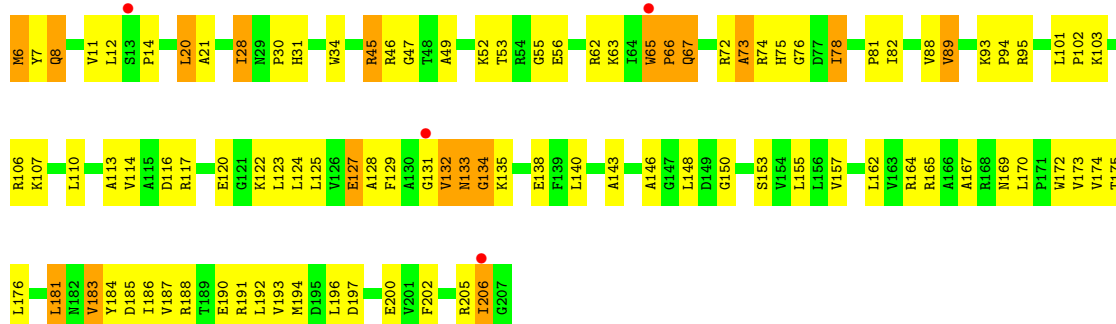
• Molecule 5: 50S ribosomal protein L4

Chain AF: 0% 51% 41% 8%

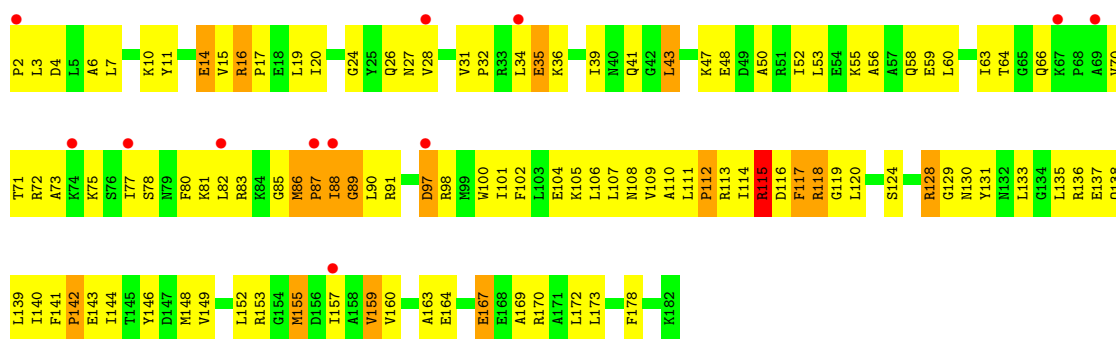




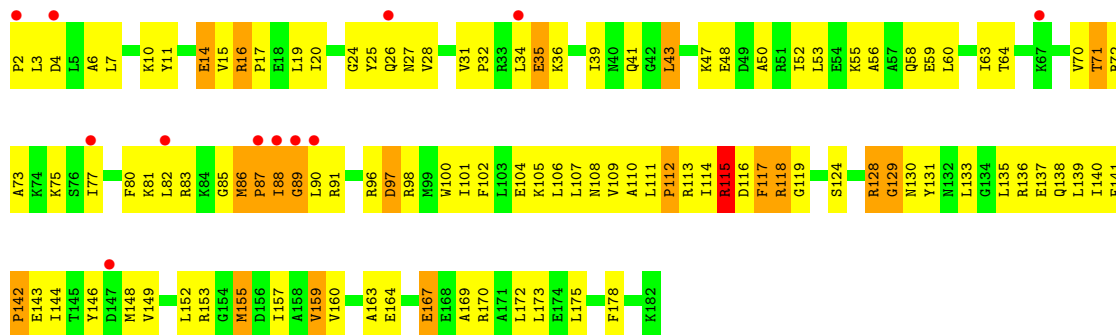
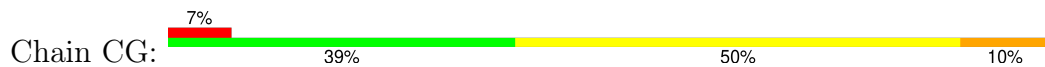
• Molecule 5: 50S ribosomal protein L4



• Molecule 6: 50S ribosomal protein L5

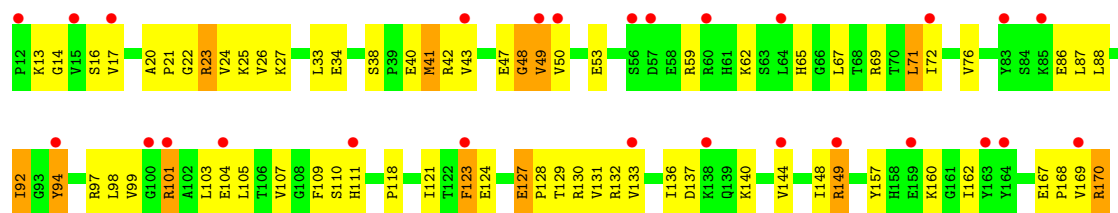


• Molecule 6: 50S ribosomal protein L5

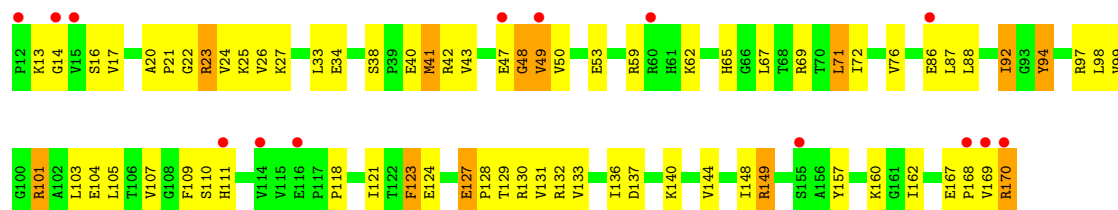


• Molecule 7: 50S ribosomal protein L6

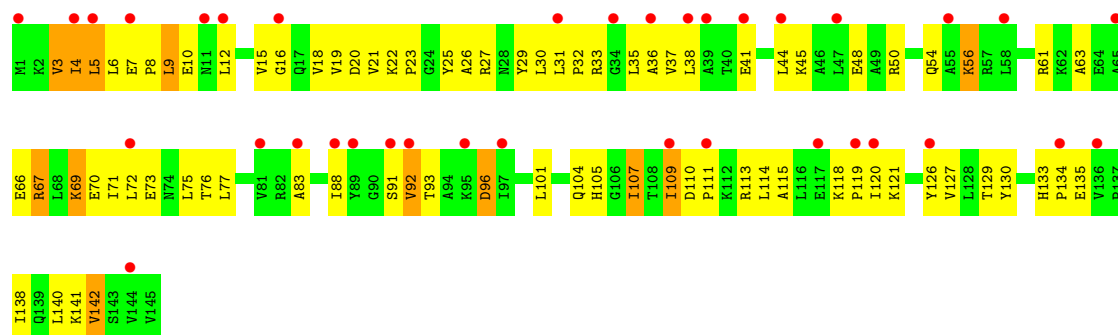




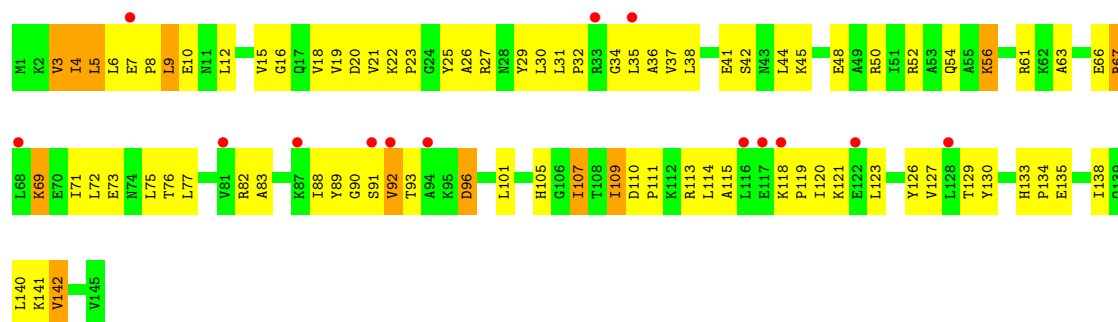
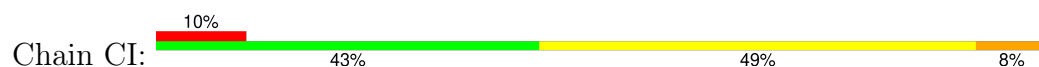
• Molecule 7: 50S ribosomal protein L6



• Molecule 8: 50S ribosomal protein L9

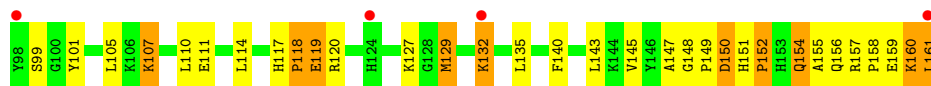
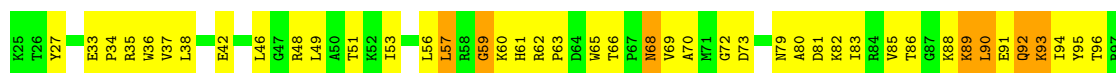


• Molecule 8: 50S ribosomal protein L9

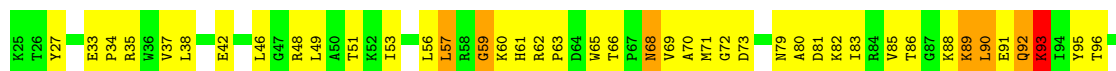


• Molecule 9: 50S ribosomal protein L13

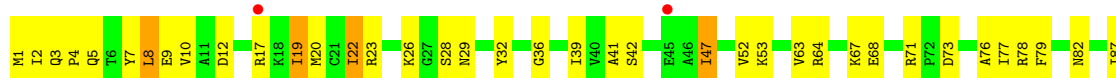




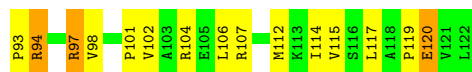
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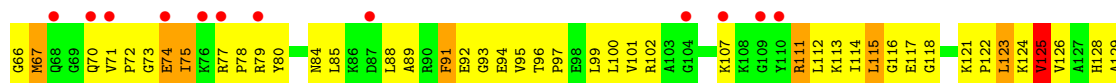
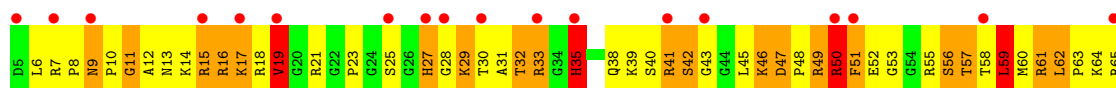
• Molecule 10: 50S ribosomal protein L14



• Molecule 10: 50S ribosomal protein L14

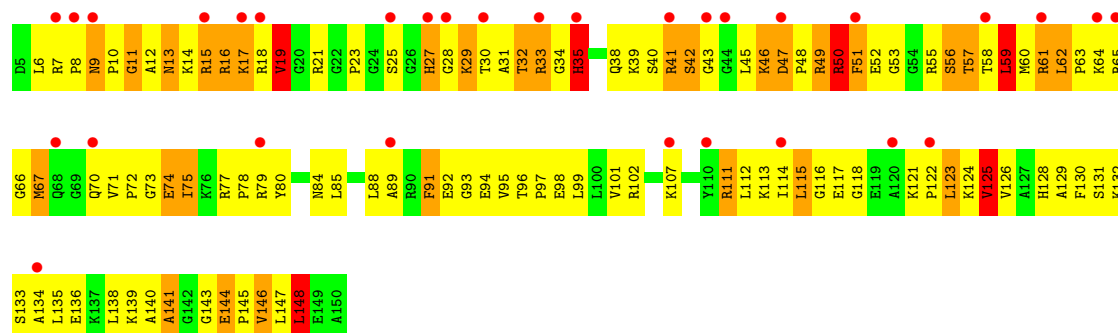


• Molecule 11: 50S ribosomal protein L15

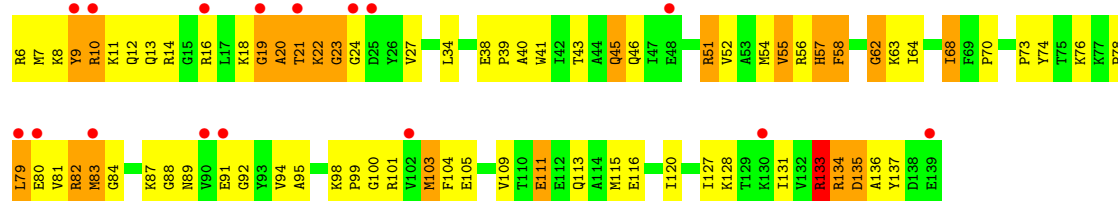
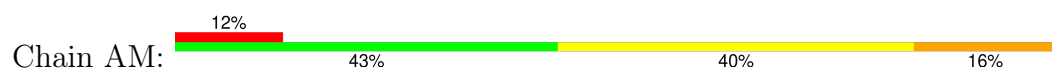




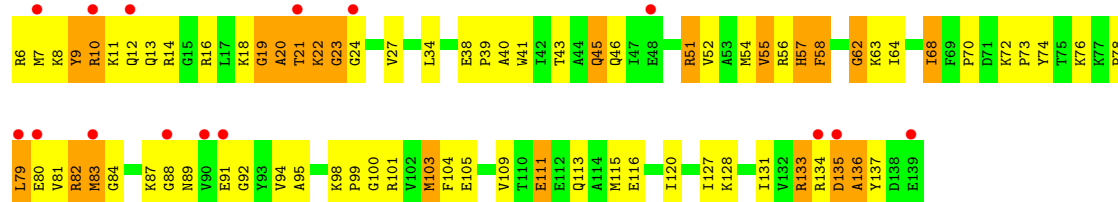
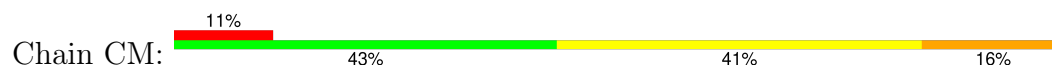
• Molecule 11: 50S ribosomal protein L15



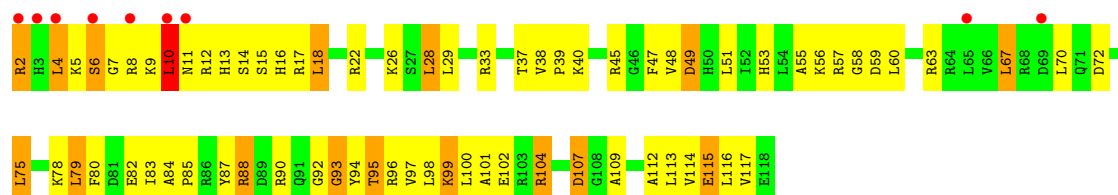
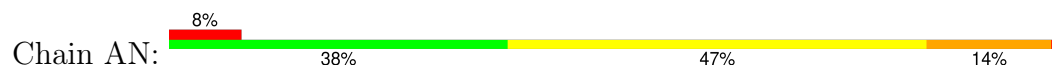
• Molecule 12: 50S ribosomal protein L16



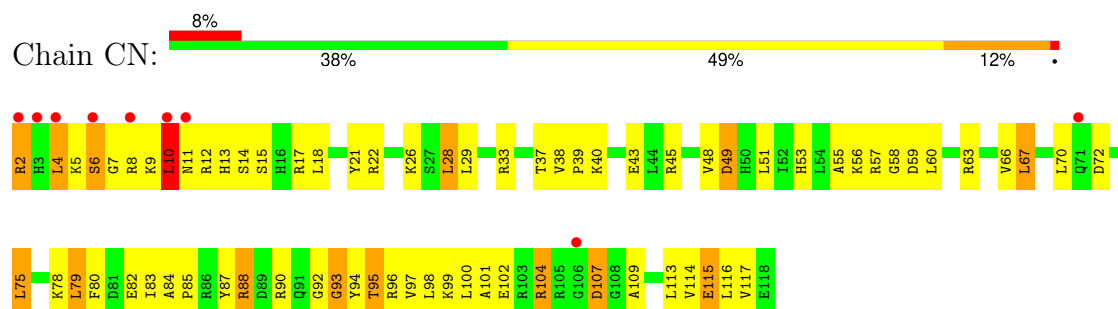
• Molecule 12: 50S ribosomal protein L16



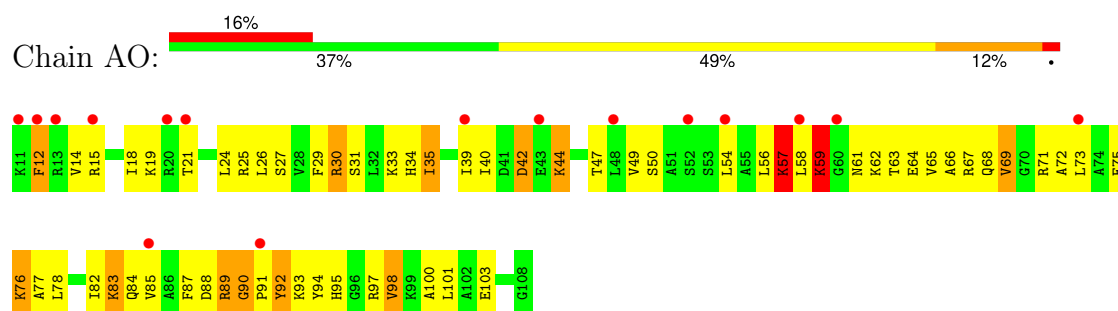
• Molecule 13: 50S ribosomal protein L17



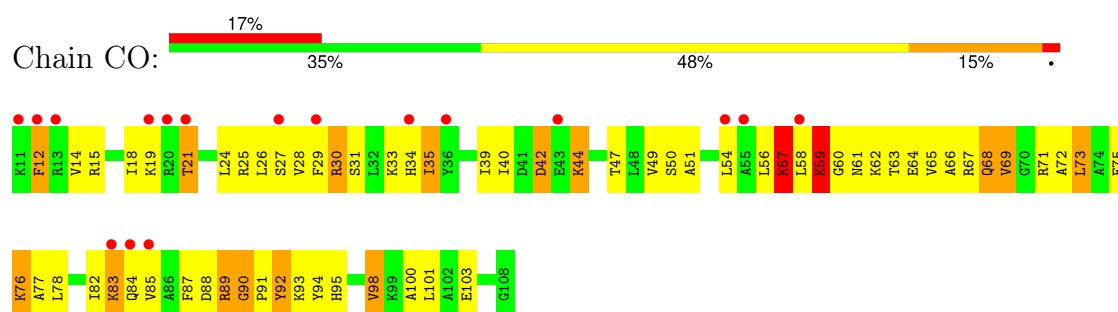
- Molecule 13: 50S ribosomal protein L17



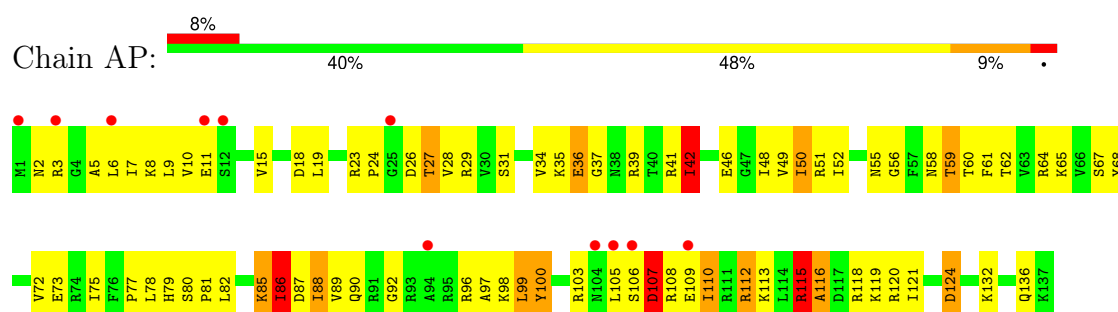
- Molecule 14: 50S ribosomal protein L18



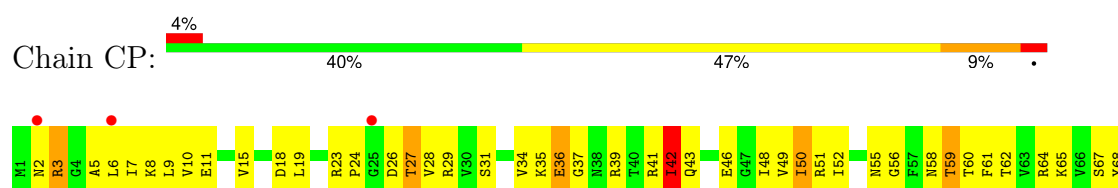
- Molecule 14: 50S ribosomal protein L18



- Molecule 15: 50S ribosomal protein L19

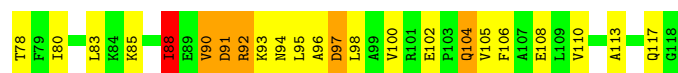


- Molecule 15: 50S ribosomal protein L19

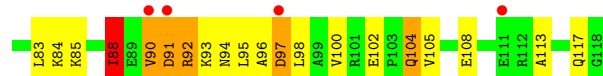




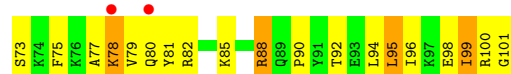
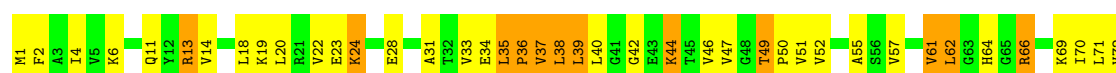
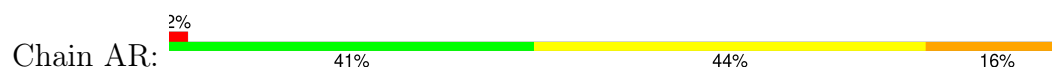
- Molecule 16: 50S ribosomal protein L20



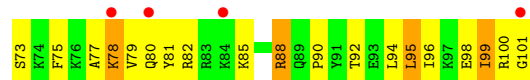
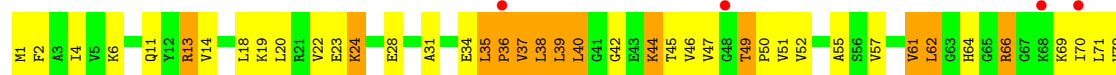
- Molecule 16: 50S ribosomal protein L20



- Molecule 17: 50S ribosomal protein L21

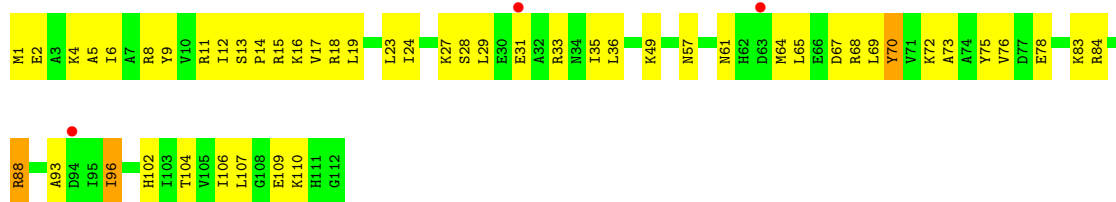


- Molecule 17: 50S ribosomal protein L21

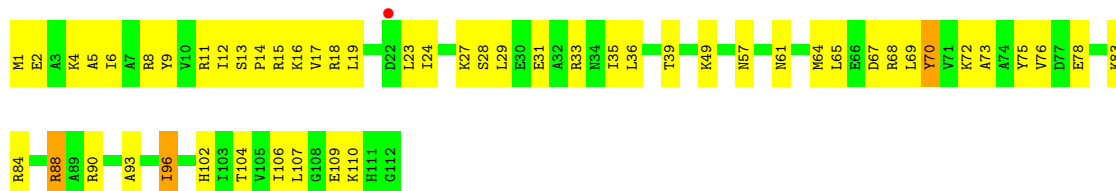


- Molecule 18: 50S ribosomal protein L22

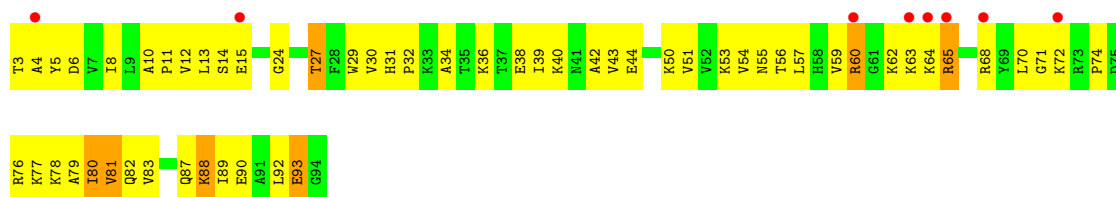




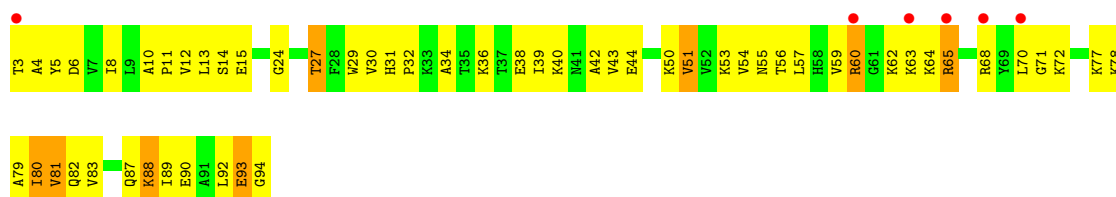
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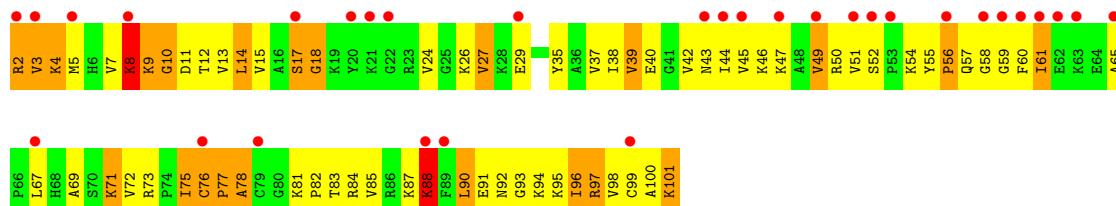
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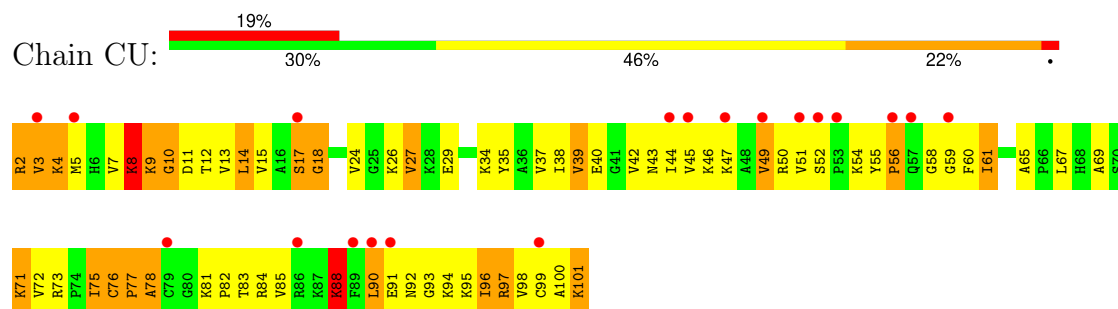
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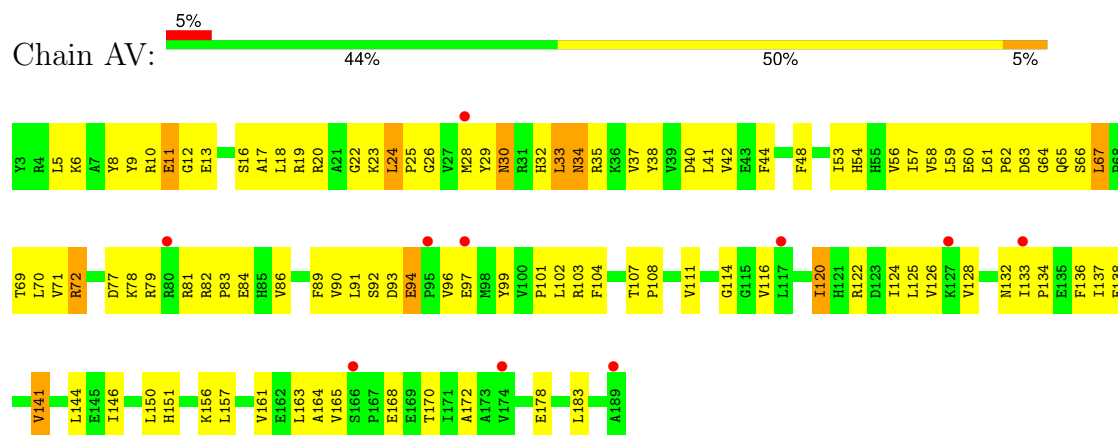
• Molecule 20: 50S ribosomal protein L24



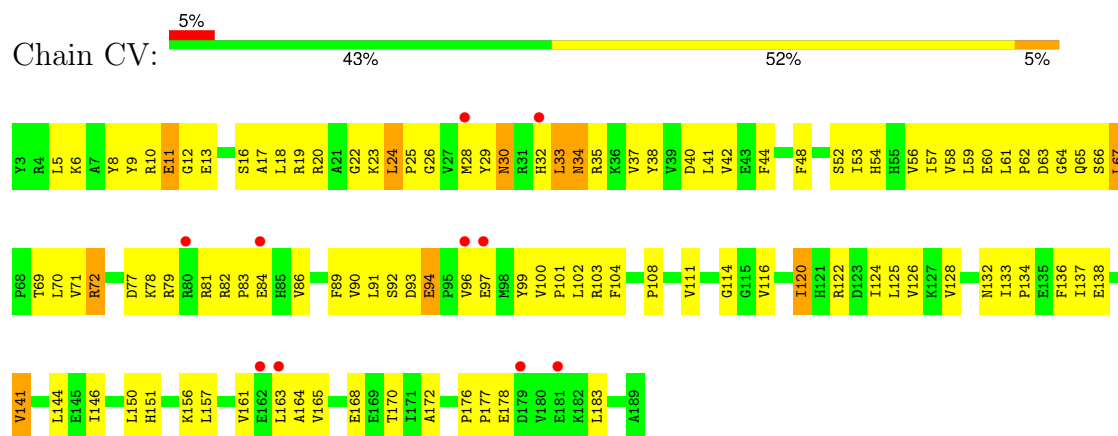
- Molecule 20: 50S ribosomal protein L24



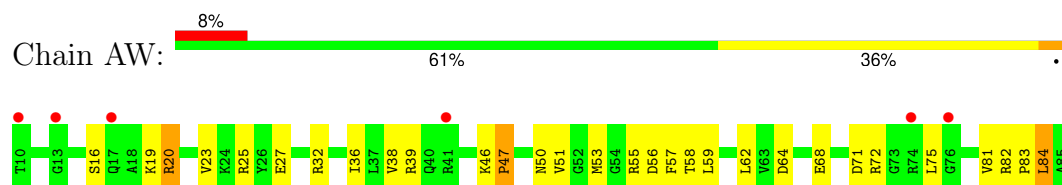
- Molecule 21: 50S ribosomal protein L25



- Molecule 21: 50S ribosomal protein L25



- Molecule 22: 50S ribosomal protein L27

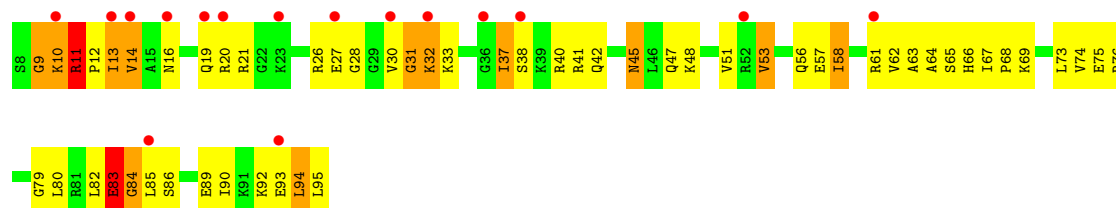


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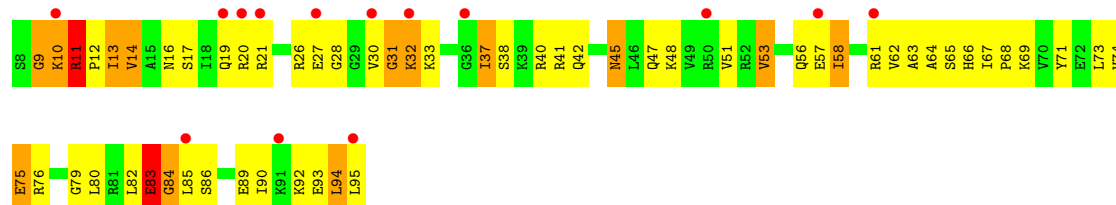




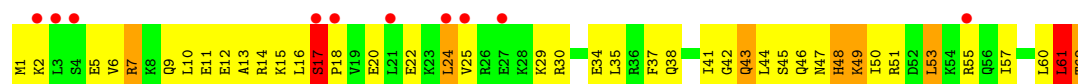
- Molecule 23: 50S ribosomal protein L28



- Molecule 23: 50S ribosomal protein L28



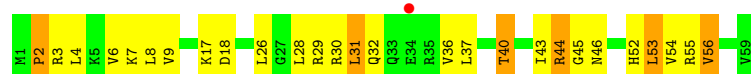
- Molecule 24: 50S ribosomal protein L29



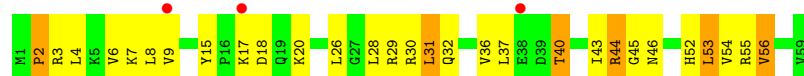
- Molecule 24: 50S ribosomal protein L29



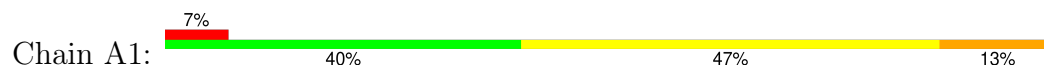
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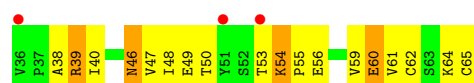
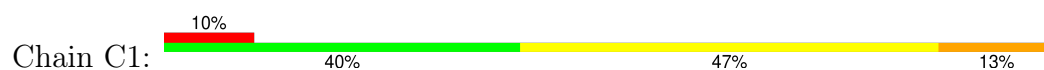
- Molecule 25: 50S ribosomal protein L30



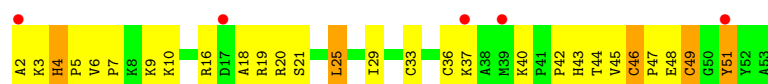
- Molecule 26: 50S ribosomal protein L31



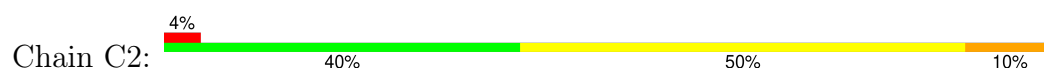
- Molecule 26: 50S ribosomal protein L31



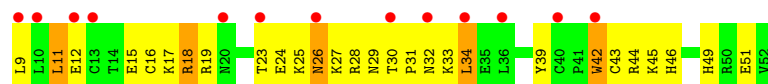
- Molecule 27: 50S ribosomal protein L32



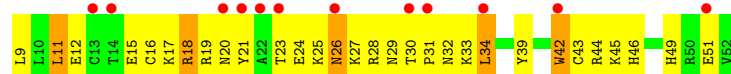
- Molecule 27: 50S ribosomal protein L32



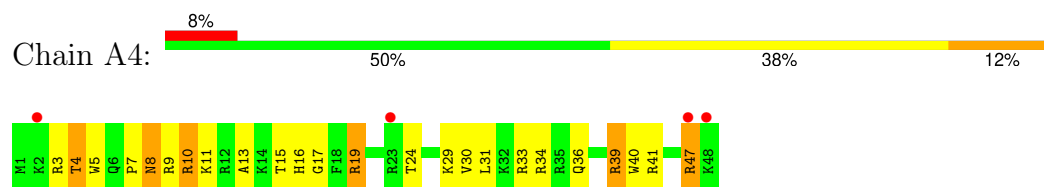
- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33



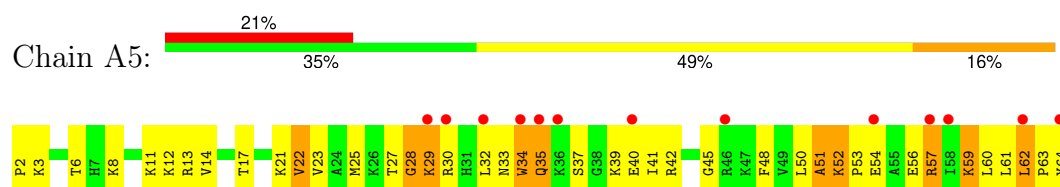
- Molecule 29: 50S ribosomal protein L34



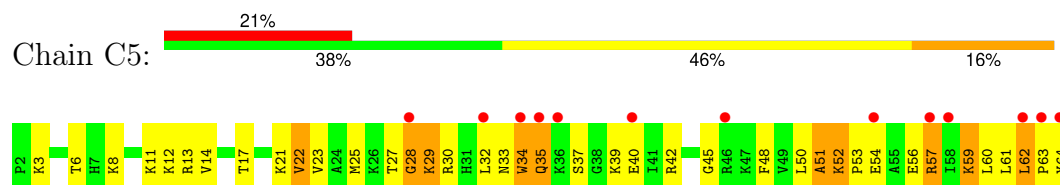
- Molecule 29: 50S ribosomal protein L34



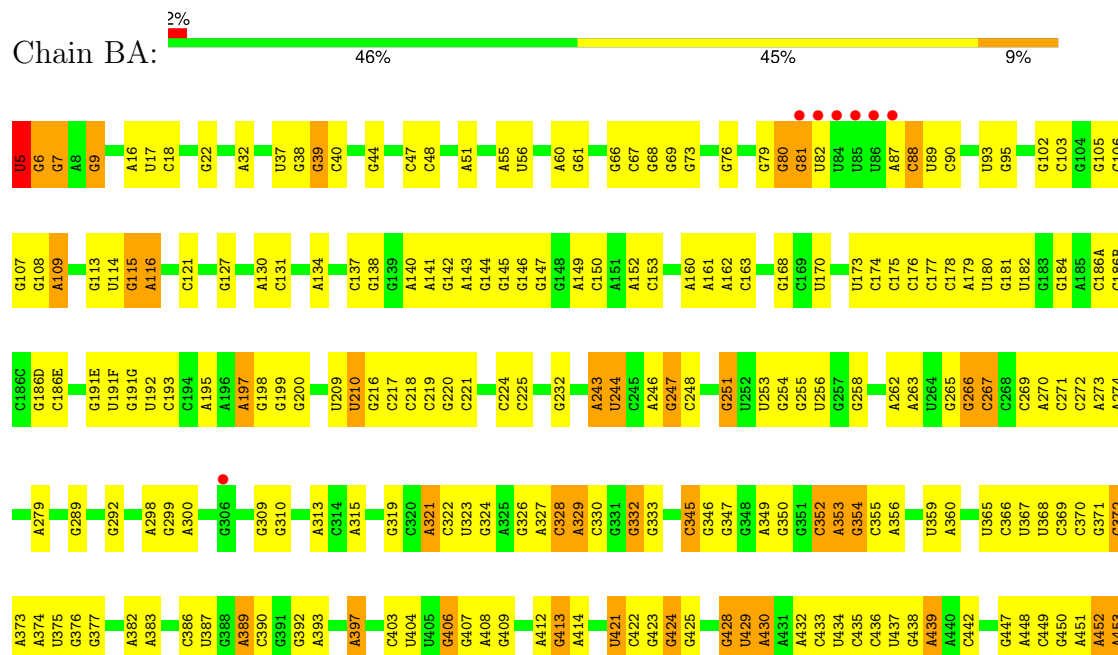
- Molecule 30: 50S ribosomal protein L35

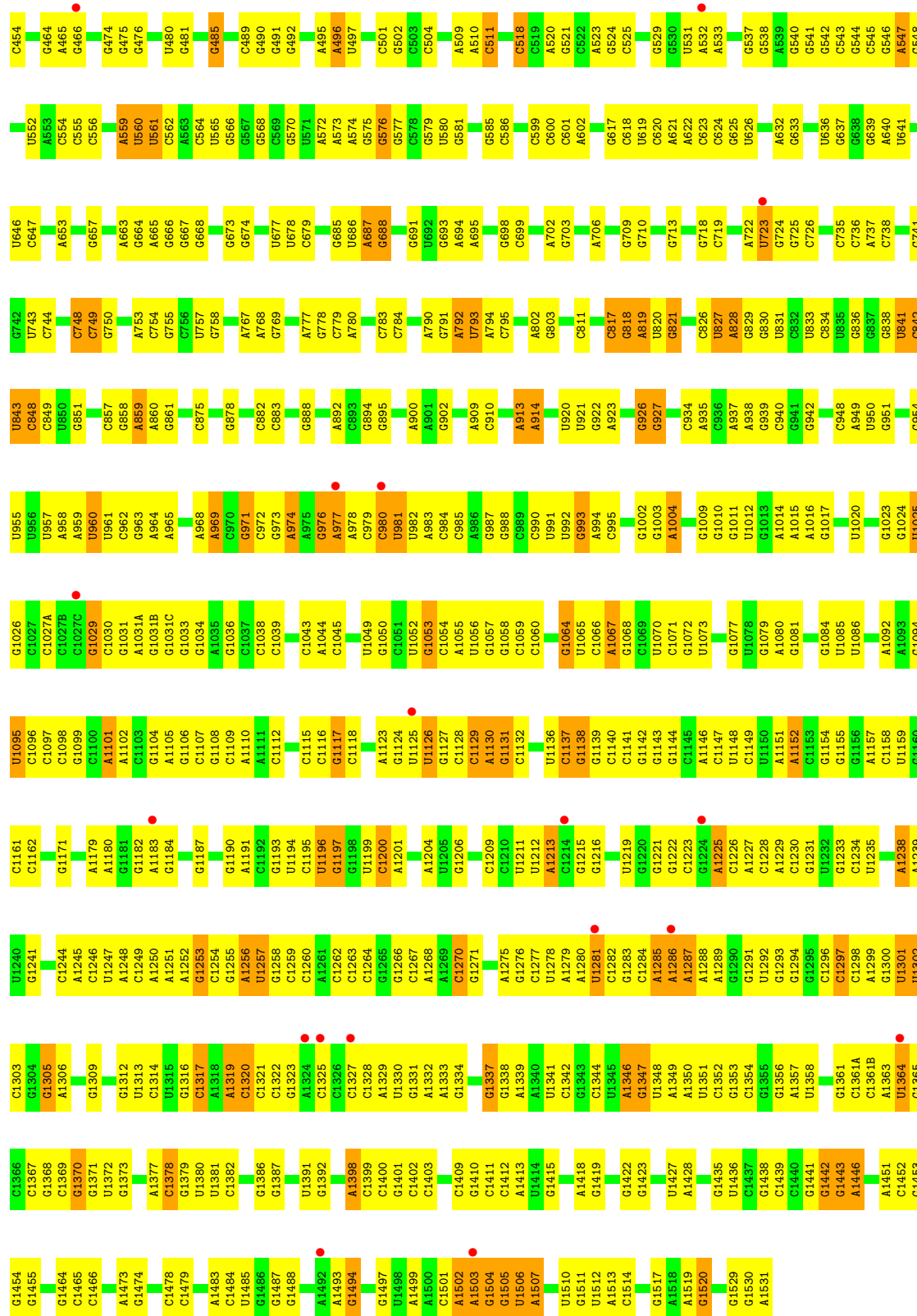


- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 16S ribosomal RNA

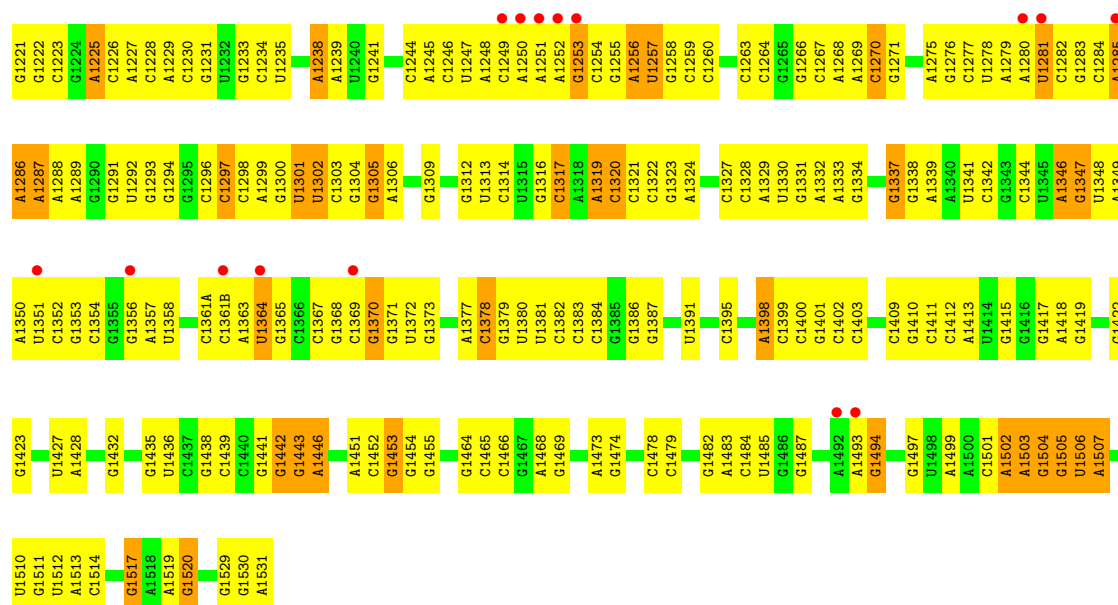




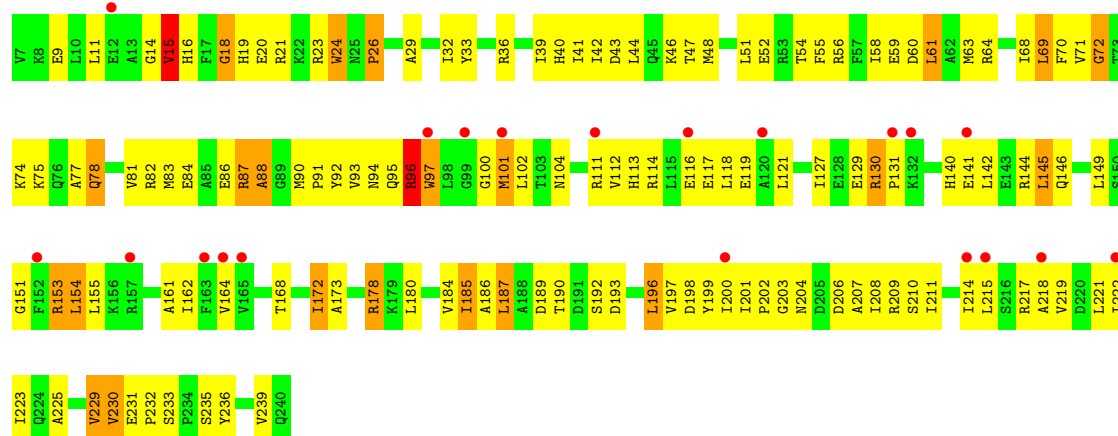
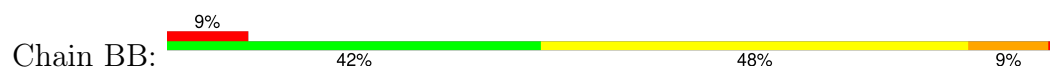
• Molecule 31: 16S ribosomal RNA



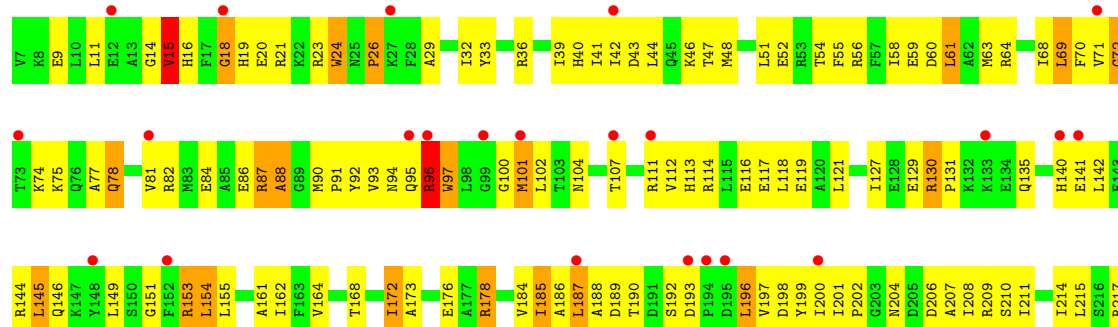
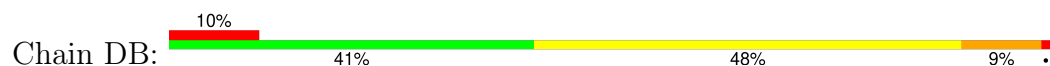
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G1064	U1065	C1066	A1067	U1070	C1071	G1072	U1073	G1077	A1080	G1081	G1084	U1085	U1086	A1087	A1088	U1089	U1090	U1091	U1092	U1093	U1094	U1095	U1096	U1097	U1098	U1099	U1100	U1101	U1102	U1103	U1104	U1105	U1106	U1107	U1108	U1109	U1110	U1111	U1112	U1113	U1114	U1115	U1116	U1117	U1118	U1119	U1120	U1121	U1122	U1123	U1124	U1125	U1126	U1127	U1128	U1129	U1130	U1131	U1132	U1133	U1134	U1135	U1136	U1137	U1138	U1139																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
A994	C995	U999	G1002	G1003	A1004	G1009	G1010	G1011	U1012	G1013	A1014	A1015	A1016	G1017	U1020	G1023	G1024	U1025	G1026	C1027	C1027A	C1027B	C1027C	G1029	C1030	G1031	A1031A	G1031B	G1031C	G1033	G1034	A1035	G1036	C1037	C1038	C1039	C1043	A1044	C1045	U1049	G1050	C1051	U1052	G1053	C1054	A1055	U1056	U1057	G1058	C1059	C1060																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
A923	G926	G927	C934	A935	C936	A937	A938	G939	C940	G941	G942	C948	A949	U950	G951	U952	G953	G954	U955	U956	U957	A958	A959	U960	U961	C962	G963	A964	A965	A968	A969	C970	G971	C972	G973	A974	A975	G976	A977	A978	C979	C980	U981	U982	C1051	A983	C984	C985	A986	G987	G988	C989	C990	U991	U992	G993																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
G821	G826	C828	U827	A828	G829	G830	U831	C832	U833	C834	U835	G836	G837	G838	U841	C842	U843	C848	G851	C857	G858	A859	U860	G861	A864	A865	A866	A867	A868	A869	A870	A871	A872	C875	G878	C879	C882	C883	U884	A892	C893	G894	G895	A900	A901	G902	A909	C910	A913	A914	A915	C916	C917	G918	A919	U920	U921	C922																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
G725	C726	G730	G731	G735	C736	A737	C738	G741	G742	U743	C744	C748	C749	A753	C754	G755	C756	U757	G758	A767	A768	G769	A777	G778	C779	A780	C783	C784	A790	G791	C792	A793	A794	C795	C796	C797	G798	A802	G803	C811	A814	A815	G816	C817	G818	C819	A820	G821	G822	G823	G824	G825	A826	A827	A828	A829	A830	A831	A832	A833	A834	A835	A836	A837	A838	A839	A840	A841	A842	A843	A844	A845	A846	A847	A848	A849	A850	A851	A852	A853	A854	A855	A856	A857	A858	A859	A860	A861	A862	A863	A864	A865	A866	A867	A868	A869	A870	A871	A872	A873	A874	A875	A876	A877	A878	A879	A880	A881	A882	A883	A884	A885	A886	A887	A888	A889	A890	A891	A892	A893	A894	A895	A896	A897	A898	A899	A900	A901	A902	A903	A904	A905	A906	A907	A908	A909	A910	A911	A912	A913	A914	A915	A916	A917	A918	A919	A920	A921	A922	A923	A924	A925	A926	A927	A928	A929	A930	A931	A932	A933	A934	A935	A936	A937	A938	A939	A940	A941	A942	A943	A944	A945	A946	A947	A948	A949	A950	A951	A952	A953	A954	A955	A956	A957	A958	A959	A960	A961	A962	A963	A964	A965	A966	A967	A968	A969	A970	A971	A972	A973	A974	A975	A976	A977	A978	A979	A980	A981	A982	A983	A984	A985	A986	A987	A988	A989	A990	A991	A992	A993	A994	A995	A996	A997	A998	A999	A1000	A1001	A1002	A1003	A1004	A1005	A1006	A1007	A1008	A1009	A1010	A1011	A1012	A1013	A1014	A1015	A1016	A1017	A1018	A1019	A1020	A1021	A1022	A1023	A1024	A1025	A1026	A1027	A1028	A1029	A1030	A1031	A1032	A1033	A1034	A1035	A1036	A1037	A1038	A1039	A1040	A1041	A1042	A1043	A1044	A1045	A1046	A1047	A1048	A1049	A1050	A1051	A1052	A1053	A1054	A1055	A1056	A1057	A1058	A1059	A1060	A1061	A1062	A1063	A1064	A1065	A1066	A1067	A1068	A1069	A1070	A1071	A1072	A1073	A1074	A1075	A1076	A1077	A1078	A1079	A1080	A1081	A1082	A1083	A1084	A1085	A1086	A1087	A1088	A1089	A1090	A1091	A1092	A1093	A1094	A1095	A1096	A1097	A1098	A1099	A1100	A1101	A1102	A1103	A1104	A1105	A1106	A1107	A1108	A1109	A1110	A1111	A1112	A1113	A1114	A1115	A1116	A1117	A1118	A1119	A1120	A1121	A1122	A1123	A1124	A1125	A1126	A1127	A1128	A1129	A1130	A1131	A1132	A1133	A1134	A1135	A1136	A1137	A1138	A1139	A1140	A1141	A1142	A1143	A1144	A1145	A1146	A1147	A1148	A1149	A1150	A1151	A1152	A1153	A1154	A1155	A1156	A1157	A1158	A1159	A1160	A1161	A1162	A1163	A1164	A1165	A1166	A1167	A1168	A1169	A1170	A1171	A1172	A1173	A1174	A1175	A1176	A1177	A1178	A1179	A1180	A1181	A1182	A1183	A1184	A1185	A1186	A1187	A1188	A1189	A1190	A1191	A1192	A1193	A1194	A1195	A1196	A1197	A1198	A1199	A1200	A1201	A1202	A1203	A1204	A1205	A1206	A1207	A1208	A1209	A1210	A1211	A1212	A1213	A1214	A1215	A1216	A1217	A1218	A1219	A1220	A1221	A1222	A1223	A1224	A1225	A1226	A1227	A1228	A1229	A1230	A1231	A1232	A1233	A1234	A1235	A1236	A1237	A1238	A1239	A1240	A1241	A1242	A1243	A1244	A1245	A1246	A1247	A1248	A1249	A1250	A1251	A1252	A1253	A1254	A1255	A1256	A1257	A1258	A1259	A1260	A1261	A1262	A1263	A1264	A1265	A1266	A1267	A1268	A1269	A1270	A1271	A1272	A1273	A1274	A1275	A1276	A1277	A1278	A1279	A1280	A1281	A1282	A1283	A1284	A1285	A1286	A1287	A1288	A1289	A1290	A1291	A1292	A1293	A1294	A1295	A1296	A1297	A1298	A1299	A1300	A1301	A1302	A1303	A1304	A1305	A1306	A1307	A1308	A1309	A1310	A1311	A1312	A1313	A1314	A1315	A1316	A1317	A1318	A1319	A1320	A1321	A1322	A1323	A1324	A1325	A1326	A1327	A1328	A1329	A1330	A1331	A1332	A1333	A1334	A1335	A1336	A1337	A1338	A1339	A1340	A1341	A1342	A1343	A1344	A1345	A1346	A1347	A1348	A1349	A1350	A1351	A1352	A1353	A1354	A1355	A1356	A1357	A1358	A1359	A1360	A1361	A1362	A1363	A1364	A1365	A1366	A1367	A1368	A1369	A1370	A1371	A1372	A1373	A1374	A1375	A1376	A1377	A1378	A1379	A1380	A1381	A1382	A1383	A1384	A1385	A1386	A1387	A1388	A1389	A1390	A1391	A1392	A1393	A1394	A1395	A1396	A1397	A1398	A1399	A1400	A1401	A1402	A1403	A1404	A1405	A1406	A1407	A1408	A1409	A1410	A1411	A1412	A1413	A1414	A1415	A1416	A1417	A1418	A1419	A1420	A1421	A1422	A1423	A1424	A1425	A1426	A1427	A1428	A1429	A1430	A1431	A1432	A1433	A1434	A1435	A1436	A1437	A1438	A1439	A1440	A1441	A1442	A1443	A1444	A1445	A1446	A1447	A1448	A1449	A1450	A1451	A1452	A1453	A1454	A1455	A1456	A1457	A1458	A1459	A1460	A1461	A1462	A1463	A1464	A1465	A1466	A1467	A1468	A1469	A1470	A1471	A1472	A1473	A1474	A1475	A1476	A1477	A1478	A1479	A1480	A1481	A1482	A1483	A1484	A1485	A1486	A1487	A1488	A1489	A1490	A1491	A1492	A1493	A1494	A1495	A1496	A1497	A1498	A1499	A1500	A1501	A1502	A1503	A1504	A1505	A1506	A1507	A1508	A1509	A1510	A1511	A1512	A1513	A1514	A1515	A1516	A1517	A1518	A1519	A1520	A1521	A1522	A1523	A1524	A1525	A1526	A1527	A1528	A1529	A1530	A1531	A1532	A1533	A1534	A1535	A1536	A1537	A1538	A1539	A1540	A1541	A1542	A1543	A1544	A1545	A1546	A1547	A1548	A1549	A1550	A1551	A1552	A1553	A1554	A1555	A1556	A1557	A1558	A1559	A1560	A1561	A1562	A1563	A1564	A1565	A1566	A1567	A1568	A1569	A1570	A1571	A1572	A1573	A1574	A1575	A1576	A1577	A1578	A1579	A1580	A1581	A1582	A1583	A1584	A1585	A1586	A1587	A1588	A1589	A1590	A1591	A1592	A1593	A1594	A1595	A1596	A1597	A1598	A1599	A1600	A1601	A1602	A1603	A1604	A1605	A1606	A1607	A1608	A1609	A1610	A1611	A1612	A1613	A1614	A1615	A1616	A1617	A1618	A1619	A1620	A1621	A1622	A1623	A1624	A1625	A1626	A1627	A1628	A1629	A1630	A1631	A1632	A1633	A1634	A1635	A1636	A1637	A1638	A1639	A1640	A1641	A1642	A1643	A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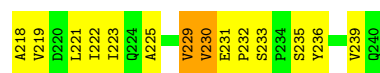


• Molecule 32: 30S ribosomal protein S2

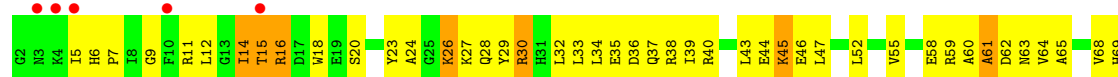


• Molecule 32: 30S ribosomal protein S2

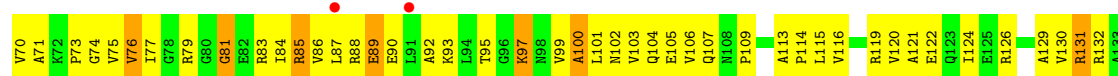
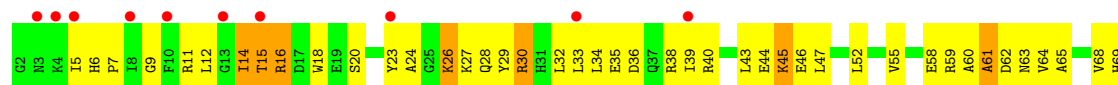
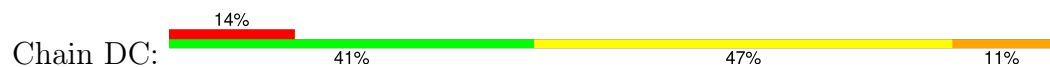




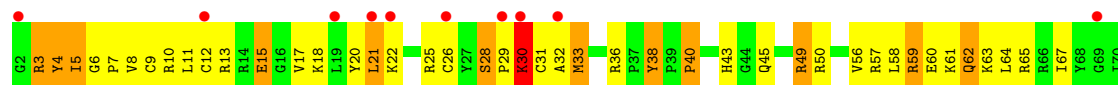
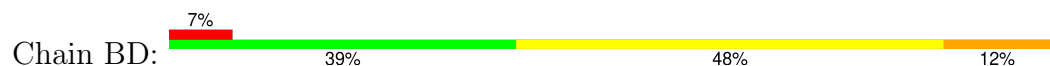
• Molecule 33: 30S ribosomal protein S3



• Molecule 33: 30S ribosomal protein S3

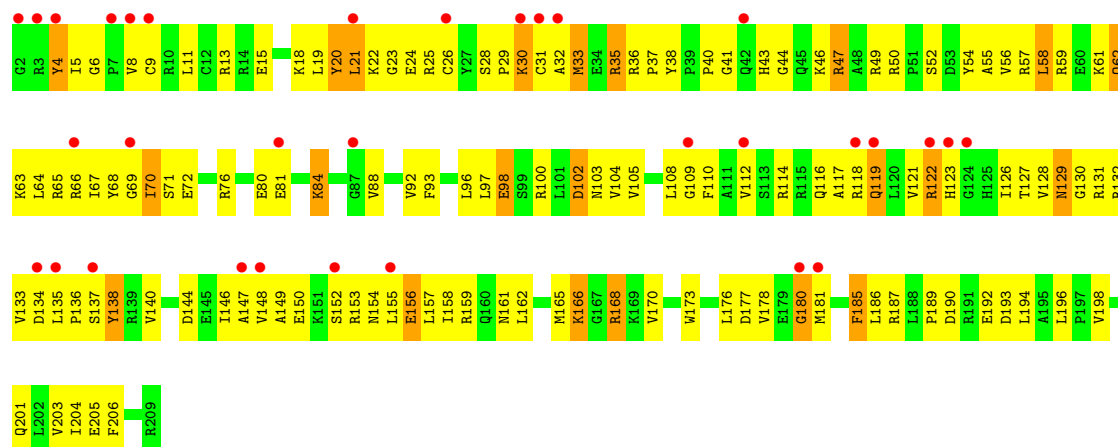


• Molecule 34: 30S ribosomal protein S4

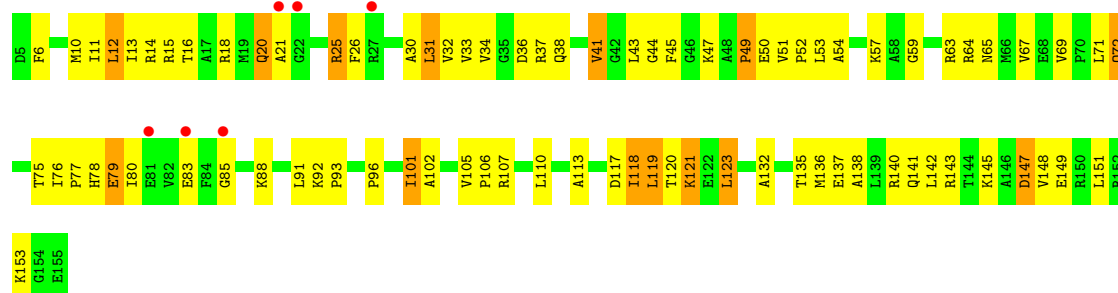


• Molecule 34: 30S ribosomal protein S4

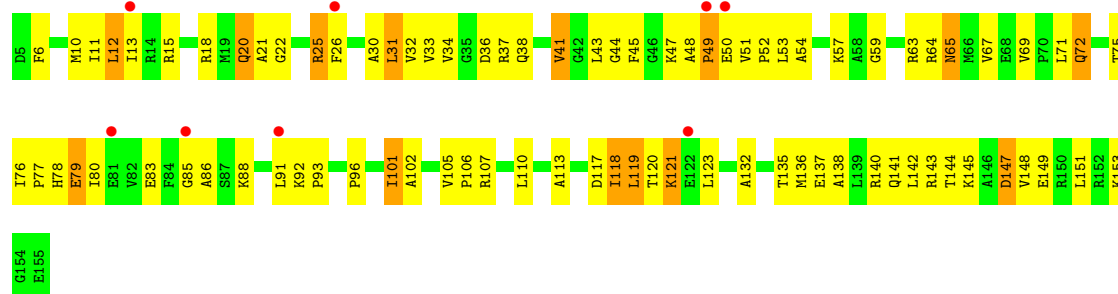




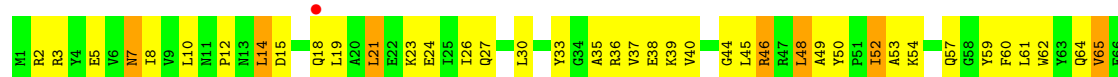
• Molecule 35: 30S ribosomal protein S5



• Molecule 35: 30S ribosomal protein S5

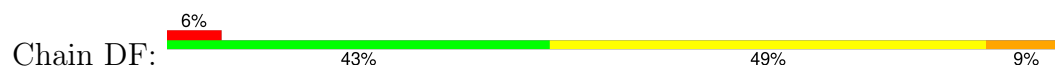


• Molecule 36: 30S ribosomal protein S6





- Molecule 36: 30S ribosomal protein S6



- Molecule 37: 30S ribosomal protein S7



- Molecule 37: 30S ribosomal protein S7

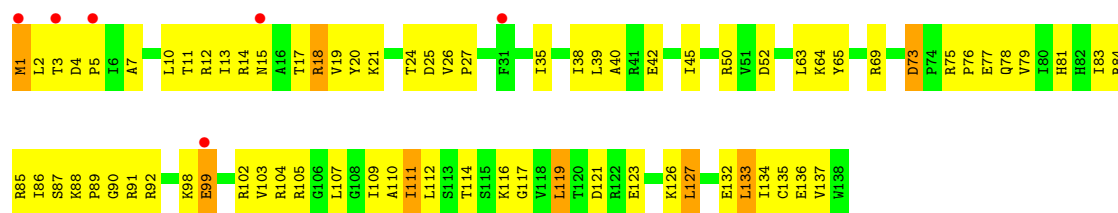


- Molecule 38: 30S ribosomal protein S8

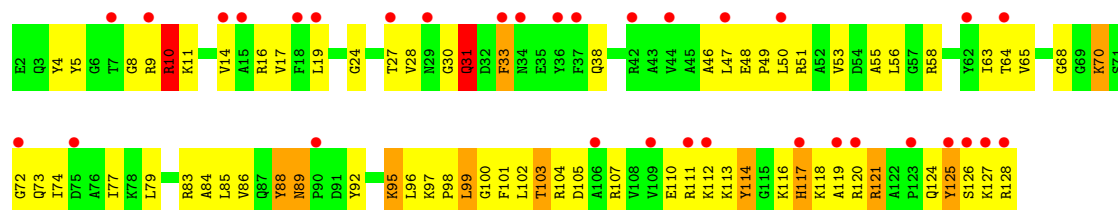
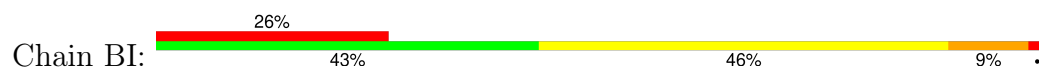


- Molecule 38: 30S ribosomal protein S8

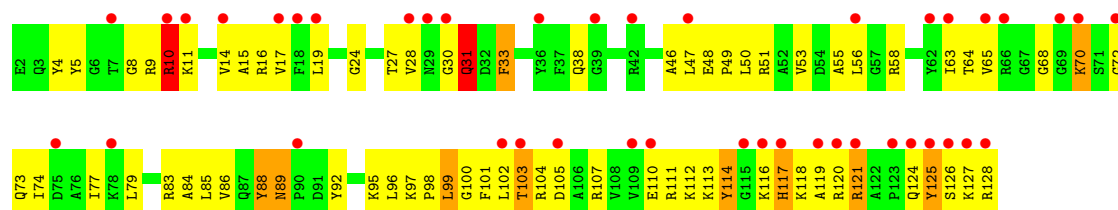
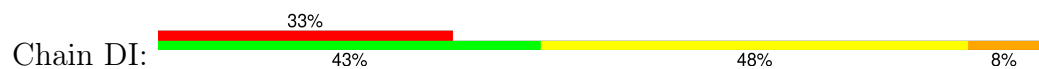




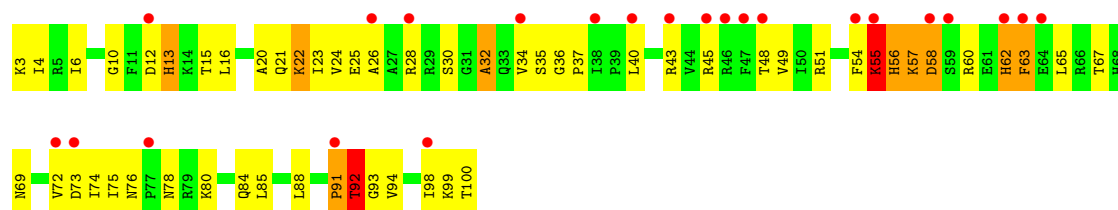
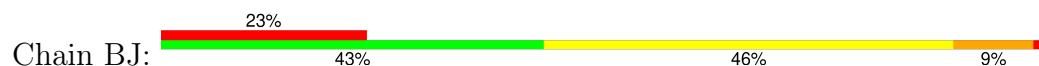
• Molecule 39: 30S ribosomal protein S9



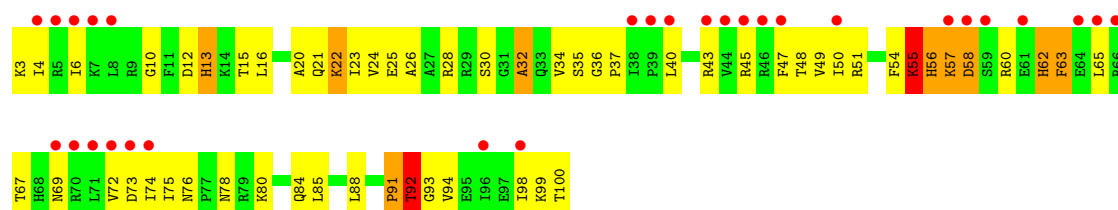
• Molecule 39: 30S ribosomal protein S9



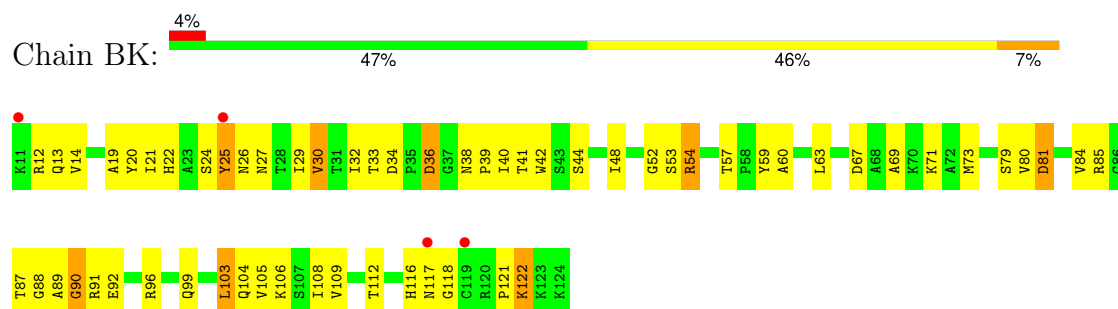
• Molecule 40: 30S ribosomal protein S10



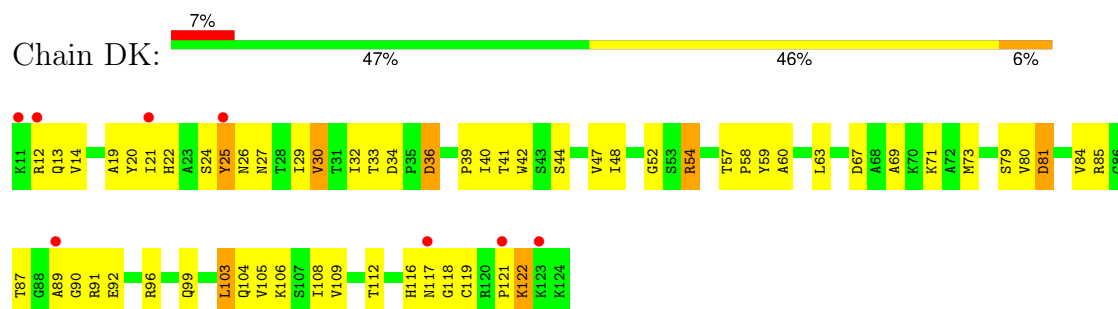
• Molecule 40: 30S ribosomal protein S10



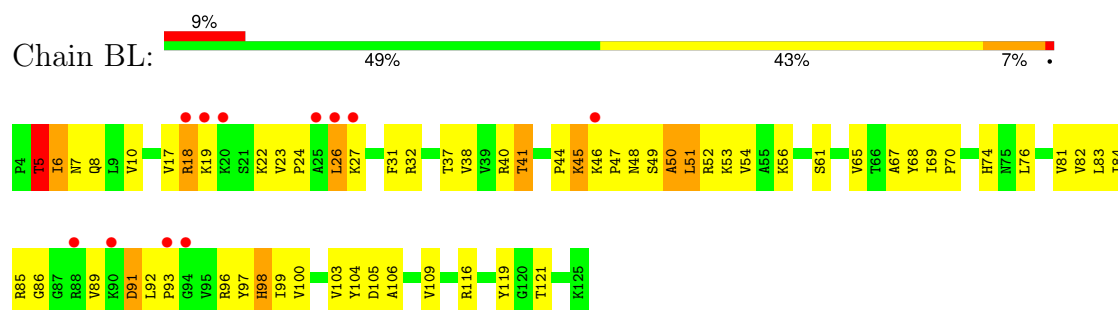
- Molecule 41: 30S ribosomal protein S11



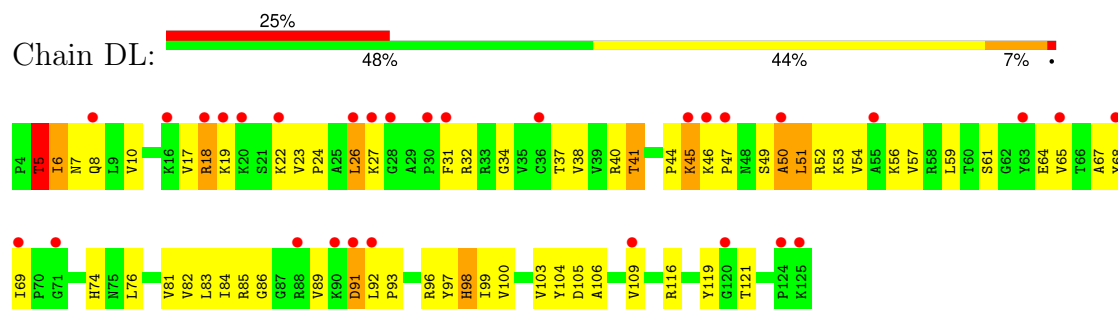
- Molecule 41: 30S ribosomal protein S11



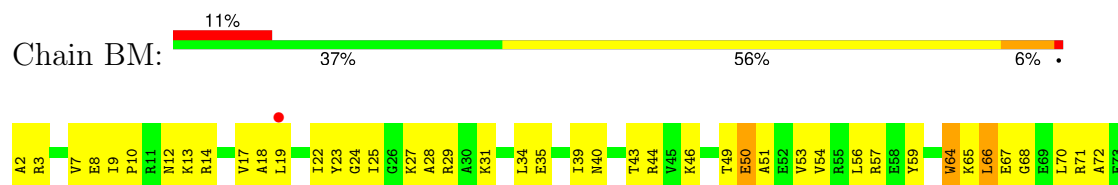
- Molecule 42: 30S ribosomal protein S12

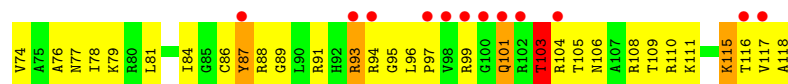


- Molecule 42: 30S ribosomal protein S12



- Molecule 43: 30S ribosomal protein S13

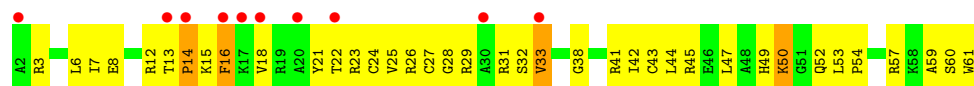




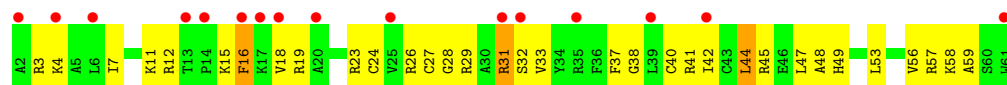
- Molecule 43: 30S ribosomal protein S13



- Molecule 44: 30S ribosomal protein S14



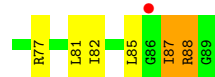
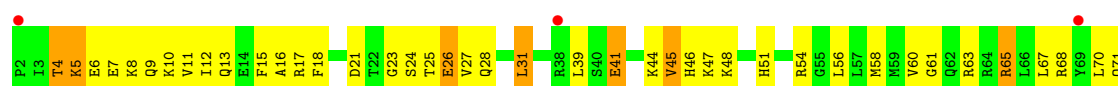
- Molecule 44: 30S ribosomal protein S14



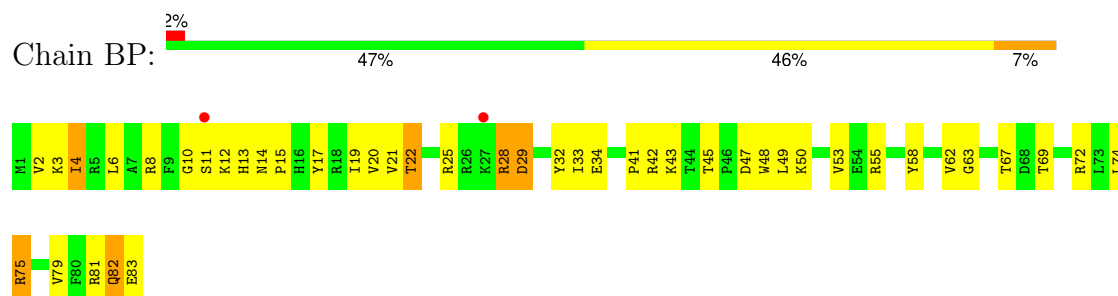
- Molecule 45: 30S ribosomal protein S15



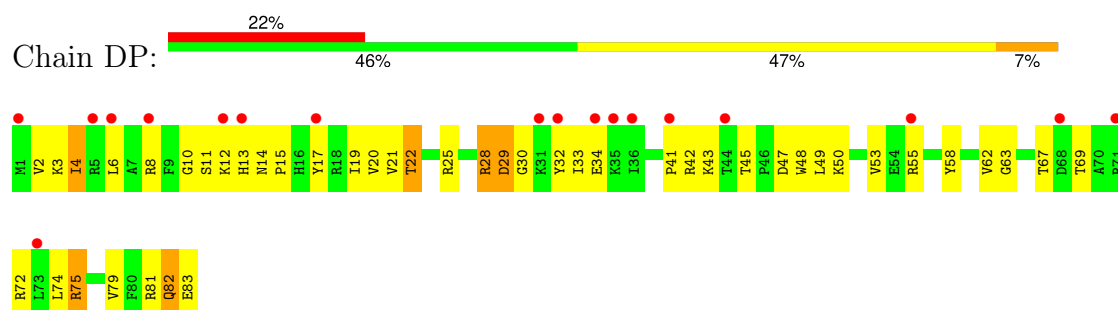
- Molecule 45: 30S ribosomal protein S15



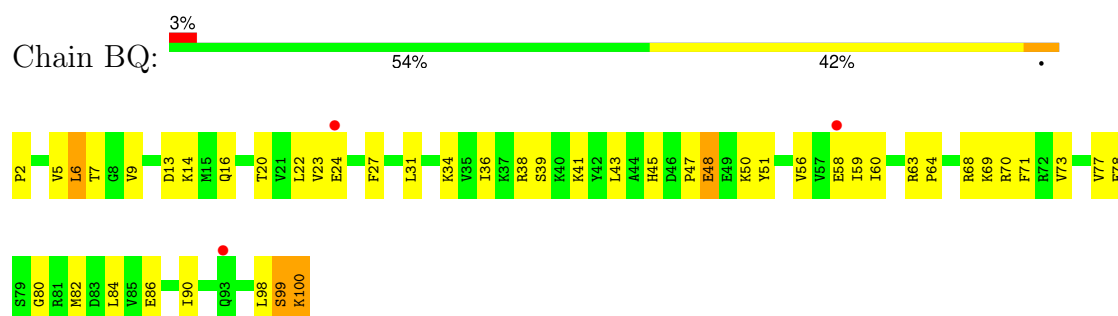
- Molecule 46: 30S ribosomal protein S16



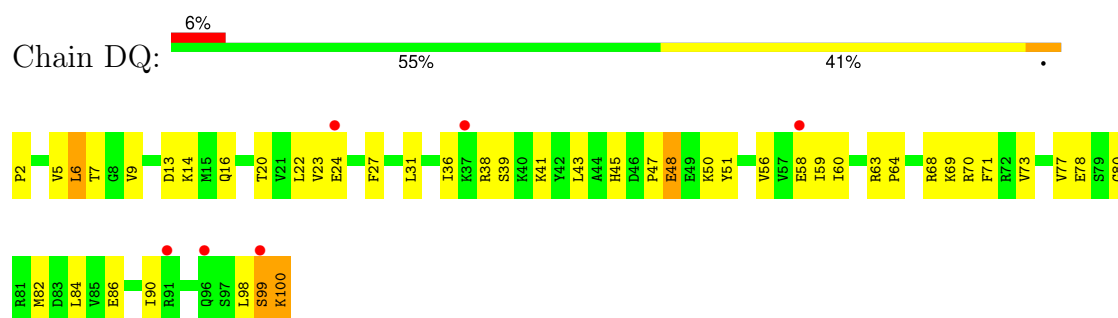
- Molecule 46: 30S ribosomal protein S16



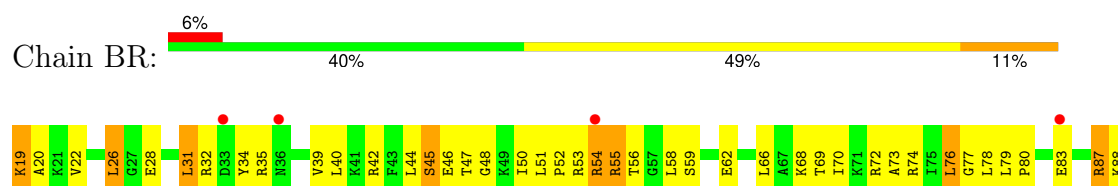
- Molecule 47: 30S ribosomal protein S17



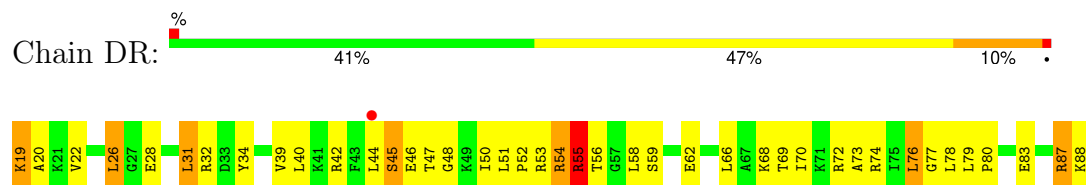
- Molecule 47: 30S ribosomal protein S17



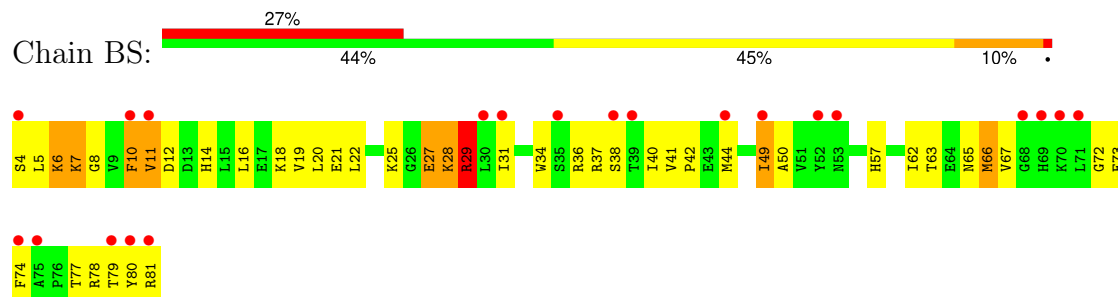
- Molecule 48: 30S ribosomal protein S18



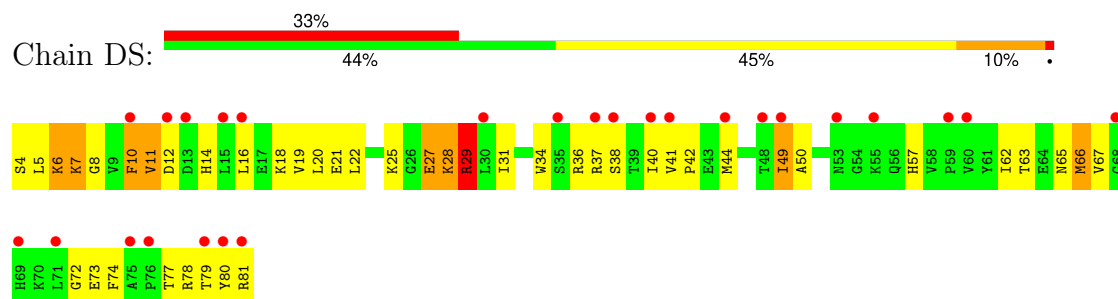
- Molecule 48: 30S ribosomal protein S18



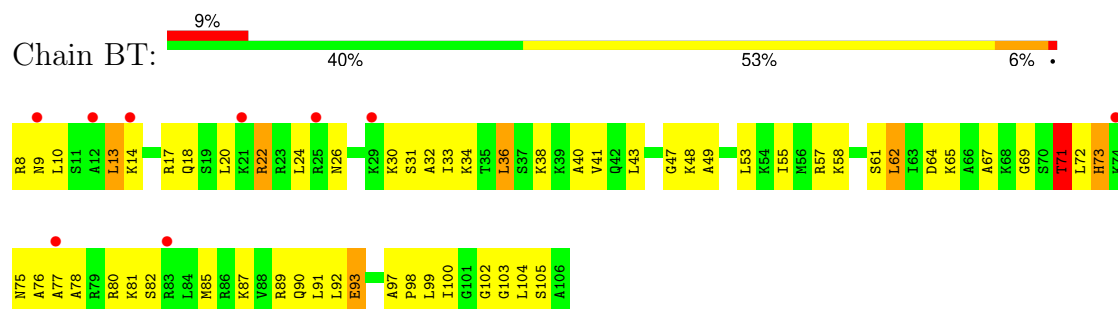
- Molecule 49: 30S ribosomal protein S19



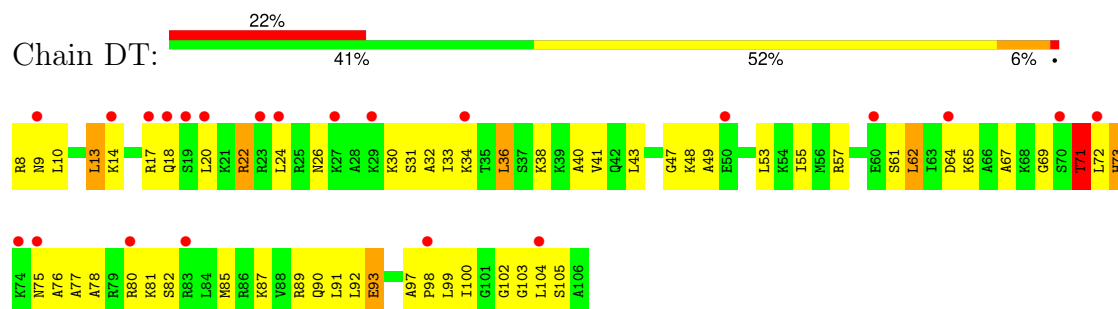
- Molecule 49: 30S ribosomal protein S19



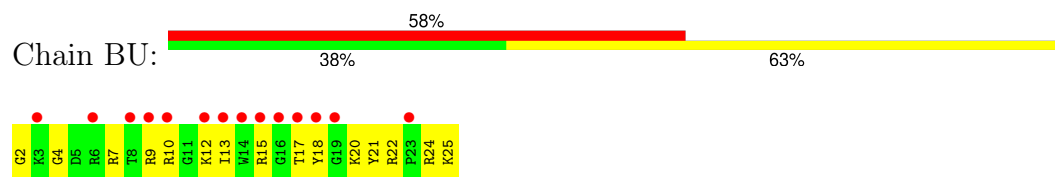
- Molecule 50: 30S ribosomal protein S20



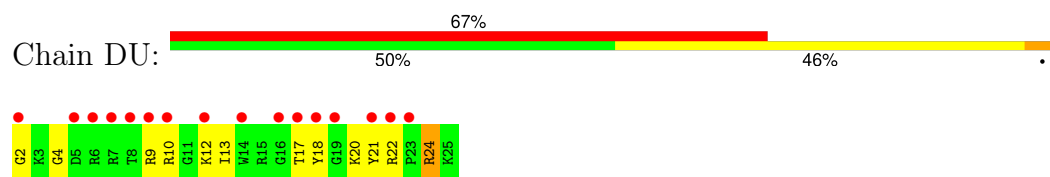
- Molecule 50: 30S ribosomal protein S20



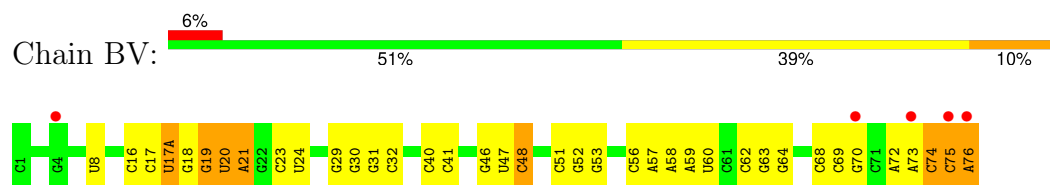
- Molecule 51: 30S ribosomal protein Thx



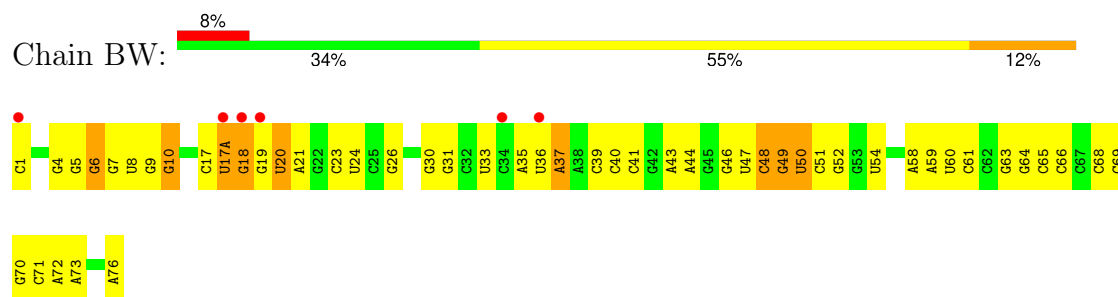
- Molecule 51: 30S ribosomal protein Thx



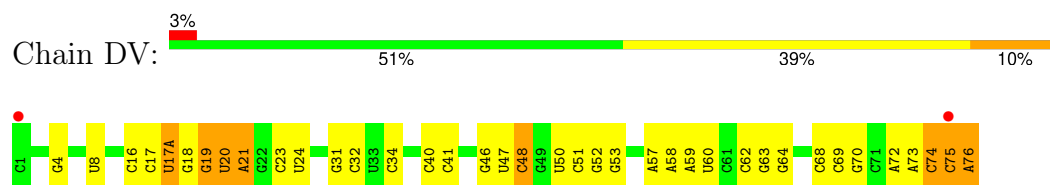
- Molecule 52: tRNA



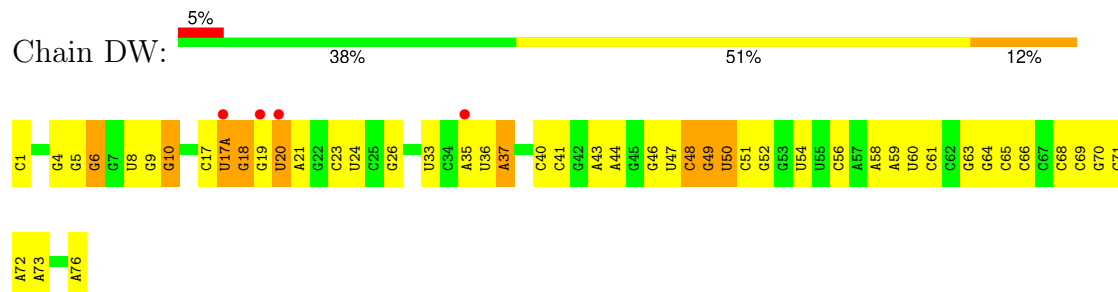
- Molecule 52: tRNA



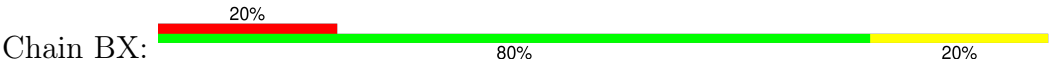
- Molecule 52: tRNA



- Molecule 52: tRNA



- Molecule 53: mRNA



● Molecule 53: mRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	211.53Å 454.44Å 620.87Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.98 – 3.40 49.98 – 3.40	Depositor EDS
% Data completeness (in resolution range)	99.8 (49.98-3.40) 99.8 (49.98-3.40)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.64 (at 3.41Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.6.4_486), CNS	Depositor
R, R_{free}	0.231 , 0.268 0.231 , 0.268	Depositor DCC
R_{free} test set	16213 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å ²)	82.8	Xtriage
Anisotropy	0.105	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.29 , 91.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.43$, $\langle L^2 \rangle = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	293113	wwPDB-VP
Average B, all atoms (Å ²)	94.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.61% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: BLS, ZN, MG

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	AA	0.34	1/68308 (0.0%)	0.64	11/106635 (0.0%)
1	CA	0.38	1/68308 (0.0%)	0.67	15/106635 (0.0%)
2	AB	0.31	1/2857 (0.0%)	0.52	0/4455
2	CB	0.32	1/2857 (0.0%)	0.53	0/4455
3	AD	0.31	0/2155	0.52	0/2905
3	CD	0.33	0/2155	0.53	0/2905
4	AE	0.27	0/1597	0.49	0/2153
4	CE	0.28	0/1597	0.49	0/2153
5	AF	0.27	0/1622	0.47	0/2194
5	CF	0.28	0/1622	0.47	0/2194
6	AG	0.22	0/1500	0.41	0/2017
6	CG	0.23	0/1500	0.41	0/2017
7	AH	0.22	0/1246	0.43	0/1682
7	CH	0.24	0/1246	0.44	0/1682
8	AI	0.22	0/1148	0.42	0/1552
8	CI	0.24	0/1148	0.43	0/1552
9	AJ	0.26	0/1124	0.49	0/1515
9	CJ	0.29	0/1124	0.50	0/1515
10	AK	0.28	0/942	0.46	0/1268
10	CK	0.28	0/942	0.46	0/1268
11	AL	0.31	0/1131	0.61	0/1504
11	CL	0.33	0/1131	0.62	0/1504
12	AM	0.28	0/1085	0.49	0/1449
12	CM	0.29	0/1085	0.49	0/1449
13	AN	0.28	0/974	0.47	0/1302
13	CN	0.28	0/974	0.48	0/1302
14	AO	0.24	0/779	0.43	0/1036
14	CO	0.25	0/779	0.43	0/1036
15	AP	0.27	0/1158	0.45	0/1544
15	CP	0.27	0/1158	0.45	0/1544
16	AQ	0.28	0/982	0.44	0/1306
16	CQ	0.30	0/982	0.45	0/1306

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	AR	0.29	0/790	0.51	0/1057
17	CR	0.31	0/790	0.52	0/1057
18	AS	0.28	0/902	0.46	0/1209
18	CS	0.30	0/902	0.47	0/1209
19	AT	0.29	0/740	0.46	0/993
19	CT	0.32	0/740	0.46	0/993
20	AU	0.30	0/789	0.46	0/1051
20	CU	0.31	0/789	0.47	0/1051
21	AV	0.22	0/1515	0.42	0/2056
21	CV	0.22	0/1515	0.42	0/2056
22	AW	0.28	0/613	0.47	0/816
22	CW	0.27	0/613	0.47	0/816
23	AX	0.32	0/702	0.56	0/932
23	CX	0.34	0/702	0.57	0/932
24	AY	0.27	0/523	0.49	0/690
24	CY	0.30	0/523	0.51	0/690
25	AZ	0.24	0/473	0.46	0/634
25	CZ	0.26	0/473	0.47	0/634
26	A1	0.20	0/229	0.42	0/309
26	C1	0.20	0/229	0.42	0/309
27	A2	0.28	0/419	0.52	0/567
27	C2	0.30	0/419	0.53	0/567
28	A3	0.21	0/388	0.44	0/518
28	C3	0.22	0/388	0.45	0/518
29	A4	0.31	0/427	0.50	0/561
29	C4	0.34	0/427	0.50	0/561
30	A5	0.32	0/516	0.52	0/679
30	C5	0.32	0/516	0.52	0/679
31	BA	0.28	1/36198 (0.0%)	0.55	0/56497
31	DA	0.27	1/36198 (0.0%)	0.55	0/56497
32	BB	0.22	0/1936	0.40	0/2609
32	DB	0.22	0/1936	0.40	0/2609
33	BC	0.22	0/1637	0.40	0/2205
33	DC	0.21	0/1637	0.40	0/2205
34	BD	0.27	0/1733	0.45	0/2318
34	DD	0.25	0/1733	0.42	0/2318
35	BE	0.24	0/1172	0.43	0/1576
35	DE	0.24	0/1172	0.42	0/1576
36	BF	0.24	0/856	0.43	0/1154
36	DF	0.25	0/856	0.44	0/1154
37	BG	0.22	0/1276	0.36	0/1709
37	DG	0.22	0/1276	0.37	0/1709
38	BH	0.23	0/1136	0.44	0/1527

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	DH	0.23	0/1136	0.44	0/1527
39	BI	0.22	0/1029	0.39	0/1378
39	DI	0.22	0/1029	0.39	0/1378
40	BJ	0.21	0/808	0.41	0/1085
40	DJ	0.21	0/808	0.41	0/1085
41	BK	0.23	0/857	0.44	0/1157
41	DK	0.23	0/857	0.44	0/1157
42	BL	0.25	0/973	0.46	0/1301
42	DL	0.25	0/973	0.46	0/1301
43	BM	0.21	0/944	0.41	0/1265
43	DM	0.21	0/944	0.41	0/1265
44	BN	0.24	0/501	0.39	0/664
44	DN	0.23	0/501	0.42	0/664
45	BO	0.25	0/745	0.40	0/992
45	DO	0.25	0/745	0.40	0/992
46	BP	0.26	0/717	0.45	0/963
46	DP	0.23	0/717	0.45	0/963
47	BQ	0.25	0/837	0.42	0/1117
47	DQ	0.25	0/837	0.42	0/1117
48	BR	0.24	0/579	0.44	0/768
48	DR	0.25	0/579	0.44	0/768
49	BS	0.20	0/643	0.40	0/865
49	DS	0.20	0/643	0.40	0/865
50	BT	0.24	0/764	0.42	0/1006
50	DT	0.22	0/764	0.41	0/1006
51	BU	0.20	0/213	0.37	0/277
51	DU	0.20	0/213	0.37	0/277
52	BV	0.21	0/1832	0.48	0/2855
52	BW	0.17	0/1832	0.44	0/2855
52	DV	0.21	0/1832	0.49	0/2855
52	DW	0.17	0/1832	0.44	0/2855
53	BX	0.26	0/122	0.47	0/188
53	DX	0.29	0/122	0.48	0/188
All	All	0.31	6/313948 (0.0%)	0.58	26/469840 (0.0%)

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
13	AN	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
13	CN	0	1
All	All	0	2

The worst 5 of 6 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	BA	5	U	OP3-P	-10.80	1.48	1.61
31	DA	5	U	OP3-P	-10.71	1.48	1.61
2	AB	1	U	OP3-P	-10.65	1.48	1.61
2	CB	1	U	OP3-P	-10.63	1.48	1.61
1	CA	6	A	OP3-P	-10.61	1.48	1.61

The worst 5 of 26 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	AA	1420	U	C2-N1-C1'	6.88	125.96	117.70
1	CA	1420	U	C2-N1-C1'	6.84	125.91	117.70
1	CA	1420	U	C6-N1-C1'	-6.61	111.95	121.20
1	AA	1420	U	C6-N1-C1'	-6.57	112.00	121.20
1	CA	2593	U	N3-C4-C5	-6.13	110.92	114.60

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
13	AN	10	LEU	Peptide
13	CN	10	LEU	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	AA	60991	0	30744	1335	0
1	CA	60991	0	30744	1337	0
2	AB	2555	0	1294	52	0
2	CB	2555	0	1294	59	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	AD	2105	0	2182	184	0
3	CD	2105	0	2182	187	0
4	AE	1564	0	1629	103	0
4	CE	1564	0	1629	115	0
5	AF	1587	0	1632	102	0
5	CF	1587	0	1632	102	0
6	AG	1475	0	1537	127	0
6	CG	1475	0	1537	127	0
7	AH	1223	0	1282	65	0
7	CH	1223	0	1282	65	0
8	AI	1133	0	1220	75	0
8	CI	1133	0	1220	87	0
9	AJ	1097	0	1168	80	0
9	CJ	1097	0	1168	82	0
10	AK	932	0	994	50	0
10	CK	932	0	994	48	0
11	AL	1114	0	1187	196	0
11	CL	1114	0	1187	203	0
12	AM	1065	0	1114	93	0
12	CM	1065	0	1114	97	0
13	AN	960	0	1021	81	0
13	CN	960	0	1021	76	0
14	AO	771	0	832	62	0
14	CO	771	0	832	66	0
15	AP	1144	0	1211	75	0
15	CP	1144	0	1211	91	0
16	AQ	964	0	1022	77	0
16	CQ	964	0	1022	79	0
17	AR	779	0	852	79	0
17	CR	779	0	852	82	0
18	AS	891	0	951	50	0
18	CS	891	0	951	58	0
19	AT	726	0	778	60	0
19	CT	726	0	778	59	0
20	AU	776	0	870	94	0
20	CU	776	0	870	93	0
21	AV	1483	0	1507	88	0
21	CV	1483	0	1507	92	0
22	AW	605	0	628	28	0
22	CW	605	0	628	27	0
23	AX	695	0	764	85	0
23	CX	695	0	764	88	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
24	AY	521	0	575	62	0
24	CY	521	0	575	67	0
25	AZ	468	0	523	23	0
25	CZ	468	0	523	25	0
26	A1	226	0	225	22	0
26	C1	226	0	225	22	0
27	A2	405	0	420	43	0
27	C2	405	0	420	44	0
28	A3	381	0	391	33	0
28	C3	381	0	391	34	0
29	A4	419	0	467	29	0
29	C4	419	0	467	29	0
30	A5	508	0	576	64	0
30	C5	508	0	576	64	0
31	BA	32336	0	16317	778	0
31	DA	32336	0	16317	795	0
32	BB	1901	0	1951	125	0
32	DB	1901	0	1951	124	0
33	BC	1613	0	1677	117	0
33	DC	1613	0	1677	112	0
34	BD	1703	0	1764	135	0
34	DD	1703	0	1764	168	0
35	BE	1156	0	1213	73	0
35	DE	1156	0	1213	78	0
36	BF	843	0	857	62	0
36	DF	843	0	857	64	0
37	BG	1257	0	1296	52	0
37	DG	1257	0	1296	53	0
38	BH	1116	0	1177	67	0
38	DH	1116	0	1177	65	0
39	BI	1011	0	1043	95	0
39	DI	1011	0	1043	93	0
40	BJ	795	0	840	62	0
40	DJ	795	0	840	65	0
41	BK	843	0	859	54	0
41	DK	843	0	859	58	0
42	BL	957	0	1046	68	0
42	DL	957	0	1046	67	0
43	BM	934	0	992	76	0
43	DM	934	0	992	79	0
44	BN	492	0	531	46	0
44	DN	492	0	531	36	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
45	BO	734	0	771	45	0
45	DO	734	0	771	42	0
46	BP	701	0	720	51	0
46	DP	701	0	720	54	0
47	BQ	824	0	893	42	0
47	DQ	824	0	893	42	0
48	BR	574	0	644	47	0
48	DR	574	0	644	47	0
49	BS	630	0	652	57	0
49	DS	630	0	652	56	0
50	BT	762	0	859	45	0
50	DT	762	0	859	46	0
51	BU	209	0	221	19	0
51	DU	209	0	221	14	0
52	BV	1640	0	837	41	0
52	BW	1640	0	837	52	0
52	DV	1640	0	837	40	0
52	DW	1640	0	837	46	0
53	BX	109	0	55	0	0
53	DX	109	0	55	1	0
54	AA	30	0	24	6	0
54	CA	30	0	24	6	0
55	A3	3	0	0	0	0
55	A4	5	0	0	0	0
55	A5	2	0	0	0	0
55	AA	1296	0	0	0	0
55	AB	50	0	0	0	0
55	AD	4	0	0	0	0
55	AE	4	0	0	0	0
55	AF	6	0	0	0	0
55	AG	2	0	0	0	0
55	AJ	1	0	0	0	0
55	AK	2	0	0	0	0
55	AL	2	0	0	0	0
55	AM	3	0	0	0	0
55	AN	4	0	0	0	0
55	AO	1	0	0	0	0
55	AP	2	0	0	0	0
55	AR	5	0	0	0	0
55	AS	6	0	0	0	0
55	AV	2	0	0	0	0
55	AX	6	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	AY	1	0	0	0	0
55	BA	570	0	0	0	0
55	BB	2	0	0	0	0
55	BC	3	0	0	0	0
55	BE	5	0	0	0	0
55	BG	2	0	0	0	0
55	BH	1	0	0	0	0
55	BI	2	0	0	0	0
55	BL	2	0	0	0	0
55	BO	1	0	0	0	0
55	BP	1	0	0	0	0
55	BQ	2	0	0	0	0
55	BR	1	0	0	0	0
55	BT	1	0	0	0	0
55	BU	1	0	0	0	0
55	BV	30	0	0	0	0
55	BW	19	0	0	0	0
55	C2	2	0	0	0	0
55	C3	2	0	0	0	0
55	C4	4	0	0	0	0
55	C5	3	0	0	0	0
55	CA	1504	0	0	0	0
55	CB	65	0	0	0	0
55	CD	6	0	0	0	0
55	CE	6	0	0	0	0
55	CF	7	0	0	0	0
55	CG	1	0	0	0	0
55	CI	1	0	0	0	0
55	CJ	2	0	0	0	0
55	CK	2	0	0	0	0
55	CL	7	0	0	0	0
55	CN	3	0	0	0	0
55	CO	1	0	0	0	0
55	CP	1	0	0	0	0
55	CQ	5	0	0	0	0
55	CR	2	0	0	0	0
55	CS	4	0	0	0	0
55	CT	1	0	0	0	0
55	CV	4	0	0	0	0
55	CW	4	0	0	0	0
55	CX	3	0	0	0	0
55	CY	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	DA	604	0	0	0	0
55	DD	2	0	0	0	0
55	DE	2	0	0	0	0
55	DG	1	0	0	0	0
55	DH	3	0	0	0	0
55	DI	1	0	0	0	0
55	DJ	1	0	0	0	0
55	DK	1	0	0	0	0
55	DL	2	0	0	0	0
55	DM	1	0	0	0	0
55	DO	2	0	0	0	0
55	DQ	1	0	0	0	0
55	DR	2	0	0	0	0
55	DT	1	0	0	0	0
55	DV	24	0	0	0	0
55	DW	22	0	0	0	0
55	DX	1	0	0	0	0
56	BD	1	0	0	0	0
56	BN	1	0	0	0	0
56	DD	1	0	0	0	0
56	DN	1	0	0	0	0
All	All	293113	0	195344	10300	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 21.

The worst 5 of 10300 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:AA:1541:U:H3'	1:AA:1542:G:H3'	1.16	1.16
1:CA:2502:G:H5'	1:CA:2503:A:H5''	1.29	1.14
1:AA:2502:G:H5'	1:AA:2503:A:H5''	1.28	1.14
1:CA:1541:U:H3'	1:CA:1542:G:H3'	1.16	1.12
1:CA:2303:G:H2'	1:CA:2304:G:H5''	1.33	1.10

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

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	AD	269/271 (99%)	220 (82%)	35 (13%)	14 (5%)	1	10
3	CD	269/271 (99%)	220 (82%)	35 (13%)	14 (5%)	1	10
4	AE	202/204 (99%)	164 (81%)	27 (13%)	11 (5%)	1	10
4	CE	202/204 (99%)	164 (81%)	27 (13%)	11 (5%)	1	10
5	AF	200/202 (99%)	168 (84%)	24 (12%)	8 (4%)	2	15
5	CF	200/202 (99%)	167 (84%)	25 (12%)	8 (4%)	2	15
6	AG	179/181 (99%)	128 (72%)	38 (21%)	13 (7%)	1	5
6	CG	179/181 (99%)	129 (72%)	36 (20%)	14 (8%)	1	5
7	AH	157/159 (99%)	122 (78%)	29 (18%)	6 (4%)	2	15
7	CH	157/159 (99%)	122 (78%)	29 (18%)	6 (4%)	2	15
8	AI	143/145 (99%)	120 (84%)	22 (15%)	1 (1%)	19	47
8	CI	143/145 (99%)	121 (85%)	21 (15%)	1 (1%)	19	47
9	AJ	135/137 (98%)	104 (77%)	21 (16%)	10 (7%)	1	5
9	CJ	135/137 (98%)	104 (77%)	21 (16%)	10 (7%)	1	5
10	AK	120/122 (98%)	107 (89%)	10 (8%)	3 (2%)	4	22
10	CK	120/122 (98%)	107 (89%)	9 (8%)	4 (3%)	3	18
11	AL	144/146 (99%)	89 (62%)	35 (24%)	20 (14%)	0	1
11	CL	144/146 (99%)	89 (62%)	34 (24%)	21 (15%)	0	1
12	AM	132/134 (98%)	96 (73%)	21 (16%)	15 (11%)	0	2
12	CM	132/134 (98%)	96 (73%)	22 (17%)	14 (11%)	0	3
13	AN	115/117 (98%)	92 (80%)	15 (13%)	8 (7%)	1	6
13	CN	115/117 (98%)	92 (80%)	15 (13%)	8 (7%)	1	6
14	AO	96/98 (98%)	65 (68%)	23 (24%)	8 (8%)	0	4
14	CO	96/98 (98%)	65 (68%)	22 (23%)	9 (9%)	0	3
15	AP	135/137 (98%)	105 (78%)	22 (16%)	8 (6%)	1	8

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
15	CP	135/137 (98%)	104 (77%)	23 (17%)	8 (6%)	1	8
16	AQ	115/117 (98%)	102 (89%)	10 (9%)	3 (3%)	4	22
16	CQ	115/117 (98%)	102 (89%)	10 (9%)	3 (3%)	4	22
17	AR	99/101 (98%)	79 (80%)	16 (16%)	4 (4%)	2	15
17	CR	99/101 (98%)	78 (79%)	17 (17%)	4 (4%)	2	15
18	AS	110/112 (98%)	102 (93%)	8 (7%)	0	100	100
18	CS	110/112 (98%)	99 (90%)	11 (10%)	0	100	100
19	AT	90/92 (98%)	76 (84%)	12 (13%)	2 (2%)	5	24
19	CT	90/92 (98%)	75 (83%)	13 (14%)	2 (2%)	5	24
20	AU	98/100 (98%)	63 (64%)	23 (24%)	12 (12%)	0	2
20	CU	98/100 (98%)	65 (66%)	21 (21%)	12 (12%)	0	2
21	AV	185/187 (99%)	159 (86%)	19 (10%)	7 (4%)	2	15
21	CV	185/187 (99%)	159 (86%)	19 (10%)	7 (4%)	2	15
22	AW	74/76 (97%)	59 (80%)	13 (18%)	2 (3%)	4	21
22	CW	74/76 (97%)	59 (80%)	13 (18%)	2 (3%)	4	21
23	AX	86/88 (98%)	56 (65%)	19 (22%)	11 (13%)	0	1
23	CX	86/88 (98%)	56 (65%)	19 (22%)	11 (13%)	0	1
24	AY	60/62 (97%)	47 (78%)	8 (13%)	5 (8%)	0	4
24	CY	60/62 (97%)	47 (78%)	8 (13%)	5 (8%)	0	4
25	AZ	57/59 (97%)	52 (91%)	4 (7%)	1 (2%)	7	27
25	CZ	57/59 (97%)	52 (91%)	4 (7%)	1 (2%)	7	27
26	A1	28/30 (93%)	13 (46%)	13 (46%)	2 (7%)	1	6
26	C1	28/30 (93%)	13 (46%)	13 (46%)	2 (7%)	1	6
27	A2	50/52 (96%)	45 (90%)	3 (6%)	2 (4%)	2	15
27	C2	50/52 (96%)	45 (90%)	3 (6%)	2 (4%)	2	15
28	A3	42/44 (96%)	26 (62%)	12 (29%)	4 (10%)	0	3
28	C3	42/44 (96%)	26 (62%)	12 (29%)	4 (10%)	0	3
29	A4	46/48 (96%)	44 (96%)	1 (2%)	1 (2%)	5	24
29	C4	46/48 (96%)	44 (96%)	1 (2%)	1 (2%)	5	24
30	A5	61/63 (97%)	46 (75%)	9 (15%)	6 (10%)	0	3
30	C5	61/63 (97%)	46 (75%)	9 (15%)	6 (10%)	0	3

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
32	BB	232/234 (99%)	183 (79%)	36 (16%)	13 (6%)	1	10
32	DB	232/234 (99%)	183 (79%)	36 (16%)	13 (6%)	1	10
33	BC	204/206 (99%)	159 (78%)	28 (14%)	17 (8%)	0	4
33	DC	204/206 (99%)	158 (78%)	28 (14%)	18 (9%)	0	4
34	BD	206/208 (99%)	161 (78%)	34 (16%)	11 (5%)	1	10
34	DD	206/208 (99%)	161 (78%)	34 (16%)	11 (5%)	1	10
35	BE	149/151 (99%)	120 (80%)	26 (17%)	3 (2%)	6	25
35	DE	149/151 (99%)	120 (80%)	25 (17%)	4 (3%)	4	21
36	BF	99/101 (98%)	88 (89%)	10 (10%)	1 (1%)	13	39
36	DF	99/101 (98%)	89 (90%)	9 (9%)	1 (1%)	13	39
37	BG	153/155 (99%)	131 (86%)	17 (11%)	5 (3%)	3	18
37	DG	153/155 (99%)	131 (86%)	15 (10%)	7 (5%)	2	12
38	BH	136/138 (99%)	114 (84%)	20 (15%)	2 (2%)	8	30
38	DH	136/138 (99%)	113 (83%)	21 (15%)	2 (2%)	8	30
39	BI	125/127 (98%)	92 (74%)	25 (20%)	8 (6%)	1	7
39	DI	125/127 (98%)	92 (74%)	25 (20%)	8 (6%)	1	7
40	BJ	96/98 (98%)	80 (83%)	11 (12%)	5 (5%)	1	10
40	DJ	96/98 (98%)	80 (83%)	11 (12%)	5 (5%)	1	10
41	BK	112/114 (98%)	93 (83%)	15 (13%)	4 (4%)	3	16
41	DK	112/114 (98%)	94 (84%)	14 (12%)	4 (4%)	3	16
42	BL	120/122 (98%)	94 (78%)	22 (18%)	4 (3%)	3	18
42	DL	120/122 (98%)	93 (78%)	23 (19%)	4 (3%)	3	18
43	BM	115/117 (98%)	97 (84%)	15 (13%)	3 (3%)	4	22
43	DM	115/117 (98%)	97 (84%)	15 (13%)	3 (3%)	4	22
44	BN	58/60 (97%)	47 (81%)	8 (14%)	3 (5%)	1	10
44	DN	58/60 (97%)	43 (74%)	12 (21%)	3 (5%)	1	10
45	BO	86/88 (98%)	75 (87%)	9 (10%)	2 (2%)	5	23
45	DO	86/88 (98%)	74 (86%)	10 (12%)	2 (2%)	5	23
46	BP	81/83 (98%)	65 (80%)	13 (16%)	3 (4%)	2	16
46	DP	81/83 (98%)	66 (82%)	12 (15%)	3 (4%)	2	16
47	BQ	97/99 (98%)	82 (84%)	12 (12%)	3 (3%)	3	18

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
47	DQ	97/99 (98%)	80 (82%)	14 (14%)	3 (3%)	3	18
48	BR	68/70 (97%)	55 (81%)	8 (12%)	5 (7%)	1	5
48	DR	68/70 (97%)	55 (81%)	8 (12%)	5 (7%)	1	5
49	BS	76/78 (97%)	57 (75%)	12 (16%)	7 (9%)	0	4
49	DS	76/78 (97%)	58 (76%)	11 (14%)	7 (9%)	0	4
50	BT	97/99 (98%)	75 (77%)	16 (16%)	6 (6%)	1	8
50	DT	97/99 (98%)	75 (77%)	16 (16%)	6 (6%)	1	8
51	BU	22/24 (92%)	16 (73%)	5 (23%)	1 (4%)	2	13
51	DU	22/24 (92%)	16 (73%)	5 (23%)	1 (4%)	2	13
All	All	11120/11312 (98%)	8857 (80%)	1670 (15%)	593 (5%)	1	10

5 of 593 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	AD	33	LEU
3	AD	40	THR
3	AD	59	LYS
3	AD	239	ARG
4	AE	86	PRO

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	AD	213/213 (100%)	187 (88%)	26 (12%)	4	15
3	CD	213/213 (100%)	188 (88%)	25 (12%)	4	16
4	AE	165/165 (100%)	147 (89%)	18 (11%)	5	19
4	CE	165/165 (100%)	147 (89%)	18 (11%)	5	19
5	AF	161/161 (100%)	143 (89%)	18 (11%)	5	18
5	CF	161/161 (100%)	143 (89%)	18 (11%)	5	18
6	AG	155/155 (100%)	138 (89%)	17 (11%)	5	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
6	CG	155/155 (100%)	137 (88%)	18 (12%)	4	17
7	AH	132/132 (100%)	119 (90%)	13 (10%)	6	23
7	CH	132/132 (100%)	119 (90%)	13 (10%)	6	23
8	AI	122/122 (100%)	107 (88%)	15 (12%)	4	14
8	CI	122/122 (100%)	107 (88%)	15 (12%)	4	14
9	AJ	116/116 (100%)	103 (89%)	13 (11%)	5	18
9	CJ	116/116 (100%)	102 (88%)	14 (12%)	4	15
10	AK	100/100 (100%)	91 (91%)	9 (9%)	8	27
10	CK	100/100 (100%)	91 (91%)	9 (9%)	8	27
11	AL	112/112 (100%)	86 (77%)	26 (23%)	0	2
11	CL	112/112 (100%)	86 (77%)	26 (23%)	0	2
12	AM	105/105 (100%)	92 (88%)	13 (12%)	4	14
12	CM	105/105 (100%)	92 (88%)	13 (12%)	4	14
13	AN	100/100 (100%)	86 (86%)	14 (14%)	3	11
13	CN	100/100 (100%)	86 (86%)	14 (14%)	3	11
14	AO	77/77 (100%)	64 (83%)	13 (17%)	1	6
14	CO	77/77 (100%)	64 (83%)	13 (17%)	1	6
15	AP	121/121 (100%)	102 (84%)	19 (16%)	2	8
15	CP	121/121 (100%)	102 (84%)	19 (16%)	2	8
16	AQ	93/93 (100%)	84 (90%)	9 (10%)	6	24
16	CQ	93/93 (100%)	85 (91%)	8 (9%)	8	29
17	AR	82/82 (100%)	67 (82%)	15 (18%)	1	5
17	CR	82/82 (100%)	66 (80%)	16 (20%)	1	3
18	AS	91/91 (100%)	82 (90%)	9 (10%)	6	23
18	CS	91/91 (100%)	81 (89%)	10 (11%)	5	19
19	AT	74/74 (100%)	66 (89%)	8 (11%)	5	20
19	CT	74/74 (100%)	66 (89%)	8 (11%)	5	20
20	AU	84/84 (100%)	70 (83%)	14 (17%)	2	7
20	CU	84/84 (100%)	70 (83%)	14 (17%)	2	7
21	AV	162/162 (100%)	152 (94%)	10 (6%)	15	40
21	CV	162/162 (100%)	152 (94%)	10 (6%)	15	40

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
22	AW	61/61 (100%)	55 (90%)	6 (10%)	6	23
22	CW	61/61 (100%)	55 (90%)	6 (10%)	6	23
23	AX	73/73 (100%)	65 (89%)	8 (11%)	5	19
23	CX	73/73 (100%)	64 (88%)	9 (12%)	4	14
24	AY	58/58 (100%)	51 (88%)	7 (12%)	4	15
24	CY	58/58 (100%)	51 (88%)	7 (12%)	4	15
25	AZ	51/51 (100%)	45 (88%)	6 (12%)	4	16
25	CZ	51/51 (100%)	45 (88%)	6 (12%)	4	16
26	A1	27/27 (100%)	24 (89%)	3 (11%)	5	18
26	C1	27/27 (100%)	24 (89%)	3 (11%)	5	18
27	A2	45/45 (100%)	40 (89%)	5 (11%)	5	18
27	C2	45/45 (100%)	40 (89%)	5 (11%)	5	18
28	A3	43/43 (100%)	40 (93%)	3 (7%)	12	37
28	C3	43/43 (100%)	40 (93%)	3 (7%)	12	37
29	A4	41/41 (100%)	33 (80%)	8 (20%)	1	3
29	C4	41/41 (100%)	33 (80%)	8 (20%)	1	3
30	A5	53/53 (100%)	49 (92%)	4 (8%)	11	35
30	C5	53/53 (100%)	49 (92%)	4 (8%)	11	35
32	BB	202/202 (100%)	184 (91%)	18 (9%)	8	27
32	DB	202/202 (100%)	184 (91%)	18 (9%)	8	27
33	BC	160/160 (100%)	144 (90%)	16 (10%)	6	22
33	DC	160/160 (100%)	144 (90%)	16 (10%)	6	22
34	BD	180/180 (100%)	156 (87%)	24 (13%)	3	12
34	DD	180/180 (100%)	159 (88%)	21 (12%)	4	16
35	BE	116/116 (100%)	103 (89%)	13 (11%)	5	18
35	DE	116/116 (100%)	104 (90%)	12 (10%)	6	22
36	BF	90/90 (100%)	78 (87%)	12 (13%)	3	12
36	DF	90/90 (100%)	78 (87%)	12 (13%)	3	12
37	BG	126/126 (100%)	120 (95%)	6 (5%)	21	48
37	DG	126/126 (100%)	120 (95%)	6 (5%)	21	48
38	BH	119/119 (100%)	105 (88%)	14 (12%)	4	16

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
38	DH	119/119 (100%)	105 (88%)	14 (12%)	4	16
39	BI	98/98 (100%)	87 (89%)	11 (11%)	5	18
39	DI	98/98 (100%)	87 (89%)	11 (11%)	5	18
40	BJ	88/88 (100%)	79 (90%)	9 (10%)	6	22
40	DJ	88/88 (100%)	79 (90%)	9 (10%)	6	22
41	BK	86/86 (100%)	77 (90%)	9 (10%)	5	21
41	DK	86/86 (100%)	77 (90%)	9 (10%)	5	21
42	BL	103/103 (100%)	93 (90%)	10 (10%)	6	24
42	DL	103/103 (100%)	93 (90%)	10 (10%)	6	24
43	BM	94/94 (100%)	83 (88%)	11 (12%)	4	16
43	DM	94/94 (100%)	83 (88%)	11 (12%)	4	16
44	BN	49/49 (100%)	46 (94%)	3 (6%)	15	40
44	DN	49/49 (100%)	46 (94%)	3 (6%)	15	40
45	BO	79/79 (100%)	69 (87%)	10 (13%)	3	14
45	DO	79/79 (100%)	69 (87%)	10 (13%)	3	14
46	BP	72/72 (100%)	65 (90%)	7 (10%)	6	24
46	DP	72/72 (100%)	65 (90%)	7 (10%)	6	24
47	BQ	94/94 (100%)	90 (96%)	4 (4%)	25	50
47	DQ	94/94 (100%)	90 (96%)	4 (4%)	25	50
48	BR	61/61 (100%)	56 (92%)	5 (8%)	9	31
48	DR	61/61 (100%)	55 (90%)	6 (10%)	6	23
49	BS	69/69 (100%)	61 (88%)	8 (12%)	4	17
49	DS	69/69 (100%)	61 (88%)	8 (12%)	4	17
50	BT	76/76 (100%)	68 (90%)	8 (10%)	5	21
50	DT	76/76 (100%)	68 (90%)	8 (10%)	5	21
51	BU	19/19 (100%)	19 (100%)	0	100	100
51	DU	19/19 (100%)	19 (100%)	0	100	100
All	All	9396/9396 (100%)	8342 (89%)	1054 (11%)	5	18

5 of 1054 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
36	DF	7	ASN

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Mol	Chain	Res	Type
38	DH	119	LEU
35	DE	147	ASP
49	DS	10	PHE
35	BE	20	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 216 such sidechains are listed below:

Mol	Chain	Res	Type
3	CD	198	ASN
15	CP	79	HIS
41	DK	117	ASN
5	CF	40	GLN
9	CJ	151	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	2830/2879 (98%)	442 (15%)	15 (0%)
1	CA	2830/2879 (98%)	441 (15%)	15 (0%)
2	AB	118/119 (99%)	9 (7%)	0
2	CB	118/119 (99%)	9 (7%)	0
31	BA	1504/1504 (100%)	204 (13%)	12 (0%)
31	DA	1504/1504 (100%)	205 (13%)	12 (0%)
52	BV	76/77 (98%)	11 (14%)	0
52	BW	76/77 (98%)	12 (15%)	1 (1%)
52	DV	76/77 (98%)	11 (14%)	0
52	DW	76/77 (98%)	12 (15%)	1 (1%)
53	BX	4/5 (80%)	1 (25%)	0
53	DX	4/5 (80%)	1 (25%)	0
All	All	9216/9322 (98%)	1358 (14%)	56 (0%)

5 of 1358 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	11	G
1	AA	34	C
1	AA	35	G
1	AA	46	C
1	AA	49	A

5 of 56 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	CA	34	C
52	DW	17(A)	U
1	CA	1379	A
31	DA	1504	G
31	DA	560	U

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

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 4369 ligands modelled in this entry, 4367 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	BLS	CA	4405	-	28,31,31	3.09	10 (35%)	26,43,43	2.36	9 (34%)
54	BLS	AA	4001	-	28,31,31	3.09	10 (35%)	26,43,43	2.41	7 (26%)

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
54	BLS	CA	4405	-	-	9/21/38/38	0/2/2/2
54	BLS	AA	4001	-	-	9/21/38/38	0/2/2/2

The worst 5 of 20 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	AA	4001	BLS	C14-N12	8.93	1.54	1.35
54	CA	4405	BLS	C14-N12	8.87	1.54	1.35
54	AA	4001	BLS	C7-N6	7.13	1.49	1.34
54	CA	4405	BLS	C7-N6	7.07	1.49	1.34
54	AA	4001	BLS	C11-N12	4.80	1.56	1.47

The worst 5 of 16 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	AA	4001	BLS	C1'-C2'-C3'	-8.92	111.48	122.45
54	CA	4405	BLS	C1'-C2'-C3'	-8.51	111.98	122.45
54	AA	4001	BLS	O3-C6'-C5'	-3.18	109.32	120.81
54	CA	4405	BLS	O3-C6'-C5'	-2.95	110.18	120.81
54	AA	4001	BLS	C4-N3-C2	2.91	119.29	116.34

There are no chirality outliers.

5 of 18 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
54	AA	4001	BLS	C10-C11-N12-C13
54	AA	4001	BLS	C10-C11-N12-C14
54	CA	4405	BLS	C10-C11-N12-C13
54	CA	4405	BLS	C10-C11-N12-C14
54	AA	4001	BLS	N6-C7-C8-C9

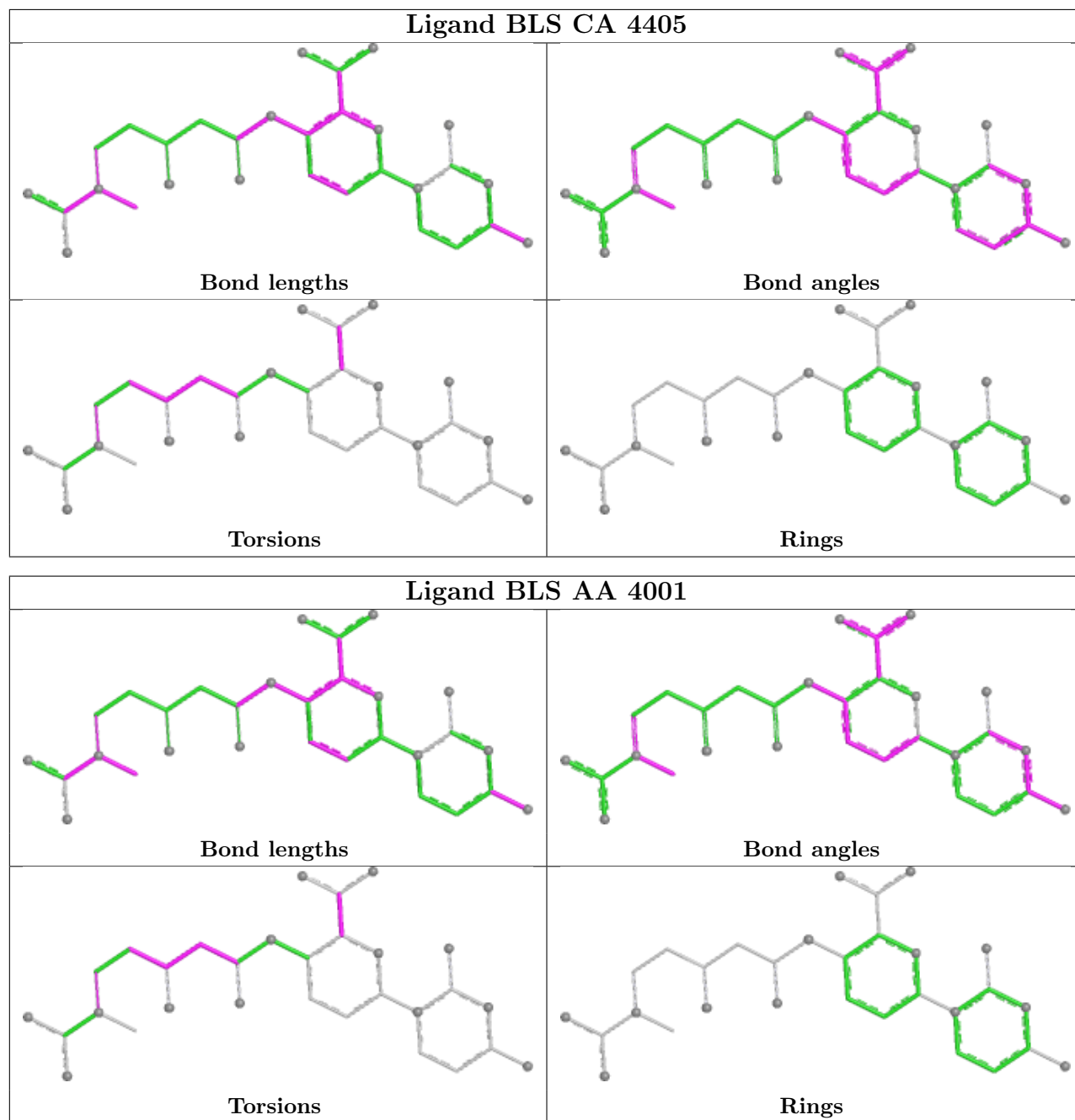
There are no ring outliers.

2 monomers are involved in 12 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	CA	4405	BLS	6	0
54	AA	4001	BLS	6	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and

any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues ⓘ

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	AA	2832/2879 (98%)	-0.12	66 (2%) 61 51	29, 68, 217, 367	0
1	CA	2832/2879 (98%)	-0.23	72 (2%) 58 50	22, 55, 182, 409	0
2	AB	119/119 (100%)	0.30	5 (4%) 41 36	68, 117, 172, 246	0
2	CB	119/119 (100%)	0.16	4 (3%) 48 41	54, 97, 141, 234	0
3	AD	271/271 (100%)	0.22	15 (5%) 32 29	23, 61, 104, 243	0
3	CD	271/271 (100%)	0.04	16 (5%) 29 28	7, 46, 92, 203	0
4	AE	204/204 (100%)	0.31	10 (4%) 36 31	20, 77, 134, 263	0
4	CE	204/204 (100%)	0.11	10 (4%) 36 31	13, 60, 116, 249	0
5	AF	202/202 (100%)	0.13	3 (1%) 71 62	27, 67, 131, 220	0
5	CF	202/202 (100%)	0.03	4 (1%) 64 55	9, 58, 130, 240	0
6	AG	181/181 (100%)	0.67	12 (6%) 26 25	75, 134, 205, 230	0
6	CG	181/181 (100%)	0.73	12 (6%) 26 25	53, 117, 201, 226	0
7	AH	159/159 (100%)	1.06	27 (16%) 5 7	88, 157, 258, 279	0
7	CH	159/159 (100%)	0.54	14 (8%) 17 18	39, 83, 142, 266	0
8	AI	145/145 (100%)	1.28	36 (24%) 2 4	46, 131, 204, 288	0
8	CI	145/145 (100%)	0.72	14 (9%) 15 16	37, 103, 167, 210	0
9	AJ	137/137 (100%)	0.40	4 (2%) 54 46	49, 80, 142, 172	0
9	CJ	137/137 (100%)	0.25	2 (1%) 71 62	28, 62, 113, 213	0
10	AK	122/122 (100%)	0.06	3 (2%) 58 50	30, 68, 109, 168	0
10	CK	122/122 (100%)	0.05	2 (1%) 70 61	21, 60, 105, 134	0
11	AL	146/146 (100%)	1.19	33 (22%) 3 5	19, 91, 177, 263	0
11	CL	146/146 (100%)	1.16	31 (21%) 3 5	17, 80, 168, 236	0
12	AM	134/134 (100%)	0.61	16 (11%) 10 13	41, 82, 166, 289	0
12	CM	134/134 (100%)	0.61	15 (11%) 11 14	26, 68, 159, 293	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	AN	117/117 (100%)	0.47	9 (7%) 21 21	19, 72, 139, 184	0
13	CN	117/117 (100%)	0.40	9 (7%) 21 21	16, 60, 111, 207	0
14	AO	98/98 (100%)	1.01	16 (16%) 5 8	63, 120, 186, 243	0
14	CO	98/98 (100%)	1.09	17 (17%) 5 7	63, 97, 157, 178	0
15	AP	137/137 (100%)	0.47	11 (8%) 20 20	41, 82, 160, 246	0
15	CP	137/137 (100%)	0.42	6 (4%) 39 35	30, 74, 184, 271	0
16	AQ	117/117 (100%)	0.27	3 (2%) 57 49	27, 69, 121, 162	0
16	CQ	117/117 (100%)	0.07	5 (4%) 40 35	21, 50, 108, 206	0
17	AR	101/101 (100%)	0.29	2 (1%) 64 55	30, 93, 142, 223	0
17	CR	101/101 (100%)	0.41	8 (7%) 20 20	27, 68, 117, 256	0
18	AS	112/112 (100%)	0.13	3 (2%) 56 48	32, 61, 131, 252	0
18	CS	112/112 (100%)	-0.15	1 (0%) 81 73	20, 48, 102, 203	0
19	AT	92/92 (100%)	0.64	8 (8%) 17 18	38, 81, 117, 172	0
19	CT	92/92 (100%)	0.22	6 (6%) 26 25	23, 58, 107, 160	0
20	AU	100/100 (100%)	1.64	31 (31%) 1 3	49, 97, 234, 307	0
20	CU	100/100 (100%)	1.09	19 (19%) 4 6	32, 75, 247, 286	0
21	AV	187/187 (100%)	0.62	10 (5%) 33 29	61, 121, 189, 251	0
21	CV	187/187 (100%)	0.44	10 (5%) 33 29	36, 113, 183, 227	0
22	AW	76/76 (100%)	0.54	6 (7%) 20 20	40, 74, 133, 245	0
22	CW	76/76 (100%)	0.52	7 (9%) 16 17	36, 70, 138, 207	0
23	AX	88/88 (100%)	1.01	16 (18%) 4 6	28, 69, 147, 186	0
23	CX	88/88 (100%)	0.93	14 (15%) 6 8	25, 59, 136, 242	0
24	AY	62/62 (100%)	1.04	10 (16%) 5 8	49, 98, 175, 228	0
24	CY	62/62 (100%)	0.70	10 (16%) 5 8	20, 69, 165, 252	0
25	AZ	59/59 (100%)	0.38	1 (1%) 69 59	46, 80, 146, 204	0
25	CZ	59/59 (100%)	0.43	3 (5%) 34 30	30, 65, 134, 194	0
26	A1	30/30 (100%)	0.75	2 (6%) 25 25	129, 198, 264, 286	0
26	C1	30/30 (100%)	0.82	3 (10%) 14 16	151, 200, 258, 294	0
27	A2	52/52 (100%)	0.46	5 (9%) 15 16	27, 67, 144, 206	0
27	C2	52/52 (100%)	0.21	2 (3%) 44 38	12, 57, 127, 206	0
28	A3	44/44 (100%)	1.46	13 (29%) 1 3	99, 175, 241, 280	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	C3	44/44 (100%)	1.54	12 (27%) 2 3	96, 147, 206, 246	0
29	A4	48/48 (100%)	0.37	4 (8%) 19 20	26, 53, 102, 159	0
29	C4	48/48 (100%)	-0.05	4 (8%) 19 20	11, 31, 82, 126	0
30	A5	63/63 (100%)	1.05	13 (20%) 3 5	38, 66, 133, 226	0
30	C5	63/63 (100%)	0.96	13 (20%) 3 5	16, 62, 135, 154	0
31	BA	1504/1504 (100%)	0.18	25 (1%) 69 59	44, 89, 187, 268	0
31	DA	1504/1504 (100%)	0.44	47 (3%) 51 44	41, 108, 215, 364	0
32	BB	234/234 (100%)	0.66	20 (8%) 18 19	65, 131, 205, 270	0
32	DB	234/234 (100%)	0.84	23 (9%) 14 16	83, 146, 214, 282	0
33	BC	206/206 (100%)	0.49	12 (5%) 30 28	68, 121, 178, 219	0
33	DC	206/206 (100%)	0.85	28 (13%) 8 11	70, 145, 214, 286	0
34	BD	208/208 (100%)	0.20	14 (6%) 25 25	25, 79, 128, 152	0
34	DD	208/208 (100%)	1.06	32 (15%) 6 8	48, 115, 180, 240	0
35	BE	151/151 (100%)	0.28	6 (3%) 43 37	44, 84, 135, 189	0
35	DE	151/151 (100%)	0.46	8 (5%) 33 29	51, 101, 161, 233	0
36	BF	101/101 (100%)	0.41	1 (0%) 79 71	56, 99, 141, 177	0
36	DF	101/101 (100%)	0.50	6 (5%) 29 28	45, 87, 140, 166	0
37	BG	155/155 (100%)	0.64	11 (7%) 23 23	69, 123, 171, 218	0
37	DG	155/155 (100%)	0.65	17 (10%) 12 14	75, 128, 179, 227	0
38	BH	138/138 (100%)	0.43	11 (7%) 20 20	56, 86, 136, 184	0
38	DH	138/138 (100%)	0.68	6 (4%) 40 35	53, 101, 149, 194	0
39	BI	127/127 (100%)	1.46	33 (25%) 2 4	67, 148, 212, 269	0
39	DI	127/127 (100%)	1.55	42 (33%) 1 2	82, 157, 214, 266	0
40	BJ	98/98 (100%)	1.25	23 (23%) 2 4	77, 145, 238, 266	0
40	DJ	98/98 (100%)	1.52	29 (29%) 1 3	89, 177, 249, 277	0
41	BK	114/114 (100%)	0.40	4 (3%) 47 40	46, 91, 139, 207	0
41	DK	114/114 (100%)	0.48	8 (7%) 24 23	50, 84, 144, 196	0
42	BL	122/122 (100%)	0.59	11 (9%) 17 18	36, 78, 126, 184	0
42	DL	122/122 (100%)	1.38	30 (24%) 2 4	47, 98, 146, 236	0
43	BM	117/117 (100%)	0.97	13 (11%) 12 14	80, 146, 214, 228	0
43	DM	117/117 (100%)	0.82	12 (10%) 13 15	84, 150, 203, 267	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	BN	60/60 (100%)	1.01	10 (16%) 5 7	63, 115, 155, 210	0
44	DN	60/60 (100%)	1.43	16 (26%) 2 4	60, 130, 192, 250	0
45	BO	88/88 (100%)	0.33	4 (4%) 39 34	50, 87, 143, 170	0
45	DO	88/88 (100%)	0.32	4 (4%) 39 34	46, 82, 130, 168	0
46	BP	83/83 (100%)	0.40	2 (2%) 59 51	35, 76, 124, 161	0
46	DP	83/83 (100%)	1.40	18 (21%) 3 5	67, 110, 171, 274	0
47	BQ	99/99 (100%)	0.48	3 (3%) 52 45	43, 83, 127, 186	0
47	DQ	99/99 (100%)	0.72	6 (6%) 28 27	57, 93, 134, 200	0
48	BR	70/70 (100%)	0.43	4 (5%) 30 28	45, 95, 159, 191	0
48	DR	70/70 (100%)	0.24	1 (1%) 73 64	49, 92, 161, 188	0
49	BS	78/78 (100%)	1.29	21 (26%) 2 4	103, 145, 213, 240	0
49	DS	78/78 (100%)	1.40	26 (33%) 1 2	93, 158, 216, 254	0
50	BT	99/99 (100%)	0.87	9 (9%) 16 18	42, 95, 175, 218	0
50	DT	99/99 (100%)	1.27	22 (22%) 3 5	66, 122, 199, 230	0
51	BU	24/24 (100%)	2.61	14 (58%) 0 0	107, 163, 225, 270	0
51	DU	24/24 (100%)	2.92	16 (66%) 0 0	73, 151, 199, 257	0
52	BV	77/77 (100%)	0.36	5 (6%) 26 25	80, 135, 208, 244	0
52	BW	77/77 (100%)	0.45	6 (7%) 20 21	71, 190, 252, 308	0
52	DV	77/77 (100%)	0.38	2 (2%) 57 49	77, 122, 191, 213	0
52	DW	77/77 (100%)	0.38	4 (5%) 34 30	62, 173, 228, 302	0
53	BX	5/5 (100%)	0.93	1 (20%) 3 6	72, 73, 112, 168	0
53	DX	5/5 (100%)	1.37	1 (20%) 3 6	65, 67, 128, 182	0
All	All	20540/20634 (99%)	0.36	1405 (6%) 25 24	7, 85, 195, 409	0

The worst 5 of 1405 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
42	DL	27	LYS	9.8
50	BT	9	ASN	8.9
14	CO	85	VAL	8.7
23	AX	30	VAL	8.2
23	CX	30	VAL	8.1

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

There are no non-standard protein/DNA/RNA residues in this entry.

6.3 Carbohydrates ⓘ

There are no monosaccharides 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(Å ²)	Q<0.9
55	MG	DA	2122	1/1	-0.38	0.14	150,150,150,150	0
55	MG	CA	3733	1/1	0.21	0.26	156,156,156,156	0
55	MG	CA	4238	1/1	0.26	0.18	91,91,91,91	0
55	MG	CA	3804	1/1	0.26	0.10	97,97,97,97	0
55	MG	DA	1898	1/1	0.29	0.94	96,96,96,96	0
55	MG	CA	4369	1/1	0.32	0.32	111,111,111,111	0
55	MG	BA	1634	1/1	0.36	0.18	104,104,104,104	0
55	MG	DA	1834	1/1	0.37	0.13	123,123,123,123	0
55	MG	BV	115	1/1	0.41	0.08	107,107,107,107	0
55	MG	CA	3081	1/1	0.42	0.23	80,80,80,80	0
55	MG	DA	2198	1/1	0.42	0.20	87,87,87,87	0
55	MG	DA	1628	1/1	0.43	0.21	135,135,135,135	0
55	MG	AA	4120	1/1	0.45	0.41	92,92,92,92	0
55	MG	CA	4348	1/1	0.45	0.11	89,89,89,89	0
55	MG	BA	1975	1/1	0.46	0.21	75,75,75,75	0
55	MG	BV	112	1/1	0.46	0.14	89,89,89,89	0
55	MG	CA	3499	1/1	0.46	0.17	71,71,71,71	0
55	MG	DA	2151	1/1	0.46	0.22	124,124,124,124	0
55	MG	DA	1831	1/1	0.46	0.10	99,99,99,99	0
55	MG	CA	3729	1/1	0.47	0.11	101,101,101,101	0
55	MG	AA	4616	1/1	0.47	0.20	140,140,140,140	0
55	MG	DA	1927	1/1	0.47	0.26	92,92,92,92	0
55	MG	DA	2104	1/1	0.48	0.18	124,124,124,124	0
55	MG	AA	4978	1/1	0.48	0.15	99,99,99,99	0
55	MG	AA	4952	1/1	0.49	0.21	89,89,89,89	0
55	MG	BA	2097	1/1	0.49	0.18	95,95,95,95	0
55	MG	CA	3776	1/1	0.49	0.13	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	2172	1/1	0.49	0.13	96,96,96,96	0
55	MG	BA	1647	1/1	0.49	0.25	93,93,93,93	0
55	MG	BA	1853	1/1	0.50	0.26	102,102,102,102	0
55	MG	DA	1638	1/1	0.51	0.47	126,126,126,126	0
55	MG	AA	5099	1/1	0.51	0.20	111,111,111,111	0
55	MG	AA	5231	1/1	0.51	0.24	78,78,78,78	0
55	MG	AB	231	1/1	0.51	0.19	78,78,78,78	0
55	MG	AA	4159	1/1	0.51	0.17	77,77,77,77	0
55	MG	AA	4093	1/1	0.52	0.12	104,104,104,104	0
55	MG	AB	223	1/1	0.52	0.26	95,95,95,95	0
55	MG	DA	1822	1/1	0.52	0.24	111,111,111,111	0
55	MG	CA	4358	1/1	0.52	0.34	78,78,78,78	0
55	MG	BV	122	1/1	0.52	0.20	97,97,97,97	0
55	MG	CL	201	1/1	0.52	0.34	76,76,76,76	0
55	MG	AA	5146	1/1	0.53	0.24	110,110,110,110	0
55	MG	AA	4160	1/1	0.53	0.09	94,94,94,94	0
55	MG	CA	3566	1/1	0.53	0.26	63,63,63,63	0
55	MG	AB	243	1/1	0.54	0.15	164,164,164,164	0
55	MG	CB	250	1/1	0.54	0.17	74,74,74,74	0
55	MG	BA	1787	1/1	0.54	0.29	98,98,98,98	0
55	MG	CA	4402	1/1	0.55	0.22	94,94,94,94	0
55	MG	CA	4403	1/1	0.55	0.11	175,175,175,175	0
55	MG	AA	4596	1/1	0.55	0.09	103,103,103,103	0
55	MG	CA	4220	1/1	0.55	0.09	95,95,95,95	0
55	MG	DA	1847	1/1	0.55	0.23	119,119,119,119	0
55	MG	AA	5131	1/1	0.55	0.12	86,86,86,86	0
55	MG	DA	1949	1/1	0.56	0.21	88,88,88,88	0
55	MG	AA	4121	1/1	0.56	0.26	82,82,82,82	0
55	MG	DA	2109	1/1	0.56	0.10	93,93,93,93	0
55	MG	DA	2121	1/1	0.56	0.35	96,96,96,96	0
55	MG	CA	3722	1/1	0.56	0.14	82,82,82,82	0
55	MG	AA	4842	1/1	0.56	0.35	111,111,111,111	0
55	MG	CA	4349	1/1	0.56	0.14	84,84,84,84	0
55	MG	CB	207	1/1	0.56	0.15	75,75,75,75	0
55	MG	CA	3072	1/1	0.57	0.26	87,87,87,87	0
55	MG	DA	1872	1/1	0.57	0.20	96,96,96,96	0
55	MG	CA	4181	1/1	0.57	0.10	57,57,57,57	0
55	MG	AA	4713	1/1	0.57	0.14	87,87,87,87	0
55	MG	BW	108	1/1	0.58	0.13	93,93,93,93	0
55	MG	BA	1867	1/1	0.58	0.50	100,100,100,100	0
55	MG	BA	2081	1/1	0.58	0.15	92,92,92,92	0
55	MG	BV	125	1/1	0.59	0.15	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1624	1/1	0.59	0.13	79,79,79,79	0
55	MG	AA	4516	1/1	0.59	0.19	69,69,69,69	0
55	MG	CA	3766	1/1	0.59	0.10	89,89,89,89	0
55	MG	DA	1809	1/1	0.59	0.12	86,86,86,86	0
55	MG	DA	1812	1/1	0.60	0.14	116,116,116,116	0
55	MG	CA	3493	1/1	0.60	0.24	57,57,57,57	0
55	MG	AA	4999	1/1	0.60	0.23	100,100,100,100	0
55	MG	AA	4825	1/1	0.60	0.11	84,84,84,84	0
55	MG	CA	3326	1/1	0.60	0.23	61,61,61,61	0
55	MG	DA	2106	1/1	0.60	0.11	94,94,94,94	0
55	MG	DW	104	1/1	0.60	0.08	95,95,95,95	0
55	MG	CA	4248	1/1	0.61	0.20	88,88,88,88	0
55	MG	CA	3069	1/1	0.61	0.19	98,98,98,98	0
55	MG	DA	2101	1/1	0.61	0.17	155,155,155,155	0
55	MG	BA	2125	1/1	0.61	0.21	84,84,84,84	0
55	MG	AA	4755	1/1	0.61	0.11	68,68,68,68	0
55	MG	AA	5264	1/1	0.61	0.25	87,87,87,87	0
55	MG	AA	4718	1/1	0.62	0.15	89,89,89,89	0
55	MG	BA	2142	1/1	0.62	0.09	78,78,78,78	0
55	MG	CA	3904	1/1	0.62	0.10	98,98,98,98	0
55	MG	AA	4646	1/1	0.62	0.13	91,91,91,91	0
55	MG	CF	305	1/1	0.62	0.10	89,89,89,89	0
55	MG	DA	2045	1/1	0.62	0.22	98,98,98,98	0
55	MG	AA	5188	1/1	0.62	0.20	77,77,77,77	0
55	MG	DA	1602	1/1	0.62	0.37	94,94,94,94	0
55	MG	BA	1909	1/1	0.62	0.15	67,67,67,67	0
55	MG	CA	3684	1/1	0.62	0.18	90,90,90,90	0
55	MG	DA	1646	1/1	0.62	0.23	72,72,72,72	0
55	MG	CA	4335	1/1	0.62	0.18	110,110,110,110	0
55	MG	BA	1948	1/1	0.62	0.17	85,85,85,85	0
55	MG	AA	4703	1/1	0.62	0.06	92,92,92,92	0
55	MG	AA	4291	1/1	0.62	0.27	46,46,46,46	0
55	MG	AA	5296	1/1	0.62	0.10	74,74,74,74	0
55	MG	AB	205	1/1	0.63	0.16	88,88,88,88	0
55	MG	BA	2086	1/1	0.63	0.12	71,71,71,71	0
55	MG	AA	4835	1/1	0.63	0.12	131,131,131,131	0
55	MG	BW	101	1/1	0.63	0.22	106,106,106,106	0
55	MG	AA	4688	1/1	0.63	0.12	65,65,65,65	0
55	MG	BA	1737	1/1	0.63	0.15	46,46,46,46	0
55	MG	CA	3718	1/1	0.63	0.30	71,71,71,71	0
55	MG	AA	4587	1/1	0.63	0.18	107,107,107,107	0
55	MG	CA	3079	1/1	0.63	0.11	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AX	101	1/1	0.64	0.08	99,99,99,99	0
55	MG	CB	212	1/1	0.64	0.30	104,104,104,104	0
55	MG	CA	3825	1/1	0.64	0.12	83,83,83,83	0
55	MG	AA	4112	1/1	0.64	0.28	92,92,92,92	0
55	MG	AA	4135	1/1	0.64	0.18	127,127,127,127	0
55	MG	BA	1949	1/1	0.64	0.16	102,102,102,102	0
55	MG	CA	3654	1/1	0.64	0.22	56,56,56,56	0
55	MG	AA	4556	1/1	0.64	0.21	80,80,80,80	0
55	MG	CA	3705	1/1	0.64	0.15	84,84,84,84	0
55	MG	AA	4885	1/1	0.64	0.18	88,88,88,88	0
55	MG	AA	4758	1/1	0.64	0.10	71,71,71,71	0
55	MG	BA	1827	1/1	0.64	0.10	73,73,73,73	0
55	MG	BA	2112	1/1	0.64	0.09	84,84,84,84	0
55	MG	AA	4787	1/1	0.64	0.14	77,77,77,77	0
55	MG	BA	2132	1/1	0.64	0.14	82,82,82,82	0
55	MG	CA	4401	1/1	0.65	0.22	77,77,77,77	0
55	MG	DA	1953	1/1	0.65	0.24	140,140,140,140	0
55	MG	BA	2140	1/1	0.65	0.16	88,88,88,88	0
55	MG	DA	1717	1/1	0.65	0.23	91,91,91,91	0
55	MG	AA	4763	1/1	0.65	0.15	137,137,137,137	0
55	MG	CA	4241	1/1	0.65	0.15	86,86,86,86	0
55	MG	CA	3625	1/1	0.65	0.26	59,59,59,59	0
55	MG	DA	2114	1/1	0.65	0.11	74,74,74,74	0
55	MG	AA	5023	1/1	0.65	0.16	57,57,57,57	0
55	MG	AA	5029	1/1	0.65	0.19	111,111,111,111	0
55	MG	AB	219	1/1	0.65	0.26	107,107,107,107	0
55	MG	CV	203	1/1	0.65	0.22	85,85,85,85	0
55	MG	AA	4794	1/1	0.65	0.09	106,106,106,106	0
55	MG	BA	2019	1/1	0.65	0.07	83,83,83,83	0
55	MG	AA	4130	1/1	0.66	0.12	78,78,78,78	0
55	MG	DA	1611	1/1	0.66	0.10	99,99,99,99	0
55	MG	DA	1917	1/1	0.66	0.16	143,143,143,143	0
55	MG	DA	1616	1/1	0.66	0.12	113,113,113,113	0
55	MG	CA	3965	1/1	0.66	0.12	42,42,42,42	0
55	MG	AA	5013	1/1	0.66	0.12	79,79,79,79	0
55	MG	DA	1643	1/1	0.66	0.30	91,91,91,91	0
55	MG	AA	5202	1/1	0.66	0.13	72,72,72,72	0
55	MG	DA	1676	1/1	0.66	0.11	71,71,71,71	0
55	MG	BA	1659	1/1	0.66	0.19	85,85,85,85	0
55	MG	DA	1721	1/1	0.66	0.23	79,79,79,79	0
55	MG	DA	1777	1/1	0.66	0.25	124,124,124,124	0
55	MG	AA	4031	1/1	0.66	0.12	109,109,109,109	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3783	1/1	0.66	0.54	96,96,96,96	0
55	MG	CA	4287	1/1	0.66	0.07	77,77,77,77	0
55	MG	CA	3433	1/1	0.66	0.11	67,67,67,67	0
55	MG	DA	2183	1/1	0.66	0.14	96,96,96,96	0
55	MG	BA	1925	1/1	0.66	0.17	75,75,75,75	0
55	MG	CA	3885	1/1	0.66	0.11	77,77,77,77	0
55	MG	AA	4150	1/1	0.67	0.17	86,86,86,86	0
55	MG	CB	241	1/1	0.67	0.17	82,82,82,82	0
55	MG	DA	1677	1/1	0.67	0.11	124,124,124,124	0
55	MG	DA	1998	1/1	0.67	0.25	59,59,59,59	0
55	MG	AB	244	1/1	0.67	0.21	100,100,100,100	0
55	MG	DA	2056	1/1	0.67	0.37	105,105,105,105	0
55	MG	CA	3473	1/1	0.67	0.27	80,80,80,80	0
55	MG	BA	1793	1/1	0.67	0.18	73,73,73,73	0
55	MG	CV	202	1/1	0.67	0.14	78,78,78,78	0
55	MG	CA	4365	1/1	0.67	0.15	84,84,84,84	0
55	MG	AA	5020	1/1	0.67	0.19	57,57,57,57	0
55	MG	DA	1607	1/1	0.67	0.23	74,74,74,74	0
55	MG	BA	1604	1/1	0.67	0.12	96,96,96,96	0
55	MG	CA	3835	1/1	0.67	0.11	69,69,69,69	0
55	MG	CA	3620	1/1	0.67	0.19	89,89,89,89	0
55	MG	DA	2177	1/1	0.67	0.11	105,105,105,105	0
55	MG	DA	2180	1/1	0.67	0.21	123,123,123,123	0
55	MG	CB	204	1/1	0.67	0.21	92,92,92,92	0
55	MG	DA	1910	1/1	0.67	0.12	104,104,104,104	0
55	MG	DV	106	1/1	0.67	0.15	93,93,93,93	0
55	MG	DW	103	1/1	0.67	0.10	93,93,93,93	0
55	MG	CA	4332	1/1	0.67	0.15	74,74,74,74	0
55	MG	DW	107	1/1	0.67	0.11	155,155,155,155	0
55	MG	DA	1865	1/1	0.68	0.30	75,75,75,75	0
55	MG	AA	4894	1/1	0.68	0.27	93,93,93,93	0
55	MG	BA	2152	1/1	0.68	0.10	83,83,83,83	0
55	MG	CA	2906	1/1	0.68	0.13	66,66,66,66	0
55	MG	DA	1912	1/1	0.68	0.18	88,88,88,88	0
55	MG	DA	2123	1/1	0.68	0.12	94,94,94,94	0
55	MG	BA	2170	1/1	0.68	0.32	105,105,105,105	0
55	MG	DA	1922	1/1	0.68	0.17	94,94,94,94	0
55	MG	BO	101	1/1	0.68	0.10	91,91,91,91	0
55	MG	CA	3803	1/1	0.68	0.16	121,121,121,121	0
55	MG	BU	101	1/1	0.68	0.17	109,109,109,109	0
55	MG	BA	1882	1/1	0.68	0.15	92,92,92,92	0
55	MG	DA	1619	1/1	0.68	0.11	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DV	123	1/1	0.68	0.13	104,104,104,104	0
55	MG	BA	1823	1/1	0.68	0.13	103,103,103,103	0
55	MG	AA	4614	1/1	0.68	0.12	79,79,79,79	0
55	MG	BA	1610	1/1	0.68	0.12	93,93,93,93	0
55	MG	DW	111	1/1	0.68	0.14	136,136,136,136	0
55	MG	DA	1845	1/1	0.69	0.20	117,117,117,117	0
55	MG	DA	1626	1/1	0.69	0.27	123,123,123,123	0
55	MG	AA	4539	1/1	0.69	0.21	90,90,90,90	0
55	MG	AA	4632	1/1	0.69	0.25	81,81,81,81	0
55	MG	CB	242	1/1	0.69	0.10	77,77,77,77	0
55	MG	CA	4037	1/1	0.69	0.12	45,45,45,45	0
55	MG	DA	1649	1/1	0.69	0.11	118,118,118,118	0
55	MG	CA	4161	1/1	0.69	0.17	65,65,65,65	0
55	MG	DA	1920	1/1	0.69	0.12	72,72,72,72	0
55	MG	BA	1628	1/1	0.69	0.24	99,99,99,99	0
55	MG	AA	4822	1/1	0.69	0.10	87,87,87,87	0
55	MG	DA	2186	1/1	0.69	0.23	71,71,71,71	0
55	MG	CA	4233	1/1	0.69	0.48	76,76,76,76	0
55	MG	DI	201	1/1	0.69	0.25	72,72,72,72	0
55	MG	CY	102	1/1	0.69	0.14	100,100,100,100	0
55	MG	CA	3617	1/1	0.69	0.14	88,88,88,88	0
55	MG	AA	5037	1/1	0.69	0.35	95,95,95,95	0
55	MG	BA	1923	1/1	0.69	0.20	54,54,54,54	0
55	MG	CA	3744	1/1	0.69	0.14	90,90,90,90	0
55	MG	CA	4304	1/1	0.69	0.11	81,81,81,81	0
55	MG	CA	3954	1/1	0.70	0.16	92,92,92,92	0
55	MG	AA	4502	1/1	0.70	0.15	53,53,53,53	0
55	MG	CT	101	1/1	0.70	0.20	51,51,51,51	0
55	MG	DA	2139	1/1	0.70	0.08	83,83,83,83	0
55	MG	CA	2925	1/1	0.70	0.12	128,128,128,128	0
55	MG	DA	1686	1/1	0.70	0.12	97,97,97,97	0
55	MG	CA	3515	1/1	0.70	0.10	42,42,42,42	0
55	MG	CV	204	1/1	0.70	0.16	86,86,86,86	0
55	MG	CA	2951	1/1	0.70	0.56	125,125,125,125	0
55	MG	AA	4760	1/1	0.70	0.07	89,89,89,89	0
55	MG	AA	4694	1/1	0.70	0.15	92,92,92,92	0
55	MG	AA	5185	1/1	0.70	0.12	102,102,102,102	0
55	MG	AB	206	1/1	0.70	0.10	112,112,112,112	0
55	MG	BA	2055	1/1	0.70	0.16	95,95,95,95	0
55	MG	CA	3374	1/1	0.70	0.14	56,56,56,56	0
55	MG	AA	4770	1/1	0.70	0.24	83,83,83,83	0
55	MG	AA	4295	1/1	0.70	0.19	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3916	1/1	0.70	0.11	73,73,73,73	0
55	MG	CA	3730	1/1	0.71	0.11	74,74,74,74	0
55	MG	DA	2117	1/1	0.71	0.20	68,68,68,68	0
55	MG	BA	2049	1/1	0.71	0.17	59,59,59,59	0
55	MG	BV	101	1/1	0.71	0.13	105,105,105,105	0
55	MG	AA	4868	1/1	0.71	0.38	62,62,62,62	0
55	MG	BA	1835	1/1	0.71	0.23	106,106,106,106	0
55	MG	AA	5033	1/1	0.71	0.14	88,88,88,88	0
55	MG	AA	4671	1/1	0.71	0.15	122,122,122,122	0
55	MG	BA	1660	1/1	0.71	0.10	73,73,73,73	0
55	MG	AA	5273	1/1	0.71	0.17	75,75,75,75	0
55	MG	BA	1765	1/1	0.71	0.21	93,93,93,93	0
55	MG	BA	1615	1/1	0.71	0.57	134,134,134,134	0
55	MG	BA	1789	1/1	0.71	0.26	79,79,79,79	0
55	MG	CA	3061	1/1	0.71	0.10	82,82,82,82	0
55	MG	DV	101	1/1	0.71	0.22	103,103,103,103	0
55	MG	AA	5295	1/1	0.71	0.17	103,103,103,103	0
55	MG	DV	117	1/1	0.71	0.14	81,81,81,81	0
55	MG	BA	1818	1/1	0.71	0.32	75,75,75,75	0
55	MG	BC	302	1/1	0.71	0.10	60,60,60,60	0
55	MG	AA	4762	1/1	0.71	0.13	113,113,113,113	0
55	MG	CA	3100	1/1	0.71	0.14	86,86,86,86	0
55	MG	DA	2111	1/1	0.71	0.09	52,52,52,52	0
55	MG	DW	115	1/1	0.71	0.09	127,127,127,127	0
55	MG	CA	3076	1/1	0.72	0.13	101,101,101,101	0
55	MG	CA	4070	1/1	0.72	0.15	46,46,46,46	0
55	MG	AA	4090	1/1	0.72	0.07	87,87,87,87	0
55	MG	BA	2029	1/1	0.72	0.07	64,64,64,64	0
55	MG	AA	5041	1/1	0.72	0.08	84,84,84,84	0
55	MG	DA	1755	1/1	0.72	0.28	93,93,93,93	0
55	MG	CD	306	1/1	0.72	0.09	65,65,65,65	0
55	MG	DA	1793	1/1	0.72	0.08	84,84,84,84	0
55	MG	BA	1743	1/1	0.72	0.19	76,76,76,76	0
55	MG	BV	104	1/1	0.72	0.11	84,84,84,84	0
55	MG	DA	1813	1/1	0.72	0.17	79,79,79,79	0
55	MG	CA	3758	1/1	0.72	0.07	71,71,71,71	0
55	MG	AA	5096	1/1	0.72	0.23	63,63,63,63	0
55	MG	DA	2140	1/1	0.72	0.10	107,107,107,107	0
55	MG	AA	5244	1/1	0.72	0.10	68,68,68,68	0
55	MG	CA	3778	1/1	0.72	0.09	106,106,106,106	0
55	MG	BA	1914	1/1	0.72	0.15	82,82,82,82	0
55	MG	DA	1853	1/1	0.72	0.16	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	2100	1/1	0.72	0.27	112,112,112,112	0
55	MG	BA	2105	1/1	0.72	0.25	96,96,96,96	0
55	MG	DA	1891	1/1	0.72	0.12	116,116,116,116	0
55	MG	AA	4731	1/1	0.72	0.12	119,119,119,119	0
55	MG	BA	1631	1/1	0.72	0.18	94,94,94,94	0
55	MG	CA	3856	1/1	0.72	0.12	67,67,67,67	0
55	MG	AA	4702	1/1	0.72	0.11	89,89,89,89	0
55	MG	CA	4386	1/1	0.72	0.27	59,59,59,59	0
55	MG	AA	4131	1/1	0.72	0.11	48,48,48,48	0
55	MG	BA	1966	1/1	0.72	0.16	69,69,69,69	0
55	MG	AA	4404	1/1	0.72	0.14	41,41,41,41	0
55	MG	DA	1648	1/1	0.72	0.12	68,68,68,68	0
55	MG	BA	2007	1/1	0.72	0.20	82,82,82,82	0
55	MG	DA	2065	1/1	0.73	0.13	59,59,59,59	0
55	MG	DA	2075	1/1	0.73	0.11	72,72,72,72	0
55	MG	CA	4290	1/1	0.73	0.12	68,68,68,68	0
55	MG	AA	4510	1/1	0.73	0.33	167,167,167,167	0
55	MG	DA	1811	1/1	0.73	0.12	73,73,73,73	0
55	MG	AA	4363	1/1	0.73	0.23	57,57,57,57	0
55	MG	CA	4334	1/1	0.73	0.19	102,102,102,102	0
55	MG	BA	2014	1/1	0.73	0.09	58,58,58,58	0
55	MG	DA	1823	1/1	0.73	0.21	88,88,88,88	0
55	MG	AA	5119	1/1	0.73	0.21	80,80,80,80	0
55	MG	DA	1833	1/1	0.73	0.11	103,103,103,103	0
55	MG	AB	221	1/1	0.73	0.07	74,74,74,74	0
55	MG	DA	2127	1/1	0.73	0.17	68,68,68,68	0
55	MG	DA	2137	1/1	0.73	0.10	98,98,98,98	0
55	MG	AA	4715	1/1	0.73	0.22	80,80,80,80	0
55	MG	CA	3394	1/1	0.73	0.13	54,54,54,54	0
55	MG	CA	3424	1/1	0.73	0.16	48,48,48,48	0
55	MG	CA	4015	1/1	0.73	0.15	53,53,53,53	0
55	MG	AB	230	1/1	0.73	0.14	74,74,74,74	0
55	MG	DA	1630	1/1	0.73	0.15	133,133,133,133	0
55	MG	CA	3455	1/1	0.73	0.27	60,60,60,60	0
55	MG	AA	4144	1/1	0.73	0.09	63,63,63,63	0
55	MG	DA	2191	1/1	0.73	0.11	92,92,92,92	0
55	MG	CA	2935	1/1	0.73	0.10	65,65,65,65	0
55	MG	DA	1913	1/1	0.73	0.10	93,93,93,93	0
55	MG	CA	4213	1/1	0.73	0.20	70,70,70,70	0
55	MG	BA	1816	1/1	0.73	0.10	86,86,86,86	0
55	MG	AA	4541	1/1	0.73	0.43	78,78,78,78	0
55	MG	AA	4352	1/1	0.73	0.27	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CB	244	1/1	0.73	0.27	76,76,76,76	0
55	MG	CA	3597	1/1	0.73	0.29	89,89,89,89	0
55	MG	CA	3613	1/1	0.73	0.21	72,72,72,72	0
55	MG	CA	4280	1/1	0.73	0.18	84,84,84,84	0
55	MG	AP	202	1/1	0.73	0.18	79,79,79,79	0
55	MG	DW	118	1/1	0.73	0.13	157,157,157,157	0
55	MG	AA	5247	1/1	0.74	0.21	91,91,91,91	0
55	MG	AA	5261	1/1	0.74	0.10	73,73,73,73	0
55	MG	CA	2968	1/1	0.74	0.10	74,74,74,74	0
55	MG	CA	3060	1/1	0.74	0.08	100,100,100,100	0
55	MG	DA	1752	1/1	0.74	0.09	89,89,89,89	0
55	MG	DA	2074	1/1	0.74	0.18	72,72,72,72	0
55	MG	AA	4998	1/1	0.74	0.17	86,86,86,86	0
55	MG	DA	2094	1/1	0.74	0.18	44,44,44,44	0
55	MG	CA	3797	1/1	0.74	0.16	83,83,83,83	0
55	MG	CA	3800	1/1	0.74	0.16	92,92,92,92	0
55	MG	DA	1805	1/1	0.74	0.10	85,85,85,85	0
55	MG	AA	4461	1/1	0.74	0.17	53,53,53,53	0
55	MG	CL	202	1/1	0.74	0.15	93,93,93,93	0
55	MG	AA	4529	1/1	0.74	0.28	88,88,88,88	0
55	MG	BA	1926	1/1	0.74	0.09	82,82,82,82	0
55	MG	BV	111	1/1	0.74	0.08	65,65,65,65	0
55	MG	AA	5045	1/1	0.74	0.10	80,80,80,80	0
55	MG	AA	4039	1/1	0.74	0.10	85,85,85,85	0
55	MG	C4	102	1/1	0.74	0.42	70,70,70,70	0
55	MG	CA	4339	1/1	0.74	0.13	67,67,67,67	0
55	MG	BV	118	1/1	0.74	0.20	94,94,94,94	0
55	MG	CA	3914	1/1	0.74	0.29	73,73,73,73	0
55	MG	DA	1615	1/1	0.74	0.20	104,104,104,104	0
55	MG	CA	4352	1/1	0.74	0.18	80,80,80,80	0
55	MG	DA	1866	1/1	0.74	0.21	74,74,74,74	0
55	MG	CA	3714	1/1	0.74	0.20	80,80,80,80	0
55	MG	AA	5228	1/1	0.74	0.19	73,73,73,73	0
55	MG	DA	1893	1/1	0.74	0.18	65,65,65,65	0
55	MG	DA	1895	1/1	0.74	0.19	80,80,80,80	0
55	MG	BA	1849	1/1	0.74	0.17	135,135,135,135	0
55	MG	DA	1903	1/1	0.74	0.09	79,79,79,79	0
55	MG	DA	1904	1/1	0.74	0.09	57,57,57,57	0
55	MG	AA	4009	1/1	0.74	0.10	56,56,56,56	0
55	MG	DV	108	1/1	0.74	0.18	111,111,111,111	0
55	MG	BA	2012	1/1	0.74	0.12	64,64,64,64	0
55	MG	BA	1855	1/1	0.74	0.10	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4684	1/1	0.74	0.21	73,73,73,73	0
55	MG	CB	203	1/1	0.74	0.09	100,100,100,100	0
55	MG	CA	4179	1/1	0.74	0.16	105,105,105,105	0
55	MG	DA	1671	1/1	0.74	0.17	78,78,78,78	0
55	MG	DA	1929	1/1	0.74	0.08	93,93,93,93	0
55	MG	DW	117	1/1	0.74	0.07	74,74,74,74	0
55	MG	CA	3750	1/1	0.74	0.15	140,140,140,140	0
55	MG	AA	4609	1/1	0.75	0.16	76,76,76,76	0
55	MG	BA	1661	1/1	0.75	0.10	90,90,90,90	0
55	MG	BA	1698	1/1	0.75	0.15	51,51,51,51	0
55	MG	BA	1720	1/1	0.75	0.22	54,54,54,54	0
55	MG	CA	4389	1/1	0.75	0.13	93,93,93,93	0
55	MG	BV	106	1/1	0.75	0.17	113,113,113,113	0
55	MG	AA	4061	1/1	0.75	0.13	52,52,52,52	0
55	MG	CA	3362	1/1	0.75	0.28	64,64,64,64	0
55	MG	AA	4971	1/1	0.75	0.21	68,68,68,68	0
55	MG	AA	4826	1/1	0.75	0.18	73,73,73,73	0
55	MG	CA	4211	1/1	0.75	0.21	67,67,67,67	0
55	MG	AA	5267	1/1	0.75	0.34	96,96,96,96	0
55	MG	BA	1625	1/1	0.75	0.18	91,91,91,91	0
55	MG	CA	3449	1/1	0.75	0.08	49,49,49,49	0
55	MG	AA	4458	1/1	0.75	0.22	65,65,65,65	0
55	MG	BA	2102	1/1	0.75	0.14	80,80,80,80	0
55	MG	DA	1908	1/1	0.75	0.15	88,88,88,88	0
55	MG	DA	2160	1/1	0.75	0.22	63,63,63,63	0
55	MG	BA	1934	1/1	0.75	0.17	87,87,87,87	0
55	MG	BA	1942	1/1	0.75	0.15	77,77,77,77	0
55	MG	DA	1746	1/1	0.75	0.15	67,67,67,67	0
55	MG	DA	1916	1/1	0.75	0.35	87,87,87,87	0
55	MG	AA	4686	1/1	0.75	0.10	81,81,81,81	0
55	MG	DA	1753	1/1	0.75	0.14	52,52,52,52	0
55	MG	CA	3542	1/1	0.75	0.14	63,63,63,63	0
55	MG	DA	1767	1/1	0.75	0.27	118,118,118,118	0
55	MG	DA	1928	1/1	0.75	0.12	68,68,68,68	0
55	MG	AA	4229	1/1	0.75	0.18	34,34,34,34	0
55	MG	AB	246	1/1	0.75	0.16	94,94,94,94	0
55	MG	BA	1652	1/1	0.75	0.13	84,84,84,84	0
55	MG	BA	1992	1/1	0.75	0.12	67,67,67,67	0
55	MG	DA	1999	1/1	0.75	0.19	108,108,108,108	0
55	MG	CA	3859	1/1	0.75	0.22	96,96,96,96	0
55	MG	BA	2003	1/1	0.75	0.14	49,49,49,49	0
55	MG	DA	2060	1/1	0.75	0.24	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3065	1/1	0.75	0.26	88,88,88,88	0
55	MG	DA	2067	1/1	0.75	0.18	55,55,55,55	0
55	MG	AA	4803	1/1	0.75	0.10	85,85,85,85	0
55	MG	AB	225	1/1	0.76	0.10	89,89,89,89	0
55	MG	CA	3907	1/1	0.76	0.17	79,79,79,79	0
55	MG	BW	104	1/1	0.76	0.14	96,96,96,96	0
55	MG	AA	4002	1/1	0.76	0.37	130,130,130,130	0
55	MG	CA	3917	1/1	0.76	0.10	70,70,70,70	0
55	MG	BA	1875	1/1	0.76	0.25	78,78,78,78	0
55	MG	BA	1879	1/1	0.76	0.26	94,94,94,94	0
55	MG	DA	1775	1/1	0.76	0.11	68,68,68,68	0
55	MG	AA	5233	1/1	0.76	0.18	74,74,74,74	0
55	MG	CA	4025	1/1	0.76	0.28	76,76,76,76	0
55	MG	DA	2093	1/1	0.76	0.11	89,89,89,89	0
55	MG	BA	1900	1/1	0.76	0.24	98,98,98,98	0
55	MG	BA	1902	1/1	0.76	0.12	63,63,63,63	0
55	MG	AA	4725	1/1	0.76	0.08	78,78,78,78	0
55	MG	BA	1663	1/1	0.76	0.15	95,95,95,95	0
55	MG	BA	1664	1/1	0.76	0.07	86,86,86,86	0
55	MG	BA	2130	1/1	0.76	0.12	33,33,33,33	0
55	MG	AA	4810	1/1	0.76	0.20	74,74,74,74	0
55	MG	AA	5250	1/1	0.76	0.15	70,70,70,70	0
55	MG	AA	4099	1/1	0.76	0.30	88,88,88,88	0
55	MG	AA	4103	1/1	0.76	0.15	71,71,71,71	0
55	MG	A3	101	1/1	0.76	0.14	100,100,100,100	0
55	MG	CA	3313	1/1	0.76	0.19	49,49,49,49	0
55	MG	AA	4143	1/1	0.76	0.12	128,128,128,128	0
55	MG	AA	4656	1/1	0.76	0.16	69,69,69,69	0
55	MG	AA	5184	1/1	0.76	0.18	73,73,73,73	0
55	MG	DA	1612	1/1	0.76	0.29	141,141,141,141	0
55	MG	DA	2153	1/1	0.76	0.15	87,87,87,87	0
55	MG	DA	1888	1/1	0.76	0.08	98,98,98,98	0
55	MG	BA	1990	1/1	0.76	0.12	59,59,59,59	0
55	MG	AA	4664	1/1	0.76	0.14	74,74,74,74	0
55	MG	CA	3798	1/1	0.76	0.10	98,98,98,98	0
55	MG	AA	4668	1/1	0.76	0.09	74,74,74,74	0
55	MG	AA	4469	1/1	0.76	0.10	66,66,66,66	0
55	MG	AA	5226	1/1	0.76	0.17	78,78,78,78	0
55	MG	DA	1906	1/1	0.76	0.13	79,79,79,79	0
55	MG	AA	4716	1/1	0.76	0.21	76,76,76,76	0
55	MG	BV	116	1/1	0.76	0.13	74,74,74,74	0
55	MG	CA	3841	1/1	0.76	0.07	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	4364	1/1	0.76	0.08	74,74,74,74	0
55	MG	BA	1645	1/1	0.76	0.13	86,86,86,86	0
55	MG	DA	1652	1/1	0.76	0.27	107,107,107,107	0
55	MG	AA	5230	1/1	0.76	0.12	102,102,102,102	0
55	MG	CA	4373	1/1	0.76	0.25	92,92,92,92	0
55	MG	CA	3883	1/1	0.76	0.23	77,77,77,77	0
55	MG	DA	1680	1/1	0.76	0.11	83,83,83,83	0
55	MG	DA	1683	1/1	0.76	0.23	98,98,98,98	0
55	MG	DA	1938	1/1	0.76	0.15	128,128,128,128	0
55	MG	BA	2043	1/1	0.76	0.21	62,62,62,62	0
55	MG	BA	2070	1/1	0.77	0.09	66,66,66,66	0
55	MG	DA	2052	1/1	0.77	0.21	66,66,66,66	0
55	MG	AA	5212	1/1	0.77	0.11	74,74,74,74	0
55	MG	AA	4989	1/1	0.77	0.06	72,72,72,72	0
55	MG	DA	1800	1/1	0.77	0.20	63,63,63,63	0
55	MG	CA	4224	1/1	0.77	0.07	58,58,58,58	0
55	MG	AA	4259	1/1	0.77	0.29	42,42,42,42	0
55	MG	BA	2099	1/1	0.77	0.20	54,54,54,54	0
55	MG	AA	4504	1/1	0.77	0.10	67,67,67,67	0
55	MG	AA	4046	1/1	0.77	0.23	108,108,108,108	0
55	MG	BA	1842	1/1	0.77	0.12	63,63,63,63	0
55	MG	BA	2106	1/1	0.77	0.35	124,124,124,124	0
55	MG	AA	4657	1/1	0.77	0.33	69,69,69,69	0
55	MG	DA	2108	1/1	0.77	0.23	92,92,92,92	0
55	MG	DA	1601	1/1	0.77	0.14	92,92,92,92	0
55	MG	CA	3494	1/1	0.77	0.10	40,40,40,40	0
55	MG	BA	1680	1/1	0.77	0.10	72,72,72,72	0
55	MG	CA	4333	1/1	0.77	0.26	76,76,76,76	0
55	MG	DA	1848	1/1	0.77	0.16	67,67,67,67	0
55	MG	AA	4813	1/1	0.77	0.11	76,76,76,76	0
55	MG	BA	1856	1/1	0.77	0.27	85,85,85,85	0
55	MG	CA	2946	1/1	0.77	0.54	63,63,63,63	0
55	MG	DA	2135	1/1	0.77	0.09	93,93,93,93	0
55	MG	CA	3596	1/1	0.77	0.09	79,79,79,79	0
55	MG	DA	1882	1/1	0.77	0.17	77,77,77,77	0
55	MG	CA	3873	1/1	0.77	0.10	77,77,77,77	0
55	MG	DA	2144	1/1	0.77	0.19	63,63,63,63	0
55	MG	DA	2146	1/1	0.77	0.35	69,69,69,69	0
55	MG	AA	5174	1/1	0.77	0.11	63,63,63,63	0
55	MG	AA	4939	1/1	0.77	0.16	56,56,56,56	0
55	MG	CA	3903	1/1	0.77	0.12	135,135,135,135	0
55	MG	BA	2145	1/1	0.77	0.13	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4089	1/1	0.77	0.23	96,96,96,96	0
55	MG	CA	3910	1/1	0.77	0.12	77,77,77,77	0
55	MG	DA	2182	1/1	0.77	0.11	75,75,75,75	0
55	MG	CA	3062	1/1	0.77	0.14	68,68,68,68	0
55	MG	AA	4719	1/1	0.77	0.46	74,74,74,74	0
55	MG	DA	1660	1/1	0.77	0.18	126,126,126,126	0
55	MG	CA	4396	1/1	0.77	0.15	90,90,90,90	0
55	MG	BC	301	1/1	0.77	0.21	64,64,64,64	0
55	MG	BA	1899	1/1	0.77	0.20	79,79,79,79	0
55	MG	BA	1639	1/1	0.77	0.12	62,62,62,62	0
55	MG	AA	4562	1/1	0.77	0.13	73,73,73,73	0
55	MG	BA	1903	1/1	0.77	0.10	62,62,62,62	0
55	MG	DA	1687	1/1	0.77	0.11	86,86,86,86	0
55	MG	CA	3088	1/1	0.77	0.11	76,76,76,76	0
55	MG	BA	1792	1/1	0.77	0.17	76,76,76,76	0
55	MG	CB	228	1/1	0.77	0.14	67,67,67,67	0
55	MG	CA	3219	1/1	0.77	0.29	35,35,35,35	0
55	MG	DW	114	1/1	0.77	0.09	97,97,97,97	0
55	MG	AA	5205	1/1	0.77	0.10	83,83,83,83	0
55	MG	CA	3745	1/1	0.77	0.13	60,60,60,60	0
55	MG	CB	246	1/1	0.77	0.16	53,53,53,53	0
55	MG	BA	2119	1/1	0.78	0.18	88,88,88,88	0
55	MG	BA	2123	1/1	0.78	0.28	82,82,82,82	0
55	MG	CA	3950	1/1	0.78	0.07	75,75,75,75	0
55	MG	CA	2936	1/1	0.78	0.15	61,61,61,61	0
55	MG	AA	4013	1/1	0.78	0.09	55,55,55,55	0
55	MG	CB	233	1/1	0.78	0.11	83,83,83,83	0
55	MG	CB	235	1/1	0.78	0.06	58,58,58,58	0
55	MG	CB	236	1/1	0.78	0.12	93,93,93,93	0
55	MG	DA	2064	1/1	0.78	0.10	52,52,52,52	0
55	MG	BA	2129	1/1	0.78	0.20	36,36,36,36	0
55	MG	BA	1649	1/1	0.78	0.14	96,96,96,96	0
55	MG	CA	2999	1/1	0.78	0.14	85,85,85,85	0
55	MG	DA	1798	1/1	0.78	0.09	117,117,117,117	0
55	MG	AA	5011	1/1	0.78	0.30	87,87,87,87	0
55	MG	AA	4068	1/1	0.78	0.07	66,66,66,66	0
55	MG	CB	259	1/1	0.78	0.15	78,78,78,78	0
55	MG	CB	262	1/1	0.78	0.14	67,67,67,67	0
55	MG	BA	2141	1/1	0.78	0.12	85,85,85,85	0
55	MG	BA	1979	1/1	0.78	0.12	64,64,64,64	0
55	MG	DA	1821	1/1	0.78	0.11	82,82,82,82	0
55	MG	AA	5137	1/1	0.78	0.17	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4074	1/1	0.78	0.12	54,54,54,54	0
55	MG	DA	1829	1/1	0.78	0.15	123,123,123,123	0
55	MG	BA	2156	1/1	0.78	0.11	95,95,95,95	0
55	MG	AA	4924	1/1	0.78	0.21	78,78,78,78	0
55	MG	AA	4629	1/1	0.78	0.10	112,112,112,112	0
55	MG	CA	3749	1/1	0.78	0.24	105,105,105,105	0
55	MG	BA	1671	1/1	0.78	0.13	112,112,112,112	0
55	MG	DA	2136	1/1	0.78	0.18	52,52,52,52	0
55	MG	CA	3089	1/1	0.78	0.12	81,81,81,81	0
55	MG	DA	1850	1/1	0.78	0.13	101,101,101,101	0
55	MG	AA	5032	1/1	0.78	0.15	65,65,65,65	0
55	MG	DA	2141	1/1	0.78	0.16	85,85,85,85	0
55	MG	DA	1863	1/1	0.78	0.13	86,86,86,86	0
55	MG	BA	1681	1/1	0.78	0.10	162,162,162,162	0
55	MG	BA	1607	1/1	0.78	0.20	90,90,90,90	0
55	MG	BA	1883	1/1	0.78	0.06	77,77,77,77	0
55	MG	CA	4308	1/1	0.78	0.12	83,83,83,83	0
55	MG	DA	1887	1/1	0.78	0.27	113,113,113,113	0
55	MG	CA	3357	1/1	0.78	0.12	25,25,25,25	0
55	MG	BA	1884	1/1	0.78	0.21	76,76,76,76	0
55	MG	AA	4350	1/1	0.78	0.16	43,43,43,43	0
55	MG	DA	1622	1/1	0.78	0.15	77,77,77,77	0
55	MG	DA	2184	1/1	0.78	0.25	79,79,79,79	0
55	MG	AA	4079	1/1	0.78	0.15	76,76,76,76	0
55	MG	BA	1617	1/1	0.78	0.08	99,99,99,99	0
55	MG	AA	4052	1/1	0.78	0.12	72,72,72,72	0
55	MG	BA	1770	1/1	0.78	0.18	58,58,58,58	0
55	MG	CA	3454	1/1	0.78	0.16	55,55,55,55	0
55	MG	CA	3849	1/1	0.78	0.20	119,119,119,119	0
55	MG	BV	121	1/1	0.78	0.14	65,65,65,65	0
55	MG	AA	4138	1/1	0.78	0.12	69,69,69,69	0
55	MG	AA	5063	1/1	0.78	0.16	59,59,59,59	0
55	MG	BV	126	1/1	0.78	0.17	75,75,75,75	0
55	MG	DA	1918	1/1	0.78	0.09	88,88,88,88	0
55	MG	DW	106	1/1	0.78	0.09	113,113,113,113	0
55	MG	AA	5227	1/1	0.78	0.06	75,75,75,75	0
55	MG	AA	5078	1/1	0.78	0.19	64,64,64,64	0
55	MG	AA	5091	1/1	0.78	0.10	52,52,52,52	0
55	MG	CA	3544	1/1	0.78	0.10	53,53,53,53	0
55	MG	AA	4856	1/1	0.78	0.23	42,42,42,42	0
55	MG	CA	2921	1/1	0.78	0.23	63,63,63,63	0
55	MG	AA	4549	1/1	0.79	0.17	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3752	1/1	0.79	0.07	68,68,68,68	0
55	MG	BA	1781	1/1	0.79	0.17	64,64,64,64	0
55	MG	BA	2147	1/1	0.79	0.13	121,121,121,121	0
55	MG	AA	4310	1/1	0.79	0.12	37,37,37,37	0
55	MG	DA	1657	1/1	0.79	0.21	68,68,68,68	0
55	MG	CA	4347	1/1	0.79	0.36	81,81,81,81	0
55	MG	AA	5157	1/1	0.79	0.10	58,58,58,58	0
55	MG	BA	1622	1/1	0.79	0.15	122,122,122,122	0
55	MG	DA	1993	1/1	0.79	0.22	55,55,55,55	0
55	MG	BA	1970	1/1	0.79	0.13	61,61,61,61	0
55	MG	CA	4355	1/1	0.79	0.10	47,47,47,47	0
55	MG	DA	2038	1/1	0.79	0.12	114,114,114,114	0
55	MG	AA	5291	1/1	0.79	0.11	78,78,78,78	0
55	MG	AA	4473	1/1	0.79	0.38	91,91,91,91	0
55	MG	AA	4076	1/1	0.79	0.34	90,90,90,90	0
55	MG	BA	1821	1/1	0.79	0.17	81,81,81,81	0
55	MG	AA	4757	1/1	0.79	0.08	78,78,78,78	0
55	MG	CA	4375	1/1	0.79	0.36	85,85,85,85	0
55	MG	AA	4018	1/1	0.79	0.25	125,125,125,125	0
55	MG	DA	2070	1/1	0.79	0.08	90,90,90,90	0
55	MG	AA	4603	1/1	0.79	0.14	68,68,68,68	0
55	MG	CA	3844	1/1	0.79	0.10	54,54,54,54	0
55	MG	DA	2083	1/1	0.79	0.13	53,53,53,53	0
55	MG	CA	3411	1/1	0.79	0.10	53,53,53,53	0
55	MG	DA	1773	1/1	0.79	0.12	83,83,83,83	0
55	MG	AA	4874	1/1	0.79	0.19	41,41,41,41	0
55	MG	BV	113	1/1	0.79	0.10	82,82,82,82	0
55	MG	DA	1786	1/1	0.79	0.06	93,93,93,93	0
55	MG	DA	1789	1/1	0.79	0.10	90,90,90,90	0
55	MG	BA	1843	1/1	0.79	0.22	87,87,87,87	0
55	MG	CA	3876	1/1	0.79	0.07	76,76,76,76	0
55	MG	AA	4506	1/1	0.79	0.15	65,65,65,65	0
55	MG	AA	4151	1/1	0.79	0.09	83,83,83,83	0
55	MG	AA	4397	1/1	0.79	0.33	82,82,82,82	0
55	MG	CB	231	1/1	0.79	0.08	76,76,76,76	0
55	MG	BA	1657	1/1	0.79	0.07	52,52,52,52	0
55	MG	AA	4620	1/1	0.79	0.09	70,70,70,70	0
55	MG	CA	3497	1/1	0.79	0.34	107,107,107,107	0
55	MG	BA	1872	1/1	0.79	0.15	64,64,64,64	0
55	MG	AB	232	1/1	0.79	0.14	93,93,93,93	0
55	MG	AB	233	1/1	0.79	0.04	64,64,64,64	0
55	MG	AA	4158	1/1	0.79	0.16	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BW	109	1/1	0.79	0.10	57,57,57,57	0
55	MG	CA	3583	1/1	0.79	0.14	111,111,111,111	0
55	MG	BW	115	1/1	0.79	0.07	70,70,70,70	0
55	MG	AA	4535	1/1	0.79	0.16	70,70,70,70	0
55	MG	AA	4062	1/1	0.79	0.13	126,126,126,126	0
55	MG	BA	1674	1/1	0.79	0.09	118,118,118,118	0
55	MG	CA	4125	1/1	0.79	0.18	76,76,76,76	0
55	MG	DA	1856	1/1	0.79	0.09	83,83,83,83	0
55	MG	DA	1862	1/1	0.79	0.11	75,75,75,75	0
55	MG	CQ	205	1/1	0.79	0.24	81,81,81,81	0
55	MG	CA	2927	1/1	0.79	0.11	57,57,57,57	0
55	MG	AA	5241	1/1	0.79	0.19	91,91,91,91	0
55	MG	DA	1870	1/1	0.79	0.14	76,76,76,76	0
55	MG	AA	4986	1/1	0.79	0.11	65,65,65,65	0
55	MG	CA	4199	1/1	0.79	0.10	70,70,70,70	0
55	MG	DA	2204	1/1	0.79	0.07	66,66,66,66	0
55	MG	CA	2938	1/1	0.79	0.35	107,107,107,107	0
55	MG	CA	3704	1/1	0.79	0.09	61,61,61,61	0
55	MG	BA	2114	1/1	0.79	0.21	60,60,60,60	0
55	MG	BA	1682	1/1	0.79	0.12	105,105,105,105	0
55	MG	CA	2962	1/1	0.79	0.14	71,71,71,71	0
55	MG	DV	119	1/1	0.79	0.14	72,72,72,72	0
55	MG	BA	1905	1/1	0.79	0.10	64,64,64,64	0
55	MG	AA	5101	1/1	0.79	0.09	77,77,77,77	0
55	MG	A4	101	1/1	0.79	0.34	117,117,117,117	0
55	MG	CA	4255	1/1	0.79	0.14	89,89,89,89	0
55	MG	BA	1915	1/1	0.79	0.09	58,58,58,58	0
55	MG	CA	4283	1/1	0.79	0.08	55,55,55,55	0
55	MG	CA	3740	1/1	0.79	0.22	77,77,77,77	0
55	MG	AA	4305	1/1	0.79	0.27	55,55,55,55	0
55	MG	AA	4815	1/1	0.79	0.14	102,102,102,102	0
55	MG	BA	1608	1/1	0.79	0.21	69,69,69,69	0
55	MG	DX	101	1/1	0.79	0.09	62,62,62,62	0
55	MG	CA	4316	1/1	0.80	0.13	60,60,60,60	0
55	MG	DA	1656	1/1	0.80	0.10	96,96,96,96	0
55	MG	DA	1932	1/1	0.80	0.14	66,66,66,66	0
55	MG	DA	1937	1/1	0.80	0.23	85,85,85,85	0
55	MG	AA	5141	1/1	0.80	0.14	58,58,58,58	0
55	MG	AA	5269	1/1	0.80	0.22	109,109,109,109	0
55	MG	DA	1951	1/1	0.80	0.16	68,68,68,68	0
55	MG	DA	1952	1/1	0.80	0.12	66,66,66,66	0
55	MG	DA	1670	1/1	0.80	0.14	136,136,136,136	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1785	1/1	0.80	0.18	73,73,73,73	0
55	MG	AA	5018	1/1	0.80	0.13	44,44,44,44	0
55	MG	AA	4077	1/1	0.80	0.13	62,62,62,62	0
55	MG	AA	5168	1/1	0.80	0.07	71,71,71,71	0
55	MG	AA	4329	1/1	0.80	0.27	76,76,76,76	0
55	MG	CA	3177	1/1	0.80	0.21	42,42,42,42	0
55	MG	BA	1800	1/1	0.80	0.08	73,73,73,73	0
55	MG	CA	3271	1/1	0.80	0.24	52,52,52,52	0
55	MG	DA	2062	1/1	0.80	0.10	65,65,65,65	0
55	MG	BA	1802	1/1	0.80	0.27	66,66,66,66	0
55	MG	BI	201	1/1	0.80	0.16	96,96,96,96	0
55	MG	AA	4723	1/1	0.80	0.10	83,83,83,83	0
55	MG	BA	1989	1/1	0.80	0.11	74,74,74,74	0
55	MG	AA	4346	1/1	0.80	0.31	49,49,49,49	0
55	MG	CA	3388	1/1	0.80	0.27	61,61,61,61	0
55	MG	AA	4126	1/1	0.80	0.16	95,95,95,95	0
55	MG	CA	3850	1/1	0.80	0.32	89,89,89,89	0
55	MG	CA	4395	1/1	0.80	0.18	85,85,85,85	0
55	MG	DA	2099	1/1	0.80	0.13	55,55,55,55	0
55	MG	CA	3402	1/1	0.80	0.28	63,63,63,63	0
55	MG	AA	4751	1/1	0.80	0.10	96,96,96,96	0
55	MG	CA	3861	1/1	0.80	0.09	56,56,56,56	0
55	MG	CA	3422	1/1	0.80	0.21	44,44,44,44	0
55	MG	AA	4948	1/1	0.80	0.20	56,56,56,56	0
55	MG	AA	4590	1/1	0.80	0.14	66,66,66,66	0
55	MG	BA	1840	1/1	0.80	0.25	96,96,96,96	0
55	MG	DA	2116	1/1	0.80	0.28	89,89,89,89	0
55	MG	AB	228	1/1	0.80	0.09	75,75,75,75	0
55	MG	CB	223	1/1	0.80	0.09	36,36,36,36	0
55	MG	BA	2026	1/1	0.80	0.12	59,59,59,59	0
55	MG	DA	1814	1/1	0.80	0.10	59,59,59,59	0
55	MG	BA	2028	1/1	0.80	0.09	64,64,64,64	0
55	MG	AA	4957	1/1	0.80	0.08	47,47,47,47	0
55	MG	CA	3913	1/1	0.80	0.08	77,77,77,77	0
55	MG	AA	4166	1/1	0.80	0.12	75,75,75,75	0
55	MG	BA	2047	1/1	0.80	0.08	58,58,58,58	0
55	MG	BA	1658	1/1	0.80	0.14	73,73,73,73	0
55	MG	BA	2052	1/1	0.80	0.26	81,81,81,81	0
55	MG	AA	5083	1/1	0.80	0.07	56,56,56,56	0
55	MG	AA	4470	1/1	0.80	0.18	62,62,62,62	0
55	MG	CA	3972	1/1	0.80	0.17	46,46,46,46	0
55	MG	AB	236	1/1	0.80	0.19	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3580	1/1	0.80	0.11	59,59,59,59	0
55	MG	DA	2166	1/1	0.80	0.14	69,69,69,69	0
55	MG	BW	112	1/1	0.80	0.15	97,97,97,97	0
55	MG	AB	237	1/1	0.80	0.18	72,72,72,72	0
55	MG	CA	4106	1/1	0.80	0.07	49,49,49,49	0
55	MG	BA	2087	1/1	0.80	0.17	94,94,94,94	0
55	MG	AA	4148	1/1	0.80	0.09	71,71,71,71	0
55	MG	AA	4832	1/1	0.80	0.22	75,75,75,75	0
55	MG	AA	4667	1/1	0.80	0.18	120,120,120,120	0
55	MG	CA	2929	1/1	0.80	0.16	81,81,81,81	0
55	MG	AA	4838	1/1	0.80	0.06	73,73,73,73	0
55	MG	CA	3670	1/1	0.80	0.37	78,78,78,78	0
55	MG	AS	202	1/1	0.80	0.10	56,56,56,56	0
55	MG	DL	201	1/1	0.80	0.08	58,58,58,58	0
55	MG	AA	5121	1/1	0.80	0.11	78,78,78,78	0
55	MG	AA	5249	1/1	0.80	0.08	69,69,69,69	0
55	MG	CA	4236	1/1	0.80	0.17	45,45,45,45	0
55	MG	AA	4379	1/1	0.80	0.12	60,60,60,60	0
55	MG	BA	1726	1/1	0.80	0.22	57,57,57,57	0
55	MG	AA	5253	1/1	0.80	0.18	90,90,90,90	0
55	MG	CA	2974	1/1	0.80	0.09	59,59,59,59	0
55	MG	AA	5132	1/1	0.80	0.14	62,62,62,62	0
55	MG	BA	1748	1/1	0.80	0.18	57,57,57,57	0
55	MG	CA	4285	1/1	0.80	0.08	46,46,46,46	0
55	MG	BA	1761	1/1	0.80	0.32	61,61,61,61	0
55	MG	BA	2131	1/1	0.80	0.11	70,70,70,70	0
55	MG	CA	4292	1/1	0.80	0.16	64,64,64,64	0
55	MG	BA	1920	1/1	0.80	0.14	92,92,92,92	0
55	MG	AA	4764	1/1	0.80	0.31	112,112,112,112	0
55	MG	DW	120	1/1	0.80	0.07	73,73,73,73	0
55	MG	CA	4311	1/1	0.80	0.10	65,65,65,65	0
55	MG	CB	209	1/1	0.81	0.11	66,66,66,66	0
55	MG	DA	2001	1/1	0.81	0.09	70,70,70,70	0
55	MG	DA	2017	1/1	0.81	0.21	76,76,76,76	0
55	MG	CA	2990	1/1	0.81	0.09	68,68,68,68	0
55	MG	BA	1644	1/1	0.81	0.18	91,91,91,91	0
55	MG	CA	3003	1/1	0.81	0.09	69,69,69,69	0
55	MG	CA	3013	1/1	0.81	0.27	128,128,128,128	0
55	MG	CA	4036	1/1	0.81	0.20	83,83,83,83	0
55	MG	DA	1790	1/1	0.81	0.21	91,91,91,91	0
55	MG	BA	2158	1/1	0.81	0.09	59,59,59,59	0
55	MG	DA	1795	1/1	0.81	0.13	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1773	1/1	0.81	0.13	74,74,74,74	0
55	MG	BA	2025	1/1	0.81	0.19	62,62,62,62	0
55	MG	BA	1780	1/1	0.81	0.09	72,72,72,72	0
55	MG	AA	4051	1/1	0.81	0.10	54,54,54,54	0
55	MG	CA	3710	1/1	0.81	0.17	89,89,89,89	0
55	MG	DA	2088	1/1	0.81	0.08	94,94,94,94	0
55	MG	AA	4727	1/1	0.81	0.11	75,75,75,75	0
55	MG	AA	4730	1/1	0.81	0.10	73,73,73,73	0
55	MG	DA	2096	1/1	0.81	0.11	38,38,38,38	0
55	MG	AA	5203	1/1	0.81	0.16	80,80,80,80	0
55	MG	AA	5277	1/1	0.81	0.18	72,72,72,72	0
55	MG	DA	2102	1/1	0.81	0.23	87,87,87,87	0
55	MG	CA	3084	1/1	0.81	0.04	95,95,95,95	0
55	MG	AA	4828	1/1	0.81	0.09	53,53,53,53	0
55	MG	BA	1913	1/1	0.81	0.08	84,84,84,84	0
55	MG	BA	2056	1/1	0.81	0.07	72,72,72,72	0
55	MG	CA	3175	1/1	0.81	0.22	28,28,28,28	0
55	MG	AV	201	1/1	0.81	0.05	62,62,62,62	0
55	MG	DA	2115	1/1	0.81	0.33	92,92,92,92	0
55	MG	AA	4132	1/1	0.81	0.15	63,63,63,63	0
55	MG	CA	3235	1/1	0.81	0.16	35,35,35,35	0
55	MG	BA	2083	1/1	0.81	0.07	92,92,92,92	0
55	MG	CA	3277	1/1	0.81	0.21	49,49,49,49	0
55	MG	AA	4748	1/1	0.81	0.10	104,104,104,104	0
55	MG	A3	102	1/1	0.81	0.22	77,77,77,77	0
55	MG	DA	1857	1/1	0.81	0.12	79,79,79,79	0
55	MG	AA	4087	1/1	0.81	0.26	86,86,86,86	0
55	MG	BV	124	1/1	0.81	0.09	62,62,62,62	0
55	MG	BA	1669	1/1	0.81	0.08	60,60,60,60	0
55	MG	DA	1614	1/1	0.81	0.16	91,91,91,91	0
55	MG	CA	3799	1/1	0.81	0.34	111,111,111,111	0
55	MG	BA	1929	1/1	0.81	0.14	72,72,72,72	0
55	MG	DA	1880	1/1	0.81	0.16	104,104,104,104	0
55	MG	AA	4012	1/1	0.81	0.10	65,65,65,65	0
55	MG	AB	211	1/1	0.81	0.22	62,62,62,62	0
55	MG	BA	1944	1/1	0.81	0.11	77,77,77,77	0
55	MG	CA	3833	1/1	0.81	0.16	75,75,75,75	0
55	MG	DA	1629	1/1	0.81	0.14	89,89,89,89	0
55	MG	AA	4377	1/1	0.81	0.27	52,52,52,52	0
55	MG	AA	4578	1/1	0.81	0.10	60,60,60,60	0
55	MG	AA	5143	1/1	0.81	0.28	71,71,71,71	0
55	MG	CA	3436	1/1	0.81	0.26	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	5145	1/1	0.81	0.12	58,58,58,58	0
55	MG	CA	2920	1/1	0.81	0.22	63,63,63,63	0
55	MG	BA	1972	1/1	0.81	0.18	55,55,55,55	0
55	MG	AB	227	1/1	0.81	0.17	95,95,95,95	0
55	MG	DA	2202	1/1	0.81	0.12	80,80,80,80	0
55	MG	BA	1854	1/1	0.81	0.13	71,71,71,71	0
55	MG	BA	1988	1/1	0.81	0.11	66,66,66,66	0
55	MG	AA	4994	1/1	0.81	0.24	63,63,63,63	0
55	MG	DR	102	1/1	0.81	0.09	70,70,70,70	0
55	MG	AA	5050	1/1	0.81	0.20	63,63,63,63	0
55	MG	DA	1673	1/1	0.81	0.23	90,90,90,90	0
55	MG	CA	3889	1/1	0.81	0.09	59,59,59,59	0
55	MG	AA	5165	1/1	0.81	0.24	62,62,62,62	0
55	MG	CA	3537	1/1	0.81	0.13	60,60,60,60	0
55	MG	CA	4394	1/1	0.81	0.24	81,81,81,81	0
55	MG	CA	2944	1/1	0.81	0.24	94,94,94,94	0
55	MG	BA	1999	1/1	0.81	0.19	85,85,85,85	0
55	MG	CA	3563	1/1	0.81	0.31	62,62,62,62	0
55	MG	DA	1943	1/1	0.81	0.15	64,64,64,64	0
55	MG	CA	2949	1/1	0.81	0.11	81,81,81,81	0
55	MG	DA	1950	1/1	0.81	0.56	155,155,155,155	0
55	MG	BA	2144	1/1	0.81	0.15	92,92,92,92	0
55	MG	AA	4538	1/1	0.81	0.11	65,65,65,65	0
55	MG	AA	4821	1/1	0.81	0.07	70,70,70,70	0
55	MG	AA	5001	1/1	0.81	0.19	53,53,53,53	0
55	MG	DA	1756	1/1	0.81	0.16	106,106,106,106	0
55	MG	AA	4518	1/1	0.82	0.58	98,98,98,98	0
55	MG	CA	3501	1/1	0.82	0.27	65,65,65,65	0
55	MG	DA	1992	1/1	0.82	0.08	53,53,53,53	0
55	MG	CA	2973	1/1	0.82	0.24	99,99,99,99	0
55	MG	CA	3529	1/1	0.82	0.16	78,78,78,78	0
55	MG	CA	3536	1/1	0.82	0.20	72,72,72,72	0
55	MG	DA	1722	1/1	0.82	0.15	73,73,73,73	0
55	MG	DA	2002	1/1	0.82	0.07	59,59,59,59	0
55	MG	DA	2014	1/1	0.82	0.11	78,78,78,78	0
55	MG	DA	1725	1/1	0.82	0.21	59,59,59,59	0
55	MG	DA	2023	1/1	0.82	0.17	65,65,65,65	0
55	MG	DA	2037	1/1	0.82	0.18	95,95,95,95	0
55	MG	BA	1606	1/1	0.82	0.11	82,82,82,82	0
55	MG	CA	4377	1/1	0.82	0.16	84,84,84,84	0
55	MG	AA	5280	1/1	0.82	0.16	85,85,85,85	0
55	MG	DA	2054	1/1	0.82	0.12	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	2993	1/1	0.82	0.10	64,64,64,64	0
55	MG	CA	3553	1/1	0.82	0.18	48,48,48,48	0
55	MG	BA	2166	1/1	0.82	0.06	59,59,59,59	0
55	MG	AA	4128	1/1	0.82	0.09	69,69,69,69	0
55	MG	AA	4019	1/1	0.82	0.08	85,85,85,85	0
55	MG	BA	1612	1/1	0.82	0.14	98,98,98,98	0
55	MG	BA	1895	1/1	0.82	0.10	51,51,51,51	0
55	MG	BA	2033	1/1	0.82	0.15	56,56,56,56	0
55	MG	CA	3933	1/1	0.82	0.19	52,52,52,52	0
55	MG	CA	3935	1/1	0.82	0.18	61,61,61,61	0
55	MG	AA	5049	1/1	0.82	0.11	69,69,69,69	0
55	MG	CA	3952	1/1	0.82	0.13	70,70,70,70	0
55	MG	CB	214	1/1	0.82	0.11	74,74,74,74	0
55	MG	DA	2095	1/1	0.82	0.09	79,79,79,79	0
55	MG	AA	4970	1/1	0.82	0.07	60,60,60,60	0
55	MG	CA	3956	1/1	0.82	0.10	64,64,64,64	0
55	MG	BA	1618	1/1	0.82	0.09	62,62,62,62	0
55	MG	AA	4536	1/1	0.82	0.08	126,126,126,126	0
55	MG	CA	3997	1/1	0.82	0.11	51,51,51,51	0
55	MG	CA	3651	1/1	0.82	0.18	70,70,70,70	0
55	MG	AA	4361	1/1	0.82	0.15	47,47,47,47	0
55	MG	AA	4362	1/1	0.82	0.13	49,49,49,49	0
55	MG	BA	1626	1/1	0.82	0.12	81,81,81,81	0
55	MG	CA	3688	1/1	0.82	0.22	70,70,70,70	0
55	MG	CA	3692	1/1	0.82	0.20	65,65,65,65	0
55	MG	CB	251	1/1	0.82	0.11	61,61,61,61	0
55	MG	CA	4112	1/1	0.82	0.09	49,49,49,49	0
55	MG	AA	5206	1/1	0.82	0.32	78,78,78,78	0
55	MG	CA	4133	1/1	0.82	0.10	51,51,51,51	0
55	MG	CA	4140	1/1	0.82	0.14	57,57,57,57	0
55	MG	DA	2125	1/1	0.82	0.15	63,63,63,63	0
55	MG	AA	5086	1/1	0.82	0.12	65,65,65,65	0
55	MG	CA	4176	1/1	0.82	0.06	68,68,68,68	0
55	MG	DA	1855	1/1	0.82	0.10	69,69,69,69	0
55	MG	AA	4309	1/1	0.82	0.18	57,57,57,57	0
55	MG	AA	4761	1/1	0.82	0.09	64,64,64,64	0
55	MG	BA	2093	1/1	0.82	0.26	75,75,75,75	0
55	MG	CA	4207	1/1	0.82	0.19	62,62,62,62	0
55	MG	BA	2096	1/1	0.82	0.08	76,76,76,76	0
55	MG	AA	4479	1/1	0.82	0.16	80,80,80,80	0
55	MG	AA	4136	1/1	0.82	0.09	91,91,91,91	0
55	MG	AA	4559	1/1	0.82	0.15	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3298	1/1	0.82	0.17	56,56,56,56	0
55	MG	AA	4378	1/1	0.82	0.20	54,54,54,54	0
55	MG	BA	1939	1/1	0.82	0.09	69,69,69,69	0
55	MG	CA	3352	1/1	0.82	0.15	61,61,61,61	0
55	MG	AA	4861	1/1	0.82	0.14	79,79,79,79	0
55	MG	AA	4773	1/1	0.82	0.15	69,69,69,69	0
55	MG	AA	4565	1/1	0.82	0.17	61,61,61,61	0
55	MG	AA	4024	1/1	0.82	0.08	82,82,82,82	0
55	MG	DA	1902	1/1	0.82	0.10	70,70,70,70	0
55	MG	CA	4284	1/1	0.82	0.20	63,63,63,63	0
55	MG	CA	3767	1/1	0.82	0.12	66,66,66,66	0
55	MG	BA	1830	1/1	0.82	0.09	61,61,61,61	0
55	MG	AA	5025	1/1	0.82	0.10	92,92,92,92	0
55	MG	DH	201	1/1	0.82	0.13	100,100,100,100	0
55	MG	AA	4802	1/1	0.82	0.13	82,82,82,82	0
55	MG	CA	3412	1/1	0.82	0.08	57,57,57,57	0
55	MG	DO	101	1/1	0.82	0.10	98,98,98,98	0
55	MG	BA	1841	1/1	0.82	0.09	60,60,60,60	0
55	MG	AA	4332	1/1	0.82	0.15	53,53,53,53	0
55	MG	DV	103	1/1	0.82	0.17	79,79,79,79	0
55	MG	AA	5148	1/1	0.82	0.13	59,59,59,59	0
55	MG	BA	2139	1/1	0.82	0.32	96,96,96,96	0
55	MG	DV	116	1/1	0.82	0.19	77,77,77,77	0
55	MG	CA	3439	1/1	0.82	0.08	36,36,36,36	0
55	MG	DA	1921	1/1	0.82	0.14	53,53,53,53	0
55	MG	DA	1654	1/1	0.82	0.30	131,131,131,131	0
55	MG	DA	1925	1/1	0.82	0.10	89,89,89,89	0
55	MG	BA	1665	1/1	0.82	0.18	83,83,83,83	0
55	MG	DW	105	1/1	0.82	0.09	92,92,92,92	0
55	MG	AA	5150	1/1	0.82	0.21	82,82,82,82	0
55	MG	CA	4336	1/1	0.82	0.14	62,62,62,62	0
55	MG	DA	1668	1/1	0.82	0.14	93,93,93,93	0
55	MG	AA	4292	1/1	0.82	0.20	65,65,65,65	0
55	MG	CA	3462	1/1	0.82	0.18	64,64,64,64	0
55	MG	AA	5271	1/1	0.82	0.23	82,82,82,82	0
55	MG	AA	5036	1/1	0.82	0.07	45,45,45,45	0
55	MG	CA	2953	1/1	0.82	0.08	71,71,71,71	0
55	MG	DW	121	1/1	0.82	0.07	62,62,62,62	0
55	MG	AA	5275	1/1	0.82	0.13	59,59,59,59	0
55	MG	CB	264	1/1	0.83	0.09	62,62,62,62	0
55	MG	BA	2011	1/1	0.83	0.12	73,73,73,73	0
55	MG	CE	304	1/1	0.83	0.41	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1820	1/1	0.83	0.11	66,66,66,66	0
55	MG	CA	3943	1/1	0.83	0.31	114,114,114,114	0
55	MG	CA	3466	1/1	0.83	0.14	56,56,56,56	0
55	MG	AA	4481	1/1	0.83	0.31	58,58,58,58	0
55	MG	CA	3491	1/1	0.83	0.19	59,59,59,59	0
55	MG	AA	4633	1/1	0.83	0.11	59,59,59,59	0
55	MG	BA	2022	1/1	0.83	0.07	73,73,73,73	0
55	MG	DA	1924	1/1	0.83	0.10	90,90,90,90	0
55	MG	BA	1638	1/1	0.83	0.06	65,65,65,65	0
55	MG	AA	4643	1/1	0.83	0.14	65,65,65,65	0
55	MG	BW	106	1/1	0.83	0.09	91,91,91,91	0
55	MG	C5	102	1/1	0.83	0.17	55,55,55,55	0
55	MG	BA	1833	1/1	0.83	0.12	55,55,55,55	0
55	MG	CA	4035	1/1	0.83	0.16	50,50,50,50	0
55	MG	DA	1604	1/1	0.83	0.13	101,101,101,101	0
55	MG	CA	3521	1/1	0.83	0.19	42,42,42,42	0
55	MG	BA	1640	1/1	0.83	0.12	75,75,75,75	0
55	MG	CA	4046	1/1	0.83	0.30	59,59,59,59	0
55	MG	BA	1642	1/1	0.83	0.18	67,67,67,67	0
55	MG	BA	2042	1/1	0.83	0.09	73,73,73,73	0
55	MG	CA	3539	1/1	0.83	0.14	78,78,78,78	0
55	MG	AB	207	1/1	0.83	0.07	59,59,59,59	0
55	MG	DA	1621	1/1	0.83	0.08	97,97,97,97	0
55	MG	AA	4729	1/1	0.83	0.06	85,85,85,85	0
55	MG	DA	1623	1/1	0.83	0.10	85,85,85,85	0
55	MG	AA	4644	1/1	0.83	0.21	75,75,75,75	0
55	MG	AA	4831	1/1	0.83	0.17	78,78,78,78	0
55	MG	AA	4550	1/1	0.83	0.09	62,62,62,62	0
55	MG	AA	4746	1/1	0.83	0.06	71,71,71,71	0
55	MG	BA	2060	1/1	0.83	0.08	73,73,73,73	0
55	MG	DA	2028	1/1	0.83	0.23	82,82,82,82	0
55	MG	BA	2067	1/1	0.83	0.06	66,66,66,66	0
55	MG	BA	2068	1/1	0.83	0.18	69,69,69,69	0
55	MG	CA	3608	1/1	0.83	0.13	82,82,82,82	0
55	MG	AA	5027	1/1	0.83	0.13	68,68,68,68	0
55	MG	BA	2075	1/1	0.83	0.07	60,60,60,60	0
55	MG	BA	2078	1/1	0.83	0.17	79,79,79,79	0
55	MG	AA	4380	1/1	0.83	0.24	50,50,50,50	0
55	MG	CA	3627	1/1	0.83	0.22	88,88,88,88	0
55	MG	AA	4389	1/1	0.83	0.17	61,61,61,61	0
55	MG	CA	2954	1/1	0.83	0.13	76,76,76,76	0
55	MG	AA	4505	1/1	0.83	0.12	126,126,126,126	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4007	1/1	0.83	0.12	88,88,88,88	0
55	MG	CA	4259	1/1	0.83	0.18	35,35,35,35	0
55	MG	CA	4277	1/1	0.83	0.14	72,72,72,72	0
55	MG	AA	5204	1/1	0.83	0.10	71,71,71,71	0
55	MG	BA	1881	1/1	0.83	0.15	68,68,68,68	0
55	MG	CA	3694	1/1	0.83	0.07	76,76,76,76	0
55	MG	AA	4577	1/1	0.83	0.21	110,110,110,110	0
55	MG	AA	4115	1/1	0.83	0.07	86,86,86,86	0
55	MG	AA	4584	1/1	0.83	0.14	67,67,67,67	0
55	MG	BA	1890	1/1	0.83	0.10	64,64,64,64	0
55	MG	CA	4302	1/1	0.83	0.25	26,26,26,26	0
55	MG	CA	3011	1/1	0.83	0.12	59,59,59,59	0
55	MG	AA	4119	1/1	0.83	0.16	67,67,67,67	0
55	MG	BA	1678	1/1	0.83	0.15	80,80,80,80	0
55	MG	BA	2109	1/1	0.83	0.19	63,63,63,63	0
55	MG	CA	4319	1/1	0.83	0.09	55,55,55,55	0
55	MG	CA	4327	1/1	0.83	0.07	58,58,58,58	0
55	MG	AA	4898	1/1	0.83	0.18	67,67,67,67	0
55	MG	AD	304	1/1	0.83	0.13	84,84,84,84	0
55	MG	AA	5053	1/1	0.83	0.23	75,75,75,75	0
55	MG	AR	202	1/1	0.83	0.22	78,78,78,78	0
55	MG	DA	1781	1/1	0.83	0.12	107,107,107,107	0
55	MG	CA	3747	1/1	0.83	0.14	46,46,46,46	0
55	MG	BA	1716	1/1	0.83	0.20	56,56,56,56	0
55	MG	AA	4906	1/1	0.83	0.21	63,63,63,63	0
55	MG	AA	4162	1/1	0.83	0.14	67,67,67,67	0
55	MG	DA	2130	1/1	0.83	0.12	84,84,84,84	0
55	MG	CA	3755	1/1	0.83	0.08	52,52,52,52	0
55	MG	CA	4350	1/1	0.83	0.23	77,77,77,77	0
55	MG	AA	4693	1/1	0.83	0.08	80,80,80,80	0
55	MG	AA	4942	1/1	0.83	0.14	56,56,56,56	0
55	MG	AA	5088	1/1	0.83	0.19	78,78,78,78	0
55	MG	CA	3097	1/1	0.83	0.12	60,60,60,60	0
55	MG	BA	1752	1/1	0.83	0.23	69,69,69,69	0
55	MG	CA	3144	1/1	0.83	0.28	29,29,29,29	0
55	MG	BA	1757	1/1	0.83	0.10	66,66,66,66	0
55	MG	AA	4465	1/1	0.83	0.16	57,57,57,57	0
55	MG	BA	1933	1/1	0.83	0.17	64,64,64,64	0
55	MG	AA	5095	1/1	0.83	0.24	57,57,57,57	0
55	MG	DA	1825	1/1	0.83	0.14	66,66,66,66	0
55	MG	AA	4085	1/1	0.83	0.12	89,89,89,89	0
55	MG	AA	4607	1/1	0.83	0.10	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1778	1/1	0.83	0.09	64,64,64,64	0
55	MG	CA	3309	1/1	0.83	0.14	61,61,61,61	0
55	MG	DA	1836	1/1	0.83	0.18	80,80,80,80	0
55	MG	DA	1837	1/1	0.83	0.09	88,88,88,88	0
55	MG	DA	1843	1/1	0.83	0.08	60,60,60,60	0
55	MG	CA	4397	1/1	0.83	0.21	69,69,69,69	0
55	MG	DA	1846	1/1	0.83	0.37	133,133,133,133	0
55	MG	AA	4014	1/1	0.83	0.14	80,80,80,80	0
55	MG	AA	5110	1/1	0.83	0.14	60,60,60,60	0
55	MG	CA	3347	1/1	0.83	0.13	60,60,60,60	0
55	MG	CA	3350	1/1	0.83	0.22	47,47,47,47	0
55	MG	BA	1954	1/1	0.83	0.24	56,56,56,56	0
55	MG	BA	1784	1/1	0.83	0.11	47,47,47,47	0
55	MG	AA	4714	1/1	0.83	0.28	73,73,73,73	0
55	MG	CB	211	1/1	0.83	0.14	90,90,90,90	0
55	MG	AA	4054	1/1	0.83	0.19	79,79,79,79	0
55	MG	AA	5129	1/1	0.83	0.17	66,66,66,66	0
55	MG	DV	111	1/1	0.83	0.13	75,75,75,75	0
55	MG	BR	101	1/1	0.83	0.11	77,77,77,77	0
55	MG	AA	4979	1/1	0.83	0.17	83,83,83,83	0
55	MG	CB	229	1/1	0.83	0.08	84,84,84,84	0
55	MG	DA	1873	1/1	0.83	0.12	90,90,90,90	0
55	MG	BA	1980	1/1	0.83	0.14	53,53,53,53	0
55	MG	DA	1881	1/1	0.83	0.16	92,92,92,92	0
55	MG	AA	4477	1/1	0.83	0.25	59,59,59,59	0
55	MG	CA	3892	1/1	0.83	0.15	63,63,63,63	0
55	MG	CA	3899	1/1	0.83	0.08	71,71,71,71	0
55	MG	BA	1798	1/1	0.83	0.10	60,60,60,60	0
55	MG	AA	5133	1/1	0.83	0.27	74,74,74,74	0
55	MG	AA	4152	1/1	0.83	0.09	68,68,68,68	0
55	MG	CA	3434	1/1	0.83	0.46	56,56,56,56	0
55	MG	BA	1807	1/1	0.83	0.16	77,77,77,77	0
55	MG	BA	2000	1/1	0.83	0.12	76,76,76,76	0
55	MG	AA	4814	1/1	0.83	0.09	75,75,75,75	0
55	MG	AA	4545	1/1	0.83	0.16	65,65,65,65	0
55	MG	BA	2089	1/1	0.84	0.16	66,66,66,66	0
55	MG	AA	4081	1/1	0.84	0.11	78,78,78,78	0
55	MG	CA	4000	1/1	0.84	0.12	47,47,47,47	0
55	MG	BA	1723	1/1	0.84	0.19	38,38,38,38	0
55	MG	CA	4022	1/1	0.84	0.16	55,55,55,55	0
55	MG	AA	4677	1/1	0.84	0.38	95,95,95,95	0
55	MG	BA	2098	1/1	0.84	0.15	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3560	1/1	0.84	0.13	69,69,69,69	0
55	MG	CA	2950	1/1	0.84	0.19	84,84,84,84	0
55	MG	BA	1736	1/1	0.84	0.17	36,36,36,36	0
55	MG	CA	3578	1/1	0.84	0.09	58,58,58,58	0
55	MG	AA	4750	1/1	0.84	0.20	62,62,62,62	0
55	MG	AA	5232	1/1	0.84	0.06	76,76,76,76	0
55	MG	CA	3591	1/1	0.84	0.15	58,58,58,58	0
55	MG	AA	5100	1/1	0.84	0.30	91,91,91,91	0
55	MG	AA	5236	1/1	0.84	0.24	66,66,66,66	0
55	MG	AA	4540	1/1	0.84	0.18	87,87,87,87	0
55	MG	AA	5102	1/1	0.84	0.16	50,50,50,50	0
55	MG	CA	2989	1/1	0.84	0.07	83,83,83,83	0
55	MG	DA	1933	1/1	0.84	0.13	61,61,61,61	0
55	MG	DA	1934	1/1	0.84	0.07	75,75,75,75	0
55	MG	AA	5109	1/1	0.84	0.20	88,88,88,88	0
55	MG	CA	4186	1/1	0.84	0.12	47,47,47,47	0
55	MG	CA	4193	1/1	0.84	0.11	58,58,58,58	0
55	MG	AA	4482	1/1	0.84	0.10	67,67,67,67	0
55	MG	CA	4205	1/1	0.84	0.14	82,82,82,82	0
55	MG	BA	2121	1/1	0.84	0.11	81,81,81,81	0
55	MG	CA	3639	1/1	0.84	0.12	78,78,78,78	0
55	MG	AA	5114	1/1	0.84	0.06	53,53,53,53	0
55	MG	DA	1955	1/1	0.84	0.08	24,24,24,24	0
55	MG	DA	1633	1/1	0.84	0.14	94,94,94,94	0
55	MG	DA	1635	1/1	0.84	0.17	93,93,93,93	0
55	MG	CA	3005	1/1	0.84	0.20	91,91,91,91	0
55	MG	CA	3660	1/1	0.84	0.08	60,60,60,60	0
55	MG	DA	1644	1/1	0.84	0.09	92,92,92,92	0
55	MG	AA	4834	1/1	0.84	0.09	50,50,50,50	0
55	MG	CA	3680	1/1	0.84	0.12	54,54,54,54	0
55	MG	AA	5255	1/1	0.84	0.26	61,61,61,61	0
55	MG	BA	1941	1/1	0.84	0.17	81,81,81,81	0
55	MG	AA	4235	1/1	0.84	0.16	59,59,59,59	0
55	MG	DA	2031	1/1	0.84	0.07	58,58,58,58	0
55	MG	DA	2033	1/1	0.84	0.13	45,45,45,45	0
55	MG	BA	1783	1/1	0.84	0.14	82,82,82,82	0
55	MG	AA	4689	1/1	0.84	0.18	64,64,64,64	0
55	MG	DA	2044	1/1	0.84	0.20	65,65,65,65	0
55	MG	CA	4263	1/1	0.84	0.13	61,61,61,61	0
55	MG	AA	4445	1/1	0.84	0.17	61,61,61,61	0
55	MG	CA	3709	1/1	0.84	0.38	82,82,82,82	0
55	MG	AA	4855	1/1	0.84	0.18	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1619	1/1	0.84	0.12	81,81,81,81	0
55	MG	AA	4446	1/1	0.84	0.19	51,51,51,51	0
55	MG	AA	4084	1/1	0.84	0.23	61,61,61,61	0
55	MG	CA	3727	1/1	0.84	0.36	89,89,89,89	0
55	MG	AA	4315	1/1	0.84	0.26	55,55,55,55	0
55	MG	CA	4297	1/1	0.84	0.14	49,49,49,49	0
55	MG	CA	4298	1/1	0.84	0.14	62,62,62,62	0
55	MG	AA	4561	1/1	0.84	0.22	67,67,67,67	0
55	MG	AA	4321	1/1	0.84	0.16	53,53,53,53	0
55	MG	CA	3095	1/1	0.84	0.06	82,82,82,82	0
55	MG	DA	1724	1/1	0.84	0.14	41,41,41,41	0
55	MG	AA	4015	1/1	0.84	0.24	71,71,71,71	0
55	MG	BA	2160	1/1	0.84	0.17	91,91,91,91	0
55	MG	BA	2161	1/1	0.84	0.14	69,69,69,69	0
55	MG	CA	3158	1/1	0.84	0.10	9,9,9,9	0
55	MG	BA	1808	1/1	0.84	0.13	67,67,67,67	0
55	MG	BA	1633	1/1	0.84	0.11	101,101,101,101	0
55	MG	DA	1758	1/1	0.84	0.12	106,106,106,106	0
55	MG	DA	1761	1/1	0.84	0.43	76,76,76,76	0
55	MG	AA	5292	1/1	0.84	0.17	76,76,76,76	0
55	MG	AA	4575	1/1	0.84	0.09	87,87,87,87	0
55	MG	AA	4524	1/1	0.84	0.21	87,87,87,87	0
55	MG	DA	2113	1/1	0.84	0.06	46,46,46,46	0
55	MG	AA	5152	1/1	0.84	0.22	71,71,71,71	0
55	MG	BQ	202	1/1	0.84	0.16	78,78,78,78	0
55	MG	DA	1783	1/1	0.84	0.14	72,72,72,72	0
55	MG	DA	1784	1/1	0.84	0.08	133,133,133,133	0
55	MG	AA	5154	1/1	0.84	0.13	45,45,45,45	0
55	MG	DA	1787	1/1	0.84	0.17	81,81,81,81	0
55	MG	AA	4916	1/1	0.84	0.17	58,58,58,58	0
55	MG	CA	3793	1/1	0.84	0.15	77,77,77,77	0
55	MG	AA	4654	1/1	0.84	0.12	42,42,42,42	0
55	MG	AA	5038	1/1	0.84	0.15	52,52,52,52	0
55	MG	DA	2134	1/1	0.84	0.14	74,74,74,74	0
55	MG	CA	4356	1/1	0.84	0.15	60,60,60,60	0
55	MG	CA	4357	1/1	0.84	0.10	49,49,49,49	0
55	MG	DA	1803	1/1	0.84	0.08	56,56,56,56	0
55	MG	DA	1804	1/1	0.84	0.20	69,69,69,69	0
55	MG	AA	5171	1/1	0.84	0.14	53,53,53,53	0
55	MG	CA	4361	1/1	0.84	0.28	65,65,65,65	0
55	MG	BA	2021	1/1	0.84	0.12	75,75,75,75	0
55	MG	CA	3355	1/1	0.84	0.12	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4928	1/1	0.84	0.11	54,54,54,54	0
55	MG	CA	3814	1/1	0.84	0.16	76,76,76,76	0
55	MG	DA	1815	1/1	0.84	0.12	75,75,75,75	0
55	MG	BA	1653	1/1	0.84	0.13	76,76,76,76	0
55	MG	AA	4722	1/1	0.84	0.15	56,56,56,56	0
55	MG	AA	4330	1/1	0.84	0.12	72,72,72,72	0
55	MG	AA	4147	1/1	0.84	0.18	75,75,75,75	0
55	MG	DA	1826	1/1	0.84	0.33	73,73,73,73	0
55	MG	AA	5189	1/1	0.84	0.34	65,65,65,65	0
55	MG	AA	5195	1/1	0.84	0.56	80,80,80,80	0
55	MG	AA	4660	1/1	0.84	0.19	140,140,140,140	0
55	MG	CA	3418	1/1	0.84	0.59	49,49,49,49	0
55	MG	BA	1863	1/1	0.84	0.11	56,56,56,56	0
55	MG	DA	2200	1/1	0.84	0.09	61,61,61,61	0
55	MG	AA	5059	1/1	0.84	0.09	48,48,48,48	0
55	MG	BA	1870	1/1	0.84	0.13	92,92,92,92	0
55	MG	AA	4953	1/1	0.84	0.14	85,85,85,85	0
55	MG	CA	3877	1/1	0.84	0.12	65,65,65,65	0
55	MG	DJ	201	1/1	0.84	0.09	83,83,83,83	0
55	MG	BW	105	1/1	0.84	0.07	69,69,69,69	0
55	MG	DM	201	1/1	0.84	0.11	69,69,69,69	0
55	MG	BA	1873	1/1	0.84	0.15	80,80,80,80	0
55	MG	DQ	201	1/1	0.84	0.14	57,57,57,57	0
55	MG	CA	3888	1/1	0.84	0.15	73,73,73,73	0
55	MG	AA	4155	1/1	0.84	0.42	75,75,75,75	0
55	MG	AB	240	1/1	0.84	0.08	65,65,65,65	0
55	MG	CA	3894	1/1	0.84	0.21	55,55,55,55	0
55	MG	AA	4967	1/1	0.84	0.11	60,60,60,60	0
55	MG	BW	113	1/1	0.84	0.06	56,56,56,56	0
55	MG	DV	114	1/1	0.84	0.13	68,68,68,68	0
55	MG	BW	114	1/1	0.84	0.07	58,58,58,58	0
55	MG	CA	3468	1/1	0.84	0.11	59,59,59,59	0
55	MG	AA	4349	1/1	0.84	0.39	56,56,56,56	0
55	MG	BW	117	1/1	0.84	0.06	77,77,77,77	0
55	MG	AA	4592	1/1	0.84	0.12	61,61,61,61	0
55	MG	CA	2912	1/1	0.84	0.11	85,85,85,85	0
55	MG	CA	2919	1/1	0.84	0.20	62,62,62,62	0
55	MG	BA	2077	1/1	0.84	0.19	72,72,72,72	0
55	MG	CA	3500	1/1	0.84	0.27	69,69,69,69	0
55	MG	DA	1885	1/1	0.84	0.09	71,71,71,71	0
55	MG	DW	112	1/1	0.84	0.12	71,71,71,71	0
55	MG	AA	4972	1/1	0.84	0.14	171,171,171,171	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3949	1/1	0.84	0.28	110,110,110,110	0
55	MG	AG	202	1/1	0.84	0.16	76,76,76,76	0
55	MG	AJ	201	1/1	0.84	0.13	60,60,60,60	0
55	MG	CA	3522	1/1	0.84	0.13	56,56,56,56	0
55	MG	BA	1715	1/1	0.84	0.12	63,63,63,63	0
55	MG	AN	203	1/1	0.84	0.05	64,64,64,64	0
55	MG	AA	4489	1/1	0.85	0.11	94,94,94,94	0
55	MG	CA	3014	1/1	0.85	0.24	68,68,68,68	0
55	MG	CA	3036	1/1	0.85	0.14	77,77,77,77	0
55	MG	CA	3038	1/1	0.85	0.39	52,52,52,52	0
55	MG	CA	4075	1/1	0.85	0.27	69,69,69,69	0
55	MG	CA	4084	1/1	0.85	0.19	67,67,67,67	0
55	MG	CA	3040	1/1	0.85	0.10	60,60,60,60	0
55	MG	CA	3048	1/1	0.85	0.12	88,88,88,88	0
55	MG	CA	3054	1/1	0.85	0.26	68,68,68,68	0
55	MG	AA	5130	1/1	0.85	0.21	83,83,83,83	0
55	MG	AA	4662	1/1	0.85	0.27	77,77,77,77	0
55	MG	CA	4141	1/1	0.85	0.17	54,54,54,54	0
55	MG	AE	303	1/1	0.85	0.12	53,53,53,53	0
55	MG	CA	3647	1/1	0.85	0.30	69,69,69,69	0
55	MG	AA	4492	1/1	0.85	0.11	41,41,41,41	0
55	MG	AA	4807	1/1	0.85	0.10	88,88,88,88	0
55	MG	BA	1668	1/1	0.85	0.11	57,57,57,57	0
55	MG	CA	4190	1/1	0.85	0.12	51,51,51,51	0
55	MG	DA	1935	1/1	0.85	0.13	69,69,69,69	0
55	MG	DA	1936	1/1	0.85	0.06	60,60,60,60	0
55	MG	AA	4125	1/1	0.85	0.11	66,66,66,66	0
55	MG	CA	3077	1/1	0.85	0.13	91,91,91,91	0
55	MG	AA	4926	1/1	0.85	0.11	53,53,53,53	0
55	MG	BE	202	1/1	0.85	0.18	65,65,65,65	0
55	MG	AA	4165	1/1	0.85	0.17	104,104,104,104	0
55	MG	AA	5258	1/1	0.85	0.12	76,76,76,76	0
55	MG	AA	4935	1/1	0.85	0.12	46,46,46,46	0
55	MG	CA	3090	1/1	0.85	0.32	82,82,82,82	0
55	MG	CA	4232	1/1	0.85	0.06	73,73,73,73	0
55	MG	CA	3706	1/1	0.85	0.18	48,48,48,48	0
55	MG	DA	1645	1/1	0.85	0.21	131,131,131,131	0
55	MG	AA	4057	1/1	0.85	0.09	71,71,71,71	0
55	MG	DA	1647	1/1	0.85	0.07	57,57,57,57	0
55	MG	BA	1858	1/1	0.85	0.18	88,88,88,88	0
55	MG	BA	1862	1/1	0.85	0.08	65,65,65,65	0
55	MG	AA	5147	1/1	0.85	0.18	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3721	1/1	0.85	0.13	56,56,56,56	0
55	MG	BA	1696	1/1	0.85	0.19	50,50,50,50	0
55	MG	CA	4261	1/1	0.85	0.10	48,48,48,48	0
55	MG	CA	3165	1/1	0.85	0.15	26,26,26,26	0
55	MG	CA	4264	1/1	0.85	0.08	68,68,68,68	0
55	MG	CA	4274	1/1	0.85	0.12	42,42,42,42	0
55	MG	AA	5268	1/1	0.85	0.08	62,62,62,62	0
55	MG	BA	1713	1/1	0.85	0.12	53,53,53,53	0
55	MG	AA	4463	1/1	0.85	0.14	35,35,35,35	0
55	MG	A5	102	1/1	0.85	0.32	62,62,62,62	0
55	MG	BA	1717	1/1	0.85	0.20	75,75,75,75	0
55	MG	BA	1602	1/1	0.85	0.15	101,101,101,101	0
55	MG	AA	4817	1/1	0.85	0.14	98,98,98,98	0
55	MG	CA	3748	1/1	0.85	0.09	56,56,56,56	0
55	MG	DA	1714	1/1	0.85	0.17	46,46,46,46	0
55	MG	CA	4296	1/1	0.85	0.27	78,78,78,78	0
55	MG	AA	4742	1/1	0.85	0.08	69,69,69,69	0
55	MG	DA	2068	1/1	0.85	0.14	105,105,105,105	0
55	MG	CA	3310	1/1	0.85	0.17	48,48,48,48	0
55	MG	DA	2072	1/1	0.85	0.09	49,49,49,49	0
55	MG	DA	1723	1/1	0.85	0.14	65,65,65,65	0
55	MG	BA	2059	1/1	0.85	0.09	48,48,48,48	0
55	MG	AA	4615	1/1	0.85	0.25	79,79,79,79	0
55	MG	DA	2084	1/1	0.85	0.05	67,67,67,67	0
55	MG	DA	2085	1/1	0.85	0.16	68,68,68,68	0
55	MG	DA	1742	1/1	0.85	0.16	53,53,53,53	0
55	MG	DA	2089	1/1	0.85	0.12	58,58,58,58	0
55	MG	AA	4823	1/1	0.85	0.09	51,51,51,51	0
55	MG	DA	1748	1/1	0.85	0.19	73,73,73,73	0
55	MG	CA	3759	1/1	0.85	0.15	57,57,57,57	0
55	MG	BA	1893	1/1	0.85	0.18	102,102,102,102	0
55	MG	CA	3351	1/1	0.85	0.11	39,39,39,39	0
55	MG	AA	5056	1/1	0.85	0.16	63,63,63,63	0
55	MG	BA	1896	1/1	0.85	0.14	66,66,66,66	0
55	MG	BA	2076	1/1	0.85	0.11	66,66,66,66	0
55	MG	DA	1766	1/1	0.85	0.07	91,91,91,91	0
55	MG	AA	5289	1/1	0.85	0.05	73,73,73,73	0
55	MG	BA	1749	1/1	0.85	0.21	50,50,50,50	0
55	MG	CA	3376	1/1	0.85	0.14	44,44,44,44	0
55	MG	AA	4102	1/1	0.85	0.18	58,58,58,58	0
55	MG	AA	5062	1/1	0.85	0.15	56,56,56,56	0
55	MG	BA	1760	1/1	0.85	0.08	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4514	1/1	0.85	0.24	81,81,81,81	0
55	MG	BA	1911	1/1	0.85	0.14	73,73,73,73	0
55	MG	DA	2118	1/1	0.85	0.07	54,54,54,54	0
55	MG	AA	4049	1/1	0.85	0.05	60,60,60,60	0
55	MG	BA	1768	1/1	0.85	0.09	89,89,89,89	0
55	MG	CA	2913	1/1	0.85	0.10	77,77,77,77	0
55	MG	DA	2124	1/1	0.85	0.25	88,88,88,88	0
55	MG	CA	3837	1/1	0.85	0.09	71,71,71,71	0
55	MG	AA	4257	1/1	0.85	0.32	41,41,41,41	0
55	MG	DA	1796	1/1	0.85	0.10	62,62,62,62	0
55	MG	CA	4359	1/1	0.85	0.12	56,56,56,56	0
55	MG	BA	1919	1/1	0.85	0.13	59,59,59,59	0
55	MG	CA	4362	1/1	0.85	0.09	58,58,58,58	0
55	MG	AA	4756	1/1	0.85	0.13	69,69,69,69	0
55	MG	AA	4003	1/1	0.85	0.09	57,57,57,57	0
55	MG	CA	3440	1/1	0.85	0.11	52,52,52,52	0
55	MG	AA	4700	1/1	0.85	0.10	107,107,107,107	0
55	MG	AB	218	1/1	0.85	0.12	93,93,93,93	0
55	MG	AA	5198	1/1	0.85	0.07	62,62,62,62	0
55	MG	CA	4378	1/1	0.85	0.12	42,42,42,42	0
55	MG	CA	3459	1/1	0.85	0.08	45,45,45,45	0
55	MG	DA	2154	1/1	0.85	0.09	68,68,68,68	0
55	MG	BA	1632	1/1	0.85	0.15	79,79,79,79	0
55	MG	CA	3881	1/1	0.85	0.09	84,84,84,84	0
55	MG	AA	4634	1/1	0.85	0.13	86,86,86,86	0
55	MG	CA	2940	1/1	0.85	0.17	78,78,78,78	0
55	MG	CA	2941	1/1	0.85	0.27	71,71,71,71	0
55	MG	AA	4640	1/1	0.85	0.23	73,73,73,73	0
55	MG	BA	2115	1/1	0.85	0.10	56,56,56,56	0
55	MG	AB	224	1/1	0.85	0.13	94,94,94,94	0
55	MG	AA	4270	1/1	0.85	0.24	45,45,45,45	0
55	MG	AA	4478	1/1	0.85	0.17	44,44,44,44	0
55	MG	BA	1947	1/1	0.85	0.08	69,69,69,69	0
55	MG	BA	2127	1/1	0.85	0.09	69,69,69,69	0
55	MG	CA	3908	1/1	0.85	0.25	55,55,55,55	0
55	MG	CA	3507	1/1	0.85	0.22	55,55,55,55	0
55	MG	CA	3508	1/1	0.85	0.21	89,89,89,89	0
55	MG	DH	202	1/1	0.85	0.21	87,87,87,87	0
55	MG	AA	4860	1/1	0.85	0.21	66,66,66,66	0
55	MG	CA	3518	1/1	0.85	0.19	75,75,75,75	0
55	MG	AA	5007	1/1	0.85	0.12	60,60,60,60	0
55	MG	CB	230	1/1	0.85	0.16	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3931	1/1	0.85	0.10	75,75,75,75	0
55	MG	CA	2970	1/1	0.85	0.20	78,78,78,78	0
55	MG	AA	5104	1/1	0.85	0.14	54,54,54,54	0
55	MG	CA	3936	1/1	0.85	0.41	82,82,82,82	0
55	MG	DA	1864	1/1	0.85	0.46	97,97,97,97	0
55	MG	CB	237	1/1	0.85	0.11	72,72,72,72	0
55	MG	CA	3532	1/1	0.85	0.22	64,64,64,64	0
55	MG	DA	1867	1/1	0.85	0.08	63,63,63,63	0
55	MG	BA	1964	1/1	0.85	0.16	70,70,70,70	0
55	MG	CA	2977	1/1	0.85	0.22	88,88,88,88	0
55	MG	CA	2978	1/1	0.85	0.17	56,56,56,56	0
55	MG	CA	2982	1/1	0.85	0.13	69,69,69,69	0
55	MG	DV	122	1/1	0.85	0.12	63,63,63,63	0
55	MG	AA	5008	1/1	0.85	0.29	71,71,71,71	0
55	MG	BA	1648	1/1	0.85	0.11	61,61,61,61	0
55	MG	AA	4582	1/1	0.85	0.11	62,62,62,62	0
55	MG	CA	3990	1/1	0.85	0.14	39,39,39,39	0
55	MG	CA	2998	1/1	0.85	0.23	62,62,62,62	0
55	MG	DA	1889	1/1	0.85	0.17	107,107,107,107	0
55	MG	DW	108	1/1	0.85	0.09	141,141,141,141	0
55	MG	AA	4409	1/1	0.85	0.13	83,83,83,83	0
55	MG	CA	4008	1/1	0.85	0.11	61,61,61,61	0
55	MG	CK	202	1/1	0.85	0.11	57,57,57,57	0
55	MG	CA	3572	1/1	0.85	0.13	59,59,59,59	0
55	MG	DW	116	1/1	0.85	0.07	129,129,129,129	0
55	MG	AA	5116	1/1	0.85	0.06	50,50,50,50	0
55	MG	CP	201	1/1	0.85	0.08	57,57,57,57	0
55	MG	AA	4436	1/1	0.85	0.07	76,76,76,76	0
55	MG	DA	1905	1/1	0.85	0.11	113,113,113,113	0
55	MG	AA	4328	1/1	0.85	0.24	40,40,40,40	0
55	MG	CA	3906	1/1	0.86	0.12	47,47,47,47	0
55	MG	AA	4231	1/1	0.86	0.21	48,48,48,48	0
55	MG	CA	2922	1/1	0.86	0.09	56,56,56,56	0
55	MG	AA	4153	1/1	0.86	0.10	62,62,62,62	0
55	MG	CA	3911	1/1	0.86	0.19	63,63,63,63	0
55	MG	BA	1675	1/1	0.86	0.15	60,60,60,60	0
55	MG	BA	2073	1/1	0.86	0.09	68,68,68,68	0
55	MG	CA	3915	1/1	0.86	0.28	80,80,80,80	0
55	MG	AA	4241	1/1	0.86	0.17	36,36,36,36	0
55	MG	BA	1878	1/1	0.86	0.20	77,77,77,77	0
55	MG	AA	4486	1/1	0.86	0.05	60,60,60,60	0
55	MG	AB	250	1/1	0.86	0.06	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CB	256	1/1	0.86	0.08	59,59,59,59	0
55	MG	AA	4407	1/1	0.86	0.16	58,58,58,58	0
55	MG	BA	1683	1/1	0.86	0.19	29,29,29,29	0
55	MG	DA	1915	1/1	0.86	0.10	113,113,113,113	0
55	MG	CA	3939	1/1	0.86	0.15	65,65,65,65	0
55	MG	CA	2945	1/1	0.86	0.14	99,99,99,99	0
55	MG	CA	3944	1/1	0.86	0.09	39,39,39,39	0
55	MG	BA	2084	1/1	0.86	0.20	71,71,71,71	0
55	MG	AA	4408	1/1	0.86	0.16	50,50,50,50	0
55	MG	AA	4501	1/1	0.86	0.12	73,73,73,73	0
55	MG	AA	5111	1/1	0.86	0.17	53,53,53,53	0
55	MG	BA	2090	1/1	0.86	0.16	55,55,55,55	0
55	MG	CA	3962	1/1	0.86	0.13	28,28,28,28	0
55	MG	AA	5235	1/1	0.86	0.13	67,67,67,67	0
55	MG	CA	2957	1/1	0.86	0.12	73,73,73,73	0
55	MG	AA	4658	1/1	0.86	0.13	56,56,56,56	0
55	MG	AA	4071	1/1	0.86	0.30	54,54,54,54	0
55	MG	AA	5243	1/1	0.86	0.18	107,107,107,107	0
55	MG	AA	5117	1/1	0.86	0.34	77,77,77,77	0
55	MG	AA	5245	1/1	0.86	0.40	76,76,76,76	0
55	MG	BA	1904	1/1	0.86	0.10	79,79,79,79	0
55	MG	BA	1731	1/1	0.86	0.16	37,37,37,37	0
55	MG	BA	1906	1/1	0.86	0.19	90,90,90,90	0
55	MG	DA	1945	1/1	0.86	0.07	78,78,78,78	0
55	MG	DA	1946	1/1	0.86	0.09	86,86,86,86	0
55	MG	CA	3571	1/1	0.86	0.26	88,88,88,88	0
55	MG	CA	2983	1/1	0.86	0.15	64,64,64,64	0
55	MG	CA	3577	1/1	0.86	0.16	69,69,69,69	0
55	MG	CA	4048	1/1	0.86	0.07	65,65,65,65	0
55	MG	CA	4051	1/1	0.86	0.20	54,54,54,54	0
55	MG	BA	1907	1/1	0.86	0.21	58,58,58,58	0
55	MG	DA	1973	1/1	0.86	0.13	49,49,49,49	0
55	MG	DA	1981	1/1	0.86	0.12	68,68,68,68	0
55	MG	DA	1618	1/1	0.86	0.16	85,85,85,85	0
55	MG	CA	4072	1/1	0.86	0.16	61,61,61,61	0
55	MG	BA	2111	1/1	0.86	0.11	96,96,96,96	0
55	MG	CA	4080	1/1	0.86	0.23	59,59,59,59	0
55	MG	AA	4420	1/1	0.86	0.15	52,52,52,52	0
55	MG	AA	4435	1/1	0.86	0.08	38,38,38,38	0
55	MG	DA	2009	1/1	0.86	0.12	55,55,55,55	0
55	MG	CA	4107	1/1	0.86	0.08	52,52,52,52	0
55	MG	AA	4080	1/1	0.86	0.21	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	4117	1/1	0.86	0.35	76,76,76,76	0
55	MG	DA	2027	1/1	0.86	0.11	57,57,57,57	0
55	MG	AA	4053	1/1	0.86	0.09	107,107,107,107	0
55	MG	AA	5254	1/1	0.86	0.14	54,54,54,54	0
55	MG	AA	4589	1/1	0.86	0.11	70,70,70,70	0
55	MG	DA	2035	1/1	0.86	0.19	59,59,59,59	0
55	MG	BA	1605	1/1	0.86	0.24	75,75,75,75	0
55	MG	BA	1921	1/1	0.86	0.15	42,42,42,42	0
55	MG	CA	4173	1/1	0.86	0.12	49,49,49,49	0
55	MG	CA	3022	1/1	0.86	0.17	56,56,56,56	0
55	MG	DA	2046	1/1	0.86	0.10	47,47,47,47	0
55	MG	CA	3029	1/1	0.86	0.10	79,79,79,79	0
55	MG	CA	3628	1/1	0.86	0.20	69,69,69,69	0
55	MG	AA	4273	1/1	0.86	0.24	43,43,43,43	0
55	MG	DA	2058	1/1	0.86	0.20	86,86,86,86	0
55	MG	CA	3640	1/1	0.86	0.13	73,73,73,73	0
55	MG	CA	3641	1/1	0.86	0.20	57,57,57,57	0
55	MG	AA	4457	1/1	0.86	0.21	71,71,71,71	0
55	MG	CA	4202	1/1	0.86	0.24	61,61,61,61	0
55	MG	DA	1659	1/1	0.86	0.14	83,83,83,83	0
55	MG	AA	4593	1/1	0.86	0.22	82,82,82,82	0
55	MG	DA	2069	1/1	0.86	0.12	76,76,76,76	0
55	MG	DA	1661	1/1	0.86	0.08	64,64,64,64	0
55	MG	DA	1662	1/1	0.86	0.14	64,64,64,64	0
55	MG	CA	3653	1/1	0.86	0.19	82,82,82,82	0
55	MG	CA	4210	1/1	0.86	0.12	63,63,63,63	0
55	MG	DA	2077	1/1	0.86	0.10	109,109,109,109	0
55	MG	BA	1609	1/1	0.86	0.13	88,88,88,88	0
55	MG	CA	3655	1/1	0.86	0.21	63,63,63,63	0
55	MG	CA	3051	1/1	0.86	0.11	95,95,95,95	0
55	MG	CA	3663	1/1	0.86	0.08	44,44,44,44	0
55	MG	BA	2133	1/1	0.86	0.14	77,77,77,77	0
55	MG	CA	3671	1/1	0.86	0.18	87,87,87,87	0
55	MG	BA	2137	1/1	0.86	0.13	75,75,75,75	0
55	MG	CA	4237	1/1	0.86	0.10	55,55,55,55	0
55	MG	DA	1695	1/1	0.86	0.15	55,55,55,55	0
55	MG	BA	1932	1/1	0.86	0.36	99,99,99,99	0
55	MG	AA	5140	1/1	0.86	0.25	84,84,84,84	0
55	MG	AA	4517	1/1	0.86	0.12	48,48,48,48	0
55	MG	CA	3067	1/1	0.86	0.06	73,73,73,73	0
55	MG	CA	4258	1/1	0.86	0.16	48,48,48,48	0
55	MG	BA	1614	1/1	0.86	0.21	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	5142	1/1	0.86	0.14	69,69,69,69	0
55	MG	DA	1729	1/1	0.86	0.14	47,47,47,47	0
55	MG	BA	1616	1/1	0.86	0.12	65,65,65,65	0
55	MG	AA	4067	1/1	0.86	0.16	82,82,82,82	0
55	MG	CA	4266	1/1	0.86	0.16	63,63,63,63	0
55	MG	CA	4269	1/1	0.86	0.15	49,49,49,49	0
55	MG	AA	5144	1/1	0.86	0.10	59,59,59,59	0
55	MG	AA	4691	1/1	0.86	0.12	76,76,76,76	0
55	MG	DA	2120	1/1	0.86	0.17	95,95,95,95	0
55	MG	CA	3716	1/1	0.86	0.34	105,105,105,105	0
55	MG	AA	4460	1/1	0.86	0.14	62,62,62,62	0
55	MG	CA	3720	1/1	0.86	0.14	60,60,60,60	0
55	MG	DA	1763	1/1	0.86	0.22	68,68,68,68	0
55	MG	AA	4097	1/1	0.86	0.18	78,78,78,78	0
55	MG	AA	5286	1/1	0.86	0.15	65,65,65,65	0
55	MG	DA	1771	1/1	0.86	0.28	77,77,77,77	0
55	MG	AA	4910	1/1	0.86	0.08	49,49,49,49	0
55	MG	BA	2168	1/1	0.86	0.07	59,59,59,59	0
55	MG	BA	2169	1/1	0.86	0.18	72,72,72,72	0
55	MG	AA	4698	1/1	0.86	0.09	68,68,68,68	0
55	MG	AA	4778	1/1	0.86	0.07	69,69,69,69	0
55	MG	BA	1973	1/1	0.86	0.13	58,58,58,58	0
55	MG	BE	201	1/1	0.86	0.26	86,86,86,86	0
55	MG	CA	3167	1/1	0.86	0.21	23,23,23,23	0
55	MG	AA	4779	1/1	0.86	0.19	71,71,71,71	0
55	MG	AA	4164	1/1	0.86	0.20	83,83,83,83	0
55	MG	DA	2152	1/1	0.86	0.08	69,69,69,69	0
55	MG	AB	204	1/1	0.86	0.21	56,56,56,56	0
55	MG	BA	1982	1/1	0.86	0.25	49,49,49,49	0
55	MG	DA	2155	1/1	0.86	0.15	83,83,83,83	0
55	MG	BA	1815	1/1	0.86	0.13	47,47,47,47	0
55	MG	AA	4932	1/1	0.86	0.07	45,45,45,45	0
55	MG	CA	3288	1/1	0.86	0.29	53,53,53,53	0
55	MG	AA	4098	1/1	0.86	0.20	87,87,87,87	0
55	MG	DA	2178	1/1	0.86	0.15	69,69,69,69	0
55	MG	AA	4797	1/1	0.86	0.19	50,50,50,50	0
55	MG	AA	5172	1/1	0.86	0.10	65,65,65,65	0
55	MG	CA	4345	1/1	0.86	0.34	86,86,86,86	0
55	MG	BA	1822	1/1	0.86	0.08	61,61,61,61	0
55	MG	CA	3324	1/1	0.86	0.24	53,53,53,53	0
55	MG	BA	2001	1/1	0.86	0.16	68,68,68,68	0
55	MG	CA	3328	1/1	0.86	0.23	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3339	1/1	0.86	0.13	50,50,50,50	0
55	MG	DA	1818	1/1	0.86	0.13	68,68,68,68	0
55	MG	CA	3344	1/1	0.86	0.22	46,46,46,46	0
55	MG	DD	301	1/1	0.86	0.15	73,73,73,73	0
55	MG	AB	214	1/1	0.86	0.10	84,84,84,84	0
55	MG	AB	215	1/1	0.86	0.09	99,99,99,99	0
55	MG	BA	2009	1/1	0.86	0.38	94,94,94,94	0
55	MG	CA	3806	1/1	0.86	0.20	86,86,86,86	0
55	MG	BA	2010	1/1	0.86	0.11	78,78,78,78	0
55	MG	CA	3817	1/1	0.86	0.19	59,59,59,59	0
55	MG	DA	1832	1/1	0.86	0.08	95,95,95,95	0
55	MG	CA	4363	1/1	0.86	0.08	58,58,58,58	0
55	MG	AA	4468	1/1	0.86	0.29	66,66,66,66	0
55	MG	AA	5180	1/1	0.86	0.24	82,82,82,82	0
55	MG	AB	220	1/1	0.86	0.15	84,84,84,84	0
55	MG	AA	4944	1/1	0.86	0.09	53,53,53,53	0
55	MG	AA	4364	1/1	0.86	0.40	77,77,77,77	0
55	MG	AA	4951	1/1	0.86	0.08	64,64,64,64	0
55	MG	AA	5082	1/1	0.86	0.11	72,72,72,72	0
55	MG	CA	3399	1/1	0.86	0.16	37,37,37,37	0
55	MG	CA	4387	1/1	0.86	0.18	50,50,50,50	0
55	MG	BA	1846	1/1	0.86	0.11	87,87,87,87	0
55	MG	AA	5192	1/1	0.86	0.10	46,46,46,46	0
55	MG	BA	1852	1/1	0.86	0.50	121,121,121,121	0
55	MG	BA	2030	1/1	0.86	0.07	55,55,55,55	0
55	MG	DA	1858	1/1	0.86	0.21	68,68,68,68	0
55	MG	AA	4008	1/1	0.86	0.25	79,79,79,79	0
55	MG	AA	4202	1/1	0.86	0.25	20,20,20,20	0
55	MG	AA	4227	1/1	0.86	0.09	36,36,36,36	0
55	MG	CA	3882	1/1	0.86	0.10	60,60,60,60	0
55	MG	DW	109	1/1	0.86	0.13	85,85,85,85	0
55	MG	AA	4717	1/1	0.86	0.13	68,68,68,68	0
55	MG	AA	4123	1/1	0.86	0.16	74,74,74,74	0
55	MG	BW	118	1/1	0.86	0.08	61,61,61,61	0
55	MG	BA	1861	1/1	0.86	0.14	67,67,67,67	0
55	MG	BA	1667	1/1	0.86	0.13	50,50,50,50	0
55	MG	AA	4639	1/1	0.86	0.11	56,56,56,56	0
55	MG	CA	3896	1/1	0.86	0.48	120,120,120,120	0
55	MG	CA	2914	1/1	0.86	0.19	66,66,66,66	0
55	MG	BA	1865	1/1	0.86	0.09	86,86,86,86	0
55	MG	AA	5098	1/1	0.86	0.11	80,80,80,80	0
55	MG	BA	1885	1/1	0.87	0.07	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1658	1/1	0.87	0.10	87,87,87,87	0
55	MG	CA	3015	1/1	0.87	0.07	71,71,71,71	0
55	MG	DA	1947	1/1	0.87	0.06	84,84,84,84	0
55	MG	AB	242	1/1	0.87	0.08	62,62,62,62	0
55	MG	CA	3505	1/1	0.87	0.11	42,42,42,42	0
55	MG	CA	3028	1/1	0.87	0.36	56,56,56,56	0
55	MG	DA	1663	1/1	0.87	0.09	64,64,64,64	0
55	MG	CA	4300	1/1	0.87	0.11	46,46,46,46	0
55	MG	AA	4789	1/1	0.87	0.13	81,81,81,81	0
55	MG	DA	1970	1/1	0.87	0.10	30,30,30,30	0
55	MG	CA	3514	1/1	0.87	0.34	74,74,74,74	0
55	MG	DA	1977	1/1	0.87	0.07	61,61,61,61	0
55	MG	CA	3035	1/1	0.87	0.09	70,70,70,70	0
55	MG	AA	4865	1/1	0.87	0.17	52,52,52,52	0
55	MG	AA	5085	1/1	0.87	0.18	77,77,77,77	0
55	MG	BQ	201	1/1	0.87	0.29	90,90,90,90	0
55	MG	AA	4032	1/1	0.87	0.28	82,82,82,82	0
55	MG	BA	2038	1/1	0.87	0.07	51,51,51,51	0
55	MG	CA	3053	1/1	0.87	0.12	81,81,81,81	0
55	MG	DA	2003	1/1	0.87	0.12	53,53,53,53	0
55	MG	AA	4869	1/1	0.87	0.12	61,61,61,61	0
55	MG	AA	5166	1/1	0.87	0.09	93,93,93,93	0
55	MG	AA	4642	1/1	0.87	0.21	73,73,73,73	0
55	MG	AA	5169	1/1	0.87	0.26	71,71,71,71	0
55	MG	AM	201	1/1	0.87	0.10	62,62,62,62	0
55	MG	AM	202	1/1	0.87	0.09	52,52,52,52	0
55	MG	DA	2029	1/1	0.87	0.08	53,53,53,53	0
55	MG	AA	4876	1/1	0.87	0.09	57,57,57,57	0
55	MG	AA	4879	1/1	0.87	0.32	56,56,56,56	0
55	MG	BA	1662	1/1	0.87	0.30	89,89,89,89	0
55	MG	DA	1731	1/1	0.87	0.11	47,47,47,47	0
55	MG	DA	1734	1/1	0.87	0.19	61,61,61,61	0
55	MG	DA	2042	1/1	0.87	0.33	87,87,87,87	0
55	MG	DA	1735	1/1	0.87	0.09	57,57,57,57	0
55	MG	BA	1912	1/1	0.87	0.07	57,57,57,57	0
55	MG	AA	5002	1/1	0.87	0.25	90,90,90,90	0
55	MG	AA	4594	1/1	0.87	0.11	75,75,75,75	0
55	MG	BA	1813	1/1	0.87	0.08	60,60,60,60	0
55	MG	BA	1917	1/1	0.87	0.21	73,73,73,73	0
55	MG	AA	4744	1/1	0.87	0.14	61,61,61,61	0
55	MG	CA	3592	1/1	0.87	0.07	49,49,49,49	0
55	MG	BV	129	1/1	0.87	0.08	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4237	1/1	0.87	0.17	17,17,17,17	0
55	MG	CA	3598	1/1	0.87	0.13	81,81,81,81	0
55	MG	AA	5187	1/1	0.87	0.07	69,69,69,69	0
55	MG	BA	2079	1/1	0.87	0.10	57,57,57,57	0
55	MG	AA	4747	1/1	0.87	0.14	37,37,37,37	0
55	MG	AA	5015	1/1	0.87	0.06	46,46,46,46	0
55	MG	BA	1673	1/1	0.87	0.12	66,66,66,66	0
55	MG	AA	5190	1/1	0.87	0.10	73,73,73,73	0
55	MG	CA	4383	1/1	0.87	0.10	58,58,58,58	0
55	MG	DA	2076	1/1	0.87	0.24	62,62,62,62	0
55	MG	AA	4217	1/1	0.87	0.19	43,43,43,43	0
55	MG	CA	3635	1/1	0.87	0.16	63,63,63,63	0
55	MG	AA	4651	1/1	0.87	0.17	74,74,74,74	0
55	MG	CA	3200	1/1	0.87	0.13	27,27,27,27	0
55	MG	BA	1831	1/1	0.87	0.14	124,124,124,124	0
55	MG	BW	116	1/1	0.87	0.12	82,82,82,82	0
55	MG	CA	3964	1/1	0.87	0.18	48,48,48,48	0
55	MG	CA	4398	1/1	0.87	0.23	68,68,68,68	0
55	MG	CA	3650	1/1	0.87	0.08	122,122,122,122	0
55	MG	CA	3246	1/1	0.87	0.12	46,46,46,46	0
55	MG	CA	3247	1/1	0.87	0.14	23,23,23,23	0
55	MG	AA	5197	1/1	0.87	0.07	73,73,73,73	0
55	MG	CA	3276	1/1	0.87	0.37	58,58,58,58	0
55	MG	BA	2094	1/1	0.87	0.06	41,41,41,41	0
55	MG	DA	1807	1/1	0.87	0.06	53,53,53,53	0
55	MG	BA	1834	1/1	0.87	0.22	67,67,67,67	0
55	MG	AA	4390	1/1	0.87	0.14	59,59,59,59	0
55	MG	BA	1943	1/1	0.87	0.33	79,79,79,79	0
55	MG	CA	3678	1/1	0.87	0.07	77,77,77,77	0
55	MG	BA	1838	1/1	0.87	0.12	90,90,90,90	0
55	MG	AA	4045	1/1	0.87	0.19	72,72,72,72	0
55	MG	CA	4039	1/1	0.87	0.20	60,60,60,60	0
55	MG	CA	3320	1/1	0.87	0.23	42,42,42,42	0
55	MG	AA	4124	1/1	0.87	0.16	75,75,75,75	0
55	MG	AA	4262	1/1	0.87	0.09	34,34,34,34	0
55	MG	BA	1950	1/1	0.87	0.06	84,84,84,84	0
55	MG	AA	4543	1/1	0.87	0.24	77,77,77,77	0
55	MG	CA	3342	1/1	0.87	0.14	48,48,48,48	0
55	MG	CB	239	1/1	0.87	0.06	43,43,43,43	0
55	MG	BA	1845	1/1	0.87	0.06	103,103,103,103	0
55	MG	AA	4618	1/1	0.87	0.12	64,64,64,64	0
55	MG	DA	2129	1/1	0.87	0.09	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	4096	1/1	0.87	0.09	72,72,72,72	0
55	MG	CA	3713	1/1	0.87	0.11	54,54,54,54	0
55	MG	BA	1968	1/1	0.87	0.08	49,49,49,49	0
55	MG	DA	1841	1/1	0.87	0.21	75,75,75,75	0
55	MG	BA	1847	1/1	0.87	0.11	52,52,52,52	0
55	MG	CB	253	1/1	0.87	0.17	76,76,76,76	0
55	MG	CB	254	1/1	0.87	0.16	71,71,71,71	0
55	MG	BA	1714	1/1	0.87	0.32	56,56,56,56	0
55	MG	AA	5126	1/1	0.87	0.09	58,58,58,58	0
55	MG	CA	4131	1/1	0.87	0.15	70,70,70,70	0
55	MG	BA	1974	1/1	0.87	0.17	66,66,66,66	0
55	MG	CA	4134	1/1	0.87	0.17	49,49,49,49	0
55	MG	CA	4137	1/1	0.87	0.18	64,64,64,64	0
55	MG	AA	5220	1/1	0.87	0.10	51,51,51,51	0
55	MG	CA	3369	1/1	0.87	0.18	67,67,67,67	0
55	MG	DA	1861	1/1	0.87	0.17	95,95,95,95	0
55	MG	DA	2163	1/1	0.87	0.09	66,66,66,66	0
55	MG	BA	1978	1/1	0.87	0.11	48,48,48,48	0
55	MG	DA	2171	1/1	0.87	0.09	96,96,96,96	0
55	MG	BA	2128	1/1	0.87	0.08	83,83,83,83	0
55	MG	CL	203	1/1	0.87	0.21	49,49,49,49	0
55	MG	CA	3731	1/1	0.87	0.20	53,53,53,53	0
55	MG	CA	3732	1/1	0.87	0.23	74,74,74,74	0
55	MG	AA	4619	1/1	0.87	0.19	56,56,56,56	0
55	MG	CA	4182	1/1	0.87	0.13	47,47,47,47	0
55	MG	AA	4375	1/1	0.87	0.23	61,61,61,61	0
55	MG	CA	3398	1/1	0.87	0.12	53,53,53,53	0
55	MG	DA	1878	1/1	0.87	0.32	111,111,111,111	0
55	MG	DA	2192	1/1	0.87	0.16	58,58,58,58	0
55	MG	DA	2194	1/1	0.87	0.07	79,79,79,79	0
55	MG	DA	1879	1/1	0.87	0.11	80,80,80,80	0
55	MG	CW	104	1/1	0.87	0.20	64,64,64,64	0
55	MG	AA	4586	1/1	0.87	0.12	84,84,84,84	0
55	MG	AB	222	1/1	0.87	0.12	62,62,62,62	0
55	MG	C5	101	1/1	0.87	0.54	63,63,63,63	0
55	MG	DE	201	1/1	0.87	0.17	137,137,137,137	0
55	MG	BA	1728	1/1	0.87	0.24	69,69,69,69	0
55	MG	AA	4547	1/1	0.87	0.08	83,83,83,83	0
55	MG	AA	4767	1/1	0.87	0.22	89,89,89,89	0
55	MG	BA	1864	1/1	0.87	0.08	92,92,92,92	0
55	MG	DA	1605	1/1	0.87	0.13	80,80,80,80	0
55	MG	AA	4114	1/1	0.87	0.14	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1609	1/1	0.87	0.09	88,88,88,88	0
55	MG	CA	2972	1/1	0.87	0.22	64,64,64,64	0
55	MG	CA	4218	1/1	0.87	0.18	75,75,75,75	0
55	MG	AA	4724	1/1	0.87	0.10	59,59,59,59	0
55	MG	DV	102	1/1	0.87	0.08	54,54,54,54	0
55	MG	CA	3760	1/1	0.87	0.31	74,74,74,74	0
55	MG	AA	4774	1/1	0.87	0.12	63,63,63,63	0
55	MG	BA	2006	1/1	0.87	0.29	144,144,144,144	0
55	MG	AA	4854	1/1	0.87	0.27	43,43,43,43	0
55	MG	CA	3445	1/1	0.87	0.21	44,44,44,44	0
55	MG	CA	2980	1/1	0.87	0.09	67,67,67,67	0
55	MG	DA	1914	1/1	0.87	0.10	77,77,77,77	0
55	MG	CA	3452	1/1	0.87	0.09	50,50,50,50	0
55	MG	AA	5057	1/1	0.87	0.16	53,53,53,53	0
55	MG	AA	4412	1/1	0.87	0.36	60,60,60,60	0
55	MG	DW	102	1/1	0.87	0.07	76,76,76,76	0
55	MG	BA	1758	1/1	0.87	0.11	49,49,49,49	0
55	MG	AA	4635	1/1	0.87	0.24	79,79,79,79	0
55	MG	DA	1632	1/1	0.87	0.18	81,81,81,81	0
55	MG	CA	3464	1/1	0.87	0.16	64,64,64,64	0
55	MG	BA	2013	1/1	0.87	0.24	88,88,88,88	0
55	MG	AA	4973	1/1	0.87	0.11	65,65,65,65	0
55	MG	DA	1926	1/1	0.87	0.06	54,54,54,54	0
55	MG	CA	3807	1/1	0.87	0.17	66,66,66,66	0
55	MG	CA	4268	1/1	0.87	0.12	53,53,53,53	0
55	MG	BA	2018	1/1	0.87	0.07	46,46,46,46	0
55	MG	CA	3482	1/1	0.87	0.07	47,47,47,47	0
55	MG	CA	3821	1/1	0.87	0.18	94,94,94,94	0
55	MG	AA	5072	1/1	0.87	0.21	78,78,78,78	0
55	MG	CA	3827	1/1	0.87	0.11	70,70,70,70	0
55	MG	AA	4314	1/1	0.87	0.14	36,36,36,36	0
55	MG	BB	301	1/1	0.87	0.14	54,54,54,54	0
55	MG	BA	1641	1/1	0.87	0.07	63,63,63,63	0
55	MG	AA	5178	1/1	0.88	0.16	74,74,74,74	0
55	MG	AA	5179	1/1	0.88	0.20	61,61,61,61	0
55	MG	AA	4297	1/1	0.88	0.30	53,53,53,53	0
55	MG	AA	4980	1/1	0.88	0.07	55,55,55,55	0
55	MG	CA	3042	1/1	0.88	0.17	67,67,67,67	0
55	MG	CB	202	1/1	0.88	0.09	78,78,78,78	0
55	MG	AA	4301	1/1	0.88	0.16	44,44,44,44	0
55	MG	DA	1877	1/1	0.88	0.21	88,88,88,88	0
55	MG	CA	3050	1/1	0.88	0.14	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3540	1/1	0.88	0.13	49,49,49,49	0
55	MG	BE	204	1/1	0.88	0.08	46,46,46,46	0
55	MG	AA	4987	1/1	0.88	0.07	78,78,78,78	0
55	MG	CA	3920	1/1	0.88	0.23	85,85,85,85	0
55	MG	CA	3927	1/1	0.88	0.07	64,64,64,64	0
55	MG	BA	1750	1/1	0.88	0.15	55,55,55,55	0
55	MG	CB	224	1/1	0.88	0.10	88,88,88,88	0
55	MG	CB	227	1/1	0.88	0.11	76,76,76,76	0
55	MG	CA	3932	1/1	0.88	0.15	54,54,54,54	0
55	MG	CA	3556	1/1	0.88	0.06	55,55,55,55	0
55	MG	CA	3055	1/1	0.88	0.07	59,59,59,59	0
55	MG	BA	1751	1/1	0.88	0.15	91,91,91,91	0
55	MG	DA	1900	1/1	0.88	0.12	87,87,87,87	0
55	MG	CA	3565	1/1	0.88	0.17	65,65,65,65	0
55	MG	AA	4483	1/1	0.88	0.08	51,51,51,51	0
55	MG	CA	3569	1/1	0.88	0.16	74,74,74,74	0
55	MG	CA	3945	1/1	0.88	0.08	65,65,65,65	0
55	MG	AA	4990	1/1	0.88	0.26	60,60,60,60	0
55	MG	CA	3064	1/1	0.88	0.29	75,75,75,75	0
55	MG	BA	1620	1/1	0.88	0.10	62,62,62,62	0
55	MG	AA	4991	1/1	0.88	0.10	52,52,52,52	0
55	MG	BV	102	1/1	0.88	0.08	56,56,56,56	0
55	MG	CA	3582	1/1	0.88	0.16	49,49,49,49	0
55	MG	BA	2036	1/1	0.88	0.07	74,74,74,74	0
55	MG	CA	3586	1/1	0.88	0.22	105,105,105,105	0
55	MG	CA	3588	1/1	0.88	0.15	57,57,57,57	0
55	MG	CB	255	1/1	0.88	0.09	62,62,62,62	0
55	MG	CA	3075	1/1	0.88	0.19	68,68,68,68	0
55	MG	AA	4780	1/1	0.88	0.18	68,68,68,68	0
55	MG	BV	107	1/1	0.88	0.12	68,68,68,68	0
55	MG	CA	4005	1/1	0.88	0.12	49,49,49,49	0
55	MG	CD	305	1/1	0.88	0.26	57,57,57,57	0
55	MG	BA	2041	1/1	0.88	0.09	66,66,66,66	0
55	MG	CE	301	1/1	0.88	0.20	47,47,47,47	0
55	MG	AA	4189	1/1	0.88	0.21	27,27,27,27	0
55	MG	CE	305	1/1	0.88	0.38	44,44,44,44	0
55	MG	CA	3604	1/1	0.88	0.07	57,57,57,57	0
55	MG	CI	201	1/1	0.88	0.14	62,62,62,62	0
55	MG	AA	4659	1/1	0.88	0.09	69,69,69,69	0
55	MG	CA	4028	1/1	0.88	0.19	47,47,47,47	0
55	MG	BA	2046	1/1	0.88	0.14	82,82,82,82	0
55	MG	CA	3616	1/1	0.88	0.13	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CO	201	1/1	0.88	0.07	43,43,43,43	0
55	MG	AB	216	1/1	0.88	0.18	63,63,63,63	0
55	MG	CA	3619	1/1	0.88	0.12	56,56,56,56	0
55	MG	AA	4242	1/1	0.88	0.27	32,32,32,32	0
55	MG	CV	201	1/1	0.88	0.09	78,78,78,78	0
55	MG	AA	4602	1/1	0.88	0.08	134,134,134,134	0
55	MG	CA	3626	1/1	0.88	0.16	103,103,103,103	0
55	MG	CA	4060	1/1	0.88	0.06	49,49,49,49	0
55	MG	CA	4061	1/1	0.88	0.18	73,73,73,73	0
55	MG	AA	4244	1/1	0.88	0.19	31,31,31,31	0
55	MG	C3	102	1/1	0.88	0.07	46,46,46,46	0
55	MG	DA	1956	1/1	0.88	0.16	40,40,40,40	0
55	MG	CA	4071	1/1	0.88	0.13	43,43,43,43	0
55	MG	AA	4890	1/1	0.88	0.16	37,37,37,37	0
55	MG	CA	3118	1/1	0.88	0.22	14,14,14,14	0
55	MG	C5	103	1/1	0.88	0.15	44,44,44,44	0
55	MG	DA	1986	1/1	0.88	0.21	60,60,60,60	0
55	MG	CA	3637	1/1	0.88	0.08	47,47,47,47	0
55	MG	CA	3134	1/1	0.88	0.10	14,14,14,14	0
55	MG	CA	4088	1/1	0.88	0.11	66,66,66,66	0
55	MG	AA	4665	1/1	0.88	0.07	78,78,78,78	0
55	MG	DA	2000	1/1	0.88	0.22	87,87,87,87	0
55	MG	CA	4102	1/1	0.88	0.11	69,69,69,69	0
55	MG	CA	3145	1/1	0.88	0.11	22,22,22,22	0
55	MG	CA	3646	1/1	0.88	0.13	73,73,73,73	0
55	MG	AA	4895	1/1	0.88	0.22	70,70,70,70	0
55	MG	DA	2011	1/1	0.88	0.08	79,79,79,79	0
55	MG	AA	4897	1/1	0.88	0.07	51,51,51,51	0
55	MG	CA	4122	1/1	0.88	0.12	49,49,49,49	0
55	MG	CA	3166	1/1	0.88	0.32	44,44,44,44	0
55	MG	AA	5216	1/1	0.88	0.07	58,58,58,58	0
55	MG	BA	2069	1/1	0.88	0.10	52,52,52,52	0
55	MG	AA	4497	1/1	0.88	0.16	66,66,66,66	0
55	MG	CA	3186	1/1	0.88	0.07	29,29,29,29	0
55	MG	CA	3661	1/1	0.88	0.05	63,63,63,63	0
55	MG	AA	5222	1/1	0.88	0.08	84,84,84,84	0
55	MG	CA	4142	1/1	0.88	0.21	103,103,103,103	0
55	MG	BW	107	1/1	0.88	0.06	78,78,78,78	0
55	MG	CA	4165	1/1	0.88	0.07	37,37,37,37	0
55	MG	CA	3222	1/1	0.88	0.16	38,38,38,38	0
55	MG	AA	4741	1/1	0.88	0.19	71,71,71,71	0
55	MG	BA	1796	1/1	0.88	0.08	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	2050	1/1	0.88	0.14	77,77,77,77	0
55	MG	BW	111	1/1	0.88	0.06	53,53,53,53	0
55	MG	CA	3686	1/1	0.88	0.24	83,83,83,83	0
55	MG	CA	4184	1/1	0.88	0.12	56,56,56,56	0
55	MG	CA	3259	1/1	0.88	0.17	39,39,39,39	0
55	MG	CA	4189	1/1	0.88	0.25	49,49,49,49	0
55	MG	CA	3261	1/1	0.88	0.27	48,48,48,48	0
55	MG	DA	2063	1/1	0.88	0.06	77,77,77,77	0
55	MG	AA	5123	1/1	0.88	0.09	60,60,60,60	0
55	MG	BA	1918	1/1	0.88	0.07	65,65,65,65	0
55	MG	DA	2066	1/1	0.88	0.10	55,55,55,55	0
55	MG	DA	1650	1/1	0.88	0.19	116,116,116,116	0
55	MG	BA	1799	1/1	0.88	0.09	64,64,64,64	0
55	MG	AA	4499	1/1	0.88	0.13	74,74,74,74	0
55	MG	BA	1801	1/1	0.88	0.24	88,88,88,88	0
55	MG	CA	4209	1/1	0.88	0.17	55,55,55,55	0
55	MG	CA	3301	1/1	0.88	0.20	35,35,35,35	0
55	MG	AA	5127	1/1	0.88	0.21	83,83,83,83	0
55	MG	BA	1805	1/1	0.88	0.08	64,64,64,64	0
55	MG	CA	4216	1/1	0.88	0.12	60,60,60,60	0
55	MG	BW	119	1/1	0.88	0.07	73,73,73,73	0
55	MG	CA	2903	1/1	0.88	0.22	80,80,80,80	0
55	MG	DA	1666	1/1	0.88	0.37	46,46,46,46	0
55	MG	DA	1667	1/1	0.88	0.07	67,67,67,67	0
55	MG	CA	4222	1/1	0.88	0.16	62,62,62,62	0
55	MG	AA	4370	1/1	0.88	0.16	51,51,51,51	0
55	MG	CA	4227	1/1	0.88	0.14	53,53,53,53	0
55	MG	CA	4230	1/1	0.88	0.22	53,53,53,53	0
55	MG	AA	4555	1/1	0.88	0.30	66,66,66,66	0
55	MG	DA	2098	1/1	0.88	0.09	57,57,57,57	0
55	MG	BA	1930	1/1	0.88	0.07	75,75,75,75	0
55	MG	CA	4234	1/1	0.88	0.13	46,46,46,46	0
55	MG	CA	3333	1/1	0.88	0.19	49,49,49,49	0
55	MG	BA	1809	1/1	0.88	0.14	62,62,62,62	0
55	MG	DA	2105	1/1	0.88	0.09	52,52,52,52	0
55	MG	BA	1656	1/1	0.88	0.34	70,70,70,70	0
55	MG	DA	2107	1/1	0.88	0.05	49,49,49,49	0
55	MG	AB	239	1/1	0.88	0.07	49,49,49,49	0
55	MG	DA	1710	1/1	0.88	0.14	40,40,40,40	0
55	MG	CA	4243	1/1	0.88	0.10	68,68,68,68	0
55	MG	BA	1936	1/1	0.88	0.06	74,74,74,74	0
55	MG	CA	4249	1/1	0.88	0.18	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3349	1/1	0.88	0.14	48,48,48,48	0
55	MG	CA	3738	1/1	0.88	0.15	105,105,105,105	0
55	MG	AA	4078	1/1	0.88	0.09	60,60,60,60	0
55	MG	AB	241	1/1	0.88	0.18	98,98,98,98	0
55	MG	DA	2119	1/1	0.88	0.13	75,75,75,75	0
55	MG	AA	5234	1/1	0.88	0.09	61,61,61,61	0
55	MG	CA	3746	1/1	0.88	0.26	62,62,62,62	0
55	MG	AA	4140	1/1	0.88	0.09	73,73,73,73	0
55	MG	CA	2934	1/1	0.88	0.12	59,59,59,59	0
55	MG	DA	1737	1/1	0.88	0.08	51,51,51,51	0
55	MG	CA	3359	1/1	0.88	0.08	43,43,43,43	0
55	MG	DA	1744	1/1	0.88	0.10	69,69,69,69	0
55	MG	CA	4273	1/1	0.88	0.20	82,82,82,82	0
55	MG	CA	3361	1/1	0.88	0.14	42,42,42,42	0
55	MG	DA	1750	1/1	0.88	0.06	27,27,27,27	0
55	MG	AA	4220	1/1	0.88	0.10	36,36,36,36	0
55	MG	CA	4279	1/1	0.88	0.22	62,62,62,62	0
55	MG	CA	3754	1/1	0.88	0.14	67,67,67,67	0
55	MG	CA	3368	1/1	0.88	0.19	41,41,41,41	0
55	MG	BA	1945	1/1	0.88	0.29	82,82,82,82	0
55	MG	AB	245	1/1	0.88	0.12	63,63,63,63	0
55	MG	BA	1824	1/1	0.88	0.18	76,76,76,76	0
55	MG	CA	4289	1/1	0.88	0.07	65,65,65,65	0
55	MG	AA	5134	1/1	0.88	0.33	77,77,77,77	0
55	MG	DA	1768	1/1	0.88	0.26	138,138,138,138	0
55	MG	CA	2942	1/1	0.88	0.11	56,56,56,56	0
55	MG	DA	1772	1/1	0.88	0.15	74,74,74,74	0
55	MG	CA	3771	1/1	0.88	0.19	111,111,111,111	0
55	MG	AA	5242	1/1	0.88	0.15	70,70,70,70	0
55	MG	AA	4161	1/1	0.88	0.07	46,46,46,46	0
55	MG	DA	2164	1/1	0.88	0.07	54,54,54,54	0
55	MG	DA	1778	1/1	0.88	0.22	73,73,73,73	0
55	MG	DA	2170	1/1	0.88	0.17	107,107,107,107	0
55	MG	AA	4060	1/1	0.88	0.18	84,84,84,84	0
55	MG	DA	1782	1/1	0.88	0.09	54,54,54,54	0
55	MG	AA	4567	1/1	0.88	0.24	83,83,83,83	0
55	MG	AA	5040	1/1	0.88	0.24	64,64,64,64	0
55	MG	BA	1969	1/1	0.88	0.12	60,60,60,60	0
55	MG	BA	1836	1/1	0.88	0.11	79,79,79,79	0
55	MG	BA	1672	1/1	0.88	0.17	60,60,60,60	0
55	MG	CA	4318	1/1	0.88	0.19	71,71,71,71	0
55	MG	AA	4279	1/1	0.88	0.09	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1794	1/1	0.88	0.23	64,64,64,64	0
55	MG	CA	4320	1/1	0.88	0.05	59,59,59,59	0
55	MG	AA	4287	1/1	0.88	0.15	40,40,40,40	0
55	MG	CA	2964	1/1	0.88	0.09	56,56,56,56	0
55	MG	AA	4338	1/1	0.88	0.13	58,58,58,58	0
55	MG	DA	1801	1/1	0.88	0.11	79,79,79,79	0
55	MG	BA	1676	1/1	0.88	0.18	90,90,90,90	0
55	MG	AA	4581	1/1	0.88	0.06	59,59,59,59	0
55	MG	BA	2135	1/1	0.88	0.10	76,76,76,76	0
55	MG	AA	5051	1/1	0.88	0.07	69,69,69,69	0
55	MG	CA	4343	1/1	0.88	0.11	73,73,73,73	0
55	MG	AA	4398	1/1	0.88	0.22	52,52,52,52	0
55	MG	AA	4836	1/1	0.88	0.11	52,52,52,52	0
55	MG	CA	3457	1/1	0.88	0.13	42,42,42,42	0
55	MG	AA	5263	1/1	0.88	0.15	58,58,58,58	0
55	MG	CA	3460	1/1	0.88	0.14	45,45,45,45	0
55	MG	DA	1816	1/1	0.88	0.12	79,79,79,79	0
55	MG	BA	1686	1/1	0.88	0.16	40,40,40,40	0
55	MG	DT	201	1/1	0.88	0.14	57,57,57,57	0
55	MG	CA	4353	1/1	0.88	0.15	53,53,53,53	0
55	MG	CA	4354	1/1	0.88	0.08	60,60,60,60	0
55	MG	AA	4959	1/1	0.88	0.10	37,37,37,37	0
55	MG	DV	104	1/1	0.88	0.16	92,92,92,92	0
55	MG	AA	4961	1/1	0.88	0.11	44,44,44,44	0
55	MG	AA	5061	1/1	0.88	0.12	49,49,49,49	0
55	MG	DA	1828	1/1	0.88	0.12	100,100,100,100	0
55	MG	BA	2150	1/1	0.88	0.06	82,82,82,82	0
55	MG	CA	3480	1/1	0.88	0.09	49,49,49,49	0
55	MG	CA	3866	1/1	0.88	0.06	65,65,65,65	0
55	MG	DV	118	1/1	0.88	0.09	78,78,78,78	0
55	MG	CA	2994	1/1	0.88	0.13	49,49,49,49	0
55	MG	BA	2151	1/1	0.88	0.06	76,76,76,76	0
55	MG	AA	4965	1/1	0.88	0.14	51,51,51,51	0
55	MG	AA	4583	1/1	0.88	0.14	68,68,68,68	0
55	MG	BA	2004	1/1	0.88	0.04	74,74,74,74	0
55	MG	CA	3009	1/1	0.88	0.10	56,56,56,56	0
55	MG	CA	3010	1/1	0.88	0.16	65,65,65,65	0
55	MG	CA	4376	1/1	0.88	0.47	33,33,33,33	0
55	MG	AA	4038	1/1	0.88	0.34	117,117,117,117	0
55	MG	AA	4850	1/1	0.88	0.10	50,50,50,50	0
55	MG	CA	4381	1/1	0.88	0.24	74,74,74,74	0
55	MG	DA	1851	1/1	0.88	0.18	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	2165	1/1	0.88	0.19	66,66,66,66	0
55	MG	AA	4110	1/1	0.88	0.09	89,89,89,89	0
55	MG	CA	3513	1/1	0.88	0.07	52,52,52,52	0
55	MG	AA	5279	1/1	0.88	0.19	59,59,59,59	0
55	MG	CA	4392	1/1	0.88	0.10	67,67,67,67	0
55	MG	DA	1860	1/1	0.88	0.10	74,74,74,74	0
55	MG	CA	3902	1/1	0.88	0.12	68,68,68,68	0
55	MG	AA	4017	1/1	0.88	0.24	155,155,155,155	0
55	MG	AA	4351	1/1	0.88	0.35	63,63,63,63	0
55	MG	AA	4149	1/1	0.89	0.31	104,104,104,104	0
55	MG	AA	4006	1/1	0.89	0.16	59,59,59,59	0
55	MG	CA	4089	1/1	0.89	0.13	53,53,53,53	0
55	MG	CG	201	1/1	0.89	0.09	86,86,86,86	0
55	MG	CA	4093	1/1	0.89	0.11	56,56,56,56	0
55	MG	CA	3672	1/1	0.89	0.20	72,72,72,72	0
55	MG	CA	3677	1/1	0.89	0.12	67,67,67,67	0
55	MG	CA	4105	1/1	0.89	0.10	60,60,60,60	0
55	MG	CA	3316	1/1	0.89	0.16	61,61,61,61	0
55	MG	CA	2931	1/1	0.89	0.24	105,105,105,105	0
55	MG	CA	3321	1/1	0.89	0.20	45,45,45,45	0
55	MG	AA	4863	1/1	0.89	0.31	51,51,51,51	0
55	MG	CS	203	1/1	0.89	0.13	53,53,53,53	0
55	MG	AA	4405	1/1	0.89	0.09	24,24,24,24	0
55	MG	DA	1919	1/1	0.89	0.06	66,66,66,66	0
55	MG	AA	5113	1/1	0.89	0.07	52,52,52,52	0
55	MG	CA	3330	1/1	0.89	0.30	69,69,69,69	0
55	MG	CA	3699	1/1	0.89	0.14	75,75,75,75	0
55	MG	BA	2116	1/1	0.89	0.22	93,93,93,93	0
55	MG	CA	4136	1/1	0.89	0.24	67,67,67,67	0
55	MG	AA	4708	1/1	0.89	0.18	72,72,72,72	0
55	MG	C2	101	1/1	0.89	0.09	15,15,15,15	0
55	MG	BA	1828	1/1	0.89	0.10	68,68,68,68	0
55	MG	AA	5115	1/1	0.89	0.08	65,65,65,65	0
55	MG	CA	2943	1/1	0.89	0.30	69,69,69,69	0
55	MG	CA	4153	1/1	0.89	0.11	57,57,57,57	0
55	MG	AA	4471	1/1	0.89	0.08	53,53,53,53	0
55	MG	BA	2126	1/1	0.89	0.18	106,106,106,106	0
55	MG	AA	4065	1/1	0.89	0.24	100,100,100,100	0
55	MG	AA	4777	1/1	0.89	0.10	48,48,48,48	0
55	MG	AA	4163	1/1	0.89	0.16	72,72,72,72	0
55	MG	DA	1939	1/1	0.89	0.17	214,214,214,214	0
55	MG	AA	5003	1/1	0.89	0.12	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3358	1/1	0.89	0.28	41,41,41,41	0
55	MG	BA	1837	1/1	0.89	0.09	61,61,61,61	0
55	MG	AA	4281	1/1	0.89	0.23	44,44,44,44	0
55	MG	DA	1948	1/1	0.89	0.08	58,58,58,58	0
55	MG	AA	4888	1/1	0.89	0.08	36,36,36,36	0
55	MG	AA	5009	1/1	0.89	0.07	65,65,65,65	0
55	MG	CA	2963	1/1	0.89	0.19	90,90,90,90	0
55	MG	BA	1679	1/1	0.89	0.14	46,46,46,46	0
55	MG	AA	4055	1/1	0.89	0.20	92,92,92,92	0
55	MG	AA	4891	1/1	0.89	0.09	25,25,25,25	0
55	MG	AA	4290	1/1	0.89	0.19	38,38,38,38	0
55	MG	AA	4373	1/1	0.89	0.15	40,40,40,40	0
55	MG	DA	1625	1/1	0.89	0.14	81,81,81,81	0
55	MG	BA	2143	1/1	0.89	0.07	83,83,83,83	0
55	MG	AA	4790	1/1	0.89	0.09	43,43,43,43	0
55	MG	BA	1995	1/1	0.89	0.06	61,61,61,61	0
55	MG	DA	1989	1/1	0.89	0.10	85,85,85,85	0
55	MG	CA	4215	1/1	0.89	0.06	55,55,55,55	0
55	MG	AS	206	1/1	0.89	0.15	77,77,77,77	0
55	MG	CA	4217	1/1	0.89	0.08	41,41,41,41	0
55	MG	CA	3417	1/1	0.89	0.13	45,45,45,45	0
55	MG	DA	1636	1/1	0.89	0.12	50,50,50,50	0
55	MG	AA	4035	1/1	0.89	0.09	65,65,65,65	0
55	MG	CA	3753	1/1	0.89	0.19	69,69,69,69	0
55	MG	CA	4223	1/1	0.89	0.15	30,30,30,30	0
55	MG	DA	2004	1/1	0.89	0.09	40,40,40,40	0
55	MG	DA	2008	1/1	0.89	0.30	70,70,70,70	0
55	MG	BA	1703	1/1	0.89	0.16	32,32,32,32	0
55	MG	CA	3423	1/1	0.89	0.06	56,56,56,56	0
55	MG	DA	2013	1/1	0.89	0.07	49,49,49,49	0
55	MG	CA	3756	1/1	0.89	0.18	90,90,90,90	0
55	MG	DA	2016	1/1	0.89	0.11	49,49,49,49	0
55	MG	CA	3757	1/1	0.89	0.23	92,92,92,92	0
55	MG	CA	2985	1/1	0.89	0.15	43,43,43,43	0
55	MG	BA	2002	1/1	0.89	0.15	71,71,71,71	0
55	MG	AA	5138	1/1	0.89	0.11	72,72,72,72	0
55	MG	AA	4439	1/1	0.89	0.34	66,66,66,66	0
55	MG	AA	4488	1/1	0.89	0.15	50,50,50,50	0
55	MG	AA	5028	1/1	0.89	0.16	68,68,68,68	0
55	MG	CA	3773	1/1	0.89	0.20	67,67,67,67	0
55	MG	CA	3443	1/1	0.89	0.33	55,55,55,55	0
55	MG	AA	4912	1/1	0.89	0.36	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	2039	1/1	0.89	0.10	43,43,43,43	0
55	MG	CA	4251	1/1	0.89	0.23	56,56,56,56	0
55	MG	CA	4252	1/1	0.89	0.17	66,66,66,66	0
55	MG	BA	1719	1/1	0.89	0.15	50,50,50,50	0
55	MG	DA	1664	1/1	0.89	0.14	73,73,73,73	0
55	MG	DA	2048	1/1	0.89	0.13	52,52,52,52	0
55	MG	CA	3450	1/1	0.89	0.17	49,49,49,49	0
55	MG	AA	4601	1/1	0.89	0.18	68,68,68,68	0
55	MG	DA	2053	1/1	0.89	0.29	92,92,92,92	0
55	MG	CA	3007	1/1	0.89	0.24	69,69,69,69	0
55	MG	CA	3008	1/1	0.89	0.11	57,57,57,57	0
55	MG	BA	1603	1/1	0.89	0.10	65,65,65,65	0
55	MG	BA	1724	1/1	0.89	0.14	55,55,55,55	0
55	MG	AA	4920	1/1	0.89	0.17	75,75,75,75	0
55	MG	BB	302	1/1	0.89	0.09	61,61,61,61	0
55	MG	AA	4922	1/1	0.89	0.06	67,67,67,67	0
55	MG	DA	1681	1/1	0.89	0.06	83,83,83,83	0
55	MG	AA	4022	1/1	0.89	0.13	66,66,66,66	0
55	MG	CA	3815	1/1	0.89	0.09	66,66,66,66	0
55	MG	CA	3018	1/1	0.89	0.41	70,70,70,70	0
55	MG	DA	1690	1/1	0.89	0.34	79,79,79,79	0
55	MG	CA	3471	1/1	0.89	0.14	71,71,71,71	0
55	MG	DA	1703	1/1	0.89	0.09	34,34,34,34	0
55	MG	DA	1705	1/1	0.89	0.21	34,34,34,34	0
55	MG	BC	303	1/1	0.89	0.06	49,49,49,49	0
55	MG	DA	1711	1/1	0.89	0.12	50,50,50,50	0
55	MG	CA	3477	1/1	0.89	0.06	45,45,45,45	0
55	MG	DA	2082	1/1	0.89	0.20	81,81,81,81	0
55	MG	AA	4333	1/1	0.89	0.21	53,53,53,53	0
55	MG	CA	3834	1/1	0.89	0.06	69,69,69,69	0
55	MG	AA	4449	1/1	0.89	0.14	58,58,58,58	0
55	MG	CA	3836	1/1	0.89	0.22	77,77,77,77	0
55	MG	BE	203	1/1	0.89	0.20	91,91,91,91	0
55	MG	BA	1742	1/1	0.89	0.18	60,60,60,60	0
55	MG	AA	4498	1/1	0.89	0.08	77,77,77,77	0
55	MG	CA	3846	1/1	0.89	0.07	126,126,126,126	0
55	MG	BA	1744	1/1	0.89	0.31	51,51,51,51	0
55	MG	BA	1745	1/1	0.89	0.20	70,70,70,70	0
55	MG	CA	3852	1/1	0.89	0.10	30,30,30,30	0
55	MG	DA	1740	1/1	0.89	0.18	46,46,46,46	0
55	MG	CA	3043	1/1	0.89	0.09	95,95,95,95	0
55	MG	AA	4733	1/1	0.89	0.07	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4938	1/1	0.89	0.17	45,45,45,45	0
55	MG	CA	3864	1/1	0.89	0.08	55,55,55,55	0
55	MG	BT	201	1/1	0.89	0.22	67,67,67,67	0
55	MG	BA	1889	1/1	0.89	0.08	98,98,98,98	0
55	MG	CA	4325	1/1	0.89	0.20	72,72,72,72	0
55	MG	AA	4736	1/1	0.89	0.11	50,50,50,50	0
55	MG	BA	2040	1/1	0.89	0.20	68,68,68,68	0
55	MG	CA	3057	1/1	0.89	0.05	51,51,51,51	0
55	MG	AA	4740	1/1	0.89	0.14	103,103,103,103	0
55	MG	CA	3519	1/1	0.89	0.23	68,68,68,68	0
55	MG	BV	105	1/1	0.89	0.08	56,56,56,56	0
55	MG	CA	3886	1/1	0.89	0.08	58,58,58,58	0
55	MG	AA	5288	1/1	0.89	0.06	68,68,68,68	0
55	MG	BA	1756	1/1	0.89	0.14	59,59,59,59	0
55	MG	CA	4346	1/1	0.89	0.12	60,60,60,60	0
55	MG	BV	110	1/1	0.89	0.11	71,71,71,71	0
55	MG	CA	3893	1/1	0.89	0.13	54,54,54,54	0
55	MG	BA	1898	1/1	0.89	0.11	54,54,54,54	0
55	MG	AA	4456	1/1	0.89	0.12	61,61,61,61	0
55	MG	CA	3538	1/1	0.89	0.10	50,50,50,50	0
55	MG	CA	3070	1/1	0.89	0.08	39,39,39,39	0
55	MG	AA	4334	1/1	0.89	0.19	53,53,53,53	0
55	MG	BV	114	1/1	0.89	0.07	70,70,70,70	0
55	MG	AA	4169	1/1	0.89	0.19	67,67,67,67	0
55	MG	AA	4673	1/1	0.89	0.08	49,49,49,49	0
55	MG	DA	1788	1/1	0.89	0.08	70,70,70,70	0
55	MG	AA	5173	1/1	0.89	0.18	68,68,68,68	0
55	MG	BA	2057	1/1	0.89	0.18	46,46,46,46	0
55	MG	BA	2058	1/1	0.89	0.11	63,63,63,63	0
55	MG	AA	5297	1/1	0.89	0.24	71,71,71,71	0
55	MG	DA	2145	1/1	0.89	0.09	84,84,84,84	0
55	MG	AB	202	1/1	0.89	0.17	95,95,95,95	0
55	MG	AA	4617	1/1	0.89	0.06	51,51,51,51	0
55	MG	AA	4679	1/1	0.89	0.09	40,40,40,40	0
55	MG	CA	4366	1/1	0.89	0.06	70,70,70,70	0
55	MG	AA	4683	1/1	0.89	0.12	53,53,53,53	0
55	MG	BW	103	1/1	0.89	0.08	60,60,60,60	0
55	MG	CA	3102	1/1	0.89	0.32	20,20,20,20	0
55	MG	CA	3930	1/1	0.89	0.09	74,74,74,74	0
55	MG	CA	3115	1/1	0.89	0.19	16,16,16,16	0
55	MG	AA	4156	1/1	0.89	0.08	72,72,72,72	0
55	MG	AA	4963	1/1	0.89	0.07	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4752	1/1	0.89	0.10	78,78,78,78	0
55	MG	CA	4385	1/1	0.89	0.10	61,61,61,61	0
55	MG	DA	2176	1/1	0.89	0.09	57,57,57,57	0
55	MG	BA	1637	1/1	0.89	0.09	70,70,70,70	0
55	MG	CA	3153	1/1	0.89	0.21	27,27,27,27	0
55	MG	AA	4047	1/1	0.89	0.10	65,65,65,65	0
55	MG	CA	3593	1/1	0.89	0.06	62,62,62,62	0
55	MG	CA	3595	1/1	0.89	0.11	54,54,54,54	0
55	MG	CA	3946	1/1	0.89	0.10	51,51,51,51	0
55	MG	AA	4968	1/1	0.89	0.18	65,65,65,65	0
55	MG	AA	4393	1/1	0.89	0.09	57,57,57,57	0
55	MG	AA	5087	1/1	0.89	0.11	43,43,43,43	0
55	MG	BA	1795	1/1	0.89	0.13	75,75,75,75	0
55	MG	DA	2195	1/1	0.89	0.12	78,78,78,78	0
55	MG	AA	4622	1/1	0.89	0.06	79,79,79,79	0
55	MG	AA	5090	1/1	0.89	0.14	73,73,73,73	0
55	MG	DA	2201	1/1	0.89	0.19	75,75,75,75	0
55	MG	CB	201	1/1	0.89	0.10	61,61,61,61	0
55	MG	CA	3187	1/1	0.89	0.14	36,36,36,36	0
55	MG	CA	3193	1/1	0.89	0.28	38,38,38,38	0
55	MG	DA	1835	1/1	0.89	0.07	85,85,85,85	0
55	MG	DG	201	1/1	0.89	0.09	73,73,73,73	0
55	MG	CA	3199	1/1	0.89	0.14	41,41,41,41	0
55	MG	CB	205	1/1	0.89	0.07	75,75,75,75	0
55	MG	DH	203	1/1	0.89	0.30	102,102,102,102	0
55	MG	CA	3982	1/1	0.89	0.21	57,57,57,57	0
55	MG	DA	1842	1/1	0.89	0.10	70,70,70,70	0
55	MG	AA	4570	1/1	0.89	0.11	76,76,76,76	0
55	MG	DL	202	1/1	0.89	0.08	60,60,60,60	0
55	MG	BA	1928	1/1	0.89	0.06	53,53,53,53	0
55	MG	CA	3221	1/1	0.89	0.16	37,37,37,37	0
55	MG	AA	5092	1/1	0.89	0.12	55,55,55,55	0
55	MG	CB	217	1/1	0.89	0.09	35,35,35,35	0
55	MG	BA	2091	1/1	0.89	0.08	70,70,70,70	0
55	MG	CA	3632	1/1	0.89	0.08	61,61,61,61	0
55	MG	CA	4020	1/1	0.89	0.12	21,21,21,21	0
55	MG	AA	4853	1/1	0.89	0.16	52,52,52,52	0
55	MG	AA	4974	1/1	0.89	0.21	73,73,73,73	0
55	MG	CA	4027	1/1	0.89	0.13	67,67,67,67	0
55	MG	AA	4630	1/1	0.89	0.16	72,72,72,72	0
55	MG	AA	4096	1/1	0.89	0.22	70,70,70,70	0
55	MG	CA	3270	1/1	0.89	0.08	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1654	1/1	0.89	0.10	89,89,89,89	0
55	MG	CA	3274	1/1	0.89	0.20	40,40,40,40	0
55	MG	CB	238	1/1	0.89	0.05	52,52,52,52	0
55	MG	CA	4043	1/1	0.89	0.13	47,47,47,47	0
55	MG	DV	121	1/1	0.89	0.06	62,62,62,62	0
55	MG	CB	240	1/1	0.89	0.12	54,54,54,54	0
55	MG	CA	2918	1/1	0.89	0.28	89,89,89,89	0
55	MG	CA	4047	1/1	0.89	0.11	38,38,38,38	0
55	MG	AA	4466	1/1	0.89	0.09	57,57,57,57	0
55	MG	CB	245	1/1	0.89	0.09	51,51,51,51	0
55	MG	CA	4049	1/1	0.89	0.08	62,62,62,62	0
55	MG	CB	247	1/1	0.89	0.10	55,55,55,55	0
55	MG	CA	3652	1/1	0.89	0.10	51,51,51,51	0
55	MG	CA	3278	1/1	0.89	0.18	36,36,36,36	0
55	MG	CB	252	1/1	0.89	0.07	64,64,64,64	0
55	MG	AA	5207	1/1	0.89	0.13	65,65,65,65	0
55	MG	CA	4063	1/1	0.89	0.15	58,58,58,58	0
55	MG	CA	4066	1/1	0.89	0.12	54,54,54,54	0
55	MG	CA	4067	1/1	0.89	0.07	50,50,50,50	0
55	MG	AA	5209	1/1	0.89	0.10	51,51,51,51	0
55	MG	CA	3657	1/1	0.89	0.14	53,53,53,53	0
55	MG	CA	3300	1/1	0.89	0.31	60,60,60,60	0
55	MG	DW	119	1/1	0.89	0.07	49,49,49,49	0
55	MG	AA	4984	1/1	0.89	0.17	39,39,39,39	0
55	MG	AA	4858	1/1	0.89	0.14	50,50,50,50	0
55	MG	DW	122	1/1	0.89	0.06	72,72,72,72	0
55	MG	CA	4082	1/1	0.89	0.13	43,43,43,43	0
55	MG	CA	4100	1/1	0.90	0.17	65,65,65,65	0
55	MG	CA	3322	1/1	0.90	0.38	66,66,66,66	0
55	MG	CA	4103	1/1	0.90	0.08	43,43,43,43	0
55	MG	AD	303	1/1	0.90	0.15	38,38,38,38	0
55	MG	AA	4462	1/1	0.90	0.19	48,48,48,48	0
55	MG	AE	301	1/1	0.90	0.10	74,74,74,74	0
55	MG	BA	2088	1/1	0.90	0.22	55,55,55,55	0
55	MG	AA	4117	1/1	0.90	0.11	71,71,71,71	0
55	MG	CA	3335	1/1	0.90	0.11	34,34,34,34	0
55	MG	CA	3336	1/1	0.90	0.08	36,36,36,36	0
55	MG	CL	207	1/1	0.90	0.17	41,41,41,41	0
55	MG	CN	203	1/1	0.90	0.22	65,65,65,65	0
55	MG	AF	301	1/1	0.90	0.26	59,59,59,59	0
55	MG	AF	303	1/1	0.90	0.10	62,62,62,62	0
55	MG	BA	1722	1/1	0.90	0.18	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CR	201	1/1	0.90	0.07	17,17,17,17	0
55	MG	CA	3346	1/1	0.90	0.17	39,39,39,39	0
55	MG	AF	304	1/1	0.90	0.15	73,73,73,73	0
55	MG	AF	306	1/1	0.90	0.07	53,53,53,53	0
55	MG	AG	201	1/1	0.90	0.07	78,78,78,78	0
55	MG	AA	5103	1/1	0.90	0.09	47,47,47,47	0
55	MG	CA	4150	1/1	0.90	0.24	75,75,75,75	0
55	MG	CA	4152	1/1	0.90	0.17	77,77,77,77	0
55	MG	CY	101	1/1	0.90	0.17	58,58,58,58	0
55	MG	AA	5229	1/1	0.90	0.10	54,54,54,54	0
55	MG	CA	3353	1/1	0.90	0.18	50,50,50,50	0
55	MG	AA	4843	1/1	0.90	0.12	51,51,51,51	0
55	MG	CA	4166	1/1	0.90	0.17	59,59,59,59	0
55	MG	AA	5105	1/1	0.90	0.06	47,47,47,47	0
55	MG	CA	4175	1/1	0.90	0.13	64,64,64,64	0
55	MG	AA	5106	1/1	0.90	0.16	56,56,56,56	0
55	MG	CA	4178	1/1	0.90	0.16	50,50,50,50	0
55	MG	AA	4749	1/1	0.90	0.09	51,51,51,51	0
55	MG	DA	1942	1/1	0.90	0.06	58,58,58,58	0
55	MG	AA	4223	1/1	0.90	0.17	39,39,39,39	0
55	MG	DA	1944	1/1	0.90	0.05	64,64,64,64	0
55	MG	AA	4521	1/1	0.90	0.09	64,64,64,64	0
55	MG	BA	1746	1/1	0.90	0.06	48,48,48,48	0
55	MG	AS	205	1/1	0.90	0.11	70,70,70,70	0
55	MG	AA	4269	1/1	0.90	0.20	34,34,34,34	0
55	MG	AA	5240	1/1	0.90	0.32	93,93,93,93	0
55	MG	AA	4109	1/1	0.90	0.20	59,59,59,59	0
55	MG	CA	4195	1/1	0.90	0.12	64,64,64,64	0
55	MG	CA	3391	1/1	0.90	0.23	72,72,72,72	0
55	MG	DA	1617	1/1	0.90	0.06	78,78,78,78	0
55	MG	AX	104	1/1	0.90	0.19	65,65,65,65	0
55	MG	BA	2122	1/1	0.90	0.13	44,44,44,44	0
55	MG	DA	1959	1/1	0.90	0.14	45,45,45,45	0
55	MG	DA	1620	1/1	0.90	0.08	101,101,101,101	0
55	MG	DA	1971	1/1	0.90	0.06	45,45,45,45	0
55	MG	AX	106	1/1	0.90	0.07	50,50,50,50	0
55	MG	DA	1975	1/1	0.90	0.09	43,43,43,43	0
55	MG	AA	4533	1/1	0.90	0.09	64,64,64,64	0
55	MG	AA	4086	1/1	0.90	0.28	57,57,57,57	0
55	MG	AA	4681	1/1	0.90	0.08	69,69,69,69	0
55	MG	AA	4311	1/1	0.90	0.28	60,60,60,60	0
55	MG	CA	2987	1/1	0.90	0.11	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1762	1/1	0.90	0.29	71,71,71,71	0
55	MG	BA	1601	1/1	0.90	0.07	78,78,78,78	0
55	MG	AA	4864	1/1	0.90	0.14	30,30,30,30	0
55	MG	CA	4219	1/1	0.90	0.22	78,78,78,78	0
55	MG	DA	1634	1/1	0.90	0.16	79,79,79,79	0
55	MG	CA	3761	1/1	0.90	0.14	57,57,57,57	0
55	MG	CA	3430	1/1	0.90	0.21	52,52,52,52	0
55	MG	BA	1938	1/1	0.90	0.19	78,78,78,78	0
55	MG	DA	1642	1/1	0.90	0.27	87,87,87,87	0
55	MG	CA	3768	1/1	0.90	0.22	84,84,84,84	0
55	MG	AA	4606	1/1	0.90	0.24	109,109,109,109	0
55	MG	AA	4275	1/1	0.90	0.13	41,41,41,41	0
55	MG	BA	1774	1/1	0.90	0.10	57,57,57,57	0
55	MG	AA	4416	1/1	0.90	0.25	56,56,56,56	0
55	MG	CA	3441	1/1	0.90	0.16	63,63,63,63	0
55	MG	DA	2021	1/1	0.90	0.07	49,49,49,49	0
55	MG	AA	4418	1/1	0.90	0.25	53,53,53,53	0
55	MG	DA	2024	1/1	0.90	0.13	63,63,63,63	0
55	MG	AA	4419	1/1	0.90	0.11	64,64,64,64	0
55	MG	CA	3447	1/1	0.90	0.11	57,57,57,57	0
55	MG	DA	1653	1/1	0.90	0.06	47,47,47,47	0
55	MG	AA	4692	1/1	0.90	0.07	57,57,57,57	0
55	MG	AA	4168	1/1	0.90	0.10	65,65,65,65	0
55	MG	AA	4886	1/1	0.90	0.06	42,42,42,42	0
55	MG	AA	4424	1/1	0.90	0.26	48,48,48,48	0
55	MG	BA	1788	1/1	0.90	0.18	58,58,58,58	0
55	MG	BA	1957	1/1	0.90	0.08	33,33,33,33	0
55	MG	DA	2041	1/1	0.90	0.06	112,112,112,112	0
55	MG	CA	3813	1/1	0.90	0.06	58,58,58,58	0
55	MG	CA	4256	1/1	0.90	0.06	70,70,70,70	0
55	MG	BA	1960	1/1	0.90	0.15	35,35,35,35	0
55	MG	BA	1962	1/1	0.90	0.17	49,49,49,49	0
55	MG	CA	3816	1/1	0.90	0.13	68,68,68,68	0
55	MG	CA	3024	1/1	0.90	0.25	75,75,75,75	0
55	MG	CA	3820	1/1	0.90	0.20	100,100,100,100	0
55	MG	DA	1669	1/1	0.90	0.18	98,98,98,98	0
55	MG	CA	3463	1/1	0.90	0.37	70,70,70,70	0
55	MG	CA	3025	1/1	0.90	0.08	46,46,46,46	0
55	MG	AA	4546	1/1	0.90	0.17	76,76,76,76	0
55	MG	DA	2059	1/1	0.90	0.10	52,52,52,52	0
55	MG	CA	4272	1/1	0.90	0.13	65,65,65,65	0
55	MG	AA	4430	1/1	0.90	0.22	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4433	1/1	0.90	0.07	63,63,63,63	0
55	MG	AA	4129	1/1	0.90	0.39	66,66,66,66	0
55	MG	DA	1682	1/1	0.90	0.10	68,68,68,68	0
55	MG	AA	4781	1/1	0.90	0.07	46,46,46,46	0
55	MG	CA	3478	1/1	0.90	0.28	48,48,48,48	0
55	MG	CA	4282	1/1	0.90	0.21	56,56,56,56	0
55	MG	CA	3039	1/1	0.90	0.10	81,81,81,81	0
55	MG	BA	1971	1/1	0.90	0.10	34,34,34,34	0
55	MG	CA	3487	1/1	0.90	0.15	50,50,50,50	0
55	MG	CA	3489	1/1	0.90	0.18	69,69,69,69	0
55	MG	DA	1708	1/1	0.90	0.08	46,46,46,46	0
55	MG	CA	3041	1/1	0.90	0.20	72,72,72,72	0
55	MG	AA	4624	1/1	0.90	0.07	75,75,75,75	0
55	MG	CA	4291	1/1	0.90	0.06	46,46,46,46	0
55	MG	AA	4905	1/1	0.90	0.07	71,71,71,71	0
55	MG	DA	1718	1/1	0.90	0.15	43,43,43,43	0
55	MG	CA	4294	1/1	0.90	0.57	94,94,94,94	0
55	MG	CA	3857	1/1	0.90	0.07	44,44,44,44	0
55	MG	AA	4625	1/1	0.90	0.35	68,68,68,68	0
55	MG	DA	2090	1/1	0.90	0.08	86,86,86,86	0
55	MG	DA	2092	1/1	0.90	0.05	70,70,70,70	0
55	MG	CA	3498	1/1	0.90	0.15	44,44,44,44	0
55	MG	CA	3863	1/1	0.90	0.06	50,50,50,50	0
55	MG	AA	4487	1/1	0.90	0.10	43,43,43,43	0
55	MG	BA	1977	1/1	0.90	0.13	65,65,65,65	0
55	MG	DA	1732	1/1	0.90	0.12	64,64,64,64	0
55	MG	CA	4305	1/1	0.90	0.17	46,46,46,46	0
55	MG	CA	3052	1/1	0.90	0.20	86,86,86,86	0
55	MG	DA	1736	1/1	0.90	0.12	60,60,60,60	0
55	MG	CA	3502	1/1	0.90	0.45	75,75,75,75	0
55	MG	CA	4314	1/1	0.90	0.09	62,62,62,62	0
55	MG	DA	1741	1/1	0.90	0.07	60,60,60,60	0
55	MG	AA	5281	1/1	0.90	0.08	56,56,56,56	0
55	MG	AA	4284	1/1	0.90	0.10	28,28,28,28	0
55	MG	AA	5287	1/1	0.90	0.10	58,58,58,58	0
55	MG	AA	4558	1/1	0.90	0.10	48,48,48,48	0
55	MG	CA	3884	1/1	0.90	0.27	86,86,86,86	0
55	MG	BA	1986	1/1	0.90	0.05	56,56,56,56	0
55	MG	AA	4919	1/1	0.90	0.14	64,64,64,64	0
55	MG	AA	5290	1/1	0.90	0.06	69,69,69,69	0
55	MG	AA	4025	1/1	0.90	0.12	59,59,59,59	0
55	MG	CA	3891	1/1	0.90	0.10	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4491	1/1	0.90	0.07	74,74,74,74	0
55	MG	AA	5294	1/1	0.90	0.08	61,61,61,61	0
55	MG	BA	1996	1/1	0.90	0.07	61,61,61,61	0
55	MG	AA	4923	1/1	0.90	0.28	64,64,64,64	0
55	MG	CA	3897	1/1	0.90	0.14	86,86,86,86	0
55	MG	AA	5162	1/1	0.90	0.06	47,47,47,47	0
55	MG	CA	3900	1/1	0.90	0.24	39,39,39,39	0
55	MG	CA	3074	1/1	0.90	0.12	39,39,39,39	0
55	MG	AA	5163	1/1	0.90	0.12	63,63,63,63	0
55	MG	AA	5044	1/1	0.90	0.08	72,72,72,72	0
55	MG	DA	2133	1/1	0.90	0.07	66,66,66,66	0
55	MG	BA	1643	1/1	0.90	0.15	81,81,81,81	0
55	MG	DA	1780	1/1	0.90	0.09	83,83,83,83	0
55	MG	AA	4804	1/1	0.90	0.16	57,57,57,57	0
55	MG	AA	4441	1/1	0.90	0.12	43,43,43,43	0
55	MG	CA	3546	1/1	0.90	0.19	55,55,55,55	0
55	MG	CA	3083	1/1	0.90	0.08	57,57,57,57	0
55	MG	BA	1646	1/1	0.90	0.07	59,59,59,59	0
55	MG	DA	2142	1/1	0.90	0.26	45,45,45,45	0
55	MG	AA	4563	1/1	0.90	0.07	54,54,54,54	0
55	MG	CA	4360	1/1	0.90	0.09	52,52,52,52	0
55	MG	AA	4812	1/1	0.90	0.08	62,62,62,62	0
55	MG	DA	2150	1/1	0.90	0.11	57,57,57,57	0
55	MG	CA	3564	1/1	0.90	0.24	70,70,70,70	0
55	MG	AA	4934	1/1	0.90	0.12	41,41,41,41	0
55	MG	AB	213	1/1	0.90	0.20	76,76,76,76	0
55	MG	CA	3922	1/1	0.90	0.15	72,72,72,72	0
55	MG	AA	5054	1/1	0.90	0.07	48,48,48,48	0
55	MG	AA	4443	1/1	0.90	0.06	43,43,43,43	0
55	MG	BA	1655	1/1	0.90	0.12	77,77,77,77	0
55	MG	AA	4198	1/1	0.90	0.21	46,46,46,46	0
55	MG	DA	1802	1/1	0.90	0.13	77,77,77,77	0
55	MG	BV	117	1/1	0.90	0.13	43,43,43,43	0
55	MG	CA	3934	1/1	0.90	0.05	55,55,55,55	0
55	MG	AB	217	1/1	0.90	0.15	84,84,84,84	0
55	MG	AA	4088	1/1	0.90	0.15	120,120,120,120	0
55	MG	AA	4940	1/1	0.90	0.06	48,48,48,48	0
55	MG	CA	3151	1/1	0.90	0.27	42,42,42,42	0
55	MG	DA	2179	1/1	0.90	0.14	73,73,73,73	0
55	MG	AA	4573	1/1	0.90	0.10	59,59,59,59	0
55	MG	AA	4818	1/1	0.90	0.11	79,79,79,79	0
55	MG	AA	5070	1/1	0.90	0.09	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4945	1/1	0.90	0.10	58,58,58,58	0
55	MG	BA	2032	1/1	0.90	0.14	59,59,59,59	0
55	MG	AA	4820	1/1	0.90	0.07	44,44,44,44	0
55	MG	AA	4645	1/1	0.90	0.08	57,57,57,57	0
55	MG	CA	3178	1/1	0.90	0.11	25,25,25,25	0
55	MG	AA	4208	1/1	0.90	0.22	34,34,34,34	0
55	MG	DA	2196	1/1	0.90	0.20	90,90,90,90	0
55	MG	AA	5084	1/1	0.90	0.08	57,57,57,57	0
55	MG	DA	2199	1/1	0.90	0.12	59,59,59,59	0
55	MG	AA	4453	1/1	0.90	0.13	48,48,48,48	0
55	MG	CA	3614	1/1	0.90	0.11	84,84,84,84	0
55	MG	BA	1670	1/1	0.90	0.05	78,78,78,78	0
55	MG	DA	1830	1/1	0.90	0.08	56,56,56,56	0
55	MG	CA	3986	1/1	0.90	0.11	38,38,38,38	0
55	MG	AA	4732	1/1	0.90	0.33	112,112,112,112	0
55	MG	CA	3993	1/1	0.90	0.13	37,37,37,37	0
55	MG	CA	3205	1/1	0.90	0.16	34,34,34,34	0
55	MG	CB	206	1/1	0.90	0.07	61,61,61,61	0
55	MG	CA	3209	1/1	0.90	0.16	38,38,38,38	0
55	MG	AA	4958	1/1	0.90	0.17	78,78,78,78	0
55	MG	DA	1840	1/1	0.90	0.11	68,68,68,68	0
55	MG	CB	210	1/1	0.90	0.07	81,81,81,81	0
55	MG	AA	4293	1/1	0.90	0.24	43,43,43,43	0
55	MG	AA	5089	1/1	0.90	0.16	57,57,57,57	0
55	MG	CB	213	1/1	0.90	0.09	65,65,65,65	0
55	MG	CA	3233	1/1	0.90	0.17	33,33,33,33	0
55	MG	CA	3629	1/1	0.90	0.28	106,106,106,106	0
55	MG	AA	4827	1/1	0.90	0.07	64,64,64,64	0
55	MG	CA	3245	1/1	0.90	0.08	31,31,31,31	0
55	MG	AB	238	1/1	0.90	0.06	55,55,55,55	0
55	MG	AA	4294	1/1	0.90	0.24	50,50,50,50	0
55	MG	BA	1871	1/1	0.90	0.09	71,71,71,71	0
55	MG	AA	4343	1/1	0.90	0.23	43,43,43,43	0
55	MG	CA	3642	1/1	0.90	0.08	46,46,46,46	0
55	MG	CA	3266	1/1	0.90	0.13	25,25,25,25	0
55	MG	CA	3269	1/1	0.90	0.20	40,40,40,40	0
55	MG	AA	4345	1/1	0.90	0.15	59,59,59,59	0
55	MG	CA	2902	1/1	0.90	0.18	65,65,65,65	0
55	MG	AA	4833	1/1	0.90	0.20	69,69,69,69	0
55	MG	AA	5215	1/1	0.90	0.08	68,68,68,68	0
55	MG	DV	120	1/1	0.90	0.11	54,54,54,54	0
55	MG	CA	4054	1/1	0.90	0.26	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4511	1/1	0.90	0.23	71,71,71,71	0
55	MG	BA	1684	1/1	0.90	0.22	29,29,29,29	0
55	MG	CA	3656	1/1	0.90	0.24	44,44,44,44	0
55	MG	CA	3285	1/1	0.90	0.22	45,45,45,45	0
55	MG	BA	1685	1/1	0.90	0.27	34,34,34,34	0
55	MG	DA	1875	1/1	0.90	0.09	77,77,77,77	0
55	MG	DA	1876	1/1	0.90	0.08	56,56,56,56	0
55	MG	CA	4068	1/1	0.90	0.14	66,66,66,66	0
55	MG	CB	248	1/1	0.90	0.09	63,63,63,63	0
55	MG	AA	4513	1/1	0.90	0.10	42,42,42,42	0
55	MG	BA	2074	1/1	0.90	0.10	46,46,46,46	0
55	MG	BA	1693	1/1	0.90	0.14	43,43,43,43	0
55	MG	AA	5221	1/1	0.90	0.17	55,55,55,55	0
55	MG	CA	4079	1/1	0.90	0.13	51,51,51,51	0
55	MG	BA	1886	1/1	0.90	0.08	63,63,63,63	0
55	MG	BA	1887	1/1	0.90	0.05	51,51,51,51	0
55	MG	AB	248	1/1	0.90	0.15	50,50,50,50	0
55	MG	AB	249	1/1	0.90	0.05	73,73,73,73	0
55	MG	CA	3682	1/1	0.90	0.11	93,93,93,93	0
55	MG	CA	3683	1/1	0.90	0.06	62,62,62,62	0
55	MG	DA	1896	1/1	0.90	0.08	74,74,74,74	0
55	MG	AA	4021	1/1	0.90	0.12	60,60,60,60	0
55	MG	CA	3243	1/1	0.91	0.27	54,54,54,54	0
55	MG	AA	4475	1/1	0.91	0.13	53,53,53,53	0
55	MG	DA	1883	1/1	0.91	0.13	75,75,75,75	0
55	MG	AA	4795	1/1	0.91	0.22	105,105,105,105	0
55	MG	BA	2045	1/1	0.91	0.11	56,56,56,56	0
55	MG	CA	4050	1/1	0.91	0.09	54,54,54,54	0
55	MG	AR	204	1/1	0.91	0.15	40,40,40,40	0
55	MG	CA	3260	1/1	0.91	0.12	25,25,25,25	0
55	MG	AA	5014	1/1	0.91	0.06	45,45,45,45	0
55	MG	BA	2048	1/1	0.91	0.11	47,47,47,47	0
55	MG	CA	3267	1/1	0.91	0.12	56,56,56,56	0
55	MG	AA	4523	1/1	0.91	0.14	66,66,66,66	0
55	MG	DA	1899	1/1	0.91	0.05	71,71,71,71	0
55	MG	BA	2050	1/1	0.91	0.09	62,62,62,62	0
55	MG	AA	4801	1/1	0.91	0.06	61,61,61,61	0
55	MG	AA	5019	1/1	0.91	0.19	67,67,67,67	0
55	MG	AA	5262	1/1	0.91	0.20	64,64,64,64	0
55	MG	AA	4900	1/1	0.91	0.14	47,47,47,47	0
55	MG	CB	260	1/1	0.91	0.06	54,54,54,54	0
55	MG	CA	2907	1/1	0.91	0.21	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3282	1/1	0.91	0.07	25,25,25,25	0
55	MG	CA	3283	1/1	0.91	0.20	47,47,47,47	0
55	MG	CA	2909	1/1	0.91	0.17	67,67,67,67	0
55	MG	AA	4325	1/1	0.91	0.19	44,44,44,44	0
55	MG	CA	3291	1/1	0.91	0.08	31,31,31,31	0
55	MG	BA	1727	1/1	0.91	0.10	48,48,48,48	0
55	MG	BA	1888	1/1	0.91	0.05	75,75,75,75	0
55	MG	BA	2061	1/1	0.91	0.21	65,65,65,65	0
55	MG	CA	4099	1/1	0.91	0.18	47,47,47,47	0
55	MG	CA	3306	1/1	0.91	0.10	25,25,25,25	0
55	MG	BA	2063	1/1	0.91	0.09	37,37,37,37	0
55	MG	BA	2064	1/1	0.91	0.11	79,79,79,79	0
55	MG	BA	2065	1/1	0.91	0.05	39,39,39,39	0
55	MG	CL	204	1/1	0.91	0.12	41,41,41,41	0
55	MG	BA	2066	1/1	0.91	0.15	58,58,58,58	0
55	MG	AA	5265	1/1	0.91	0.09	68,68,68,68	0
55	MG	CA	3690	1/1	0.91	0.34	89,89,89,89	0
55	MG	AA	5024	1/1	0.91	0.09	52,52,52,52	0
55	MG	CA	4118	1/1	0.91	0.18	58,58,58,58	0
55	MG	BA	1891	1/1	0.91	0.09	56,56,56,56	0
55	MG	CR	202	1/1	0.91	0.51	66,66,66,66	0
55	MG	CA	3698	1/1	0.91	0.06	65,65,65,65	0
55	MG	CA	4128	1/1	0.91	0.21	64,64,64,64	0
55	MG	CA	4130	1/1	0.91	0.09	49,49,49,49	0
55	MG	AA	4526	1/1	0.91	0.15	49,49,49,49	0
55	MG	CA	3700	1/1	0.91	0.25	79,79,79,79	0
55	MG	AA	4104	1/1	0.91	0.24	91,91,91,91	0
55	MG	BA	1739	1/1	0.91	0.34	73,73,73,73	0
55	MG	CX	101	1/1	0.91	0.19	71,71,71,71	0
55	MG	AA	4431	1/1	0.91	0.22	59,59,59,59	0
55	MG	CA	3707	1/1	0.91	0.04	49,49,49,49	0
55	MG	CA	3332	1/1	0.91	0.16	45,45,45,45	0
55	MG	CA	2937	1/1	0.91	0.13	86,86,86,86	0
55	MG	CA	4145	1/1	0.91	0.35	147,147,147,147	0
55	MG	CA	4147	1/1	0.91	0.13	64,64,64,64	0
55	MG	CA	4149	1/1	0.91	0.10	39,39,39,39	0
55	MG	AA	4808	1/1	0.91	0.34	73,73,73,73	0
55	MG	CA	4151	1/1	0.91	0.14	57,57,57,57	0
55	MG	AA	5274	1/1	0.91	0.07	66,66,66,66	0
55	MG	AA	4917	1/1	0.91	0.11	41,41,41,41	0
55	MG	CA	4157	1/1	0.91	0.20	63,63,63,63	0
55	MG	DA	1962	1/1	0.91	0.12	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1964	1/1	0.91	0.13	38,38,38,38	0
55	MG	CA	4160	1/1	0.91	0.04	67,67,67,67	0
55	MG	DA	1608	1/1	0.91	0.07	71,71,71,71	0
55	MG	AA	4048	1/1	0.91	0.05	62,62,62,62	0
55	MG	DA	1610	1/1	0.91	0.10	59,59,59,59	0
55	MG	AA	4653	1/1	0.91	0.11	90,90,90,90	0
55	MG	AA	4030	1/1	0.91	0.07	62,62,62,62	0
55	MG	AA	4537	1/1	0.91	0.21	58,58,58,58	0
55	MG	DA	1988	1/1	0.91	0.07	69,69,69,69	0
55	MG	CA	4174	1/1	0.91	0.09	53,53,53,53	0
55	MG	CA	3725	1/1	0.91	0.14	67,67,67,67	0
55	MG	AA	5151	1/1	0.91	0.07	58,58,58,58	0
55	MG	AA	5039	1/1	0.91	0.13	51,51,51,51	0
55	MG	AA	4246	1/1	0.91	0.30	43,43,43,43	0
55	MG	CA	4180	1/1	0.91	0.14	63,63,63,63	0
55	MG	AA	4925	1/1	0.91	0.11	29,29,29,29	0
55	MG	AA	5161	1/1	0.91	0.09	48,48,48,48	0
55	MG	CA	4183	1/1	0.91	0.18	71,71,71,71	0
55	MG	AA	4016	1/1	0.91	0.13	99,99,99,99	0
55	MG	CA	4185	1/1	0.91	0.12	53,53,53,53	0
55	MG	CA	2956	1/1	0.91	0.37	59,59,59,59	0
55	MG	DA	2010	1/1	0.91	0.05	61,61,61,61	0
55	MG	CA	4187	1/1	0.91	0.23	69,69,69,69	0
55	MG	AA	4595	1/1	0.91	0.23	62,62,62,62	0
55	MG	CA	3742	1/1	0.91	0.21	112,112,112,112	0
55	MG	CA	4191	1/1	0.91	0.06	55,55,55,55	0
55	MG	AA	5293	1/1	0.91	0.09	49,49,49,49	0
55	MG	DA	2019	1/1	0.91	0.19	62,62,62,62	0
55	MG	CA	3360	1/1	0.91	0.18	53,53,53,53	0
55	MG	CA	4198	1/1	0.91	0.21	93,93,93,93	0
55	MG	BA	1764	1/1	0.91	0.07	51,51,51,51	0
55	MG	AA	4819	1/1	0.91	0.14	77,77,77,77	0
55	MG	AA	4209	1/1	0.91	0.13	47,47,47,47	0
55	MG	BA	1621	1/1	0.91	0.11	67,67,67,67	0
55	MG	CA	3370	1/1	0.91	0.18	52,52,52,52	0
55	MG	AA	4737	1/1	0.91	0.27	71,71,71,71	0
55	MG	AA	4597	1/1	0.91	0.17	54,54,54,54	0
55	MG	DA	2036	1/1	0.91	0.07	54,54,54,54	0
55	MG	CA	3378	1/1	0.91	0.10	44,44,44,44	0
55	MG	BA	1776	1/1	0.91	0.17	66,66,66,66	0
55	MG	BA	1927	1/1	0.91	0.06	59,59,59,59	0
55	MG	DA	2040	1/1	0.91	0.11	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1777	1/1	0.91	0.08	63,63,63,63	0
55	MG	AB	201	1/1	0.91	0.17	87,87,87,87	0
55	MG	AA	4336	1/1	0.91	0.15	51,51,51,51	0
55	MG	DA	1655	1/1	0.91	0.18	85,85,85,85	0
55	MG	CA	3401	1/1	0.91	0.21	55,55,55,55	0
55	MG	BA	1931	1/1	0.91	0.28	61,61,61,61	0
55	MG	DA	2049	1/1	0.91	0.04	56,56,56,56	0
55	MG	CA	3762	1/1	0.91	0.13	78,78,78,78	0
55	MG	AA	4386	1/1	0.91	0.16	36,36,36,36	0
55	MG	BA	1630	1/1	0.91	0.18	47,47,47,47	0
55	MG	CA	2988	1/1	0.91	0.23	87,87,87,87	0
55	MG	AA	4122	1/1	0.91	0.13	65,65,65,65	0
55	MG	BA	1935	1/1	0.91	0.13	73,73,73,73	0
55	MG	CA	3775	1/1	0.91	0.17	66,66,66,66	0
55	MG	AA	4340	1/1	0.91	0.14	37,37,37,37	0
55	MG	AA	5060	1/1	0.91	0.11	54,54,54,54	0
55	MG	CA	3425	1/1	0.91	0.09	57,57,57,57	0
55	MG	CA	2996	1/1	0.91	0.18	55,55,55,55	0
55	MG	CA	3795	1/1	0.91	0.11	51,51,51,51	0
55	MG	CA	4246	1/1	0.91	0.07	51,51,51,51	0
55	MG	AB	210	1/1	0.91	0.09	68,68,68,68	0
55	MG	BA	1940	1/1	0.91	0.05	65,65,65,65	0
55	MG	BA	1635	1/1	0.91	0.11	63,63,63,63	0
55	MG	BA	1636	1/1	0.91	0.11	56,56,56,56	0
55	MG	CA	3006	1/1	0.91	0.27	50,50,50,50	0
55	MG	AA	4495	1/1	0.91	0.22	53,53,53,53	0
55	MG	CA	3805	1/1	0.91	0.16	72,72,72,72	0
55	MG	DA	1685	1/1	0.91	0.08	59,59,59,59	0
55	MG	AB	212	1/1	0.91	0.06	45,45,45,45	0
55	MG	AA	4342	1/1	0.91	0.14	40,40,40,40	0
55	MG	CA	3811	1/1	0.91	0.05	72,72,72,72	0
55	MG	BA	1946	1/1	0.91	0.06	69,69,69,69	0
55	MG	CA	3448	1/1	0.91	0.10	40,40,40,40	0
55	MG	DA	2087	1/1	0.91	0.09	64,64,64,64	0
55	MG	BA	1797	1/1	0.91	0.08	53,53,53,53	0
55	MG	DA	1706	1/1	0.91	0.17	54,54,54,54	0
55	MG	BA	2134	1/1	0.91	0.21	63,63,63,63	0
55	MG	AA	4611	1/1	0.91	0.19	98,98,98,98	0
55	MG	AA	4612	1/1	0.91	0.11	59,59,59,59	0
55	MG	AA	4266	1/1	0.91	0.20	43,43,43,43	0
55	MG	AA	4956	1/1	0.91	0.11	55,55,55,55	0
55	MG	CA	4278	1/1	0.91	0.07	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1720	1/1	0.91	0.24	66,66,66,66	0
55	MG	BA	1956	1/1	0.91	0.17	50,50,50,50	0
55	MG	CA	3830	1/1	0.91	0.24	66,66,66,66	0
55	MG	CA	4281	1/1	0.91	0.17	68,68,68,68	0
55	MG	CA	3831	1/1	0.91	0.20	90,90,90,90	0
55	MG	AA	4682	1/1	0.91	0.25	71,71,71,71	0
55	MG	CA	3461	1/1	0.91	0.15	45,45,45,45	0
55	MG	CA	3027	1/1	0.91	0.15	48,48,48,48	0
55	MG	AA	4040	1/1	0.91	0.15	60,60,60,60	0
55	MG	AA	4837	1/1	0.91	0.20	107,107,107,107	0
55	MG	BA	1963	1/1	0.91	0.12	51,51,51,51	0
55	MG	AA	4145	1/1	0.91	0.21	63,63,63,63	0
55	MG	BA	2148	1/1	0.91	0.07	88,88,88,88	0
55	MG	DA	1738	1/1	0.91	0.24	40,40,40,40	0
55	MG	BA	2149	1/1	0.91	0.04	70,70,70,70	0
55	MG	AA	4347	1/1	0.91	0.18	54,54,54,54	0
55	MG	CA	3851	1/1	0.91	0.11	74,74,74,74	0
55	MG	BA	1967	1/1	0.91	0.27	56,56,56,56	0
55	MG	CA	3853	1/1	0.91	0.08	21,21,21,21	0
55	MG	DA	1747	1/1	0.91	0.11	56,56,56,56	0
55	MG	BA	1811	1/1	0.91	0.08	68,68,68,68	0
55	MG	BA	2154	1/1	0.91	0.15	39,39,39,39	0
55	MG	CA	3483	1/1	0.91	0.21	52,52,52,52	0
55	MG	AA	4167	1/1	0.91	0.11	68,68,68,68	0
55	MG	BA	2157	1/1	0.91	0.08	49,49,49,49	0
55	MG	AA	4966	1/1	0.91	0.18	58,58,58,58	0
55	MG	CA	4315	1/1	0.91	0.04	58,58,58,58	0
55	MG	AA	4847	1/1	0.91	0.23	37,37,37,37	0
55	MG	AA	4848	1/1	0.91	0.09	30,30,30,30	0
55	MG	DA	1765	1/1	0.91	0.07	50,50,50,50	0
55	MG	BA	1819	1/1	0.91	0.17	67,67,67,67	0
55	MG	AA	4075	1/1	0.91	0.10	88,88,88,88	0
55	MG	CA	4324	1/1	0.91	0.20	79,79,79,79	0
55	MG	CA	3056	1/1	0.91	0.11	47,47,47,47	0
55	MG	CA	4326	1/1	0.91	0.13	57,57,57,57	0
55	MG	AA	4276	1/1	0.91	0.18	39,39,39,39	0
55	MG	BA	1976	1/1	0.91	0.08	29,29,29,29	0
55	MG	AA	4313	1/1	0.91	0.15	39,39,39,39	0
55	MG	AA	4354	1/1	0.91	0.13	55,55,55,55	0
55	MG	DA	2147	1/1	0.91	0.06	40,40,40,40	0
55	MG	CA	3506	1/1	0.91	0.07	25,25,25,25	0
55	MG	AA	5210	1/1	0.91	0.24	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1825	1/1	0.91	0.07	62,62,62,62	0
55	MG	CA	4340	1/1	0.91	0.13	40,40,40,40	0
55	MG	CA	3510	1/1	0.91	0.11	58,58,58,58	0
55	MG	DA	1785	1/1	0.91	0.05	76,76,76,76	0
55	MG	CA	3512	1/1	0.91	0.14	60,60,60,60	0
55	MG	AB	235	1/1	0.91	0.11	53,53,53,53	0
55	MG	AA	5211	1/1	0.91	0.13	74,74,74,74	0
55	MG	AA	5097	1/1	0.91	0.09	37,37,37,37	0
55	MG	DA	2167	1/1	0.91	0.15	41,41,41,41	0
55	MG	AA	5214	1/1	0.91	0.07	54,54,54,54	0
55	MG	CA	3073	1/1	0.91	0.28	94,94,94,94	0
55	MG	CA	4351	1/1	0.91	0.04	59,59,59,59	0
55	MG	BA	1832	1/1	0.91	0.20	83,83,83,83	0
55	MG	BA	1991	1/1	0.91	0.19	62,62,62,62	0
55	MG	CA	3528	1/1	0.91	0.09	43,43,43,43	0
55	MG	DA	1799	1/1	0.91	0.10	80,80,80,80	0
55	MG	BE	205	1/1	0.91	0.14	56,56,56,56	0
55	MG	CA	3531	1/1	0.91	0.09	52,52,52,52	0
55	MG	AA	4134	1/1	0.91	0.12	52,52,52,52	0
55	MG	BI	202	1/1	0.91	0.14	94,94,94,94	0
55	MG	BL	202	1/1	0.91	0.17	47,47,47,47	0
55	MG	CA	3082	1/1	0.91	0.18	113,113,113,113	0
55	MG	AA	4975	1/1	0.91	0.08	57,57,57,57	0
55	MG	AA	5218	1/1	0.91	0.10	51,51,51,51	0
55	MG	DA	1810	1/1	0.91	0.07	67,67,67,67	0
55	MG	AA	4766	1/1	0.91	0.16	63,63,63,63	0
55	MG	AA	4695	1/1	0.91	0.14	65,65,65,65	0
55	MG	AA	4769	1/1	0.91	0.14	69,69,69,69	0
55	MG	CA	3549	1/1	0.91	0.07	36,36,36,36	0
55	MG	BA	1839	1/1	0.91	0.21	105,105,105,105	0
55	MG	AA	4569	1/1	0.91	0.22	64,64,64,64	0
55	MG	CA	3557	1/1	0.91	0.21	59,59,59,59	0
55	MG	CA	3558	1/1	0.91	0.05	50,50,50,50	0
55	MG	DD	302	1/1	0.91	0.09	48,48,48,48	0
55	MG	AA	4772	1/1	0.91	0.12	51,51,51,51	0
55	MG	BA	2005	1/1	0.91	0.16	63,63,63,63	0
55	MG	CA	3104	1/1	0.91	0.24	19,19,19,19	0
55	MG	CA	3105	1/1	0.91	0.29	18,18,18,18	0
55	MG	AA	4187	1/1	0.91	0.20	30,30,30,30	0
55	MG	AA	4701	1/1	0.91	0.17	71,71,71,71	0
55	MG	CA	3570	1/1	0.91	0.12	57,57,57,57	0
55	MG	AA	4775	1/1	0.91	0.10	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4572	1/1	0.91	0.12	61,61,61,61	0
55	MG	CA	4393	1/1	0.91	0.22	69,69,69,69	0
55	MG	AA	4993	1/1	0.91	0.20	59,59,59,59	0
55	MG	AA	4188	1/1	0.91	0.26	44,44,44,44	0
55	MG	DR	101	1/1	0.91	0.25	62,62,62,62	0
55	MG	AA	4421	1/1	0.91	0.06	47,47,47,47	0
55	MG	CA	3951	1/1	0.91	0.23	94,94,94,94	0
55	MG	DA	1838	1/1	0.91	0.05	73,73,73,73	0
55	MG	DA	1839	1/1	0.91	0.06	88,88,88,88	0
55	MG	CA	3581	1/1	0.91	0.06	49,49,49,49	0
55	MG	CA	4399	1/1	0.91	0.05	70,70,70,70	0
55	MG	CA	3154	1/1	0.91	0.25	29,29,29,29	0
55	MG	AA	4880	1/1	0.91	0.13	34,34,34,34	0
55	MG	CA	3161	1/1	0.91	0.22	30,30,30,30	0
55	MG	AA	4883	1/1	0.91	0.15	47,47,47,47	0
55	MG	AA	4712	1/1	0.91	0.39	69,69,69,69	0
55	MG	CA	3966	1/1	0.91	0.21	49,49,49,49	0
55	MG	DA	1849	1/1	0.91	0.09	65,65,65,65	0
55	MG	AA	4422	1/1	0.91	0.35	50,50,50,50	0
55	MG	AA	5120	1/1	0.91	0.10	80,80,80,80	0
55	MG	CA	3985	1/1	0.91	0.09	22,22,22,22	0
55	MG	DA	1854	1/1	0.91	0.12	47,47,47,47	0
55	MG	BA	2023	1/1	0.91	0.06	45,45,45,45	0
55	MG	DV	124	1/1	0.91	0.10	61,61,61,61	0
55	MG	BA	1860	1/1	0.91	0.09	73,73,73,73	0
55	MG	AA	4636	1/1	0.91	0.25	102,102,102,102	0
55	MG	CA	3994	1/1	0.91	0.23	66,66,66,66	0
55	MG	CA	3996	1/1	0.91	0.19	49,49,49,49	0
55	MG	AA	4638	1/1	0.91	0.14	139,139,139,139	0
55	MG	AA	4520	1/1	0.91	0.06	67,67,67,67	0
55	MG	CA	3197	1/1	0.91	0.10	28,28,28,28	0
55	MG	CA	3198	1/1	0.91	0.16	31,31,31,31	0
55	MG	CA	4012	1/1	0.91	0.12	40,40,40,40	0
55	MG	AA	5010	1/1	0.91	0.36	81,81,81,81	0
55	MG	BA	1701	1/1	0.91	0.20	36,36,36,36	0
55	MG	CA	3201	1/1	0.91	0.14	24,24,24,24	0
55	MG	BA	1866	1/1	0.91	0.11	57,57,57,57	0
55	MG	BA	2034	1/1	0.91	0.07	47,47,47,47	0
55	MG	CA	3215	1/1	0.91	0.06	26,26,26,26	0
55	MG	BA	2035	1/1	0.91	0.17	61,61,61,61	0
55	MG	AA	5128	1/1	0.91	0.07	50,50,50,50	0
55	MG	BA	1705	1/1	0.91	0.09	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1711	1/1	0.91	0.25	57,57,57,57	0
55	MG	AO	201	1/1	0.91	0.19	67,67,67,67	0
55	MG	AA	4366	1/1	0.92	0.22	57,57,57,57	0
55	MG	AA	5048	1/1	0.92	0.26	69,69,69,69	0
55	MG	CA	3348	1/1	0.92	0.15	43,43,43,43	0
55	MG	BA	1627	1/1	0.92	0.08	61,61,61,61	0
55	MG	AA	4133	1/1	0.92	0.27	82,82,82,82	0
55	MG	AA	4824	1/1	0.92	0.07	51,51,51,51	0
55	MG	CA	4086	1/1	0.92	0.11	43,43,43,43	0
55	MG	AA	4226	1/1	0.92	0.09	25,25,25,25	0
55	MG	DA	1890	1/1	0.92	0.14	97,97,97,97	0
55	MG	AA	4171	1/1	0.92	0.30	21,21,21,21	0
55	MG	CA	3701	1/1	0.92	0.06	66,66,66,66	0
55	MG	BA	1952	1/1	0.92	0.10	22,22,22,22	0
55	MG	AA	4066	1/1	0.92	0.24	65,65,65,65	0
55	MG	AA	5055	1/1	0.92	0.10	48,48,48,48	0
55	MG	AA	4020	1/1	0.92	0.21	50,50,50,50	0
55	MG	CA	3708	1/1	0.92	0.24	77,77,77,77	0
55	MG	DA	1901	1/1	0.92	0.22	68,68,68,68	0
55	MG	BA	1958	1/1	0.92	0.18	45,45,45,45	0
55	MG	CA	3004	1/1	0.92	0.30	89,89,89,89	0
55	MG	AB	203	1/1	0.92	0.07	65,65,65,65	0
55	MG	CA	4109	1/1	0.92	0.12	45,45,45,45	0
55	MG	CA	3365	1/1	0.92	0.09	25,25,25,25	0
55	MG	CA	3367	1/1	0.92	0.45	50,50,50,50	0
55	MG	CE	306	1/1	0.92	0.20	64,64,64,64	0
55	MG	CF	303	1/1	0.92	0.20	53,53,53,53	0
55	MG	CA	3717	1/1	0.92	0.12	71,71,71,71	0
55	MG	AA	4829	1/1	0.92	0.16	82,82,82,82	0
55	MG	BA	2138	1/1	0.92	0.09	51,51,51,51	0
55	MG	AA	5175	1/1	0.92	0.09	62,62,62,62	0
55	MG	CA	4129	1/1	0.92	0.40	79,79,79,79	0
55	MG	AA	5176	1/1	0.92	0.22	61,61,61,61	0
55	MG	BA	1803	1/1	0.92	0.10	61,61,61,61	0
55	MG	CA	3377	1/1	0.92	0.06	44,44,44,44	0
55	MG	BA	1804	1/1	0.92	0.15	39,39,39,39	0
55	MG	CA	3379	1/1	0.92	0.15	37,37,37,37	0
55	MG	CA	3381	1/1	0.92	0.12	32,32,32,32	0
55	MG	CA	3382	1/1	0.92	0.13	38,38,38,38	0
55	MG	CQ	201	1/1	0.92	0.17	33,33,33,33	0
55	MG	CA	3383	1/1	0.92	0.11	38,38,38,38	0
55	MG	CA	3384	1/1	0.92	0.15	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	5177	1/1	0.92	0.16	63,63,63,63	0
55	MG	CA	4146	1/1	0.92	0.11	47,47,47,47	0
55	MG	CS	204	1/1	0.92	0.13	76,76,76,76	0
55	MG	CA	3741	1/1	0.92	0.09	59,59,59,59	0
55	MG	AA	4950	1/1	0.92	0.08	51,51,51,51	0
55	MG	AA	4440	1/1	0.92	0.08	60,60,60,60	0
55	MG	CA	3016	1/1	0.92	0.18	48,48,48,48	0
55	MG	AA	4308	1/1	0.92	0.19	44,44,44,44	0
55	MG	AA	5181	1/1	0.92	0.06	67,67,67,67	0
55	MG	DA	1940	1/1	0.92	0.06	94,94,94,94	0
55	MG	CA	4155	1/1	0.92	0.11	54,54,54,54	0
55	MG	CA	4156	1/1	0.92	0.35	68,68,68,68	0
55	MG	AA	4058	1/1	0.92	0.19	76,76,76,76	0
55	MG	AA	4685	1/1	0.92	0.11	63,63,63,63	0
55	MG	C3	101	1/1	0.92	0.05	57,57,57,57	0
55	MG	AA	5064	1/1	0.92	0.07	46,46,46,46	0
55	MG	AA	5065	1/1	0.92	0.09	44,44,44,44	0
55	MG	AA	4496	1/1	0.92	0.32	95,95,95,95	0
55	MG	CA	4169	1/1	0.92	0.09	46,46,46,46	0
55	MG	CA	3034	1/1	0.92	0.09	43,43,43,43	0
55	MG	BA	1650	1/1	0.92	0.19	80,80,80,80	0
55	MG	AA	4687	1/1	0.92	0.07	58,58,58,58	0
55	MG	DA	1603	1/1	0.92	0.13	60,60,60,60	0
55	MG	CA	3037	1/1	0.92	0.07	66,66,66,66	0
55	MG	AA	5075	1/1	0.92	0.11	49,49,49,49	0
55	MG	BA	1981	1/1	0.92	0.13	74,74,74,74	0
55	MG	AA	5193	1/1	0.92	0.18	66,66,66,66	0
55	MG	DA	1965	1/1	0.92	0.05	39,39,39,39	0
55	MG	DA	1967	1/1	0.92	0.14	36,36,36,36	0
55	MG	DA	1969	1/1	0.92	0.17	46,46,46,46	0
55	MG	BA	2163	1/1	0.92	0.05	38,38,38,38	0
55	MG	BA	1984	1/1	0.92	0.12	69,69,69,69	0
55	MG	CA	3764	1/1	0.92	0.29	75,75,75,75	0
55	MG	AA	5194	1/1	0.92	0.20	70,70,70,70	0
55	MG	BA	1987	1/1	0.92	0.14	47,47,47,47	0
55	MG	AA	4385	1/1	0.92	0.06	54,54,54,54	0
55	MG	AA	5081	1/1	0.92	0.14	92,92,92,92	0
55	MG	CA	4188	1/1	0.92	0.13	45,45,45,45	0
55	MG	AA	4137	1/1	0.92	0.20	85,85,85,85	0
55	MG	DA	1990	1/1	0.92	0.18	68,68,68,68	0
55	MG	AA	4447	1/1	0.92	0.15	63,63,63,63	0
55	MG	AA	4964	1/1	0.92	0.11	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1994	1/1	0.92	0.08	63,63,63,63	0
55	MG	BA	1993	1/1	0.92	0.06	28,28,28,28	0
55	MG	AA	4623	1/1	0.92	0.28	69,69,69,69	0
55	MG	AA	4105	1/1	0.92	0.17	52,52,52,52	0
55	MG	DA	1624	1/1	0.92	0.14	127,127,127,127	0
55	MG	CA	3059	1/1	0.92	0.21	92,92,92,92	0
55	MG	CA	4200	1/1	0.92	0.04	55,55,55,55	0
55	MG	CA	3796	1/1	0.92	0.15	54,54,54,54	0
55	MG	DA	2005	1/1	0.92	0.16	61,61,61,61	0
55	MG	DA	2007	1/1	0.92	0.07	75,75,75,75	0
55	MG	AA	4765	1/1	0.92	0.25	59,59,59,59	0
55	MG	CA	3458	1/1	0.92	0.25	68,68,68,68	0
55	MG	AA	4106	1/1	0.92	0.06	54,54,54,54	0
55	MG	AA	4628	1/1	0.92	0.22	68,68,68,68	0
55	MG	BA	1666	1/1	0.92	0.18	45,45,45,45	0
55	MG	AA	4768	1/1	0.92	0.20	83,83,83,83	0
55	MG	CA	3066	1/1	0.92	0.31	92,92,92,92	0
55	MG	AA	4697	1/1	0.92	0.20	82,82,82,82	0
55	MG	CA	3068	1/1	0.92	0.35	84,84,84,84	0
55	MG	AA	4454	1/1	0.92	0.07	49,49,49,49	0
55	MG	DA	2022	1/1	0.92	0.07	39,39,39,39	0
55	MG	CA	3469	1/1	0.92	0.16	50,50,50,50	0
55	MG	AA	5094	1/1	0.92	0.05	55,55,55,55	0
55	MG	CA	4221	1/1	0.92	0.20	69,69,69,69	0
55	MG	CA	3071	1/1	0.92	0.18	66,66,66,66	0
55	MG	CA	3476	1/1	0.92	0.12	74,74,74,74	0
55	MG	AA	4455	1/1	0.92	0.22	72,72,72,72	0
55	MG	DA	2032	1/1	0.92	0.17	60,60,60,60	0
55	MG	BA	2008	1/1	0.92	0.14	45,45,45,45	0
55	MG	DA	1651	1/1	0.92	0.08	69,69,69,69	0
55	MG	CA	4228	1/1	0.92	0.33	74,74,74,74	0
55	MG	AA	4568	1/1	0.92	0.09	41,41,41,41	0
55	MG	AA	5217	1/1	0.92	0.07	66,66,66,66	0
55	MG	AA	4391	1/1	0.92	0.19	63,63,63,63	0
55	MG	CA	3829	1/1	0.92	0.15	68,68,68,68	0
55	MG	CA	4235	1/1	0.92	0.11	51,51,51,51	0
55	MG	AA	4509	1/1	0.92	0.10	55,55,55,55	0
55	MG	DA	2043	1/1	0.92	0.19	70,70,70,70	0
55	MG	AA	4706	1/1	0.92	0.15	58,58,58,58	0
55	MG	AA	4034	1/1	0.92	0.16	84,84,84,84	0
55	MG	CA	4239	1/1	0.92	0.17	56,56,56,56	0
55	MG	DA	2047	1/1	0.92	0.09	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	4240	1/1	0.92	0.27	44,44,44,44	0
55	MG	CA	3492	1/1	0.92	0.13	124,124,124,124	0
55	MG	AA	5225	1/1	0.92	0.04	56,56,56,56	0
55	MG	DA	1665	1/1	0.92	0.13	61,61,61,61	0
55	MG	AA	4710	1/1	0.92	0.18	67,67,67,67	0
55	MG	AA	4214	1/1	0.92	0.13	33,33,33,33	0
55	MG	CA	3839	1/1	0.92	0.11	27,27,27,27	0
55	MG	DA	2057	1/1	0.92	0.06	49,49,49,49	0
55	MG	CA	3087	1/1	0.92	0.38	78,78,78,78	0
55	MG	AA	4870	1/1	0.92	0.14	63,63,63,63	0
55	MG	AA	4317	1/1	0.92	0.14	47,47,47,47	0
55	MG	AA	4782	1/1	0.92	0.09	73,73,73,73	0
55	MG	DA	1675	1/1	0.92	0.11	49,49,49,49	0
55	MG	AA	4402	1/1	0.92	0.07	48,48,48,48	0
55	MG	BA	2027	1/1	0.92	0.05	63,63,63,63	0
55	MG	CA	3098	1/1	0.92	0.20	98,98,98,98	0
55	MG	AA	4318	1/1	0.92	0.24	56,56,56,56	0
55	MG	AA	4881	1/1	0.92	0.14	45,45,45,45	0
55	MG	BA	1694	1/1	0.92	0.35	44,44,44,44	0
55	MG	CA	4267	1/1	0.92	0.12	56,56,56,56	0
55	MG	AA	4289	1/1	0.92	0.17	52,52,52,52	0
55	MG	CA	3107	1/1	0.92	0.26	20,20,20,20	0
55	MG	DA	1689	1/1	0.92	0.19	118,118,118,118	0
55	MG	AA	5000	1/1	0.92	0.19	50,50,50,50	0
55	MG	AA	4791	1/1	0.92	0.20	57,57,57,57	0
55	MG	DA	1701	1/1	0.92	0.08	43,43,43,43	0
55	MG	CA	3865	1/1	0.92	0.16	55,55,55,55	0
55	MG	CA	4276	1/1	0.92	0.11	61,61,61,61	0
55	MG	CA	3132	1/1	0.92	0.17	16,16,16,16	0
55	MG	CA	3870	1/1	0.92	0.10	51,51,51,51	0
55	MG	BA	1869	1/1	0.92	0.07	66,66,66,66	0
55	MG	CA	3875	1/1	0.92	0.09	56,56,56,56	0
55	MG	CA	3520	1/1	0.92	0.28	57,57,57,57	0
55	MG	CA	3142	1/1	0.92	0.19	22,22,22,22	0
55	MG	CA	3880	1/1	0.92	0.23	46,46,46,46	0
55	MG	BA	1702	1/1	0.92	0.21	52,52,52,52	0
55	MG	AA	5238	1/1	0.92	0.10	59,59,59,59	0
55	MG	BA	1704	1/1	0.92	0.10	41,41,41,41	0
55	MG	BV	130	1/1	0.92	0.07	43,43,43,43	0
55	MG	AA	4792	1/1	0.92	0.04	74,74,74,74	0
55	MG	BA	1706	1/1	0.92	0.09	35,35,35,35	0
55	MG	DA	1727	1/1	0.92	0.10	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	2103	1/1	0.92	0.08	80,80,80,80	0
55	MG	CA	3887	1/1	0.92	0.09	48,48,48,48	0
55	MG	BA	1709	1/1	0.92	0.11	42,42,42,42	0
55	MG	CA	4295	1/1	0.92	0.10	42,42,42,42	0
55	MG	BA	2044	1/1	0.92	0.11	56,56,56,56	0
55	MG	AK	202	1/1	0.92	0.12	72,72,72,72	0
55	MG	BA	1712	1/1	0.92	0.07	41,41,41,41	0
55	MG	AL	201	1/1	0.92	0.22	61,61,61,61	0
55	MG	AA	4793	1/1	0.92	0.07	62,62,62,62	0
55	MG	CA	4303	1/1	0.92	0.09	50,50,50,50	0
55	MG	AA	5004	1/1	0.92	0.13	49,49,49,49	0
55	MG	AM	203	1/1	0.92	0.08	55,55,55,55	0
55	MG	CA	4306	1/1	0.92	0.11	53,53,53,53	0
55	MG	CA	3551	1/1	0.92	0.33	87,87,87,87	0
55	MG	BA	2051	1/1	0.92	0.08	71,71,71,71	0
55	MG	CA	3901	1/1	0.92	0.11	58,58,58,58	0
55	MG	DA	1749	1/1	0.92	0.15	39,39,39,39	0
55	MG	CA	3555	1/1	0.92	0.22	73,73,73,73	0
55	MG	CA	3191	1/1	0.92	0.14	36,36,36,36	0
55	MG	AA	4353	1/1	0.92	0.08	36,36,36,36	0
55	MG	DA	1754	1/1	0.92	0.11	69,69,69,69	0
55	MG	AN	204	1/1	0.92	0.10	48,48,48,48	0
55	MG	AA	4519	1/1	0.92	0.13	50,50,50,50	0
55	MG	DA	1757	1/1	0.92	0.14	73,73,73,73	0
55	MG	DA	2131	1/1	0.92	0.07	56,56,56,56	0
55	MG	DA	2132	1/1	0.92	0.08	60,60,60,60	0
55	MG	CA	4321	1/1	0.92	0.08	63,63,63,63	0
55	MG	DA	1759	1/1	0.92	0.09	71,71,71,71	0
55	MG	CA	4322	1/1	0.92	0.15	66,66,66,66	0
55	MG	DA	1762	1/1	0.92	0.11	79,79,79,79	0
55	MG	AP	201	1/1	0.92	0.07	55,55,55,55	0
55	MG	DA	1764	1/1	0.92	0.21	71,71,71,71	0
55	MG	AA	4322	1/1	0.92	0.07	43,43,43,43	0
55	MG	AA	4355	1/1	0.92	0.37	69,69,69,69	0
55	MG	AA	4650	1/1	0.92	0.37	70,70,70,70	0
55	MG	CA	4330	1/1	0.92	0.10	61,61,61,61	0
55	MG	CA	4331	1/1	0.92	0.08	51,51,51,51	0
55	MG	AA	4357	1/1	0.92	0.18	56,56,56,56	0
55	MG	CA	2905	1/1	0.92	0.23	89,89,89,89	0
55	MG	DA	1774	1/1	0.92	0.11	71,71,71,71	0
55	MG	AS	203	1/1	0.92	0.35	75,75,75,75	0
55	MG	AA	5252	1/1	0.92	0.12	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3573	1/1	0.92	0.49	51,51,51,51	0
55	MG	BA	1735	1/1	0.92	0.09	47,47,47,47	0
55	MG	CA	3224	1/1	0.92	0.18	36,36,36,36	0
55	MG	DA	2158	1/1	0.92	0.09	76,76,76,76	0
55	MG	CA	3928	1/1	0.92	0.07	71,71,71,71	0
55	MG	DA	2162	1/1	0.92	0.16	72,72,72,72	0
55	MG	CA	3929	1/1	0.92	0.07	53,53,53,53	0
55	MG	CA	3226	1/1	0.92	0.07	25,25,25,25	0
55	MG	CA	2910	1/1	0.92	0.25	145,145,145,145	0
55	MG	AA	4358	1/1	0.92	0.19	46,46,46,46	0
55	MG	CA	3240	1/1	0.92	0.10	33,33,33,33	0
55	MG	AA	4805	1/1	0.92	0.10	61,61,61,61	0
55	MG	AA	5016	1/1	0.92	0.34	68,68,68,68	0
55	MG	DA	2173	1/1	0.92	0.06	72,72,72,72	0
55	MG	DA	2175	1/1	0.92	0.08	35,35,35,35	0
55	MG	AA	4806	1/1	0.92	0.13	48,48,48,48	0
55	MG	CA	3937	1/1	0.92	0.09	52,52,52,52	0
55	MG	AA	5259	1/1	0.92	0.06	55,55,55,55	0
55	MG	CA	3249	1/1	0.92	0.26	40,40,40,40	0
55	MG	CA	3252	1/1	0.92	0.09	61,61,61,61	0
55	MG	AA	4909	1/1	0.92	0.06	57,57,57,57	0
55	MG	AA	4726	1/1	0.92	0.21	59,59,59,59	0
55	MG	A3	103	1/1	0.92	0.09	77,77,77,77	0
55	MG	CA	3600	1/1	0.92	0.11	54,54,54,54	0
55	MG	DA	2190	1/1	0.92	0.09	59,59,59,59	0
55	MG	CA	3603	1/1	0.92	0.11	57,57,57,57	0
55	MG	BA	1747	1/1	0.92	0.09	56,56,56,56	0
55	MG	AA	5021	1/1	0.92	0.16	61,61,61,61	0
55	MG	CA	3611	1/1	0.92	0.17	49,49,49,49	0
55	MG	CA	3958	1/1	0.92	0.10	51,51,51,51	0
55	MG	A4	105	1/1	0.92	0.27	94,94,94,94	0
55	MG	AA	4359	1/1	0.92	0.17	50,50,50,50	0
55	MG	CA	4371	1/1	0.92	0.37	76,76,76,76	0
55	MG	AA	4913	1/1	0.92	0.07	36,36,36,36	0
55	MG	BA	1916	1/1	0.92	0.17	65,65,65,65	0
55	MG	DA	2203	1/1	0.92	0.14	53,53,53,53	0
55	MG	CA	3967	1/1	0.92	0.07	39,39,39,39	0
55	MG	CA	3970	1/1	0.92	0.07	29,29,29,29	0
55	MG	AA	5266	1/1	0.92	0.24	64,64,64,64	0
55	MG	BA	2085	1/1	0.92	0.08	55,55,55,55	0
55	MG	DE	202	1/1	0.92	0.14	73,73,73,73	0
55	MG	CA	3621	1/1	0.92	0.15	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1754	1/1	0.92	0.19	68,68,68,68	0
55	MG	CA	3989	1/1	0.92	0.11	14,14,14,14	0
55	MG	BA	1755	1/1	0.92	0.18	40,40,40,40	0
55	MG	CA	4388	1/1	0.92	0.17	59,59,59,59	0
55	MG	AA	4472	1/1	0.92	0.11	57,57,57,57	0
55	MG	AA	5026	1/1	0.92	0.14	40,40,40,40	0
55	MG	AA	4811	1/1	0.92	0.07	60,60,60,60	0
55	MG	AA	4531	1/1	0.92	0.05	57,57,57,57	0
55	MG	BA	2092	1/1	0.92	0.06	52,52,52,52	0
55	MG	DO	102	1/1	0.92	0.15	113,113,113,113	0
55	MG	AA	4532	1/1	0.92	0.19	46,46,46,46	0
55	MG	AA	4360	1/1	0.92	0.14	48,48,48,48	0
55	MG	CA	4009	1/1	0.92	0.07	34,34,34,34	0
55	MG	CA	4010	1/1	0.92	0.10	42,42,42,42	0
55	MG	CA	3305	1/1	0.92	0.27	50,50,50,50	0
55	MG	CA	4013	1/1	0.92	0.13	46,46,46,46	0
55	MG	AA	4247	1/1	0.92	0.06	33,33,33,33	0
55	MG	CA	4404	1/1	0.92	0.10	66,66,66,66	0
55	MG	AA	5035	1/1	0.92	0.12	65,65,65,65	0
55	MG	CA	4021	1/1	0.92	0.14	56,56,56,56	0
55	MG	DV	109	1/1	0.92	0.08	65,65,65,65	0
55	MG	AA	5278	1/1	0.92	0.12	56,56,56,56	0
55	MG	AA	4816	1/1	0.92	0.09	82,82,82,82	0
55	MG	CA	4026	1/1	0.92	0.18	66,66,66,66	0
55	MG	BA	1772	1/1	0.92	0.10	43,43,43,43	0
55	MG	AA	4072	1/1	0.92	0.10	57,57,57,57	0
55	MG	CB	208	1/1	0.92	0.06	59,59,59,59	0
55	MG	CA	2958	1/1	0.92	0.20	71,71,71,71	0
55	MG	BA	2104	1/1	0.92	0.09	62,62,62,62	0
55	MG	CA	3323	1/1	0.92	0.22	43,43,43,43	0
55	MG	AA	4663	1/1	0.92	0.08	49,49,49,49	0
55	MG	AA	5282	1/1	0.92	0.11	87,87,87,87	0
55	MG	AA	5285	1/1	0.92	0.07	55,55,55,55	0
55	MG	CA	3329	1/1	0.92	0.05	21,21,21,21	0
55	MG	BA	1937	1/1	0.92	0.09	48,48,48,48	0
55	MG	AA	4101	1/1	0.92	0.08	49,49,49,49	0
55	MG	CB	226	1/1	0.92	0.09	40,40,40,40	0
55	MG	CA	3664	1/1	0.92	0.08	48,48,48,48	0
55	MG	BA	1779	1/1	0.92	0.07	54,54,54,54	0
55	MG	CA	4053	1/1	0.92	0.15	45,45,45,45	0
55	MG	AA	4261	1/1	0.92	0.11	34,34,34,34	0
55	MG	CA	4058	1/1	0.92	0.16	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DW	113	1/1	0.92	0.14	68,68,68,68	0
55	MG	AA	5156	1/1	0.92	0.06	52,52,52,52	0
55	MG	DA	1869	1/1	0.92	0.05	59,59,59,59	0
55	MG	CA	3337	1/1	0.92	0.16	58,58,58,58	0
55	MG	BA	2118	1/1	0.92	0.10	64,64,64,64	0
55	MG	CA	4064	1/1	0.92	0.12	49,49,49,49	0
55	MG	CA	3679	1/1	0.92	0.28	90,90,90,90	0
55	MG	CA	3340	1/1	0.92	0.16	33,33,33,33	0
55	MG	AA	4933	1/1	0.92	0.20	62,62,62,62	0
55	MG	CA	3343	1/1	0.92	0.15	54,54,54,54	0
55	MG	AA	4428	1/1	0.92	0.07	36,36,36,36	0
55	MG	BA	1775	1/1	0.93	0.20	64,64,64,64	0
55	MG	DA	1886	1/1	0.93	0.33	83,83,83,83	0
55	MG	AA	5043	1/1	0.93	0.05	79,79,79,79	0
55	MG	CA	4092	1/1	0.93	0.12	53,53,53,53	0
55	MG	CA	3392	1/1	0.93	0.05	25,25,25,25	0
55	MG	CA	4095	1/1	0.93	0.13	51,51,51,51	0
55	MG	AA	4107	1/1	0.93	0.10	61,61,61,61	0
55	MG	DA	1892	1/1	0.93	0.07	77,77,77,77	0
55	MG	CA	4098	1/1	0.93	0.14	76,76,76,76	0
55	MG	DA	1894	1/1	0.93	0.06	67,67,67,67	0
55	MG	CA	3395	1/1	0.93	0.18	39,39,39,39	0
55	MG	AA	5139	1/1	0.93	0.17	66,66,66,66	0
55	MG	AA	4711	1/1	0.93	0.08	75,75,75,75	0
55	MG	CB	257	1/1	0.93	0.19	81,81,81,81	0
55	MG	AB	247	1/1	0.93	0.11	49,49,49,49	0
55	MG	CA	3726	1/1	0.93	0.18	160,160,160,160	0
55	MG	BA	2054	1/1	0.93	0.13	72,72,72,72	0
55	MG	AA	5047	1/1	0.93	0.12	60,60,60,60	0
55	MG	CB	265	1/1	0.93	0.05	55,55,55,55	0
55	MG	CA	4108	1/1	0.93	0.20	57,57,57,57	0
55	MG	AA	4280	1/1	0.93	0.28	51,51,51,51	0
55	MG	DA	1907	1/1	0.93	0.10	71,71,71,71	0
55	MG	CA	3415	1/1	0.93	0.15	44,44,44,44	0
55	MG	CE	303	1/1	0.93	0.11	31,31,31,31	0
55	MG	DA	1911	1/1	0.93	0.09	58,58,58,58	0
55	MG	CA	4115	1/1	0.93	0.05	46,46,46,46	0
55	MG	BV	119	1/1	0.93	0.22	142,142,142,142	0
55	MG	AA	4579	1/1	0.93	0.18	45,45,45,45	0
55	MG	CA	4120	1/1	0.93	0.09	42,42,42,42	0
55	MG	CF	304	1/1	0.93	0.31	55,55,55,55	0
55	MG	CA	3735	1/1	0.93	0.05	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AD	302	1/1	0.93	0.18	79,79,79,79	0
55	MG	AA	4177	1/1	0.93	0.19	9,9,9,9	0
55	MG	CJ	201	1/1	0.93	0.19	71,71,71,71	0
55	MG	AA	4783	1/1	0.93	0.07	70,70,70,70	0
55	MG	AA	5251	1/1	0.93	0.09	55,55,55,55	0
55	MG	BA	2062	1/1	0.93	0.10	79,79,79,79	0
55	MG	CA	3432	1/1	0.93	0.10	32,32,32,32	0
55	MG	AA	4365	1/1	0.93	0.05	39,39,39,39	0
55	MG	CA	3080	1/1	0.93	0.08	65,65,65,65	0
55	MG	CN	202	1/1	0.93	0.28	57,57,57,57	0
55	MG	CA	3435	1/1	0.93	0.21	45,45,45,45	0
55	MG	DA	1930	1/1	0.93	0.10	95,95,95,95	0
55	MG	AA	4059	1/1	0.93	0.15	73,73,73,73	0
55	MG	CA	3437	1/1	0.93	0.14	62,62,62,62	0
55	MG	CA	3751	1/1	0.93	0.30	50,50,50,50	0
55	MG	CA	4144	1/1	0.93	0.08	55,55,55,55	0
55	MG	BA	1794	1/1	0.93	0.09	53,53,53,53	0
55	MG	AA	4427	1/1	0.93	0.08	68,68,68,68	0
55	MG	AA	4648	1/1	0.93	0.06	70,70,70,70	0
55	MG	CA	3442	1/1	0.93	0.14	45,45,45,45	0
55	MG	CA	3085	1/1	0.93	0.15	81,81,81,81	0
55	MG	CA	3444	1/1	0.93	0.11	48,48,48,48	0
55	MG	AF	305	1/1	0.93	0.12	45,45,45,45	0
55	MG	AA	5257	1/1	0.93	0.07	69,69,69,69	0
55	MG	AA	4649	1/1	0.93	0.19	58,58,58,58	0
55	MG	CW	102	1/1	0.93	0.07	32,32,32,32	0
55	MG	CW	103	1/1	0.93	0.14	47,47,47,47	0
55	MG	BA	2071	1/1	0.93	0.06	71,71,71,71	0
55	MG	BA	2072	1/1	0.93	0.09	64,64,64,64	0
55	MG	CA	4158	1/1	0.93	0.29	83,83,83,83	0
55	MG	CA	3763	1/1	0.93	0.22	62,62,62,62	0
55	MG	CA	3096	1/1	0.93	0.15	57,57,57,57	0
55	MG	CA	3453	1/1	0.93	0.12	49,49,49,49	0
55	MG	DA	1954	1/1	0.93	0.11	53,53,53,53	0
55	MG	AA	4476	1/1	0.93	0.30	61,61,61,61	0
55	MG	AA	5260	1/1	0.93	0.06	58,58,58,58	0
55	MG	DA	1957	1/1	0.93	0.13	43,43,43,43	0
55	MG	C4	103	1/1	0.93	0.18	74,74,74,74	0
55	MG	CA	4170	1/1	0.93	0.08	53,53,53,53	0
55	MG	CA	3456	1/1	0.93	0.13	51,51,51,51	0
55	MG	CA	3099	1/1	0.93	0.11	41,41,41,41	0
55	MG	AA	5153	1/1	0.93	0.11	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4871	1/1	0.93	0.07	34,34,34,34	0
55	MG	AL	202	1/1	0.93	0.24	42,42,42,42	0
55	MG	CA	3780	1/1	0.93	0.25	78,78,78,78	0
55	MG	AA	4238	1/1	0.93	0.15	42,42,42,42	0
55	MG	CA	3784	1/1	0.93	0.06	82,82,82,82	0
55	MG	AA	4288	1/1	0.93	0.15	35,35,35,35	0
55	MG	DA	1980	1/1	0.93	0.16	49,49,49,49	0
55	MG	CA	3110	1/1	0.93	0.23	15,15,15,15	0
55	MG	DA	1982	1/1	0.93	0.29	61,61,61,61	0
55	MG	AA	5158	1/1	0.93	0.09	50,50,50,50	0
55	MG	CA	3116	1/1	0.93	0.10	14,14,14,14	0
55	MG	CA	2901	1/1	0.93	0.31	20,20,20,20	0
55	MG	CA	3120	1/1	0.93	0.12	11,11,11,11	0
55	MG	CA	3126	1/1	0.93	0.17	14,14,14,14	0
55	MG	AA	4027	1/1	0.93	0.08	48,48,48,48	0
55	MG	BA	1810	1/1	0.93	0.16	75,75,75,75	0
55	MG	DA	1996	1/1	0.93	0.09	51,51,51,51	0
55	MG	DA	1997	1/1	0.93	0.06	50,50,50,50	0
55	MG	CA	3135	1/1	0.93	0.09	17,17,17,17	0
55	MG	AA	4798	1/1	0.93	0.15	76,76,76,76	0
55	MG	CA	4194	1/1	0.93	0.10	78,78,78,78	0
55	MG	CA	3143	1/1	0.93	0.20	24,24,24,24	0
55	MG	BA	1812	1/1	0.93	0.28	78,78,78,78	0
55	MG	AA	4800	1/1	0.93	0.40	121,121,121,121	0
55	MG	AA	5068	1/1	0.93	0.11	51,51,51,51	0
55	MG	CA	4201	1/1	0.93	0.05	35,35,35,35	0
55	MG	CA	3488	1/1	0.93	0.17	55,55,55,55	0
55	MG	DA	1627	1/1	0.93	0.14	89,89,89,89	0
55	MG	AA	5069	1/1	0.93	0.21	80,80,80,80	0
55	MG	BA	1817	1/1	0.93	0.06	77,77,77,77	0
55	MG	AR	201	1/1	0.93	0.19	61,61,61,61	0
55	MG	AA	5167	1/1	0.93	0.09	58,58,58,58	0
55	MG	CA	3822	1/1	0.93	0.30	57,57,57,57	0
55	MG	CA	3824	1/1	0.93	0.15	78,78,78,78	0
55	MG	CA	4214	1/1	0.93	0.13	63,63,63,63	0
55	MG	DA	2018	1/1	0.93	0.07	45,45,45,45	0
55	MG	CA	3163	1/1	0.93	0.19	16,16,16,16	0
55	MG	AA	4432	1/1	0.93	0.12	56,56,56,56	0
55	MG	AA	5071	1/1	0.93	0.15	49,49,49,49	0
55	MG	AA	4884	1/1	0.93	0.07	47,47,47,47	0
55	MG	CA	3171	1/1	0.93	0.09	30,30,30,30	0
55	MG	CA	3832	1/1	0.93	0.36	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3172	1/1	0.93	0.18	30,30,30,30	0
55	MG	BA	1690	1/1	0.93	0.18	38,38,38,38	0
55	MG	CA	3504	1/1	0.93	0.06	43,43,43,43	0
55	MG	AA	4981	1/1	0.93	0.05	34,34,34,34	0
55	MG	CA	4226	1/1	0.93	0.06	50,50,50,50	0
55	MG	CA	2923	1/1	0.93	0.10	65,65,65,65	0
55	MG	CA	3838	1/1	0.93	0.21	131,131,131,131	0
55	MG	CA	3185	1/1	0.93	0.14	16,16,16,16	0
55	MG	AA	4534	1/1	0.93	0.13	63,63,63,63	0
55	MG	BA	1959	1/1	0.93	0.10	49,49,49,49	0
55	MG	CA	3845	1/1	0.93	0.30	81,81,81,81	0
55	MG	CA	2928	1/1	0.93	0.14	55,55,55,55	0
55	MG	AA	4728	1/1	0.93	0.13	60,60,60,60	0
55	MG	BA	1961	1/1	0.93	0.16	51,51,51,51	0
55	MG	CA	2933	1/1	0.93	0.11	50,50,50,50	0
55	MG	CA	3517	1/1	0.93	0.23	71,71,71,71	0
55	MG	AA	4887	1/1	0.93	0.06	40,40,40,40	0
55	MG	AA	4142	1/1	0.93	0.20	65,65,65,65	0
55	MG	CA	4242	1/1	0.93	0.13	47,47,47,47	0
55	MG	AX	105	1/1	0.93	0.08	58,58,58,58	0
55	MG	CA	3858	1/1	0.93	0.12	53,53,53,53	0
55	MG	CA	4247	1/1	0.93	0.07	46,46,46,46	0
55	MG	AA	4197	1/1	0.93	0.22	33,33,33,33	0
55	MG	CA	3208	1/1	0.93	0.11	46,46,46,46	0
55	MG	CA	3862	1/1	0.93	0.08	44,44,44,44	0
55	MG	AA	4029	1/1	0.93	0.23	77,77,77,77	0
55	MG	CA	4253	1/1	0.93	0.07	53,53,53,53	0
55	MG	DA	1674	1/1	0.93	0.06	85,85,85,85	0
55	MG	CA	4254	1/1	0.93	0.11	61,61,61,61	0
55	MG	CA	3210	1/1	0.93	0.14	35,35,35,35	0
55	MG	CA	3214	1/1	0.93	0.17	32,32,32,32	0
55	MG	DA	1679	1/1	0.93	0.14	41,41,41,41	0
55	MG	AA	4113	1/1	0.93	0.14	84,84,84,84	0
55	MG	CA	3869	1/1	0.93	0.09	43,43,43,43	0
55	MG	CA	3534	1/1	0.93	0.15	47,47,47,47	0
55	MG	CA	4262	1/1	0.93	0.19	55,55,55,55	0
55	MG	AA	4600	1/1	0.93	0.13	64,64,64,64	0
55	MG	CA	3874	1/1	0.93	0.14	60,60,60,60	0
55	MG	BA	1708	1/1	0.93	0.06	36,36,36,36	0
55	MG	DA	1688	1/1	0.93	0.13	58,58,58,58	0
55	MG	BA	2117	1/1	0.93	0.06	56,56,56,56	0
55	MG	CA	3223	1/1	0.93	0.31	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4997	1/1	0.93	0.14	68,68,68,68	0
55	MG	DA	2078	1/1	0.93	0.09	63,63,63,63	0
55	MG	DA	2080	1/1	0.93	0.13	71,71,71,71	0
55	MG	DA	2081	1/1	0.93	0.28	68,68,68,68	0
55	MG	DA	1697	1/1	0.93	0.22	57,57,57,57	0
55	MG	BA	1710	1/1	0.93	0.15	43,43,43,43	0
55	MG	CA	3228	1/1	0.93	0.16	34,34,34,34	0
55	MG	BA	2120	1/1	0.93	0.10	65,65,65,65	0
55	MG	DA	2086	1/1	0.93	0.05	57,57,57,57	0
55	MG	CA	4275	1/1	0.93	0.06	74,74,74,74	0
55	MG	CA	3547	1/1	0.93	0.06	32,32,32,32	0
55	MG	CA	2947	1/1	0.93	0.11	38,38,38,38	0
55	MG	CA	2948	1/1	0.93	0.09	85,85,85,85	0
55	MG	CA	3242	1/1	0.93	0.17	33,33,33,33	0
55	MG	CA	3554	1/1	0.93	0.15	62,62,62,62	0
55	MG	AA	4734	1/1	0.93	0.16	21,21,21,21	0
55	MG	CA	3890	1/1	0.93	0.14	56,56,56,56	0
55	MG	CA	3244	1/1	0.93	0.38	47,47,47,47	0
55	MG	AA	4254	1/1	0.93	0.25	33,33,33,33	0
55	MG	AA	4204	1/1	0.93	0.21	17,17,17,17	0
55	MG	CA	2952	1/1	0.93	0.28	130,130,130,130	0
55	MG	CA	3561	1/1	0.93	0.18	68,68,68,68	0
55	MG	BA	2124	1/1	0.93	0.07	64,64,64,64	0
55	MG	CA	3251	1/1	0.93	0.09	27,27,27,27	0
55	MG	AA	4442	1/1	0.93	0.24	55,55,55,55	0
55	MG	CA	3257	1/1	0.93	0.18	32,32,32,32	0
55	MG	CA	3568	1/1	0.93	0.16	75,75,75,75	0
55	MG	AA	5093	1/1	0.93	0.07	48,48,48,48	0
55	MG	AA	4100	1/1	0.93	0.09	58,58,58,58	0
55	MG	DA	2110	1/1	0.93	0.08	84,84,84,84	0
55	MG	AA	4494	1/1	0.93	0.10	50,50,50,50	0
55	MG	DA	2112	1/1	0.93	0.07	55,55,55,55	0
55	MG	AA	4298	1/1	0.93	0.34	47,47,47,47	0
55	MG	DA	1739	1/1	0.93	0.06	35,35,35,35	0
55	MG	AA	4610	1/1	0.93	0.07	74,74,74,74	0
55	MG	CA	3909	1/1	0.93	0.23	62,62,62,62	0
55	MG	BA	1850	1/1	0.93	0.05	48,48,48,48	0
55	MG	BA	1721	1/1	0.93	0.11	46,46,46,46	0
55	MG	AA	4678	1/1	0.93	0.19	62,62,62,62	0
55	MG	AA	4043	1/1	0.93	0.07	52,52,52,52	0
55	MG	AA	4548	1/1	0.93	0.13	78,78,78,78	0
55	MG	CA	4313	1/1	0.93	0.09	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	2136	1/1	0.93	0.13	62,62,62,62	0
55	MG	CA	2975	1/1	0.93	0.20	59,59,59,59	0
55	MG	CA	3280	1/1	0.93	0.19	42,42,42,42	0
55	MG	BA	1611	1/1	0.93	0.12	67,67,67,67	0
55	MG	CA	3923	1/1	0.93	0.17	63,63,63,63	0
55	MG	AA	5200	1/1	0.93	0.31	64,64,64,64	0
55	MG	BA	1859	1/1	0.93	0.17	53,53,53,53	0
55	MG	CA	3594	1/1	0.93	0.07	55,55,55,55	0
55	MG	CA	3286	1/1	0.93	0.06	27,27,27,27	0
55	MG	CA	3287	1/1	0.93	0.14	36,36,36,36	0
55	MG	AA	4918	1/1	0.93	0.13	54,54,54,54	0
55	MG	CA	3290	1/1	0.93	0.08	28,28,28,28	0
55	MG	CA	3599	1/1	0.93	0.20	46,46,46,46	0
55	MG	AA	5012	1/1	0.93	0.12	59,59,59,59	0
55	MG	CA	3293	1/1	0.93	0.22	45,45,45,45	0
55	MG	BA	1732	1/1	0.93	0.07	42,42,42,42	0
55	MG	CA	3607	1/1	0.93	0.12	47,47,47,47	0
55	MG	DA	1769	1/1	0.93	0.10	57,57,57,57	0
55	MG	CA	3942	1/1	0.93	0.11	60,60,60,60	0
55	MG	CA	2986	1/1	0.93	0.06	51,51,51,51	0
55	MG	CA	4338	1/1	0.93	0.16	96,96,96,96	0
55	MG	AA	4073	1/1	0.93	0.13	43,43,43,43	0
55	MG	BA	1997	1/1	0.93	0.11	58,58,58,58	0
55	MG	AA	4394	1/1	0.93	0.07	47,47,47,47	0
55	MG	CA	3307	1/1	0.93	0.25	46,46,46,46	0
55	MG	BA	2146	1/1	0.93	0.07	53,53,53,53	0
55	MG	AA	4552	1/1	0.93	0.18	71,71,71,71	0
55	MG	DA	2156	1/1	0.93	0.39	97,97,97,97	0
55	MG	CA	3311	1/1	0.93	0.11	20,20,20,20	0
55	MG	CA	3953	1/1	0.93	0.22	36,36,36,36	0
55	MG	AA	4396	1/1	0.93	0.21	66,66,66,66	0
55	MG	BA	1741	1/1	0.93	0.10	56,56,56,56	0
55	MG	CA	3957	1/1	0.93	0.10	55,55,55,55	0
55	MG	CA	3317	1/1	0.93	0.04	60,60,60,60	0
55	MG	CA	3319	1/1	0.93	0.05	25,25,25,25	0
55	MG	CA	2997	1/1	0.93	0.07	69,69,69,69	0
55	MG	BA	1868	1/1	0.93	0.09	55,55,55,55	0
55	MG	DA	1792	1/1	0.93	0.10	66,66,66,66	0
55	MG	CA	3630	1/1	0.93	0.09	47,47,47,47	0
55	MG	AA	5107	1/1	0.93	0.07	38,38,38,38	0
55	MG	CA	3968	1/1	0.93	0.16	33,33,33,33	0
55	MG	CA	3634	1/1	0.93	0.22	118,118,118,118	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1797	1/1	0.93	0.12	82,82,82,82	0
55	MG	CA	3971	1/1	0.93	0.14	36,36,36,36	0
55	MG	AA	5017	1/1	0.93	0.10	72,72,72,72	0
55	MG	DA	2181	1/1	0.93	0.08	68,68,68,68	0
55	MG	BA	2153	1/1	0.93	0.10	38,38,38,38	0
55	MG	CA	3984	1/1	0.93	0.19	65,65,65,65	0
55	MG	AA	4307	1/1	0.93	0.17	34,34,34,34	0
55	MG	AA	4264	1/1	0.93	0.20	32,32,32,32	0
55	MG	DA	2189	1/1	0.93	0.07	58,58,58,58	0
55	MG	CA	4367	1/1	0.93	0.09	46,46,46,46	0
55	MG	AA	5112	1/1	0.93	0.10	47,47,47,47	0
55	MG	AA	4118	1/1	0.93	0.14	81,81,81,81	0
55	MG	CA	3644	1/1	0.93	0.19	83,83,83,83	0
55	MG	CA	3645	1/1	0.93	0.08	58,58,58,58	0
55	MG	BA	1876	1/1	0.93	0.07	91,91,91,91	0
55	MG	DA	2197	1/1	0.93	0.11	50,50,50,50	0
55	MG	BA	1877	1/1	0.93	0.09	84,84,84,84	0
55	MG	CA	3649	1/1	0.93	0.15	54,54,54,54	0
55	MG	CA	4379	1/1	0.93	0.15	59,59,59,59	0
55	MG	CA	4002	1/1	0.93	0.19	34,34,34,34	0
55	MG	CA	4003	1/1	0.93	0.13	56,56,56,56	0
55	MG	AA	4621	1/1	0.93	0.11	68,68,68,68	0
55	MG	DA	1819	1/1	0.93	0.08	101,101,101,101	0
55	MG	AA	4267	1/1	0.93	0.20	50,50,50,50	0
55	MG	AA	4004	1/1	0.93	0.30	52,52,52,52	0
55	MG	BA	2167	1/1	0.93	0.08	52,52,52,52	0
55	MG	CA	4011	1/1	0.93	0.10	30,30,30,30	0
55	MG	CA	4390	1/1	0.93	0.06	54,54,54,54	0
55	MG	BA	2017	1/1	0.93	0.05	48,48,48,48	0
55	MG	AA	4083	1/1	0.93	0.08	78,78,78,78	0
55	MG	CA	3019	1/1	0.93	0.31	130,130,130,130	0
55	MG	CA	4017	1/1	0.93	0.09	48,48,48,48	0
55	MG	AA	4564	1/1	0.93	0.06	66,66,66,66	0
55	MG	CA	3658	1/1	0.93	0.06	51,51,51,51	0
55	MG	AA	4095	1/1	0.93	0.10	57,57,57,57	0
55	MG	AA	4566	1/1	0.93	0.12	72,72,72,72	0
55	MG	AA	5122	1/1	0.93	0.06	52,52,52,52	0
55	MG	AA	4274	1/1	0.93	0.15	50,50,50,50	0
55	MG	CA	3665	1/1	0.93	0.07	50,50,50,50	0
55	MG	CA	3669	1/1	0.93	0.33	44,44,44,44	0
55	MG	AA	4512	1/1	0.93	0.11	55,55,55,55	0
55	MG	CA	3031	1/1	0.93	0.17	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3033	1/1	0.93	0.20	61,61,61,61	0
55	MG	CA	3675	1/1	0.93	0.06	72,72,72,72	0
55	MG	DA	1844	1/1	0.93	0.09	164,164,164,164	0
55	MG	BA	1759	1/1	0.93	0.07	46,46,46,46	0
54	BLS	AA	4001	30/30	0.93	0.13	56,56,56,56	0
55	MG	AA	4170	1/1	0.93	0.24	22,22,22,22	0
55	MG	AA	4947	1/1	0.93	0.14	61,61,61,61	0
55	MG	BA	2031	1/1	0.93	0.09	55,55,55,55	0
55	MG	DV	113	1/1	0.93	0.05	72,72,72,72	0
55	MG	BG	202	1/1	0.93	0.12	61,61,61,61	0
55	MG	BA	1894	1/1	0.93	0.05	86,86,86,86	0
55	MG	BA	1763	1/1	0.93	0.14	54,54,54,54	0
55	MG	CA	4056	1/1	0.93	0.07	61,61,61,61	0
55	MG	AA	4515	1/1	0.93	0.06	62,62,62,62	0
55	MG	BA	1897	1/1	0.93	0.04	53,53,53,53	0
55	MG	CB	219	1/1	0.93	0.10	52,52,52,52	0
55	MG	CB	221	1/1	0.93	0.13	53,53,53,53	0
55	MG	DA	1859	1/1	0.93	0.07	91,91,91,91	0
55	MG	CA	3044	1/1	0.93	0.14	43,43,43,43	0
55	MG	DW	101	1/1	0.93	0.05	70,70,70,70	0
55	MG	CA	4062	1/1	0.93	0.08	50,50,50,50	0
55	MG	AA	4417	1/1	0.93	0.09	55,55,55,55	0
55	MG	CA	3697	1/1	0.93	0.20	71,71,71,71	0
55	MG	BA	2037	1/1	0.93	0.06	55,55,55,55	0
55	MG	BA	1767	1/1	0.93	0.19	39,39,39,39	0
55	MG	CA	3375	1/1	0.93	0.09	59,59,59,59	0
55	MG	BA	2039	1/1	0.93	0.06	62,62,62,62	0
55	MG	CB	232	1/1	0.93	0.07	54,54,54,54	0
55	MG	AA	4707	1/1	0.93	0.17	73,73,73,73	0
55	MG	CB	234	1/1	0.93	0.11	74,74,74,74	0
55	MG	BA	1901	1/1	0.93	0.39	48,48,48,48	0
55	MG	DA	1874	1/1	0.93	0.11	92,92,92,92	0
55	MG	BA	1769	1/1	0.93	0.11	50,50,50,50	0
55	MG	CA	4077	1/1	0.93	0.12	47,47,47,47	0
55	MG	AA	4278	1/1	0.93	0.18	44,44,44,44	0
55	MG	AA	4709	1/1	0.93	0.10	67,67,67,67	0
55	MG	CA	4081	1/1	0.93	0.20	49,49,49,49	0
55	MG	AA	5237	1/1	0.93	0.13	37,37,37,37	0
55	MG	AA	5136	1/1	0.93	0.13	62,62,62,62	0
55	MG	CA	3385	1/1	0.93	0.39	69,69,69,69	0
55	MG	CA	4087	1/1	0.93	0.05	49,49,49,49	0
55	MG	CA	3871	1/1	0.94	0.09	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3872	1/1	0.94	0.08	55,55,55,55	0
55	MG	CA	4203	1/1	0.94	0.08	32,32,32,32	0
55	MG	AA	5170	1/1	0.94	0.18	71,71,71,71	0
55	MG	C4	101	1/1	0.94	0.35	63,63,63,63	0
55	MG	AA	4753	1/1	0.94	0.08	51,51,51,51	0
55	MG	DA	1923	1/1	0.94	0.07	69,69,69,69	0
55	MG	CA	4208	1/1	0.94	0.21	68,68,68,68	0
55	MG	CA	3325	1/1	0.94	0.22	54,54,54,54	0
55	MG	CA	3587	1/1	0.94	0.13	44,44,44,44	0
55	MG	AA	4830	1/1	0.94	0.12	65,65,65,65	0
55	MG	CA	3878	1/1	0.94	0.10	67,67,67,67	0
55	MG	CA	3327	1/1	0.94	0.10	36,36,36,36	0
55	MG	AA	4260	1/1	0.94	0.18	35,35,35,35	0
55	MG	BA	1623	1/1	0.94	0.06	47,47,47,47	0
55	MG	AA	4414	1/1	0.94	0.13	35,35,35,35	0
55	MG	AA	4946	1/1	0.94	0.17	49,49,49,49	0
55	MG	CA	3049	1/1	0.94	0.36	62,62,62,62	0
55	MG	AA	4299	1/1	0.94	0.22	45,45,45,45	0
55	MG	BV	109	1/1	0.94	0.12	88,88,88,88	0
55	MG	AA	4111	1/1	0.94	0.14	81,81,81,81	0
55	MG	CA	3338	1/1	0.94	0.07	43,43,43,43	0
55	MG	DA	1613	1/1	0.94	0.11	60,60,60,60	0
55	MG	CA	3601	1/1	0.94	0.28	58,58,58,58	0
55	MG	BA	1910	1/1	0.94	0.04	51,51,51,51	0
55	MG	BA	2053	1/1	0.94	0.06	64,64,64,64	0
55	MG	CA	3605	1/1	0.94	0.13	66,66,66,66	0
55	MG	CA	3606	1/1	0.94	0.15	55,55,55,55	0
55	MG	CA	3895	1/1	0.94	0.11	58,58,58,58	0
55	MG	AA	4759	1/1	0.94	0.10	55,55,55,55	0
55	MG	AA	4304	1/1	0.94	0.17	38,38,38,38	0
55	MG	CA	3898	1/1	0.94	0.16	65,65,65,65	0
55	MG	CA	3609	1/1	0.94	0.26	77,77,77,77	0
55	MG	CA	3610	1/1	0.94	0.25	67,67,67,67	0
55	MG	AA	4608	1/1	0.94	0.05	81,81,81,81	0
55	MG	AA	4216	1/1	0.94	0.04	18,18,18,18	0
55	MG	AA	5182	1/1	0.94	0.18	52,52,52,52	0
55	MG	CA	3615	1/1	0.94	0.05	50,50,50,50	0
55	MG	CA	3905	1/1	0.94	0.10	64,64,64,64	0
55	MG	AA	4954	1/1	0.94	0.12	42,42,42,42	0
55	MG	DA	1631	1/1	0.94	0.22	71,71,71,71	0
55	MG	AA	4840	1/1	0.94	0.07	52,52,52,52	0
55	MG	BV	120	1/1	0.94	0.06	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	5186	1/1	0.94	0.13	69,69,69,69	0
55	MG	AA	4263	1/1	0.94	0.14	38,38,38,38	0
55	MG	CA	4250	1/1	0.94	0.26	48,48,48,48	0
55	MG	AA	4480	1/1	0.94	0.18	48,48,48,48	0
55	MG	DA	1640	1/1	0.94	0.07	91,91,91,91	0
55	MG	DA	1974	1/1	0.94	0.16	62,62,62,62	0
55	MG	DA	1641	1/1	0.94	0.22	86,86,86,86	0
55	MG	DA	1976	1/1	0.94	0.05	47,47,47,47	0
55	MG	AA	5074	1/1	0.94	0.10	58,58,58,58	0
55	MG	DA	1978	1/1	0.94	0.07	51,51,51,51	0
55	MG	DA	1979	1/1	0.94	0.22	48,48,48,48	0
55	MG	AA	4026	1/1	0.94	0.24	55,55,55,55	0
55	MG	AA	5077	1/1	0.94	0.14	57,57,57,57	0
55	MG	AA	4960	1/1	0.94	0.05	55,55,55,55	0
55	MG	DA	1983	1/1	0.94	0.05	43,43,43,43	0
55	MG	AA	4542	1/1	0.94	0.14	63,63,63,63	0
55	MG	CA	4257	1/1	0.94	0.12	74,74,74,74	0
55	MG	CA	3918	1/1	0.94	0.08	58,58,58,58	0
55	MG	AA	4218	1/1	0.94	0.08	34,34,34,34	0
55	MG	DA	1991	1/1	0.94	0.22	56,56,56,56	0
55	MG	AA	4173	1/1	0.94	0.23	34,34,34,34	0
55	MG	AA	4268	1/1	0.94	0.11	25,25,25,25	0
55	MG	CA	3636	1/1	0.94	0.11	53,53,53,53	0
55	MG	BA	1790	1/1	0.94	0.08	109,109,109,109	0
55	MG	AA	4044	1/1	0.94	0.10	66,66,66,66	0
55	MG	CA	3078	1/1	0.94	0.19	72,72,72,72	0
55	MG	AA	4181	1/1	0.94	0.14	25,25,25,25	0
55	MG	CA	3372	1/1	0.94	0.17	38,38,38,38	0
55	MG	AB	226	1/1	0.94	0.04	59,59,59,59	0
55	MG	AA	4271	1/1	0.94	0.08	28,28,28,28	0
55	MG	AA	4859	1/1	0.94	0.26	48,48,48,48	0
55	MG	AA	4490	1/1	0.94	0.20	64,64,64,64	0
55	MG	AA	4316	1/1	0.94	0.08	31,31,31,31	0
55	MG	BA	2080	1/1	0.94	0.10	56,56,56,56	0
55	MG	CA	3380	1/1	0.94	0.16	56,56,56,56	0
55	MG	CA	3086	1/1	0.94	0.17	57,57,57,57	0
55	MG	AA	4862	1/1	0.94	0.04	30,30,30,30	0
55	MG	BA	2082	1/1	0.94	0.06	54,54,54,54	0
55	MG	AA	4272	1/1	0.94	0.36	46,46,46,46	0
55	MG	AA	4183	1/1	0.94	0.18	13,13,13,13	0
55	MG	AA	4976	1/1	0.94	0.09	78,78,78,78	0
55	MG	CA	3389	1/1	0.94	0.14	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1672	1/1	0.94	0.19	62,62,62,62	0
55	MG	CA	3659	1/1	0.94	0.04	52,52,52,52	0
55	MG	AA	4371	1/1	0.94	0.23	44,44,44,44	0
55	MG	AA	4704	1/1	0.94	0.22	78,78,78,78	0
55	MG	AA	4705	1/1	0.94	0.27	109,109,109,109	0
55	MG	AA	4626	1/1	0.94	0.07	55,55,55,55	0
55	MG	CA	4293	1/1	0.94	0.23	60,60,60,60	0
55	MG	CA	3396	1/1	0.94	0.09	39,39,39,39	0
55	MG	CA	3959	1/1	0.94	0.05	37,37,37,37	0
55	MG	CA	3961	1/1	0.94	0.08	28,28,28,28	0
55	MG	AA	4438	1/1	0.94	0.12	76,76,76,76	0
55	MG	DA	1684	1/1	0.94	0.14	72,72,72,72	0
55	MG	DA	2034	1/1	0.94	0.05	43,43,43,43	0
55	MG	CA	2908	1/1	0.94	0.19	74,74,74,74	0
55	MG	CA	4299	1/1	0.94	0.23	73,73,73,73	0
55	MG	AA	4985	1/1	0.94	0.26	61,61,61,61	0
55	MG	AA	4873	1/1	0.94	0.09	34,34,34,34	0
55	MG	CA	3673	1/1	0.94	0.22	81,81,81,81	0
55	MG	CA	3674	1/1	0.94	0.14	48,48,48,48	0
55	MG	AA	4785	1/1	0.94	0.07	68,68,68,68	0
55	MG	CA	3676	1/1	0.94	0.06	61,61,61,61	0
55	MG	DA	1699	1/1	0.94	0.18	27,27,27,27	0
55	MG	AA	4988	1/1	0.94	0.09	52,52,52,52	0
55	MG	DA	1702	1/1	0.94	0.15	26,26,26,26	0
55	MG	CA	3973	1/1	0.94	0.05	23,23,23,23	0
55	MG	CA	3975	1/1	0.94	0.14	34,34,34,34	0
55	MG	CA	3977	1/1	0.94	0.10	26,26,26,26	0
55	MG	CA	3114	1/1	0.94	0.16	17,17,17,17	0
55	MG	CA	3983	1/1	0.94	0.07	18,18,18,18	0
55	MG	DA	2051	1/1	0.94	0.08	65,65,65,65	0
55	MG	CA	3416	1/1	0.94	0.13	54,54,54,54	0
55	MG	AA	5223	1/1	0.94	0.15	70,70,70,70	0
55	MG	DA	1715	1/1	0.94	0.05	30,30,30,30	0
55	MG	CA	2915	1/1	0.94	0.10	64,64,64,64	0
55	MG	AA	4875	1/1	0.94	0.07	57,57,57,57	0
55	MG	AA	4560	1/1	0.94	0.15	64,64,64,64	0
55	MG	CA	4323	1/1	0.94	0.09	49,49,49,49	0
55	MG	CA	3992	1/1	0.94	0.12	26,26,26,26	0
55	MG	CA	3122	1/1	0.94	0.16	11,11,11,11	0
55	MG	AA	4372	1/1	0.94	0.15	49,49,49,49	0
55	MG	CA	3689	1/1	0.94	0.10	47,47,47,47	0
55	MG	CA	3427	1/1	0.94	0.12	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1728	1/1	0.94	0.13	32,32,32,32	0
55	MG	CA	3429	1/1	0.94	0.18	44,44,44,44	0
55	MG	CA	3128	1/1	0.94	0.14	8,8,8,8	0
55	MG	CA	3431	1/1	0.94	0.06	40,40,40,40	0
55	MG	CA	4004	1/1	0.94	0.29	48,48,48,48	0
55	MG	CA	3129	1/1	0.94	0.23	14,14,14,14	0
55	MG	AA	4185	1/1	0.94	0.15	16,16,16,16	0
55	MG	CA	3133	1/1	0.94	0.13	13,13,13,13	0
55	MG	BA	2101	1/1	0.94	0.07	59,59,59,59	0
55	MG	CA	3703	1/1	0.94	0.24	57,57,57,57	0
55	MG	CA	4341	1/1	0.94	0.12	51,51,51,51	0
55	MG	DA	2079	1/1	0.94	0.23	57,57,57,57	0
54	BLS	CA	4405	30/30	0.94	0.14	53,53,54,54	0
55	MG	BA	2103	1/1	0.94	0.14	38,38,38,38	0
55	MG	DA	1743	1/1	0.94	0.04	50,50,50,50	0
55	MG	AA	4995	1/1	0.94	0.12	71,71,71,71	0
55	MG	DA	1745	1/1	0.94	0.07	54,54,54,54	0
55	MG	AA	4882	1/1	0.94	0.21	42,42,42,42	0
55	MG	CA	4018	1/1	0.94	0.17	56,56,56,56	0
55	MG	CA	4019	1/1	0.94	0.15	43,43,43,43	0
55	MG	AA	4063	1/1	0.94	0.14	80,80,80,80	0
55	MG	AA	4064	1/1	0.94	0.29	66,66,66,66	0
55	MG	DA	1751	1/1	0.94	0.15	58,58,58,58	0
55	MG	BA	2110	1/1	0.94	0.18	88,88,88,88	0
55	MG	CA	3712	1/1	0.94	0.13	32,32,32,32	0
55	MG	AA	4192	1/1	0.94	0.13	23,23,23,23	0
55	MG	AA	4240	1/1	0.94	0.14	32,32,32,32	0
55	MG	CA	3160	1/1	0.94	0.29	44,44,44,44	0
55	MG	DA	2097	1/1	0.94	0.07	61,61,61,61	0
55	MG	CA	4029	1/1	0.94	0.03	58,58,58,58	0
55	MG	BA	2113	1/1	0.94	0.09	58,58,58,58	0
55	MG	DA	2100	1/1	0.94	0.10	48,48,48,48	0
55	MG	AA	4796	1/1	0.94	0.15	64,64,64,64	0
55	MG	AA	4331	1/1	0.94	0.10	34,34,34,34	0
55	MG	CA	3451	1/1	0.94	0.08	35,35,35,35	0
55	MG	CA	4040	1/1	0.94	0.15	36,36,36,36	0
55	MG	CA	4041	1/1	0.94	0.11	61,61,61,61	0
55	MG	BA	1829	1/1	0.94	0.21	87,87,87,87	0
55	MG	CA	4044	1/1	0.94	0.09	25,25,25,25	0
55	MG	AA	4507	1/1	0.94	0.10	72,72,72,72	0
55	MG	AA	5239	1/1	0.94	0.10	69,69,69,69	0
55	MG	AA	4508	1/1	0.94	0.07	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	1770	1/1	0.94	0.09	46,46,46,46	0
55	MG	AA	4194	1/1	0.94	0.15	26,26,26,26	0
55	MG	BA	1689	1/1	0.94	0.19	19,19,19,19	0
55	MG	AA	4283	1/1	0.94	0.08	39,39,39,39	0
55	MG	CA	4052	1/1	0.94	0.32	60,60,60,60	0
55	MG	CA	3181	1/1	0.94	0.15	39,39,39,39	0
55	MG	CA	3182	1/1	0.94	0.12	33,33,33,33	0
55	MG	AA	4896	1/1	0.94	0.05	42,42,42,42	0
55	MG	CA	4380	1/1	0.94	0.23	63,63,63,63	0
55	MG	AA	4574	1/1	0.94	0.15	71,71,71,71	0
55	MG	CA	4382	1/1	0.94	0.10	65,65,65,65	0
55	MG	AA	4127	1/1	0.94	0.19	72,72,72,72	0
55	MG	CA	4384	1/1	0.94	0.11	65,65,65,65	0
55	MG	CA	3190	1/1	0.94	0.11	11,11,11,11	0
55	MG	AA	5246	1/1	0.94	0.13	46,46,46,46	0
55	MG	BA	1700	1/1	0.94	0.11	41,41,41,41	0
55	MG	AA	4037	1/1	0.94	0.10	62,62,62,62	0
55	MG	BA	1983	1/1	0.94	0.10	58,58,58,58	0
55	MG	AA	4901	1/1	0.94	0.04	42,42,42,42	0
55	MG	DA	1791	1/1	0.94	0.09	65,65,65,65	0
55	MG	AA	4902	1/1	0.94	0.06	35,35,35,35	0
55	MG	CA	4069	1/1	0.94	0.16	41,41,41,41	0
55	MG	AA	4904	1/1	0.94	0.07	49,49,49,49	0
55	MG	AA	4337	1/1	0.94	0.10	24,24,24,24	0
55	MG	AA	4139	1/1	0.94	0.15	61,61,61,61	0
55	MG	CA	4074	1/1	0.94	0.21	59,59,59,59	0
55	MG	AA	4907	1/1	0.94	0.18	42,42,42,42	0
55	MG	AA	5135	1/1	0.94	0.21	75,75,75,75	0
55	MG	CA	2965	1/1	0.94	0.36	74,74,74,74	0
55	MG	CA	2966	1/1	0.94	0.23	75,75,75,75	0
55	MG	AR	203	1/1	0.94	0.09	19,19,19,19	0
55	MG	CA	3490	1/1	0.94	0.18	146,146,146,146	0
55	MG	AA	4580	1/1	0.94	0.20	90,90,90,90	0
55	MG	DA	2149	1/1	0.94	0.14	74,74,74,74	0
55	MG	CA	4085	1/1	0.94	0.07	54,54,54,54	0
55	MG	DA	1806	1/1	0.94	0.13	69,69,69,69	0
55	MG	AS	201	1/1	0.94	0.14	62,62,62,62	0
55	MG	AA	4809	1/1	0.94	0.16	65,65,65,65	0
55	MG	AA	4911	1/1	0.94	0.09	45,45,45,45	0
55	MG	CA	3495	1/1	0.94	0.07	58,58,58,58	0
55	MG	CA	4090	1/1	0.94	0.24	58,58,58,58	0
55	MG	CA	4091	1/1	0.94	0.18	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3496	1/1	0.94	0.05	45,45,45,45	0
55	MG	CA	3225	1/1	0.94	0.05	23,23,23,23	0
55	MG	BA	1857	1/1	0.94	0.06	72,72,72,72	0
55	MG	AA	4042	1/1	0.94	0.18	91,91,91,91	0
55	MG	DA	2165	1/1	0.94	0.12	61,61,61,61	0
55	MG	AA	4459	1/1	0.94	0.14	58,58,58,58	0
55	MG	DA	1820	1/1	0.94	0.14	102,102,102,102	0
55	MG	DA	2169	1/1	0.94	0.12	54,54,54,54	0
55	MG	CA	3769	1/1	0.94	0.15	50,50,50,50	0
55	MG	CA	2979	1/1	0.94	0.12	74,74,74,74	0
55	MG	CA	3237	1/1	0.94	0.15	31,31,31,31	0
55	MG	CA	3238	1/1	0.94	0.19	29,29,29,29	0
55	MG	DA	2174	1/1	0.94	0.09	65,65,65,65	0
55	MG	CA	4104	1/1	0.94	0.06	42,42,42,42	0
55	MG	DA	1827	1/1	0.94	0.05	98,98,98,98	0
55	MG	AA	4914	1/1	0.94	0.10	43,43,43,43	0
55	MG	CA	3241	1/1	0.94	0.20	26,26,26,26	0
55	MG	CA	2981	1/1	0.94	0.12	48,48,48,48	0
55	MG	CA	3782	1/1	0.94	0.19	76,76,76,76	0
55	MG	AV	202	1/1	0.94	0.05	56,56,56,56	0
55	MG	CA	3509	1/1	0.94	0.09	49,49,49,49	0
55	MG	AA	4915	1/1	0.94	0.09	64,64,64,64	0
55	MG	CA	4116	1/1	0.94	0.05	56,56,56,56	0
55	MG	DA	2185	1/1	0.94	0.07	62,62,62,62	0
55	MG	CA	2984	1/1	0.94	0.29	103,103,103,103	0
55	MG	DA	2187	1/1	0.94	0.12	55,55,55,55	0
55	MG	AX	103	1/1	0.94	0.15	62,62,62,62	0
55	MG	AA	4341	1/1	0.94	0.12	38,38,38,38	0
55	MG	AA	4248	1/1	0.94	0.11	39,39,39,39	0
55	MG	CA	3516	1/1	0.94	0.06	46,46,46,46	0
55	MG	CA	4126	1/1	0.94	0.11	48,48,48,48	0
55	MG	AA	5031	1/1	0.94	0.10	62,62,62,62	0
55	MG	AY	101	1/1	0.94	0.11	72,72,72,72	0
55	MG	AA	4252	1/1	0.94	0.08	37,37,37,37	0
55	MG	AA	4403	1/1	0.94	0.12	55,55,55,55	0
55	MG	CB	243	1/1	0.94	0.12	34,34,34,34	0
55	MG	BA	2155	1/1	0.94	0.09	40,40,40,40	0
55	MG	CA	2995	1/1	0.94	0.09	68,68,68,68	0
55	MG	CA	3526	1/1	0.94	0.17	64,64,64,64	0
55	MG	BA	1730	1/1	0.94	0.06	48,48,48,48	0
55	MG	AA	4464	1/1	0.94	0.29	69,69,69,69	0
55	MG	AA	4921	1/1	0.94	0.18	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	2159	1/1	0.94	0.08	63,63,63,63	0
55	MG	CA	4143	1/1	0.94	0.12	57,57,57,57	0
55	MG	CA	3002	1/1	0.94	0.16	58,58,58,58	0
55	MG	CA	3535	1/1	0.94	0.09	53,53,53,53	0
55	MG	CA	3272	1/1	0.94	0.19	36,36,36,36	0
55	MG	CA	3273	1/1	0.94	0.14	43,43,43,43	0
55	MG	BA	2015	1/1	0.94	0.06	53,53,53,53	0
55	MG	CB	258	1/1	0.94	0.05	65,65,65,65	0
55	MG	CA	3275	1/1	0.94	0.19	40,40,40,40	0
55	MG	DK	201	1/1	0.94	0.06	49,49,49,49	0
55	MG	BA	2016	1/1	0.94	0.07	47,47,47,47	0
55	MG	BA	1733	1/1	0.94	0.14	54,54,54,54	0
55	MG	CB	263	1/1	0.94	0.10	73,73,73,73	0
55	MG	BA	1734	1/1	0.94	0.07	56,56,56,56	0
55	MG	CA	4154	1/1	0.94	0.24	61,61,61,61	0
55	MG	CD	304	1/1	0.94	0.11	55,55,55,55	0
55	MG	CA	3545	1/1	0.94	0.20	75,75,75,75	0
55	MG	A4	104	1/1	0.94	0.23	99,99,99,99	0
55	MG	AA	4661	1/1	0.94	0.18	97,97,97,97	0
55	MG	CA	3548	1/1	0.94	0.10	55,55,55,55	0
55	MG	CA	4159	1/1	0.94	0.04	36,36,36,36	0
55	MG	AA	4141	1/1	0.94	0.16	65,65,65,65	0
55	MG	AA	4256	1/1	0.94	0.17	59,59,59,59	0
55	MG	CA	4163	1/1	0.94	0.08	64,64,64,64	0
55	MG	BA	2024	1/1	0.94	0.08	68,68,68,68	0
55	MG	BA	1740	1/1	0.94	0.18	51,51,51,51	0
55	MG	DV	110	1/1	0.94	0.06	55,55,55,55	0
55	MG	CF	307	1/1	0.94	0.39	71,71,71,71	0
55	MG	AA	5276	1/1	0.94	0.07	41,41,41,41	0
55	MG	AA	4525	1/1	0.94	0.07	43,43,43,43	0
55	MG	CA	4172	1/1	0.94	0.12	43,43,43,43	0
55	MG	CA	3842	1/1	0.94	0.10	71,71,71,71	0
55	MG	AA	5155	1/1	0.94	0.25	69,69,69,69	0
55	MG	AA	4406	1/1	0.94	0.12	28,28,28,28	0
55	MG	AA	4927	1/1	0.94	0.06	50,50,50,50	0
55	MG	CA	3847	1/1	0.94	0.07	71,71,71,71	0
55	MG	CA	3848	1/1	0.94	0.18	70,70,70,70	0
55	MG	CN	201	1/1	0.94	0.20	57,57,57,57	0
55	MG	CA	3020	1/1	0.94	0.21	139,139,139,139	0
55	MG	AA	4666	1/1	0.94	0.08	48,48,48,48	0
55	MG	AA	4930	1/1	0.94	0.11	39,39,39,39	0
55	MG	AA	5283	1/1	0.94	0.17	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4528	1/1	0.94	0.12	63,63,63,63	0
55	MG	CA	3567	1/1	0.94	0.30	71,71,71,71	0
55	MG	AA	4092	1/1	0.94	0.08	50,50,50,50	0
55	MG	BH	201	1/1	0.94	0.07	64,64,64,64	0
55	MG	CA	3030	1/1	0.94	0.14	61,61,61,61	0
55	MG	CA	3860	1/1	0.94	0.08	46,46,46,46	0
55	MG	DW	110	1/1	0.94	0.05	58,58,58,58	0
55	MG	AA	5164	1/1	0.94	0.06	125,125,125,125	0
55	MG	BA	1613	1/1	0.94	0.08	69,69,69,69	0
55	MG	CA	4192	1/1	0.94	0.06	43,43,43,43	0
55	MG	AA	4670	1/1	0.94	0.10	66,66,66,66	0
55	MG	AA	4258	1/1	0.94	0.15	42,42,42,42	0
55	MG	DA	1909	1/1	0.94	0.08	73,73,73,73	0
55	MG	CW	101	1/1	0.94	0.21	107,107,107,107	0
55	MG	AA	4936	1/1	0.94	0.05	46,46,46,46	0
55	MG	CA	4196	1/1	0.94	0.07	37,37,37,37	0
55	MG	CA	3579	1/1	0.94	0.07	53,53,53,53	0
55	MG	AA	4598	1/1	0.94	0.33	104,104,104,104	0
55	MG	CX	103	1/1	0.94	0.07	31,31,31,31	0
55	MG	AA	4212	1/1	0.94	0.21	39,39,39,39	0
55	MG	CA	3292	1/1	0.95	0.22	35,35,35,35	0
55	MG	CA	4167	1/1	0.95	0.07	45,45,45,45	0
55	MG	CA	4168	1/1	0.95	0.06	64,64,64,64	0
55	MG	AA	4690	1/1	0.95	0.18	57,57,57,57	0
55	MG	CA	3296	1/1	0.95	0.26	41,41,41,41	0
55	MG	CA	4171	1/1	0.95	0.12	26,26,26,26	0
55	MG	AA	4319	1/1	0.95	0.15	50,50,50,50	0
55	MG	BA	1697	1/1	0.95	0.15	40,40,40,40	0
55	MG	BV	103	1/1	0.95	0.17	66,66,66,66	0
55	MG	CB	216	1/1	0.95	0.12	21,21,21,21	0
55	MG	CA	3304	1/1	0.95	0.12	13,13,13,13	0
55	MG	AA	4889	1/1	0.95	0.24	41,41,41,41	0
55	MG	CB	220	1/1	0.95	0.06	31,31,31,31	0
55	MG	AA	4588	1/1	0.95	0.12	80,80,80,80	0
55	MG	AA	4116	1/1	0.95	0.08	53,53,53,53	0
55	MG	DA	2015	1/1	0.95	0.05	50,50,50,50	0
55	MG	CA	3919	1/1	0.95	0.14	51,51,51,51	0
55	MG	CA	3103	1/1	0.95	0.34	18,18,18,18	0
55	MG	AA	4893	1/1	0.95	0.19	54,54,54,54	0
55	MG	AA	4036	1/1	0.95	0.08	64,64,64,64	0
55	MG	CA	3924	1/1	0.95	0.08	44,44,44,44	0
55	MG	CA	3925	1/1	0.95	0.26	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	5058	1/1	0.95	0.17	49,49,49,49	0
55	MG	CA	3314	1/1	0.95	0.04	26,26,26,26	0
55	MG	CA	3109	1/1	0.95	0.24	11,11,11,11	0
55	MG	AA	4232	1/1	0.95	0.09	40,40,40,40	0
55	MG	CA	3113	1/1	0.95	0.07	9,9,9,9	0
55	MG	DA	2030	1/1	0.95	0.05	26,26,26,26	0
55	MG	AA	4696	1/1	0.95	0.09	50,50,50,50	0
55	MG	AA	4382	1/1	0.95	0.18	48,48,48,48	0
55	MG	AA	4383	1/1	0.95	0.15	54,54,54,54	0
55	MG	AA	4699	1/1	0.95	0.10	60,60,60,60	0
55	MG	BA	2108	1/1	0.95	0.09	56,56,56,56	0
55	MG	AA	4384	1/1	0.95	0.12	35,35,35,35	0
55	MG	CA	3938	1/1	0.95	0.11	64,64,64,64	0
55	MG	AA	4425	1/1	0.95	0.16	66,66,66,66	0
55	MG	CA	3940	1/1	0.95	0.38	44,44,44,44	0
55	MG	CA	3941	1/1	0.95	0.06	58,58,58,58	0
55	MG	CA	3715	1/1	0.95	0.07	59,59,59,59	0
55	MG	AA	4982	1/1	0.95	0.13	60,60,60,60	0
55	MG	CA	2991	1/1	0.95	0.13	51,51,51,51	0
55	MG	DA	1779	1/1	0.95	0.14	87,87,87,87	0
55	MG	CB	249	1/1	0.95	0.09	50,50,50,50	0
55	MG	AA	4903	1/1	0.95	0.07	48,48,48,48	0
55	MG	AA	4551	1/1	0.95	0.07	72,72,72,72	0
55	MG	CA	3947	1/1	0.95	0.14	41,41,41,41	0
55	MG	CA	3331	1/1	0.95	0.04	27,27,27,27	0
55	MG	AA	4426	1/1	0.95	0.11	64,64,64,64	0
55	MG	AA	4647	1/1	0.95	0.12	59,59,59,59	0
55	MG	CA	3334	1/1	0.95	0.10	32,32,32,32	0
55	MG	CA	3137	1/1	0.95	0.23	16,16,16,16	0
55	MG	CA	3728	1/1	0.95	0.14	77,77,77,77	0
55	MG	DA	2055	1/1	0.95	0.08	59,59,59,59	0
55	MG	CA	3955	1/1	0.95	0.12	51,51,51,51	0
55	MG	CA	3523	1/1	0.95	0.22	59,59,59,59	0
55	MG	CA	3524	1/1	0.95	0.14	39,39,39,39	0
55	MG	CA	3138	1/1	0.95	0.15	19,19,19,19	0
55	MG	CA	3139	1/1	0.95	0.15	19,19,19,19	0
55	MG	BA	1718	1/1	0.95	0.11	30,30,30,30	0
55	MG	CD	303	1/1	0.95	0.19	28,28,28,28	0
55	MG	BA	2020	1/1	0.95	0.13	61,61,61,61	0
55	MG	CA	3737	1/1	0.95	0.16	91,91,91,91	0
55	MG	CA	4225	1/1	0.95	0.10	48,48,48,48	0
55	MG	BV	127	1/1	0.95	0.05	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CE	302	1/1	0.95	0.25	31,31,31,31	0
55	MG	BV	128	1/1	0.95	0.04	63,63,63,63	0
55	MG	CA	3150	1/1	0.95	0.13	23,23,23,23	0
55	MG	AA	5160	1/1	0.95	0.20	55,55,55,55	0
55	MG	DA	2073	1/1	0.95	0.05	60,60,60,60	0
55	MG	CA	4231	1/1	0.95	0.12	48,48,48,48	0
55	MG	CA	3969	1/1	0.95	0.15	31,31,31,31	0
55	MG	CA	3152	1/1	0.95	0.19	22,22,22,22	0
55	MG	DA	1808	1/1	0.95	0.12	61,61,61,61	0
55	MG	AA	4599	1/1	0.95	0.18	61,61,61,61	0
55	MG	AA	4326	1/1	0.95	0.12	29,29,29,29	0
55	MG	BW	102	1/1	0.95	0.10	57,57,57,57	0
55	MG	AA	5076	1/1	0.95	0.11	69,69,69,69	0
55	MG	CA	3543	1/1	0.95	0.07	47,47,47,47	0
55	MG	CA	3981	1/1	0.95	0.14	35,35,35,35	0
55	MG	AA	4327	1/1	0.95	0.12	53,53,53,53	0
55	MG	BA	1629	1/1	0.95	0.04	55,55,55,55	0
55	MG	BA	1725	1/1	0.95	0.07	27,27,27,27	0
55	MG	AA	4429	1/1	0.95	0.13	36,36,36,36	0
55	MG	CL	205	1/1	0.95	0.16	35,35,35,35	0
55	MG	AA	4992	1/1	0.95	0.06	48,48,48,48	0
55	MG	CA	3168	1/1	0.95	0.12	27,27,27,27	0
55	MG	CA	3169	1/1	0.95	0.23	21,21,21,21	0
55	MG	DA	1824	1/1	0.95	0.11	63,63,63,63	0
55	MG	CA	3552	1/1	0.95	0.33	56,56,56,56	0
55	MG	AA	4387	1/1	0.95	0.13	35,35,35,35	0
55	MG	BA	1729	1/1	0.95	0.17	53,53,53,53	0
55	MG	AA	4604	1/1	0.95	0.10	54,54,54,54	0
55	MG	CQ	204	1/1	0.95	0.24	75,75,75,75	0
55	MG	AA	4388	1/1	0.95	0.07	66,66,66,66	0
55	MG	CA	3366	1/1	0.95	0.09	42,42,42,42	0
55	MG	AA	4776	1/1	0.95	0.17	105,105,105,105	0
55	MG	CA	3559	1/1	0.95	0.15	57,57,57,57	0
55	MG	CA	3765	1/1	0.95	0.13	77,77,77,77	0
55	MG	AA	4154	1/1	0.95	0.33	55,55,55,55	0
55	MG	CA	4006	1/1	0.95	0.06	33,33,33,33	0
55	MG	CA	4260	1/1	0.95	0.06	46,46,46,46	0
55	MG	AA	4839	1/1	0.95	0.09	98,98,98,98	0
55	MG	CA	3562	1/1	0.95	0.14	48,48,48,48	0
55	MG	CA	3023	1/1	0.95	0.13	64,64,64,64	0
55	MG	CA	3770	1/1	0.95	0.05	62,62,62,62	0
55	MG	CA	4265	1/1	0.95	0.18	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4190	1/1	0.95	0.19	23,23,23,23	0
55	MG	AE	302	1/1	0.95	0.22	77,77,77,77	0
55	MG	CA	4014	1/1	0.95	0.11	37,37,37,37	0
55	MG	CA	3774	1/1	0.95	0.14	55,55,55,55	0
55	MG	AA	4841	1/1	0.95	0.07	67,67,67,67	0
55	MG	AA	4041	1/1	0.95	0.15	57,57,57,57	0
55	MG	CA	3192	1/1	0.95	0.12	24,24,24,24	0
55	MG	CA	3779	1/1	0.95	0.10	53,53,53,53	0
55	MG	AA	4023	1/1	0.95	0.33	71,71,71,71	0
55	MG	CA	3781	1/1	0.95	0.14	53,53,53,53	0
55	MG	CA	4023	1/1	0.95	0.05	26,26,26,26	0
55	MG	CA	4024	1/1	0.95	0.07	48,48,48,48	0
55	MG	CA	3196	1/1	0.95	0.06	23,23,23,23	0
55	MG	AA	4844	1/1	0.95	0.38	59,59,59,59	0
55	MG	DA	2126	1/1	0.95	0.16	59,59,59,59	0
55	MG	AA	5006	1/1	0.95	0.07	47,47,47,47	0
55	MG	CA	3786	1/1	0.95	0.09	64,64,64,64	0
55	MG	CA	3788	1/1	0.95	0.14	57,57,57,57	0
55	MG	CA	3032	1/1	0.95	0.14	46,46,46,46	0
55	MG	AA	4845	1/1	0.95	0.21	35,35,35,35	0
55	MG	DA	1606	1/1	0.95	0.15	83,83,83,83	0
55	MG	BA	1844	1/1	0.95	0.13	74,74,74,74	0
55	MG	CA	3204	1/1	0.95	0.11	38,38,38,38	0
55	MG	CA	3387	1/1	0.95	0.13	29,29,29,29	0
55	MG	AA	4091	1/1	0.95	0.07	41,41,41,41	0
55	MG	CA	3206	1/1	0.95	0.07	24,24,24,24	0
55	MG	CA	3802	1/1	0.95	0.18	70,70,70,70	0
55	MG	DA	1871	1/1	0.95	0.09	69,69,69,69	0
55	MG	CA	3390	1/1	0.95	0.16	37,37,37,37	0
55	MG	CA	3585	1/1	0.95	0.07	43,43,43,43	0
55	MG	CA	3207	1/1	0.95	0.07	14,14,14,14	0
55	MG	AA	4108	1/1	0.95	0.08	61,61,61,61	0
55	MG	AA	4613	1/1	0.95	0.12	41,41,41,41	0
55	MG	CA	3808	1/1	0.95	0.22	88,88,88,88	0
55	MG	CA	3809	1/1	0.95	0.10	62,62,62,62	0
55	MG	CA	3810	1/1	0.95	0.15	43,43,43,43	0
55	MG	AA	4852	1/1	0.95	0.14	28,28,28,28	0
55	MG	CA	3211	1/1	0.95	0.13	28,28,28,28	0
55	MG	CA	4057	1/1	0.95	0.10	42,42,42,42	0
55	MG	CA	4307	1/1	0.95	0.06	58,58,58,58	0
55	MG	CA	3212	1/1	0.95	0.14	26,26,26,26	0
55	MG	DA	2157	1/1	0.95	0.08	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	4310	1/1	0.95	0.21	44,44,44,44	0
55	MG	DA	2159	1/1	0.95	0.09	63,63,63,63	0
55	MG	AA	4784	1/1	0.95	0.05	43,43,43,43	0
55	MG	DA	2161	1/1	0.95	0.08	61,61,61,61	0
55	MG	BA	1651	1/1	0.95	0.11	64,64,64,64	0
55	MG	AA	4929	1/1	0.95	0.04	35,35,35,35	0
55	MG	CA	3818	1/1	0.95	0.16	72,72,72,72	0
55	MG	CA	3404	1/1	0.95	0.04	36,36,36,36	0
55	MG	CA	3405	1/1	0.95	0.12	32,32,32,32	0
55	MG	CA	3406	1/1	0.95	0.16	49,49,49,49	0
55	MG	CA	3407	1/1	0.95	0.06	36,36,36,36	0
55	MG	CA	3409	1/1	0.95	0.05	38,38,38,38	0
55	MG	AA	4243	1/1	0.95	0.23	45,45,45,45	0
55	MG	AA	4720	1/1	0.95	0.15	92,92,92,92	0
55	MG	DA	1639	1/1	0.95	0.14	138,138,138,138	0
55	MG	CA	3413	1/1	0.95	0.23	48,48,48,48	0
55	MG	AA	4335	1/1	0.95	0.16	52,52,52,52	0
55	MG	CA	3045	1/1	0.95	0.16	53,53,53,53	0
55	MG	CA	3046	1/1	0.95	0.29	80,80,80,80	0
55	MG	CA	4328	1/1	0.95	0.17	76,76,76,76	0
55	MG	CA	4329	1/1	0.95	0.11	48,48,48,48	0
55	MG	AN	201	1/1	0.95	0.13	102,102,102,102	0
55	MG	AA	4399	1/1	0.95	0.05	35,35,35,35	0
55	MG	CA	3229	1/1	0.95	0.18	45,45,45,45	0
55	MG	AA	4527	1/1	0.95	0.06	43,43,43,43	0
55	MG	CA	2924	1/1	0.95	0.28	91,91,91,91	0
55	MG	CA	3426	1/1	0.95	0.13	39,39,39,39	0
55	MG	CA	3236	1/1	0.95	0.15	31,31,31,31	0
55	MG	CA	4337	1/1	0.95	0.11	69,69,69,69	0
55	MG	AA	4571	1/1	0.95	0.23	48,48,48,48	0
55	MG	AA	4669	1/1	0.95	0.13	116,116,116,116	0
55	MG	AA	4401	1/1	0.95	0.12	42,42,42,42	0
55	MG	AA	5196	1/1	0.95	0.09	48,48,48,48	0
55	MG	CA	3622	1/1	0.95	0.20	53,53,53,53	0
55	MG	CA	3624	1/1	0.95	0.10	33,33,33,33	0
55	MG	AA	5022	1/1	0.95	0.14	55,55,55,55	0
55	MG	AA	4265	1/1	0.95	0.25	51,51,51,51	0
55	MG	AA	4672	1/1	0.95	0.29	57,57,57,57	0
55	MG	CA	4097	1/1	0.95	0.14	57,57,57,57	0
55	MG	BA	2164	1/1	0.95	0.08	40,40,40,40	0
55	MG	AA	4221	1/1	0.95	0.13	43,43,43,43	0
55	MG	CA	3438	1/1	0.95	0.10	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4867	1/1	0.95	0.23	44,44,44,44	0
55	MG	CA	3633	1/1	0.95	0.10	63,63,63,63	0
55	MG	AA	4674	1/1	0.95	0.10	50,50,50,50	0
55	MG	CA	2939	1/1	0.95	0.17	47,47,47,47	0
55	MG	AA	4675	1/1	0.95	0.06	52,52,52,52	0
55	MG	CA	3254	1/1	0.95	0.14	46,46,46,46	0
55	MG	CA	3638	1/1	0.95	0.13	44,44,44,44	0
55	MG	CA	3255	1/1	0.95	0.11	33,33,33,33	0
55	MG	CA	3256	1/1	0.95	0.11	31,31,31,31	0
55	MG	CA	3446	1/1	0.95	0.19	53,53,53,53	0
55	MG	AA	4676	1/1	0.95	0.05	74,74,74,74	0
55	MG	DA	1678	1/1	0.95	0.10	74,74,74,74	0
55	MG	CA	3643	1/1	0.95	0.11	48,48,48,48	0
55	MG	CA	3258	1/1	0.95	0.15	41,41,41,41	0
55	MG	CA	4119	1/1	0.95	0.07	51,51,51,51	0
55	MG	AA	5030	1/1	0.95	0.07	45,45,45,45	0
55	MG	AA	4949	1/1	0.95	0.09	38,38,38,38	0
55	MG	CA	4123	1/1	0.95	0.12	43,43,43,43	0
55	MG	AA	4312	1/1	0.95	0.14	41,41,41,41	0
55	MG	CA	4374	1/1	0.95	0.23	41,41,41,41	0
55	MG	CA	3648	1/1	0.95	0.09	41,41,41,41	0
55	MG	CA	3262	1/1	0.95	0.09	44,44,44,44	0
55	MG	AA	4245	1/1	0.95	0.17	26,26,26,26	0
55	MG	AA	4451	1/1	0.95	0.15	60,60,60,60	0
55	MG	DA	1693	1/1	0.95	0.12	18,18,18,18	0
55	MG	CA	3268	1/1	0.95	0.31	35,35,35,35	0
55	MG	CA	4132	1/1	0.95	0.25	57,57,57,57	0
55	MG	DA	1698	1/1	0.95	0.20	35,35,35,35	0
55	MG	AA	5213	1/1	0.95	0.04	60,60,60,60	0
55	MG	BA	1677	1/1	0.95	0.13	71,71,71,71	0
55	MG	DA	1961	1/1	0.95	0.09	43,43,43,43	0
55	MG	DV	112	1/1	0.95	0.04	35,35,35,35	0
55	MG	BA	1880	1/1	0.95	0.16	135,135,135,135	0
55	MG	DA	1963	1/1	0.95	0.11	46,46,46,46	0
55	MG	AA	4680	1/1	0.95	0.10	68,68,68,68	0
55	MG	AA	4368	1/1	0.95	0.05	38,38,38,38	0
55	MG	DA	1966	1/1	0.95	0.17	50,50,50,50	0
55	MG	AA	4877	1/1	0.95	0.13	48,48,48,48	0
55	MG	DA	1968	1/1	0.95	0.09	56,56,56,56	0
55	MG	DA	1707	1/1	0.95	0.18	41,41,41,41	0
55	MG	BG	201	1/1	0.95	0.08	46,46,46,46	0
55	MG	DA	1709	1/1	0.95	0.08	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4222	1/1	0.95	0.13	23,23,23,23	0
55	MG	AA	4627	1/1	0.95	0.07	42,42,42,42	0
55	MG	CA	3465	1/1	0.95	0.17	48,48,48,48	0
55	MG	CA	4391	1/1	0.95	0.05	57,57,57,57	0
55	MG	AA	4069	1/1	0.95	0.09	68,68,68,68	0
55	MG	AA	4186	1/1	0.95	0.07	10,10,10,10	0
55	MG	CA	3667	1/1	0.95	0.12	64,64,64,64	0
55	MG	CA	3668	1/1	0.95	0.14	84,84,84,84	0
55	MG	CA	2959	1/1	0.95	0.06	60,60,60,60	0
55	MG	CA	3470	1/1	0.95	0.07	49,49,49,49	0
55	MG	AA	4207	1/1	0.95	0.12	25,25,25,25	0
55	MG	DA	1984	1/1	0.95	0.14	50,50,50,50	0
55	MG	DA	1985	1/1	0.95	0.10	58,58,58,58	0
55	MG	CA	3472	1/1	0.95	0.06	50,50,50,50	0
55	MG	CA	3284	1/1	0.95	0.10	42,42,42,42	0
55	MG	CA	3475	1/1	0.95	0.09	42,42,42,42	0
55	MG	AA	4962	1/1	0.95	0.10	49,49,49,49	0
55	MG	BA	1687	1/1	0.95	0.17	25,25,25,25	0
55	MG	AA	4631	1/1	0.95	0.15	104,104,104,104	0
55	MG	AA	4374	1/1	0.95	0.12	46,46,46,46	0
55	MG	AA	4253	1/1	0.95	0.14	28,28,28,28	0
55	MG	DA	1995	1/1	0.95	0.18	71,71,71,71	0
55	MG	CA	3092	1/1	0.95	0.12	62,62,62,62	0
55	MG	CA	3681	1/1	0.95	0.14	58,58,58,58	0
55	MG	C2	102	1/1	0.96	0.22	49,49,49,49	0
55	MG	BA	1985	1/1	0.96	0.10	44,44,44,44	0
55	MG	CA	3393	1/1	0.96	0.06	36,36,36,36	0
55	MG	CA	2955	1/1	0.96	0.22	52,52,52,52	0
55	MG	BA	1782	1/1	0.96	0.12	69,69,69,69	0
55	MG	AA	4356	1/1	0.96	0.08	33,33,33,33	0
55	MG	C4	104	1/1	0.96	0.09	56,56,56,56	0
55	MG	AA	4175	1/1	0.96	0.23	14,14,14,14	0
55	MG	AA	4239	1/1	0.96	0.29	47,47,47,47	0
55	MG	CA	4124	1/1	0.96	0.12	48,48,48,48	0
55	MG	CA	2960	1/1	0.96	0.18	77,77,77,77	0
55	MG	CA	3739	1/1	0.96	0.09	45,45,45,45	0
55	MG	CA	4127	1/1	0.96	0.07	49,49,49,49	0
55	MG	CA	2961	1/1	0.96	0.14	78,78,78,78	0
55	MG	CA	3403	1/1	0.96	0.22	45,45,45,45	0
55	MG	AA	4937	1/1	0.96	0.04	38,38,38,38	0
55	MG	AA	5149	1/1	0.96	0.07	36,36,36,36	0
55	MG	AA	4878	1/1	0.96	0.05	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4306	1/1	0.96	0.20	42,42,42,42	0
55	MG	CA	3926	1/1	0.96	0.10	45,45,45,45	0
55	MG	BA	1994	1/1	0.96	0.11	52,52,52,52	0
55	MG	AA	5005	1/1	0.96	0.09	61,61,61,61	0
55	MG	DA	2061	1/1	0.96	0.08	57,57,57,57	0
55	MG	CA	4138	1/1	0.96	0.24	49,49,49,49	0
55	MG	CA	4342	1/1	0.96	0.22	60,60,60,60	0
55	MG	CA	3253	1/1	0.96	0.09	27,27,27,27	0
55	MG	CA	3574	1/1	0.96	0.17	91,91,91,91	0
55	MG	CA	3576	1/1	0.96	0.11	37,37,37,37	0
55	MG	BA	2095	1/1	0.96	0.06	68,68,68,68	0
55	MG	AA	4082	1/1	0.96	0.29	77,77,77,77	0
55	MG	AA	4199	1/1	0.96	0.12	10,10,10,10	0
55	MG	AA	5080	1/1	0.96	0.18	56,56,56,56	0
55	MG	DA	2071	1/1	0.96	0.11	58,58,58,58	0
55	MG	BV	108	1/1	0.96	0.04	54,54,54,54	0
55	MG	CA	2976	1/1	0.96	0.12	61,61,61,61	0
55	MG	CA	3094	1/1	0.96	0.24	41,41,41,41	0
55	MG	CA	3584	1/1	0.96	0.09	55,55,55,55	0
55	MG	AA	4943	1/1	0.96	0.04	45,45,45,45	0
55	MG	BA	1699	1/1	0.96	0.07	37,37,37,37	0
55	MG	CA	3263	1/1	0.96	0.09	36,36,36,36	0
55	MG	CA	3264	1/1	0.96	0.08	34,34,34,34	0
55	MG	AA	4178	1/1	0.96	0.08	9,9,9,9	0
55	MG	DA	1852	1/1	0.96	0.11	73,73,73,73	0
55	MG	AA	4544	1/1	0.96	0.12	69,69,69,69	0
55	MG	AA	5159	1/1	0.96	0.18	69,69,69,69	0
55	MG	AA	4721	1/1	0.96	0.04	76,76,76,76	0
55	MG	CA	3948	1/1	0.96	0.26	66,66,66,66	0
55	MG	AA	4203	1/1	0.96	0.12	25,25,25,25	0
55	MG	CA	4162	1/1	0.96	0.13	62,62,62,62	0
55	MG	DA	1637	1/1	0.96	0.10	71,71,71,71	0
55	MG	AA	4146	1/1	0.96	0.11	73,73,73,73	0
55	MG	BA	2107	1/1	0.96	0.04	57,57,57,57	0
55	MG	DA	2091	1/1	0.96	0.09	50,50,50,50	0
55	MG	CA	4368	1/1	0.96	0.14	64,64,64,64	0
55	MG	AA	4206	1/1	0.96	0.05	19,19,19,19	0
55	MG	CA	4370	1/1	0.96	0.21	61,61,61,61	0
55	MG	CA	3772	1/1	0.96	0.30	58,58,58,58	0
55	MG	CA	4372	1/1	0.96	0.12	55,55,55,55	0
55	MG	AA	4591	1/1	0.96	0.11	52,52,52,52	0
55	MG	DA	1868	1/1	0.96	0.06	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4225	1/1	0.96	0.12	44,44,44,44	0
55	MG	AA	4367	1/1	0.96	0.06	35,35,35,35	0
55	MG	CA	3602	1/1	0.96	0.18	35,35,35,35	0
55	MG	AB	234	1/1	0.96	0.07	44,44,44,44	0
55	MG	AA	4050	1/1	0.96	0.13	84,84,84,84	0
55	MG	CA	2992	1/1	0.96	0.11	60,60,60,60	0
55	MG	AA	5248	1/1	0.96	0.20	59,59,59,59	0
55	MG	AA	4637	1/1	0.96	0.05	79,79,79,79	0
55	MG	CA	4177	1/1	0.96	0.08	54,54,54,54	0
55	MG	AA	4955	1/1	0.96	0.16	54,54,54,54	0
55	MG	CA	3121	1/1	0.96	0.14	11,11,11,11	0
55	MG	BA	1814	1/1	0.96	0.06	53,53,53,53	0
55	MG	CA	3787	1/1	0.96	0.08	52,52,52,52	0
55	MG	CA	3124	1/1	0.96	0.13	17,17,17,17	0
55	MG	CA	3789	1/1	0.96	0.20	94,94,94,94	0
55	MG	DA	1884	1/1	0.96	0.07	71,71,71,71	0
55	MG	CA	3791	1/1	0.96	0.12	61,61,61,61	0
55	MG	CA	3792	1/1	0.96	0.29	122,122,122,122	0
55	MG	AA	4400	1/1	0.96	0.10	40,40,40,40	0
55	MG	CA	3974	1/1	0.96	0.14	41,41,41,41	0
55	MG	CA	3794	1/1	0.96	0.30	106,106,106,106	0
55	MG	CA	3127	1/1	0.96	0.14	14,14,14,14	0
55	MG	CA	3978	1/1	0.96	0.06	32,32,32,32	0
55	MG	AA	4191	1/1	0.96	0.15	14,14,14,14	0
55	MG	AA	4249	1/1	0.96	0.11	25,25,25,25	0
55	MG	CA	3001	1/1	0.96	0.05	40,40,40,40	0
55	MG	CA	3618	1/1	0.96	0.09	56,56,56,56	0
55	MG	CA	3294	1/1	0.96	0.08	31,31,31,31	0
55	MG	DA	1897	1/1	0.96	0.07	79,79,79,79	0
55	MG	AA	4641	1/1	0.96	0.26	66,66,66,66	0
55	MG	CA	4197	1/1	0.96	0.20	64,64,64,64	0
55	MG	CA	3297	1/1	0.96	0.12	37,37,37,37	0
55	MG	AA	4788	1/1	0.96	0.24	55,55,55,55	0
55	MG	AA	5256	1/1	0.96	0.12	55,55,55,55	0
55	MG	AA	4899	1/1	0.96	0.16	51,51,51,51	0
55	MG	CA	3303	1/1	0.96	0.13	28,28,28,28	0
55	MG	CA	3995	1/1	0.96	0.15	36,36,36,36	0
55	MG	AA	4474	1/1	0.96	0.06	42,42,42,42	0
55	MG	AA	4735	1/1	0.96	0.08	43,43,43,43	0
55	MG	AA	4557	1/1	0.96	0.11	70,70,70,70	0
55	MG	AA	4437	1/1	0.96	0.10	33,33,33,33	0
55	MG	CA	3812	1/1	0.96	0.09	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	BA	1826	1/1	0.96	0.08	48,48,48,48	0
55	MG	AA	4184	1/1	0.96	0.13	19,19,19,19	0
55	MG	CA	3467	1/1	0.96	0.07	41,41,41,41	0
55	MG	AD	301	1/1	0.96	0.15	28,28,28,28	0
55	MG	CB	215	1/1	0.96	0.10	28,28,28,28	0
55	MG	DA	1691	1/1	0.96	0.09	16,16,16,16	0
55	MG	CA	3312	1/1	0.96	0.19	38,38,38,38	0
55	MG	AA	4211	1/1	0.96	0.05	21,21,21,21	0
55	MG	CB	218	1/1	0.96	0.18	46,46,46,46	0
55	MG	CA	3819	1/1	0.96	0.13	68,68,68,68	0
55	MG	AA	4846	1/1	0.96	0.13	13,13,13,13	0
55	MG	DA	1700	1/1	0.96	0.05	48,48,48,48	0
55	MG	AA	5183	1/1	0.96	0.07	58,58,58,58	0
55	MG	AA	5034	1/1	0.96	0.08	48,48,48,48	0
55	MG	CA	3474	1/1	0.96	0.16	55,55,55,55	0
55	MG	CB	225	1/1	0.96	0.06	51,51,51,51	0
55	MG	CA	3155	1/1	0.96	0.11	18,18,18,18	0
55	MG	CA	3157	1/1	0.96	0.13	8,8,8,8	0
55	MG	AA	5108	1/1	0.96	0.05	66,66,66,66	0
55	MG	AA	4969	1/1	0.96	0.04	68,68,68,68	0
55	MG	DA	1931	1/1	0.96	0.06	50,50,50,50	0
55	MG	CA	3021	1/1	0.96	0.11	68,68,68,68	0
55	MG	CA	3162	1/1	0.96	0.06	11,11,11,11	0
55	MG	AE	304	1/1	0.96	0.07	29,29,29,29	0
55	MG	CA	3485	1/1	0.96	0.35	63,63,63,63	0
55	MG	DA	1716	1/1	0.96	0.11	51,51,51,51	0
55	MG	CA	3486	1/1	0.96	0.07	61,61,61,61	0
55	MG	AA	4174	1/1	0.96	0.14	14,14,14,14	0
55	MG	AF	302	1/1	0.96	0.09	49,49,49,49	0
55	MG	AA	4908	1/1	0.96	0.12	97,97,97,97	0
55	MG	CA	3026	1/1	0.96	0.13	59,59,59,59	0
55	MG	CA	4030	1/1	0.96	0.08	37,37,37,37	0
55	MG	CA	4031	1/1	0.96	0.06	40,40,40,40	0
55	MG	CA	4034	1/1	0.96	0.07	38,38,38,38	0
55	MG	DA	1726	1/1	0.96	0.08	28,28,28,28	0
55	MG	AA	5272	1/1	0.96	0.06	58,58,58,58	0
55	MG	AA	4320	1/1	0.96	0.19	46,46,46,46	0
55	MG	AA	4849	1/1	0.96	0.09	16,16,16,16	0
55	MG	DA	1730	1/1	0.96	0.16	44,44,44,44	0
55	MG	AA	4745	1/1	0.96	0.09	64,64,64,64	0
55	MG	CA	3176	1/1	0.96	0.09	15,15,15,15	0
55	MG	DA	1733	1/1	0.96	0.11	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	2188	1/1	0.96	0.12	91,91,91,91	0
55	MG	AA	4851	1/1	0.96	0.10	16,16,16,16	0
55	MG	AA	5042	1/1	0.96	0.12	57,57,57,57	0
55	MG	AK	201	1/1	0.96	0.09	56,56,56,56	0
55	MG	AA	4605	1/1	0.96	0.19	55,55,55,55	0
55	MG	DA	2193	1/1	0.96	0.06	54,54,54,54	0
55	MG	CA	3183	1/1	0.96	0.09	19,19,19,19	0
55	MG	DA	1960	1/1	0.96	0.04	20,20,20,20	0
55	MG	AA	4799	1/1	0.96	0.08	37,37,37,37	0
55	MG	CA	3341	1/1	0.96	0.07	30,30,30,30	0
55	MG	CA	3855	1/1	0.96	0.09	42,42,42,42	0
55	MG	CA	3503	1/1	0.96	0.12	53,53,53,53	0
55	MG	AA	4376	1/1	0.96	0.09	53,53,53,53	0
55	MG	AA	5046	1/1	0.96	0.05	37,37,37,37	0
55	MG	CA	3188	1/1	0.96	0.15	23,23,23,23	0
55	MG	CA	3345	1/1	0.96	0.27	48,48,48,48	0
55	MG	AA	5199	1/1	0.96	0.07	49,49,49,49	0
55	MG	AA	4233	1/1	0.96	0.18	29,29,29,29	0
55	MG	AA	5284	1/1	0.96	0.07	52,52,52,52	0
55	MG	AN	202	1/1	0.96	0.16	48,48,48,48	0
55	MG	CA	3195	1/1	0.96	0.09	20,20,20,20	0
55	MG	CD	302	1/1	0.96	0.29	15,15,15,15	0
55	MG	AA	4196	1/1	0.96	0.11	24,24,24,24	0
55	MG	CA	3867	1/1	0.96	0.10	53,53,53,53	0
55	MG	CA	4065	1/1	0.96	0.05	39,39,39,39	0
55	MG	CA	3868	1/1	0.96	0.15	46,46,46,46	0
55	MG	AA	4411	1/1	0.96	0.14	63,63,63,63	0
55	MG	AA	4983	1/1	0.96	0.05	51,51,51,51	0
55	MG	AA	4655	1/1	0.96	0.15	60,60,60,60	0
55	MG	AA	5052	1/1	0.96	0.07	46,46,46,46	0
55	MG	AA	4485	1/1	0.96	0.14	36,36,36,36	0
55	MG	CA	3203	1/1	0.96	0.24	35,35,35,35	0
55	MG	CF	301	1/1	0.96	0.18	55,55,55,55	0
55	MG	CF	302	1/1	0.96	0.12	43,43,43,43	0
55	MG	CA	4073	1/1	0.96	0.11	45,45,45,45	0
55	MG	AA	5208	1/1	0.96	0.19	45,45,45,45	0
55	MG	BA	1965	1/1	0.96	0.06	61,61,61,61	0
55	MG	CA	4076	1/1	0.96	0.06	34,34,34,34	0
55	MG	AA	4324	1/1	0.96	0.18	46,46,46,46	0
55	MG	CA	4078	1/1	0.96	0.06	44,44,44,44	0
55	MG	CA	3363	1/1	0.96	0.11	22,22,22,22	0
55	MG	AA	4754	1/1	0.96	0.09	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DV	107	1/1	0.96	0.06	69,69,69,69	0
55	MG	CA	3527	1/1	0.96	0.08	27,27,27,27	0
55	MG	AR	205	1/1	0.96	0.20	110,110,110,110	0
55	MG	DA	1776	1/1	0.96	0.04	48,48,48,48	0
55	MG	BA	1766	1/1	0.96	0.05	50,50,50,50	0
55	MG	AA	4448	1/1	0.96	0.05	59,59,59,59	0
55	MG	AA	4413	1/1	0.96	0.09	40,40,40,40	0
55	MG	CL	206	1/1	0.96	0.11	55,55,55,55	0
55	MG	DV	115	1/1	0.96	0.03	59,59,59,59	0
55	MG	AA	4450	1/1	0.96	0.07	62,62,62,62	0
55	MG	CA	3371	1/1	0.96	0.18	51,51,51,51	0
55	MG	CA	3058	1/1	0.96	0.19	66,66,66,66	0
55	MG	CA	3373	1/1	0.96	0.06	53,53,53,53	0
55	MG	AA	4215	1/1	0.96	0.06	19,19,19,19	0
55	MG	CA	3216	1/1	0.96	0.09	18,18,18,18	0
55	MG	CA	3218	1/1	0.96	0.15	23,23,23,23	0
55	MG	CQ	202	1/1	0.96	0.16	58,58,58,58	0
55	MG	AA	4415	1/1	0.96	0.12	52,52,52,52	0
55	MG	AA	4300	1/1	0.96	0.06	25,25,25,25	0
55	MG	AA	4493	1/1	0.96	0.09	53,53,53,53	0
55	MG	BA	1874	1/1	0.96	0.07	82,82,82,82	0
55	MG	CS	202	1/1	0.96	0.14	28,28,28,28	0
55	MG	AA	4576	1/1	0.96	0.14	60,60,60,60	0
55	MG	DA	2020	1/1	0.96	0.03	66,66,66,66	0
55	MG	AX	102	1/1	0.96	0.14	25,25,25,25	0
55	MG	CA	4101	1/1	0.96	0.07	46,46,46,46	0
55	MG	AA	4996	1/1	0.96	0.21	65,65,65,65	0
55	MG	CA	3227	1/1	0.96	0.05	29,29,29,29	0
55	MG	DA	2026	1/1	0.96	0.04	63,63,63,63	0
55	MG	CA	4309	1/1	0.96	0.04	36,36,36,36	0
55	MG	CA	3550	1/1	0.96	0.13	41,41,41,41	0
55	MG	AA	4277	1/1	0.96	0.06	41,41,41,41	0
55	MG	CA	4312	1/1	0.96	0.16	57,57,57,57	0
55	MG	AA	5066	1/1	0.96	0.06	37,37,37,37	0
55	MG	CA	3723	1/1	0.96	0.32	53,53,53,53	0
55	MG	CA	3231	1/1	0.96	0.09	19,19,19,19	0
55	MG	CX	102	1/1	0.96	0.08	18,18,18,18	0
55	MG	CA	3232	1/1	0.96	0.09	32,32,32,32	0
55	MG	CA	4110	1/1	0.96	0.12	45,45,45,45	0
55	MG	AB	208	1/1	0.96	0.04	77,77,77,77	0
55	MG	AA	4302	1/1	0.96	0.04	28,28,28,28	0
55	MG	CA	4139	1/1	0.97	0.04	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3979	1/1	0.97	0.04	29,29,29,29	0
55	MG	CA	3980	1/1	0.97	0.19	39,39,39,39	0
55	MG	CA	3202	1/1	0.97	0.07	28,28,28,28	0
55	MG	AA	4381	1/1	0.97	0.15	79,79,79,79	0
55	MG	DA	1719	1/1	0.97	0.18	42,42,42,42	0
55	MG	CA	3091	1/1	0.97	0.14	65,65,65,65	0
55	MG	CA	3843	1/1	0.97	0.15	68,68,68,68	0
55	MG	CA	2932	1/1	0.97	0.09	58,58,58,58	0
55	MG	CA	3702	1/1	0.97	0.22	90,90,90,90	0
55	MG	CA	3987	1/1	0.97	0.13	36,36,36,36	0
55	MG	CA	4317	1/1	0.97	0.07	70,70,70,70	0
55	MG	CF	306	1/1	0.97	0.10	26,26,26,26	0
55	MG	CA	3988	1/1	0.97	0.11	24,24,24,24	0
55	MG	AA	5201	1/1	0.97	0.17	49,49,49,49	0
55	MG	CA	3012	1/1	0.97	0.11	75,75,75,75	0
55	MG	CA	3991	1/1	0.97	0.05	21,21,21,21	0
55	MG	CJ	202	1/1	0.97	0.06	37,37,37,37	0
55	MG	CK	201	1/1	0.97	0.26	105,105,105,105	0
55	MG	AA	4786	1/1	0.97	0.05	55,55,55,55	0
55	MG	AA	4011	1/1	0.97	0.27	59,59,59,59	0
55	MG	AA	4179	1/1	0.97	0.14	14,14,14,14	0
55	MG	BA	1707	1/1	0.97	0.20	38,38,38,38	0
55	MG	CA	3017	1/1	0.97	0.17	68,68,68,68	0
55	MG	A4	102	1/1	0.97	0.18	101,101,101,101	0
55	MG	CA	3998	1/1	0.97	0.05	35,35,35,35	0
55	MG	A4	103	1/1	0.97	0.11	76,76,76,76	0
55	MG	AA	4410	1/1	0.97	0.09	65,65,65,65	0
55	MG	CA	3217	1/1	0.97	0.13	24,24,24,24	0
55	MG	BA	1955	1/1	0.97	0.04	24,24,24,24	0
55	MG	AA	4180	1/1	0.97	0.16	22,22,22,22	0
55	MG	CA	3220	1/1	0.97	0.05	12,12,12,12	0
55	MG	CA	4007	1/1	0.97	0.07	29,29,29,29	0
55	MG	A5	101	1/1	0.97	0.05	30,30,30,30	0
55	MG	AA	5073	1/1	0.97	0.08	36,36,36,36	0
55	MG	BA	1892	1/1	0.97	0.08	83,83,83,83	0
55	MG	AA	4296	1/1	0.97	0.03	25,25,25,25	0
55	MG	AB	209	1/1	0.97	0.14	30,30,30,30	0
55	MG	CS	201	1/1	0.97	0.07	44,44,44,44	0
55	MG	CA	3724	1/1	0.97	0.11	60,60,60,60	0
55	MG	BV	123	1/1	0.97	0.07	56,56,56,56	0
55	MG	AA	5118	1/1	0.97	0.09	54,54,54,54	0
55	MG	CA	4344	1/1	0.97	0.06	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	4016	1/1	0.97	0.17	42,42,42,42	0
55	MG	CA	3119	1/1	0.97	0.19	8,8,8,8	0
55	MG	CA	3589	1/1	0.97	0.27	58,58,58,58	0
55	MG	DA	2128	1/1	0.97	0.05	40,40,40,40	0
55	MG	CA	3590	1/1	0.97	0.13	42,42,42,42	0
55	MG	AA	4339	1/1	0.97	0.06	33,33,33,33	0
55	MG	AA	4005	1/1	0.97	0.21	64,64,64,64	0
55	MG	AA	4094	1/1	0.97	0.17	62,62,62,62	0
55	MG	CA	3123	1/1	0.97	0.12	6,6,6,6	0
55	MG	CA	3234	1/1	0.97	0.09	18,18,18,18	0
55	MG	CA	3736	1/1	0.97	0.29	99,99,99,99	0
55	MG	AA	4010	1/1	0.97	0.23	64,64,64,64	0
55	MG	CA	3879	1/1	0.97	0.08	43,43,43,43	0
55	MG	DA	2138	1/1	0.97	0.10	58,58,58,58	0
55	MG	CA	3125	1/1	0.97	0.12	13,13,13,13	0
55	MG	AA	4872	1/1	0.97	0.06	32,32,32,32	0
55	MG	AA	5124	1/1	0.97	0.10	46,46,46,46	0
55	MG	CA	3239	1/1	0.97	0.16	29,29,29,29	0
55	MG	DA	2143	1/1	0.97	0.03	48,48,48,48	0
55	MG	CA	4032	1/1	0.97	0.23	49,49,49,49	0
55	MG	CA	4033	1/1	0.97	0.12	45,45,45,45	0
55	MG	AA	4219	1/1	0.97	0.05	16,16,16,16	0
55	MG	DA	1958	1/1	0.97	0.06	18,18,18,18	0
55	MG	AA	4234	1/1	0.97	0.06	19,19,19,19	0
55	MG	CA	3356	1/1	0.97	0.08	34,34,34,34	0
55	MG	CA	3130	1/1	0.97	0.05	11,11,11,11	0
55	MG	CA	4038	1/1	0.97	0.16	45,45,45,45	0
55	MG	CA	3131	1/1	0.97	0.16	31,31,31,31	0
55	MG	AA	4652	1/1	0.97	0.16	74,74,74,74	0
55	MG	CA	3479	1/1	0.97	0.06	45,45,45,45	0
55	MG	AA	5219	1/1	0.97	0.10	79,79,79,79	0
55	MG	CA	3481	1/1	0.97	0.11	38,38,38,38	0
55	MG	CA	4206	1/1	0.97	0.14	57,57,57,57	0
55	MG	CA	4045	1/1	0.97	0.12	49,49,49,49	0
55	MG	BA	1786	1/1	0.97	0.17	60,60,60,60	0
55	MG	AA	4392	1/1	0.97	0.08	39,39,39,39	0
55	MG	DA	1972	1/1	0.97	0.08	48,48,48,48	0
55	MG	CA	3248	1/1	0.97	0.07	40,40,40,40	0
55	MG	CA	3364	1/1	0.97	0.07	20,20,20,20	0
55	MG	CA	4212	1/1	0.97	0.04	44,44,44,44	0
55	MG	AA	4282	1/1	0.97	0.11	23,23,23,23	0
55	MG	CA	3250	1/1	0.97	0.08	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	DA	2168	1/1	0.97	0.05	54,54,54,54	0
55	MG	BA	1848	1/1	0.97	0.09	79,79,79,79	0
55	MG	AA	4369	1/1	0.97	0.09	25,25,25,25	0
55	MG	BW	110	1/1	0.97	0.09	47,47,47,47	0
55	MG	CA	4055	1/1	0.97	0.06	49,49,49,49	0
55	MG	AA	4452	1/1	0.97	0.04	42,42,42,42	0
55	MG	CA	3047	1/1	0.97	0.12	48,48,48,48	0
55	MG	CA	2967	1/1	0.97	0.15	73,73,73,73	0
55	MG	CA	4059	1/1	0.97	0.04	42,42,42,42	0
55	MG	CA	3623	1/1	0.97	0.09	69,69,69,69	0
55	MG	CA	3146	1/1	0.97	0.17	24,24,24,24	0
55	MG	CA	3148	1/1	0.97	0.13	17,17,17,17	0
55	MG	CA	3149	1/1	0.97	0.14	18,18,18,18	0
55	MG	BA	1851	1/1	0.97	0.16	66,66,66,66	0
55	MG	BA	1791	1/1	0.97	0.03	60,60,60,60	0
55	MG	CA	4229	1/1	0.97	0.07	42,42,42,42	0
55	MG	CA	2971	1/1	0.97	0.14	60,60,60,60	0
55	MG	CA	3912	1/1	0.97	0.07	56,56,56,56	0
55	MG	AA	5224	1/1	0.97	0.08	47,47,47,47	0
55	MG	CA	4400	1/1	0.97	0.05	45,45,45,45	0
55	MG	AA	4484	1/1	0.97	0.08	75,75,75,75	0
55	MG	CA	3265	1/1	0.97	0.07	35,35,35,35	0
55	MG	AA	4554	1/1	0.97	0.14	73,73,73,73	0
55	MG	DA	1817	1/1	0.97	0.04	34,34,34,34	0
55	MG	AA	4395	1/1	0.97	0.11	53,53,53,53	0
55	MG	AB	229	1/1	0.97	0.03	45,45,45,45	0
55	MG	CA	3159	1/1	0.97	0.09	24,24,24,24	0
55	MG	CA	3386	1/1	0.97	0.07	43,43,43,43	0
55	MG	DA	2006	1/1	0.97	0.14	54,54,54,54	0
55	MG	AA	4423	1/1	0.97	0.07	45,45,45,45	0
55	MG	AA	4033	1/1	0.97	0.06	47,47,47,47	0
55	MG	AA	4348	1/1	0.97	0.11	36,36,36,36	0
55	MG	AA	4250	1/1	0.97	0.11	24,24,24,24	0
55	MG	CA	4244	1/1	0.97	0.04	34,34,34,34	0
55	MG	DA	2012	1/1	0.97	0.22	65,65,65,65	0
55	MG	CA	4245	1/1	0.97	0.06	43,43,43,43	0
55	MG	CA	2904	1/1	0.97	0.21	49,49,49,49	0
55	MG	AA	4285	1/1	0.97	0.06	23,23,23,23	0
55	MG	CA	3063	1/1	0.97	0.11	82,82,82,82	0
55	MG	CA	4083	1/1	0.97	0.09	37,37,37,37	0
55	MG	AA	4286	1/1	0.97	0.09	35,35,35,35	0
55	MG	AA	4236	1/1	0.97	0.18	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3279	1/1	0.97	0.07	36,36,36,36	0
55	MG	CA	3397	1/1	0.97	0.08	37,37,37,37	0
55	MG	AA	4176	1/1	0.97	0.26	21,21,21,21	0
55	MG	AA	4931	1/1	0.97	0.06	41,41,41,41	0
55	MG	CA	3173	1/1	0.97	0.10	14,14,14,14	0
55	MG	AA	4739	1/1	0.97	0.15	65,65,65,65	0
55	MG	CB	222	1/1	0.97	0.05	29,29,29,29	0
55	MG	CA	3525	1/1	0.97	0.11	61,61,61,61	0
55	MG	CA	2911	1/1	0.97	0.11	64,64,64,64	0
55	MG	BL	201	1/1	0.97	0.11	78,78,78,78	0
55	MG	AS	204	1/1	0.97	0.09	43,43,43,43	0
55	MG	CA	3801	1/1	0.97	0.05	45,45,45,45	0
55	MG	CA	3179	1/1	0.97	0.12	41,41,41,41	0
55	MG	CA	3530	1/1	0.97	0.04	57,57,57,57	0
55	MG	CA	3289	1/1	0.97	0.06	20,20,20,20	0
55	MG	CA	3408	1/1	0.97	0.15	41,41,41,41	0
55	MG	CA	3180	1/1	0.97	0.04	18,18,18,18	0
55	MG	CA	3410	1/1	0.97	0.08	44,44,44,44	0
55	MG	AA	4210	1/1	0.97	0.11	37,37,37,37	0
55	MG	DV	105	1/1	0.97	0.04	55,55,55,55	0
55	MG	CA	3666	1/1	0.97	0.24	54,54,54,54	0
55	MG	BP	101	1/1	0.97	0.11	88,88,88,88	0
55	MG	CA	2916	1/1	0.97	0.13	66,66,66,66	0
55	MG	CA	3414	1/1	0.97	0.04	42,42,42,42	0
55	MG	CA	2917	1/1	0.97	0.13	41,41,41,41	0
55	MG	CA	3541	1/1	0.97	0.20	63,63,63,63	0
55	MG	BA	1998	1/1	0.97	0.06	52,52,52,52	0
55	MG	CA	4114	1/1	0.97	0.11	50,50,50,50	0
55	MG	AA	5191	1/1	0.97	0.04	41,41,41,41	0
55	MG	AA	4530	1/1	0.97	0.11	64,64,64,64	0
55	MG	CA	3419	1/1	0.97	0.10	41,41,41,41	0
55	MG	CA	3421	1/1	0.97	0.07	55,55,55,55	0
55	MG	CA	3960	1/1	0.97	0.25	6,6,6,6	0
55	MG	CA	3189	1/1	0.97	0.10	25,25,25,25	0
55	MG	CA	4286	1/1	0.97	0.10	58,58,58,58	0
55	MG	CA	4121	1/1	0.97	0.05	39,39,39,39	0
55	MG	CA	4288	1/1	0.97	0.11	53,53,53,53	0
55	MG	AA	4255	1/1	0.97	0.12	23,23,23,23	0
55	MG	CA	3963	1/1	0.97	0.09	24,24,24,24	0
55	MG	BA	1695	1/1	0.97	0.07	19,19,19,19	0
55	MG	CA	3000	1/1	0.97	0.14	37,37,37,37	0
55	MG	DA	1692	1/1	0.97	0.10	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4157	1/1	0.97	0.08	64,64,64,64	0
55	MG	DA	1694	1/1	0.97	0.09	22,22,22,22	0
55	MG	CA	3194	1/1	0.97	0.12	9,9,9,9	0
55	MG	DA	1696	1/1	0.97	0.11	25,25,25,25	0
55	MG	CA	3428	1/1	0.97	0.04	35,35,35,35	0
55	MG	AA	4434	1/1	0.97	0.09	54,54,54,54	0
55	MG	CA	3308	1/1	0.97	0.09	25,25,25,25	0
55	MG	CB	261	1/1	0.97	0.15	61,61,61,61	0
55	MG	CA	3687	1/1	0.97	0.10	67,67,67,67	0
55	MG	AA	4857	1/1	0.97	0.12	28,28,28,28	0
55	MG	CA	2926	1/1	0.97	0.44	56,56,56,56	0
55	MG	DA	1704	1/1	0.97	0.11	42,42,42,42	0
55	MG	CA	4301	1/1	0.97	0.17	56,56,56,56	0
55	MG	CD	301	1/1	0.97	0.12	61,61,61,61	0
55	MG	AA	4224	1/1	0.97	0.09	14,14,14,14	0
55	MG	CA	4135	1/1	0.97	0.13	50,50,50,50	0
55	MG	AA	4467	1/1	0.97	0.04	36,36,36,36	0
55	MG	AA	4941	1/1	0.97	0.10	48,48,48,48	0
55	MG	CA	2930	1/1	0.97	0.22	92,92,92,92	0
55	MG	DA	1713	1/1	0.97	0.12	30,30,30,30	0
56	ZN	DN	101	1/1	0.97	0.05	94,94,94,94	0
55	MG	BA	1692	1/1	0.98	0.14	51,51,51,51	0
55	MG	CA	3140	1/1	0.98	0.07	8,8,8,8	0
55	MG	AA	4738	1/1	0.98	0.13	19,19,19,19	0
55	MG	CA	3999	1/1	0.98	0.04	37,37,37,37	0
55	MG	CA	3484	1/1	0.98	0.12	49,49,49,49	0
55	MG	CA	3612	1/1	0.98	0.03	50,50,50,50	0
55	MG	AA	4182	1/1	0.98	0.16	17,17,17,17	0
55	MG	CA	4270	1/1	0.98	0.07	52,52,52,52	0
55	MG	CA	4271	1/1	0.98	0.05	29,29,29,29	0
55	MG	AA	4200	1/1	0.98	0.08	8,8,8,8	0
55	MG	DA	1987	1/1	0.98	0.10	42,42,42,42	0
55	MG	AA	4193	1/1	0.98	0.08	11,11,11,11	0
55	MG	BA	2162	1/1	0.98	0.04	38,38,38,38	0
55	MG	CA	3921	1/1	0.98	0.12	59,59,59,59	0
55	MG	CA	3147	1/1	0.98	0.13	12,12,12,12	0
55	MG	CA	4094	1/1	0.98	0.04	39,39,39,39	0
55	MG	CA	3840	1/1	0.98	0.14	63,63,63,63	0
55	MG	CA	3685	1/1	0.98	0.12	86,86,86,86	0
55	MG	AA	4553	1/1	0.98	0.15	39,39,39,39	0
55	MG	AA	4743	1/1	0.98	0.06	59,59,59,59	0
55	MG	AA	4056	1/1	0.98	0.17	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3101	1/1	0.98	0.30	21,21,21,21	0
55	MG	DA	1712	1/1	0.98	0.11	48,48,48,48	0
55	MG	CA	3315	1/1	0.98	0.19	29,29,29,29	0
55	MG	AA	4213	1/1	0.98	0.03	18,18,18,18	0
55	MG	CA	3693	1/1	0.98	0.17	59,59,59,59	0
55	MG	AA	4195	1/1	0.98	0.06	21,21,21,21	0
55	MG	CA	3695	1/1	0.98	0.06	21,21,21,21	0
55	MG	CA	3696	1/1	0.98	0.05	47,47,47,47	0
55	MG	CA	3318	1/1	0.98	0.07	29,29,29,29	0
55	MG	AA	5067	1/1	0.98	0.11	53,53,53,53	0
55	MG	CA	3854	1/1	0.98	0.09	66,66,66,66	0
55	MG	AA	4500	1/1	0.98	0.07	63,63,63,63	0
55	MG	CA	4111	1/1	0.98	0.04	37,37,37,37	0
55	MG	CA	3106	1/1	0.98	0.15	11,11,11,11	0
55	MG	CA	4113	1/1	0.98	0.03	32,32,32,32	0
55	MG	AA	4892	1/1	0.98	0.08	45,45,45,45	0
55	MG	CA	3108	1/1	0.98	0.11	8,8,8,8	0
55	MG	CA	3777	1/1	0.98	0.07	59,59,59,59	0
55	MG	AA	4771	1/1	0.98	0.08	25,25,25,25	0
55	MG	CA	3213	1/1	0.98	0.12	14,14,14,14	0
55	MG	AA	4205	1/1	0.98	0.15	18,18,18,18	0
55	MG	CA	3111	1/1	0.98	0.13	12,12,12,12	0
55	MG	CA	3112	1/1	0.98	0.11	14,14,14,14	0
55	MG	CA	3164	1/1	0.98	0.06	9,9,9,9	0
55	MG	BA	1771	1/1	0.98	0.07	29,29,29,29	0
55	MG	CA	3785	1/1	0.98	0.12	69,69,69,69	0
55	MG	BA	1738	1/1	0.98	0.04	25,25,25,25	0
55	MG	DA	2025	1/1	0.98	0.04	40,40,40,40	0
55	MG	CA	3711	1/1	0.98	0.14	67,67,67,67	0
55	MG	CA	3511	1/1	0.98	0.13	46,46,46,46	0
55	MG	CA	3575	1/1	0.98	0.07	36,36,36,36	0
55	MG	CA	3790	1/1	0.98	0.26	111,111,111,111	0
55	MG	CA	4042	1/1	0.98	0.15	46,46,46,46	0
55	MG	BA	1908	1/1	0.98	0.12	75,75,75,75	0
55	MG	BA	1806	1/1	0.98	0.04	56,56,56,56	0
55	MG	CA	3117	1/1	0.98	0.11	17,17,17,17	0
55	MG	AA	5125	1/1	0.98	0.08	45,45,45,45	0
55	MG	AA	4028	1/1	0.98	0.30	88,88,88,88	0
55	MG	CA	3719	1/1	0.98	0.09	46,46,46,46	0
55	MG	AA	4503	1/1	0.98	0.08	48,48,48,48	0
55	MG	CA	3174	1/1	0.98	0.08	23,23,23,23	0
55	MG	DA	1941	1/1	0.98	0.08	38,38,38,38	0

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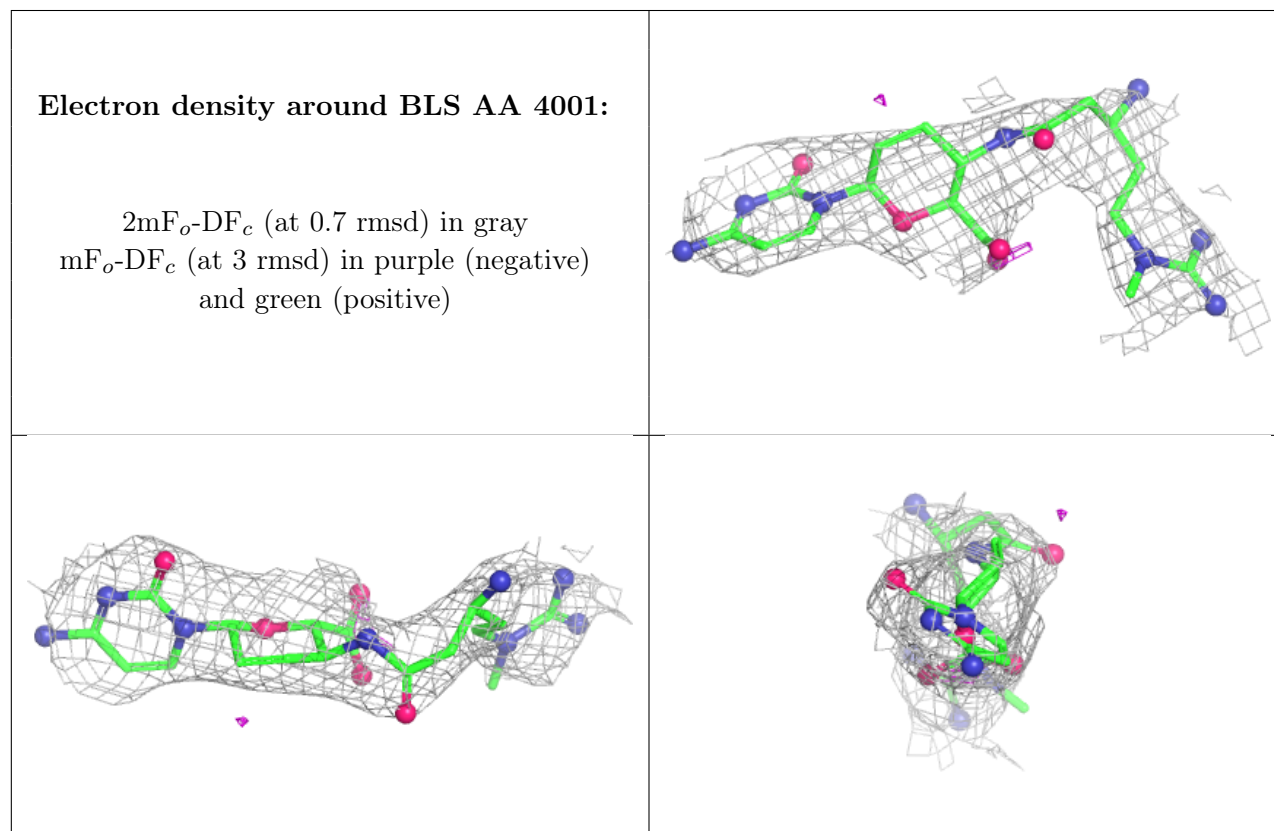
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	AA	4522	1/1	0.98	0.07	76,76,76,76	0
55	MG	AA	4303	1/1	0.98	0.17	41,41,41,41	0
55	MG	BA	1953	1/1	0.98	0.17	24,24,24,24	0
55	MG	CQ	203	1/1	0.98	0.14	80,80,80,80	0
55	MG	CA	3400	1/1	0.98	0.04	32,32,32,32	0
55	MG	CA	3230	1/1	0.98	0.06	21,21,21,21	0
55	MG	AA	4251	1/1	0.98	0.07	27,27,27,27	0
55	MG	AA	4172	1/1	0.98	0.18	14,14,14,14	0
55	MG	AA	4585	1/1	0.98	0.15	72,72,72,72	0
55	MG	DA	1760	1/1	0.98	0.09	62,62,62,62	0
55	MG	DA	2148	1/1	0.98	0.12	54,54,54,54	0
55	MG	AA	4228	1/1	0.98	0.07	23,23,23,23	0
55	MG	CA	4148	1/1	0.98	0.10	43,43,43,43	0
55	MG	AA	4070	1/1	0.98	0.10	60,60,60,60	0
55	MG	AA	5270	1/1	0.98	0.07	47,47,47,47	0
55	MG	CA	3184	1/1	0.98	0.06	13,13,13,13	0
55	MG	CA	3734	1/1	0.98	0.13	43,43,43,43	0
55	MG	AA	4230	1/1	0.98	0.07	19,19,19,19	0
55	MG	CA	3662	1/1	0.98	0.38	76,76,76,76	0
55	MG	BA	1922	1/1	0.98	0.13	54,54,54,54	0
55	MG	CA	3533	1/1	0.98	0.05	52,52,52,52	0
55	MG	BA	1688	1/1	0.98	0.05	11,11,11,11	0
55	MG	BA	1924	1/1	0.98	0.06	53,53,53,53	0
55	MG	CA	3354	1/1	0.98	0.36	52,52,52,52	0
55	MG	AA	4444	1/1	0.98	0.03	23,23,23,23	0
55	MG	CA	3743	1/1	0.98	0.08	58,58,58,58	0
55	MG	AA	4323	1/1	0.98	0.08	31,31,31,31	0
55	MG	CA	3299	1/1	0.98	0.07	21,21,21,21	0
55	MG	CA	4164	1/1	0.98	0.11	44,44,44,44	0
55	MG	CA	3823	1/1	0.98	0.17	81,81,81,81	0
55	MG	CA	2969	1/1	0.98	0.11	73,73,73,73	0
55	MG	BA	1691	1/1	0.98	0.06	20,20,20,20	0
55	MG	CA	3826	1/1	0.98	0.10	61,61,61,61	0
55	MG	CA	3302	1/1	0.98	0.20	50,50,50,50	0
55	MG	CA	3828	1/1	0.98	0.08	52,52,52,52	0
56	ZN	BD	301	1/1	0.98	0.16	38,38,38,38	0
55	MG	CA	3420	1/1	0.98	0.07	43,43,43,43	0
55	MG	AA	4344	1/1	0.99	0.06	33,33,33,33	0
55	MG	CA	3170	1/1	0.99	0.11	24,24,24,24	0
55	MG	CA	3631	1/1	0.99	0.09	42,42,42,42	0
55	MG	CA	3281	1/1	0.99	0.19	35,35,35,35	0
55	MG	BA	1951	1/1	0.99	0.03	29,29,29,29	0

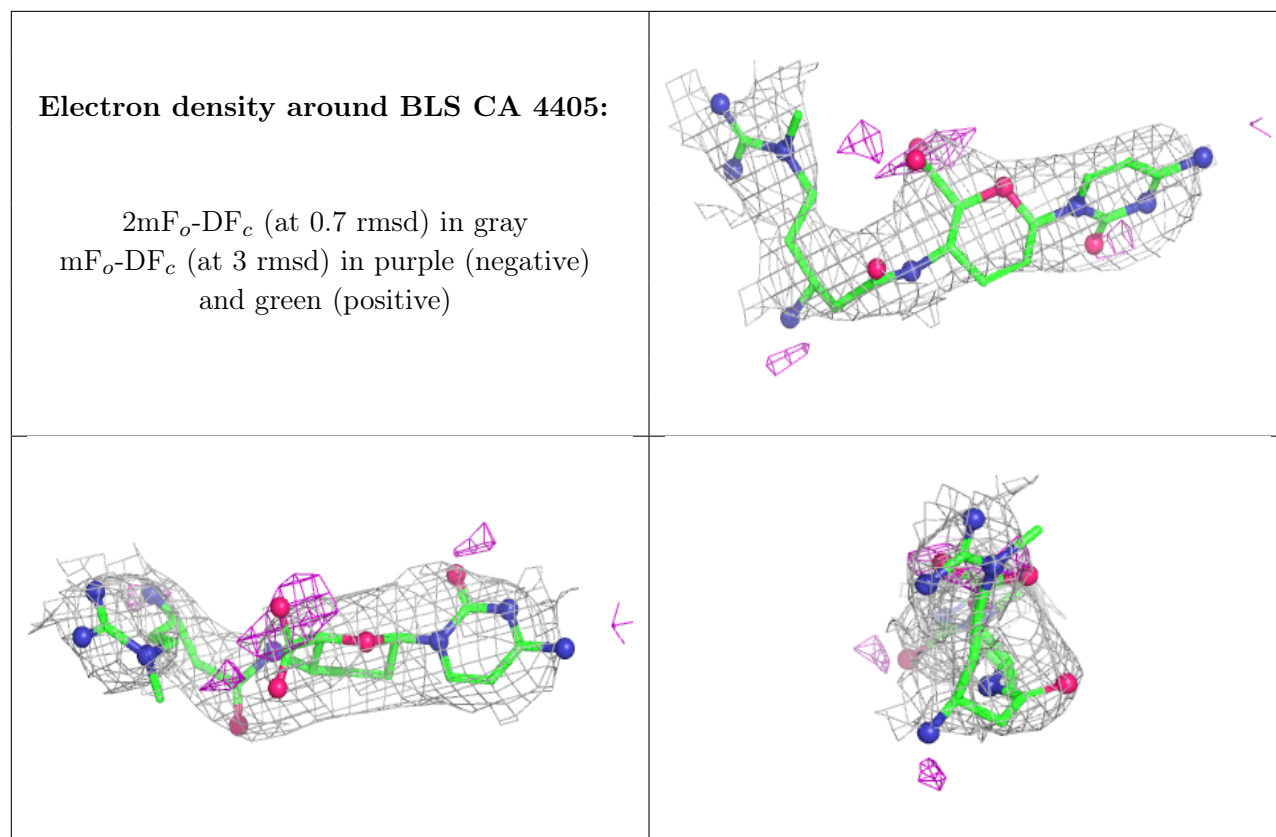
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
55	MG	CA	3295	1/1	0.99	0.09	29,29,29,29	0
55	MG	CA	3976	1/1	0.99	0.02	14,14,14,14	0
55	MG	CA	3691	1/1	0.99	0.14	49,49,49,49	0
55	MG	BA	1753	1/1	0.99	0.07	39,39,39,39	0
55	MG	CA	3093	1/1	0.99	0.07	69,69,69,69	0
55	MG	AA	4201	1/1	0.99	0.05	15,15,15,15	0
55	MG	AA	4977	1/1	0.99	0.03	33,33,33,33	0
55	MG	CA	3136	1/1	0.99	0.06	14,14,14,14	0
55	MG	CA	3156	1/1	0.99	0.10	17,17,17,17	0
55	MG	CA	4204	1/1	0.99	0.08	49,49,49,49	0
55	MG	AA	4866	1/1	0.99	0.08	24,24,24,24	0
55	MG	CA	4001	1/1	0.99	0.08	11,11,11,11	0
56	ZN	BN	101	1/1	0.99	0.04	76,76,76,76	0
56	ZN	DD	303	1/1	0.99	0.19	80,80,80,80	0
55	MG	AA	5079	1/1	0.99	0.25	53,53,53,53	0
55	MG	CA	3141	1/1	1.00	0.02	9,9,9,9	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.





6.5 Other polymers [i](#)

There are no such residues in this entry.