



# wwPDB X-ray Structure Validation Summary Report i

Feb 27, 2014 – 03:35 PM GMT

PDB ID : 3PYR  
Title : Crystal structure of a complex containing domain 3 from the PSIV IGR IRES RNA bound to the 70S ribosome. This file contains the 50S subunit of the second 70S ribosome.  
Authors : Zhu, J.; Korostelev, A.; Costantino, D.; Noller, H.F.; Kieft, J.S.  
Deposited on : 2010-12-13  
Resolution : 3.50 Å(reported)

This is a wwPDB validation summary report for a publicly released PDB entry.  
We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)  
A user guide is available at <http://wwpdb.org/ValidationPDFNotes.html>

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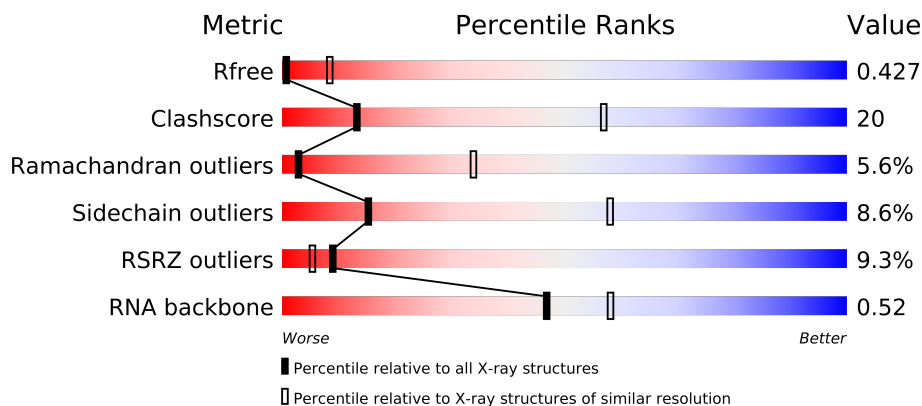
The following versions of software and data (see [references](#)) were used in the production of this report:

MolProbity : 4.02b-467  
Mogul : 1.15 2013  
Xtriage (Phenix) : dev-1323  
EDS : stable22639  
Percentile statistics : 21963  
Refmac : 5.8.0049  
CCP4 : 6.3.0 (Settle)  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et. al. (1996)  
Validation Pipeline (wwPDB-VP) : stable22683

# 1 Overall quality at a glance

The reported resolution of this entry is 3.50 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))
$R_{free}$	66092	1243 (3.70-3.30)
Clashscore	79885	1039 (3.66-3.34)
Ramachandran outliers	78287	1000 (3.66-3.34)
Sidechain outliers	78261	1000 (3.66-3.34)
RSRZ outliers	66119	1243 (3.70-3.30)
RNA backbone	1838	1007 (4.22-2.76)

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 on the lower bar indicate the fraction of residues that contain outliers for  $\geq 3$ , 2, 1 and 0 types of geometric quality criteria. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density.

Mol	Chain	Length	Quality of chain
1	A	2879	
2	B	119	
3	C	271	
4	D	204	
5	E	202	
6	F	181	
7	G	159	
8	H	145	
9	I	65	
10	J	137	
11	K	122	

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Mol	Chain	Length	Quality of chain
12	L	146	
13	M	136	
14	N	117	
15	O	98	
16	P	137	
17	Q	116	
18	R	101	
19	S	112	
20	T	92	
21	U	100	
22	V	188	
23	W	76	
24	X	88	
25	Y	62	
26	Z	59	
27	1	30	
28	2	52	
29	3	44	
30	4	48	
31	5	63	

## 2 Entry composition

There are 32 unique types of molecules in this entry. The entry contains 89771 atoms, of which 0 are hydrogen and 0 are deuterium.

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	A	2760	Total	C	N	O	P	0	0	0
			59442	26456	11114	19113	2759			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1142	U	C	SEE REMARK 999	GB AE017221.1
A	2825	U	G	SEE REMARK 999	GB AE017221.1

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	119	Total	C	N	O	P	0	0	0
			2551	1136	471	826	118			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C	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	D	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	E	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	F	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	G	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	H	145	Total	C	N	O	S	0	0	0
			1133	724	200	208	1			

- Molecule 9 is a protein called 50S ribosomal protein L10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	I	32	Total	C	N	O	0	0	0
			254	157	49	48			

- Molecule 10 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	J	137	Total	C	N	O	S	0	0	0
			1097	707	205	182	3			

- Molecule 11 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	K	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			

- Molecule 12 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	L	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			

- Molecule 13 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	M	136	Total	C	N	O	S	0	0	0
			1079	688	204	182	5			

- Molecule 14 is a protein called 50S ribosomal protein L17.

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

- Molecule 15 is a protein called 50S ribosomal protein L18.

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

- Molecule 16 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	P	137	Total	C	N	O	S	0	0	0
			1144	713	234	196	1			

- Molecule 17 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	Q	116	Total	C	N	O	S	0	0	0
			953	601	201	150	1			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
Q	?	-	PHE	DELETION	UNP Q72L76

- Molecule 18 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	R	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

- Molecule 19 is a protein called 50S ribosomal protein L22.

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

- Molecule 20 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	T	92	Total	C	N	O		0	0	0
			726	471	131	124				

- Molecule 21 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	U	100	Total	C	N	O	S	0	0	0
			776	500	148	124	4			

- Molecule 22 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	V	188	Total	C	N	O	S	0	0	0
			1492	950	265	275	2			

- Molecule 23 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	W	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			

- Molecule 24 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	X	88	Total	C	N	O		0	0	0
			695	435	141	119				

- Molecule 25 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	Y	62	Total	C	N	O	S	0	0	0
			521	325	102	92	2			

- Molecule 26 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	Z	59	Total	C	N	O	S	0	0	0
			468	298	90	79	1			

- Molecule 27 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	1	30	Total	C	N	O	S	0	0	0
			226	142	36	44	4			

- Molecule 28 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	2	52	Total	C	N	O	S	0	0	0
			405	255	79	66	5			

- Molecule 29 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	3	44	Total	C	N	O	S	0	0	0
			381	235	77	65	4			

- Molecule 30 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	4	48	Total	C	N	O	S	0	0	0
			419	257	104	56	2			

- Molecule 31 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	5	63	Total	C	N	O	S	0	0	0
			508	326	101	79	2			

- Molecule 32 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	P	12	Total	Mg	0	0
			12	12		
32	K	12	Total	Mg	0	0
			12	12		
32	B	43	Total	Mg	0	0
			43	43		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	6	330	Total 330	Mg 330	0	0
32	W	1	Total 1	Mg 1	0	0
32	N	1	Total 1	Mg 1	0	0
32	X	3	Total 3	Mg 3	0	0
32	2	3	Total 3	Mg 3	0	0
32	S	2	Total 2	Mg 2	0	0
32	J	6	Total 6	Mg 6	0	0
32	E	3	Total 3	Mg 3	0	0
32	V	4	Total 4	Mg 4	0	0
32	A	1038	Total 1038	Mg 1038	0	0
32	5	1	Total 1	Mg 1	0	0
32	M	1	Total 1	Mg 1	0	0
32	1	1	Total 1	Mg 1	0	0
32	D	6	Total 6	Mg 6	0	0
32	I	1	Total 1	Mg 1	0	0
32	4	3	Total 3	Mg 3	0	0
32	U	1	Total 1	Mg 1	0	0
32	L	3	Total 3	Mg 3	0	0
32	G	3	Total 3	Mg 3	0	0
32	Q	2	Total 2	Mg 2	0	0
32	C	8	Total 8	Mg 8	0	0

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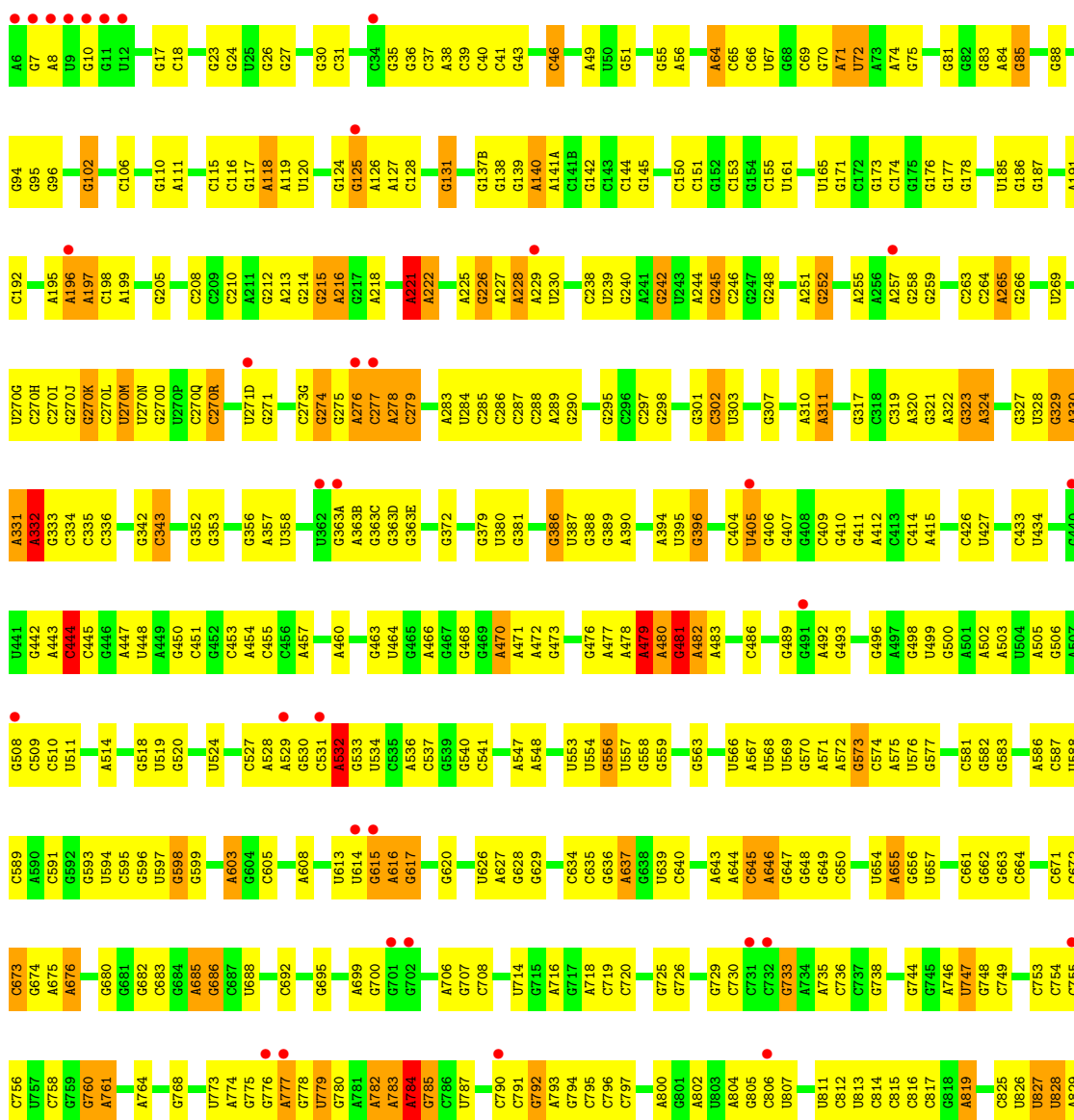
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	O	1	Total 1	Mg 1	0	0
32	Y	2	Total 2	Mg 2	0	0
32	F	4	Total 4	Mg 4	0	0

### 3 Residue-property plots

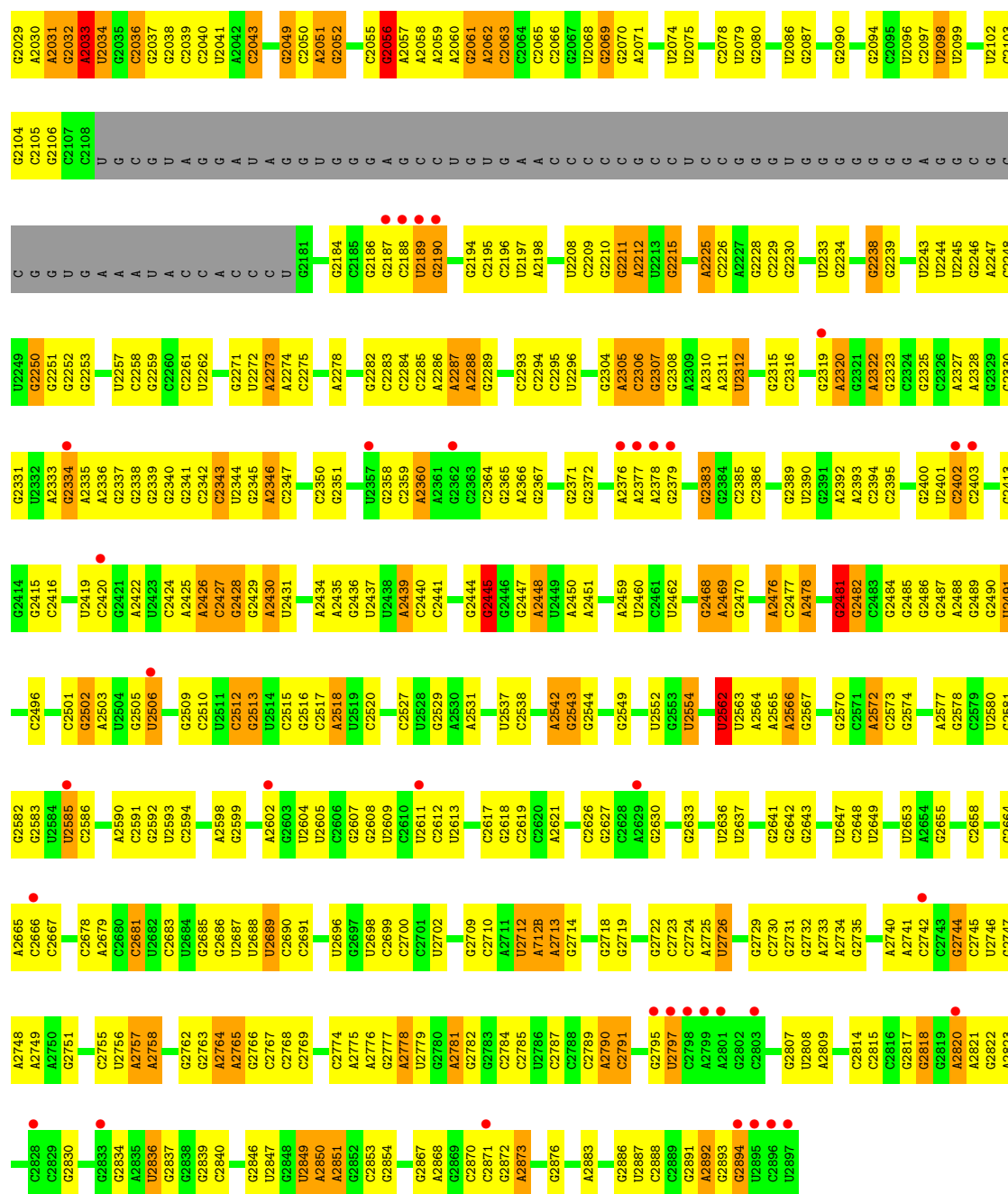
These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according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

#### • Molecule 1: 23S ribosomal RNA

Chain A: 

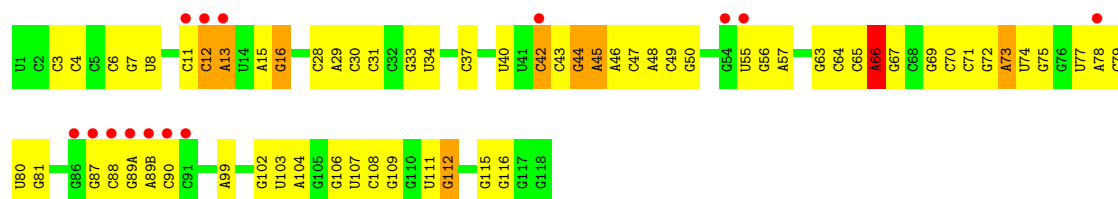


A1938	A1829	G1833	A1545	G1385	A1308	A1214	G1136	G	U913	G830
U1939	C1830	A1634	A1546	C1386	G1309	G1215	G1137	C	C914	G831
	G1831	C1741	C1548	G1387	G1310	C1218	G1138	U	G915	G832
U1951	C1742	U1639	G1461	G1388	G1311	G1219	G1139	U	G916	U833
A1952	G1743	G1639	C1463	G1389	U1312	A1220	C1140	A	A917	C834
A1953	U1834	A1641	C1464	U1390	U1313	C1221	U1141	G	A918	A835
G1954	G1642	G1643	G1465	U1391	C1314	C1222	U1142	A	G919	G836
U1955		G1646	G1466		C1315		A1143	A	G920	C837
U1956		G1467		A1395	C1316	G1225	A1144	G	G921	C838
				U1396	A1317	G1226	G1144	C	C924	U839
C1961	A1847	G1648	G1478	U1397	C1318	G1227		A	C925	C940
C1962	A1848	G1649	G1479	G1399	G1324	G1228	C1153	G		A841
U1963	G1760	A1852	G1483	G1400	G1325	G1229	G1154	C		G842
	C1761	G1653	G1484	G1401	U1326	G1230	A1155	C	G929	G843
G1850	A1762	A1654	G1485	C1402	C1327		A1156	A	U930	C946
U1851	G1763	A1655	G1486	C1403	G1328	G1232	G1157	U	G931	A1001
C1852	G1764	C1656	G1487	C1404	U1329	C1233		U	G932	U847
		G1657	G1488	U1405	G1330		C1161	C	A933	G848
G1855	A1773	C1658	U1489	U1406	C1331	G1239	G1162	U	G938	A849
			A1490	C1407	A1332	U1240	G1163	U	C939	C850
G1858	G1776	A1668	U1491	C1408	G1333	U1241	G1164	U		U851
C1862	U1777	A1669	C1581		C1334	A1242	U1165	A	G940	G856
G1863	U1778	C1582	C1583	C1411	U1335		C1166	A	A941	C956
		C1585	A1494	A1412	U1336	G1248	U1167	G	G942	C957
A1871	A1764	G1673	A1495	A1413	U1337	U1249	G1170	A	U943	U858
A1872	G1765	C1674	A1496	G1414	G1337	G1250	G1171	G	A945	G859
C1983	A1796	U1676	G1497	G1415		G1251	G1172	U	U946	U860
G1984	G1797	C1677	U1498	G1416	U1341	C1252	A1174	C	G947	G861
		U1678	G1499	G1417	A1342	A1253	U1175	G	G948	G862
	C1790	G1678	C1502	G1418	G1344	U1254	G1176	U	C949	A863
	A1791	U1679	U1503	G1419	C1345	U1255	A1177	A	G950	
G1887	G1792	U1680	C1504	U1420	C1346	G1256	C1178	A	C951	A866
G1888	U1794	G1681	C1505	G1421	G1347	C1257	C1179	A		U867
A1889	C1795	C1682	C1506	U1422	A1348		C1180	U	G954	U868
G1899	U1796	G1683	C1507	A1427	U1349	G1264		A	C955	G869
A1901	G1797	C1684	A1509	C1428	U1352	A1265	G1183	G	G956	A870
G1902	U1798	U1688	A1510	G1429	A1353	G1266	G1184	C	A957	U871
G1903	C1800	A1689	A1511	C1430	U1354	U1267	C1185	U		A872
	G1801			U1431	A1355		G1186	C	U958	
G1906	U1692	U1693	U1516	C1432	G1356	C1270	G1187	A	G1023	C885
	C1803	C1694	G1517	U1433	U1357	G1271	U1188	G	U1024	C886
A1913	G1695	C1695	G1518	G1435	G1358	A1272	A1189	A	G1025	G962
U1914	G1696	G1696	G1519	G1436	A1359	U1273	G1190	G	U1026	A887
U1915	A1809	G1697	G1526	C1437	A1360	A1274	G1191	A	A1027	C888
A1916	A1810	A1698	G1527	U1438	G1361	A1275		G	A1028	C889
U1917	G1811	A1699	A1528			U1276	U1198	A	G1029	A890
A1918	A1812	C1611	A1529	G1444	A1365		U1199	G	A1046	
A1919	G1813	C1612		A1448	U1365	A1284	G1200	G	G1047	A896
C1920		A1613	C1532	C1445	G1368	G1285	C1201	A	A1050	C897
	G1816	A1614		C1446	G1369			G	A1051	C898
U1926	C1710	C1615	A1536	G1447	A1373	C1289	G1122	A	G1052	C903
	U1817	G1616	C1537	G1448	G1374	C1290	G1123	G	C970	C904
G1929	U1818	C1617	G1538	A1498		C1291	A1126	A	A972	
C2021	U1820	A1618	G1539	G1449	A1378	U1292	A1127	G	G1056	U907
U2022		G1619	G1540	U1541	A1379	C1293	A1128	G	A	C908
G2023	G1824	G1620	U1541	C1451	U1380		A1129	G	G	U909
G2024	A1825		G1542	C1452	G1381	U1300	U1211	U	C974B	A897
C2025	A1826	A1729	A1543	U1453	A1384	A1301	G1212	U	G975	A910
G2026	C1827		A1544	G1455				G	G979	A911
C2027	G1733						C1135	G		C912



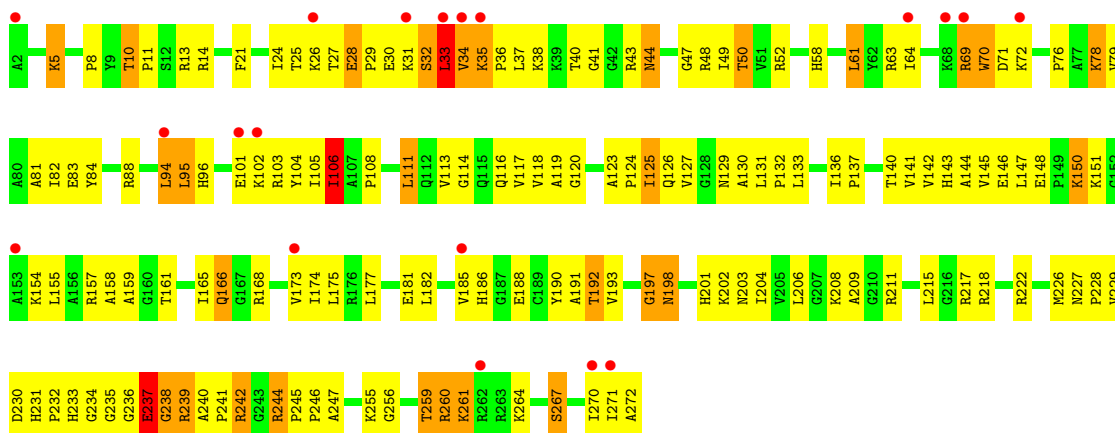
• Molecule 2: 5S ribosomal RNA

Chain B:



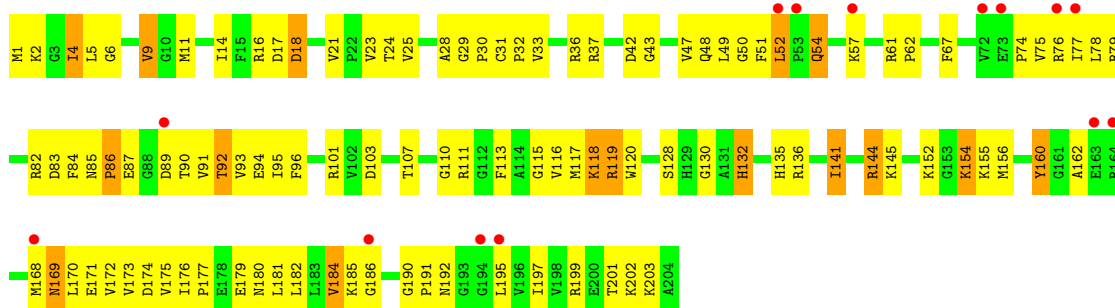
• Molecule 3: 50S ribosomal protein L2

Chain C:



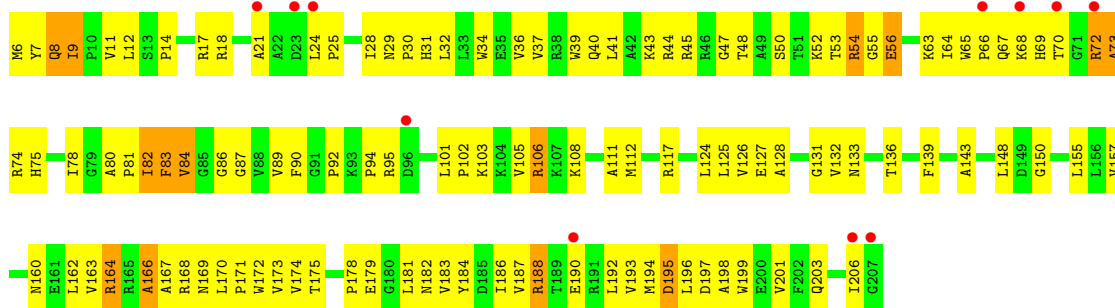
• Molecule 4: 50S ribosomal protein L3

Chain D:



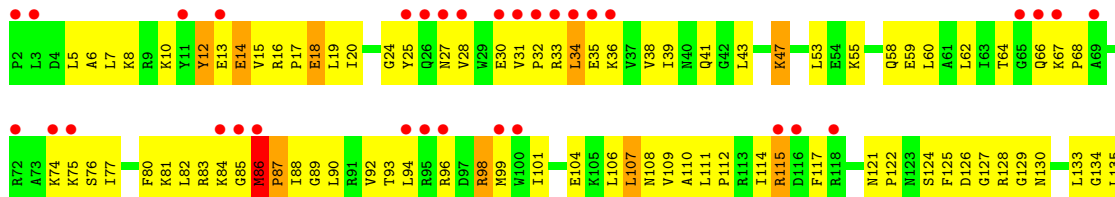
• Molecule 5: 50S ribosomal protein L4

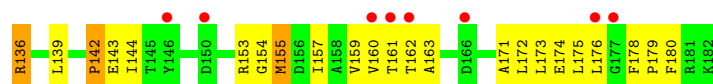
Chain E:



• Molecule 6: 50S ribosomal protein L5

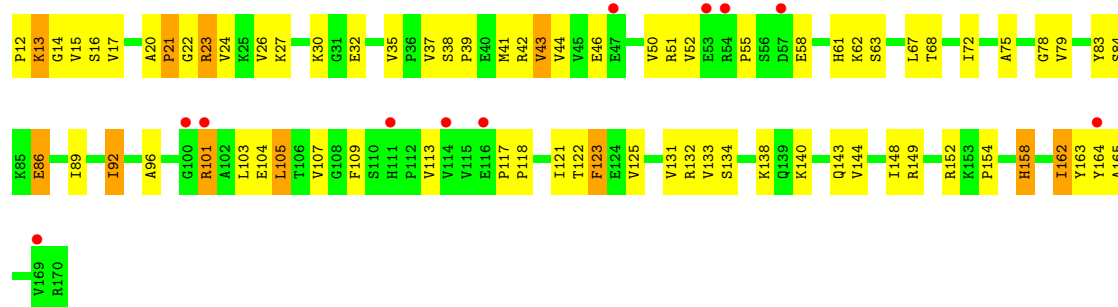
Chain F:





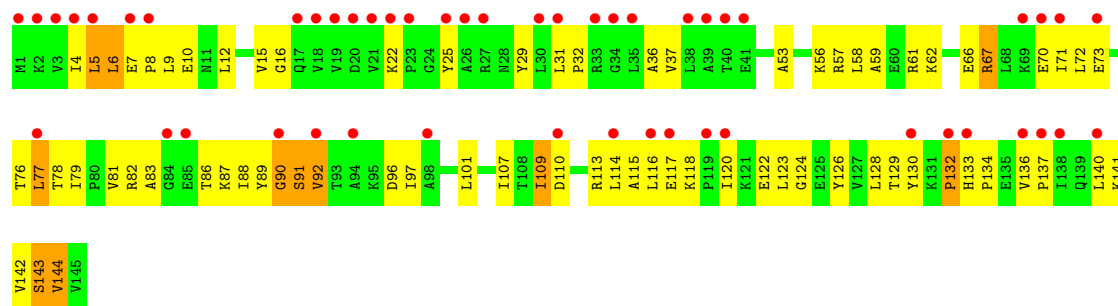
- Molecule 7: 50S ribosomal protein L6

Chain G:



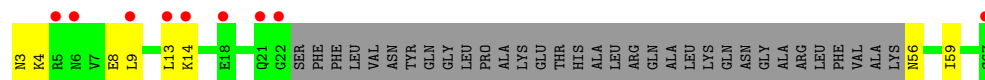
- Molecule 8: 50S ribosomal protein L9

Chain H:



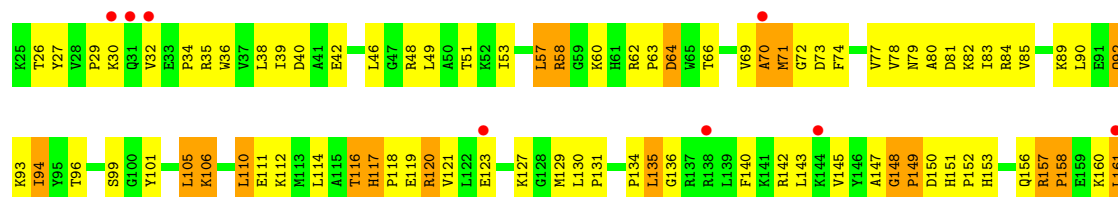
- Molecule 9: 50S ribosomal protein L10

Chain I:



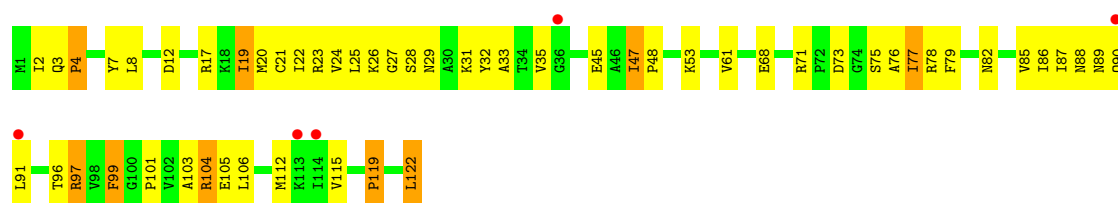
- Molecule 10: 50S ribosomal protein L13

Chain J:



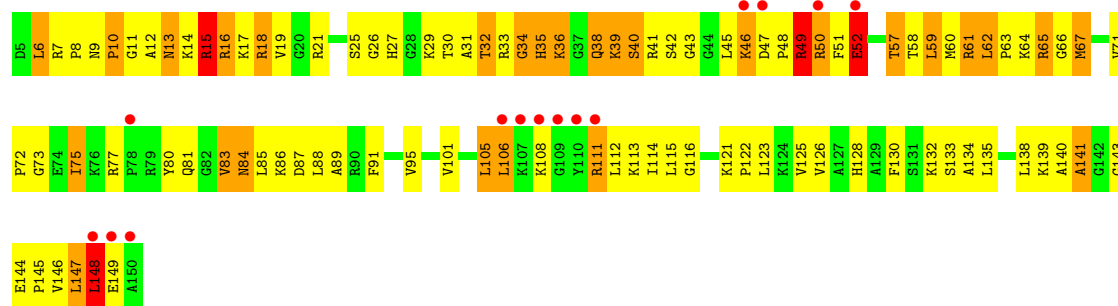
- Molecule 11: 50S ribosomal protein L14

Chain K:



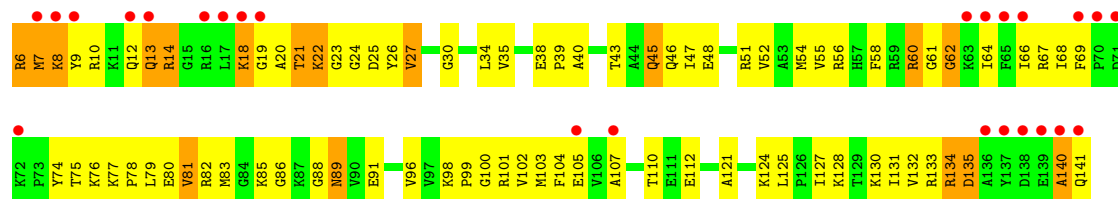
• Molecule 12: 50S ribosomal protein L15

Chain L:



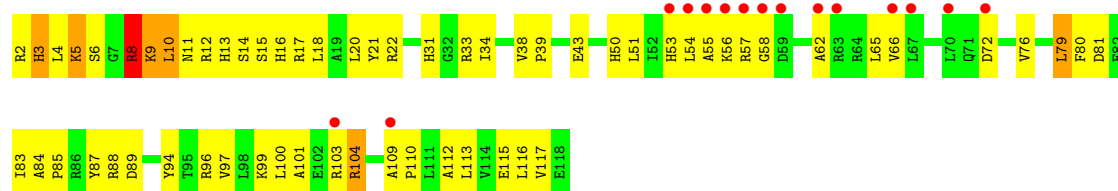
• Molecule 13: 50S ribosomal protein L16

Chain M:



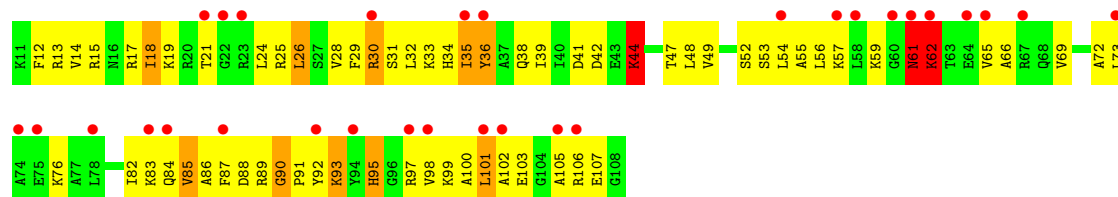
• Molecule 14: 50S ribosomal protein L17

Chain N:



• Molecule 15: 50S ribosomal protein L18

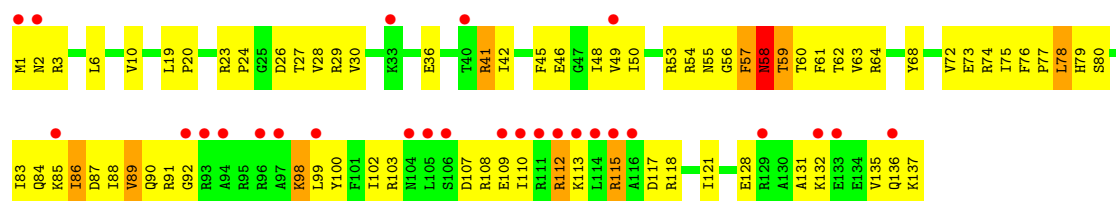
Chain O:



• Molecule 16: 50S ribosomal protein L19

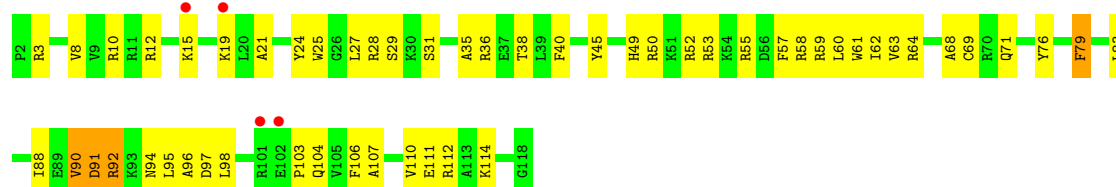


Chain P: 



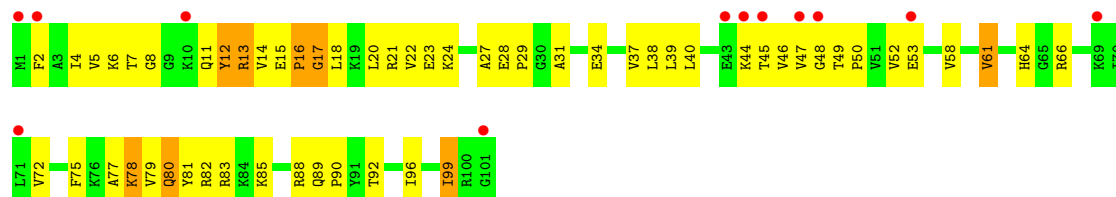
- Molecule 17: 50S ribosomal protein L20

Chain Q: 



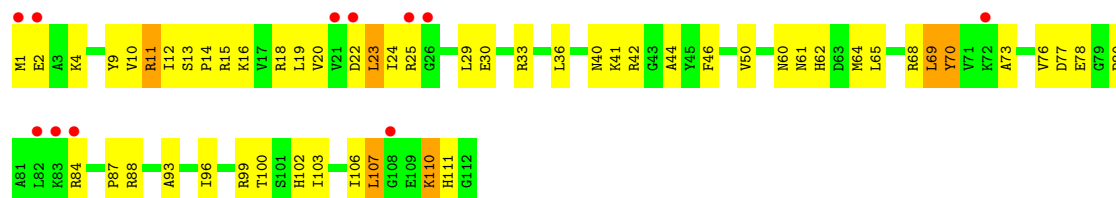
- Molecule 18: 50S ribosomal protein L21

Chain R: 



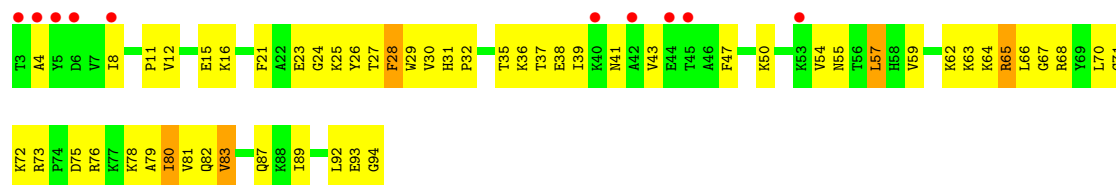
- Molecule 19: 50S ribosomal protein L22

Chain S: 



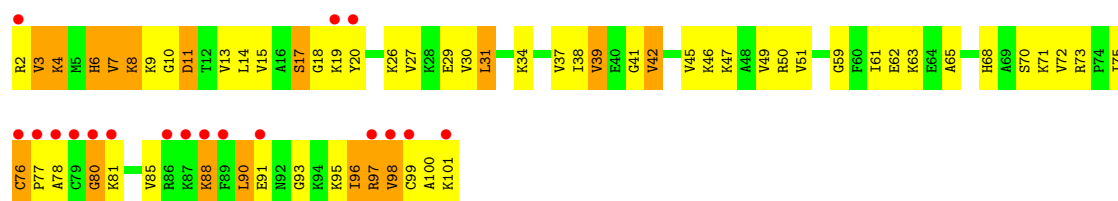
- Molecule 20: 50S ribosomal protein L23

Chain T: 



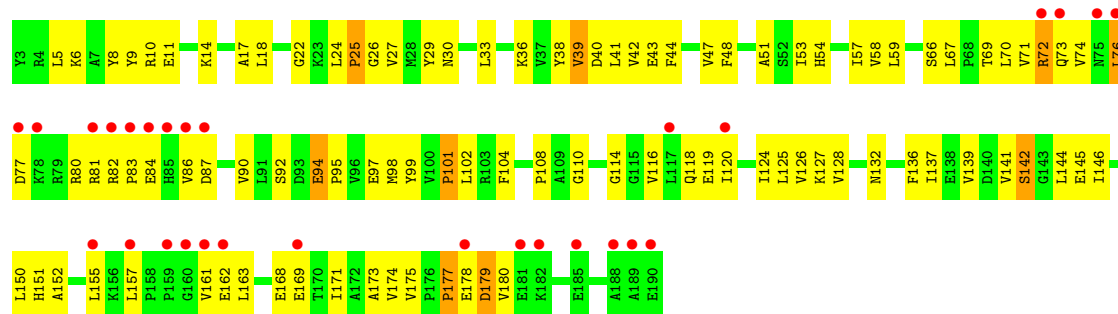
- Molecule 21: 50S ribosomal protein L24

Chain U: 



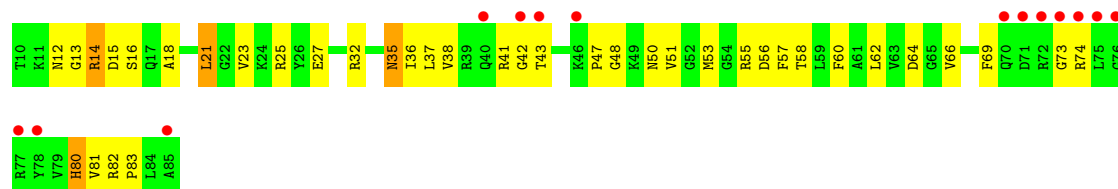
• Molecule 22: 50S ribosomal protein L25

Chain V:



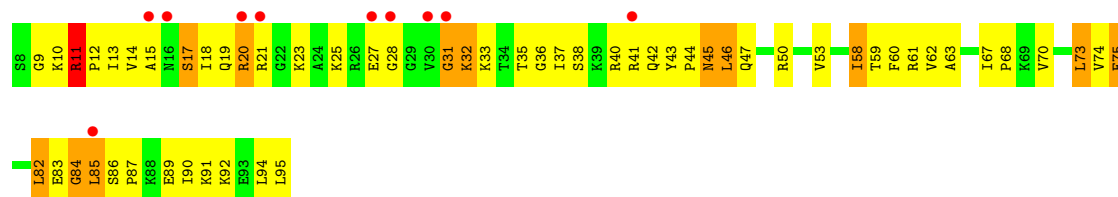
• Molecule 23: 50S ribosomal protein L27

Chain W:



• Molecule 24: 50S ribosomal protein L28

Chain X:



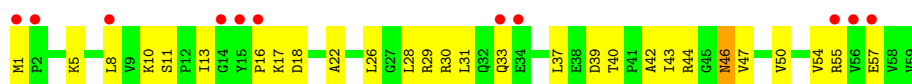
• Molecule 25: 50S ribosomal protein L29

Chain Y:



• Molecule 26: 50S ribosomal protein L30

Chain Z:



- Molecule 27: 50S ribosomal protein L31

Chain 1:



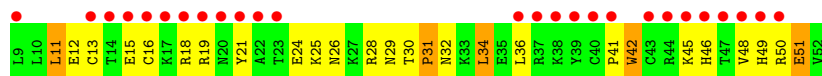
- Molecule 28: 50S ribosomal protein L32

Chain 2:



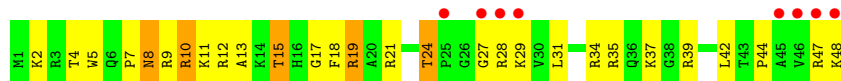
- Molecule 29: 50S ribosomal protein L33

Chain 3:



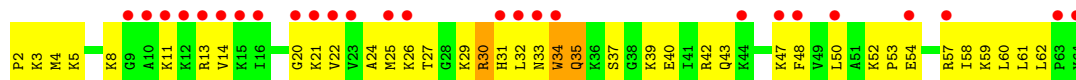
- Molecule 30: 50S ribosomal protein L34

Chain 4:



- Molecule 31: 50S ribosomal protein L35

Chain 5:



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	211.94Å 455.59Å 618.02Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	50.00 – 3.50 60.01 – 3.49	Depositor EDS
% Data completeness (in resolution range)	99.9 (50.00-3.50) 99.6 (60.01-3.49)	Depositor EDS
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.61 (at 3.49Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.5_2)	Depositor
R, $R_{free}$	0.233 , 0.264 0.429 , 0.427	Depositor DCC
$R_{free}$ test set	7390 reflections (0.99%)	DCC
Wilson B-factor (Å <sup>2</sup> )	106.2	Xtriage
Anisotropy	0.163	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.23 , 46.2	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning	$\langle  L  \rangle = 0.38$ , $\langle L^2 \rangle = 0.21$	Xtriage
Outliers	1 of 746568 reflections (0.000%)	Xtriage
$F_o, F_c$ correlation	0.66	EDS
Total number of atoms	89771	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	101.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.63% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

## 5 Model quality

### 5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: 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	A	0.54	0/66575	1.04	119/103930 (0.1%)
2	B	0.44	0/2853	0.93	2/4451 (0.0%)
3	C	0.34	0/2155	0.52	0/2905
4	D	0.27	0/1597	0.48	0/2153
5	E	0.31	0/1622	0.47	0/2194
6	F	0.23	0/1500	0.42	0/2017
7	G	0.24	0/1246	0.43	0/1682
8	H	0.31	0/1148	0.47	0/1552
9	I	0.22	0/252	0.38	0/333
10	J	0.27	0/1124	0.47	0/1515
11	K	0.28	0/942	0.49	0/1268
12	L	0.32	0/1131	0.57	0/1504
13	M	0.30	0/1099	0.50	0/1468
14	N	0.27	0/974	0.45	0/1302
15	O	0.24	0/779	0.42	0/1036
16	P	0.27	0/1158	0.44	0/1544
17	Q	0.31	0/970	0.47	0/1290
18	R	0.29	0/790	0.46	0/1057
19	S	0.30	0/902	0.50	0/1209
20	T	0.33	0/740	0.50	0/993
21	U	0.26	0/789	0.45	0/1051
22	V	0.23	0/1524	0.45	0/2068
23	W	0.27	0/613	0.43	0/816
24	X	0.31	0/702	0.57	0/932
25	Y	0.31	0/523	0.54	0/690
26	Z	0.24	0/473	0.41	0/634
27	1	0.20	0/229	0.38	0/309
28	2	0.28	0/419	0.51	0/567
29	3	0.21	0/388	0.40	0/518
30	4	0.38	0/427	0.53	0/561
31	5	0.32	0/516	0.51	0/679
All	All	0.48	0/96160	0.93	121/144228 (0.1%)

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
6	F	0	1
12	L	0	1
All	All	0	2

There are no bond length outliers.

The worst 5 of 121 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	676	A	C1'-O4'-C4'	-9.79	102.07	109.90
1	A	1786	A	C1'-O4'-C4'	-9.78	102.07	109.90
1	A	945	A	C1'-O4'-C4'	-9.73	102.11	109.90
1	A	945	A	O4'-C1'-N9	9.13	115.50	108.20
1	A	2818	G	C1'-O4'-C4'	-9.09	102.63	109.90

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
6	F	75	LYS	Peptide
12	L	52	GLU	Peptide

## 5.2 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 hydrogens added by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, and the number in parentheses is this value normalized per 1000 atoms of the molecule in the chain. The Symm-Clashes column gives symmetry related clashes, in the same way as for the Clashes column.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	59442	0	29966	1293	0
2	B	2551	0	1295	53	0
3	C	2105	0	2182	212	0
4	D	1564	0	1629	112	0
5	E	1587	0	1632	106	0
6	F	1475	0	1537	109	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
7	G	1223	0	1282	66	0
8	H	1133	0	1220	80	0
9	I	254	0	275	8	0
10	J	1097	0	1168	83	0
11	K	932	0	994	55	0
12	L	1114	0	1187	169	0
13	M	1079	0	1127	99	0
14	N	960	0	1021	71	0
15	O	771	0	832	70	0
16	P	1144	0	1211	70	0
17	Q	953	0	1013	71	0
18	R	779	0	852	73	0
19	S	891	0	951	52	0
20	T	726	0	778	59	0
21	U	776	0	870	76	0
22	V	1492	0	1513	92	0
23	W	605	0	628	38	0
24	X	695	0	764	68	0
25	Y	521	0	575	45	0
26	Z	468	0	523	24	0
27	1	226	0	225	17	0
28	2	405	0	420	29	0
29	3	381	0	391	26	0
30	4	419	0	467	32	0
31	5	508	0	576	55	0
32	1	1	0	0	0	0
32	2	3	0	0	0	0
32	4	3	0	0	0	0
32	5	1	0	0	0	0
32	6	330	0	0	0	0
32	A	1038	0	0	0	0
32	B	43	0	0	0	0
32	C	8	0	0	0	0
32	D	6	0	0	0	0
32	E	3	0	0	0	0
32	F	4	0	0	0	0
32	G	3	0	0	0	0
32	I	1	0	0	0	0
32	J	6	0	0	0	0
32	K	12	0	0	0	0
32	L	3	0	0	0	0
32	M	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
32	N	1	0	0	0	0
32	O	1	0	0	0	0
32	P	12	0	0	0	0
32	Q	2	0	0	0	0
32	S	2	0	0	0	0
32	U	1	0	0	0	0
32	V	4	0	0	0	0
32	W	1	0	0	0	0
32	X	3	0	0	0	0
32	Y	2	0	0	0	0
All	All	89771	0	59104	3032	0

Clashscore is defined as the number of clashes calculated for the entry per 1000 atoms (including hydrogens) of the entry. The overall clashscore for this entry is 20.

The worst 5 of 3032 close contacts within the same asymmetric unit are listed below.

Atom-1	Atom-2	Distance(Å)	Clash(Å)
1:A:2015:A:H1'	28:2:2:ALA:HA	1.33	1.08
12:L:33:ARG:HG3	12:L:36:LYS:HD3	1.33	1.08
12:L:49:ARG:HG2	12:L:50:ARG:H	1.18	1.06
12:L:128:HIS:HA	12:L:147:LEU:HB3	1.30	1.06
23:W:23:VAL:HA	23:W:38:VAL:HG22	1.37	1.03

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	C	269/271 (99%)	218 (81%)	33 (12%)	18 (7%)	2	28
4	D	202/204 (99%)	167 (83%)	29 (14%)	6 (3%)	7	53
5	E	200/202 (99%)	165 (82%)	28 (14%)	7 (4%)	6	50
6	F	179/181 (99%)	133 (74%)	37 (21%)	9 (5%)	3	37

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
7	G	157/159 (99%)	125 (80%)	28 (18%)	4 (2%)	9	57
8	H	143/145 (99%)	109 (76%)	28 (20%)	6 (4%)	4	43
9	I	28/65 (43%)	27 (96%)	1 (4%)	0	100	100
10	J	135/137 (98%)	108 (80%)	19 (14%)	8 (6%)	2	32
11	K	120/122 (98%)	107 (89%)	6 (5%)	7 (6%)	3	32
12	L	144/146 (99%)	92 (64%)	37 (26%)	15 (10%)	1	14
13	M	134/136 (98%)	97 (72%)	24 (18%)	13 (10%)	1	16
14	N	115/117 (98%)	97 (84%)	14 (12%)	4 (4%)	6	50
15	O	96/98 (98%)	65 (68%)	18 (19%)	13 (14%)	0	8
16	P	135/137 (98%)	99 (73%)	30 (22%)	6 (4%)	4	41
17	Q	114/116 (98%)	99 (87%)	13 (11%)	2 (2%)	13	65
18	R	99/101 (98%)	71 (72%)	19 (19%)	9 (9%)	1	18
19	S	110/112 (98%)	94 (86%)	14 (13%)	2 (2%)	13	65
20	T	90/92 (98%)	82 (91%)	7 (8%)	1 (1%)	21	77
21	U	98/100 (98%)	63 (64%)	23 (24%)	12 (12%)	1	11
22	V	186/188 (99%)	140 (75%)	36 (19%)	10 (5%)	3	35
23	W	74/76 (97%)	57 (77%)	14 (19%)	3 (4%)	4	44
24	X	86/88 (98%)	57 (66%)	20 (23%)	9 (10%)	1	14
25	Y	60/62 (97%)	49 (82%)	8 (13%)	3 (5%)	3	37
26	Z	57/59 (97%)	51 (90%)	5 (9%)	1 (2%)	13	65
27	1	28/30 (93%)	15 (54%)	10 (36%)	3 (11%)	1	13
28	2	50/52 (96%)	40 (80%)	6 (12%)	4 (8%)	1	21
29	3	42/44 (96%)	35 (83%)	2 (5%)	5 (12%)	1	11
30	4	46/48 (96%)	41 (89%)	5 (11%)	0	100	100
31	5	61/63 (97%)	44 (72%)	13 (21%)	4 (7%)	2	28
All	All	3258/3351 (97%)	2547 (78%)	527 (16%)	184 (6%)	3	34

5 of 184 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	C	26	LYS
3	C	33	LEU
3	C	35	LYS

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Mol	Chain	Res	Type
3	C	237	GLU
3	C	239	ARG

### 5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution. The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	C	213/213 (100%)	192 (90%)	21 (10%)	11	49
4	D	165/165 (100%)	149 (90%)	16 (10%)	12	50
5	E	161/161 (100%)	147 (91%)	14 (9%)	15	57
6	F	155/155 (100%)	144 (93%)	11 (7%)	21	67
7	G	132/132 (100%)	123 (93%)	9 (7%)	22	70
8	H	122/122 (100%)	115 (94%)	7 (6%)	29	76
9	I	27/53 (51%)	26 (96%)	1 (4%)	45	86
10	J	116/116 (100%)	103 (89%)	13 (11%)	9	41
11	K	100/100 (100%)	92 (92%)	8 (8%)	17	61
12	L	112/112 (100%)	87 (78%)	25 (22%)	1	8
13	M	106/106 (100%)	98 (92%)	8 (8%)	19	65
14	N	100/100 (100%)	94 (94%)	6 (6%)	27	74
15	O	77/77 (100%)	68 (88%)	9 (12%)	8	38
16	P	121/121 (100%)	110 (91%)	11 (9%)	14	54
17	Q	92/92 (100%)	88 (96%)	4 (4%)	40	84
18	R	82/82 (100%)	77 (94%)	5 (6%)	26	73
19	S	91/91 (100%)	85 (93%)	6 (7%)	24	71
20	T	74/74 (100%)	67 (90%)	7 (10%)	12	51
21	U	84/84 (100%)	78 (93%)	6 (7%)	21	67
22	V	163/163 (100%)	159 (98%)	4 (2%)	60	91
23	W	61/61 (100%)	55 (90%)	6 (10%)	12	50
24	X	73/73 (100%)	61 (84%)	12 (16%)	3	20
25	Y	58/58 (100%)	51 (88%)	7 (12%)	7	36

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
26	Z	51/51 (100%)	49 (96%)	2 (4%)	43 85
27	1	27/27 (100%)	24 (89%)	3 (11%)	9 42
28	2	45/45 (100%)	43 (96%)	2 (4%)	39 83
29	3	43/43 (100%)	39 (91%)	4 (9%)	13 53
30	4	41/41 (100%)	34 (83%)	7 (17%)	3 18
31	5	53/53 (100%)	51 (96%)	2 (4%)	44 85
All	All	2745/2771 (99%)	2509 (91%)	236 (9%)	15 58

5 of 236 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
12	L	38	GLN
13	M	135	ASP
27	1	46	ASN
12	L	49	ARG
12	L	84	ASN

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 84 such sidechains are listed below:

Mol	Chain	Res	Type
12	L	38	GLN
15	O	61	ASN
27	1	46	ASN
13	M	13	GLN
14	N	13	HIS

### 5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A	2757/2879 (95%)	407 (14%)	70 (2%)
2	B	118/119 (99%)	16 (13%)	1 (0%)
All	All	2875/2998 (95%)	423 (14%)	71 (2%)

5 of 423 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	A	10	G
1	A	35	G

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Mol	Chain	Res	Type
1	A	46	C
1	A	64	A
1	A	71	A

5 of 71 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	A	1253	A
1	A	1494	A
1	A	2689	U
1	A	1311	G
1	A	1378	A

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

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

## 5.5 Carbohydrates ⓘ

There are no carbohydrates in this entry.

## 5.6 Ligand geometry ⓘ

Of 1495 ligands modelled in this entry, 1495 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

## 5.7 Other polymers ⓘ

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, 95<sup>th</sup> 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 <sup>2</sup> )	Q<0.9
1	A	2760/2879 (95%)	0.03	112 (4%) 35 15	33, 77, 196, 377	0
2	B	119/119 (100%)	0.53	14 (11%) 5 4	87, 132, 198, 274	0
3	C	271/271 (100%)	0.42	19 (7%) 16 7	26, 72, 144, 220	0
4	D	204/204 (100%)	0.39	14 (6%) 17 7	36, 90, 189, 305	0
5	E	202/202 (100%)	0.35	11 (5%) 25 10	20, 85, 182, 249	0
6	F	181/181 (100%)	1.07	41 (22%) 1 2	109, 198, 281, 324	0
7	G	159/159 (100%)	0.48	11 (6%) 17 7	61, 117, 190, 269	0
8	H	145/145 (100%)	1.52	50 (34%) 1 1	60, 210, 372, 482	0
9	I	32/65 (49%)	1.66	9 (28%) 1 1	176, 235, 294, 325	0
10	J	137/137 (100%)	0.70	8 (5%) 22 9	55, 101, 170, 219	0
11	K	122/122 (100%)	0.35	5 (4%) 35 15	41, 90, 153, 251	0
12	L	146/146 (100%)	0.68	14 (9%) 8 5	27, 111, 207, 324	0
13	M	136/136 (100%)	0.88	25 (18%) 2 2	46, 106, 199, 388	0
14	N	117/117 (100%)	0.68	15 (12%) 4 3	41, 89, 173, 285	0
15	O	98/98 (100%)	1.41	30 (30%) 1 1	80, 148, 221, 299	0
16	P	137/137 (100%)	0.94	27 (19%) 2 2	60, 119, 249, 299	0
17	Q	116/116 (100%)	0.14	4 (3%) 43 19	34, 84, 154, 205	0
18	R	101/101 (100%)	0.65	12 (11%) 5 4	52, 132, 197, 321	0
19	S	112/112 (100%)	0.80	11 (9%) 8 5	40, 72, 166, 277	0
20	T	92/92 (100%)	0.66	10 (10%) 6 4	41, 78, 161, 204	0
21	U	100/100 (100%)	1.00	18 (18%) 2 2	49, 119, 264, 373	0
22	V	188/188 (100%)	0.70	29 (15%) 3 3	67, 154, 220, 254	0
23	W	76/76 (100%)	0.80	14 (18%) 2 2	54, 101, 167, 254	0
24	X	88/88 (100%)	0.72	10 (11%) 6 4	31, 83, 196, 340	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
25	Y	62/62 (100%)	0.83	10 (16%) 2 2	45, 99, 224, 304	0
26	Z	59/59 (100%)	0.89	11 (18%) 2 2	45, 102, 189, 335	0
27	1	30/30 (100%)	0.77	2 (6%) 17 8	187, 262, 306, 326	0
28	2	52/52 (100%)	0.07	2 (3%) 38 17	24, 93, 214, 262	0
29	3	44/44 (100%)	3.30	26 (59%) 0 1	191, 247, 298, 313	0
30	4	48/48 (100%)	0.69	8 (16%) 2 2	23, 45, 122, 217	0
31	5	63/63 (100%)	1.50	26 (41%) 1 1	43, 92, 170, 209	0
All	All	6197/6349 (97%)	0.43	598 (9%) 9 5	20, 91, 234, 482	0

The worst 5 of 598 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	10	G	14.5
29	3	47	THR	10.9
26	Z	1	MET	9.6
12	L	150	ALA	9.2
1	A	11	G	8.9

## 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 carbohydrates 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. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95<sup>th</sup> 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	RSR	LLDF	B-factors(Å <sup>2</sup> )	Q<0.9
32	MG	A	3494	1/1	0.38	-	124,124,124,124	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	S	325	1/1	1.22	-	98,98,98,98	0
32	MG	A	3026	1/1	0.59	-	80,80,80,80	0
32	MG	A	3416	1/1	0.14	-	101,101,101,101	0
32	MG	A	3369	1/1	0.13	-	78,78,78,78	0
32	MG	A	3459	1/1	0.56	-	97,97,97,97	0
32	MG	A	3631	1/1	0.08	-	121,121,121,121	0
32	MG	A	3230	1/1	0.49	-	69,69,69,69	0
32	MG	A	3062	1/1	0.18	-	50,50,50,50	0
32	MG	A	3760	1/1	0.37	-	84,84,84,84	0
32	MG	A	3347	1/1	1.26	-	89,89,89,89	0
32	MG	6	992	1/1	0.21	-	98,98,98,98	0
32	MG	A	3563	1/1	0.11	-	82,82,82,82	0
32	MG	A	3606	1/1	0.39	-	96,96,96,96	0
32	MG	G	597	1/1	0.20	-	108,108,108,108	0
32	MG	6	593	1/1	0.40	-	121,121,121,121	0
32	MG	K	1243	1/1	0.50	-	86,86,86,86	0
32	MG	A	3254	1/1	0.66	-	138,138,138,138	0
32	MG	6	698	1/1	0.48	-	69,69,69,69	0
32	MG	A	3177	1/1	0.56	-	62,62,62,62	0
32	MG	6	351	1/1	2.82	-	158,158,158,158	0
32	MG	A	3267	1/1	0.34	-	86,86,86,86	0
32	MG	6	485	1/1	0.16	-	83,83,83,83	0
32	MG	A	3314	1/1	0.39	-	95,95,95,95	0
32	MG	A	3900	1/1	0.08	-	78,78,78,78	0
32	MG	P	1266	1/1	0.66	-	80,80,80,80	0
32	MG	A	3439	1/1	0.33	-	54,54,54,54	0
32	MG	A	367	1/1	0.91	-	71,71,71,71	0
32	MG	A	3663	1/1	0.18	-	26,26,26,26	0
32	MG	6	1082	1/1	0.45	-	93,93,93,93	0
32	MG	A	3098	1/1	0.37	-	50,50,50,50	0
32	MG	A	3456	1/1	0.65	-	74,74,74,74	0
32	MG	A	2911	1/1	0.17	-	12,12,12,12	0
32	MG	A	3818	1/1	0.52	-	109,109,109,109	0
32	MG	A	3109	1/1	0.32	-	50,50,50,50	0
32	MG	A	3867	1/1	0.43	-	120,120,120,120	0
32	MG	A	3097	1/1	0.16	-	69,69,69,69	0
32	MG	A	3871	1/1	0.19	-	77,77,77,77	0
32	MG	6	1086	1/1	0.66	-	64,64,64,64	0
32	MG	6	1112	1/1	1.09	-	96,96,96,96	0
32	MG	6	1395	1/1	0.37	-	137,137,137,137	0
32	MG	A	2935	1/1	0.62	-	25,25,25,25	0
32	MG	A	3478	1/1	0.43	-	104,104,104,104	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	1452	1/1	0.77	-	63,63,63,63	0
32	MG	A	3753	1/1	1.03	-	106,106,106,106	0
32	MG	A	3462	1/1	0.25	-	93,93,93,93	0
32	MG	A	3685	1/1	0.33	-	98,98,98,98	0
32	MG	A	3249	1/1	0.42	-	90,90,90,90	0
32	MG	A	3853	1/1	0.67	-	52,52,52,52	0
32	MG	A	3366	1/1	2.72	-	92,92,92,92	0
32	MG	A	3841	1/1	0.20	-	72,72,72,72	0
32	MG	B	122	1/1	0.14	-	56,56,56,56	0
32	MG	6	651	1/1	0.11	-	91,91,91,91	0
32	MG	6	522	1/1	1.16	-	113,113,113,113	0
32	MG	A	3493	1/1	0.09	-	119,119,119,119	0
32	MG	A	3813	1/1	0.19	-	67,67,67,67	0
32	MG	L	151	1/1	0.07	-	7,7,7,7	0
32	MG	A	3476	1/1	0.23	-	127,127,127,127	0
32	MG	A	3690	1/1	0.52	-	81,81,81,81	0
32	MG	A	3868	1/1	0.12	-	96,96,96,96	0
32	MG	A	3201	1/1	0.07	-	59,59,59,59	0
32	MG	A	2917	1/1	0.43	-	34,34,34,34	0
32	MG	6	582	1/1	0.21	-	89,89,89,89	0
32	MG	A	3574	1/1	0.93	-	148,148,148,148	0
32	MG	D	837	1/1	0.86	-	52,52,52,52	0
32	MG	B	825	1/1	1.23	-	95,95,95,95	0
32	MG	A	3517	1/1	1.18	-	70,70,70,70	0
32	MG	A	3671	1/1	0.62	-	54,54,54,54	0
32	MG	A	3535	1/1	0.28	-	73,73,73,73	0
32	MG	A	3148	1/1	0.38	-	42,42,42,42	0
32	MG	A	3736	1/1	0.20	-	75,75,75,75	0
32	MG	A	3377	1/1	0.21	-	49,49,49,49	0
32	MG	A	3354	1/1	0.18	-	83,83,83,83	0
32	MG	D	389	1/1	0.08	-	61,61,61,61	0
32	MG	A	3191	1/1	0.39	-	97,97,97,97	0
32	MG	A	3442	1/1	0.24	-	125,125,125,125	0
32	MG	6	523	1/1	0.34	-	140,140,140,140	0
32	MG	A	3687	1/1	0.84	-	75,75,75,75	0
32	MG	A	3214	1/1	0.81	-	86,86,86,86	0
32	MG	A	3081	1/1	0.21	-	46,46,46,46	0
32	MG	A	3450	1/1	0.20	-	73,73,73,73	0
32	MG	A	3104	1/1	0.26	-	66,66,66,66	0
32	MG	A	3726	1/1	0.28	-	56,56,56,56	0
32	MG	A	3858	1/1	0.31	-	79,79,79,79	0
32	MG	A	3512	1/1	0.69	-	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3695	1/1	0.50	-	69,69,69,69	0
32	MG	A	3261	1/1	0.27	-	82,82,82,82	0
32	MG	A	3595	1/1	0.28	-	96,96,96,96	0
32	MG	A	3434	1/1	0.33	-	89,89,89,89	0
32	MG	A	2899	1/1	0.45	-	17,17,17,17	0
32	MG	A	3114	1/1	0.43	-	36,36,36,36	0
32	MG	A	3499	1/1	0.52	-	99,99,99,99	0
32	MG	A	3453	1/1	0.67	-	81,81,81,81	0
32	MG	A	3806	1/1	0.35	-	74,74,74,74	0
32	MG	A	3213	1/1	0.56	-	55,55,55,55	0
32	MG	A	3160	1/1	0.37	-	56,56,56,56	0
32	MG	A	3382	1/1	0.23	-	76,76,76,76	0
32	MG	A	3754	1/1	0.49	-	88,88,88,88	0
32	MG	A	3842	1/1	0.12	-	70,70,70,70	0
32	MG	A	3700	1/1	0.23	-	92,92,92,92	0
32	MG	A	2910	1/1	0.31	-	25,25,25,25	0
32	MG	A	3431	1/1	1.15	-	94,94,94,94	0
32	MG	A	3607	1/1	0.35	-	51,51,51,51	0
32	MG	A	3070	1/1	0.43	-	120,120,120,120	0
32	MG	A	3482	1/1	0.27	-	81,81,81,81	0
32	MG	A	3298	1/1	0.45	-	83,83,83,83	0
32	MG	N	874	1/1	0.10	-	88,88,88,88	0
32	MG	6	530	1/1	0.22	-	106,106,106,106	0
32	MG	A	3391	1/1	0.55	-	102,102,102,102	0
32	MG	A	2919	1/1	0.16	-	18,18,18,18	0
32	MG	A	3758	1/1	0.33	-	60,60,60,60	0
32	MG	A	3569	1/1	0.18	-	91,91,91,91	0
32	MG	A	3429	1/1	0.27	-	79,79,79,79	0
32	MG	A	3811	1/1	0.73	-	81,81,81,81	0
32	MG	A	3164	1/1	0.55	-	73,73,73,73	0
32	MG	A	3621	1/1	0.51	-	64,64,64,64	0
32	MG	B	396	1/1	0.13	-	92,92,92,92	0
32	MG	A	3501	1/1	0.28	-	59,59,59,59	0
32	MG	6	767	1/1	0.32	-	79,79,79,79	0
32	MG	6	1492	1/1	0.13	-	119,119,119,119	0
32	MG	A	3635	1/1	0.44	-	103,103,103,103	0
32	MG	6	584	1/1	0.24	-	103,103,103,103	0
32	MG	A	3204	1/1	1.31	-	73,73,73,73	0
32	MG	A	3247	1/1	0.42	-	67,67,67,67	0
32	MG	6	151	1/1	0.15	-	68,68,68,68	0
32	MG	6	461	1/1	0.20	-	74,74,74,74	0
32	MG	B	119	1/1	0.28	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	137	1/1	0.49	-	90,90,90,90	0
32	MG	6	322	1/1	0.25	-	78,78,78,78	0
32	MG	A	3645	1/1	0.41	-	92,92,92,92	0
32	MG	A	3480	1/1	0.65	-	61,61,61,61	0
32	MG	6	372	1/1	0.23	-	104,104,104,104	0
32	MG	A	3195	1/1	0.26	-	94,94,94,94	0
32	MG	A	3139	1/1	0.43	-	60,60,60,60	0
32	MG	A	3355	1/1	0.78	-	96,96,96,96	0
32	MG	A	3819	1/1	0.54	-	104,104,104,104	0
32	MG	6	1193	1/1	0.14	-	75,75,75,75	0
32	MG	A	3038	1/1	0.25	-	50,50,50,50	0
32	MG	A	3654	1/1	0.29	-	101,101,101,101	0
32	MG	A	3851	1/1	0.20	-	186,186,186,186	0
32	MG	A	2923	1/1	0.30	-	21,21,21,21	0
32	MG	A	3011	1/1	0.22	-	38,38,38,38	0
32	MG	A	3046	1/1	0.18	-	39,39,39,39	0
32	MG	A	3005	1/1	0.15	-	36,36,36,36	0
32	MG	B	1025	1/1	1.17	-	114,114,114,114	0
32	MG	A	3084	1/1	0.26	-	67,67,67,67	0
32	MG	A	2957	1/1	0.09	-	32,32,32,32	0
32	MG	6	1198	1/1	0.37	-	74,74,74,74	0
32	MG	A	3619	1/1	0.76	-	59,59,59,59	0
32	MG	A	2954	1/1	0.12	-	33,33,33,33	0
32	MG	A	2968	1/1	0.17	-	60,60,60,60	0
32	MG	A	3581	1/1	0.16	-	77,77,77,77	0
32	MG	A	2955	1/1	0.22	-	58,58,58,58	0
32	MG	6	979	1/1	0.17	-	92,92,92,92	0
32	MG	A	3719	1/1	0.22	-	76,76,76,76	0
32	MG	A	3723	1/1	0.33	-	96,96,96,96	0
32	MG	A	3022	1/1	0.63	-	58,58,58,58	0
32	MG	A	3327	1/1	0.44	-	70,70,70,70	0
32	MG	A	3568	1/1	1.46	-	68,68,68,68	0
32	MG	K	633	1/1	0.21	-	73,73,73,73	0
32	MG	A	3412	1/1	0.28	-	86,86,86,86	0
32	MG	A	3306	1/1	0.23	-	94,94,94,94	0
32	MG	A	3187	1/1	0.14	-	46,46,46,46	0
32	MG	A	369	1/1	0.28	-	63,63,63,63	0
32	MG	A	3634	1/1	0.35	-	99,99,99,99	0
32	MG	A	3111	1/1	0.17	-	61,61,61,61	0
32	MG	A	2946	1/1	0.12	-	48,48,48,48	0
32	MG	6	501	1/1	0.93	-	129,129,129,129	0
32	MG	6	330	1/1	0.12	-	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	2906	1/1	0.39	-	23,23,23,23	0
32	MG	W	1311	1/1	0.43	-	56,56,56,56	0
32	MG	A	3095	1/1	0.22	-	49,49,49,49	0
32	MG	A	3749	1/1	0.13	-	138,138,138,138	0
32	MG	6	276	1/1	0.12	-	98,98,98,98	0
32	MG	A	3283	1/1	0.51	-	73,73,73,73	0
32	MG	A	618	1/1	0.19	-	81,81,81,81	0
32	MG	A	3385	1/1	0.46	-	51,51,51,51	0
32	MG	6	1444	1/1	2.85	-	125,125,125,125	0
32	MG	A	2997	1/1	0.44	-	51,51,51,51	0
32	MG	A	3228	1/1	0.46	-	56,56,56,56	0
32	MG	A	3225	1/1	0.64	-	59,59,59,59	0
32	MG	6	972	1/1	1.64	-	90,90,90,90	0
32	MG	6	309	1/1	0.16	-	95,95,95,95	0
32	MG	A	3372	1/1	0.61	-	44,44,44,44	0
32	MG	A	3320	1/1	0.16	-	103,103,103,103	0
32	MG	6	1018	1/1	0.16	-	95,95,95,95	0
32	MG	A	2916	1/1	0.40	-	68,68,68,68	0
32	MG	A	3404	1/1	0.83	-	79,79,79,79	0
32	MG	A	3072	1/1	0.45	-	68,68,68,68	0
32	MG	A	2924	1/1	0.37	-	24,24,24,24	0
32	MG	A	3367	1/1	0.41	-	53,53,53,53	0
32	MG	A	3824	1/1	0.29	-	63,63,63,63	0
32	MG	A	3105	1/1	0.21	-	66,66,66,66	0
32	MG	6	1004	1/1	0.24	-	94,94,94,94	0
32	MG	A	3640	1/1	0.26	-	88,88,88,88	0
32	MG	A	3415	1/1	1.87	-	66,66,66,66	0
32	MG	A	3447	1/1	0.48	-	72,72,72,72	0
32	MG	6	319	1/1	0.15	-	133,133,133,133	0
32	MG	A	3126	1/1	0.81	-	29,29,29,29	0
32	MG	F	1019	1/1	3.28	-	103,103,103,103	0
32	MG	6	220	1/1	0.56	-	93,93,93,93	0
32	MG	A	3734	1/1	0.51	-	74,74,74,74	0
32	MG	A	3319	1/1	0.26	-	96,96,96,96	0
32	MG	A	3540	1/1	3.47	-	164,164,164,164	0
32	MG	6	360	1/1	0.42	-	128,128,128,128	0
32	MG	6	1314	1/1	0.73	-	99,99,99,99	0
32	MG	B	1042	1/1	0.58	-	117,117,117,117	0
32	MG	6	628	1/1	0.74	-	90,90,90,90	0
32	MG	A	3485	1/1	0.44	-	78,78,78,78	0
32	MG	6	1261	1/1	0.42	-	107,107,107,107	0
32	MG	A	3549	1/1	0.20	-	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	449	1/1	0.16	-	109,109,109,109	0
32	MG	A	3886	1/1	0.16	-	94,94,94,94	0
32	MG	A	3368	1/1	0.27	-	90,90,90,90	0
32	MG	J	1390	1/1	1.81	-	91,91,91,91	0
32	MG	A	3326	1/1	0.13	-	46,46,46,46	0
32	MG	A	3744	1/1	0.22	-	65,65,65,65	0
32	MG	6	271	1/1	0.65	-	78,78,78,78	0
32	MG	A	3613	1/1	0.42	-	61,61,61,61	0
32	MG	A	3321	1/1	0.29	-	100,100,100,100	0
32	MG	A	3632	1/1	1.19	-	76,76,76,76	0
32	MG	A	3679	1/1	0.29	-	36,36,36,36	0
32	MG	A	3788	1/1	0.26	-	80,80,80,80	0
32	MG	S	1480	1/1	1.10	-	62,62,62,62	0
32	MG	A	3103	1/1	0.34	-	91,91,91,91	0
32	MG	A	2987	1/1	0.44	-	54,54,54,54	0
32	MG	A	3207	1/1	0.15	-	79,79,79,79	0
32	MG	A	3414	1/1	0.33	-	55,55,55,55	0
32	MG	6	748	1/1	0.26	-	123,123,123,123	0
32	MG	A	3394	1/1	0.36	-	75,75,75,75	0
32	MG	6	244	1/1	0.82	-	82,82,82,82	0
32	MG	A	3500	1/1	0.47	-	102,102,102,102	0
32	MG	A	3551	1/1	0.61	-	66,66,66,66	0
32	MG	6	590	1/1	0.22	-	78,78,78,78	0
32	MG	A	3669	1/1	0.21	-	23,23,23,23	0
32	MG	B	120	1/1	0.19	-	33,33,33,33	0
32	MG	6	1115	1/1	0.07	-	76,76,76,76	0
32	MG	A	3468	1/1	0.97	-	83,83,83,83	0
32	MG	A	3108	1/1	0.24	-	31,31,31,31	0
32	MG	A	3664	1/1	0.09	-	24,24,24,24	0
32	MG	B	1054	1/1	0.10	-	84,84,84,84	0
32	MG	A	3384	1/1	0.14	-	124,124,124,124	0
32	MG	A	2969	1/1	0.28	-	50,50,50,50	0
32	MG	6	1020	1/1	0.13	-	109,109,109,109	0
32	MG	6	1441	1/1	0.28	-	73,73,73,73	0
32	MG	B	240	1/1	0.17	-	58,58,58,58	0
32	MG	A	3764	1/1	0.07	-	77,77,77,77	0
32	MG	C	273	1/1	0.28	-	67,67,67,67	0
32	MG	6	952	1/1	2.61	-	131,131,131,131	0
32	MG	A	2936	1/1	0.45	-	29,29,29,29	0
32	MG	A	3554	1/1	0.19	-	76,76,76,76	0
32	MG	A	3360	1/1	0.30	-	75,75,75,75	0
32	MG	D	835	1/1	2.05	-	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	647	1/1	0.15	-	117,117,117,117	0
32	MG	6	1267	1/1	0.88	-	87,87,87,87	0
32	MG	A	3353	1/1	0.65	-	169,169,169,169	0
32	MG	6	1277	1/1	0.45	-	109,109,109,109	0
32	MG	V	508	1/1	0.22	-	90,90,90,90	0
32	MG	A	3505	1/1	0.56	-	95,95,95,95	0
32	MG	A	3340	1/1	0.52	-	88,88,88,88	0
32	MG	A	3778	1/1	0.30	-	78,78,78,78	0
32	MG	6	1385	1/1	0.16	-	70,70,70,70	0
32	MG	6	246	1/1	0.39	-	59,59,59,59	0
32	MG	A	158	1/1	0.20	-	72,72,72,72	0
32	MG	A	3799	1/1	0.86	-	73,73,73,73	0
32	MG	6	660	1/1	0.40	-	69,69,69,69	0
32	MG	A	3576	1/1	0.23	-	83,83,83,83	0
32	MG	C	980	1/1	0.10	-	79,79,79,79	0
32	MG	A	3585	1/1	0.68	-	78,78,78,78	0
32	MG	A	3153	1/1	0.24	-	113,113,113,113	0
32	MG	6	636	1/1	0.61	-	108,108,108,108	0
32	MG	A	3389	1/1	0.50	-	84,84,84,84	0
32	MG	A	3346	1/1	0.33	-	95,95,95,95	0
32	MG	A	2998	1/1	0.19	-	38,38,38,38	0
32	MG	A	2992	1/1	0.36	-	69,69,69,69	0
32	MG	A	3407	1/1	0.23	-	108,108,108,108	0
32	MG	A	3245	1/1	0.78	-	65,65,65,65	0
32	MG	A	3040	1/1	0.38	-	72,72,72,72	0
32	MG	A	3837	1/1	0.25	-	83,83,83,83	0
32	MG	A	3751	1/1	0.10	-	109,109,109,109	0
32	MG	A	3809	1/1	0.26	-	90,90,90,90	0
32	MG	A	3161	1/1	0.10	-	93,93,93,93	0
32	MG	A	2979	1/1	0.32	-	40,40,40,40	0
32	MG	A	3596	1/1	0.49	-	80,80,80,80	0
32	MG	A	3863	1/1	0.22	-	100,100,100,100	0
32	MG	A	3464	1/1	0.26	-	95,95,95,95	0
32	MG	A	3832	1/1	0.48	-	101,101,101,101	0
32	MG	6	1117	1/1	0.68	-	84,84,84,84	0
32	MG	A	3628	1/1	1.08	-	81,81,81,81	0
32	MG	6	1335	1/1	0.23	-	116,116,116,116	0
32	MG	A	3573	1/1	0.27	-	128,128,128,128	0
32	MG	6	542	1/1	0.24	-	147,147,147,147	0
32	MG	6	1423	1/1	0.20	-	107,107,107,107	0
32	MG	A	3706	1/1	0.35	-	59,59,59,59	0
32	MG	A	3001	1/1	0.35	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3762	1/1	0.53	-	97,97,97,97	0
32	MG	B	831	1/1	0.38	-	72,72,72,72	0
32	MG	A	3451	1/1	0.22	-	99,99,99,99	0
32	MG	A	3722	1/1	0.24	-	61,61,61,61	0
32	MG	A	3786	1/1	0.47	-	121,121,121,121	0
32	MG	A	3779	1/1	0.64	-	90,90,90,90	0
32	MG	A	3666	1/1	0.45	-	52,52,52,52	0
32	MG	A	2904	1/1	0.21	-	19,19,19,19	0
32	MG	6	286	1/1	0.21	-	59,59,59,59	0
32	MG	A	3398	1/1	0.29	-	75,75,75,75	0
32	MG	A	3402	1/1	0.25	-	95,95,95,95	0
32	MG	A	3290	1/1	0.14	-	104,104,104,104	0
32	MG	A	3829	1/1	0.23	-	104,104,104,104	0
32	MG	B	339	1/1	0.31	-	103,103,103,103	0
32	MG	A	3586	1/1	0.36	-	36,36,36,36	0
32	MG	A	3890	1/1	0.20	-	52,52,52,52	0
32	MG	C	970	1/1	0.46	-	164,164,164,164	0
32	MG	6	883	1/1	0.11	-	92,92,92,92	0
32	MG	A	3761	1/1	0.78	-	76,76,76,76	0
32	MG	A	2934	1/1	0.15	-	5,5,5,5	0
32	MG	A	3068	1/1	0.98	-	67,67,67,67	0
32	MG	A	3163	1/1	0.28	-	88,88,88,88	0
32	MG	6	712	1/1	0.76	-	77,77,77,77	0
32	MG	A	3255	1/1	0.71	-	127,127,127,127	0
32	MG	A	3466	1/1	0.32	-	86,86,86,86	0
32	MG	A	3885	1/1	0.40	-	94,94,94,94	0
32	MG	A	2974	1/1	0.29	-	12,12,12,12	0
32	MG	A	2	1/1	0.30	-	17,17,17,17	0
32	MG	6	1152	1/1	0.17	-	126,126,126,126	0
32	MG	6	310	1/1	0.42	-	96,96,96,96	0
32	MG	6	432	1/1	0.18	-	63,63,63,63	0
32	MG	6	235	1/1	0.15	-	99,99,99,99	0
32	MG	A	3527	1/1	0.31	-	102,102,102,102	0
32	MG	A	2932	1/1	0.69	-	31,31,31,31	0
32	MG	A	3735	1/1	0.30	-	63,63,63,63	0
32	MG	A	4	1/1	0.12	-	16,16,16,16	0
32	MG	6	595	1/1	0.10	-	69,69,69,69	0
32	MG	6	1199	1/1	0.18	-	78,78,78,78	0
32	MG	A	2995	1/1	0.16	-	52,52,52,52	0
32	MG	A	3266	1/1	0.42	-	92,92,92,92	0
32	MG	A	3692	1/1	0.36	-	133,133,133,133	0
32	MG	A	2993	1/1	0.16	-	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3781	1/1	0.61	-	59,59,59,59	0
32	MG	A	2959	1/1	0.23	-	34,34,34,34	0
32	MG	A	3609	1/1	0.35	-	90,90,90,90	0
32	MG	A	3436	1/1	0.31	-	101,101,101,101	0
32	MG	A	3006	1/1	0.43	-	48,48,48,48	0
32	MG	6	1058	1/1	0.25	-	104,104,104,104	0
32	MG	E	1089	1/1	0.21	-	81,81,81,81	0
32	MG	K	929	1/1	0.22	-	109,109,109,109	0
32	MG	6	1445	1/1	0.58	-	106,106,106,106	0
32	MG	A	3198	1/1	0.17	-	93,93,93,93	0
32	MG	A	3446	1/1	0.13	-	92,92,92,92	0
32	MG	A	3358	1/1	0.92	-	78,78,78,78	0
32	MG	A	2903	1/1	0.37	-	11,11,11,11	0
32	MG	A	3176	1/1	0.46	-	69,69,69,69	0
32	MG	A	3045	1/1	0.32	-	56,56,56,56	0
32	MG	A	3288	1/1	0.55	-	76,76,76,76	0
32	MG	A	2908	1/1	0.30	-	15,15,15,15	0
32	MG	6	288	1/1	0.18	-	133,133,133,133	0
32	MG	6	745	1/1	0.15	-	77,77,77,77	0
32	MG	A	3674	1/1	0.35	-	51,51,51,51	0
32	MG	A	3896	1/1	0.22	-	86,86,86,86	0
32	MG	A	1	1/1	0.38	-	9,9,9,9	0
32	MG	A	3793	1/1	0.29	-	100,100,100,100	0
32	MG	A	3096	1/1	0.85	-	87,87,87,87	0
32	MG	6	1296	1/1	0.10	-	97,97,97,97	0
32	MG	A	3004	1/1	0.76	-	72,72,72,72	0
32	MG	6	907	1/1	0.11	-	107,107,107,107	0
32	MG	A	3192	1/1	0.44	-	89,89,89,89	0
32	MG	A	3816	1/1	0.26	-	63,63,63,63	0
32	MG	6	1233	1/1	0.84	-	87,87,87,87	0
32	MG	A	3175	1/1	0.28	-	73,73,73,73	0
32	MG	6	1392	1/1	0.13	-	95,95,95,95	0
32	MG	4	1024	1/1	0.19	-	55,55,55,55	0
32	MG	B	765	1/1	0.22	-	82,82,82,82	0
32	MG	A	3166	1/1	0.15	-	102,102,102,102	0
32	MG	A	3649	1/1	0.28	-	97,97,97,97	0
32	MG	A	3420	1/1	0.20	-	110,110,110,110	0
32	MG	A	3117	1/1	0.19	-	85,85,85,85	0
32	MG	6	155	1/1	0.07	-	66,66,66,66	0
32	MG	A	3597	1/1	0.57	-	162,162,162,162	0
32	MG	A	3352	1/1	0.52	-	70,70,70,70	0
32	MG	A	3222	1/1	0.40	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3030	1/1	0.41	-	76,76,76,76	0
32	MG	4	1468	1/1	0.92	-	76,76,76,76	0
32	MG	A	3232	1/1	0.33	-	59,59,59,59	0
32	MG	6	779	1/1	0.10	-	94,94,94,94	0
32	MG	6	1487	1/1	0.11	-	86,86,86,86	0
32	MG	A	3677	1/1	0.26	-	59,59,59,59	0
32	MG	A	3770	1/1	0.36	-	99,99,99,99	0
32	MG	6	649	1/1	0.87	-	100,100,100,100	0
32	MG	A	3359	1/1	0.19	-	74,74,74,74	0
32	MG	6	393	1/1	0.37	-	61,61,61,61	0
32	MG	A	2912	1/1	0.23	-	14,14,14,14	0
32	MG	D	415	1/1	0.20	-	70,70,70,70	0
32	MG	6	331	1/1	0.26	-	60,60,60,60	0
32	MG	A	3592	1/1	0.30	-	85,85,85,85	0
32	MG	6	783	1/1	0.43	-	93,93,93,93	0
32	MG	A	2909	1/1	0.15	-	71,71,71,71	0
32	MG	A	3243	1/1	0.74	-	70,70,70,70	0
32	MG	6	627	1/1	0.72	-	78,78,78,78	0
32	MG	A	3901	1/1	0.24	-	90,90,90,90	0
32	MG	B	1436	1/1	0.09	-	113,113,113,113	0
32	MG	A	3708	1/1	0.33	-	69,69,69,69	0
32	MG	A	3665	1/1	0.17	-	13,13,13,13	0
32	MG	A	3123	1/1	0.98	-	69,69,69,69	0
32	MG	A	3275	1/1	0.35	-	79,79,79,79	0
32	MG	A	3667	1/1	0.60	-	40,40,40,40	0
32	MG	A	3042	1/1	0.50	-	25,25,25,25	0
32	MG	A	3065	1/1	0.48	-	48,48,48,48	0
32	MG	A	3322	1/1	0.46	-	90,90,90,90	0
32	MG	A	3289	1/1	0.71	-	72,72,72,72	0
32	MG	A	3197	1/1	0.18	-	92,92,92,92	0
32	MG	A	3295	1/1	0.45	-	99,99,99,99	0
32	MG	A	3399	1/1	0.56	-	66,66,66,66	0
32	MG	6	959	1/1	1.06	-	123,123,123,123	0
32	MG	6	608	1/1	1.57	-	124,124,124,124	0
32	MG	6	968	1/1	1.01	-	88,88,88,88	0
32	MG	A	3259	1/1	0.17	-	109,109,109,109	0
32	MG	A	3893	1/1	0.47	-	114,114,114,114	0
32	MG	A	3015	1/1	0.54	-	128,128,128,128	0
32	MG	A	2967	1/1	0.38	-	50,50,50,50	0
32	MG	A	3386	1/1	0.48	-	76,76,76,76	0
32	MG	A	3725	1/1	0.24	-	96,96,96,96	0
32	MG	4	1066	1/1	1.23	-	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3529	1/1	0.37	-	74,74,74,74	0
32	MG	A	3315	1/1	0.14	-	66,66,66,66	0
32	MG	6	951	1/1	0.13	-	79,79,79,79	0
32	MG	A	3129	1/1	0.85	-	50,50,50,50	0
32	MG	6	738	1/1	0.27	-	105,105,105,105	0
32	MG	A	3484	1/1	0.71	-	87,87,87,87	0
32	MG	A	3425	1/1	0.16	-	113,113,113,113	0
32	MG	A	3180	1/1	0.24	-	74,74,74,74	0
32	MG	A	3741	1/1	0.11	-	96,96,96,96	0
32	MG	A	3393	1/1	0.20	-	110,110,110,110	0
32	MG	6	821	1/1	0.88	-	87,87,87,87	0
32	MG	B	423	1/1	0.26	-	113,113,113,113	0
32	MG	A	3827	1/1	0.88	-	40,40,40,40	0
32	MG	A	3872	1/1	0.61	-	73,73,73,73	0
32	MG	A	3017	1/1	0.19	-	23,23,23,23	0
32	MG	A	3525	1/1	1.42	-	73,73,73,73	0
32	MG	A	3337	1/1	0.58	-	97,97,97,97	0
32	MG	A	2901	1/1	0.53	-	22,22,22,22	0
32	MG	A	3473	1/1	0.39	-	97,97,97,97	0
32	MG	6	1161	1/1	0.15	-	76,76,76,76	0
32	MG	A	3055	1/1	0.32	-	64,64,64,64	0
32	MG	A	3300	1/1	0.32	-	54,54,54,54	0
32	MG	C	1387	1/1	0.23	-	104,104,104,104	0
32	MG	A	3082	1/1	0.27	-	67,67,67,67	0
32	MG	A	3263	1/1	0.25	-	87,87,87,87	0
32	MG	A	3578	1/1	0.65	-	85,85,85,85	0
32	MG	A	3024	1/1	0.35	-	73,73,73,73	0
32	MG	A	3542	1/1	0.34	-	61,61,61,61	0
32	MG	A	3050	1/1	0.46	-	126,126,126,126	0
32	MG	A	3587	1/1	0.53	-	90,90,90,90	0
32	MG	A	3060	1/1	0.11	-	69,69,69,69	0
32	MG	A	3272	1/1	0.27	-	62,62,62,62	0
32	MG	A	3299	1/1	0.31	-	127,127,127,127	0
32	MG	6	965	1/1	0.94	-	117,117,117,117	0
32	MG	A	927	1/1	0.18	-	80,80,80,80	0
32	MG	A	3335	1/1	1.05	-	112,112,112,112	0
32	MG	6	567	1/1	0.69	-	123,123,123,123	0
32	MG	A	3454	1/1	0.69	-	80,80,80,80	0
32	MG	A	3610	1/1	0.32	-	114,114,114,114	0
32	MG	A	3242	1/1	0.21	-	52,52,52,52	0
32	MG	6	746	1/1	0.15	-	72,72,72,72	0
32	MG	A	3636	1/1	0.51	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3392	1/1	0.53	-	77,77,77,77	0
32	MG	A	3766	1/1	0.33	-	84,84,84,84	0
32	MG	A	3438	1/1	0.69	-	120,120,120,120	0
32	MG	6	324	1/1	1.34	-	100,100,100,100	0
32	MG	A	3388	1/1	0.19	-	82,82,82,82	0
32	MG	A	3122	1/1	0.10	-	114,114,114,114	0
32	MG	6	622	1/1	0.18	-	112,112,112,112	0
32	MG	A	3169	1/1	0.68	-	76,76,76,76	0
32	MG	U	1345	1/1	0.29	-	84,84,84,84	0
32	MG	A	3697	1/1	0.19	-	85,85,85,85	0
32	MG	6	811	1/1	0.14	-	132,132,132,132	0
32	MG	A	3791	1/1	0.25	-	97,97,97,97	0
32	MG	A	3882	1/1	0.47	-	55,55,55,55	0
32	MG	6	1083	1/1	1.38	-	68,68,68,68	0
32	MG	A	3234	1/1	0.58	-	85,85,85,85	0
32	MG	6	867	1/1	0.29	-	105,105,105,105	0
32	MG	A	3009	1/1	0.32	-	33,33,33,33	0
32	MG	A	168	1/1	0.29	-	59,59,59,59	0
32	MG	A	3496	1/1	0.26	-	102,102,102,102	0
32	MG	A	3031	1/1	0.37	-	76,76,76,76	0
32	MG	A	2938	1/1	0.52	-	37,37,37,37	0
32	MG	A	3557	1/1	0.37	-	87,87,87,87	0
32	MG	A	3312	1/1	0.25	-	65,65,65,65	0
32	MG	A	3731	1/1	0.55	-	86,86,86,86	0
32	MG	B	1287	1/1	0.20	-	84,84,84,84	0
32	MG	A	2978	1/1	0.28	-	22,22,22,22	0
32	MG	A	3310	1/1	0.38	-	80,80,80,80	0
32	MG	6	957	1/1	0.21	-	61,61,61,61	0
32	MG	A	3390	1/1	0.43	-	76,76,76,76	0
32	MG	A	3227	1/1	0.86	-	64,64,64,64	0
32	MG	A	3740	1/1	1.02	-	96,96,96,96	0
32	MG	6	1075	1/1	0.29	-	118,118,118,118	0
32	MG	A	3481	1/1	0.55	-	82,82,82,82	0
32	MG	A	3413	1/1	0.52	-	60,60,60,60	0
32	MG	6	1463	1/1	0.78	-	97,97,97,97	0
32	MG	6	381	1/1	0.25	-	137,137,137,137	0
32	MG	A	3178	1/1	0.16	-	49,49,49,49	0
32	MG	A	366	1/1	0.97	-	78,78,78,78	0
32	MG	A	3605	1/1	0.11	-	113,113,113,113	0
32	MG	A	3504	1/1	0.28	-	98,98,98,98	0
32	MG	A	3418	1/1	0.41	-	65,65,65,65	0
32	MG	A	3409	1/1	1.15	-	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3075	1/1	1.12	-	71,71,71,71	0
32	MG	6	1428	1/1	0.68	-	88,88,88,88	0
32	MG	A	3344	1/1	0.19	-	70,70,70,70	0
32	MG	6	611	1/1	0.34	-	82,82,82,82	0
32	MG	A	3364	1/1	0.15	-	98,98,98,98	0
32	MG	A	2990	1/1	0.33	-	46,46,46,46	0
32	MG	A	3843	1/1	0.27	-	92,92,92,92	0
32	MG	A	3831	1/1	0.26	-	67,67,67,67	0
32	MG	A	3873	1/1	0.71	-	60,60,60,60	0
32	MG	A	3257	1/1	0.67	-	43,43,43,43	0
32	MG	6	850	1/1	0.28	-	99,99,99,99	0
32	MG	A	3641	1/1	0.65	-	45,45,45,45	0
32	MG	B	471	1/1	0.46	-	101,101,101,101	0
32	MG	6	766	1/1	0.13	-	97,97,97,97	0
32	MG	A	365	1/1	0.66	-	105,105,105,105	0
32	MG	A	3472	1/1	0.12	-	117,117,117,117	0
32	MG	A	2907	1/1	0.46	-	49,49,49,49	0
32	MG	6	596	1/1	1.36	-	118,118,118,118	0
32	MG	A	490	1/1	1.02	-	70,70,70,70	0
32	MG	A	3106	1/1	0.51	-	58,58,58,58	0
32	MG	I	585	1/1	0.21	-	104,104,104,104	0
32	MG	A	3825	1/1	0.32	-	108,108,108,108	0
32	MG	A	3618	1/1	0.20	-	86,86,86,86	0
32	MG	D	935	1/1	0.39	-	107,107,107,107	0
32	MG	6	1322	1/1	0.86	-	122,122,122,122	0
32	MG	A	3311	1/1	0.74	-	110,110,110,110	0
32	MG	A	3194	1/1	0.59	-	56,56,56,56	0
32	MG	A	3602	1/1	0.48	-	100,100,100,100	0
32	MG	B	233	1/1	0.31	-	63,63,63,63	0
32	MG	A	3756	1/1	0.47	-	81,81,81,81	0
32	MG	A	3342	1/1	0.55	-	67,67,67,67	0
32	MG	A	3173	1/1	0.31	-	114,114,114,114	0
32	MG	A	3661	1/1	0.43	-	15,15,15,15	0
32	MG	6	565	1/1	0.67	-	108,108,108,108	0
32	MG	A	3502	1/1	0.35	-	63,63,63,63	0
32	MG	A	3817	1/1	0.35	-	108,108,108,108	0
32	MG	A	3277	1/1	0.46	-	76,76,76,76	0
32	MG	A	3627	1/1	1.31	-	113,113,113,113	0
32	MG	6	820	1/1	0.23	-	131,131,131,131	0
32	MG	6	579	1/1	0.39	-	107,107,107,107	0
32	MG	A	3100	1/1	0.56	-	88,88,88,88	0
32	MG	A	3165	1/1	0.44	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	531	1/1	0.17	-	102,102,102,102	0
32	MG	A	3074	1/1	0.45	-	71,71,71,71	0
32	MG	B	417	1/1	0.29	-	85,85,85,85	0
32	MG	A	3772	1/1	0.60	-	104,104,104,104	0
32	MG	A	3689	1/1	1.18	-	137,137,137,137	0
32	MG	A	3332	1/1	2.05	-	58,58,58,58	0
32	MG	6	489	1/1	0.20	-	123,123,123,123	0
32	MG	A	3709	1/1	0.20	-	82,82,82,82	0
32	MG	A	3252	1/1	0.29	-	55,55,55,55	0
32	MG	A	3808	1/1	0.30	-	172,172,172,172	0
32	MG	A	3110	1/1	0.20	-	74,74,74,74	0
32	MG	6	1153	1/1	0.29	-	82,82,82,82	0
32	MG	6	833	1/1	0.49	-	111,111,111,111	0
32	MG	A	3724	1/1	0.72	-	88,88,88,88	0
32	MG	A	3864	1/1	0.27	-	94,94,94,94	0
32	MG	A	3801	1/1	0.47	-	90,90,90,90	0
32	MG	A	3604	1/1	0.67	-	79,79,79,79	0
32	MG	6	205	1/1	0.45	-	51,51,51,51	0
32	MG	B	1226	1/1	0.35	-	105,105,105,105	0
32	MG	J	1176	1/1	0.43	-	32,32,32,32	0
32	MG	2	298	1/1	1.07	-	78,78,78,78	0
32	MG	A	3487	1/1	0.36	-	130,130,130,130	0
32	MG	A	3528	1/1	0.11	-	102,102,102,102	0
32	MG	A	3737	1/1	0.28	-	92,92,92,92	0
32	MG	A	2928	1/1	0.18	-	42,42,42,42	0
32	MG	A	3469	1/1	0.64	-	69,69,69,69	0
32	MG	A	3583	1/1	0.66	-	91,91,91,91	0
32	MG	A	3904	1/1	0.36	-	53,53,53,53	0
32	MG	A	3334	1/1	0.51	-	75,75,75,75	0
32	MG	A	2958	1/1	0.71	-	45,45,45,45	0
32	MG	A	3244	1/1	1.12	-	71,71,71,71	0
32	MG	A	3840	1/1	0.84	-	123,123,123,123	0
32	MG	A	3156	1/1	0.22	-	73,73,73,73	0
32	MG	A	3091	1/1	0.13	-	78,78,78,78	0
32	MG	6	911	1/1	0.31	-	97,97,97,97	0
32	MG	6	296	1/1	0.56	-	80,80,80,80	0
32	MG	A	3339	1/1	0.73	-	75,75,75,75	0
32	MG	6	759	1/1	1.45	-	112,112,112,112	0
32	MG	A	3143	1/1	0.51	-	33,33,33,33	0
32	MG	A	2930	1/1	0.34	-	7,7,7,7	0
32	MG	6	1459	1/1	0.25	-	99,99,99,99	0
32	MG	A	3624	1/1	0.68	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3328	1/1	0.47	-	88,88,88,88	0
32	MG	A	3807	1/1	0.51	-	98,98,98,98	0
32	MG	6	786	1/1	0.17	-	76,76,76,76	0
32	MG	A	3891	1/1	0.57	-	74,74,74,74	0
32	MG	C	1488	1/1	0.24	-	67,67,67,67	0
32	MG	A	3511	1/1	0.26	-	96,96,96,96	0
32	MG	A	169	1/1	0.15	-	45,45,45,45	0
32	MG	A	3652	1/1	0.25	-	56,56,56,56	0
32	MG	A	2920	1/1	0.27	-	31,31,31,31	0
32	MG	A	3647	1/1	1.87	-	102,102,102,102	0
32	MG	A	3146	1/1	0.32	-	52,52,52,52	0
32	MG	B	953	1/1	0.37	-	88,88,88,88	0
32	MG	6	612	1/1	0.83	-	49,49,49,49	0
32	MG	6	236	1/1	0.22	-	84,84,84,84	0
32	MG	A	3053	1/1	0.24	-	114,114,114,114	0
32	MG	A	2953	1/1	0.32	-	42,42,42,42	0
32	MG	A	3658	1/1	0.47	-	106,106,106,106	0
32	MG	6	1060	1/1	0.21	-	101,101,101,101	0
32	MG	A	3707	1/1	1.11	-	58,58,58,58	0
32	MG	J	726	1/1	1.71	-	126,126,126,126	0
32	MG	A	3656	1/1	0.41	-	111,111,111,111	0
32	MG	6	352	1/1	0.13	-	80,80,80,80	0
32	MG	A	3823	1/1	0.61	-	101,101,101,101	0
32	MG	A	3073	1/1	0.23	-	67,67,67,67	0
32	MG	6	652	1/1	0.34	-	88,88,88,88	0
32	MG	6	380	1/1	0.18	-	51,51,51,51	0
32	MG	A	2921	1/1	0.29	-	21,21,21,21	0
32	MG	6	445	1/1	0.63	-	72,72,72,72	0
32	MG	A	3028	1/1	0.27	-	44,44,44,44	0
32	MG	A	3151	1/1	0.28	-	70,70,70,70	0
32	MG	A	3256	1/1	0.24	-	85,85,85,85	0
32	MG	6	1350	1/1	0.33	-	89,89,89,89	0
32	MG	V	680	1/1	0.38	-	115,115,115,115	0
32	MG	A	2939	1/1	0.48	-	21,21,21,21	0
32	MG	6	991	1/1	1.07	-	108,108,108,108	0
32	MG	6	150	1/1	0.26	-	76,76,76,76	0
32	MG	A	3720	1/1	0.24	-	82,82,82,82	0
32	MG	A	3144	1/1	0.82	-	50,50,50,50	0
32	MG	6	293	1/1	0.33	-	79,79,79,79	0
32	MG	A	3865	1/1	0.38	-	103,103,103,103	0
32	MG	A	3000	1/1	0.37	-	60,60,60,60	0
32	MG	A	3203	1/1	0.12	-	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3226	1/1	0.42	-	75,75,75,75	0
32	MG	J	1440	1/1	0.80	-	135,135,135,135	0
32	MG	A	3423	1/1	0.33	-	79,79,79,79	0
32	MG	A	3676	1/1	0.62	-	51,51,51,51	0
32	MG	6	239	1/1	0.07	-	93,93,93,93	0
32	MG	A	3548	1/1	0.20	-	107,107,107,107	0
32	MG	A	3579	1/1	0.43	-	60,60,60,60	0
32	MG	A	3800	1/1	1.09	-	102,102,102,102	0
32	MG	A	3171	1/1	0.25	-	54,54,54,54	0
32	MG	A	2949	1/1	0.35	-	44,44,44,44	0
32	MG	A	3856	1/1	0.54	-	130,130,130,130	0
32	MG	A	3174	1/1	0.49	-	69,69,69,69	0
32	MG	6	1007	1/1	0.16	-	136,136,136,136	0
32	MG	1	338	1/1	0.22	-	80,80,80,80	0
32	MG	6	1093	1/1	0.45	-	125,125,125,125	0
32	MG	A	3681	1/1	0.54	-	23,23,23,23	0
32	MG	6	689	1/1	0.66	-	97,97,97,97	0
32	MG	A	157	1/1	0.21	-	43,43,43,43	0
32	MG	6	1367	1/1	1.19	-	102,102,102,102	0
32	MG	A	3467	1/1	0.35	-	88,88,88,88	0
32	MG	6	653	1/1	0.63	-	80,80,80,80	0
32	MG	A	3296	1/1	0.37	-	152,152,152,152	0
32	MG	6	65	1/1	0.33	-	54,54,54,54	0
32	MG	6	815	1/1	0.23	-	125,125,125,125	0
32	MG	A	3688	1/1	0.42	-	109,109,109,109	0
32	MG	K	758	1/1	0.42	-	98,98,98,98	0
32	MG	A	2972	1/1	0.13	-	23,23,23,23	0
32	MG	6	606	1/1	0.50	-	116,116,116,116	0
32	MG	A	3491	1/1	0.61	-	63,63,63,63	0
32	MG	6	467	1/1	2.71	-	115,115,115,115	0
32	MG	A	3580	1/1	1.20	-	95,95,95,95	0
32	MG	A	3894	1/1	0.12	-	124,124,124,124	0
32	MG	A	3794	1/1	0.35	-	103,103,103,103	0
32	MG	A	3713	1/1	1.10	-	67,67,67,67	0
32	MG	6	1172	1/1	0.37	-	74,74,74,74	0
32	MG	A	3325	1/1	0.12	-	53,53,53,53	0
32	MG	6	159	1/1	0.74	-	70,70,70,70	0
32	MG	6	1391	1/1	0.17	-	66,66,66,66	0
32	MG	A	3617	1/1	0.27	-	58,58,58,58	0
32	MG	A	2965	1/1	0.77	-	38,38,38,38	0
32	MG	B	599	1/1	0.07	-	113,113,113,113	0
32	MG	A	3710	1/1	0.36	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	2927	1/1	0.31	-	23,23,23,23	0
32	MG	6	566	1/1	0.11	-	92,92,92,92	0
32	MG	A	3016	1/1	1.21	-	68,68,68,68	0
32	MG	A	3550	1/1	0.92	-	101,101,101,101	0
32	MG	A	3047	1/1	0.69	-	77,77,77,77	0
32	MG	A	3253	1/1	0.26	-	78,78,78,78	0
32	MG	A	3286	1/1	0.30	-	107,107,107,107	0
32	MG	A	3570	1/1	0.22	-	136,136,136,136	0
32	MG	A	3206	1/1	0.46	-	59,59,59,59	0
32	MG	A	3608	1/1	0.26	-	47,47,47,47	0
32	MG	A	3848	1/1	0.31	-	60,60,60,60	0
32	MG	A	3125	1/1	0.43	-	57,57,57,57	0
32	MG	6	1317	1/1	1.23	-	145,145,145,145	0
32	MG	B	1011	1/1	0.74	-	134,134,134,134	0
32	MG	A	3380	1/1	0.41	-	84,84,84,84	0
32	MG	A	3199	1/1	0.39	-	64,64,64,64	0
32	MG	A	3279	1/1	0.45	-	104,104,104,104	0
32	MG	6	675	1/1	0.29	-	77,77,77,77	0
32	MG	A	3131	1/1	0.40	-	61,61,61,61	0
32	MG	A	3248	1/1	0.26	-	87,87,87,87	0
32	MG	6	1183	1/1	0.13	-	86,86,86,86	0
32	MG	6	713	1/1	0.13	-	89,89,89,89	0
32	MG	A	3168	1/1	0.73	-	46,46,46,46	0
32	MG	G	1421	1/1	0.27	-	98,98,98,98	0
32	MG	A	3044	1/1	0.50	-	79,79,79,79	0
32	MG	A	3815	1/1	0.48	-	67,67,67,67	0
32	MG	A	3090	1/1	0.19	-	49,49,49,49	0
32	MG	A	3881	1/1	0.26	-	105,105,105,105	0
32	MG	A	3850	1/1	0.39	-	50,50,50,50	0
32	MG	A	3010	1/1	0.13	-	47,47,47,47	0
32	MG	6	1181	1/1	0.17	-	75,75,75,75	0
32	MG	6	1415	1/1	0.46	-	98,98,98,98	0
32	MG	6	1265	1/1	0.46	-	130,130,130,130	0
32	MG	A	3460	1/1	0.60	-	93,93,93,93	0
32	MG	B	414	1/1	0.33	-	65,65,65,65	0
32	MG	A	3743	1/1	0.72	-	78,78,78,78	0
32	MG	A	3133	1/1	0.28	-	61,61,61,61	0
32	MG	6	1114	1/1	0.33	-	94,94,94,94	0
32	MG	A	3205	1/1	0.33	-	91,91,91,91	0
32	MG	A	3642	1/1	0.48	-	104,104,104,104	0
32	MG	A	3088	1/1	0.25	-	55,55,55,55	0
32	MG	6	1404	1/1	0.61	-	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	1017	1/1	0.14	-	123,123,123,123	0
32	MG	A	3440	1/1	0.54	-	52,52,52,52	0
32	MG	6	1061	1/1	0.16	-	113,113,113,113	0
32	MG	A	3120	1/1	0.11	-	63,63,63,63	0
32	MG	A	3615	1/1	0.22	-	124,124,124,124	0
32	MG	A	2922	1/1	0.41	-	34,34,34,34	0
32	MG	P	1476	1/1	0.69	-	87,87,87,87	0
32	MG	6	1049	1/1	0.29	-	167,167,167,167	0
32	MG	A	3338	1/1	1.20	-	77,77,77,77	0
32	MG	A	3524	1/1	0.22	-	68,68,68,68	0
32	MG	2	430	1/1	0.17	-	42,42,42,42	0
32	MG	A	3510	1/1	0.23	-	99,99,99,99	0
32	MG	A	3795	1/1	0.34	-	57,57,57,57	0
32	MG	A	3755	1/1	0.39	-	83,83,83,83	0
32	MG	A	3489	1/1	0.32	-	77,77,77,77	0
32	MG	6	476	1/1	0.17	-	80,80,80,80	0
32	MG	A	3080	1/1	0.70	-	56,56,56,56	0
32	MG	A	3876	1/1	0.65	-	95,95,95,95	0
32	MG	B	1482	1/1	1.22	-	101,101,101,101	0
32	MG	A	2952	1/1	0.10	-	31,31,31,31	0
32	MG	A	3769	1/1	0.63	-	73,73,73,73	0
32	MG	6	1012	1/1	0.63	-	92,92,92,92	0
32	MG	A	3014	1/1	0.60	-	47,47,47,47	0
32	MG	6	1427	1/1	1.13	-	87,87,87,87	0
32	MG	6	495	1/1	0.36	-	76,76,76,76	0
32	MG	A	3260	1/1	0.11	-	108,108,108,108	0
32	MG	A	3838	1/1	0.27	-	72,72,72,72	0
32	MG	A	3136	1/1	0.23	-	31,31,31,31	0
32	MG	A	3419	1/1	0.38	-	60,60,60,60	0
32	MG	A	3033	1/1	0.58	-	74,74,74,74	0
32	MG	A	3869	1/1	0.43	-	125,125,125,125	0
32	MG	A	3748	1/1	1.43	-	88,88,88,88	0
32	MG	A	3087	1/1	0.62	-	59,59,59,59	0
32	MG	A	3158	1/1	0.94	-	67,67,67,67	0
32	MG	A	3410	1/1	0.66	-	48,48,48,48	0
32	MG	6	1398	1/1	0.62	-	83,83,83,83	0
32	MG	A	3555	1/1	0.48	-	93,93,93,93	0
32	MG	A	3417	1/1	1.03	-	72,72,72,72	0
32	MG	A	3083	1/1	0.33	-	47,47,47,47	0
32	MG	6	722	1/1	0.40	-	88,88,88,88	0
32	MG	J	853	1/1	1.08	-	84,84,84,84	0
32	MG	A	3571	1/1	0.24	-	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3785	1/1	0.81	-	79,79,79,79	0
32	MG	6	484	1/1	0.54	-	75,75,75,75	0
32	MG	V	1289	1/1	0.88	-	96,96,96,96	0
32	MG	6	776	1/1	0.34	-	118,118,118,118	0
32	MG	B	1068	1/1	0.17	-	67,67,67,67	0
32	MG	6	791	1/1	0.40	-	80,80,80,80	0
32	MG	A	3560	1/1	0.25	-	56,56,56,56	0
32	MG	A	3653	1/1	0.34	-	89,89,89,89	0
32	MG	A	3262	1/1	0.17	-	99,99,99,99	0
32	MG	A	3803	1/1	1.13	-	58,58,58,58	0
32	MG	A	3236	1/1	0.44	-	57,57,57,57	0
32	MG	A	3718	1/1	1.01	-	64,64,64,64	0
32	MG	6	1224	1/1	0.13	-	97,97,97,97	0
32	MG	A	3796	1/1	0.32	-	80,80,80,80	0
32	MG	6	277	1/1	0.36	-	98,98,98,98	0
32	MG	D	262	1/1	0.25	-	39,39,39,39	0
32	MG	A	3064	1/1	0.28	-	33,33,33,33	0
32	MG	A	100	1/1	0.39	-	23,23,23,23	0
32	MG	A	3603	1/1	0.11	-	154,154,154,154	0
32	MG	A	3830	1/1	0.58	-	80,80,80,80	0
32	MG	A	3884	1/1	0.23	-	132,132,132,132	0
32	MG	A	2915	1/1	0.18	-	12,12,12,12	0
32	MG	A	3874	1/1	0.24	-	111,111,111,111	0
32	MG	A	3588	1/1	0.98	-	72,72,72,72	0
32	MG	6	756	1/1	0.21	-	125,125,125,125	0
32	MG	A	3273	1/1	0.61	-	69,69,69,69	0
32	MG	A	3544	1/1	0.64	-	93,93,93,93	0
32	MG	6	973	1/1	0.40	-	109,109,109,109	0
32	MG	A	3678	1/1	0.33	-	60,60,60,60	0
32	MG	A	3680	1/1	0.51	-	57,57,57,57	0
32	MG	A	1134	1/1	0.93	-	50,50,50,50	0
32	MG	A	3116	1/1	0.42	-	76,76,76,76	0
32	MG	K	894	1/1	0.57	-	92,92,92,92	0
32	MG	A	3777	1/1	0.14	-	94,94,94,94	0
32	MG	A	3892	1/1	0.26	-	80,80,80,80	0
32	MG	A	3432	1/1	0.24	-	84,84,84,84	0
32	MG	B	1256	1/1	0.38	-	91,91,91,91	0
32	MG	6	654	1/1	0.55	-	77,77,77,77	0
32	MG	6	465	1/1	0.22	-	92,92,92,92	0
32	MG	A	3623	1/1	1.17	-	103,103,103,103	0
32	MG	A	3124	1/1	0.09	-	114,114,114,114	0
32	MG	6	524	1/1	0.62	-	122,122,122,122	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3519	1/1	0.38	-	148,148,148,148	0
32	MG	A	166	1/1	0.16	-	81,81,81,81	0
32	MG	A	3705	1/1	0.25	-	78,78,78,78	0
32	MG	A	3147	1/1	0.24	-	33,33,33,33	0
32	MG	A	3572	1/1	0.23	-	110,110,110,110	0
32	MG	A	363	1/1	0.49	-	54,54,54,54	0
32	MG	A	3562	1/1	0.15	-	115,115,115,115	0
32	MG	A	2981	1/1	0.33	-	28,28,28,28	0
32	MG	A	3134	1/1	0.49	-	69,69,69,69	0
32	MG	A	3712	1/1	0.47	-	50,50,50,50	0
32	MG	A	3293	1/1	0.27	-	67,67,67,67	0
32	MG	A	3898	1/1	0.58	-	58,58,58,58	0
32	MG	6	364	1/1	0.47	-	85,85,85,85	0
32	MG	6	1333	1/1	0.36	-	74,74,74,74	0
32	MG	A	3265	1/1	1.04	-	116,116,116,116	0
32	MG	A	3424	1/1	0.21	-	90,90,90,90	0
32	MG	A	555	1/1	0.47	-	102,102,102,102	0
32	MG	A	3113	1/1	0.65	-	59,59,59,59	0
32	MG	6	872	1/1	0.23	-	125,125,125,125	0
32	MG	A	3020	1/1	0.40	-	83,83,83,83	0
32	MG	6	926	1/1	0.15	-	89,89,89,89	0
32	MG	A	3188	1/1	0.21	-	76,76,76,76	0
32	MG	A	3483	1/1	0.52	-	120,120,120,120	0
32	MG	A	3211	1/1	0.28	-	112,112,112,112	0
32	MG	6	1202	1/1	0.57	-	114,114,114,114	0
32	MG	A	3052	1/1	0.15	-	61,61,61,61	0
32	MG	A	2900	1/1	0.45	-	20,20,20,20	0
32	MG	A	2925	1/1	0.32	-	25,25,25,25	0
32	MG	P	836	1/1	0.27	-	109,109,109,109	0
32	MG	A	3179	1/1	0.40	-	86,86,86,86	0
32	MG	6	473	1/1	0.41	-	95,95,95,95	0
32	MG	A	3836	1/1	0.39	-	95,95,95,95	0
32	MG	6	988	1/1	0.64	-	76,76,76,76	0
32	MG	K	798	1/1	1.68	-	94,94,94,94	0
32	MG	A	3061	1/1	0.67	-	43,43,43,43	0
32	MG	A	3611	1/1	0.48	-	125,125,125,125	0
32	MG	A	3240	1/1	0.25	-	70,70,70,70	0
32	MG	A	3673	1/1	0.51	-	55,55,55,55	0
32	MG	6	928	1/1	0.35	-	91,91,91,91	0
32	MG	A	3780	1/1	0.44	-	61,61,61,61	0
32	MG	C	535	1/1	0.25	-	131,131,131,131	0
32	MG	O	847	1/1	0.15	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3094	1/1	0.38	-	58,58,58,58	0
32	MG	A	3638	1/1	1.28	-	83,83,83,83	0
32	MG	A	3648	1/1	0.28	-	106,106,106,106	0
32	MG	A	3140	1/1	0.53	-	56,56,56,56	0
32	MG	6	1139	1/1	0.54	-	63,63,63,63	0
32	MG	A	3057	1/1	0.05	-	85,85,85,85	0
32	MG	A	3835	1/1	0.83	-	96,96,96,96	0
32	MG	A	3193	1/1	0.53	-	43,43,43,43	0
32	MG	A	3291	1/1	0.27	-	46,46,46,46	0
32	MG	A	3590	1/1	0.64	-	85,85,85,85	0
32	MG	A	141	1/1	0.18	-	35,35,35,35	0
32	MG	A	3849	1/1	0.16	-	87,87,87,87	0
32	MG	A	2948	1/1	0.27	-	45,45,45,45	0
32	MG	A	3189	1/1	0.26	-	67,67,67,67	0
32	MG	A	3231	1/1	0.27	-	76,76,76,76	0
32	MG	A	3371	1/1	0.40	-	63,63,63,63	0
32	MG	A	3089	1/1	0.65	-	46,46,46,46	0
32	MG	A	3721	1/1	0.70	-	92,92,92,92	0
32	MG	B	916	1/1	0.13	-	73,73,73,73	0
32	MG	A	3246	1/1	0.14	-	48,48,48,48	0
32	MG	B	646	1/1	0.43	-	75,75,75,75	0
32	MG	6	1356	1/1	0.16	-	137,137,137,137	0
32	MG	A	3093	1/1	0.45	-	50,50,50,50	0
32	MG	6	908	1/1	0.23	-	47,47,47,47	0
32	MG	A	3172	1/1	0.61	-	82,82,82,82	0
32	MG	A	3750	1/1	0.50	-	67,67,67,67	0
32	MG	B	444	1/1	0.14	-	72,72,72,72	0
32	MG	A	3523	1/1	0.15	-	30,30,30,30	0
32	MG	6	644	1/1	0.17	-	102,102,102,102	0
32	MG	A	3552	1/1	0.12	-	81,81,81,81	0
32	MG	A	3121	1/1	0.65	-	62,62,62,62	0
32	MG	A	3170	1/1	0.29	-	38,38,38,38	0
32	MG	A	3883	1/1	0.40	-	78,78,78,78	0
32	MG	6	1299	1/1	0.88	-	58,58,58,58	0
32	MG	A	3159	1/1	0.34	-	54,54,54,54	0
32	MG	6	1399	1/1	1.54	-	136,136,136,136	0
32	MG	A	3241	1/1	0.31	-	77,77,77,77	0
32	MG	A	3305	1/1	0.22	-	58,58,58,58	0
32	MG	6	447	1/1	0.27	-	63,63,63,63	0
32	MG	6	1358	1/1	0.23	-	80,80,80,80	0
32	MG	A	3448	1/1	0.57	-	137,137,137,137	0
32	MG	A	5	1/1	0.41	-	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	1223	1/1	0.20	-	80,80,80,80	0
32	MG	A	3422	1/1	0.64	-	62,62,62,62	0
32	MG	L	1464	1/1	0.48	-	66,66,66,66	0
32	MG	A	3387	1/1	0.59	-	72,72,72,72	0
32	MG	6	735	1/1	0.77	-	65,65,65,65	0
32	MG	A	3079	1/1	0.28	-	127,127,127,127	0
32	MG	A	3553	1/1	0.21	-	93,93,93,93	0
32	MG	6	219	1/1	0.40	-	77,77,77,77	0
32	MG	A	3703	1/1	0.42	-	50,50,50,50	0
32	MG	6	134	1/1	0.21	-	66,66,66,66	0
32	MG	A	3662	1/1	0.25	-	22,22,22,22	0
32	MG	A	3691	1/1	0.52	-	59,59,59,59	0
32	MG	A	3051	1/1	0.06	-	127,127,127,127	0
32	MG	E	208	1/1	0.48	-	32,32,32,32	0
32	MG	A	3783	1/1	0.48	-	76,76,76,76	0
32	MG	A	3309	1/1	0.65	-	38,38,38,38	0
32	MG	A	3492	1/1	0.09	-	21,21,21,21	0
32	MG	A	2988	1/1	0.07	-	26,26,26,26	0
32	MG	A	3396	1/1	0.52	-	124,124,124,124	0
32	MG	P	860	1/1	0.34	-	72,72,72,72	0
32	MG	A	3294	1/1	0.15	-	85,85,85,85	0
32	MG	A	3541	1/1	0.27	-	87,87,87,87	0
32	MG	6	1354	1/1	0.51	-	99,99,99,99	0
32	MG	A	3655	1/1	0.25	-	73,73,73,73	0
32	MG	A	2913	1/1	0.15	-	32,32,32,32	0
32	MG	A	3670	1/1	0.62	-	45,45,45,45	0
32	MG	A	3699	1/1	0.62	-	46,46,46,46	0
32	MG	A	3049	1/1	0.33	-	129,129,129,129	0
32	MG	A	3490	1/1	0.26	-	69,69,69,69	0
32	MG	A	2986	1/1	0.31	-	47,47,47,47	0
32	MG	K	232	1/1	0.20	-	87,87,87,87	0
32	MG	A	3739	1/1	0.89	-	41,41,41,41	0
32	MG	A	3054	1/1	0.87	-	91,91,91,91	0
32	MG	6	771	1/1	0.14	-	93,93,93,93	0
32	MG	A	2999	1/1	0.49	-	41,41,41,41	0
32	MG	6	413	1/1	0.34	-	79,79,79,79	0
32	MG	A	3229	1/1	0.40	-	126,126,126,126	0
32	MG	Q	887	1/1	0.32	-	97,97,97,97	0
32	MG	A	3155	1/1	0.53	-	59,59,59,59	0
32	MG	A	3307	1/1	0.47	-	96,96,96,96	0
32	MG	6	453	1/1	0.51	-	63,63,63,63	0
32	MG	B	312	1/1	0.06	-	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3152	1/1	0.41	-	30,30,30,30	0
32	MG	A	2991	1/1	0.27	-	36,36,36,36	0
32	MG	A	3220	1/1	0.28	-	81,81,81,81	0
32	MG	6	1163	1/1	0.84	-	83,83,83,83	0
32	MG	A	3577	1/1	0.94	-	81,81,81,81	0
32	MG	B	479	1/1	0.31	-	93,93,93,93	0
32	MG	F	1279	1/1	0.85	-	70,70,70,70	0
32	MG	6	737	1/1	0.83	-	95,95,95,95	0
32	MG	A	3702	1/1	0.42	-	58,58,58,58	0
32	MG	A	3239	1/1	0.20	-	111,111,111,111	0
32	MG	A	3696	1/1	0.24	-	80,80,80,80	0
32	MG	6	962	1/1	0.14	-	97,97,97,97	0
32	MG	A	3128	1/1	0.47	-	40,40,40,40	0
32	MG	B	202	1/1	0.33	-	78,78,78,78	0
32	MG	C	1286	1/1	0.39	-	80,80,80,80	0
32	MG	A	3812	1/1	1.02	-	77,77,77,77	0
32	MG	A	3251	1/1	0.31	-	73,73,73,73	0
32	MG	A	3316	1/1	1.24	-	81,81,81,81	0
32	MG	A	273	1/1	0.51	-	51,51,51,51	0
32	MG	A	3421	1/1	0.31	-	63,63,63,63	0
32	MG	Y	63	1/1	0.09	-	12,12,12,12	0
32	MG	A	3810	1/1	0.39	-	80,80,80,80	0
32	MG	A	3209	1/1	0.25	-	98,98,98,98	0
32	MG	6	1438	1/1	0.89	-	85,85,85,85	0
32	MG	A	3742	1/1	0.66	-	57,57,57,57	0
32	MG	A	3594	1/1	0.36	-	73,73,73,73	0
32	MG	6	891	1/1	0.60	-	181,181,181,181	0
32	MG	A	3682	1/1	0.63	-	61,61,61,61	0
32	MG	A	3711	1/1	0.18	-	57,57,57,57	0
32	MG	A	3854	1/1	0.39	-	76,76,76,76	0
32	MG	A	3150	1/1	0.65	-	53,53,53,53	0
32	MG	A	3495	1/1	0.55	-	66,66,66,66	0
32	MG	A	3757	1/1	0.39	-	61,61,61,61	0
32	MG	C	1130	1/1	0.24	-	58,58,58,58	0
32	MG	A	3507	1/1	0.18	-	51,51,51,51	0
32	MG	A	3474	1/1	0.58	-	79,79,79,79	0
32	MG	G	1270	1/1	0.25	-	102,102,102,102	0
32	MG	A	3403	1/1	0.54	-	56,56,56,56	0
32	MG	6	320	1/1	0.79	-	117,117,117,117	0
32	MG	A	2989	1/1	0.43	-	32,32,32,32	0
32	MG	A	3313	1/1	0.28	-	78,78,78,78	0
32	MG	A	2982	1/1	0.29	-	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3792	1/1	0.61	-	97,97,97,97	0
32	MG	A	3145	1/1	0.47	-	70,70,70,70	0
32	MG	A	3463	1/1	0.67	-	86,86,86,86	0
32	MG	A	3274	1/1	0.55	-	71,71,71,71	0
32	MG	A	3839	1/1	0.83	-	84,84,84,84	0
32	MG	A	3058	1/1	0.34	-	49,49,49,49	0
32	MG	A	3714	1/1	0.84	-	70,70,70,70	0
32	MG	6	1178	1/1	0.77	-	135,135,135,135	0
32	MG	6	241	1/1	0.14	-	49,49,49,49	0
32	MG	A	3465	1/1	0.21	-	61,61,61,61	0
32	MG	6	1379	1/1	0.24	-	144,144,144,144	0
32	MG	6	1244	1/1	0.29	-	76,76,76,76	0
32	MG	6	854	1/1	1.13	-	100,100,100,100	0
32	MG	A	3650	1/1	0.18	-	63,63,63,63	0
32	MG	A	3822	1/1	0.27	-	56,56,56,56	0
32	MG	6	1346	1/1	0.55	-	95,95,95,95	0
32	MG	A	3405	1/1	0.39	-	67,67,67,67	0
32	MG	A	3370	1/1	0.34	-	80,80,80,80	0
32	MG	6	1037	1/1	0.82	-	96,96,96,96	0
32	MG	6	177	1/1	0.78	-	84,84,84,84	0
32	MG	J	504	1/1	0.81	-	61,61,61,61	0
32	MG	6	517	1/1	0.06	-	83,83,83,83	0
32	MG	6	318	1/1	0.10	-	87,87,87,87	0
32	MG	6	411	1/1	0.23	-	90,90,90,90	0
32	MG	B	468	1/1	0.64	-	103,103,103,103	0
32	MG	A	3365	1/1	0.10	-	99,99,99,99	0
32	MG	A	3219	1/1	0.57	-	88,88,88,88	0
32	MG	A	3532	1/1	1.54	-	147,147,147,147	0
32	MG	A	2984	1/1	0.17	-	36,36,36,36	0
32	MG	A	3185	1/1	0.31	-	108,108,108,108	0
32	MG	6	313	1/1	0.13	-	111,111,111,111	0
32	MG	A	3329	1/1	0.81	-	76,76,76,76	0
32	MG	6	681	1/1	0.34	-	117,117,117,117	0
32	MG	A	3304	1/1	0.51	-	105,105,105,105	0
32	MG	6	559	1/1	0.44	-	76,76,76,76	0
32	MG	A	3356	1/1	0.48	-	107,107,107,107	0
32	MG	A	3752	1/1	1.37	-	65,65,65,65	0
32	MG	A	3157	1/1	0.92	-	58,58,58,58	0
32	MG	A	3591	1/1	0.33	-	152,152,152,152	0
32	MG	6	751	1/1	0.20	-	67,67,67,67	0
32	MG	6	684	1/1	0.23	-	71,71,71,71	0
32	MG	A	3130	1/1	0.49	-	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3497	1/1	0.23	-	97,97,97,97	0
32	MG	A	3646	1/1	0.24	-	84,84,84,84	0
32	MG	A	3250	1/1	0.28	-	57,57,57,57	0
32	MG	K	374	1/1	0.80	-	86,86,86,86	0
32	MG	A	3343	1/1	0.14	-	83,83,83,83	0
32	MG	A	3101	1/1	0.26	-	65,65,65,65	0
32	MG	6	1341	1/1	0.27	-	88,88,88,88	0
32	MG	A	3897	1/1	0.23	-	98,98,98,98	0
32	MG	A	3518	1/1	0.30	-	70,70,70,70	0
32	MG	A	3857	1/1	0.19	-	59,59,59,59	0
32	MG	A	3378	1/1	0.08	-	92,92,92,92	0
32	MG	A	3534	1/1	1.75	-	87,87,87,87	0
32	MG	6	163	1/1	0.22	-	94,94,94,94	0
32	MG	A	2944	1/1	0.53	-	25,25,25,25	0
32	MG	A	3069	1/1	0.10	-	68,68,68,68	0
32	MG	A	3875	1/1	0.89	-	135,135,135,135	0
32	MG	6	1187	1/1	0.14	-	75,75,75,75	0
32	MG	6	1263	1/1	0.24	-	97,97,97,97	0
32	MG	A	3567	1/1	1.06	-	82,82,82,82	0
32	MG	A	3037	1/1	0.34	-	60,60,60,60	0
32	MG	A	3626	1/1	0.54	-	128,128,128,128	0
32	MG	A	3013	1/1	0.35	-	48,48,48,48	0
32	MG	A	3426	1/1	0.12	-	96,96,96,96	0
32	MG	A	3233	1/1	0.09	-	59,59,59,59	0
32	MG	6	946	1/1	0.19	-	96,96,96,96	0
32	MG	A	3184	1/1	0.27	-	65,65,65,65	0
32	MG	6	1200	1/1	0.19	-	113,113,113,113	0
32	MG	A	2994	1/1	0.09	-	25,25,25,25	0
32	MG	A	3210	1/1	0.40	-	73,73,73,73	0
32	MG	A	3859	1/1	0.66	-	70,70,70,70	0
32	MG	A	3866	1/1	0.68	-	85,85,85,85	0
32	MG	A	3488	1/1	0.31	-	76,76,76,76	0
32	MG	A	3190	1/1	0.42	-	53,53,53,53	0
32	MG	A	3433	1/1	0.36	-	67,67,67,67	0
32	MG	A	3008	1/1	0.19	-	52,52,52,52	0
32	MG	A	3099	1/1	0.45	-	54,54,54,54	0
32	MG	A	3509	1/1	0.29	-	108,108,108,108	0
32	MG	A	3745	1/1	0.45	-	70,70,70,70	0
32	MG	A	3533	1/1	0.21	-	77,77,77,77	0
32	MG	A	3582	1/1	0.60	-	97,97,97,97	0
32	MG	A	3543	1/1	0.88	-	71,71,71,71	0
32	MG	A	3657	1/1	0.61	-	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	586	1/1	0.09	-	109,109,109,109	0
32	MG	6	1205	1/1	0.21	-	115,115,115,115	0
32	MG	A	3486	1/1	0.28	-	48,48,48,48	0
32	MG	6	725	1/1	0.19	-	114,114,114,114	0
32	MG	A	3086	1/1	0.62	-	72,72,72,72	0
32	MG	6	624	1/1	0.18	-	76,76,76,76	0
32	MG	A	2943	1/1	0.71	-	56,56,56,56	0
32	MG	A	2975	1/1	0.27	-	40,40,40,40	0
32	MG	6	275	1/1	0.62	-	99,99,99,99	0
32	MG	6	1355	1/1	0.18	-	84,84,84,84	0
32	MG	K	1268	1/1	0.34	-	73,73,73,73	0
32	MG	A	3351	1/1	0.34	-	76,76,76,76	0
32	MG	A	3717	1/1	0.74	-	63,63,63,63	0
32	MG	A	3428	1/1	0.38	-	71,71,71,71	0
32	MG	P	1318	1/1	0.34	-	87,87,87,87	0
32	MG	A	3137	1/1	0.43	-	86,86,86,86	0
32	MG	6	656	1/1	0.37	-	141,141,141,141	0
32	MG	A	3513	1/1	0.42	-	91,91,91,91	0
32	MG	B	687	1/1	0.19	-	98,98,98,98	0
32	MG	A	2914	1/1	0.43	-	37,37,37,37	0
32	MG	6	1191	1/1	0.19	-	105,105,105,105	0
32	MG	6	801	1/1	0.38	-	94,94,94,94	0
32	MG	A	3324	1/1	0.33	-	90,90,90,90	0
32	MG	A	3821	1/1	0.40	-	92,92,92,92	0
32	MG	6	995	1/1	0.41	-	83,83,83,83	0
32	MG	A	2964	1/1	0.18	-	29,29,29,29	0
32	MG	A	2977	1/1	0.38	-	52,52,52,52	0
32	MG	A	3683	1/1	0.44	-	69,69,69,69	0
32	MG	A	3903	1/1	0.91	-	104,104,104,104	0
32	MG	6	1031	1/1	0.54	-	135,135,135,135	0
32	MG	A	3521	1/1	0.42	-	52,52,52,52	0
32	MG	A	3238	1/1	0.36	-	80,80,80,80	0
32	MG	A	3531	1/1	0.38	-	101,101,101,101	0
32	MG	A	3805	1/1	0.28	-	37,37,37,37	0
32	MG	A	3441	1/1	0.49	-	79,79,79,79	0
32	MG	A	3701	1/1	0.47	-	60,60,60,60	0
32	MG	A	3895	1/1	0.72	-	104,104,104,104	0
32	MG	A	3879	1/1	0.67	-	81,81,81,81	0
32	MG	A	3802	1/1	0.35	-	79,79,79,79	0
32	MG	A	3216	1/1	0.29	-	54,54,54,54	0
32	MG	A	3430	1/1	0.17	-	103,103,103,103	0
32	MG	A	3716	1/1	0.44	-	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3285	1/1	0.23	-	36,36,36,36	0
32	MG	A	3516	1/1	0.37	-	101,101,101,101	0
32	MG	A	2950	1/1	0.39	-	40,40,40,40	0
32	MG	A	437	1/1	0.18	-	139,139,139,139	0
32	MG	A	3297	1/1	0.38	-	84,84,84,84	0
32	MG	A	3826	1/1	0.23	-	90,90,90,90	0
32	MG	A	3789	1/1	0.19	-	89,89,89,89	0
32	MG	A	3852	1/1	0.72	-	74,74,74,74	0
32	MG	A	3138	1/1	0.24	-	94,94,94,94	0
32	MG	A	3212	1/1	0.33	-	83,83,83,83	0
32	MG	A	3400	1/1	0.17	-	127,127,127,127	0
32	MG	A	3593	1/1	0.49	-	99,99,99,99	0
32	MG	6	71	1/1	0.56	-	57,57,57,57	0
32	MG	A	3888	1/1	0.83	-	105,105,105,105	0
32	MG	A	3847	1/1	0.18	-	102,102,102,102	0
32	MG	A	3215	1/1	0.36	-	43,43,43,43	0
32	MG	A	3302	1/1	0.10	-	130,130,130,130	0
32	MG	A	3059	1/1	1.14	-	80,80,80,80	0
32	MG	6	1185	1/1	0.30	-	99,99,99,99	0
32	MG	A	3612	1/1	0.20	-	58,58,58,58	0
32	MG	A	3427	1/1	0.60	-	85,85,85,85	0
32	MG	A	3336	1/1	0.32	-	78,78,78,78	0
32	MG	B	731	1/1	0.58	-	137,137,137,137	0
32	MG	6	251	1/1	0.25	-	85,85,85,85	0
32	MG	6	539	1/1	0.18	-	107,107,107,107	0
32	MG	6	1363	1/1	0.17	-	87,87,87,87	0
32	MG	6	1371	1/1	0.69	-	100,100,100,100	0
32	MG	6	1310	1/1	0.15	-	84,84,84,84	0
32	MG	A	3323	1/1	0.80	-	88,88,88,88	0
32	MG	A	2976	1/1	0.31	-	39,39,39,39	0
32	MG	A	3375	1/1	0.64	-	78,78,78,78	0
32	MG	6	1473	1/1	0.89	-	93,93,93,93	0
32	MG	A	3514	1/1	0.23	-	97,97,97,97	0
32	MG	6	299	1/1	0.14	-	115,115,115,115	0
32	MG	A	974	1/1	0.69	-	80,80,80,80	0
32	MG	6	932	1/1	0.07	-	112,112,112,112	0
32	MG	A	3200	1/1	0.30	-	75,75,75,75	0
32	MG	A	3056	1/1	0.17	-	61,61,61,61	0
32	MG	A	3546	1/1	0.73	-	60,60,60,60	0
32	MG	A	3820	1/1	0.96	-	114,114,114,114	0
32	MG	A	3112	1/1	0.46	-	38,38,38,38	0
32	MG	A	3406	1/1	0.38	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3025	1/1	0.88	-	79,79,79,79	0
32	MG	6	1469	1/1	0.47	-	110,110,110,110	0
32	MG	A	3522	1/1	0.56	-	159,159,159,159	0
32	MG	A	3264	1/1	0.24	-	94,94,94,94	0
32	MG	A	3107	1/1	0.31	-	52,52,52,52	0
32	MG	A	2983	1/1	0.44	-	20,20,20,20	0
32	MG	A	3790	1/1	0.28	-	60,60,60,60	0
32	MG	A	3397	1/1	0.54	-	80,80,80,80	0
32	MG	A	3738	1/1	0.42	-	84,84,84,84	0
32	MG	6	294	1/1	0.67	-	70,70,70,70	0
32	MG	A	3349	1/1	0.35	-	105,105,105,105	0
32	MG	A	2963	1/1	0.27	-	39,39,39,39	0
32	MG	6	456	1/1	0.09	-	80,80,80,80	0
32	MG	K	221	1/1	0.14	-	94,94,94,94	0
32	MG	A	3520	1/1	0.31	-	64,64,64,64	0
32	MG	A	3282	1/1	0.18	-	57,57,57,57	0
32	MG	A	3012	1/1	0.36	-	60,60,60,60	0
32	MG	6	1105	1/1	0.55	-	71,71,71,71	0
32	MG	A	2945	1/1	0.65	-	46,46,46,46	0
32	MG	A	3556	1/1	0.26	-	65,65,65,65	0
32	MG	X	885	1/1	0.26	-	91,91,91,91	0
32	MG	A	2960	1/1	0.13	-	39,39,39,39	0
32	MG	6	463	1/1	0.10	-	65,65,65,65	0
32	MG	A	3727	1/1	0.30	-	74,74,74,74	0
32	MG	A	3331	1/1	0.52	-	120,120,120,120	0
32	MG	A	3270	1/1	0.35	-	38,38,38,38	0
32	MG	A	3102	1/1	0.07	-	84,84,84,84	0
32	MG	A	3280	1/1	0.32	-	44,44,44,44	0
32	MG	6	778	1/1	0.17	-	98,98,98,98	0
32	MG	6	1026	1/1	0.52	-	78,78,78,78	0
32	MG	6	1067	1/1	0.22	-	107,107,107,107	0
32	MG	A	3565	1/1	0.47	-	115,115,115,115	0
32	MG	A	3395	1/1	0.44	-	78,78,78,78	0
32	MG	A	3142	1/1	0.40	-	43,43,43,43	0
32	MG	A	3672	1/1	0.56	-	60,60,60,60	0
32	MG	A	3202	1/1	0.31	-	34,34,34,34	0
32	MG	A	3018	1/1	0.35	-	58,58,58,58	0
32	MG	6	1300	1/1	1.13	-	118,118,118,118	0
32	MG	A	3224	1/1	0.41	-	64,64,64,64	0
32	MG	A	3776	1/1	0.15	-	109,109,109,109	0
32	MG	6	1087	1/1	0.47	-	96,96,96,96	0
32	MG	A	3471	1/1	0.32	-	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	2966	1/1	0.12	-	37,37,37,37	0
32	MG	6	732	1/1	0.31	-	90,90,90,90	0
32	MG	A	3629	1/1	0.37	-	74,74,74,74	0
32	MG	6	1485	1/1	0.21	-	98,98,98,98	0
32	MG	A	3584	1/1	0.21	-	87,87,87,87	0
32	MG	A	3566	1/1	0.54	-	65,65,65,65	0
32	MG	A	3545	1/1	0.21	-	106,106,106,106	0
32	MG	6	829	1/1	0.20	-	133,133,133,133	0
32	MG	6	419	1/1	0.44	-	81,81,81,81	0
32	MG	A	3620	1/1	0.50	-	91,91,91,91	0
32	MG	A	2933	1/1	0.50	-	54,54,54,54	0
32	MG	6	551	1/1	5.51	-	169,169,169,169	0
32	MG	A	2996	1/1	0.26	-	62,62,62,62	0
32	MG	6	1056	1/1	0.17	-	103,103,103,103	0
32	MG	A	3887	1/1	0.56	-	91,91,91,91	0
32	MG	A	3763	1/1	0.77	-	134,134,134,134	0
32	MG	A	3759	1/1	0.29	-	81,81,81,81	0
32	MG	A	3614	1/1	1.35	-	113,113,113,113	0
32	MG	A	3686	1/1	0.91	-	71,71,71,71	0
32	MG	A	3019	1/1	0.57	-	80,80,80,80	0
32	MG	A	3287	1/1	0.59	-	70,70,70,70	0
32	MG	A	3537	1/1	0.18	-	85,85,85,85	0
32	MG	6	1389	1/1	0.20	-	87,87,87,87	0
32	MG	A	3693	1/1	0.41	-	61,61,61,61	0
32	MG	A	2985	1/1	0.52	-	60,60,60,60	0
32	MG	A	2971	1/1	0.57	-	49,49,49,49	0
32	MG	A	3303	1/1	0.51	-	78,78,78,78	0
32	MG	A	3844	1/1	0.45	-	61,61,61,61	0
32	MG	A	368	1/1	0.17	-	96,96,96,96	0
32	MG	6	481	1/1	0.62	-	65,65,65,65	0
32	MG	A	3002	1/1	0.44	-	50,50,50,50	0
32	MG	6	1005	1/1	0.52	-	103,103,103,103	0
32	MG	B	930	1/1	0.27	-	104,104,104,104	0
32	MG	P	379	1/1	0.30	-	106,106,106,106	0
32	MG	6	119	1/1	0.25	-	121,121,121,121	0
32	MG	A	3902	1/1	1.20	-	119,119,119,119	0
32	MG	6	1203	1/1	1.21	-	127,127,127,127	0
32	MG	A	3066	1/1	0.22	-	51,51,51,51	0
32	MG	A	3539	1/1	0.16	-	104,104,104,104	0
32	MG	A	3039	1/1	0.23	-	63,63,63,63	0
32	MG	A	3149	1/1	0.19	-	106,106,106,106	0
32	MG	6	1458	1/1	2.52	-	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3181	1/1	0.75	-	83,83,83,83	0
32	MG	A	3376	1/1	0.32	-	84,84,84,84	0
32	MG	6	282	1/1	0.23	-	101,101,101,101	0
32	MG	A	3730	1/1	0.35	-	68,68,68,68	0
32	MG	A	3186	1/1	0.41	-	97,97,97,97	0
32	MG	A	2961	1/1	0.33	-	34,34,34,34	0
32	MG	A	3330	1/1	0.14	-	123,123,123,123	0
32	MG	A	3162	1/1	0.34	-	84,84,84,84	0
32	MG	A	3132	1/1	0.24	-	67,67,67,67	0
32	MG	A	270	1/1	0.33	-	93,93,93,93	0
32	MG	6	403	1/1	0.43	-	70,70,70,70	0
32	MG	A	3728	1/1	0.41	-	70,70,70,70	0
32	MG	A	2980	1/1	0.29	-	41,41,41,41	0
32	MG	A	3258	1/1	0.26	-	51,51,51,51	0
32	MG	6	1021	1/1	0.48	-	134,134,134,134	0
32	MG	A	3357	1/1	0.24	-	69,69,69,69	0
32	MG	A	3633	1/1	0.43	-	128,128,128,128	0
32	MG	A	3341	1/1	0.68	-	68,68,68,68	0
32	MG	A	3515	1/1	0.40	-	105,105,105,105	0
32	MG	6	795	1/1	0.25	-	139,139,139,139	0
32	MG	A	3575	1/1	0.14	-	92,92,92,92	0
32	MG	A	3461	1/1	0.46	-	121,121,121,121	0
32	MG	A	3127	1/1	0.17	-	81,81,81,81	0
32	MG	A	3643	1/1	0.81	-	90,90,90,90	0
32	MG	6	1412	1/1	0.22	-	92,92,92,92	0
32	MG	6	1450	1/1	0.31	-	91,91,91,91	0
32	MG	A	3437	1/1	0.68	-	64,64,64,64	0
32	MG	A	3768	1/1	0.69	-	133,133,133,133	0
32	MG	A	3118	1/1	0.26	-	93,93,93,93	0
32	MG	B	1375	1/1	0.23	-	107,107,107,107	0
32	MG	A	3589	1/1	0.32	-	93,93,93,93	0
32	MG	Q	742	1/1	0.49	-	57,57,57,57	0
32	MG	6	317	1/1	0.34	-	111,111,111,111	0
32	MG	6	845	1/1	0.24	-	94,94,94,94	0
32	MG	A	3600	1/1	0.41	-	119,119,119,119	0
32	MG	A	3071	1/1	0.29	-	65,65,65,65	0
32	MG	A	3444	1/1	0.50	-	59,59,59,59	0
32	MG	6	301	1/1	0.17	-	94,94,94,94	0
32	MG	A	3154	1/1	0.34	-	83,83,83,83	0
32	MG	6	1301	1/1	0.21	-	105,105,105,105	0
32	MG	6	1288	1/1	1.49	-	138,138,138,138	0
32	MG	2	1189	1/1	0.44	-	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3845	1/1	0.14	-	116,116,116,116	0
32	MG	A	3828	1/1	0.19	-	106,106,106,106	0
32	MG	A	3732	1/1	0.40	-	75,75,75,75	0
32	MG	A	3141	1/1	0.29	-	76,76,76,76	0
32	MG	A	3833	1/1	1.21	-	79,79,79,79	0
32	MG	6	617	1/1	0.28	-	76,76,76,76	0
32	MG	A	3401	1/1	0.65	-	100,100,100,100	0
32	MG	6	518	1/1	0.27	-	114,114,114,114	0
32	MG	A	3558	1/1	0.36	-	53,53,53,53	0
32	MG	A	3746	1/1	0.47	-	84,84,84,84	0
32	MG	A	3775	1/1	0.49	-	64,64,64,64	0
32	MG	A	3694	1/1	0.56	-	83,83,83,83	0
32	MG	A	3782	1/1	1.29	-	87,87,87,87	0
32	MG	6	1374	1/1	0.33	-	81,81,81,81	0
32	MG	A	3880	1/1	0.66	-	80,80,80,80	0
32	MG	A	3374	1/1	0.28	-	68,68,68,68	0
32	MG	A	2931	1/1	0.12	-	21,21,21,21	0
32	MG	A	156	1/1	0.66	-	89,89,89,89	0
32	MG	A	3675	1/1	0.58	-	66,66,66,66	0
32	MG	A	3085	1/1	0.13	-	68,68,68,68	0
32	MG	6	1053	1/1	0.37	-	129,129,129,129	0
32	MG	A	3077	1/1	0.42	-	71,71,71,71	0
32	MG	A	3063	1/1	0.12	-	78,78,78,78	0
32	MG	A	3630	1/1	0.43	-	74,74,74,74	0
32	MG	A	3684	1/1	0.31	-	65,65,65,65	0
32	MG	6	1251	1/1	0.69	-	112,112,112,112	0
32	MG	A	3373	1/1	0.39	-	107,107,107,107	0
32	MG	A	3452	1/1	0.39	-	79,79,79,79	0
32	MG	A	3278	1/1	0.23	-	104,104,104,104	0
32	MG	A	3862	1/1	0.73	-	103,103,103,103	0
32	MG	A	3784	1/1	0.48	-	74,74,74,74	0
32	MG	A	2956	1/1	0.16	-	37,37,37,37	0
32	MG	P	1132	1/1	0.39	-	76,76,76,76	0
32	MG	A	3361	1/1	0.34	-	83,83,83,83	0
32	MG	M	1400	1/1	1.56	-	106,106,106,106	0
32	MG	A	3622	1/1	0.41	-	103,103,103,103	0
32	MG	A	3616	1/1	0.19	-	108,108,108,108	0
32	MG	A	42	1/1	0.38	-	21,21,21,21	0
32	MG	B	609	1/1	0.24	-	73,73,73,73	0
32	MG	6	868	1/1	0.17	-	94,94,94,94	0
32	MG	A	3007	1/1	0.82	-	52,52,52,52	0
32	MG	6	1206	1/1	0.21	-	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3877	1/1	0.28	-	117,117,117,117	0
32	MG	A	2962	1/1	0.56	-	36,36,36,36	0
32	MG	A	2929	1/1	0.24	-	43,43,43,43	0
32	MG	A	170	1/1	0.36	-	39,39,39,39	0
32	MG	A	3598	1/1	0.24	-	68,68,68,68	0
32	MG	A	3032	1/1	0.32	-	37,37,37,37	0
32	MG	A	3455	1/1	0.17	-	37,37,37,37	0
32	MG	A	3457	1/1	0.52	-	87,87,87,87	0
32	MG	A	3408	1/1	0.22	-	109,109,109,109	0
32	MG	A	3530	1/1	0.10	-	133,133,133,133	0
32	MG	A	3834	1/1	0.32	-	88,88,88,88	0
32	MG	K	744	1/1	0.50	-	69,69,69,69	0
32	MG	A	3435	1/1	0.23	-	97,97,97,97	0
32	MG	6	1195	1/1	0.32	-	109,109,109,109	0
32	MG	B	1417	1/1	0.20	-	90,90,90,90	0
32	MG	A	3363	1/1	0.37	-	97,97,97,97	0
32	MG	A	3217	1/1	0.19	-	59,59,59,59	0
32	MG	A	3281	1/1	0.28	-	61,61,61,61	0
32	MG	A	3183	1/1	0.49	-	46,46,46,46	0
32	MG	A	3506	1/1	0.49	-	62,62,62,62	0
32	MG	A	3034	1/1	0.45	-	51,51,51,51	0
32	MG	A	3774	1/1	0.54	-	105,105,105,105	0
32	MG	6	817	1/1	0.67	-	122,122,122,122	0
32	MG	F	1362	1/1	0.19	-	129,129,129,129	0
32	MG	A	2940	1/1	0.30	-	52,52,52,52	0
32	MG	6	1394	1/1	3.09	-	102,102,102,102	0
32	MG	A	3814	1/1	0.43	-	55,55,55,55	0
32	MG	6	1276	1/1	0.30	-	135,135,135,135	0
32	MG	A	3235	1/1	0.24	-	100,100,100,100	0
32	MG	A	2941	1/1	0.18	-	43,43,43,43	0
32	MG	6	50	1/1	0.23	-	60,60,60,60	0
32	MG	A	3237	1/1	0.24	-	92,92,92,92	0
32	MG	6	332	1/1	0.28	-	94,94,94,94	0
32	MG	A	3268	1/1	0.27	-	59,59,59,59	0
32	MG	B	1359	1/1	0.52	-	74,74,74,74	0
32	MG	6	295	1/1	0.22	-	94,94,94,94	0
32	MG	A	3048	1/1	0.29	-	55,55,55,55	0
32	MG	A	2918	1/1	0.23	-	25,25,25,25	0
32	MG	A	3659	1/1	0.39	-	73,73,73,73	0
32	MG	A	3704	1/1	0.18	-	41,41,41,41	0
32	MG	A	3747	1/1	0.29	-	79,79,79,79	0
32	MG	A	3041	1/1	0.11	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	3899	1/1	1.03	-	55,55,55,55	0
32	MG	A	3076	1/1	0.12	-	83,83,83,83	0
32	MG	P	1041	1/1	0.18	-	90,90,90,90	0
32	MG	A	3167	1/1	0.19	-	50,50,50,50	0
32	MG	A	2951	1/1	0.97	-	43,43,43,43	0
32	MG	6	1014	1/1	0.20	-	76,76,76,76	0
32	MG	A	3715	1/1	0.73	-	96,96,96,96	0
32	MG	A	3733	1/1	0.12	-	54,54,54,54	0
32	MG	A	3458	1/1	0.22	-	81,81,81,81	0
32	MG	6	1324	1/1	0.25	-	97,97,97,97	0
32	MG	A	3547	1/1	0.38	-	83,83,83,83	0
32	MG	A	3729	1/1	0.66	-	60,60,60,60	0
32	MG	P	1483	1/1	0.21	-	124,124,124,124	0
32	MG	A	3846	1/1	0.58	-	84,84,84,84	0
32	MG	A	3798	1/1	0.14	-	123,123,123,123	0
32	MG	A	2942	1/1	0.37	-	33,33,33,33	0
32	MG	A	3878	1/1	0.34	-	86,86,86,86	0
32	MG	6	800	1/1	0.78	-	76,76,76,76	0
32	MG	6	784	1/1	0.69	-	104,104,104,104	0
32	MG	B	1410	1/1	0.86	-	123,123,123,123	0
32	MG	6	478	1/1	0.17	-	79,79,79,79	0
32	MG	A	3135	1/1	0.12	-	100,100,100,100	0
32	MG	6	1240	1/1	0.13	-	98,98,98,98	0
32	MG	6	607	1/1	0.63	-	85,85,85,85	0
32	MG	A	2905	1/1	0.76	-	21,21,21,21	0
32	MG	6	167	1/1	0.42	-	104,104,104,104	0
32	MG	A	2898	1/1	0.33	-	16,16,16,16	0
32	MG	A	3445	1/1	0.32	-	71,71,71,71	0
32	MG	6	642	1/1	0.69	-	93,93,93,93	0
32	MG	A	3639	1/1	0.54	-	115,115,115,115	0
32	MG	A	3773	1/1	0.21	-	47,47,47,47	0
32	MG	A	3301	1/1	0.71	-	95,95,95,95	0
32	MG	A	3	1/1	0.12	-	16,16,16,16	0
32	MG	6	788	1/1	1.95	-	203,203,203,203	0
32	MG	A	3023	1/1	0.48	-	74,74,74,74	0
32	MG	A	3021	1/1	0.41	-	53,53,53,53	0
32	MG	A	3381	1/1	0.41	-	69,69,69,69	0
32	MG	A	3350	1/1	0.59	-	79,79,79,79	0
32	MG	A	3698	1/1	0.49	-	47,47,47,47	0
32	MG	A	3269	1/1	0.79	-	99,99,99,99	0
32	MG	A	3383	1/1	0.52	-	121,121,121,121	0
32	MG	A	3559	1/1	0.67	-	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	A	2973	1/1	0.11	-	16,16,16,16	0
32	MG	A	2926	1/1	0.19	-	13,13,13,13	0
32	MG	A	3651	1/1	0.94	-	123,123,123,123	0
32	MG	A	3119	1/1	0.16	-	68,68,68,68	0
32	MG	6	1433	1/1	0.10	-	89,89,89,89	0
32	MG	6	460	1/1	0.81	-	130,130,130,130	0
32	MG	A	160	1/1	0.35	-	44,44,44,44	0
32	MG	A	3271	1/1	0.22	-	85,85,85,85	0
32	MG	F	942	1/1	0.54	-	159,159,159,159	0
32	MG	6	764	1/1	0.18	-	99,99,99,99	0
32	MG	A	2902	1/1	0.40	-	38,38,38,38	0
32	MG	A	3787	1/1	0.56	-	89,89,89,89	0
32	MG	A	3092	1/1	0.35	-	75,75,75,75	0
32	MG	6	940	1/1	0.24	-	99,99,99,99	0
32	MG	A	3625	1/1	0.47	-	79,79,79,79	0
32	MG	V	1091	1/1	1.06	-	128,128,128,128	0
32	MG	A	3035	1/1	0.68	-	43,43,43,43	0
32	MG	A	3797	1/1	0.68	-	64,64,64,64	0
32	MG	P	664	1/1	0.49	-	115,115,115,115	0
32	MG	A	3196	1/1	0.26	-	74,74,74,74	0
32	MG	A	3221	1/1	0.15	-	67,67,67,67	0
32	MG	A	3644	1/1	0.76	-	93,93,93,93	0
32	MG	A	3292	1/1	0.56	-	87,87,87,87	0
32	MG	A	3470	1/1	0.33	-	133,133,133,133	0
32	MG	A	3078	1/1	0.78	-	59,59,59,59	0
32	MG	6	290	1/1	0.87	-	79,79,79,79	0
32	MG	A	3348	1/1	0.45	-	121,121,121,121	0
32	MG	6	1036	1/1	0.38	-	58,58,58,58	0
32	MG	A	3564	1/1	0.58	-	110,110,110,110	0
32	MG	6	435	1/1	0.23	-	66,66,66,66	0
32	MG	K	538	1/1	0.55	-	60,60,60,60	0
32	MG	A	3526	1/1	0.31	-	73,73,73,73	0
32	MG	6	806	1/1	0.21	-	103,103,103,103	0
32	MG	6	679	1/1	0.87	-	87,87,87,87	0
32	MG	A	3508	1/1	0.44	-	87,87,87,87	0
32	MG	6	1073	1/1	0.11	-	87,87,87,87	0
32	MG	A	2947	1/1	0.35	-	41,41,41,41	0
32	MG	6	1344	1/1	4.19	-	117,117,117,117	0
32	MG	6	1332	1/1	0.13	-	127,127,127,127	0
32	MG	A	3318	1/1	0.25	-	85,85,85,85	0
32	MG	A	3276	1/1	0.51	-	65,65,65,65	0
32	MG	A	3860	1/1	1.19	-	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	B	121	1/1	0.22	-	69,69,69,69	0
32	MG	X	598	1/1	0.46	-	103,103,103,103	0
32	MG	6	805	1/1	0.20	-	95,95,95,95	0
32	MG	A	3362	1/1	0.74	-	73,73,73,73	0
32	MG	A	3027	1/1	0.51	-	79,79,79,79	0
32	MG	5	1113	1/1	0.97	-	71,71,71,71	0
32	MG	A	3036	1/1	0.20	-	89,89,89,89	0
32	MG	A	3536	1/1	0.72	-	84,84,84,84	0
32	MG	A	3115	1/1	0.11	-	64,64,64,64	0
32	MG	6	373	1/1	0.09	-	77,77,77,77	0
32	MG	6	1455	1/1	1.72	-	96,96,96,96	0
32	MG	E	257	1/1	0.17	-	83,83,83,83	0
32	MG	A	3067	1/1	1.26	-	83,83,83,83	0
32	MG	A	3345	1/1	0.11	-	116,116,116,116	0
32	MG	A	3498	1/1	0.21	-	70,70,70,70	0
32	MG	6	1079	1/1	0.37	-	107,107,107,107	0
32	MG	A	2937	1/1	0.24	-	25,25,25,25	0
32	MG	P	969	1/1	0.59	-	89,89,89,89	0
32	MG	A	3599	1/1	0.14	-	85,85,85,85	0
32	MG	A	3503	1/1	0.71	-	111,111,111,111	0
32	MG	A	3443	1/1	0.91	-	60,60,60,60	0
32	MG	6	1434	1/1	1.17	-	98,98,98,98	0
32	MG	B	1306	1/1	0.57	-	109,109,109,109	0
32	MG	L	958	1/1	0.18	-	146,146,146,146	0
32	MG	6	1290	1/1	0.13	-	109,109,109,109	0
32	MG	6	1062	1/1	1.28	-	111,111,111,111	0
32	MG	A	3284	1/1	1.15	-	66,66,66,66	0
32	MG	A	3804	1/1	0.36	-	114,114,114,114	0
32	MG	A	3308	1/1	0.79	-	77,77,77,77	0
32	MG	6	348	1/1	0.38	-	100,100,100,100	0
32	MG	A	3379	1/1	0.37	-	112,112,112,112	0
32	MG	A	3767	1/1	0.33	-	91,91,91,91	0
32	MG	P	869	1/1	0.72	-	110,110,110,110	0
32	MG	A	3479	1/1	0.29	-	95,95,95,95	0
32	MG	A	3182	1/1	0.10	-	84,84,84,84	0
32	MG	A	3411	1/1	0.48	-	68,68,68,68	0
32	MG	A	3765	1/1	0.20	-	136,136,136,136	0
32	MG	A	3333	1/1	0.44	-	59,59,59,59	0
32	MG	A	3601	1/1	0.17	-	130,130,130,130	0
32	MG	A	3218	1/1	0.31	-	80,80,80,80	0
32	MG	6	1308	1/1	0.96	-	100,100,100,100	0
32	MG	A	2970	1/1	1.54	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors( $\text{\AA}^2$ )	Q<0.9
32	MG	6	1340	1/1	0.23	-	76,76,76,76	0
32	MG	A	3861	1/1	0.57	-	113,113,113,113	0
32	MG	A	3223	1/1	0.10	-	82,82,82,82	0
32	MG	A	3538	1/1	2.27	-	107,107,107,107	0
32	MG	A	3029	1/1	0.23	-	70,70,70,70	0
32	MG	A	3043	1/1	1.50	-	62,62,62,62	0
32	MG	A	3475	1/1	1.23	-	83,83,83,83	0
32	MG	A	3208	1/1	0.20	-	60,60,60,60	0
32	MG	A	3771	1/1	0.28	-	84,84,84,84	0
32	MG	A	3561	1/1	0.32	-	97,97,97,97	0
32	MG	A	3889	1/1	0.33	-	89,89,89,89	0
32	MG	Y	1214	1/1	0.55	-	69,69,69,69	0
32	MG	A	3637	1/1	0.37	-	129,129,129,129	0
32	MG	A	3003	1/1	0.18	-	54,54,54,54	0
32	MG	6	376	1/1	1.28	-	76,76,76,76	0
32	MG	A	3660	1/1	0.42	-	12,12,12,12	0
32	MG	6	410	1/1	0.20	-	93,93,93,93	0
32	MG	A	3870	1/1	0.31	-	66,66,66,66	0
32	MG	A	3477	1/1	0.28	-	89,89,89,89	0
32	MG	X	1313	1/1	0.45	-	60,60,60,60	0
32	MG	A	3317	1/1	0.36	-	79,79,79,79	0
32	MG	A	3449	1/1	0.82	-	57,57,57,57	0
32	MG	A	3668	1/1	0.33	-	75,75,75,75	0
32	MG	A	3855	1/1	0.37	-	78,78,78,78	0

## 6.5 Other polymers ⓘ

There are no such residues in this entry.