



wwPDB X-ray Structure Validation Summary Report i

Feb 28, 2014 – 12:33 AM GMT

PDB ID : 3PYT
Title : Crystal structure of a complex containing domain 3 of CrPV IGR IRES RNA bound to the 70S ribosome. This file contains the 50S subunit of the first 70S ribosome.
Authors : Zhu, J.; Korostelev, A.; Costantino, D.; Noller, H.F.; Kieft, J.S.
Deposited on : 2010-12-13
Resolution : 3.40 Å(reported)

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

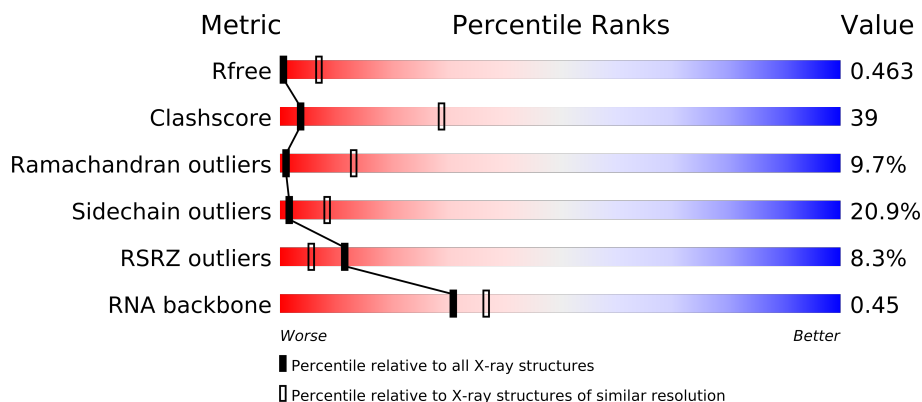
The following versions of software and data (see [references](#)) were used in the production of this report:

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 3.40 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	66092	1017 (3.52-3.28)
Clashscore	79885	1214 (3.50-3.30)
Ramachandran outliers	78287	1177 (3.50-3.30)
Sidechain outliers	78261	1177 (3.50-3.30)
RSRZ outliers	66119	1017 (3.52-3.28)
RNA backbone	1838	1002 (4.02-2.76)

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 ≥ 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	
12	L	146	

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Mol	Chain	Length	Quality of chain
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 89468 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
			59440	26455	11114	19112	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	7	Total	Mg	0	0
			7	7		
32	K	9	Total	Mg	0	0
			9	9		
32	B	17	Total	Mg	0	0
			17	17		

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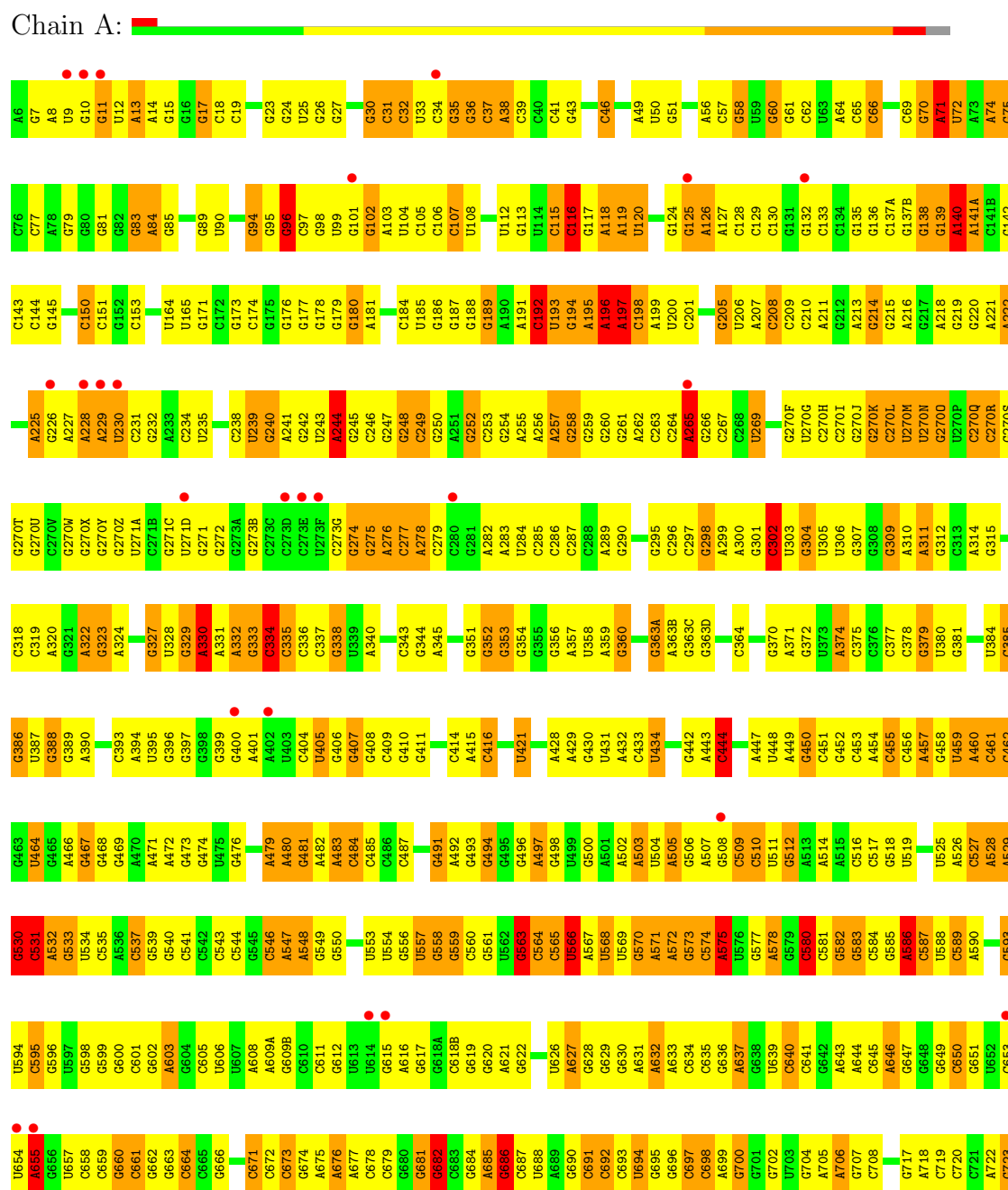
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
32	6	727	Total 727	Mg 727	0	0
32	A	431	Total 431	Mg 431	0	0
32	2	1	Total 1	Mg 1	0	0
32	F	2	Total 2	Mg 2	0	0

3 Residue-property plots

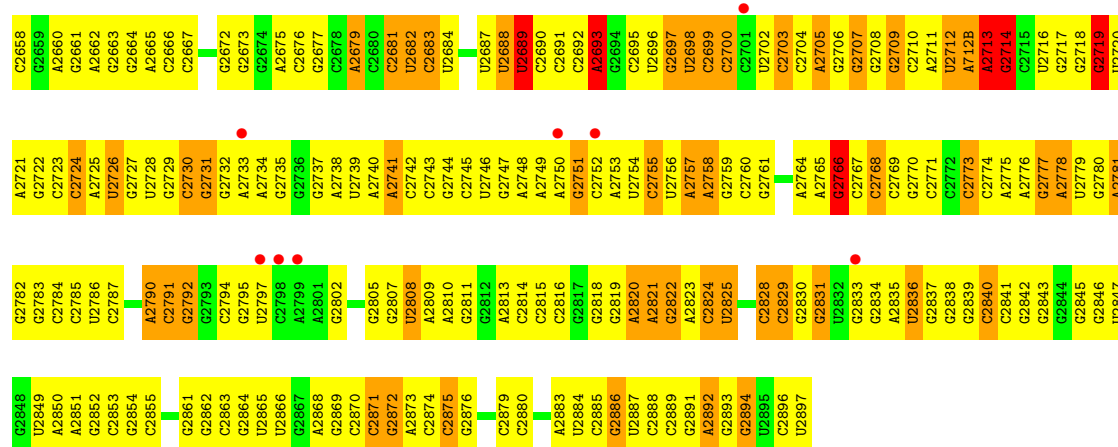
These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according 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.

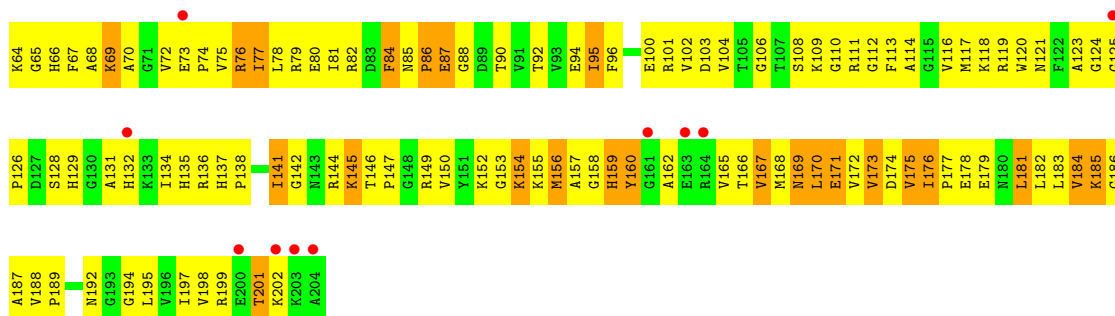
• Molecule 1: 23S ribosomal RNA



A1614	C1615	C1648	C1649	A1486	G1425	U1300	U1234	A1174	A1111	C985	C982	C790	U724
C1615	C1648	C1649	C1650	G1486	G1425	A1301	G1235	U1175	G1112	C986	C923	C791	G725
C1617	A1618	G1552	G1553	A1488	A1367	A1302	G1236	A1176	U1113	G987	C924	G792	G726
A1619	G1554	G1555	G1556	U1489	A1368	G1303	G1237	A1177	G1114	G988	C1053	A793	A727
G1620	G1557	G1558	G1559	G1490	G1369	C1304	G1238	C1178	G1115	G989	A926	G794	G728
U1621	G1560	G1561	G1562	A1491	G1370	A1308	U1240	C1179	G1116	C990	G928	G795	G729
G1622	G1563	G1564	G1565	C1492	G1371	G1309	A1241	C1180	G1117	C991	G929	C796	C730
C1625	C1626	C1627	C1628	A1493	U1372	G1310	A1242	C1181	C1118	C992	G932	C797	C731
G1630	C1631	C1632	C1633	U1494	U1373	G1311	G1243	C1182	C1121	G993	G933	U860	C732
C1634	C1635	C1636	C1637	A1495	A1374	G1312	G1244	G1183	G1122	C994	A933	G799	G733
C1638	C1639	C1640	C1641	U1496	G1375	U1313	G1245	G1184	C1123	C995	G934	G800	A734
U1639	C1642	C1643	C1644	C1497	C1376	G1314	G1246	G1185	G1124	A996	A936	G801	A735
A1634	C1645	C1646	C1647	C1498	C1377	C1315	U1249	G1186	G1125	G997	G937	A802	C736
C1648	C1649	C1650	C1651	C1499	U1378	U1316	U1250	G1187	G1126	C998	G938	U803	C737
C1652	C1653	C1654	C1655	U1500	A1379	U1317	C1251	U1188	A1127	U999	A941	A804	G738
C1656	C1657	C1658	C1659	U1501	G1380	C1318	G1252	U1189	A1128	A1000	G942	G805	G739
C1660	C1661	C1662	C1663	C1502	G1381	G1319	A1253	G1191	U1129	G1001	U943	G806	U740
C1664	C1665	C1666	C1667	A1503	C1382	C1320	U1254	G1192	U1130	G1002	G944	G807	G744
C1668	C1669	C1670	C1671	U1504	C1383	A1321	U1255	G1193	G1131	G1003	U944	G808	G745
C1672	C1673	C1674	C1675	A1505	A1384	A1322	G1256	A1194	A1132	C1005	A945	U810	A746
C1676	C1677	C1678	C1679	U1506	G1385	U1323	C1257	G1195	U1133	C1006	G946	U811	U747
C1680	C1681	C1682	C1683	C1448	C1386	G1324	G1258	C1196	U1141	C1007	G947	G812	G748
C1684	C1685	C1686	C1687	U1449	C1387	G1325	G1259	G1197	G1136	C1008	G948	U813	C749
C1688	C1689	C1690	C1691	A1493	G1388	U1326	C1261	U1198	G1137	C1009	C949	C814	A750
C1692	C1693	C1694	C1695	U1514	C1389	C1327	A1262	U1199	G1138	A1010	G950	C815	A751
C1696	C1697	C1698	C1699	C1450	U1390	G1328	U1263	C1200	G1139	G1011	G951	C816	A752
C1700	C1701	C1702	C1703	C1451	U1391	A1329	G1264	C1201	U1140	C1012	G952	C817	C753
C1704	C1705	C1706	C1707	C1452	A1392	C1330	G1265	C1202	U1141	C1013	A953	C818	C754
C1708	C1709	C1710	C1711	C1453	C1393	A1331	G1266	G1203	U1142	C1014	G954	A819	
C1712	C1713	C1714	C1715	C1454	A1394	G1332	U1267	A1204	A1148	C1015	C955	C886	C758
C1716	C1717	C1718	C1719	C1455	A1395	C1333	U1268	U1205	A1143	G1016	G956	U822	G759
C1720	C1721	C1722	C1723	C1456	U1396	G1334	A1269	C1207	U1144	C1017	A957	C887	G760
C1724	C1725	C1726	C1727	C1457	C1399	A1336	G1270	C1208	C1145	U1018	U958	A824	A761
C1728	C1729	C1730	C1731	C1458	G1400	G1337	A1271	C1209	C1146	A1020	A960	C825	U762
C1732	C1733	C1734	C1735	C1459	G1401	G1338	U1272	G1210	G1149	A1021	C961	U827	G763
C1736	C1737	C1738	C1739	C1460	C1402	G1339	A1274	U1211	C1150	G1022	G962	U828	A764
C1740	C1741	C1742	C1743	C1461	C1403	U1340	A1275	G1212	C1151	U1023	C963	A829	G768
C1744	C1745	C1746	C1747	C1462	C1404	U1341	A1276	A1213	C1152	G1024	C964	G830	G769
C1748	C1749	C1750	C1751	C1463	U1405	A1342	G1277	G1214	C1153	U1025	C965	G831	G770
C1752	C1753	C1754	C1755	C1464	U1406	G1343	A1278	G1215	G1154	G1026	G966	G832	G771
C1756	C1757	C1758	C1759	C1465	C1407	G1344	G1279	G1216	G1155	C1027	C967	U833	G772
C1760	C1761	C1762	C1763	C1466	C1408	G1345	G1281	C1217	A1156	A1028	G968	C834	U773
C1764	C1765	C1766	C1767	C1467	C1409	G1346	U1282	C1218	G1157	C903	U969	C835	A774
C1768	C1769	C1770	C1771	C1468	G1410	G1347	G1283	C1219	C1158	G1030	C970	G836	G775
C1772	C1773	C1774	C1775	C1469	C1411	U1348	A1284	A1220	U1159	G1031	C971	C837	G776
C1776	C1777	C1778	C1779	C1470	A1412	A1349	G1285	C1221	G1160	A1032	G972	C838	A777
C1780	C1781	C1782	C1783	A1471	G1413	C1352	A1286	C1222	C1161	U1033	A973	U839	G778
C1784	C1785	C1786	C1787	C1472	G1414	U1353	U1287	G1223	G1162	C1040	G974	C840	U779
C1788	C1789	C1790	C1791	C1473	U1415	A1353	U1288	C1224	G1163	C974	C974	A910	G780
C1792	C1793	C1794	C1795	C1474	G1416	C1354	C1289	G1225	C1164	U1041	C975	G843	A781
C1796	C1797	C1798	C1799	C1475	C1417	G1355	C1290	G1226	U1165	G1042	C976	C844	A782
C1800	C1801	C1802	C1803	C1476	C1418	C1356	C1291	G1227	C1166	C1043	G977	G845	A783
C1804	C1805	C1806	C1807	C1477	C1419	U1357	U1292	C1228	U1167	G1044	G978	C846	A784
C1808	C1809	C1810	C1811	C1478	U1420	G1358	C1293	G1229	G1168	C1045	G979	C847	G785
C1812	C1813	C1814	C1815	C1479	C1421	A1359	C1297	C1230	G1169	A1046	A880	C848	C786
C1816	C1817	C1818	C1819	C1480	G1422	A1360	C1298	G1231	G1170	G1047	A917	C849	A787
C1820	C1821	C1822	C1823	C1481	C1423	G1361	C1299	G1232	G1171	A1048	A918	C850	U788
C1824	C1825	C1826	C1827	C1482	G1424	C1362	C1299	C1233	G1173	C1049	A984	U851	A789

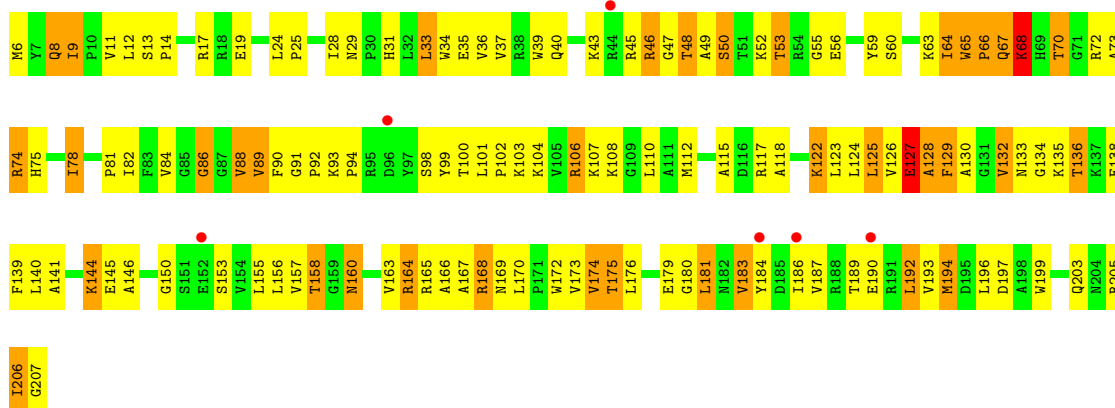






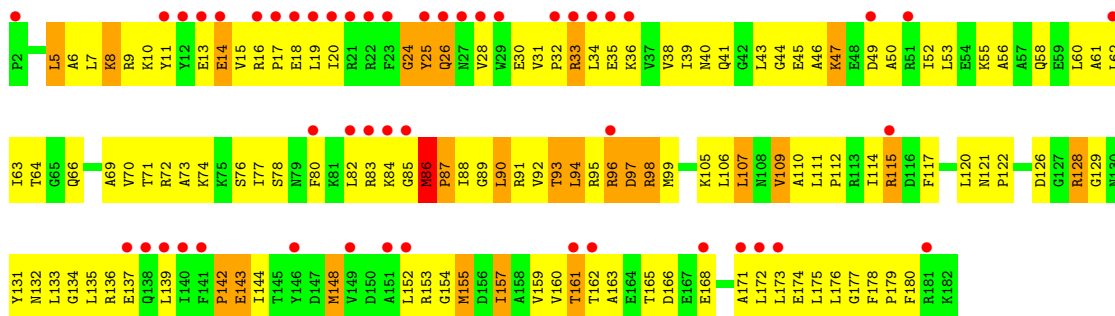
• Molecule 5: 50S ribosomal protein L4

Chain E:



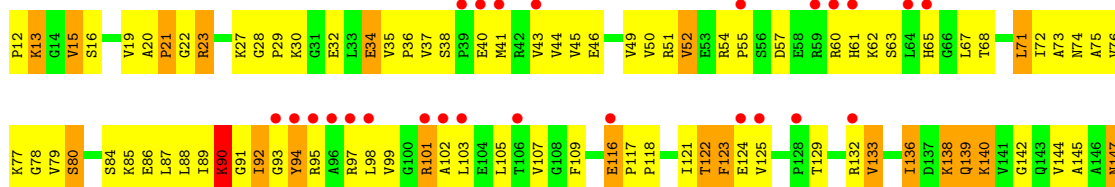
• Molecule 6: 50S ribosomal protein L5

Chain F:



• Molecule 7: 50S ribosomal protein L6

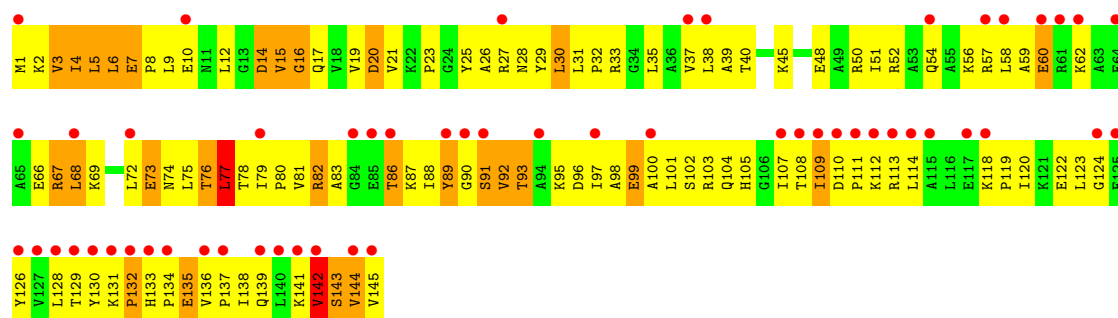
Chain G:





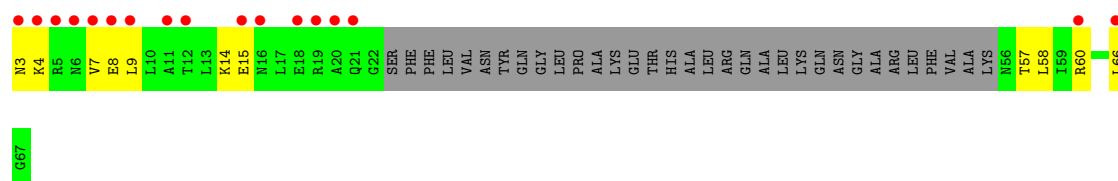
• Molecule 8: 50S ribosomal protein L9

Chain H:



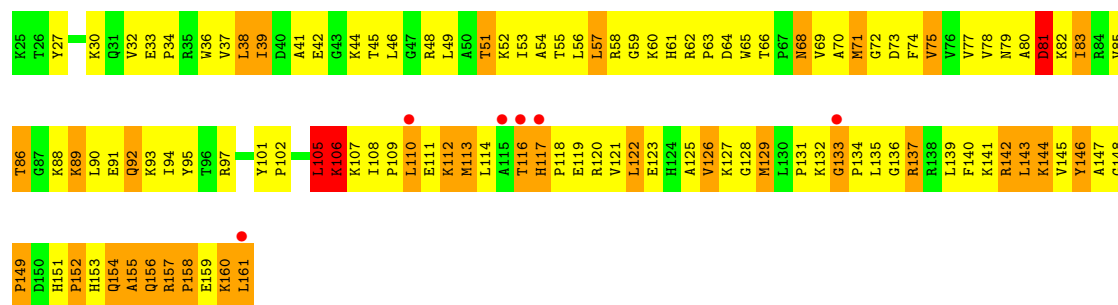
• Molecule 9: 50S ribosomal protein L10

Chain I:



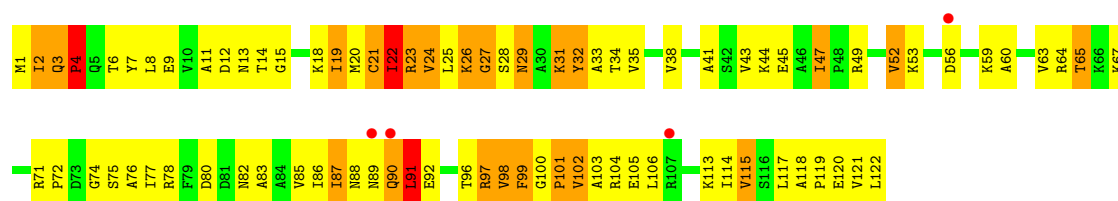
• Molecule 10: 50S ribosomal protein L13

Chain J:



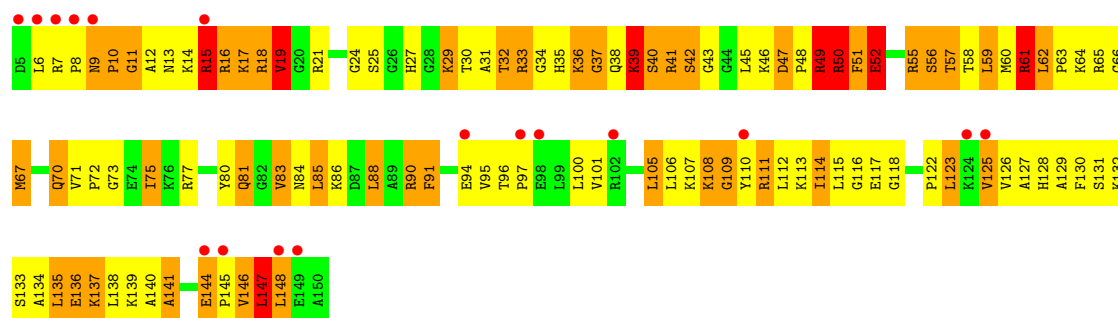
• Molecule 11: 50S ribosomal protein L14

Chain K:



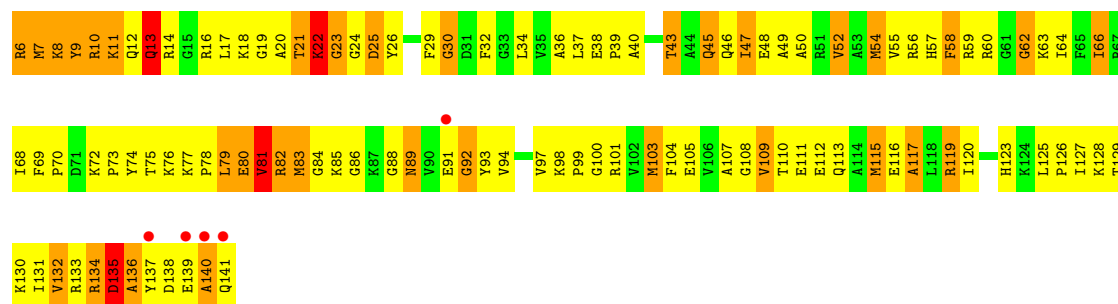
• Molecule 12: 50S ribosomal protein L15

Chain L:



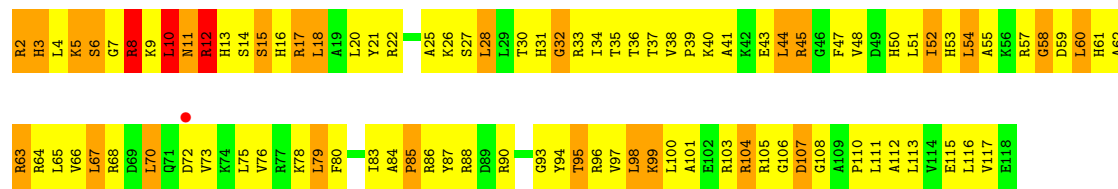
• Molecule 13: 50S ribosomal protein L16

Chain M:



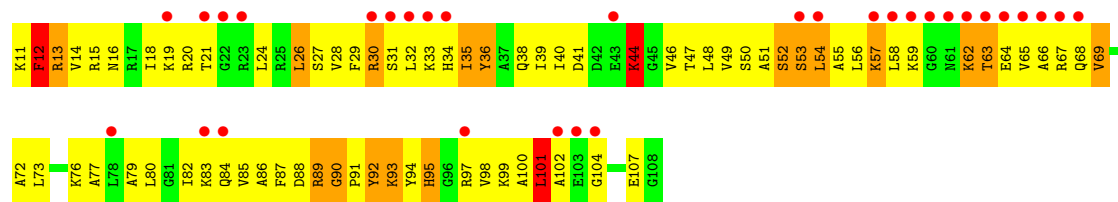
• Molecule 14: 50S ribosomal protein L17

Chain N:



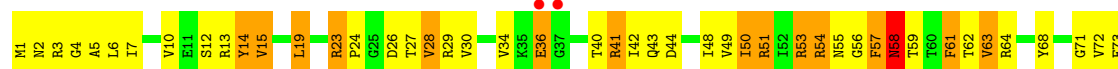
• Molecule 15: 50S ribosomal protein L18

Chain O:



• Molecule 16: 50S ribosomal protein L19

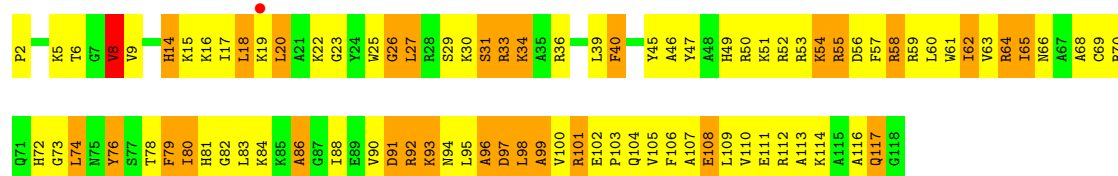
Chain P:





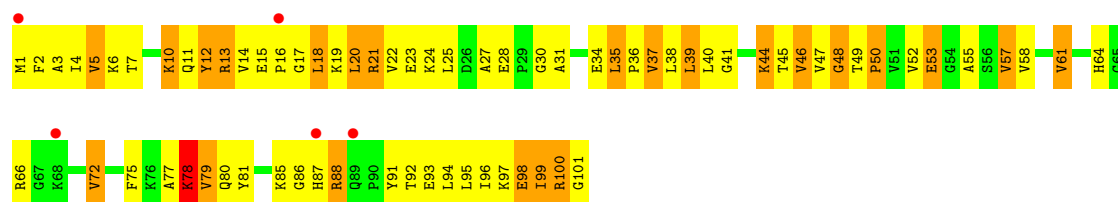
- Molecule 17: 50S ribosomal protein L20

Chain Q:



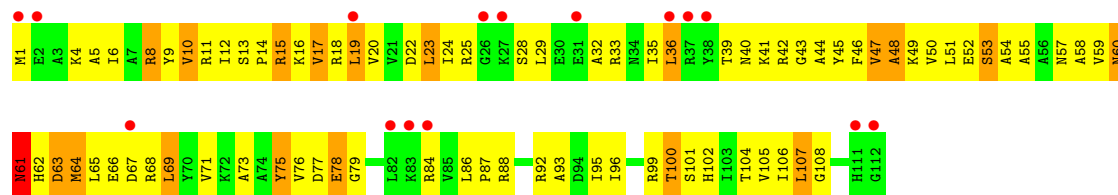
- Molecule 18: 50S ribosomal protein L21

Chain R:



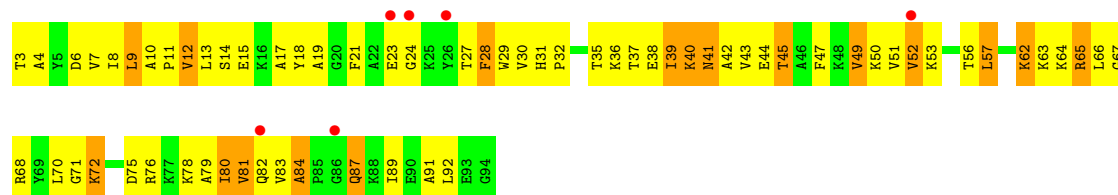
- Molecule 19: 50S ribosomal protein L22

Chain S:



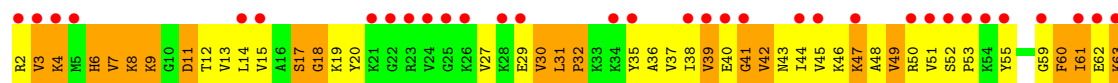
- Molecule 20: 50S ribosomal protein L23

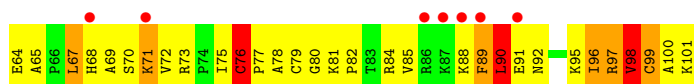
Chain T:



- Molecule 21: 50S ribosomal protein L24

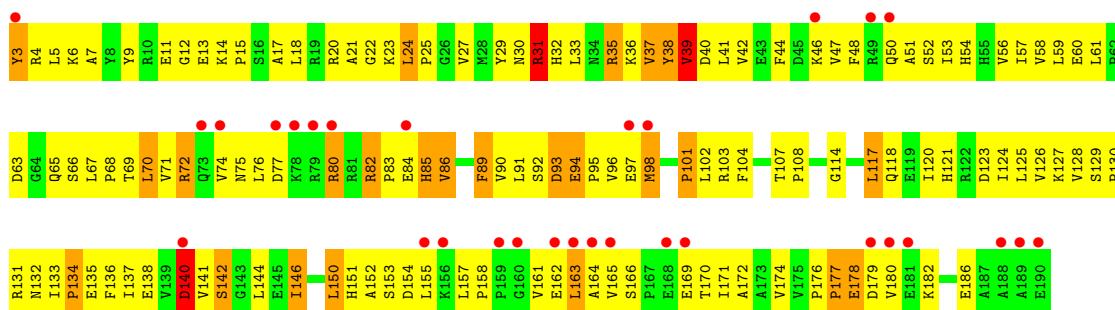
Chain U:





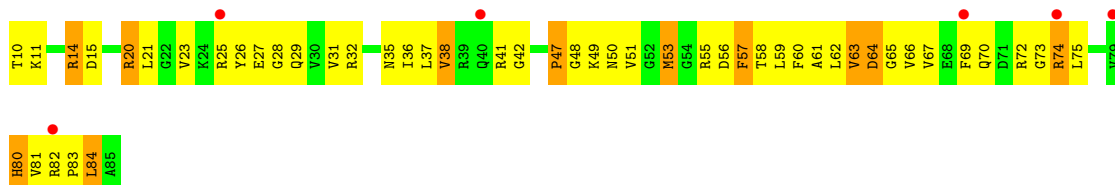
- Molecule 22: 50S ribosomal protein L25

Chain V:



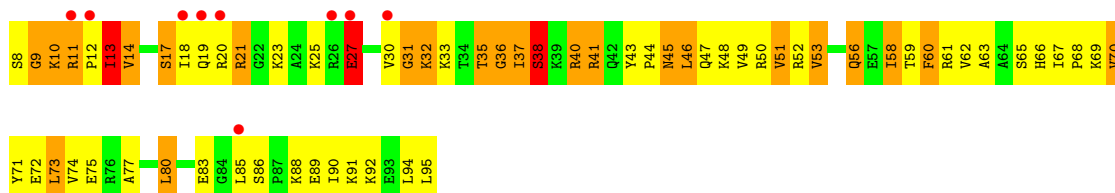
- Molecule 23: 50S ribosomal protein L27

Chain W:



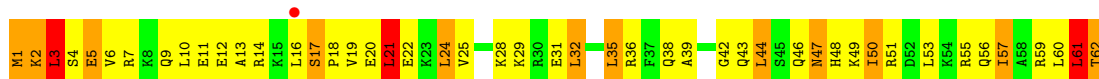
- Molecule 24: 50S ribosomal protein L28

Chain X:



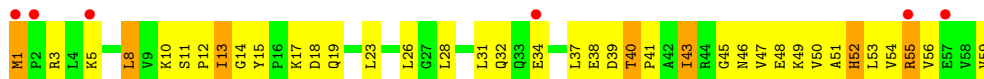
- Molecule 25: 50S ribosomal protein L29

Chain Y:



- Molecule 26: 50S ribosomal protein L30

Chain Z:



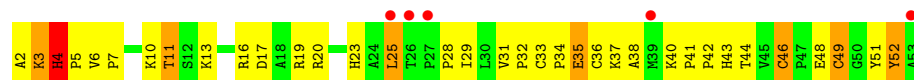
- Molecule 27: 50S ribosomal protein L31

Chain 1: 



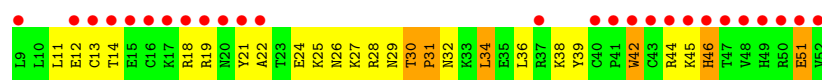
- Molecule 28: 50S ribosomal protein L32

Chain 2: 



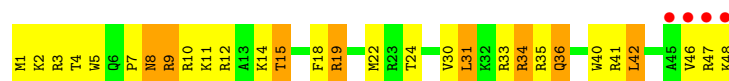
- Molecule 29: 50S ribosomal protein L33

Chain 3: 



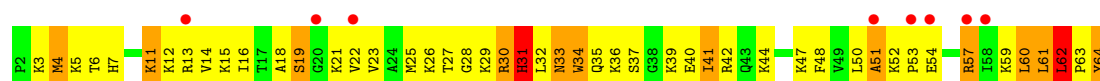
- Molecule 30: 50S ribosomal protein L34

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, α , β , γ	210.69Å 451.66Å 614.25Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.52 – 3.40 49.52 – 3.40	Depositor EDS
% Data completeness (in resolution range)	97.5 (49.52-3.40) 97.6 (49.52-3.40)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.28 (at 3.40Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.6.1_357)	Depositor
R, R_{free}	0.228 , 0.266 0.456 , 0.463	Depositor DCC
R_{free} test set	7680 reflections (0.99%)	DCC
Wilson B-factor (Å ²)	86.0	Xtriage
Anisotropy	0.391	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.27 , 57.6	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning	$\langle L \rangle = 0.45$, $\langle L^2 \rangle = 0.27$	Xtriage
Outliers	0 of 775950 reflections	Xtriage
F_o, F_c correlation	0.59	EDS
Total number of atoms	89468	wwPDB-VP
Average B, all atoms (Å ²)	89.0	wwPDB-VP

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

¹Intensities estimated from amplitudes.

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	1.07	153/66570 (0.2%)	1.48	1344/103918 (1.3%)
2	B	0.58	0/2853	1.00	9/4451 (0.2%)
3	C	0.71	1/2155 (0.0%)	0.90	3/2905 (0.1%)
4	D	0.58	0/1597	0.77	0/2153
5	E	0.63	0/1622	0.77	0/2194
6	F	0.28	0/1500	0.49	0/2017
7	G	0.32	0/1246	0.58	0/1682
8	H	0.33	0/1148	0.56	0/1552
9	I	0.25	0/252	0.44	0/333
10	J	0.56	0/1124	0.75	0/1515
11	K	0.57	0/942	0.76	0/1268
12	L	0.74	1/1131 (0.1%)	1.01	1/1504 (0.1%)
13	M	0.61	0/1099	0.83	2/1468 (0.1%)
14	N	0.59	0/974	0.85	0/1302
15	O	0.36	0/779	0.58	0/1036
16	P	0.50	0/1158	0.68	0/1544
17	Q	0.63	0/970	0.81	0/1290
18	R	0.58	0/790	0.73	1/1057 (0.1%)
19	S	0.63	0/902	0.78	0/1209
20	T	0.64	0/740	0.79	0/993
21	U	0.53	0/789	0.76	0/1051
22	V	0.36	0/1524	0.57	0/2068
23	W	0.50	0/613	0.71	0/816
24	X	0.73	0/702	0.98	2/932 (0.2%)
25	Y	0.55	0/523	0.87	1/690 (0.1%)
26	Z	0.52	0/473	0.68	0/634
27	1	0.23	0/229	0.40	0/309
28	2	0.61	0/419	0.80	0/567
29	3	0.28	0/388	0.46	0/518
30	4	0.72	0/427	0.89	0/561
31	5	0.68	0/516	0.88	0/679
All	All	0.94	155/96155 (0.2%)	1.32	1363/144216 (0.9%)

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
5	E	0	1
12	L	0	5
13	M	0	1
14	N	0	1
17	Q	0	2
All	All	0	10

The worst 5 of 155 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	1332	G	N9-C4	-11.02	1.29	1.38
1	A	570	G	C6-O6	9.46	1.32	1.24
1	A	676	A	N9-C4	-9.32	1.32	1.37
1	A	1678	G	N9-C4	-9.10	1.30	1.38
1	A	1783	A	N3-C4	-8.94	1.29	1.34

The worst 5 of 1363 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	761	A	N1-C6-N6	25.08	133.65	118.60
1	A	1332	G	N3-C4-N9	-22.46	112.52	126.00
1	A	1332	G	N3-C4-C5	21.41	139.31	128.60
1	A	676	A	C2-N3-C4	-19.31	100.94	110.60
1	A	761	A	C6-C5-N7	-17.81	119.83	132.30

There are no chirality outliers.

5 of 10 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
5	E	47	GLY	Peptide
12	L	29	LYS	Peptide
12	L	37	GLY	Peptide
12	L	39	LYS	Peptide
12	L	9	ASN	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	59440	0	29964	2613	0
2	B	2551	0	1295	147	0
3	C	2105	0	2182	353	0
4	D	1564	0	1629	224	0
5	E	1587	0	1632	147	0
6	F	1475	0	1537	155	0
7	G	1223	0	1282	114	0
8	H	1133	0	1220	131	0
9	I	254	0	275	8	0
10	J	1097	0	1168	170	0
11	K	932	0	994	95	0
12	L	1114	0	1187	270	0
13	M	1079	0	1127	170	0
14	N	960	0	1021	153	0
15	O	771	0	832	95	0
16	P	1144	0	1211	125	0
17	Q	953	0	1013	150	0
18	R	779	0	852	131	0
19	S	891	0	951	106	0
20	T	726	0	778	88	0
21	U	776	0	870	138	0
22	V	1492	0	1513	174	0
23	W	605	0	628	71	0
24	X	695	0	764	112	0
25	Y	521	0	575	81	0
26	Z	468	0	523	46	0
27	1	226	0	225	23	0
28	2	405	0	420	61	0
29	3	381	0	391	25	0
30	4	419	0	467	50	0
31	5	508	0	576	111	0
32	2	1	0	0	0	0
32	6	727	0	0	0	0
32	A	431	0	0	0	0
32	B	17	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
32	F	2	0	0	0	0
32	K	9	0	0	0	0
32	P	7	0	0	0	0
All	All	89468	0	59102	5703	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 39.

The worst 5 of 5703 close contacts within the same asymmetric unit are listed below.

Atom-1	Atom-2	Distance(Å)	Clash(Å)
13:M:81:VAL:O	13:M:82:ARG:HG2	1.39	1.19
12:L:57:THR:HG23	12:L:59:LEU:HD22	1.21	1.19
25:Y:2:LYS:HE2	25:Y:2:LYS:H	1.08	1.16
1:A:2389:G:H5''	1:A:2390:U:H5'	1.19	1.16
21:U:7:VAL:HG12	21:U:8:LYS:HG3	1.25	1.16

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%)	213 (79%)	36 (13%)	20 (7%)	2	22
4	D	202/204 (99%)	154 (76%)	34 (17%)	14 (7%)	2	24
5	E	200/202 (99%)	152 (76%)	32 (16%)	16 (8%)	1	19
6	F	179/181 (99%)	136 (76%)	31 (17%)	12 (7%)	2	25
7	G	157/159 (99%)	112 (71%)	35 (22%)	10 (6%)	2	26
8	H	143/145 (99%)	95 (66%)	29 (20%)	19 (13%)	0	7
9	I	28/65 (43%)	25 (89%)	3 (11%)	0	100	100
10	J	135/137 (98%)	97 (72%)	26 (19%)	12 (9%)	1	16
11	K	120/122 (98%)	100 (83%)	11 (9%)	9 (8%)	2	22

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
12	L	144/146 (99%)	87 (60%)	31 (22%)	26 (18%)	0	3
13	M	134/136 (98%)	86 (64%)	28 (21%)	20 (15%)	0	4
14	N	115/117 (98%)	91 (79%)	13 (11%)	11 (10%)	1	14
15	O	96/98 (98%)	57 (59%)	23 (24%)	16 (17%)	0	4
16	P	135/137 (98%)	101 (75%)	18 (13%)	16 (12%)	1	9
17	Q	114/116 (98%)	78 (68%)	22 (19%)	14 (12%)	1	8
18	R	99/101 (98%)	70 (71%)	20 (20%)	9 (9%)	1	15
19	S	110/112 (98%)	88 (80%)	17 (16%)	5 (4%)	4	38
20	T	90/92 (98%)	69 (77%)	16 (18%)	5 (6%)	3	30
21	U	98/100 (98%)	55 (56%)	24 (24%)	19 (19%)	0	2
22	V	186/188 (99%)	135 (73%)	34 (18%)	17 (9%)	1	15
23	W	74/76 (97%)	61 (82%)	10 (14%)	3 (4%)	4	42
24	X	86/88 (98%)	57 (66%)	16 (19%)	13 (15%)	0	4
25	Y	60/62 (97%)	45 (75%)	8 (13%)	7 (12%)	1	9
26	Z	57/59 (97%)	49 (86%)	7 (12%)	1 (2%)	13	65
27	1	28/30 (93%)	15 (54%)	7 (25%)	6 (21%)	0	2
28	2	50/52 (96%)	40 (80%)	6 (12%)	4 (8%)	1	19
29	3	42/44 (96%)	26 (62%)	11 (26%)	5 (12%)	1	9
30	4	46/48 (96%)	42 (91%)	3 (6%)	1 (2%)	10	60
31	5	61/63 (97%)	43 (70%)	12 (20%)	6 (10%)	1	13
All	All	3258/3351 (97%)	2379 (73%)	563 (17%)	316 (10%)	1	13

5 of 316 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	C	26	LYS
3	C	33	LEU
3	C	34	VAL
3	C	236	GLY
3	C	237	GLU

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%)	164 (77%)	49 (23%)	1	6
4	D	165/165 (100%)	129 (78%)	36 (22%)	1	7
5	E	161/161 (100%)	124 (77%)	37 (23%)	1	6
6	F	155/155 (100%)	132 (85%)	23 (15%)	4	25
7	G	132/132 (100%)	108 (82%)	24 (18%)	2	13
8	H	122/122 (100%)	103 (84%)	19 (16%)	4	23
9	I	27/53 (51%)	25 (93%)	2 (7%)	20	65
10	J	116/116 (100%)	84 (72%)	32 (28%)	0	3
11	K	100/100 (100%)	78 (78%)	22 (22%)	1	7
12	L	112/112 (100%)	75 (67%)	37 (33%)	0	2
13	M	106/106 (100%)	82 (77%)	24 (23%)	1	6
14	N	100/100 (100%)	75 (75%)	25 (25%)	1	5
15	O	77/77 (100%)	63 (82%)	14 (18%)	2	13
16	P	121/121 (100%)	96 (79%)	25 (21%)	2	8
17	Q	92/92 (100%)	71 (77%)	21 (23%)	1	6
18	R	82/82 (100%)	63 (77%)	19 (23%)	1	6
19	S	91/91 (100%)	65 (71%)	26 (29%)	0	3
20	T	74/74 (100%)	60 (81%)	14 (19%)	2	12
21	U	84/84 (100%)	66 (79%)	18 (21%)	1	8
22	V	163/163 (100%)	142 (87%)	21 (13%)	6	32
23	W	61/61 (100%)	52 (85%)	9 (15%)	4	25
24	X	73/73 (100%)	50 (68%)	23 (32%)	0	3
25	Y	58/58 (100%)	46 (79%)	12 (21%)	2	8
26	Z	51/51 (100%)	43 (84%)	8 (16%)	4	23
27	1	27/27 (100%)	26 (96%)	1 (4%)	45	85
28	2	45/45 (100%)	40 (89%)	5 (11%)	9	40
29	3	43/43 (100%)	38 (88%)	5 (12%)	8	37
30	4	41/41 (100%)	29 (71%)	12 (29%)	0	3
31	5	53/53 (100%)	42 (79%)	11 (21%)	2	8
All	All	2745/2771 (99%)	2171 (79%)	574 (21%)	1	8

5 of 574 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
12	L	55	ARG
14	N	70	LEU
25	Y	61	LEU
12	L	81	GLN
13	M	59	ARG

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 86 such sidechains are listed below:

Mol	Chain	Res	Type
10	J	154	GLN
16	P	58	ASN
26	Z	52	HIS
12	L	70	GLN
14	N	16	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A	2755/2879 (95%)	584 (21%)	27 (0%)
2	B	118/119 (99%)	26 (22%)	0
All	All	2873/2998 (95%)	610 (21%)	27 (0%)

5 of 610 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	A	10	G
1	A	11	G
1	A	34	C
1	A	35	G
1	A	46	C

5 of 27 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	A	1558	A
1	A	1617	C
1	A	2439	A
1	A	1608	A
1	A	685	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 1194 ligands modelled in this entry, 1194 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, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	2760/2879 (95%)	0.09	85 (3%) 47 19	27, 65, 180, 398	0
2	B	119/119 (100%)	0.85	19 (15%) 3 2	77, 129, 182, 232	0
3	C	271/271 (100%)	0.22	9 (3%) 44 18	25, 58, 109, 175	0
4	D	204/204 (100%)	0.42	12 (5%) 22 8	36, 73, 146, 341	0
5	E	202/202 (100%)	0.25	6 (2%) 48 20	31, 73, 155, 246	0
6	F	181/181 (100%)	1.43	49 (27%) 1 1	102, 182, 254, 314	0
7	G	159/159 (100%)	0.99	26 (16%) 2 2	85, 143, 221, 343	0
8	H	145/145 (100%)	2.07	55 (37%) 1 1	67, 243, 391, 482	0
9	I	32/65 (49%)	2.56	17 (53%) 0 1	171, 246, 347, 355	0
10	J	137/137 (100%)	0.60	6 (4%) 33 13	51, 81, 142, 201	0
11	K	122/122 (100%)	0.29	4 (3%) 44 18	42, 70, 111, 150	0
12	L	146/146 (100%)	0.79	17 (11%) 5 3	34, 97, 166, 309	0
13	M	136/136 (100%)	0.35	5 (3%) 39 15	49, 89, 199, 370	0
14	N	117/117 (100%)	0.45	1 (0%) 81 47	45, 73, 137, 249	0
15	O	98/98 (100%)	1.94	31 (31%) 1 1	82, 137, 197, 223	0
16	P	137/137 (100%)	0.36	11 (8%) 12 6	58, 93, 185, 250	0
17	Q	116/116 (100%)	0.15	1 (0%) 81 47	35, 75, 124, 239	0
18	R	101/101 (100%)	0.19	5 (4%) 28 10	41, 105, 164, 264	0
19	S	112/112 (100%)	0.72	15 (13%) 4 2	44, 59, 137, 254	0
20	T	92/92 (100%)	0.65	6 (6%) 18 7	45, 77, 129, 170	0
21	U	100/100 (100%)	1.79	40 (40%) 1 1	62, 104, 257, 396	0
22	V	188/188 (100%)	0.87	30 (15%) 3 2	83, 138, 195, 245	0
23	W	76/76 (100%)	0.74	6 (7%) 13 6	58, 84, 139, 261	0
24	X	88/88 (100%)	0.89	9 (10%) 7 4	37, 74, 153, 322	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
25	Y	62/62 (100%)	0.18	1 (1%) 68 32	57, 98, 209, 292	0
26	Z	59/59 (100%)	0.72	6 (10%) 7 4	43, 81, 156, 299	0
27	1	30/30 (100%)	1.52	10 (33%) 1 1	184, 253, 295, 311	0
28	2	52/52 (100%)	0.77	5 (9%) 8 4	26, 71, 187, 233	0
29	3	44/44 (100%)	4.92	26 (59%) 0 0	139, 249, 299, 320	0
30	4	48/48 (100%)	0.69	4 (8%) 11 5	33, 43, 93, 194	0
31	5	63/63 (100%)	1.00	8 (12%) 4 3	45, 68, 131, 215	0
All	All	6197/6349 (97%)	0.49	525 (8%) 11 5	25, 79, 224, 482	0

The worst 5 of 525 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
29	3	16	CYS	20.2
8	H	108	THR	17.1
29	3	43	CYS	13.0
29	3	13	CYS	11.7
29	3	41	PRO	11.1

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

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

6.3 Carbohydrates ⓘ

There are no 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, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(Å ²)	Q<0.9
32	MG	A	2990	1/1	0.20	-	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3034	1/1	0.16	-	92,92,92,92	0
32	MG	6	694	1/1	0.17	-	87,87,87,87	0
32	MG	6	988	1/1	0.60	-	78,78,78,78	0
32	MG	6	513	1/1	0.39	-	71,71,71,71	0
32	MG	6	573	1/1	0.51	-	87,87,87,87	0
32	MG	6	1038	1/1	1.00	-	87,87,87,87	0
32	MG	6	417	1/1	0.76	-	101,101,101,101	0
32	MG	6	1088	1/1	1.60	-	80,80,80,80	0
32	MG	6	556	1/1	0.20	-	54,54,54,54	0
32	MG	B	143	1/1	0.29	-	56,56,56,56	0
32	MG	6	1033	1/1	0.16	-	75,75,75,75	0
32	MG	A	3087	1/1	0.39	-	56,56,56,56	0
32	MG	A	3215	1/1	0.30	-	101,101,101,101	0
32	MG	A	2925	1/1	0.20	-	34,34,34,34	0
32	MG	A	3220	1/1	0.70	-	75,75,75,75	0
32	MG	6	1022	1/1	0.16	-	62,62,62,62	0
32	MG	6	407	1/1	0.63	-	105,105,105,105	0
32	MG	6	1169	1/1	0.32	-	69,69,69,69	0
32	MG	6	1153	1/1	1.80	-	92,92,92,92	0
32	MG	6	655	1/1	0.21	-	82,82,82,82	0
32	MG	6	964	1/1	0.62	-	79,79,79,79	0
32	MG	6	255	1/1	0.21	-	59,59,59,59	0
32	MG	6	430	1/1	0.36	-	94,94,94,94	0
32	MG	6	498	1/1	0.77	-	69,69,69,69	0
32	MG	A	3309	1/1	0.35	-	98,98,98,98	0
32	MG	6	954	1/1	0.22	-	108,108,108,108	0
32	MG	6	514	1/1	0.61	-	90,90,90,90	0
32	MG	6	342	1/1	0.25	-	101,101,101,101	0
32	MG	A	2907	1/1	0.39	-	36,36,36,36	0
32	MG	B	393	1/1	1.09	-	70,70,70,70	0
32	MG	6	428	1/1	0.25	-	59,59,59,59	0
32	MG	6	219	1/1	0.43	-	46,46,46,46	0
32	MG	6	177	1/1	0.14	-	58,58,58,58	0
32	MG	6	327	1/1	0.94	-	70,70,70,70	0
32	MG	6	1097	1/1	0.38	-	105,105,105,105	0
32	MG	A	3201	1/1	0.53	-	68,68,68,68	0
32	MG	6	790	1/1	0.08	-	37,37,37,37	0
32	MG	A	3297	1/1	0.79	-	72,72,72,72	0
32	MG	6	340	1/1	0.58	-	85,85,85,85	0
32	MG	6	548	1/1	0.47	-	99,99,99,99	0
32	MG	6	456	1/1	0.28	-	69,69,69,69	0
32	MG	6	465	1/1	0.20	-	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	58	1/1	0.24	-	35,35,35,35	0
32	MG	A	2988	1/1	0.35	-	58,58,58,58	0
32	MG	A	3248	1/1	0.25	-	73,73,73,73	0
32	MG	6	265	1/1	0.59	-	45,45,45,45	0
32	MG	6	1130	1/1	0.82	-	98,98,98,98	0
32	MG	6	648	1/1	0.80	-	86,86,86,86	0
32	MG	A	369	1/1	0.18	-	90,90,90,90	0
32	MG	6	915	1/1	0.15	-	63,63,63,63	0
32	MG	6	566	1/1	0.47	-	80,80,80,80	0
32	MG	A	3060	1/1	0.30	-	56,56,56,56	0
32	MG	6	621	1/1	0.28	-	89,89,89,89	0
32	MG	6	726	1/1	0.44	-	112,112,112,112	0
32	MG	6	305	1/1	0.27	-	106,106,106,106	0
32	MG	6	210	1/1	0.36	-	45,45,45,45	0
32	MG	A	2958	1/1	0.48	-	43,43,43,43	0
32	MG	A	3032	1/1	0.27	-	76,76,76,76	0
32	MG	6	93	1/1	0.47	-	35,35,35,35	0
32	MG	6	220	1/1	1.00	-	93,93,93,93	0
32	MG	6	1138	1/1	0.33	-	101,101,101,101	0
32	MG	6	1072	1/1	0.18	-	78,78,78,78	0
32	MG	B	330	1/1	0.38	-	83,83,83,83	0
32	MG	A	3187	1/1	0.51	-	52,52,52,52	0
32	MG	6	503	1/1	0.21	-	67,67,67,67	0
32	MG	6	412	1/1	0.29	-	102,102,102,102	0
32	MG	A	3107	1/1	0.94	-	68,68,68,68	0
32	MG	6	356	1/1	0.23	-	89,89,89,89	0
32	MG	A	3237	1/1	0.24	-	61,61,61,61	0
32	MG	6	940	1/1	1.08	-	87,87,87,87	0
32	MG	A	42	1/1	0.15	-	28,28,28,28	0
32	MG	A	3120	1/1	0.38	-	87,87,87,87	0
32	MG	A	3234	1/1	0.21	-	22,22,22,22	0
32	MG	6	206	1/1	0.31	-	41,41,41,41	0
32	MG	A	3082	1/1	0.27	-	102,102,102,102	0
32	MG	6	658	1/1	0.25	-	78,78,78,78	0
32	MG	A	3083	1/1	0.18	-	69,69,69,69	0
32	MG	A	3153	1/1	0.91	-	67,67,67,67	0
32	MG	6	1055	1/1	1.17	-	82,82,82,82	0
32	MG	6	642	1/1	0.23	-	60,60,60,60	0
32	MG	6	616	1/1	0.16	-	71,71,71,71	0
32	MG	A	2920	1/1	0.08	-	29,29,29,29	0
32	MG	6	775	1/1	0.70	-	100,100,100,100	0
32	MG	A	367	1/1	0.72	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	761	1/1	0.40	-	106,106,106,106	0
32	MG	A	3242	1/1	0.34	-	82,82,82,82	0
32	MG	6	392	1/1	0.67	-	72,72,72,72	0
32	MG	6	34	1/1	0.14	-	45,45,45,45	0
32	MG	6	1006	1/1	0.09	-	91,91,91,91	0
32	MG	6	193	1/1	0.83	-	66,66,66,66	0
32	MG	6	1074	1/1	0.41	-	100,100,100,100	0
32	MG	A	2995	1/1	0.18	-	65,65,65,65	0
32	MG	6	524	1/1	0.50	-	110,110,110,110	0
32	MG	6	767	1/1	0.55	-	86,86,86,86	0
32	MG	6	764	1/1	0.32	-	91,91,91,91	0
32	MG	A	3144	1/1	0.17	-	67,67,67,67	0
32	MG	A	2926	1/1	0.64	-	32,32,32,32	0
32	MG	A	3240	1/1	0.23	-	60,60,60,60	0
32	MG	6	1191	1/1	0.11	-	96,96,96,96	0
32	MG	6	804	1/1	0.11	-	39,39,39,39	0
32	MG	A	3066	1/1	0.15	-	109,109,109,109	0
32	MG	A	3188	1/1	0.30	-	40,40,40,40	0
32	MG	6	815	1/1	0.24	-	72,72,72,72	0
32	MG	A	2951	1/1	0.18	-	52,52,52,52	0
32	MG	6	11	1/1	0.32	-	7,7,7,7	0
32	MG	6	7	1/1	0.10	-	9,9,9,9	0
32	MG	6	820	1/1	0.24	-	44,44,44,44	0
32	MG	6	771	1/1	0.66	-	83,83,83,83	0
32	MG	6	183	1/1	0.51	-	69,69,69,69	0
32	MG	6	898	1/1	0.39	-	51,51,51,51	0
32	MG	6	192	1/1	0.67	-	77,77,77,77	0
32	MG	6	547	1/1	0.17	-	79,79,79,79	0
32	MG	A	3112	1/1	0.48	-	77,77,77,77	0
32	MG	A	3113	1/1	0.46	-	109,109,109,109	0
32	MG	A	2933	1/1	0.37	-	10,10,10,10	0
32	MG	6	1189	1/1	0.42	-	90,90,90,90	0
32	MG	A	2967	1/1	0.53	-	45,45,45,45	0
32	MG	6	782	1/1	0.38	-	117,117,117,117	0
32	MG	A	3174	1/1	0.21	-	80,80,80,80	0
32	MG	6	2	1/1	0.16	-	10,10,10,10	0
32	MG	6	907	1/1	0.13	-	39,39,39,39	0
32	MG	6	171	1/1	0.36	-	63,63,63,63	0
32	MG	A	3073	1/1	0.25	-	68,68,68,68	0
32	MG	A	3217	1/1	0.20	-	68,68,68,68	0
32	MG	6	1118	1/1	0.75	-	52,52,52,52	0
32	MG	A	3311	1/1	0.48	-	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3186	1/1	0.29	-	56,56,56,56	0
32	MG	6	243	1/1	0.26	-	82,82,82,82	0
32	MG	6	1071	1/1	0.55	-	87,87,87,87	0
32	MG	6	240	1/1	0.14	-	56,56,56,56	0
32	MG	6	38	1/1	0.13	-	17,17,17,17	0
32	MG	A	3159	1/1	0.49	-	78,78,78,78	0
32	MG	A	2916	1/1	0.30	-	25,25,25,25	0
32	MG	6	742	1/1	0.80	-	42,42,42,42	0
32	MG	6	357	1/1	0.31	-	41,41,41,41	0
32	MG	A	3105	1/1	0.79	-	86,86,86,86	0
32	MG	6	622	1/1	1.75	-	100,100,100,100	0
32	MG	A	3111	1/1	0.55	-	85,85,85,85	0
32	MG	A	3092	1/1	0.25	-	65,65,65,65	0
32	MG	A	2987	1/1	0.46	-	70,70,70,70	0
32	MG	A	3238	1/1	0.17	-	62,62,62,62	0
32	MG	6	427	1/1	0.15	-	65,65,65,65	0
32	MG	6	995	1/1	0.48	-	83,83,83,83	0
32	MG	6	90	1/1	0.16	-	39,39,39,39	0
32	MG	6	3	1/1	0.13	-	7,7,7,7	0
32	MG	A	3274	1/1	0.36	-	61,61,61,61	0
32	MG	6	749	1/1	0.82	-	83,83,83,83	0
32	MG	6	452	1/1	1.71	-	85,85,85,85	0
32	MG	6	620	1/1	0.28	-	99,99,99,99	0
32	MG	6	249	1/1	0.30	-	41,41,41,41	0
32	MG	6	1093	1/1	0.09	-	59,59,59,59	0
32	MG	6	270	1/1	0.14	-	44,44,44,44	0
32	MG	A	2912	1/1	0.23	-	8,8,8,8	0
32	MG	6	971	1/1	0.13	-	87,87,87,87	0
32	MG	P	712	1/1	0.12	-	74,74,74,74	0
32	MG	B	734	1/1	0.25	-	89,89,89,89	0
32	MG	6	801	1/1	0.12	-	51,51,51,51	0
32	MG	6	291	1/1	0.26	-	63,63,63,63	0
32	MG	6	667	1/1	0.39	-	89,89,89,89	0
32	MG	6	697	1/1	0.54	-	74,74,74,74	0
32	MG	6	162	1/1	0.13	-	47,47,47,47	0
32	MG	6	725	1/1	0.55	-	82,82,82,82	0
32	MG	6	1098	1/1	1.27	-	110,110,110,110	0
32	MG	A	3155	1/1	0.71	-	85,85,85,85	0
32	MG	6	6	1/1	0.11	-	4,4,4,4	0
32	MG	6	998	1/1	0.18	-	76,76,76,76	0
32	MG	6	61	1/1	0.11	-	36,36,36,36	0
32	MG	6	1181	1/1	1.15	-	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	5	1/1	0.44	-	16,16,16,16	0
32	MG	A	3314	1/1	0.79	-	94,94,94,94	0
32	MG	6	857	1/1	0.12	-	63,63,63,63	0
32	MG	6	47	1/1	0.21	-	24,24,24,24	0
32	MG	6	203	1/1	0.27	-	80,80,80,80	0
32	MG	6	731	1/1	0.28	-	85,85,85,85	0
32	MG	A	3230	1/1	0.17	-	48,48,48,48	0
32	MG	6	896	1/1	1.17	-	80,80,80,80	0
32	MG	A	3001	1/1	0.54	-	55,55,55,55	0
32	MG	6	868	1/1	0.41	-	93,93,93,93	0
32	MG	6	217	1/1	1.38	-	88,88,88,88	0
32	MG	6	250	1/1	0.32	-	67,67,67,67	0
32	MG	A	3227	1/1	0.31	-	83,83,83,83	0
32	MG	A	169	1/1	0.09	-	42,42,42,42	0
32	MG	6	502	1/1	0.85	-	70,70,70,70	0
32	MG	6	680	1/1	0.58	-	94,94,94,94	0
32	MG	A	3167	1/1	0.61	-	74,74,74,74	0
32	MG	6	991	1/1	0.17	-	76,76,76,76	0
32	MG	A	2898	1/1	0.37	-	14,14,14,14	0
32	MG	6	574	1/1	0.28	-	75,75,75,75	0
32	MG	6	45	1/1	0.33	-	41,41,41,41	0
32	MG	6	918	1/1	0.15	-	66,66,66,66	0
32	MG	6	561	1/1	0.33	-	60,60,60,60	0
32	MG	6	469	1/1	0.40	-	80,80,80,80	0
32	MG	6	23	1/1	0.15	-	27,27,27,27	0
32	MG	6	873	1/1	0.33	-	67,67,67,67	0
32	MG	6	186	1/1	1.10	-	55,55,55,55	0
32	MG	6	717	1/1	0.17	-	83,83,83,83	0
32	MG	6	961	1/1	0.29	-	44,44,44,44	0
32	MG	6	191	1/1	0.12	-	70,70,70,70	0
32	MG	6	280	1/1	0.15	-	73,73,73,73	0
32	MG	6	272	1/1	0.30	-	74,74,74,74	0
32	MG	6	413	1/1	0.15	-	60,60,60,60	0
32	MG	6	883	1/1	0.37	-	68,68,68,68	0
32	MG	A	3076	1/1	0.61	-	86,86,86,86	0
32	MG	K	927	1/1	0.35	-	91,91,91,91	0
32	MG	A	3271	1/1	1.05	-	86,86,86,86	0
32	MG	6	672	1/1	0.18	-	73,73,73,73	0
32	MG	6	967	1/1	0.36	-	101,101,101,101	0
32	MG	A	3304	1/1	0.17	-	74,74,74,74	0
32	MG	A	3219	1/1	0.54	-	111,111,111,111	0
32	MG	A	159	1/1	0.18	-	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	537	1/1	1.11	-	59,59,59,59	0
32	MG	6	617	1/1	0.30	-	66,66,66,66	0
32	MG	A	3123	1/1	1.13	-	56,56,56,56	0
32	MG	6	569	1/1	0.36	-	79,79,79,79	0
32	MG	A	3247	1/1	0.44	-	54,54,54,54	0
32	MG	6	957	1/1	0.40	-	74,74,74,74	0
32	MG	A	3252	1/1	0.29	-	95,95,95,95	0
32	MG	A	3048	1/1	0.65	-	66,66,66,66	0
32	MG	6	123	1/1	0.35	-	28,28,28,28	0
32	MG	A	3094	1/1	0.18	-	78,78,78,78	0
32	MG	6	24	1/1	0.12	-	14,14,14,14	0
32	MG	6	720	1/1	1.04	-	80,80,80,80	0
32	MG	6	945	1/1	0.51	-	67,67,67,67	0
32	MG	6	559	1/1	0.58	-	84,84,84,84	0
32	MG	6	640	1/1	0.28	-	70,70,70,70	0
32	MG	6	1148	1/1	0.30	-	122,122,122,122	0
32	MG	6	477	1/1	0.30	-	103,103,103,103	0
32	MG	A	3023	1/1	0.75	-	62,62,62,62	0
32	MG	A	3029	1/1	0.33	-	59,59,59,59	0
32	MG	6	1054	1/1	0.65	-	78,78,78,78	0
32	MG	6	60	1/1	0.81	-	39,39,39,39	0
32	MG	A	3062	1/1	0.33	-	61,61,61,61	0
32	MG	6	81	1/1	0.22	-	66,66,66,66	0
32	MG	6	10	1/1	0.15	-	27,27,27,27	0
32	MG	6	294	1/1	0.15	-	60,60,60,60	0
32	MG	6	516	1/1	1.56	-	125,125,125,125	0
32	MG	6	704	1/1	0.74	-	74,74,74,74	0
32	MG	6	481	1/1	0.57	-	77,77,77,77	0
32	MG	6	952	1/1	0.54	-	72,72,72,72	0
32	MG	6	370	1/1	0.24	-	94,94,94,94	0
32	MG	6	382	1/1	0.19	-	67,67,67,67	0
32	MG	A	3306	1/1	0.90	-	80,80,80,80	0
32	MG	6	276	1/1	0.14	-	89,89,89,89	0
32	MG	6	570	1/1	1.28	-	65,65,65,65	0
32	MG	A	3176	1/1	0.62	-	85,85,85,85	0
32	MG	6	707	1/1	0.32	-	74,74,74,74	0
32	MG	6	838	1/1	0.29	-	66,66,66,66	0
32	MG	A	3172	1/1	0.48	-	68,68,68,68	0
32	MG	6	649	1/1	0.29	-	77,77,77,77	0
32	MG	6	1127	1/1	0.15	-	82,82,82,82	0
32	MG	A	3150	1/1	0.19	-	56,56,56,56	0
32	MG	A	3165	1/1	0.66	-	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	322	1/1	0.38	-	78,78,78,78	0
32	MG	6	576	1/1	0.08	-	62,62,62,62	0
32	MG	6	719	1/1	0.55	-	132,132,132,132	0
32	MG	A	3102	1/1	0.97	-	87,87,87,87	0
32	MG	6	85	1/1	0.29	-	51,51,51,51	0
32	MG	6	905	1/1	0.65	-	63,63,63,63	0
32	MG	6	468	1/1	0.42	-	73,73,73,73	0
32	MG	A	3299	1/1	0.26	-	86,86,86,86	0
32	MG	A	3149	1/1	0.31	-	79,79,79,79	0
32	MG	K	766	1/1	0.46	-	81,81,81,81	0
32	MG	A	3260	1/1	0.61	-	64,64,64,64	0
32	MG	6	293	1/1	0.12	-	67,67,67,67	0
32	MG	6	582	1/1	0.17	-	66,66,66,66	0
32	MG	6	638	1/1	0.40	-	68,68,68,68	0
32	MG	A	3249	1/1	0.20	-	52,52,52,52	0
32	MG	A	3043	1/1	0.77	-	87,87,87,87	0
32	MG	6	1070	1/1	0.16	-	61,61,61,61	0
32	MG	6	202	1/1	0.13	-	70,70,70,70	0
32	MG	6	1135	1/1	0.10	-	97,97,97,97	0
32	MG	A	3177	1/1	0.51	-	99,99,99,99	0
32	MG	A	3145	1/1	0.23	-	83,83,83,83	0
32	MG	B	819	1/1	0.45	-	84,84,84,84	0
32	MG	6	541	1/1	0.67	-	85,85,85,85	0
32	MG	6	577	1/1	2.17	-	88,88,88,88	0
32	MG	6	439	1/1	0.61	-	75,75,75,75	0
32	MG	A	2899	1/1	0.30	-	13,13,13,13	0
32	MG	A	3067	1/1	0.49	-	75,75,75,75	0
32	MG	A	3098	1/1	0.60	-	88,88,88,88	0
32	MG	6	1060	1/1	0.22	-	92,92,92,92	0
32	MG	A	3205	1/1	0.23	-	41,41,41,41	0
32	MG	A	2982	1/1	0.19	-	59,59,59,59	0
32	MG	6	200	1/1	0.24	-	61,61,61,61	0
32	MG	6	1012	1/1	0.33	-	74,74,74,74	0
32	MG	A	3254	1/1	0.20	-	92,92,92,92	0
32	MG	6	745	1/1	0.90	-	83,83,83,83	0
32	MG	A	3277	1/1	0.60	-	83,83,83,83	0
32	MG	6	246	1/1	0.11	-	85,85,85,85	0
32	MG	6	1195	1/1	0.44	-	89,89,89,89	0
32	MG	6	320	1/1	0.10	-	53,53,53,53	0
32	MG	A	3085	1/1	0.24	-	59,59,59,59	0
32	MG	6	832	1/1	0.15	-	49,49,49,49	0
32	MG	6	529	1/1	0.33	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	827	1/1	0.15	-	37,37,37,37	0
32	MG	6	1041	1/1	1.23	-	73,73,73,73	0
32	MG	A	3212	1/1	0.25	-	48,48,48,48	0
32	MG	6	637	1/1	0.18	-	68,68,68,68	0
32	MG	A	3071	1/1	0.28	-	61,61,61,61	0
32	MG	6	174	1/1	0.09	-	63,63,63,63	0
32	MG	A	2971	1/1	0.29	-	70,70,70,70	0
32	MG	A	2930	1/1	0.25	-	34,34,34,34	0
32	MG	6	1086	1/1	0.81	-	68,68,68,68	0
32	MG	A	3135	1/1	0.45	-	100,100,100,100	0
32	MG	6	814	1/1	0.12	-	64,64,64,64	0
32	MG	B	889	1/1	0.29	-	101,101,101,101	0
32	MG	6	534	1/1	0.47	-	71,71,71,71	0
32	MG	6	1183	1/1	0.23	-	84,84,84,84	0
32	MG	A	3058	1/1	0.38	-	91,91,91,91	0
32	MG	6	968	1/1	0.12	-	82,82,82,82	0
32	MG	6	545	1/1	3.27	-	101,101,101,101	0
32	MG	A	2997	1/1	0.31	-	45,45,45,45	0
32	MG	6	248	1/1	0.13	-	58,58,58,58	0
32	MG	A	3228	1/1	0.56	-	74,74,74,74	0
32	MG	A	2960	1/1	0.22	-	54,54,54,54	0
32	MG	6	497	1/1	0.64	-	38,38,38,38	0
32	MG	6	691	1/1	0.19	-	71,71,71,71	0
32	MG	A	157	1/1	0.33	-	65,65,65,65	0
32	MG	6	542	1/1	1.79	-	114,114,114,114	0
32	MG	6	550	1/1	0.24	-	75,75,75,75	0
32	MG	A	3224	1/1	0.60	-	91,91,91,91	0
32	MG	6	189	1/1	0.20	-	33,33,33,33	0
32	MG	6	137	1/1	0.21	-	56,56,56,56	0
32	MG	A	3124	1/1	0.18	-	59,59,59,59	0
32	MG	6	1001	1/1	0.60	-	81,81,81,81	0
32	MG	6	925	1/1	0.37	-	42,42,42,42	0
32	MG	A	3070	1/1	0.14	-	89,89,89,89	0
32	MG	6	401	1/1	0.13	-	99,99,99,99	0
32	MG	6	1192	1/1	0.48	-	99,99,99,99	0
32	MG	6	757	1/1	0.57	-	77,77,77,77	0
32	MG	6	525	1/1	0.53	-	69,69,69,69	0
32	MG	6	562	1/1	0.98	-	111,111,111,111	0
32	MG	6	68	1/1	0.24	-	30,30,30,30	0
32	MG	6	21	1/1	0.10	-	18,18,18,18	0
32	MG	6	675	1/1	0.21	-	85,85,85,85	0
32	MG	6	1027	1/1	0.32	-	128,128,128,128	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	1080	1/1	0.80	-	63,63,63,63	0
32	MG	A	3198	1/1	0.55	-	51,51,51,51	0
32	MG	6	935	1/1	0.75	-	96,96,96,96	0
32	MG	A	3140	1/1	0.15	-	89,89,89,89	0
32	MG	6	560	1/1	0.76	-	67,67,67,67	0
32	MG	6	527	1/1	0.20	-	99,99,99,99	0
32	MG	6	609	1/1	0.23	-	77,77,77,77	0
32	MG	6	999	1/1	0.21	-	88,88,88,88	0
32	MG	6	491	1/1	0.49	-	67,67,67,67	0
32	MG	6	1021	1/1	0.52	-	85,85,85,85	0
32	MG	6	825	1/1	0.13	-	53,53,53,53	0
32	MG	6	372	1/1	0.20	-	59,59,59,59	0
32	MG	6	425	1/1	0.35	-	93,93,93,93	0
32	MG	A	3255	1/1	0.22	-	63,63,63,63	0
32	MG	6	446	1/1	1.16	-	66,66,66,66	0
32	MG	6	1190	1/1	0.32	-	81,81,81,81	0
32	MG	6	96	1/1	0.40	-	54,54,54,54	0
32	MG	6	776	1/1	0.54	-	101,101,101,101	0
32	MG	6	1147	1/1	0.48	-	69,69,69,69	0
32	MG	6	975	1/1	2.11	-	105,105,105,105	0
32	MG	6	103	1/1	0.13	-	29,29,29,29	0
32	MG	A	3008	1/1	0.16	-	90,90,90,90	0
32	MG	6	112	1/1	0.23	-	50,50,50,50	0
32	MG	6	854	1/1	0.24	-	78,78,78,78	0
32	MG	6	1160	1/1	1.49	-	85,85,85,85	0
32	MG	6	531	1/1	0.23	-	72,72,72,72	0
32	MG	6	522	1/1	0.21	-	98,98,98,98	0
32	MG	6	473	1/1	0.65	-	64,64,64,64	0
32	MG	6	197	1/1	0.29	-	48,48,48,48	0
32	MG	A	3207	1/1	0.31	-	38,38,38,38	0
32	MG	6	164	1/1	0.24	-	47,47,47,47	0
32	MG	A	2970	1/1	0.36	-	45,45,45,45	0
32	MG	6	786	1/1	0.59	-	106,106,106,106	0
32	MG	6	318	1/1	0.20	-	48,48,48,48	0
32	MG	6	598	1/1	0.46	-	90,90,90,90	0
32	MG	P	689	1/1	1.47	-	117,117,117,117	0
32	MG	6	897	1/1	0.22	-	34,34,34,34	0
32	MG	6	1063	1/1	1.20	-	78,78,78,78	0
32	MG	6	36	1/1	0.19	-	30,30,30,30	0
32	MG	A	3284	1/1	0.36	-	70,70,70,70	0
32	MG	A	3028	1/1	0.87	-	87,87,87,87	0
32	MG	A	3196	1/1	0.37	-	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	75	1/1	0.18	-	27,27,27,27	0
32	MG	6	890	1/1	0.17	-	112,112,112,112	0
32	MG	6	94	1/1	0.14	-	41,41,41,41	0
32	MG	B	480	1/1	0.22	-	83,83,83,83	0
32	MG	A	2906	1/1	0.23	-	23,23,23,23	0
32	MG	A	3266	1/1	0.30	-	70,70,70,70	0
32	MG	6	275	1/1	0.20	-	68,68,68,68	0
32	MG	6	702	1/1	0.37	-	71,71,71,71	0
32	MG	A	2979	1/1	0.14	-	41,41,41,41	0
32	MG	6	632	1/1	0.78	-	65,65,65,65	0
32	MG	A	3279	1/1	1.22	-	87,87,87,87	0
32	MG	A	2991	1/1	0.31	-	54,54,54,54	0
32	MG	A	3021	1/1	0.28	-	65,65,65,65	0
32	MG	6	1025	1/1	0.69	-	78,78,78,78	0
32	MG	A	3280	1/1	0.30	-	65,65,65,65	0
32	MG	A	3282	1/1	0.12	-	115,115,115,115	0
32	MG	6	416	1/1	0.45	-	67,67,67,67	0
32	MG	6	828	1/1	0.31	-	42,42,42,42	0
32	MG	A	2946	1/1	0.15	-	32,32,32,32	0
32	MG	6	1039	1/1	0.21	-	84,84,84,84	0
32	MG	6	894	1/1	0.20	-	72,72,72,72	0
32	MG	6	730	1/1	0.34	-	98,98,98,98	0
32	MG	6	610	1/1	0.21	-	90,90,90,90	0
32	MG	6	924	1/1	0.18	-	58,58,58,58	0
32	MG	6	234	1/1	0.18	-	77,77,77,77	0
32	MG	A	3253	1/1	0.15	-	64,64,64,64	0
32	MG	6	618	1/1	0.37	-	70,70,70,70	0
32	MG	6	1132	1/1	0.73	-	110,110,110,110	0
32	MG	6	708	1/1	0.23	-	83,83,83,83	0
32	MG	A	3122	1/1	0.18	-	54,54,54,54	0
32	MG	6	841	1/1	0.10	-	46,46,46,46	0
32	MG	A	3096	1/1	0.13	-	77,77,77,77	0
32	MG	A	2944	1/1	0.77	-	39,39,39,39	0
32	MG	6	364	1/1	0.85	-	97,97,97,97	0
32	MG	6	347	1/1	0.28	-	51,51,51,51	0
32	MG	6	254	1/1	0.22	-	43,43,43,43	0
32	MG	A	490	1/1	0.45	-	51,51,51,51	0
32	MG	6	663	1/1	1.10	-	62,62,62,62	0
32	MG	A	3270	1/1	0.36	-	98,98,98,98	0
32	MG	A	3080	1/1	1.08	-	87,87,87,87	0
32	MG	A	3269	1/1	0.65	-	80,80,80,80	0
32	MG	A	3125	1/1	0.37	-	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	1014	1/1	1.04	-	97,97,97,97	0
32	MG	A	3038	1/1	0.38	-	58,58,58,58	0
32	MG	K	1173	1/1	0.60	-	81,81,81,81	0
32	MG	6	385	1/1	0.51	-	100,100,100,100	0
32	MG	K	1009	1/1	0.29	-	104,104,104,104	0
32	MG	6	1187	1/1	0.15	-	70,70,70,70	0
32	MG	6	881	1/1	0.45	-	63,63,63,63	0
32	MG	A	2921	1/1	0.49	-	31,31,31,31	0
32	MG	6	472	1/1	0.34	-	64,64,64,64	0
32	MG	6	435	1/1	0.58	-	87,87,87,87	0
32	MG	6	309	1/1	0.50	-	63,63,63,63	0
32	MG	A	3100	1/1	0.50	-	60,60,60,60	0
32	MG	6	198	1/1	0.25	-	91,91,91,91	0
32	MG	A	4	1/1	0.30	-	23,23,23,23	0
32	MG	6	951	1/1	0.54	-	85,85,85,85	0
32	MG	6	1121	1/1	0.80	-	81,81,81,81	0
32	MG	6	959	1/1	0.65	-	63,63,63,63	0
32	MG	6	983	1/1	0.79	-	63,63,63,63	0
32	MG	A	2952	1/1	0.15	-	50,50,50,50	0
32	MG	A	3303	1/1	0.36	-	67,67,67,67	0
32	MG	6	1134	1/1	0.84	-	98,98,98,98	0
32	MG	A	3095	1/1	0.31	-	78,78,78,78	0
32	MG	6	1067	1/1	0.23	-	67,67,67,67	0
32	MG	6	578	1/1	0.62	-	77,77,77,77	0
32	MG	6	334	1/1	0.26	-	79,79,79,79	0
32	MG	A	2924	1/1	0.18	-	37,37,37,37	0
32	MG	6	718	1/1	0.37	-	94,94,94,94	0
32	MG	6	772	1/1	0.86	-	103,103,103,103	0
32	MG	6	1028	1/1	0.13	-	52,52,52,52	0
32	MG	6	138	1/1	0.30	-	42,42,42,42	0
32	MG	A	3199	1/1	0.35	-	57,57,57,57	0
32	MG	A	3156	1/1	0.35	-	80,80,80,80	0
32	MG	6	376	1/1	0.15	-	76,76,76,76	0
32	MG	6	762	1/1	0.59	-	97,97,97,97	0
32	MG	6	221	1/1	0.46	-	93,93,93,93	0
32	MG	6	1154	1/1	0.72	-	73,73,73,73	0
32	MG	6	713	1/1	0.34	-	107,107,107,107	0
32	MG	B	1073	1/1	0.18	-	79,79,79,79	0
32	MG	A	3041	1/1	0.34	-	80,80,80,80	0
32	MG	A	3161	1/1	0.26	-	62,62,62,62	0
32	MG	A	3090	1/1	0.50	-	70,70,70,70	0
32	MG	6	834	1/1	0.15	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3236	1/1	0.25	-	52,52,52,52	0
32	MG	A	3169	1/1	0.62	-	76,76,76,76	0
32	MG	B	422	1/1	1.09	-	109,109,109,109	0
32	MG	A	3288	1/1	0.71	-	85,85,85,85	0
32	MG	A	3053	1/1	0.66	-	62,62,62,62	0
32	MG	A	2969	1/1	0.23	-	61,61,61,61	0
32	MG	6	1059	1/1	0.74	-	121,121,121,121	0
32	MG	6	892	1/1	0.64	-	120,120,120,120	0
32	MG	A	3013	1/1	0.30	-	69,69,69,69	0
32	MG	6	64	1/1	0.12	-	23,23,23,23	0
32	MG	A	3302	1/1	0.62	-	47,47,47,47	0
32	MG	6	1076	1/1	0.14	-	63,63,63,63	0
32	MG	6	683	1/1	0.57	-	78,78,78,78	0
32	MG	6	259	1/1	0.21	-	70,70,70,70	0
32	MG	A	2977	1/1	0.30	-	41,41,41,41	0
32	MG	A	3263	1/1	0.32	-	62,62,62,62	0
32	MG	6	508	1/1	0.57	-	67,67,67,67	0
32	MG	6	1090	1/1	0.19	-	66,66,66,66	0
32	MG	6	1110	1/1	0.19	-	87,87,87,87	0
32	MG	6	521	1/1	0.12	-	108,108,108,108	0
32	MG	6	980	1/1	0.21	-	82,82,82,82	0
32	MG	6	750	1/1	0.20	-	94,94,94,94	0
32	MG	6	173	1/1	0.49	-	52,52,52,52	0
32	MG	6	884	1/1	0.44	-	71,71,71,71	0
32	MG	A	2901	1/1	0.10	-	5,5,5,5	0
32	MG	A	2919	1/1	0.18	-	47,47,47,47	0
32	MG	6	268	1/1	0.55	-	73,73,73,73	0
32	MG	6	735	1/1	0.36	-	81,81,81,81	0
32	MG	A	3063	1/1	0.54	-	56,56,56,56	0
32	MG	K	904	1/1	0.65	-	98,98,98,98	0
32	MG	6	232	1/1	0.15	-	68,68,68,68	0
32	MG	6	700	1/1	0.14	-	62,62,62,62	0
32	MG	A	3003	1/1	0.18	-	61,61,61,61	0
32	MG	6	88	1/1	0.32	-	37,37,37,37	0
32	MG	A	3287	1/1	1.51	-	76,76,76,76	0
32	MG	A	3020	1/1	0.44	-	67,67,67,67	0
32	MG	6	229	1/1	2.00	-	88,88,88,88	0
32	MG	6	121	1/1	0.43	-	64,64,64,64	0
32	MG	6	57	1/1	0.39	-	43,43,43,43	0
32	MG	6	822	1/1	0.62	-	54,54,54,54	0
32	MG	6	711	1/1	0.17	-	87,87,87,87	0
32	MG	A	3292	1/1	0.65	-	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	273	1/1	0.74	-	77,77,77,77	0
32	MG	6	1140	1/1	0.72	-	83,83,83,83	0
32	MG	A	555	1/1	0.41	-	69,69,69,69	0
32	MG	A	2947	1/1	0.31	-	28,28,28,28	0
32	MG	6	778	1/1	0.45	-	90,90,90,90	0
32	MG	6	40	1/1	0.08	-	7,7,7,7	0
32	MG	6	269	1/1	0.18	-	70,70,70,70	0
32	MG	A	3030	1/1	0.55	-	67,67,67,67	0
32	MG	6	500	1/1	0.27	-	100,100,100,100	0
32	MG	6	260	1/1	0.13	-	87,87,87,87	0
32	MG	6	486	1/1	0.29	-	63,63,63,63	0
32	MG	A	3044	1/1	1.05	-	65,65,65,65	0
32	MG	6	692	1/1	0.17	-	66,66,66,66	0
32	MG	6	1048	1/1	0.65	-	53,53,53,53	0
32	MG	6	887	1/1	0.13	-	65,65,65,65	0
32	MG	A	2998	1/1	0.27	-	48,48,48,48	0
32	MG	6	128	1/1	0.10	-	70,70,70,70	0
32	MG	A	3313	1/1	0.17	-	68,68,68,68	0
32	MG	A	3291	1/1	0.13	-	67,67,67,67	0
32	MG	6	152	1/1	0.78	-	57,57,57,57	0
32	MG	6	160	1/1	0.23	-	67,67,67,67	0
32	MG	6	158	1/1	0.15	-	42,42,42,42	0
32	MG	A	3117	1/1	0.31	-	101,101,101,101	0
32	MG	6	1163	1/1	0.36	-	61,61,61,61	0
32	MG	6	533	1/1	0.15	-	94,94,94,94	0
32	MG	6	965	1/1	0.23	-	119,119,119,119	0
32	MG	A	2959	1/1	0.50	-	17,17,17,17	0
32	MG	6	313	1/1	0.08	-	61,61,61,61	0
32	MG	6	792	1/1	0.24	-	24,24,24,24	0
32	MG	6	43	1/1	0.25	-	17,17,17,17	0
32	MG	A	3222	1/1	0.49	-	56,56,56,56	0
32	MG	A	3285	1/1	0.37	-	84,84,84,84	0
32	MG	6	962	1/1	0.12	-	92,92,92,92	0
32	MG	A	2908	1/1	0.28	-	16,16,16,16	0
32	MG	B	990	1/1	0.23	-	131,131,131,131	0
32	MG	6	511	1/1	0.15	-	76,76,76,76	0
32	MG	6	1113	1/1	0.12	-	74,74,74,74	0
32	MG	6	681	1/1	0.14	-	124,124,124,124	0
32	MG	6	1077	1/1	1.69	-	104,104,104,104	0
32	MG	P	1095	1/1	2.02	-	90,90,90,90	0
32	MG	6	1089	1/1	1.01	-	77,77,77,77	0
32	MG	A	3241	1/1	0.23	-	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	2980	1/1	0.67	-	54,54,54,54	0
32	MG	A	3061	1/1	0.34	-	40,40,40,40	0
32	MG	A	3138	1/1	0.38	-	76,76,76,76	0
32	MG	6	374	1/1	0.23	-	48,48,48,48	0
32	MG	6	324	1/1	0.36	-	70,70,70,70	0
32	MG	A	2961	1/1	0.40	-	30,30,30,30	0
32	MG	A	3114	1/1	0.34	-	64,64,64,64	0
32	MG	6	543	1/1	0.15	-	68,68,68,68	0
32	MG	6	441	1/1	0.29	-	79,79,79,79	0
32	MG	6	552	1/1	0.73	-	67,67,67,67	0
32	MG	6	278	1/1	0.63	-	51,51,51,51	0
32	MG	A	3031	1/1	1.16	-	102,102,102,102	0
32	MG	6	893	1/1	0.28	-	108,108,108,108	0
32	MG	6	668	1/1	0.35	-	116,116,116,116	0
32	MG	6	101	1/1	0.07	-	53,53,53,53	0
32	MG	F	630	1/1	0.38	-	102,102,102,102	0
32	MG	A	3049	1/1	0.32	-	56,56,56,56	0
32	MG	A	3118	1/1	0.42	-	52,52,52,52	0
32	MG	A	2934	1/1	0.34	-	26,26,26,26	0
32	MG	A	2949	1/1	0.27	-	47,47,47,47	0
32	MG	6	986	1/1	3.65	-	103,103,103,103	0
32	MG	6	1142	1/1	0.14	-	58,58,58,58	0
32	MG	6	489	1/1	0.75	-	78,78,78,78	0
32	MG	A	3301	1/1	0.32	-	70,70,70,70	0
32	MG	A	3168	1/1	0.36	-	50,50,50,50	0
32	MG	6	908	1/1	0.18	-	57,57,57,57	0
32	MG	6	1032	1/1	0.48	-	129,129,129,129	0
32	MG	6	306	1/1	0.54	-	90,90,90,90	0
32	MG	A	2932	1/1	0.21	-	36,36,36,36	0
32	MG	A	3006	1/1	0.32	-	83,83,83,83	0
32	MG	6	928	1/1	1.06	-	101,101,101,101	0
32	MG	A	3078	1/1	0.45	-	65,65,65,65	0
32	MG	6	671	1/1	0.63	-	67,67,67,67	0
32	MG	6	654	1/1	0.45	-	70,70,70,70	0
32	MG	A	3265	1/1	1.55	-	60,60,60,60	0
32	MG	6	73	1/1	0.32	-	30,30,30,30	0
32	MG	6	891	1/1	0.36	-	68,68,68,68	0
32	MG	A	2984	1/1	0.16	-	53,53,53,53	0
32	MG	A	2939	1/1	0.16	-	42,42,42,42	0
32	MG	6	886	1/1	0.34	-	45,45,45,45	0
32	MG	A	3091	1/1	0.58	-	83,83,83,83	0
32	MG	A	3308	1/1	0.41	-	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	1126	1/1	0.25	-	52,52,52,52	0
32	MG	6	212	1/1	0.30	-	35,35,35,35	0
32	MG	6	102	1/1	0.45	-	41,41,41,41	0
32	MG	A	2956	1/1	0.47	-	55,55,55,55	0
32	MG	6	867	1/1	0.18	-	133,133,133,133	0
32	MG	B	488	1/1	0.22	-	100,100,100,100	0
32	MG	6	1091	1/1	2.02	-	141,141,141,141	0
32	MG	6	666	1/1	0.13	-	77,77,77,77	0
32	MG	6	856	1/1	0.45	-	46,46,46,46	0
32	MG	A	3243	1/1	0.17	-	114,114,114,114	0
32	MG	A	3134	1/1	0.27	-	54,54,54,54	0
32	MG	6	645	1/1	0.84	-	109,109,109,109	0
32	MG	6	1042	1/1	1.08	-	83,83,83,83	0
32	MG	6	861	1/1	0.63	-	59,59,59,59	0
32	MG	6	335	1/1	0.10	-	62,62,62,62	0
32	MG	6	851	1/1	0.29	-	85,85,85,85	0
32	MG	6	564	1/1	0.20	-	96,96,96,96	0
32	MG	6	437	1/1	0.24	-	51,51,51,51	0
32	MG	6	179	1/1	0.20	-	37,37,37,37	0
32	MG	A	2922	1/1	0.29	-	37,37,37,37	0
32	MG	6	656	1/1	0.18	-	95,95,95,95	0
32	MG	6	1066	1/1	0.31	-	77,77,77,77	0
32	MG	6	136	1/1	0.21	-	78,78,78,78	0
32	MG	F	607	1/1	0.20	-	115,115,115,115	0
32	MG	6	375	1/1	0.33	-	55,55,55,55	0
32	MG	A	3055	1/1	0.54	-	114,114,114,114	0
32	MG	6	16	1/1	0.14	-	7,7,7,7	0
32	MG	6	580	1/1	0.38	-	78,78,78,78	0
32	MG	6	505	1/1	0.17	-	146,146,146,146	0
32	MG	6	459	1/1	0.33	-	81,81,81,81	0
32	MG	A	3088	1/1	0.37	-	63,63,63,63	0
32	MG	6	895	1/1	0.27	-	80,80,80,80	0
32	MG	A	3143	1/1	0.57	-	75,75,75,75	0
32	MG	6	902	1/1	0.64	-	108,108,108,108	0
32	MG	A	2978	1/1	0.48	-	62,62,62,62	0
32	MG	A	3295	1/1	0.24	-	42,42,42,42	0
32	MG	A	3290	1/1	0.67	-	67,67,67,67	0
32	MG	A	3214	1/1	0.36	-	69,69,69,69	0
32	MG	6	1075	1/1	0.79	-	78,78,78,78	0
32	MG	6	1114	1/1	0.21	-	30,30,30,30	0
32	MG	A	3104	1/1	0.58	-	90,90,90,90	0
32	MG	6	835	1/1	0.24	-	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	167	1/1	0.41	-	56,56,56,56	0
32	MG	A	3047	1/1	0.57	-	41,41,41,41	0
32	MG	6	976	1/1	2.34	-	108,108,108,108	0
32	MG	A	3000	1/1	1.07	-	69,69,69,69	0
32	MG	A	3175	1/1	0.43	-	84,84,84,84	0
32	MG	6	398	1/1	0.48	-	70,70,70,70	0
32	MG	A	3185	1/1	0.13	-	42,42,42,42	0
32	MG	6	551	1/1	0.20	-	67,67,67,67	0
32	MG	6	1101	1/1	0.59	-	109,109,109,109	0
32	MG	6	591	1/1	0.43	-	63,63,63,63	0
32	MG	A	2981	1/1	0.29	-	67,67,67,67	0
32	MG	6	818	1/1	0.14	-	65,65,65,65	0
32	MG	6	1179	1/1	0.92	-	126,126,126,126	0
32	MG	A	2915	1/1	0.39	-	21,21,21,21	0
32	MG	A	2903	1/1	0.23	-	18,18,18,18	0
32	MG	A	2999	1/1	0.99	-	74,74,74,74	0
32	MG	A	3296	1/1	1.56	-	68,68,68,68	0
32	MG	A	3294	1/1	0.26	-	65,65,65,65	0
32	MG	6	1136	1/1	0.43	-	103,103,103,103	0
32	MG	6	979	1/1	1.05	-	73,73,73,73	0
32	MG	6	267	1/1	0.06	-	68,68,68,68	0
32	MG	A	3209	1/1	0.41	-	94,94,94,94	0
32	MG	6	166	1/1	0.30	-	85,85,85,85	0
32	MG	A	3221	1/1	0.94	-	66,66,66,66	0
32	MG	A	3004	1/1	0.27	-	87,87,87,87	0
32	MG	6	28	1/1	0.19	-	22,22,22,22	0
32	MG	A	3191	1/1	0.49	-	115,115,115,115	0
32	MG	6	939	1/1	0.41	-	90,90,90,90	0
32	MG	6	277	1/1	0.25	-	74,74,74,74	0
32	MG	6	977	1/1	2.75	-	102,102,102,102	0
32	MG	6	298	1/1	0.24	-	69,69,69,69	0
32	MG	A	3239	1/1	0.90	-	119,119,119,119	0
32	MG	A	3109	1/1	1.01	-	78,78,78,78	0
32	MG	6	673	1/1	0.21	-	116,116,116,116	0
32	MG	6	227	1/1	0.11	-	43,43,43,43	0
32	MG	6	644	1/1	0.20	-	95,95,95,95	0
32	MG	6	989	1/1	0.42	-	61,61,61,61	0
32	MG	6	705	1/1	0.37	-	73,73,73,73	0
32	MG	A	3012	1/1	0.25	-	60,60,60,60	0
32	MG	6	1034	1/1	1.02	-	80,80,80,80	0
32	MG	6	752	1/1	0.31	-	68,68,68,68	0
32	MG	A	3261	1/1	0.40	-	104,104,104,104	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	1185	1/1	0.25	-	104,104,104,104	0
32	MG	A	3133	1/1	1.17	-	87,87,87,87	0
32	MG	A	3300	1/1	0.27	-	64,64,64,64	0
32	MG	A	3015	1/1	0.78	-	58,58,58,58	0
32	MG	A	3210	1/1	0.24	-	48,48,48,48	0
32	MG	6	793	1/1	0.15	-	30,30,30,30	0
32	MG	6	803	1/1	0.14	-	60,60,60,60	0
32	MG	6	396	1/1	0.55	-	106,106,106,106	0
32	MG	6	315	1/1	0.24	-	79,79,79,79	0
32	MG	6	794	1/1	0.17	-	51,51,51,51	0
32	MG	6	432	1/1	0.24	-	54,54,54,54	0
32	MG	6	919	1/1	0.17	-	54,54,54,54	0
32	MG	A	2940	1/1	0.22	-	17,17,17,17	0
32	MG	A	3216	1/1	0.22	-	53,53,53,53	0
32	MG	B	391	1/1	0.42	-	71,71,71,71	0
32	MG	A	3272	1/1	0.42	-	58,58,58,58	0
32	MG	6	397	1/1	0.63	-	72,72,72,72	0
32	MG	6	150	1/1	0.16	-	34,34,34,34	0
32	MG	K	985	1/1	0.20	-	49,49,49,49	0
32	MG	6	876	1/1	0.60	-	70,70,70,70	0
32	MG	6	728	1/1	0.14	-	80,80,80,80	0
32	MG	6	535	1/1	0.92	-	81,81,81,81	0
32	MG	6	70	1/1	0.11	-	57,57,57,57	0
32	MG	6	934	1/1	0.21	-	104,104,104,104	0
32	MG	6	1087	1/1	0.89	-	108,108,108,108	0
32	MG	A	3244	1/1	0.34	-	60,60,60,60	0
32	MG	A	3011	1/1	0.69	-	63,63,63,63	0
32	MG	6	314	1/1	0.58	-	97,97,97,97	0
32	MG	6	1152	1/1	0.27	-	78,78,78,78	0
32	MG	A	3164	1/1	1.10	-	72,72,72,72	0
32	MG	A	2964	1/1	0.58	-	24,24,24,24	0
32	MG	6	448	1/1	0.11	-	59,59,59,59	0
32	MG	6	119	1/1	0.21	-	58,58,58,58	0
32	MG	A	3119	1/1	0.54	-	89,89,89,89	0
32	MG	6	601	1/1	0.28	-	64,64,64,64	0
32	MG	6	624	1/1	0.31	-	96,96,96,96	0
32	MG	6	484	1/1	0.24	-	72,72,72,72	0
32	MG	A	3050	1/1	0.55	-	67,67,67,67	0
32	MG	6	423	1/1	0.50	-	75,75,75,75	0
32	MG	6	209	1/1	0.18	-	64,64,64,64	0
32	MG	6	781	1/1	2.02	-	83,83,83,83	0
32	MG	A	974	1/1	0.22	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	350	1/1	0.30	-	71,71,71,71	0
32	MG	6	623	1/1	0.15	-	71,71,71,71	0
32	MG	A	3116	1/1	0.59	-	77,77,77,77	0
32	MG	6	466	1/1	1.07	-	85,85,85,85	0
32	MG	A	2935	1/1	0.59	-	29,29,29,29	0
32	MG	6	76	1/1	0.15	-	42,42,42,42	0
32	MG	6	1049	1/1	0.50	-	74,74,74,74	0
32	MG	A	2929	1/1	0.22	-	28,28,28,28	0
32	MG	6	506	1/1	0.39	-	89,89,89,89	0
32	MG	6	148	1/1	0.17	-	37,37,37,37	0
32	MG	6	787	1/1	0.19	-	90,90,90,90	0
32	MG	A	3046	1/1	0.15	-	86,86,86,86	0
32	MG	A	3022	1/1	0.38	-	82,82,82,82	0
32	MG	6	695	1/1	1.85	-	78,78,78,78	0
32	MG	6	512	1/1	0.25	-	61,61,61,61	0
32	MG	6	1004	1/1	0.51	-	91,91,91,91	0
32	MG	A	3064	1/1	0.30	-	86,86,86,86	0
32	MG	A	3097	1/1	0.55	-	75,75,75,75	0
32	MG	6	606	1/1	0.28	-	81,81,81,81	0
32	MG	A	3106	1/1	0.46	-	46,46,46,46	0
32	MG	6	526	1/1	0.38	-	76,76,76,76	0
32	MG	6	1050	1/1	0.24	-	134,134,134,134	0
32	MG	A	3142	1/1	0.44	-	84,84,84,84	0
32	MG	A	2973	1/1	0.17	-	59,59,59,59	0
32	MG	A	2914	1/1	0.15	-	24,24,24,24	0
32	MG	6	339	1/1	0.17	-	99,99,99,99	0
32	MG	6	415	1/1	0.18	-	107,107,107,107	0
32	MG	6	487	1/1	0.45	-	82,82,82,82	0
32	MG	6	1103	1/1	0.68	-	72,72,72,72	0
32	MG	6	451	1/1	0.93	-	65,65,65,65	0
32	MG	6	1158	1/1	0.70	-	117,117,117,117	0
32	MG	6	476	1/1	0.21	-	71,71,71,71	0
32	MG	6	846	1/1	0.13	-	39,39,39,39	0
32	MG	6	97	1/1	0.28	-	40,40,40,40	0
32	MG	A	3139	1/1	0.31	-	78,78,78,78	0
32	MG	6	1180	1/1	3.04	-	115,115,115,115	0
32	MG	A	3267	1/1	0.16	-	80,80,80,80	0
32	MG	6	540	1/1	0.71	-	72,72,72,72	0
32	MG	6	1120	1/1	0.15	-	66,66,66,66	0
32	MG	A	3208	1/1	0.32	-	60,60,60,60	0
32	MG	A	3084	1/1	0.54	-	73,73,73,73	0
32	MG	6	1123	1/1	0.15	-	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3182	1/1	0.21	-	22,22,22,22	0
32	MG	6	739	1/1	0.70	-	97,97,97,97	0
32	MG	6	866	1/1	0.44	-	80,80,80,80	0
32	MG	6	296	1/1	0.32	-	75,75,75,75	0
32	MG	6	1036	1/1	0.26	-	88,88,88,88	0
32	MG	K	251	1/1	0.64	-	72,72,72,72	0
32	MG	2	1040	1/1	0.72	-	64,64,64,64	0
32	MG	A	3017	1/1	0.24	-	60,60,60,60	0
32	MG	A	3171	1/1	0.21	-	64,64,64,64	0
32	MG	B	592	1/1	0.54	-	112,112,112,112	0
32	MG	6	140	1/1	0.14	-	49,49,49,49	0
32	MG	A	3298	1/1	0.30	-	118,118,118,118	0
32	MG	6	1129	1/1	0.47	-	97,97,97,97	0
32	MG	6	847	1/1	0.58	-	61,61,61,61	0
32	MG	A	3293	1/1	1.00	-	62,62,62,62	0
32	MG	A	3115	1/1	0.37	-	57,57,57,57	0
32	MG	A	3075	1/1	0.39	-	83,83,83,83	0
32	MG	A	3077	1/1	0.27	-	73,73,73,73	0
32	MG	6	235	1/1	0.26	-	76,76,76,76	0
32	MG	6	643	1/1	0.47	-	67,67,67,67	0
32	MG	6	127	1/1	0.19	-	48,48,48,48	0
32	MG	A	3068	1/1	0.17	-	72,72,72,72	0
32	MG	6	184	1/1	0.21	-	63,63,63,63	0
32	MG	A	3278	1/1	0.15	-	78,78,78,78	0
32	MG	A	3202	1/1	0.68	-	64,64,64,64	0
32	MG	A	2986	1/1	0.35	-	36,36,36,36	0
32	MG	A	3283	1/1	0.46	-	77,77,77,77	0
32	MG	A	3037	1/1	0.41	-	94,94,94,94	0
32	MG	A	3027	1/1	0.24	-	57,57,57,57	0
32	MG	P	929	1/1	0.40	-	81,81,81,81	0
32	MG	6	1194	1/1	3.57	-	117,117,117,117	0
32	MG	6	1023	1/1	0.34	-	79,79,79,79	0
32	MG	A	2927	1/1	0.27	-	41,41,41,41	0
32	MG	6	426	1/1	0.20	-	48,48,48,48	0
32	MG	A	3200	1/1	0.20	-	81,81,81,81	0
32	MG	6	759	1/1	0.83	-	81,81,81,81	0
32	MG	6	317	1/1	1.16	-	67,67,67,67	0
32	MG	6	1137	1/1	0.76	-	106,106,106,106	0
32	MG	6	172	1/1	0.16	-	50,50,50,50	0
32	MG	6	611	1/1	0.20	-	114,114,114,114	0
32	MG	6	262	1/1	0.13	-	70,70,70,70	0
32	MG	6	252	1/1	0.31	-	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3147	1/1	0.69	-	68,68,68,68	0
32	MG	6	956	1/1	0.54	-	56,56,56,56	0
32	MG	A	2938	1/1	0.23	-	22,22,22,22	0
32	MG	6	214	1/1	0.65	-	74,74,74,74	0
32	MG	A	2953	1/1	0.30	-	35,35,35,35	0
32	MG	A	3251	1/1	0.21	-	37,37,37,37	0
32	MG	A	3045	1/1	0.74	-	67,67,67,67	0
32	MG	A	3223	1/1	0.46	-	48,48,48,48	0
32	MG	A	2996	1/1	0.30	-	59,59,59,59	0
32	MG	A	2917	1/1	0.30	-	49,49,49,49	0
32	MG	6	338	1/1	0.15	-	79,79,79,79	0
32	MG	6	1062	1/1	0.91	-	85,85,85,85	0
32	MG	6	733	1/1	0.40	-	107,107,107,107	0
32	MG	A	3007	1/1	0.15	-	91,91,91,91	0
32	MG	A	3024	1/1	0.25	-	62,62,62,62	0
32	MG	6	557	1/1	0.98	-	86,86,86,86	0
32	MG	6	462	1/1	0.14	-	53,53,53,53	0
32	MG	A	3129	1/1	0.11	-	72,72,72,72	0
32	MG	6	743	1/1	0.29	-	81,81,81,81	0
32	MG	6	223	1/1	0.31	-	69,69,69,69	0
32	MG	6	554	1/1	0.54	-	61,61,61,61	0
32	MG	6	795	1/1	0.20	-	10,10,10,10	0
32	MG	6	913	1/1	0.69	-	90,90,90,90	0
32	MG	A	3235	1/1	0.49	-	24,24,24,24	0
32	MG	6	79	1/1	0.19	-	25,25,25,25	0
32	MG	A	3289	1/1	1.17	-	87,87,87,87	0
32	MG	6	821	1/1	0.10	-	46,46,46,46	0
32	MG	6	586	1/1	0.15	-	109,109,109,109	0
32	MG	A	3189	1/1	0.40	-	45,45,45,45	0
32	MG	6	336	1/1	0.24	-	49,49,49,49	0
32	MG	6	755	1/1	0.31	-	58,58,58,58	0
32	MG	6	1007	1/1	0.23	-	103,103,103,103	0
32	MG	6	239	1/1	0.38	-	76,76,76,76	0
32	MG	A	2942	1/1	0.59	-	33,33,33,33	0
32	MG	6	1053	1/1	0.76	-	69,69,69,69	0
32	MG	A	3262	1/1	0.76	-	75,75,75,75	0
32	MG	6	1111	1/1	0.15	-	75,75,75,75	0
32	MG	A	3128	1/1	1.02	-	79,79,79,79	0
32	MG	6	365	1/1	0.35	-	51,51,51,51	0
32	MG	6	238	1/1	0.41	-	35,35,35,35	0
32	MG	6	377	1/1	0.17	-	79,79,79,79	0
32	MG	P	770	1/1	0.82	-	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	2913	1/1	0.45	-	17,17,17,17	0
32	MG	6	495	1/1	0.23	-	79,79,79,79	0
32	MG	6	242	1/1	0.22	-	59,59,59,59	0
32	MG	6	419	1/1	0.16	-	112,112,112,112	0
32	MG	A	3057	1/1	0.75	-	74,74,74,74	0
32	MG	6	288	1/1	0.16	-	51,51,51,51	0
32	MG	P	1037	1/1	0.17	-	74,74,74,74	0
32	MG	A	2928	1/1	0.30	-	32,32,32,32	0
32	MG	A	3016	1/1	0.44	-	62,62,62,62	0
32	MG	A	3121	1/1	1.20	-	95,95,95,95	0
32	MG	6	211	1/1	0.43	-	56,56,56,56	0
32	MG	A	3074	1/1	0.20	-	75,75,75,75	0
32	MG	A	3193	1/1	0.41	-	52,52,52,52	0
32	MG	A	3273	1/1	0.34	-	63,63,63,63	0
32	MG	6	501	1/1	0.65	-	71,71,71,71	0
32	MG	6	1046	1/1	0.66	-	96,96,96,96	0
32	MG	A	3009	1/1	0.15	-	47,47,47,47	0
32	MG	6	331	1/1	0.20	-	71,71,71,71	0
32	MG	6	420	1/1	0.35	-	61,61,61,61	0
32	MG	6	1168	1/1	0.64	-	45,45,45,45	0
32	MG	6	216	1/1	0.15	-	31,31,31,31	0
32	MG	6	953	1/1	0.20	-	75,75,75,75	0
32	MG	A	3203	1/1	0.19	-	80,80,80,80	0
32	MG	6	906	1/1	0.13	-	60,60,60,60	0
32	MG	6	244	1/1	0.08	-	62,62,62,62	0
32	MG	A	3002	1/1	0.30	-	57,57,57,57	0
32	MG	6	445	1/1	0.16	-	56,56,56,56	0
32	MG	A	3162	1/1	0.23	-	94,94,94,94	0
32	MG	6	1085	1/1	0.35	-	68,68,68,68	0
32	MG	6	970	1/1	0.14	-	100,100,100,100	0
32	MG	A	3099	1/1	0.73	-	63,63,63,63	0
32	MG	A	3014	1/1	0.15	-	68,68,68,68	0
32	MG	6	100	1/1	0.07	-	52,52,52,52	0
32	MG	A	3025	1/1	0.12	-	53,53,53,53	0
32	MG	A	3141	1/1	0.24	-	68,68,68,68	0
32	MG	6	872	1/1	0.34	-	74,74,74,74	0
32	MG	6	129	1/1	0.37	-	45,45,45,45	0
32	MG	A	3194	1/1	0.53	-	53,53,53,53	0
32	MG	6	134	1/1	0.24	-	2,2,2,2	0
32	MG	6	363	1/1	0.10	-	66,66,66,66	0
32	MG	A	3310	1/1	0.55	-	124,124,124,124	0
32	MG	A	3211	1/1	0.14	-	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3190	1/1	0.64	-	88,88,88,88	0
32	MG	6	411	1/1	0.20	-	79,79,79,79	0
32	MG	A	2911	1/1	0.22	-	38,38,38,38	0
32	MG	A	3218	1/1	0.29	-	65,65,65,65	0
32	MG	A	3036	1/1	0.20	-	65,65,65,65	0
32	MG	A	2968	1/1	0.22	-	47,47,47,47	0
32	MG	6	1064	1/1	0.12	-	33,33,33,33	0
32	MG	6	22	1/1	0.14	-	17,17,17,17	0
32	MG	6	434	1/1	0.17	-	67,67,67,67	0
32	MG	6	729	1/1	0.82	-	61,61,61,61	0
32	MG	6	972	1/1	0.56	-	72,72,72,72	0
32	MG	A	2950	1/1	0.23	-	37,37,37,37	0
32	MG	6	969	1/1	0.44	-	94,94,94,94	0
32	MG	6	510	1/1	0.18	-	70,70,70,70	0
32	MG	6	865	1/1	0.11	-	56,56,56,56	0
32	MG	A	3166	1/1	1.20	-	71,71,71,71	0
32	MG	6	568	1/1	0.71	-	101,101,101,101	0
32	MG	P	981	1/1	0.23	-	75,75,75,75	0
32	MG	6	66	1/1	0.09	-	38,38,38,38	0
32	MG	6	696	1/1	0.29	-	128,128,128,128	0
32	MG	6	366	1/1	0.81	-	89,89,89,89	0
32	MG	A	3132	1/1	0.28	-	77,77,77,77	0
32	MG	6	418	1/1	1.65	-	93,93,93,93	0
32	MG	A	3158	1/1	0.18	-	105,105,105,105	0
32	MG	A	2918	1/1	0.37	-	29,29,29,29	0
32	MG	6	344	1/1	0.55	-	65,65,65,65	0
32	MG	A	2989	1/1	0.57	-	56,56,56,56	0
32	MG	K	383	1/1	0.23	-	76,76,76,76	0
32	MG	A	3086	1/1	0.47	-	69,69,69,69	0
32	MG	A	3256	1/1	0.71	-	76,76,76,76	0
32	MG	6	1069	1/1	0.64	-	84,84,84,84	0
32	MG	6	170	1/1	0.53	-	68,68,68,68	0
32	MG	A	2962	1/1	0.20	-	47,47,47,47	0
32	MG	A	3010	1/1	0.60	-	58,58,58,58	0
32	MG	A	3081	1/1	0.45	-	68,68,68,68	0
32	MG	A	3072	1/1	0.67	-	67,67,67,67	0
32	MG	6	279	1/1	0.27	-	93,93,93,93	0
32	MG	6	911	1/1	0.32	-	130,130,130,130	0
32	MG	6	228	1/1	0.27	-	67,67,67,67	0
32	MG	6	875	1/1	0.46	-	66,66,66,66	0
32	MG	A	2993	1/1	0.55	-	46,46,46,46	0
32	MG	A	2941	1/1	0.33	-	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3039	1/1	0.56	-	70,70,70,70	0
32	MG	6	660	1/1	1.18	-	99,99,99,99	0
32	MG	6	709	1/1	1.11	-	88,88,88,88	0
32	MG	6	224	1/1	0.39	-	67,67,67,67	0
32	MG	A	3160	1/1	0.60	-	106,106,106,106	0
32	MG	6	931	1/1	0.16	-	54,54,54,54	0
32	MG	A	3276	1/1	1.23	-	119,119,119,119	0
32	MG	6	84	1/1	0.11	-	40,40,40,40	0
32	MG	A	2943	1/1	0.17	-	14,14,14,14	0
32	MG	A	3178	1/1	0.67	-	93,93,93,93	0
32	MG	6	507	1/1	0.26	-	92,92,92,92	0
32	MG	A	3103	1/1	0.39	-	99,99,99,99	0
32	MG	6	126	1/1	0.25	-	40,40,40,40	0
32	MG	6	440	1/1	0.81	-	65,65,65,65	0
32	MG	6	15	1/1	0.10	-	6,6,6,6	0
32	MG	A	3183	1/1	0.56	-	20,20,20,20	0
32	MG	A	2948	1/1	0.27	-	38,38,38,38	0
32	MG	6	463	1/1	0.34	-	70,70,70,70	0
32	MG	6	32	1/1	0.25	-	15,15,15,15	0
32	MG	A	3127	1/1	0.21	-	67,67,67,67	0
32	MG	A	3229	1/1	0.69	-	81,81,81,81	0
32	MG	6	1106	1/1	0.74	-	73,73,73,73	0
32	MG	6	1144	1/1	0.13	-	30,30,30,30	0
32	MG	A	168	1/1	0.14	-	37,37,37,37	0
32	MG	6	225	1/1	0.18	-	48,48,48,48	0
32	MG	6	409	1/1	0.10	-	68,68,68,68	0
32	MG	6	389	1/1	0.48	-	66,66,66,66	0
32	MG	A	3026	1/1	0.32	-	63,63,63,63	0
32	MG	A	2955	1/1	0.16	-	42,42,42,42	0
32	MG	6	1119	1/1	0.44	-	95,95,95,95	0
32	MG	6	199	1/1	0.16	-	55,55,55,55	0
32	MG	6	710	1/1	0.46	-	71,71,71,71	0
32	MG	6	91	1/1	0.19	-	32,32,32,32	0
32	MG	6	1084	1/1	0.25	-	96,96,96,96	0
32	MG	6	141	1/1	0.15	-	29,29,29,29	0
32	MG	6	1145	1/1	0.17	-	95,95,95,95	0
32	MG	6	789	1/1	0.14	-	9,9,9,9	0
32	MG	6	791	1/1	0.19	-	27,27,27,27	0
32	MG	6	722	1/1	0.12	-	88,88,88,88	0
32	MG	A	3130	1/1	0.17	-	67,67,67,67	0
32	MG	6	358	1/1	0.22	-	103,103,103,103	0
32	MG	6	748	1/1	0.89	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	2909	1/1	0.51	-	31,31,31,31	0
32	MG	B	337	1/1	0.44	-	87,87,87,87	0
32	MG	A	2976	1/1	0.15	-	48,48,48,48	0
32	MG	A	3019	1/1	0.61	-	64,64,64,64	0
32	MG	6	1177	1/1	0.44	-	52,52,52,52	0
32	MG	6	1149	1/1	0.30	-	90,90,90,90	0
32	MG	6	836	1/1	0.36	-	78,78,78,78	0
32	MG	6	271	1/1	0.15	-	69,69,69,69	0
32	MG	A	3259	1/1	0.34	-	79,79,79,79	0
32	MG	A	3154	1/1	0.14	-	89,89,89,89	0
32	MG	6	346	1/1	0.18	-	75,75,75,75	0
32	MG	6	831	1/1	0.40	-	99,99,99,99	0
32	MG	6	515	1/1	0.53	-	64,64,64,64	0
32	MG	A	2963	1/1	0.18	-	75,75,75,75	0
32	MG	A	3305	1/1	0.31	-	89,89,89,89	0
32	MG	A	2936	1/1	0.57	-	53,53,53,53	0
32	MG	6	662	1/1	1.46	-	74,74,74,74	0
32	MG	6	575	1/1	0.15	-	79,79,79,79	0
32	MG	6	741	1/1	0.36	-	93,93,93,93	0
32	MG	A	3181	1/1	0.24	-	26,26,26,26	0
32	MG	A	2904	1/1	0.46	-	24,24,24,24	0
32	MG	6	1065	1/1	0.32	-	97,97,97,97	0
32	MG	6	253	1/1	0.80	-	74,74,74,74	0
32	MG	A	3137	1/1	2.05	-	68,68,68,68	0
32	MG	A	3079	1/1	0.31	-	61,61,61,61	0
32	MG	6	699	1/1	0.36	-	84,84,84,84	0
32	MG	A	2905	1/1	0.67	-	27,27,27,27	0
32	MG	6	1083	1/1	0.24	-	101,101,101,101	0
32	MG	A	3232	1/1	0.32	-	62,62,62,62	0
32	MG	6	777	1/1	1.91	-	108,108,108,108	0
32	MG	6	585	1/1	0.20	-	74,74,74,74	0
32	MG	6	634	1/1	0.72	-	106,106,106,106	0
32	MG	6	595	1/1	0.39	-	59,59,59,59	0
32	MG	A	3250	1/1	0.39	-	77,77,77,77	0
32	MG	6	859	1/1	0.16	-	65,65,65,65	0
32	MG	6	520	1/1	0.56	-	80,80,80,80	0
32	MG	6	1051	1/1	0.75	-	113,113,113,113	0
32	MG	A	3005	1/1	0.17	-	37,37,37,37	0
32	MG	A	3069	1/1	0.41	-	67,67,67,67	0
32	MG	6	1122	1/1	0.32	-	102,102,102,102	0
32	MG	6	181	1/1	0.16	-	47,47,47,47	0
32	MG	A	3146	1/1	0.18	-	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	131	1/1	0.25	-	63,63,63,63	0
32	MG	A	3257	1/1	0.51	-	81,81,81,81	0
32	MG	A	3286	1/1	0.29	-	62,62,62,62	0
32	MG	A	3065	1/1	0.58	-	59,59,59,59	0
32	MG	6	813	1/1	0.12	-	87,87,87,87	0
32	MG	A	3054	1/1	0.48	-	63,63,63,63	0
32	MG	6	153	1/1	0.26	-	70,70,70,70	0
32	MG	6	1079	1/1	1.12	-	75,75,75,75	0
32	MG	A	3056	1/1	0.32	-	60,60,60,60	0
32	MG	6	565	1/1	0.33	-	71,71,71,71	0
32	MG	6	1081	1/1	0.80	-	79,79,79,79	0
32	MG	6	823	1/1	0.24	-	48,48,48,48	0
32	MG	6	360	1/1	0.47	-	99,99,99,99	0
32	MG	B	1125	1/1	0.34	-	78,78,78,78	0
32	MG	6	1005	1/1	1.13	-	80,80,80,80	0
32	MG	6	1078	1/1	0.27	-	49,49,49,49	0
32	MG	6	647	1/1	0.27	-	86,86,86,86	0
32	MG	6	1178	1/1	0.16	-	60,60,60,60	0
32	MG	6	627	1/1	0.11	-	92,92,92,92	0
32	MG	A	3281	1/1	0.33	-	71,71,71,71	0
32	MG	6	307	1/1	0.19	-	85,85,85,85	0
32	MG	6	1052	1/1	0.32	-	98,98,98,98	0
32	MG	A	3126	1/1	0.46	-	78,78,78,78	0
32	MG	6	106	1/1	0.11	-	38,38,38,38	0
32	MG	6	572	1/1	0.20	-	115,115,115,115	0
32	MG	6	992	1/1	0.26	-	120,120,120,120	0
32	MG	6	1170	1/1	0.55	-	73,73,73,73	0
32	MG	A	3152	1/1	0.25	-	75,75,75,75	0
32	MG	A	3089	1/1	0.26	-	83,83,83,83	0
32	MG	A	3312	1/1	0.48	-	74,74,74,74	0
32	MG	6	903	1/1	0.11	-	64,64,64,64	0
32	MG	A	3264	1/1	0.14	-	53,53,53,53	0
32	MG	6	538	1/1	0.20	-	85,85,85,85	0
32	MG	A	3213	1/1	0.18	-	59,59,59,59	0
32	MG	A	2923	1/1	0.34	-	42,42,42,42	0
32	MG	A	1172	1/1	0.74	-	121,121,121,121	0
32	MG	A	3204	1/1	0.64	-	63,63,63,63	0
32	MG	6	261	1/1	0.14	-	49,49,49,49	0
32	MG	K	612	1/1	0.59	-	78,78,78,78	0
32	MG	A	3108	1/1	0.48	-	71,71,71,71	0
32	MG	6	917	1/1	0.58	-	87,87,87,87	0
32	MG	A	2910	1/1	0.14	-	4,4,4,4	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	371	1/1	0.43	-	70,70,70,70	0
32	MG	A	3163	1/1	0.58	-	83,83,83,83	0
32	MG	A	3136	1/1	0.34	-	78,78,78,78	0
32	MG	6	877	1/1	0.36	-	117,117,117,117	0
32	MG	6	144	1/1	0.24	-	59,59,59,59	0
32	MG	6	182	1/1	0.62	-	44,44,44,44	0
32	MG	6	773	1/1	1.20	-	117,117,117,117	0
32	MG	6	282	1/1	0.39	-	76,76,76,76	0
32	MG	B	308	1/1	0.32	-	75,75,75,75	0
32	MG	6	175	1/1	0.11	-	46,46,46,46	0
32	MG	6	493	1/1	0.56	-	77,77,77,77	0
32	MG	A	3170	1/1	0.68	-	75,75,75,75	0
32	MG	6	806	1/1	0.16	-	28,28,28,28	0
32	MG	6	348	1/1	0.26	-	77,77,77,77	0
32	MG	6	264	1/1	0.12	-	99,99,99,99	0
32	MG	A	2931	1/1	0.13	-	43,43,43,43	0
32	MG	A	3151	1/1	0.53	-	129,129,129,129	0
32	MG	A	3040	1/1	0.15	-	64,64,64,64	0
32	MG	A	3179	1/1	0.84	-	72,72,72,72	0
32	MG	A	2945	1/1	0.34	-	47,47,47,47	0
32	MG	A	2902	1/1	0.17	-	7,7,7,7	0
32	MG	A	2994	1/1	0.64	-	45,45,45,45	0
32	MG	6	464	1/1	0.13	-	70,70,70,70	0
32	MG	6	156	1/1	0.47	-	56,56,56,56	0
32	MG	6	706	1/1	0.20	-	143,143,143,143	0
32	MG	6	955	1/1	0.68	-	81,81,81,81	0
32	MG	6	693	1/1	0.56	-	59,59,59,59	0
32	MG	A	3051	1/1	0.18	-	46,46,46,46	0
32	MG	6	1013	1/1	0.47	-	81,81,81,81	0
32	MG	A	3052	1/1	0.21	-	60,60,60,60	0
32	MG	6	14	1/1	0.17	-	5,5,5,5	0
32	MG	6	715	1/1	0.18	-	68,68,68,68	0
32	MG	A	3246	1/1	0.61	-	47,47,47,47	0
32	MG	A	3231	1/1	0.20	-	66,66,66,66	0
32	MG	6	117	1/1	0.72	-	44,44,44,44	0
32	MG	A	2954	1/1	0.33	-	35,35,35,35	0
32	MG	A	3258	1/1	0.16	-	57,57,57,57	0
32	MG	6	1162	1/1	0.57	-	68,68,68,68	0
32	MG	A	3033	1/1	0.36	-	44,44,44,44	0
32	MG	A	3157	1/1	0.35	-	68,68,68,68	0
32	MG	A	3206	1/1	0.55	-	74,74,74,74	0
32	MG	6	12	1/1	0.15	-	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	A	3275	1/1	0.34	-	91,91,91,91	0
32	MG	6	414	1/1	0.18	-	89,89,89,89	0
32	MG	A	3018	1/1	0.22	-	77,77,77,77	0
32	MG	6	870	1/1	0.12	-	48,48,48,48	0
32	MG	A	3131	1/1	0.18	-	64,64,64,64	0
32	MG	6	1176	1/1	0.93	-	69,69,69,69	0
32	MG	6	626	1/1	0.17	-	85,85,85,85	0
32	MG	A	2966	1/1	0.09	-	37,37,37,37	0
32	MG	6	1092	1/1	0.39	-	74,74,74,74	0
32	MG	6	295	1/1	0.41	-	49,49,49,49	0
32	MG	6	936	1/1	0.14	-	72,72,72,72	0
32	MG	6	1100	1/1	0.72	-	51,51,51,51	0
32	MG	6	155	1/1	0.19	-	54,54,54,54	0
32	MG	A	2974	1/1	0.18	-	40,40,40,40	0
32	MG	6	567	1/1	0.66	-	83,83,83,83	0
32	MG	6	352	1/1	0.58	-	48,48,48,48	0
32	MG	6	95	1/1	0.07	-	24,24,24,24	0
32	MG	A	3225	1/1	1.00	-	54,54,54,54	0
32	MG	A	2983	1/1	0.36	-	60,60,60,60	0
32	MG	6	878	1/1	0.09	-	58,58,58,58	0
32	MG	A	3180	1/1	0.21	-	19,19,19,19	0
32	MG	A	2957	1/1	0.20	-	40,40,40,40	0
32	MG	6	599	1/1	0.17	-	70,70,70,70	0
32	MG	A	3093	1/1	0.26	-	53,53,53,53	0
32	MG	6	808	1/1	0.09	-	38,38,38,38	0
32	MG	6	304	1/1	0.80	-	79,79,79,79	0
32	MG	6	297	1/1	0.34	-	36,36,36,36	0
32	MG	6	247	1/1	0.92	-	62,62,62,62	0
32	MG	A	3148	1/1	0.85	-	82,82,82,82	0
32	MG	A	3110	1/1	0.64	-	91,91,91,91	0
32	MG	6	1188	1/1	0.21	-	155,155,155,155	0
32	MG	6	453	1/1	0.35	-	63,63,63,63	0
32	MG	6	941	1/1	0.15	-	54,54,54,54	0
32	MG	A	3059	1/1	0.34	-	76,76,76,76	0
32	MG	6	553	1/1	1.62	-	50,50,50,50	0
32	MG	6	807	1/1	0.11	-	26,26,26,26	0
32	MG	6	653	1/1	0.17	-	72,72,72,72	0
32	MG	A	3042	1/1	0.54	-	89,89,89,89	0
32	MG	6	614	1/1	0.72	-	63,63,63,63	0
32	MG	6	1	1/1	0.11	-	7,7,7,7	0
32	MG	6	455	1/1	0.58	-	72,72,72,72	0
32	MG	A	3233	1/1	0.60	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	916	1/1	0.19	-	69,69,69,69	0
32	MG	6	25	1/1	0.09	-	22,22,22,22	0
32	MG	6	590	1/1	0.38	-	87,87,87,87	0
32	MG	A	3184	1/1	0.24	-	27,27,27,27	0
32	MG	A	2992	1/1	0.20	-	57,57,57,57	0
32	MG	6	926	1/1	0.19	-	60,60,60,60	0
32	MG	6	1029	1/1	0.15	-	86,86,86,86	0
32	MG	6	724	1/1	2.17	-	91,91,91,91	0
32	MG	6	912	1/1	1.74	-	78,78,78,78	0
32	MG	A	3307	1/1	0.44	-	83,83,83,83	0
32	MG	A	3226	1/1	0.24	-	45,45,45,45	0
32	MG	6	345	1/1	0.16	-	77,77,77,77	0
32	MG	6	619	1/1	0.11	-	90,90,90,90	0
32	MG	6	942	1/1	0.29	-	143,143,143,143	0
32	MG	6	899	1/1	0.15	-	81,81,81,81	0
32	MG	6	845	1/1	0.25	-	83,83,83,83	0
32	MG	6	263	1/1	0.48	-	51,51,51,51	0
32	MG	A	2937	1/1	0.50	-	50,50,50,50	0
32	MG	A	3245	1/1	0.63	-	82,82,82,82	0
32	MG	6	833	1/1	0.16	-	80,80,80,80	0
32	MG	6	744	1/1	0.18	-	83,83,83,83	0
32	MG	6	443	1/1	0.17	-	80,80,80,80	0
32	MG	B	406	1/1	0.19	-	105,105,105,105	0
32	MG	6	665	1/1	1.50	-	82,82,82,82	0
32	MG	6	404	1/1	0.63	-	56,56,56,56	0
32	MG	6	1015	1/1	0.95	-	41,41,41,41	0
32	MG	6	1124	1/1	0.54	-	102,102,102,102	0
32	MG	A	2972	1/1	0.25	-	52,52,52,52	0
32	MG	6	615	1/1	0.28	-	82,82,82,82	0
32	MG	6	231	1/1	0.59	-	35,35,35,35	0
32	MG	A	3035	1/1	0.26	-	93,93,93,93	0
32	MG	6	1156	1/1	0.43	-	72,72,72,72	0
32	MG	6	368	1/1	0.15	-	79,79,79,79	0
32	MG	6	381	1/1	0.58	-	65,65,65,65	0
32	MG	A	3195	1/1	0.34	-	45,45,45,45	0
32	MG	A	2965	1/1	0.48	-	51,51,51,51	0
32	MG	6	72	1/1	0.12	-	25,25,25,25	0
32	MG	6	588	1/1	0.46	-	69,69,69,69	0
32	MG	A	3173	1/1	0.65	-	102,102,102,102	0
32	MG	6	54	1/1	0.18	-	43,43,43,43	0
32	MG	A	3101	1/1	0.23	-	70,70,70,70	0
32	MG	A	2975	1/1	0.42	-	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	MG	6	885	1/1	0.36	-	70,70,70,70	0
32	MG	6	479	1/1	0.60	-	58,58,58,58	0
32	MG	A	2985	1/1	0.66	-	54,54,54,54	0
32	MG	6	147	1/1	0.61	-	64,64,64,64	0
32	MG	A	3192	1/1	0.30	-	76,76,76,76	0
32	MG	A	3197	1/1	0.17	-	53,53,53,53	0
32	MG	6	600	1/1	0.27	-	110,110,110,110	0
32	MG	A	2900	1/1	0.37	-	12,12,12,12	0
32	MG	6	424	1/1	0.20	-	72,72,72,72	0
32	MG	A	3268	1/1	0.33	-	116,116,116,116	0
32	MG	6	56	1/1	0.29	-	22,22,22,22	0
32	MG	6	1107	1/1	0.36	-	91,91,91,91	0
32	MG	6	46	1/1	0.29	-	31,31,31,31	0
32	MG	6	149	1/1	0.60	-	53,53,53,53	0
32	MG	6	388	1/1	0.08	-	66,66,66,66	0
32	MG	6	532	1/1	0.48	-	40,40,40,40	0
32	MG	6	949	1/1	0.15	-	40,40,40,40	0

6.5 Other polymers ⓘ

There are no such residues in this entry.