



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 6, 2026 – 12:46 AM UTC

PDB ID : 6QL7 / pdb_00006ql7
Title : Structure of fatty acid synthase complex with bound gamma subunit from *Saccharomyces cerevisiae* at 4.6 angstrom
Authors : Singh, K.; Graf, B.; Linden, A.; Sautner, V.; Urlaub, H.; Tittmann, K.; Stark, H.; Chari, A.
Deposited on : 2019-01-31
Resolution : 4.60 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

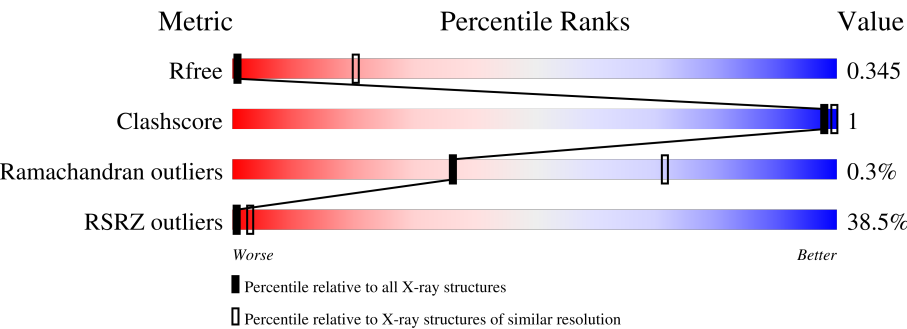
MolProbity : 4-5-2 with Phenix2.0
Xtriage (Phenix) : 2.0
EDS : 3.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4 : 9.0.010 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)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

1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 4.60 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R _{free}	180053	1007 (5.28-3.92)
Clashscore	190562	1022 (5.26-3.94)
Ramachandran outliers	187476	1069 (5.30-3.90)
RSRZ outliers	180081	1002 (5.28-3.92)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	1887	33% 92% 7%
1	B	1887	34% 92% 7%
1	C	1887	38% 92% 7%
1	D	1887	34% 92% 7%
1	E	1887	32% 92% 7%
1	F	1887	38% 92% 7%
1	a	1887	33% 92% 7%

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Mol	Chain	Length	Quality of chain
1	b	1887	35% 92% 7%
1	c	1887	32% 92% 7%
1	d	1887	36% 92% 7%
1	e	1887	37% 92% 7%
1	f	1887	32% 92% 7%
2	G	2051	41% 98% ..
2	H	2051	45% 98% ..
2	I	2051	47% 98% ..
2	J	2051	31% 98% ..
2	K	2051	33% 98% ..
2	L	2051	37% 98% ..
2	g	2051	36% 98% ..
2	h	2051	33% 98% ..
2	i	2051	33% 98% ..
2	j	2051	42% 98% ..
2	k	2051	44% 98% ..
2	l	2051	44% 98% ..
3	M	150	41% 75% 25%
3	N	150	42% 75% 25%
3	O	150	47% 75% 25%
3	P	150	29% 74% 25%
3	Q	150	39% 75% 25%
3	R	150	31% 74% 25%
3	m	150	47% 75% 25%
3	n	150	34% 75% 25%

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Mol	Chain	Length	Quality of chain
3	o	150	37% 74% 25%
3	p	150	33% 75% 25%
3	q	150	36% 74% 25%
3	r	150	33% 75% 25%

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 231252 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Fatty acid synthase subunit alpha.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
1	A	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	B	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	C	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	D	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	E	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	F	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	a	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	b	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	c	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	d	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	e	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			
1	f	1760	Total	C	N	O	0	0	0
			8667	5147	1760	1760			

- Molecule 2 is a protein called Fatty acid synthase subunit beta.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
2	G	2036	Total	C	N	O	0	0	0
			10046	5974	2036	2036			
2	H	2036	Total	C	N	O	0	0	0
			10046	5974	2036	2036			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
2	I	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	J	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	K	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	L	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	g	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	h	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	i	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	j	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	k	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0
2	l	2036	Total 10046	C 5974	N 2036	O 2036	0	0	0

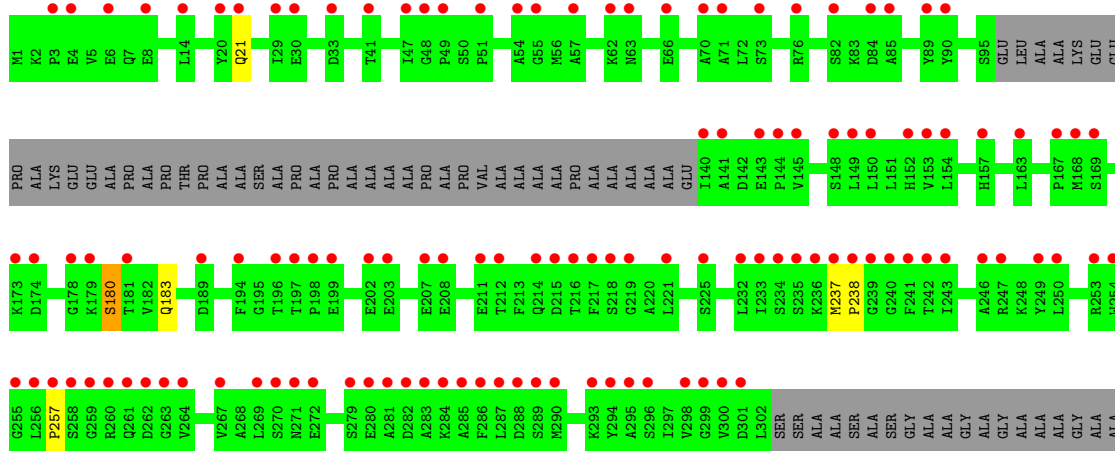
- Molecule 3 is a protein called Translation machinery-associated protein 17.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
3	M	113	Total 558	C 332	N 113	O 113	0	0	0
3	N	113	Total 558	C 332	N 113	O 113	0	0	0
3	O	113	Total 558	C 332	N 113	O 113	0	0	0
3	P	113	Total 558	C 332	N 113	O 113	0	0	0
3	Q	113	Total 558	C 332	N 113	O 113	0	0	0
3	R	113	Total 558	C 332	N 113	O 113	0	0	0
3	m	113	Total 558	C 332	N 113	O 113	0	0	0
3	n	113	Total 558	C 332	N 113	O 113	0	0	0
3	o	113	Total 558	C 332	N 113	O 113	0	0	0

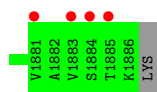
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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
3	p	113	Total	C	N	O	0	0	0
			558	332	113	113			
3	q	113	Total	C	N	O	0	0	0
			558	332	113	113			
3	r	113	Total	C	N	O	0	0	0
			558	332	113	113			

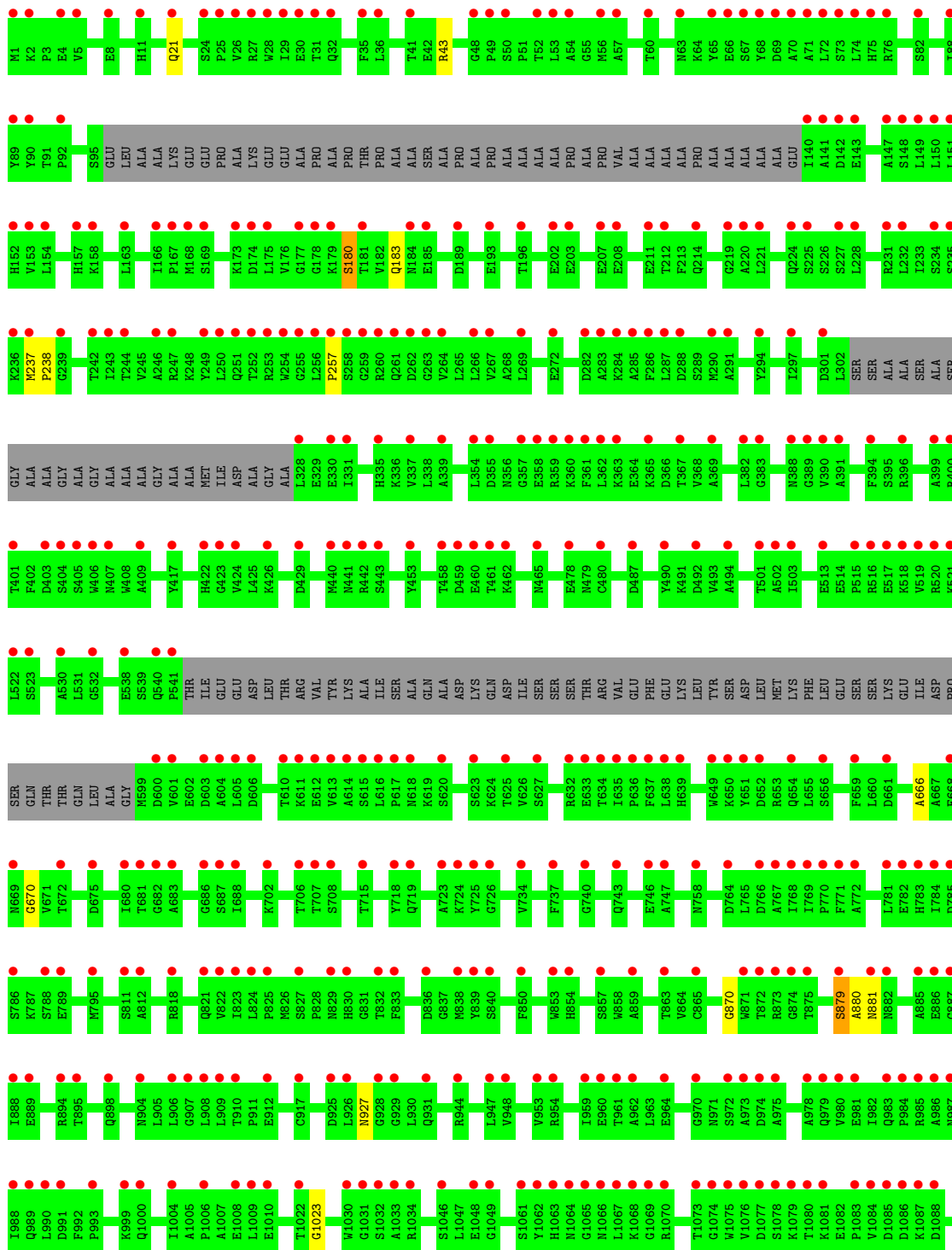


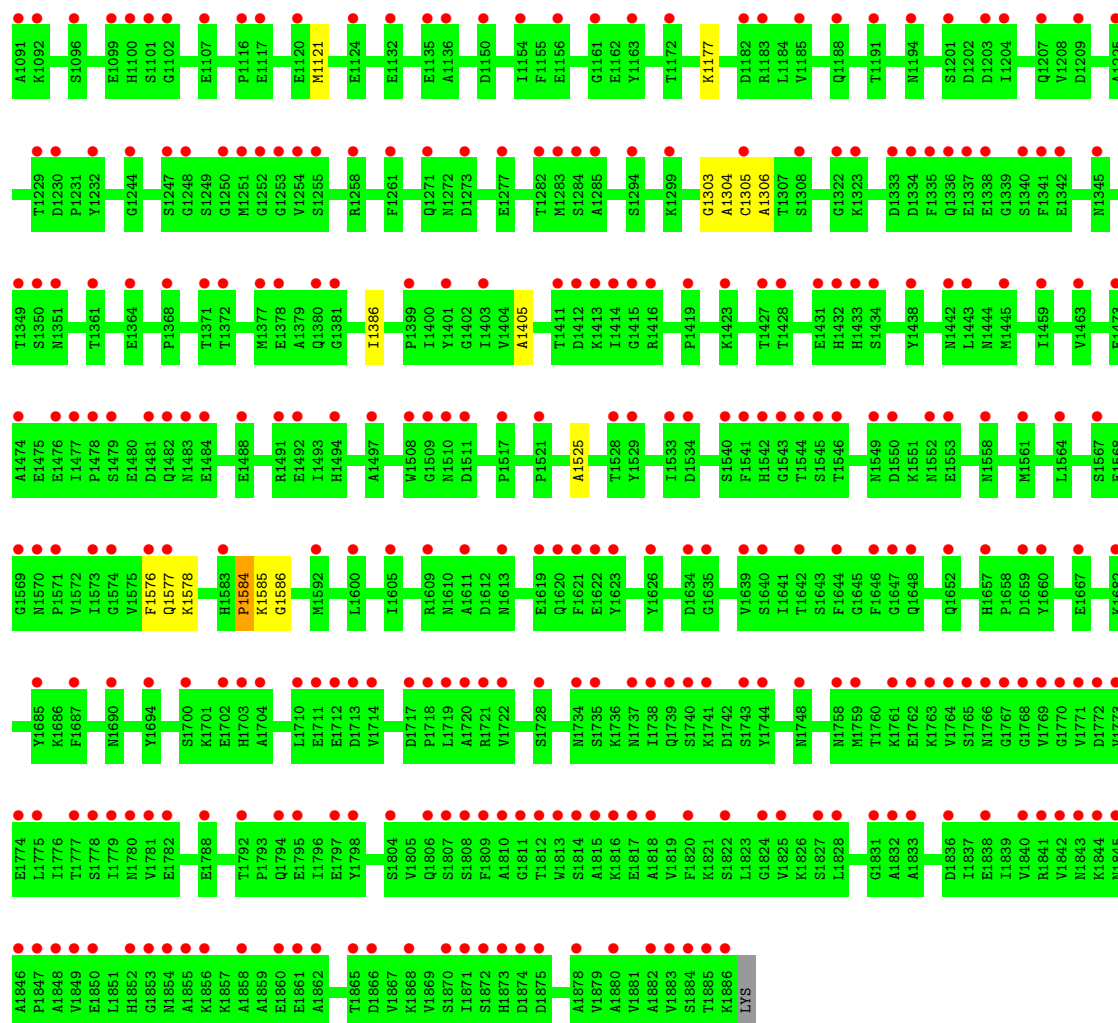




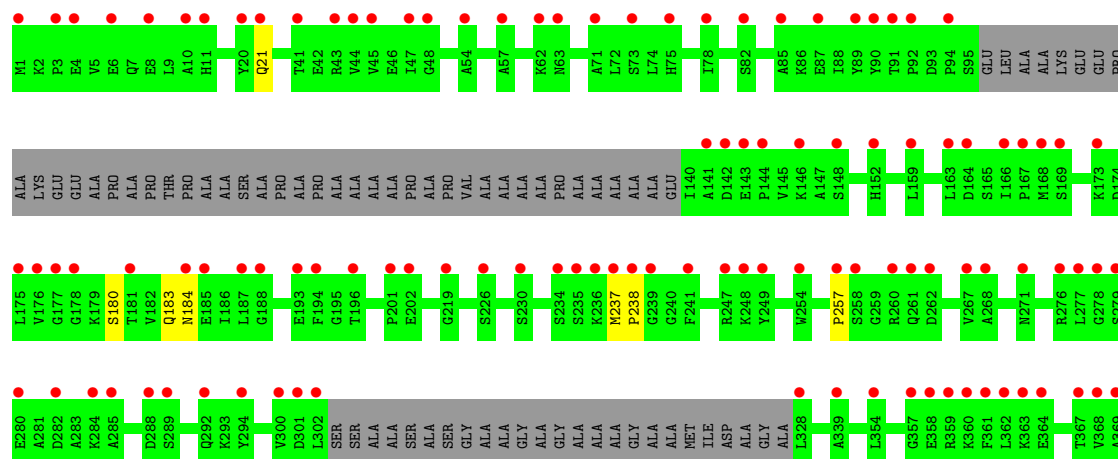
• Molecule 1: Fatty acid synthase subunit alpha

Chain C: 38% 92% 7%

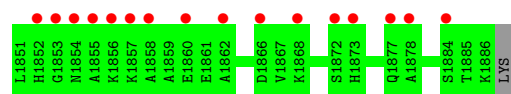




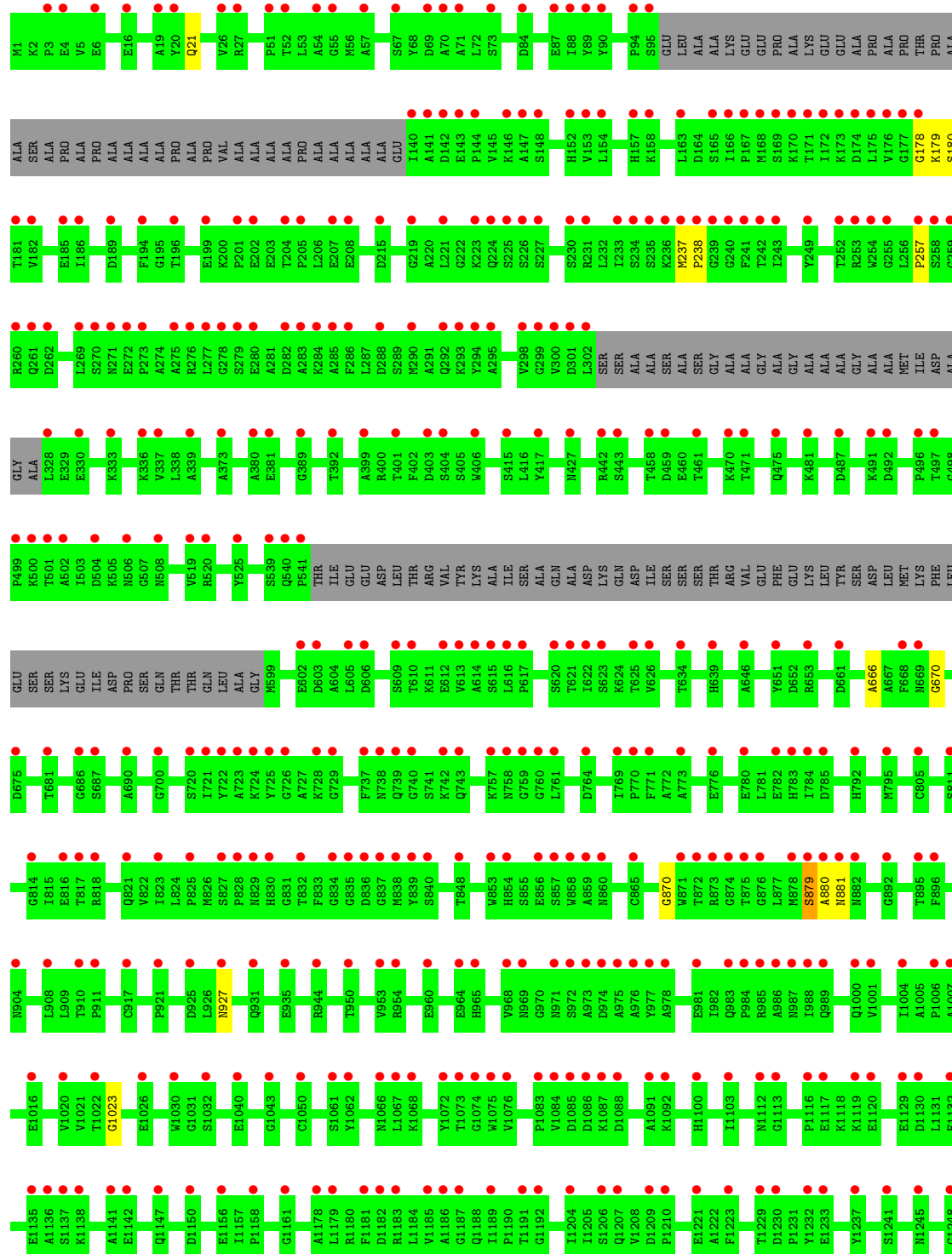
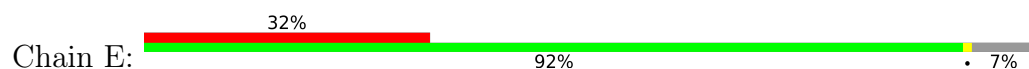
• Molecule 1: Fatty acid synthase subunit alpha

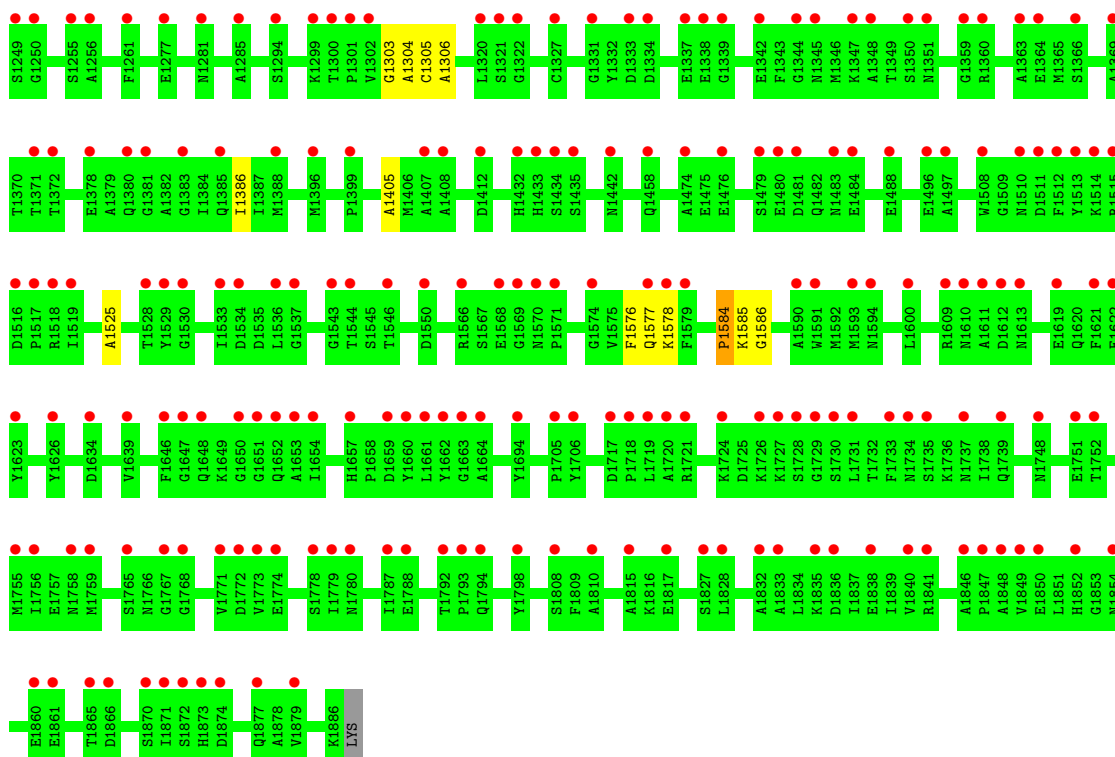


H1780	H1781	H1782	H1783	H1784	H1785	H1786	H1787	H1788	H1789	H1790	H1791	H1792	H1793	H1794	H1795	H1796	H1797	H1798	H1799	S1800	P1803	S1804	P1806	S1807	S1808	P1809	A1810	G1811	E1817	A1818	G1824	H1825	S1826	A1827	M1828	L1829	H1832	A1833	L1834	K1835	L1837	E1838	V1839	V1840	H1841	V1842	M1843	A1846	P1847	A1848	V1849				
Y1694	H1695	V1699	E1702	H1703	A1704	P1705	E1711	E1712	D1713	V1714	D1717	P1718	L1719	L1720	R1721	V1722	S1723	K1726	K1727	S1728	L1731	F1732	F1733	A1734	S1735	Q1739	S1743	Y1744	A1747	A1748	N1749	N1750	N1751	N1752	N1753	N1754	N1755	N1756	N1757	N1758	N1759	N1760	K1763	V1764	S1765	N1766	G1767	G1770	V1771	D1772	V1773	E1774	S1777	V1778	I1779
G1586	A1590	M1591	M1592	M1593	N1594	Q1598	L1599	L1600	R1609	N1610	A1611	K1616	F1621	E1622	Y1623	Y1626	P1627	S1628	D1634	F1639	S1640	I1641	T1642	S1643	F1644	G1647	Q1648	Q1652	A1653	I1654	V1655	V1656	H1657	P1658	D1659	Y1660	T1665	T1666	E1667	D1668	G1672	Y1673	Y1674	Y1675	Y1676	Y1677	Y1678	H1689	P1584	K1585					
E1468	S1479	M1483	H1494	N1495	A1496	A1497	A1504	M1508	G1509	M1510	D1511	F1512	Y1513	K1514	A1515	D1516	P1517	R1518	F1521	A1525	T1528	Y1529	D1534	F1541	H1542	K1547	A1548	M1549	D1550	K1551	M1553	H1563	L1564	G1565	R1566	M1570	G1574	V1575	F1576	Q1577	K1578	P1584	K1585												
P1362	A1363	E1364	M1365	S1366	R1367	P1368	A1369	T1370	T1371	T1372	R1373	N1374	A1379	Q1380	G1381	A1382	G1383	I1384	Q1385	I1386	I1387	M1388	V1388	P1399	I1400	Y1401	I1403	A1404	A1405	A1406	A1407	A1408	T1409	A1410	T1411	D1412	R1416	S1417	P1421	G1422	T1427	T1428	E1431	H1432	H1433	S1434	S1435	V1436	K1437	M1445					
M1261	S1265	F1261	N1272	D1273	Q1276	F1279	I1280	N1281	T1282	N1283	R1284	A1285	N1288	S1293	S1294	G1303	A1304	C1305	A1306	T1307	S1308	D1313	L1320	S1321	G1322	R1325	I1326	C1327	G1330	D1333	D1334	E1337	E1338	F1342	G1343	N1345	M1346	K1347	A1348	T1349	S1350	N1351													
H1146	S1164	T1172	Y1174	I1175	P1176	A1177	A1179	R1180	F1181	R1182	R1183	G1184	A1185	A1186	G1187	T1191	G1192	G1199	I1200	D1202	D1203	I1204	Q1207	V1208	D1209	P1210	V1220	E1221	A1222	F1223	S1226	G1227	I1228	T1229	D1230	E1233	V1238	M1239	V1240	S1241	E1242	C1245	S1247	G1248	S1249	G1250									
A1033	R1034	T1035	E1040	E1048	W1055	M1056	M1057	G1058	Y1062	N1063	M1064	G1065	N1066	L1067	K1068	G1069	R1070	P1071	Y1072	T1073	G1074	V1075	V1076	P1083	V1084	D1085	D1086	K1087	D1088	A1091	K1092	S1096	G1102	I1103	G1113	P1116	K1119	E1120	M1121	I1122	Q1123	E1124	E1132	P1133	F1134	E1135									
E912	V913	V914	E915	L916	C917	Q918	D925	L926	N927	G928	L947	T950	S951	E952	V953	E960	T961	A962	S972	A973	A976	E981	I982	Q983	R984	R985	A986	F992	K1002	A1005	A1006	A1007	E1008	L1009	E1010	G1011	E1016	T1019	F996	S997	Q998	F1024	A1025	E1026	G1031	S1032									
G814	Q821	V822	I823	R824	P825	M826	S827	P828	N829	H830	G831	T832	F833	Y834	G835	W853	H854	S855	E856	S857	W858	A859	N860	C865	G870	W871	T872	R873	G874	T875	G876	S879	A880	N881	N882	A885	E886	G887	I888	G892	V893	R894	T895	F896	S897	Q898	W901	N904	P911						
G682	A683	G686	A690	G700	A701	T706	T715	D716	Y717	Y718	Q719	S720	I721	Y722	A723	K724	Y725	G726	A727	K728	G729	S730	T731	W738	Q739	Q743	A747	Y763	D764	L765	D766	A773	I774	P775	E782	A791	G804	C805	V806	K807	A666	K808	Q809	K810	S811	A812	R813								
S523	L531	S539	O540	P541	THR	ILE	GLU	ASP	LEU	THR	ARG	VAL	TYR	LYS	ALA	ILE	SER	ALA	GLN	ALA	ASP	LYS	GLN	ASP	THR	ARG	VAL	GLU	PHE	GLU	LYS	LEU	TYR	ASP	ASP	LEU	GLU	SER	LYS	GLU	ILE	ASP	PRO	SER	GLN	THR	THR								
A379	L378	N379	A380	E381	G389	V390	A391	E396	A399	R400	T401	F402	D403	S404	S405	W406	A409	V452	R442	S443	T458	D459	E478	N479	K491	D492	V493	A494	K495	G498	P499	K500	T501	A502	I503	D504	K505	N506	G507	N508	R516	V519	A520	K521	L522										

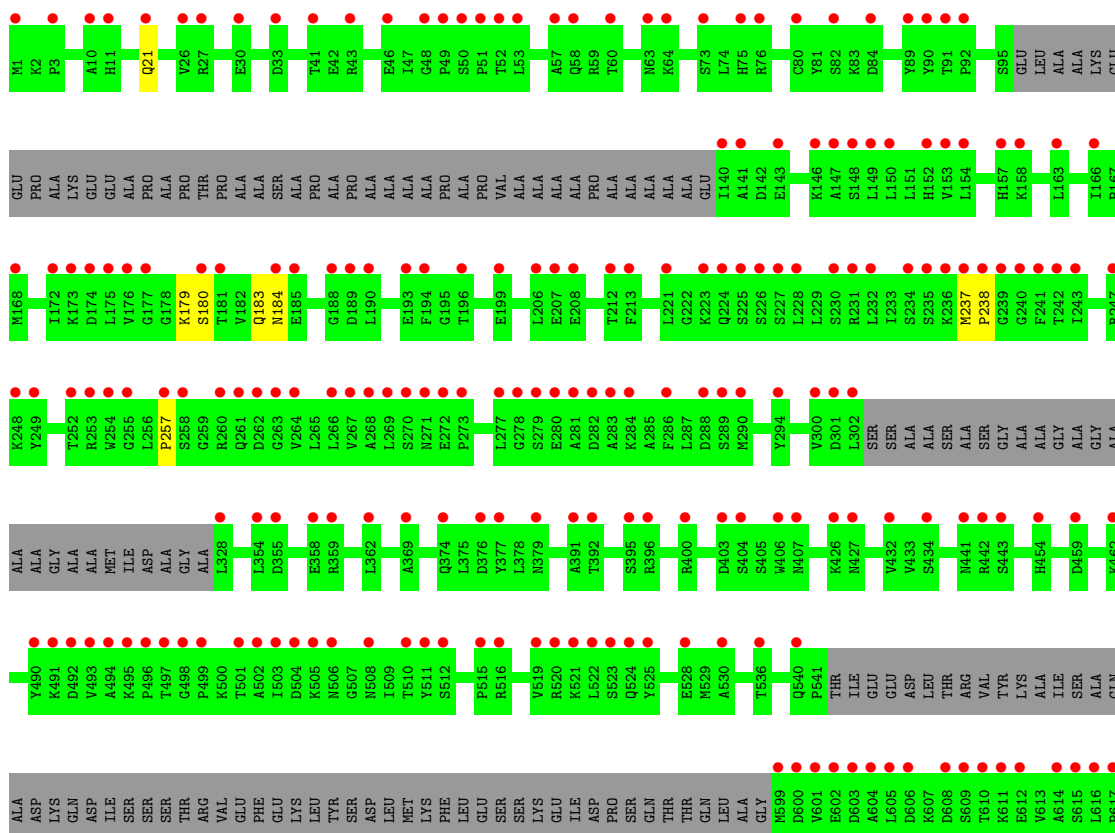
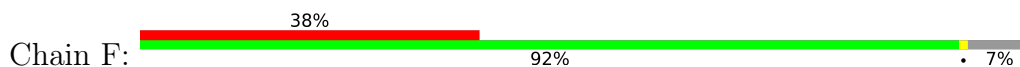


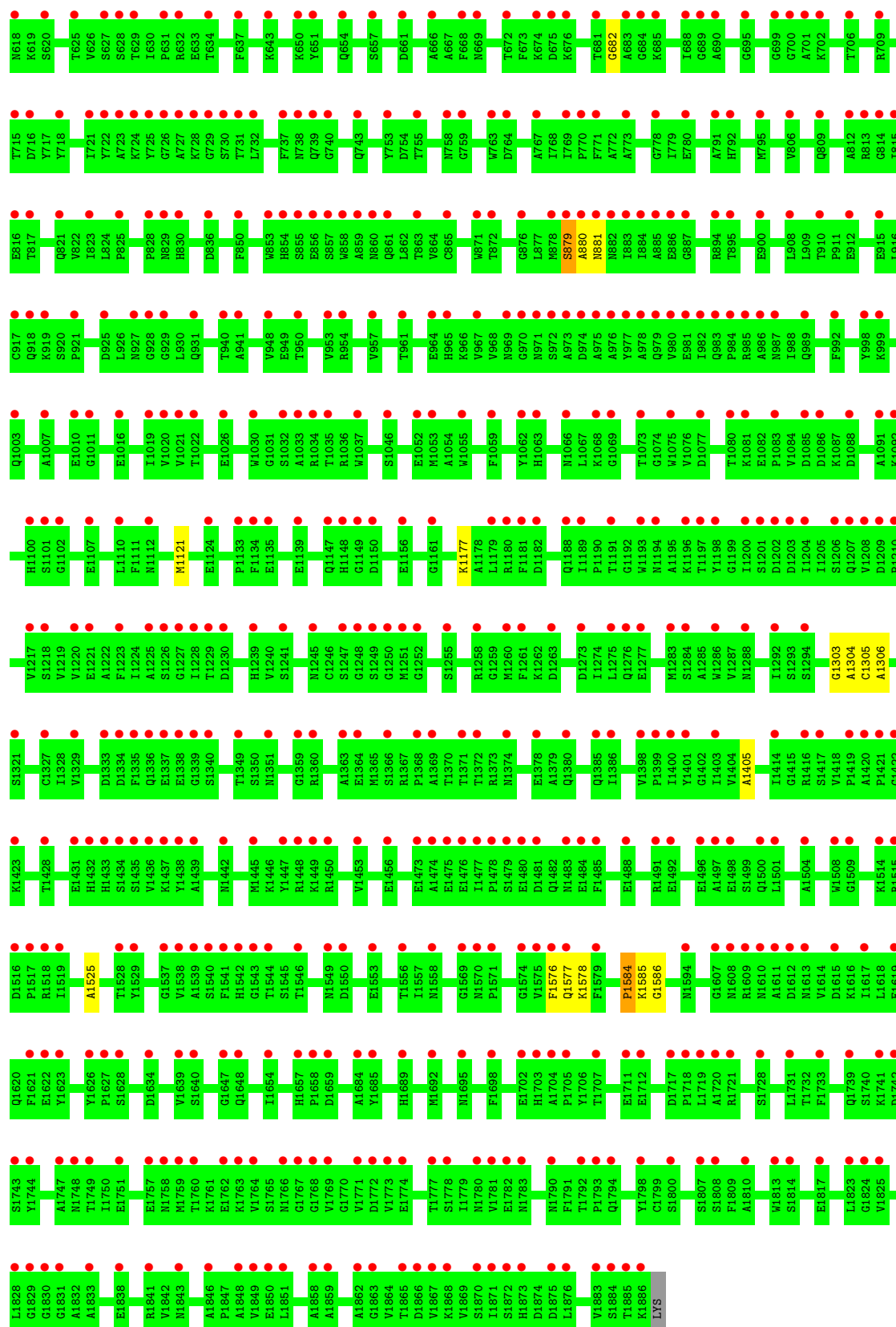
● Molecule 1: Fatty acid synthase subunit alpha



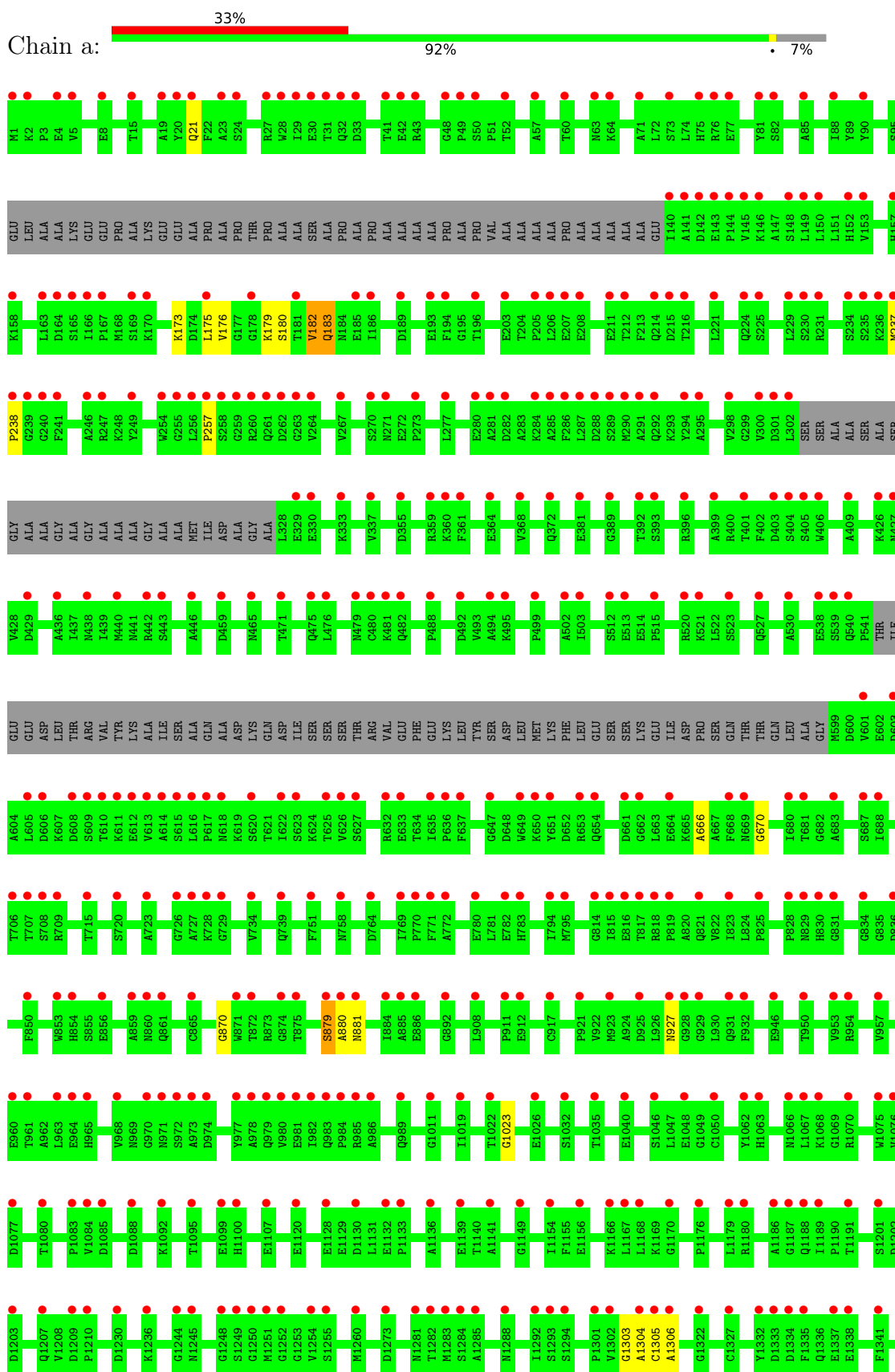


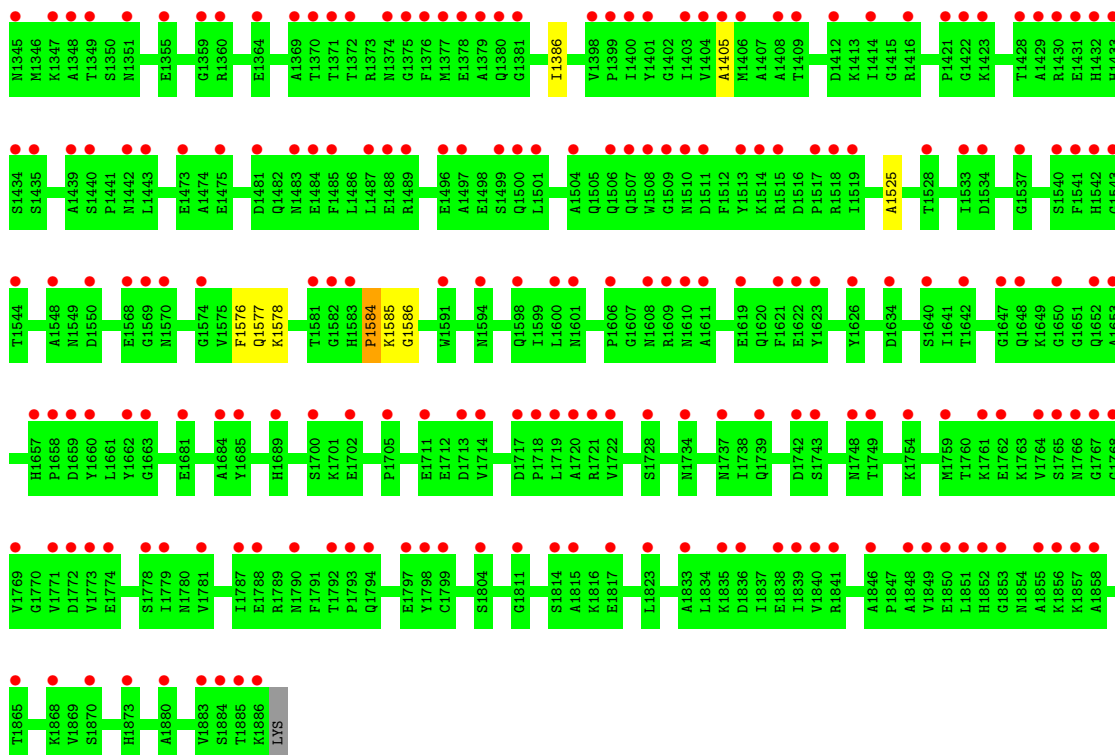
• Molecule 1: Fatty acid synthase subunit alpha



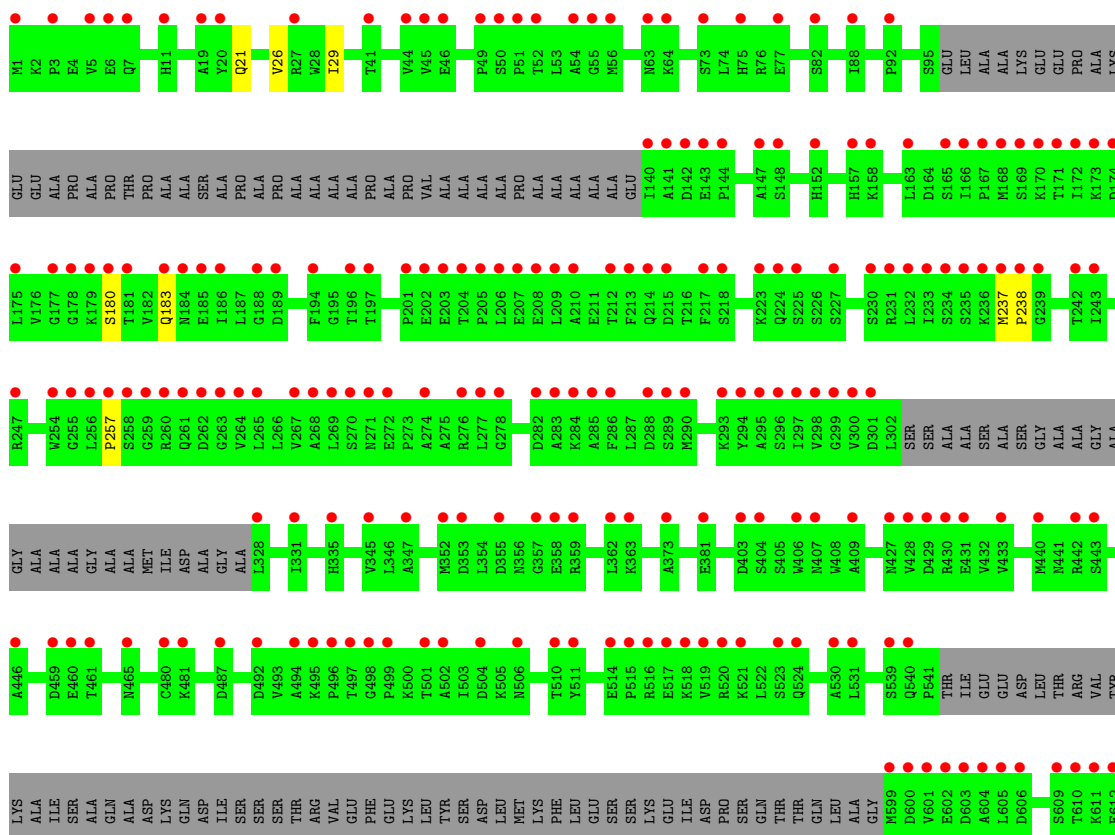


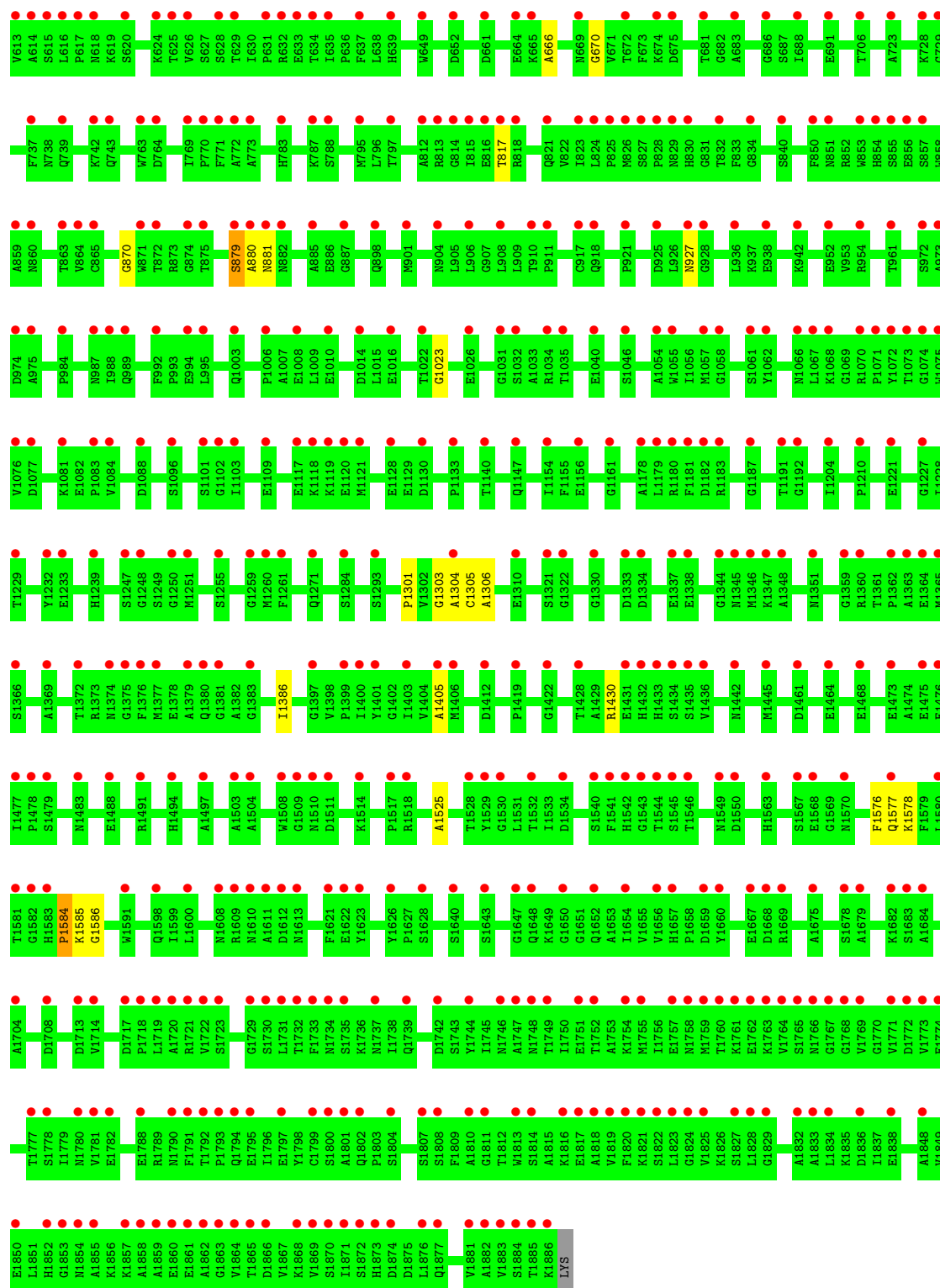
- Molecule 1: Fatty acid synthase subunit alpha



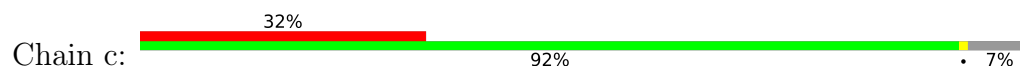


- Molecule 1: Fatty acid synthase subunit alpha

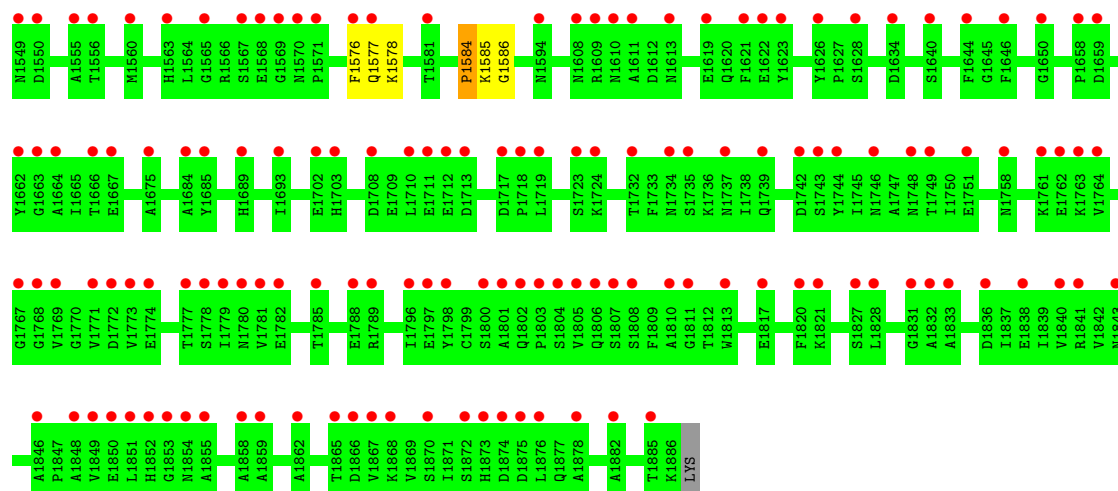




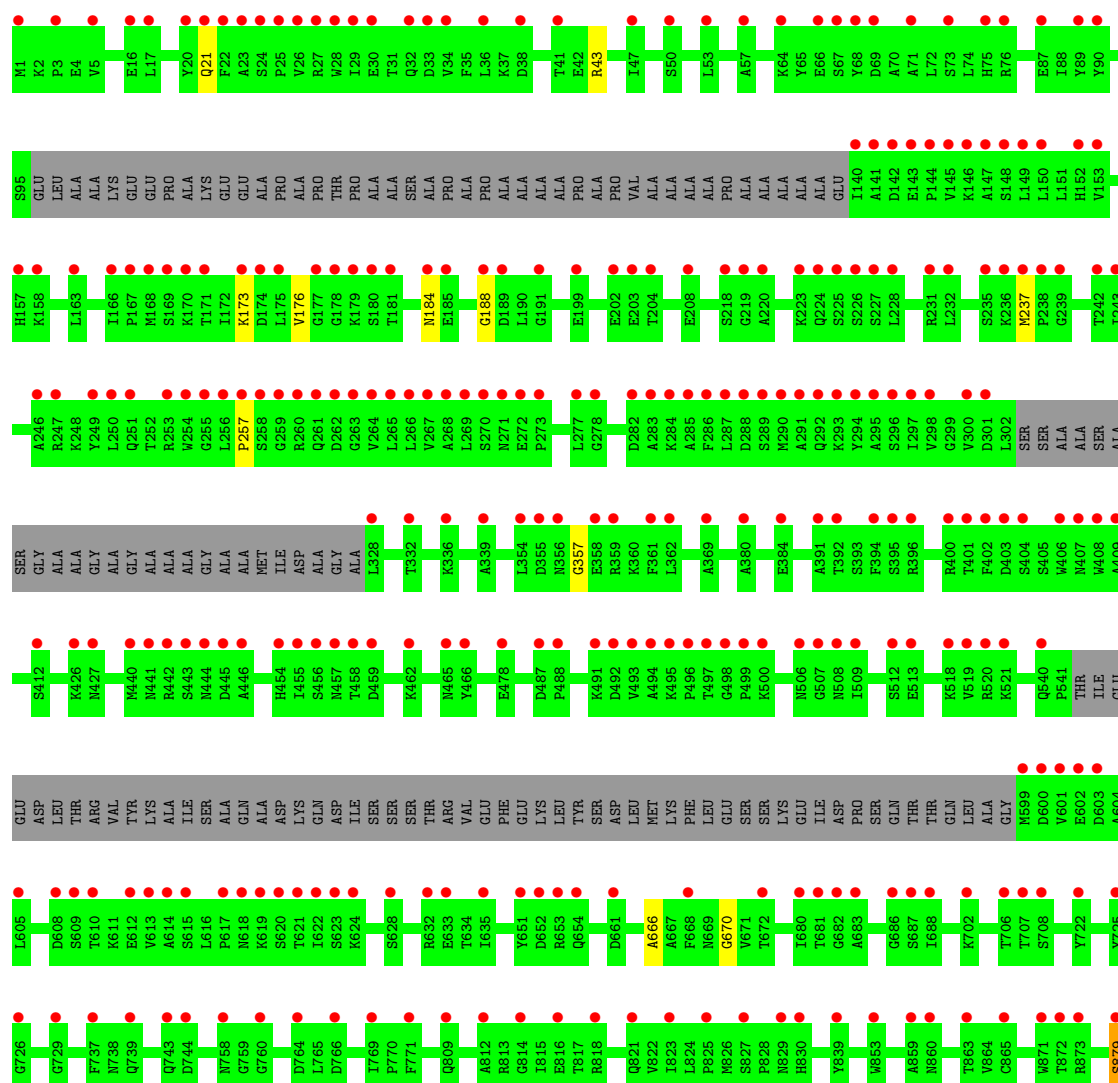
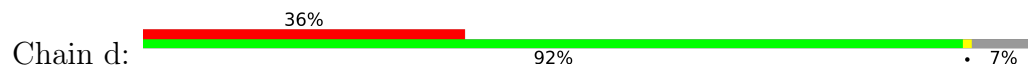
- Molecule 1: Fatty acid synthase subunit alpha

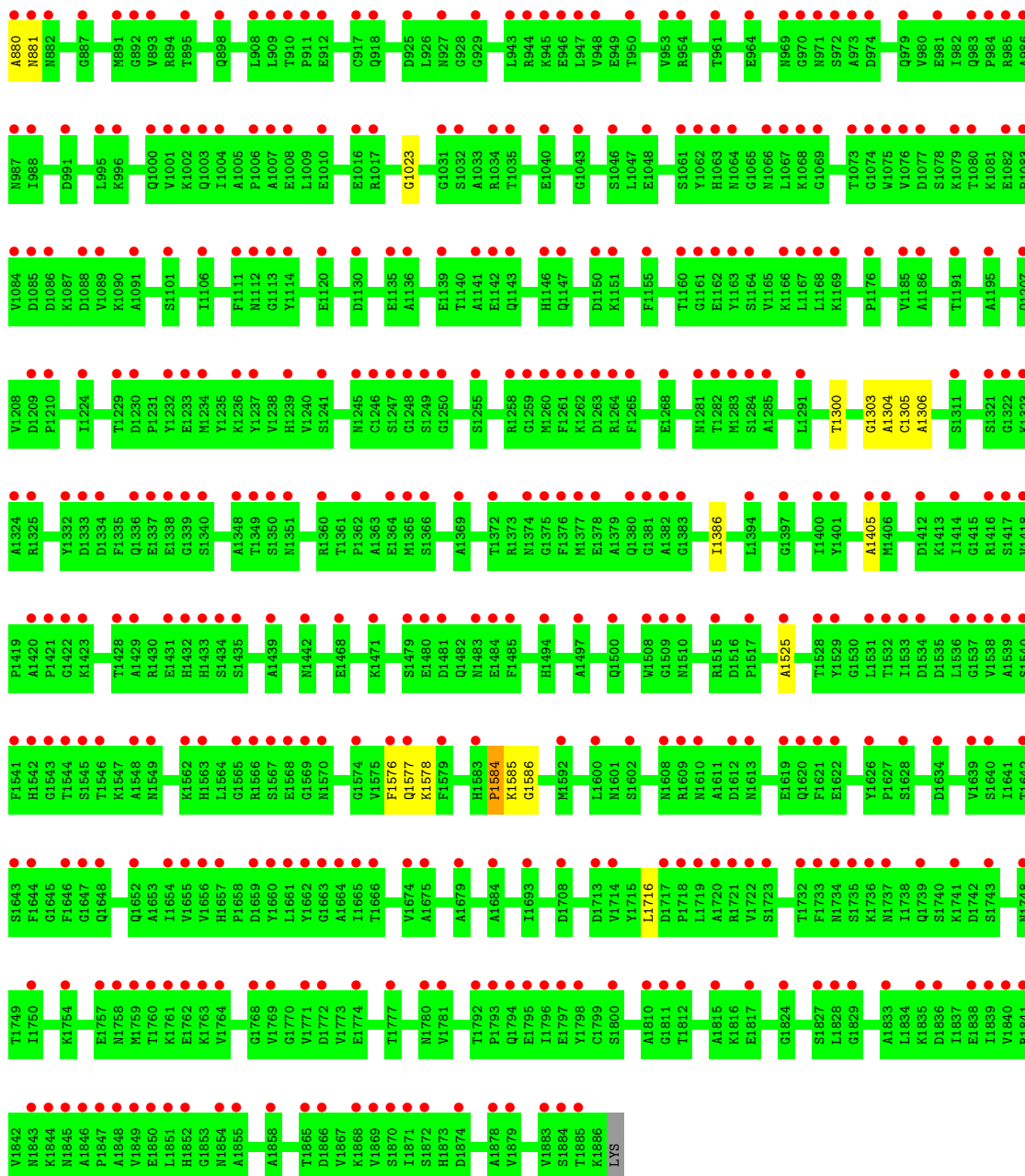


S1434	S1435	V1436	K1437	Y1438	A1439	N1442	A1457	Q1458	A1474	E1475	S1479	E1480	D1481	N1483	E1492	H1495	E1496	A1497	E1498	S1499	A1503	A1504	Q1507	W1508	G1509	D1510	I1511	F1512	Y1513	K1514	R1515	D1516	P1517	R1518	A1525	T1528	Y1529	G1530	D1534	S1540	F1541	H1542	G1543	T1544	A1548										
S1321	G1322	G1331	Y1332	D1334	D1333	F1335	Q1336	E1337	E1338	E1342	A1348	T1349	S1350	N1351	G1359	R1360	T1361	P1362	A1363	E1364	A1369	T1372	W1377	E1378	A1379	Q1380	G1383	I1384	Q1385	T1386	P1399	I1400	Y1401	A1405	M1406	A1410	T1411	D1412	R1416	P1421	F1441	H1442	A1429	R1430	E1431	H1432	H1433								
D1182	V1185	W1194	S1201	Q1207	V1208	D1209	P1210	F1223	I1228	T1229	P1230	D1231	Y1232	E1233	M1234	V1238	H1239	I1240	S1241	S1247	G1248	S1249	G1250	M1251	S1255	W1272	D1273	Q1276	E1277	W1281	T1282	M1283	N1288	S1294	K1299	P1300	P1301	F1302	G1303	A1304	C1305	A1306													
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H830	G831	T832	L930	Q931	D836	G837	W838	Y839	F850	E856	S857	W858	A859	T863	V864	C865	G866	G870	W871	T872	R873	G874	T875	G876	S879	A880	N881	N882	E886	M891	G892	T895	K899	E900	M901	N904	L908	L909	T910	P911	Q917	Q918	V922	N923	A924	D925	L926								
LEU	GLU	SER	SER	LYS	GLU	ILE	ASP	PRO	SER	GLN	THR	GLN	LEU	ALA	GLY	M599	D600	V601	E602	D603	A604	L605	D606	K607	D608	S609	T610	K611	E612	V613	A614	S615	L616	P617	H618	K619	S620	T621	I622	S627	S628	T629	E633	T634	H639	L640	R641	Q621	V622	L623	S624	T625	P626	R627	L628
P515	R516	E517	K518	V519	R520	K521	L522	S523	Q524	A530	L531	G532	G533	P534	Q540	P541	THR	ILE	GLU	GLU	ASP	LEU	THR	ARG	VAL	TYR	LYS	ALA	ILE	SER	GLN	ALA	GLN	ASP	LYS	GLN	ASP	ILE	SER	SER	THR	ARG	VAL	GLU	PHE	GLU	LYS	LEU	TYR	SER	ASP	LEU	MET	LYS	PHE
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A281	D282	A283	K284	L287	D288	S289	M290	A291	Q292	K293	D376	K293	Y294	A295	S296	I297	V298	V300	D301	L302	SER	ALA	ALA	GLY	ALA	ALA	ALA	ALA	ALA	ALA	ILE	ASP	ALA	GLY	ALA	L328	K336	A347	R348	L354	D355	N356	G357	E358	R359	K360									
ALA	LYS	GLU	ALA	PRO	ALA	PRO	THR	PRO	ALA	ALA	ALA	PRO	ALA	ALA	ALA	PRO	VAL	ALA	ALA	ALA	ALA	ALA	ALA	ALA	GLU	T140	A141	D142	E143	S148	I149	L150	L151	H152	H157	K158	L163	P167	M168	S169	K173	D174	G177												
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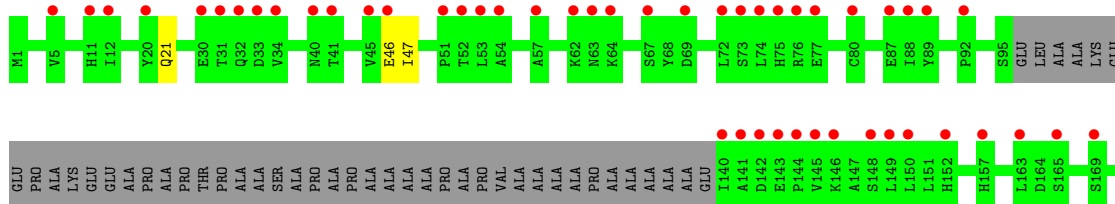
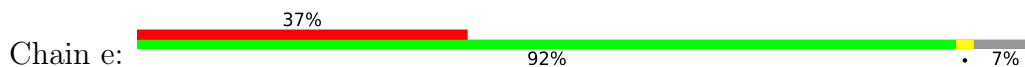


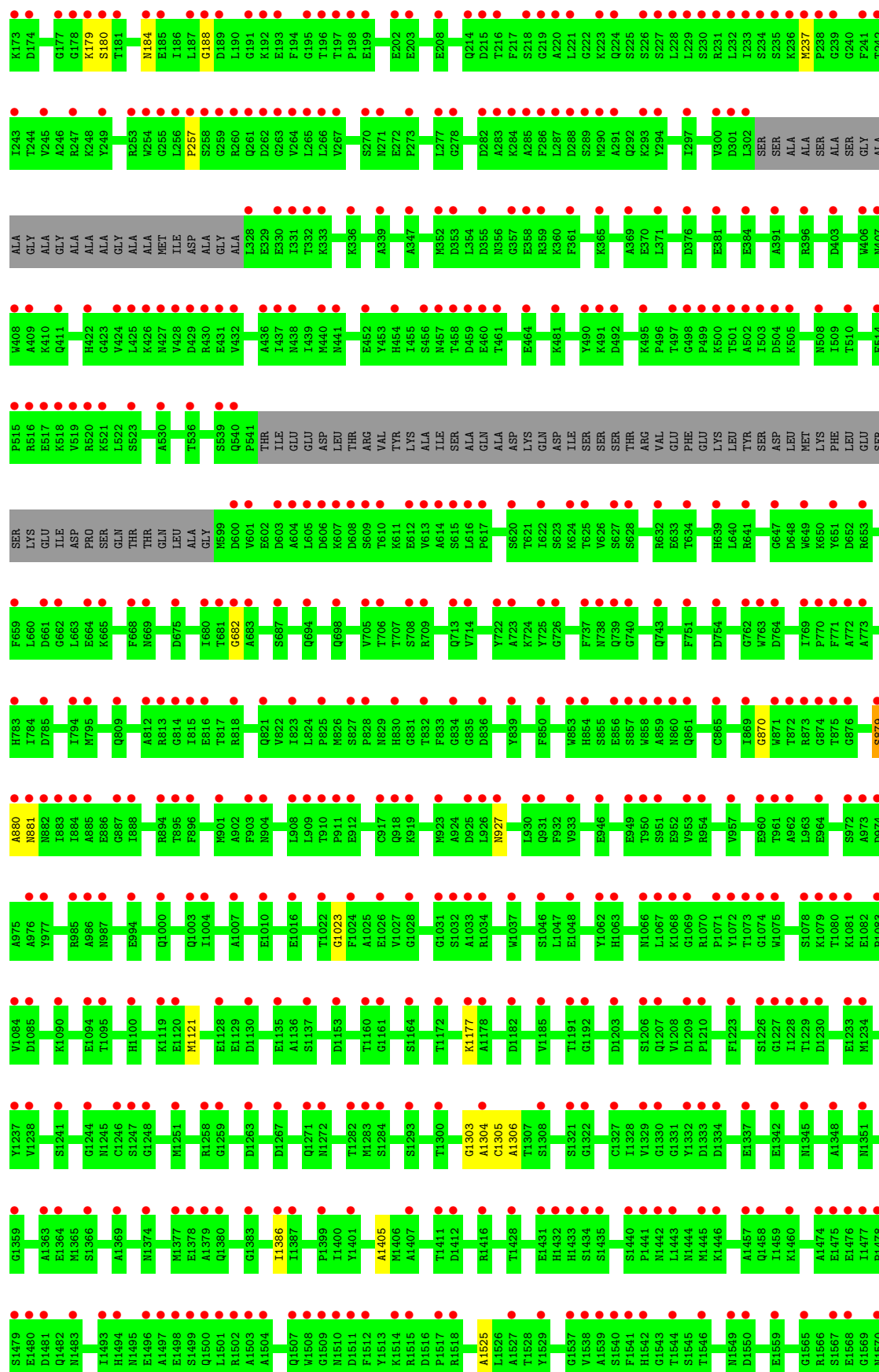
• Molecule 1: Fatty acid synthase subunit alpha

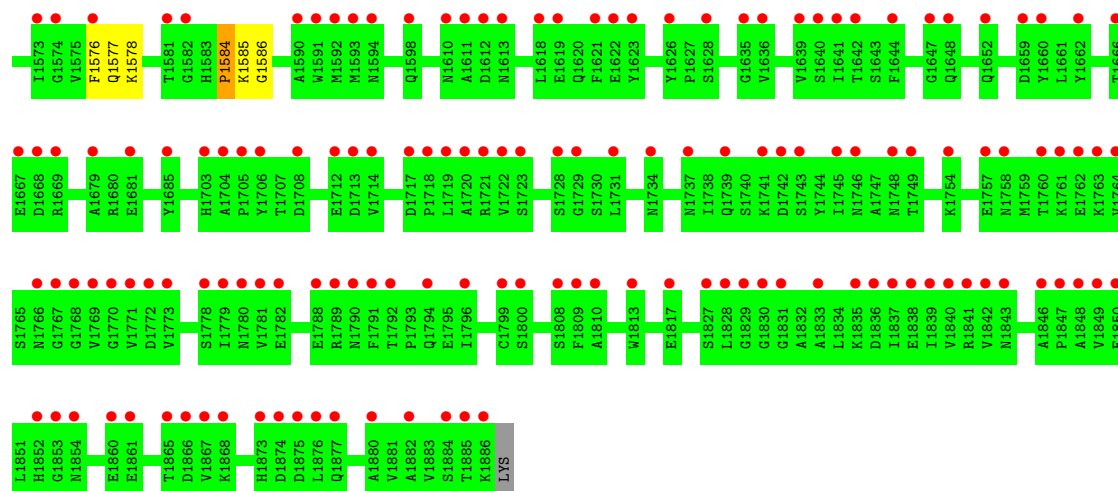




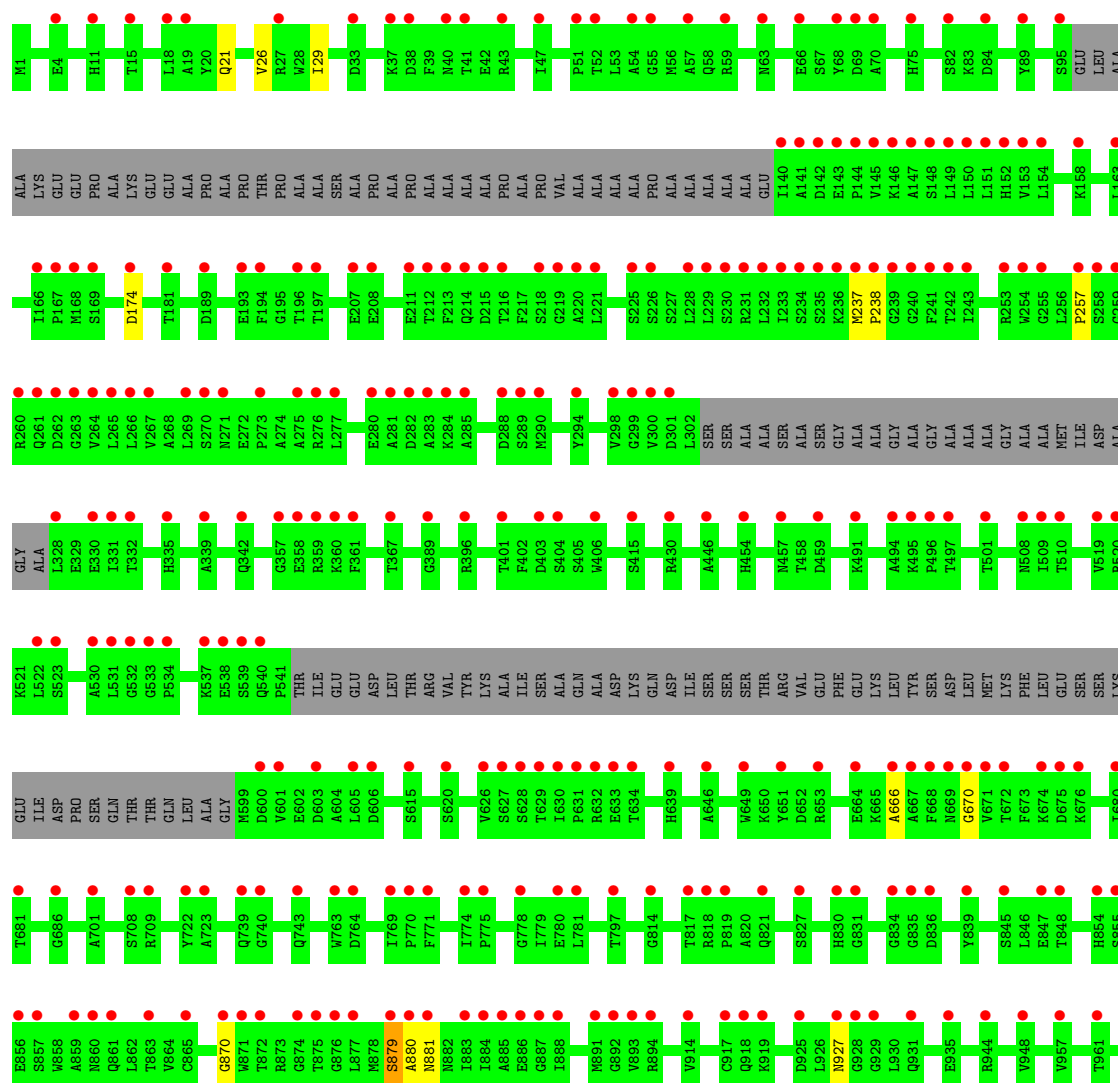
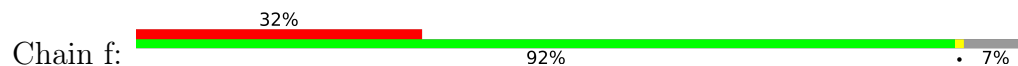
● Molecule 1: Fatty acid synthase subunit alpha

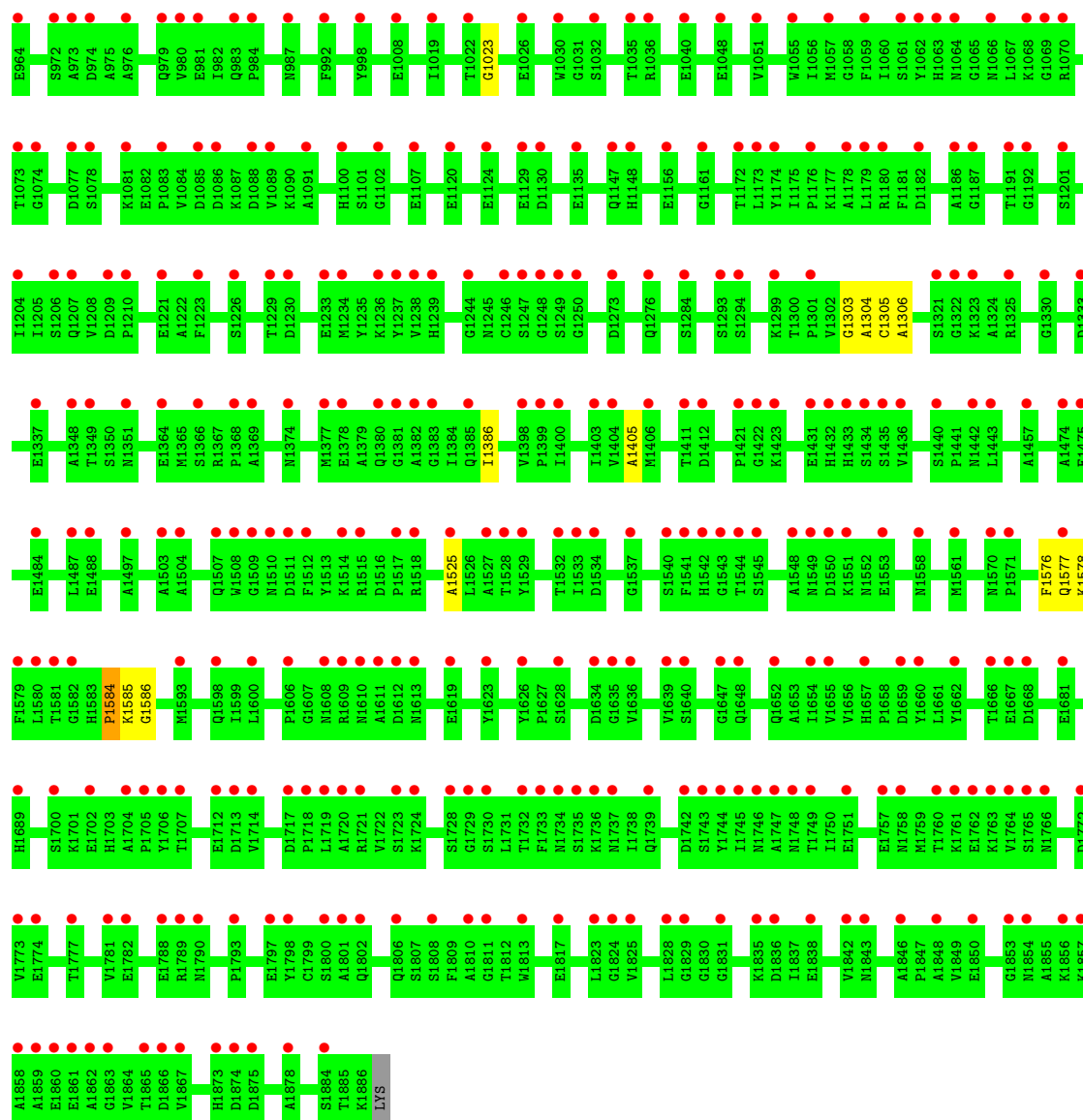




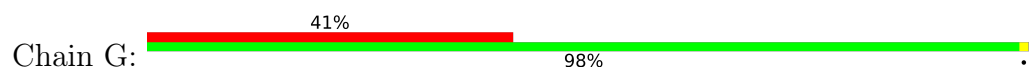


• Molecule 1: Fatty acid synthase subunit alpha

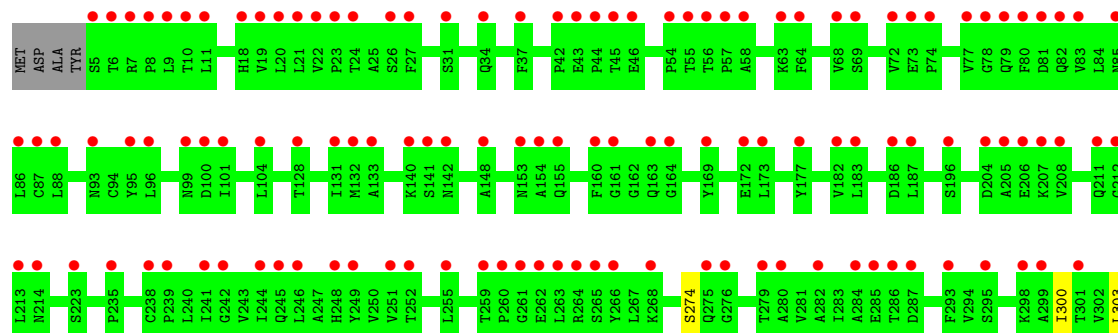




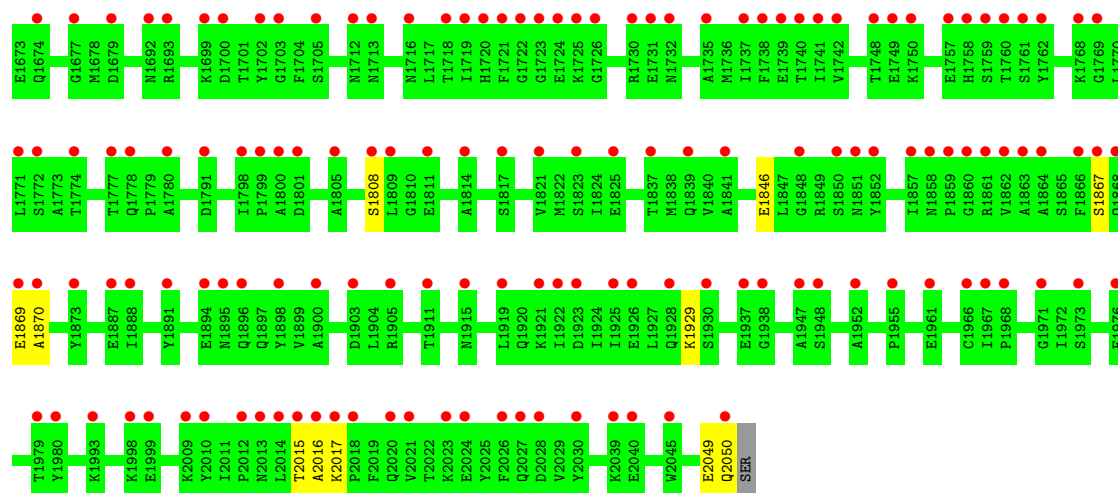
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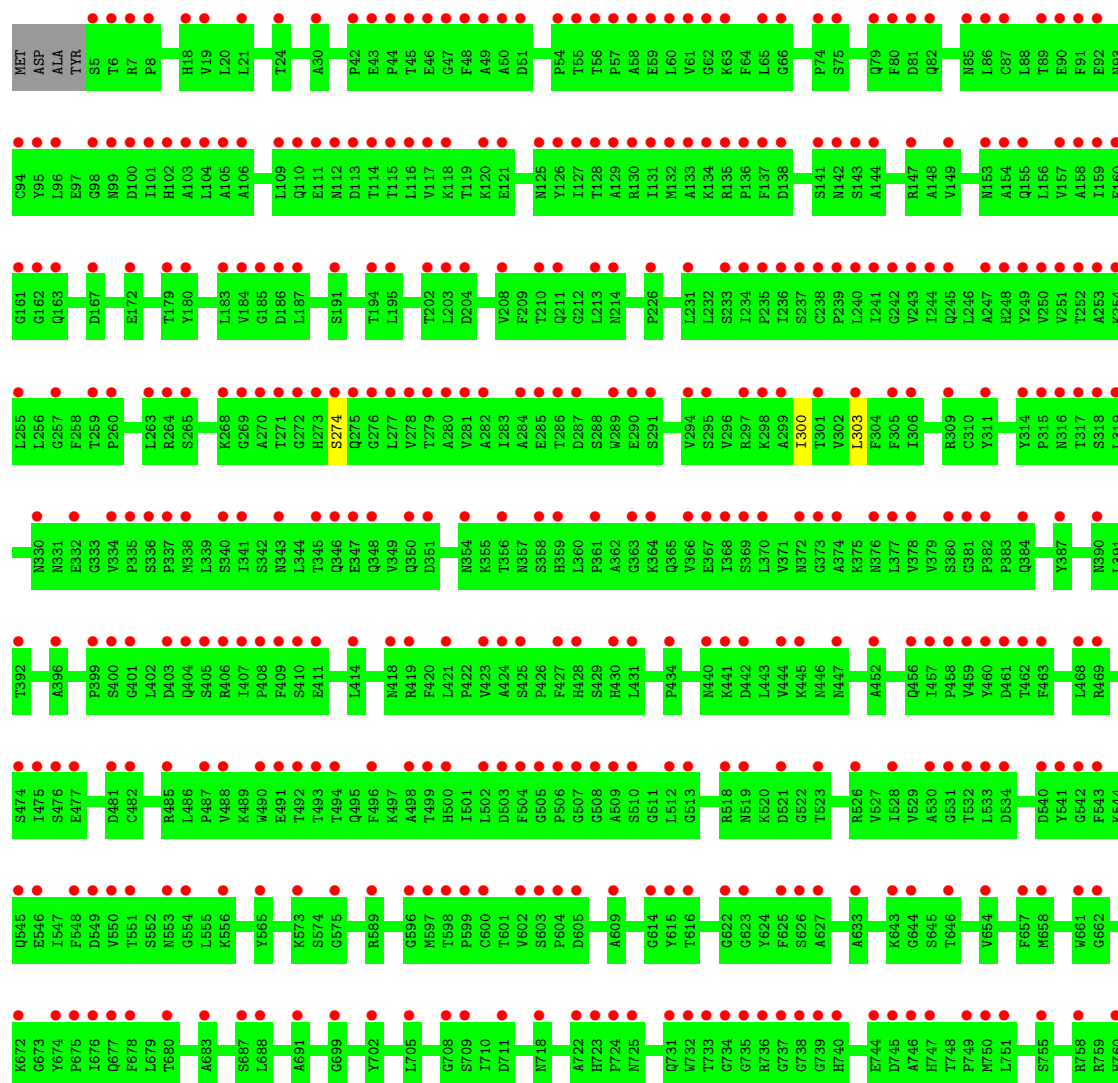
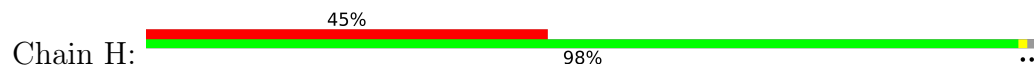
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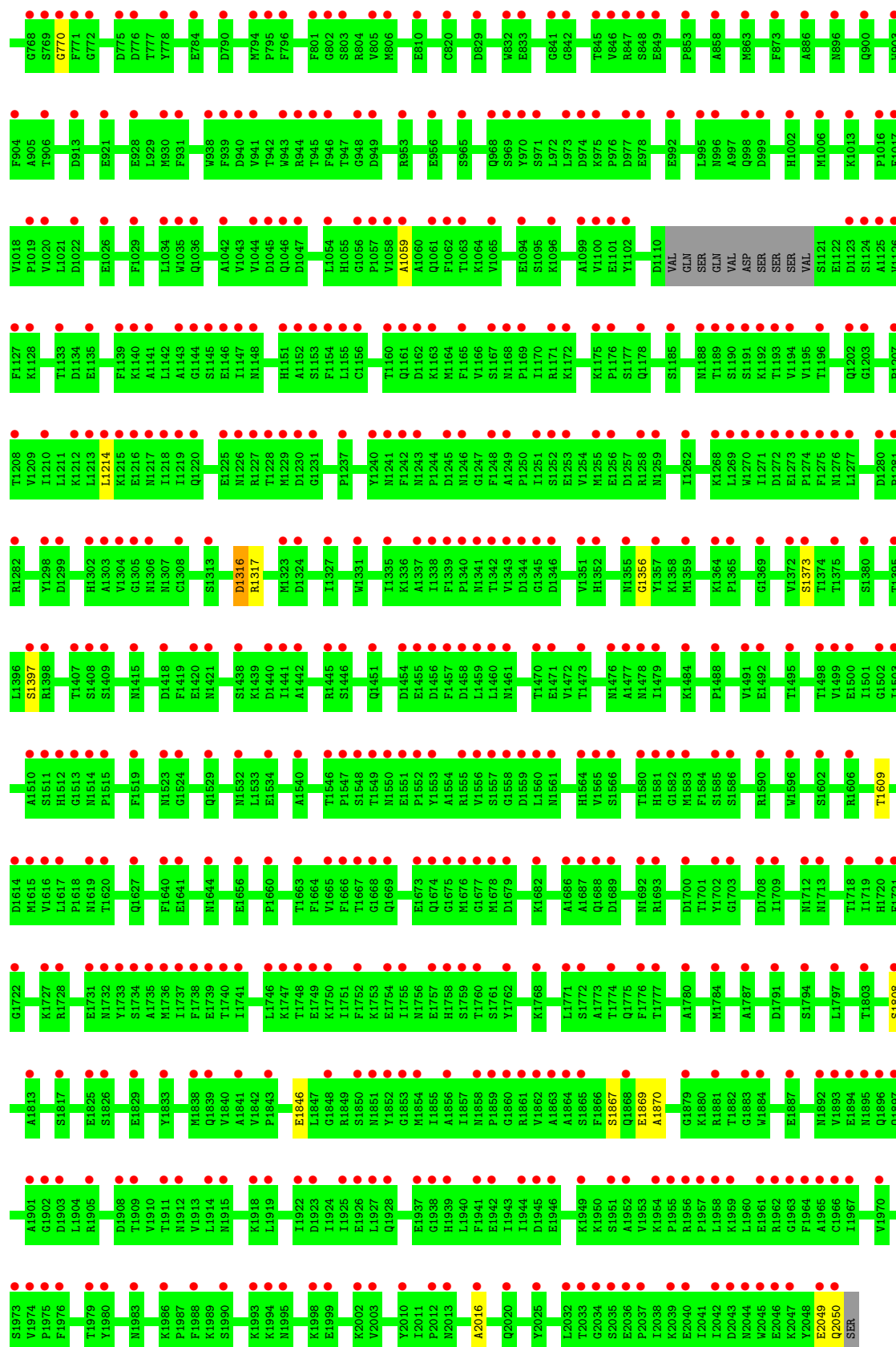




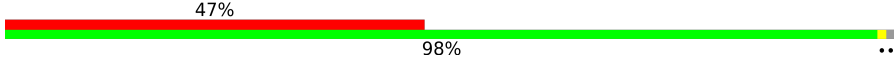


● Molecule 2: Fatty acid synthase subunit beta

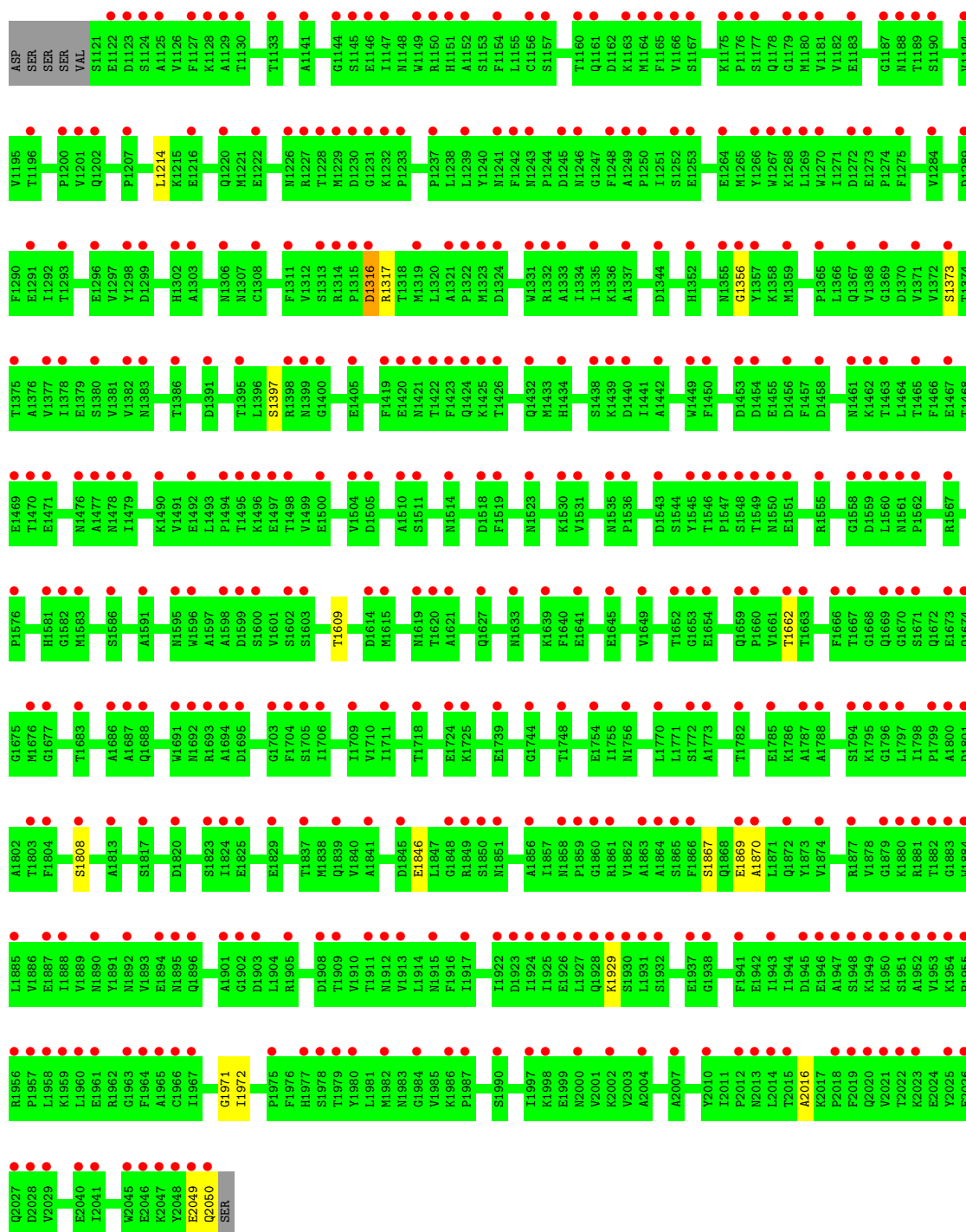




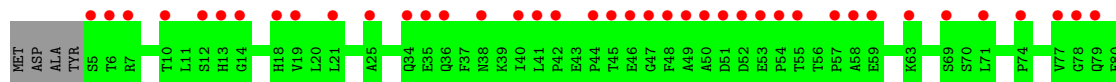
• Molecule 2: Fatty acid synthase subunit beta

Chain I: 

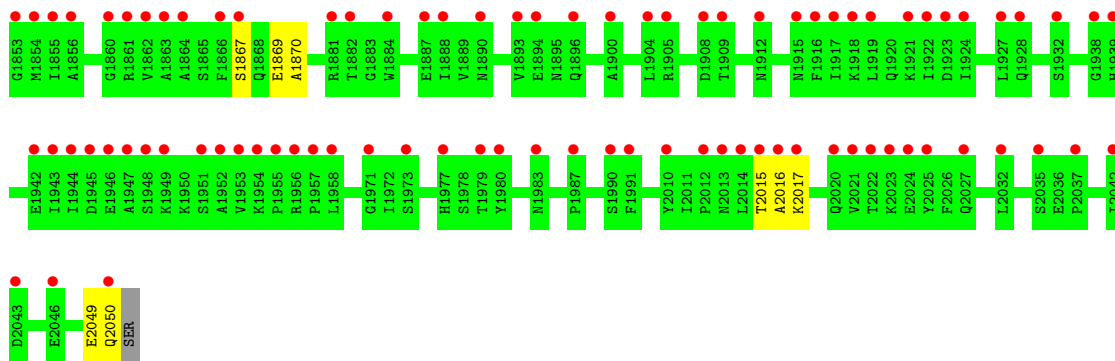
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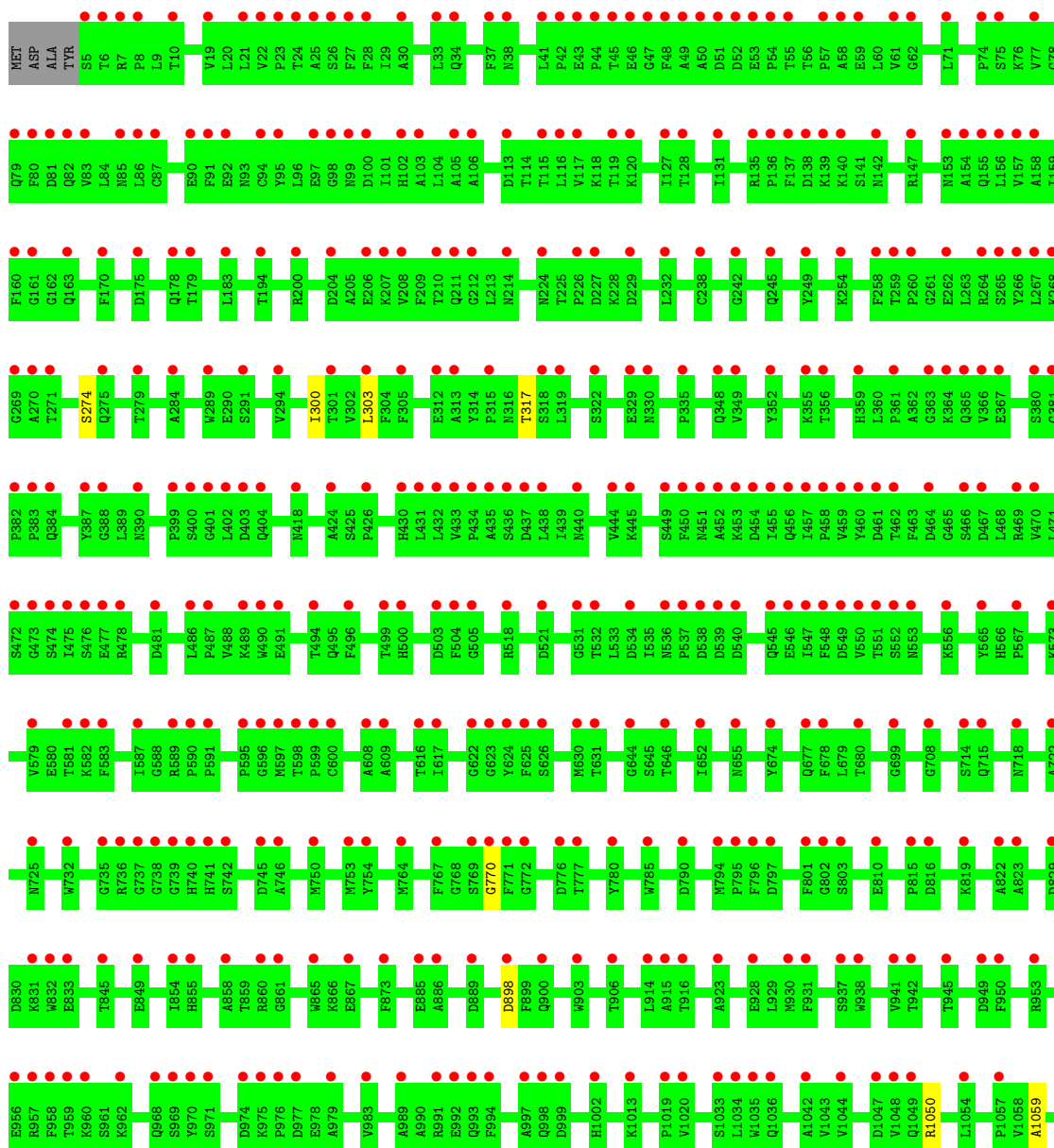
• Molecule 2: Fatty acid synthase subunit beta



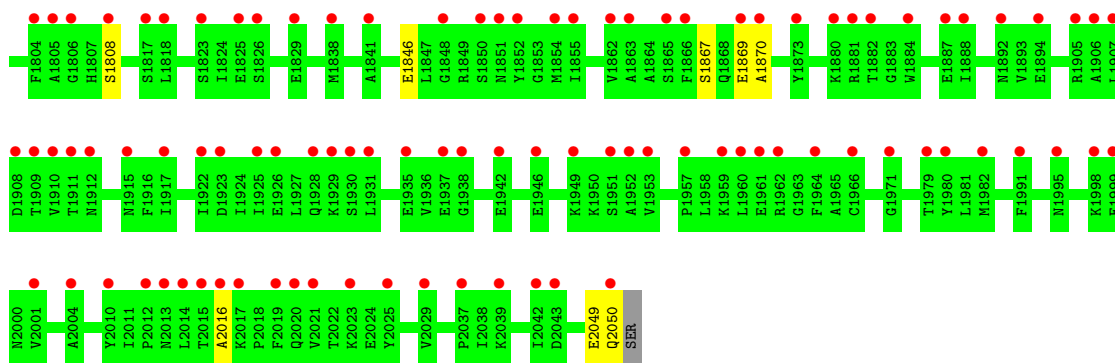
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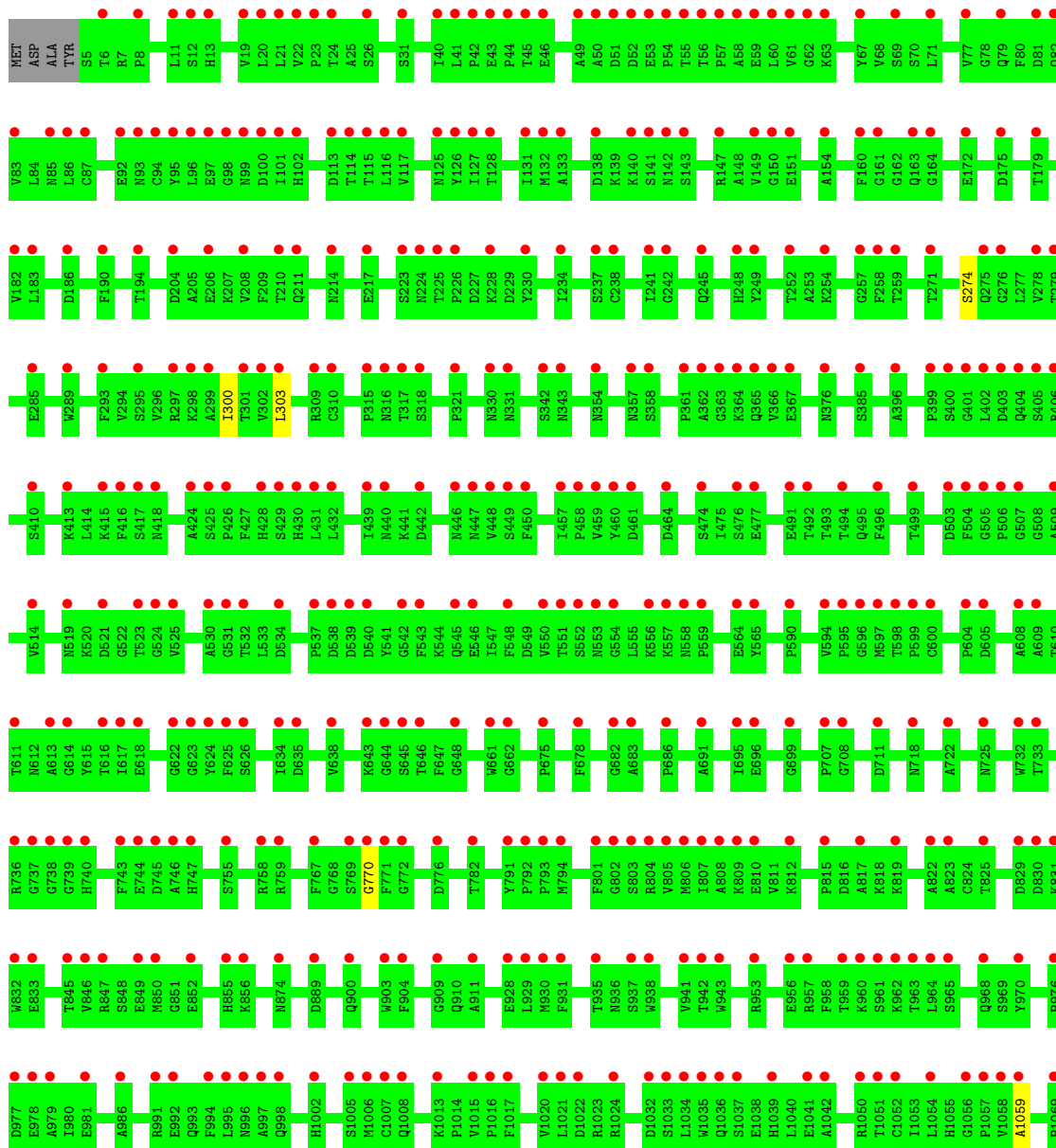
• Molecule 2: Fatty acid synthase subunit beta

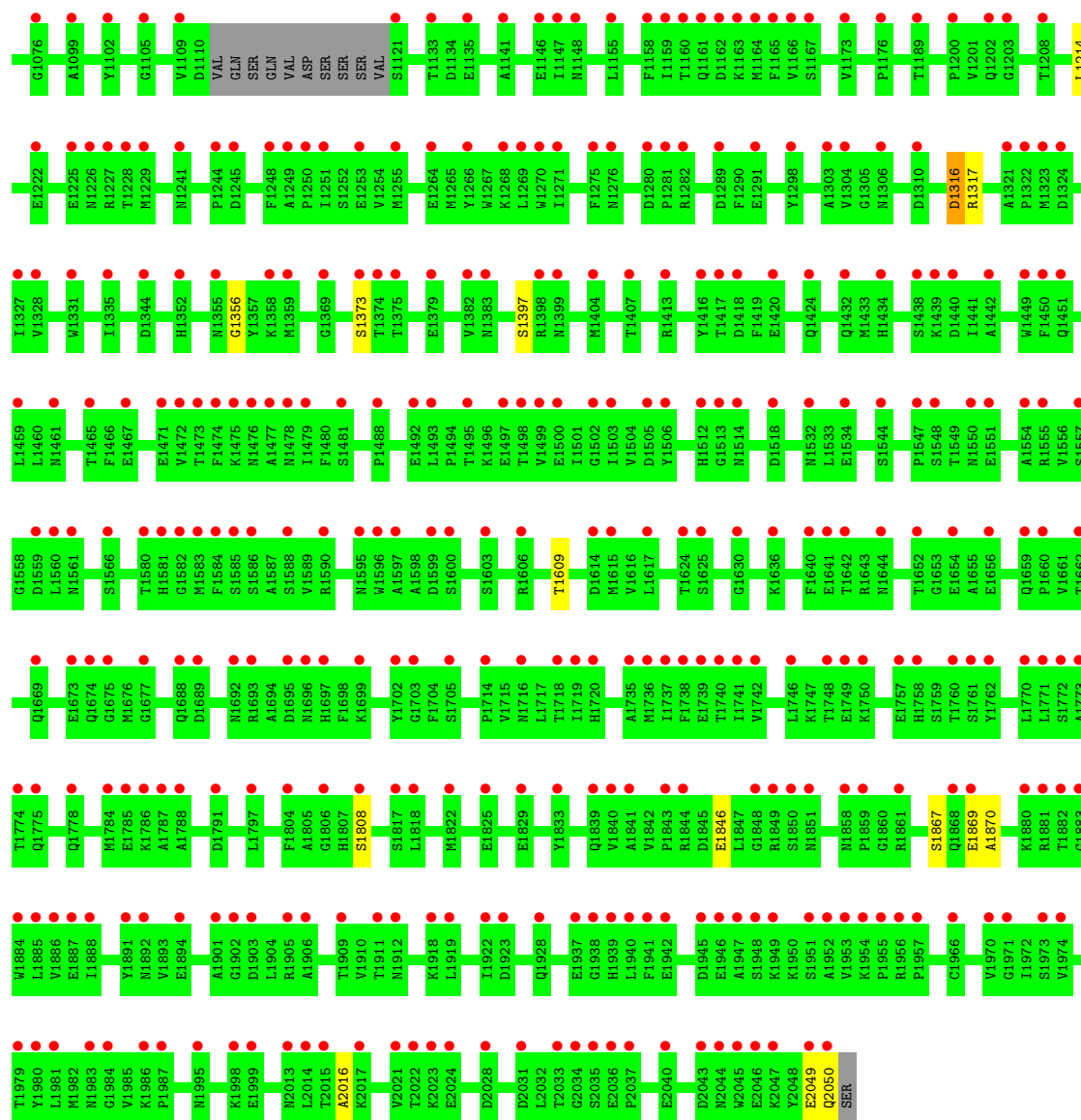


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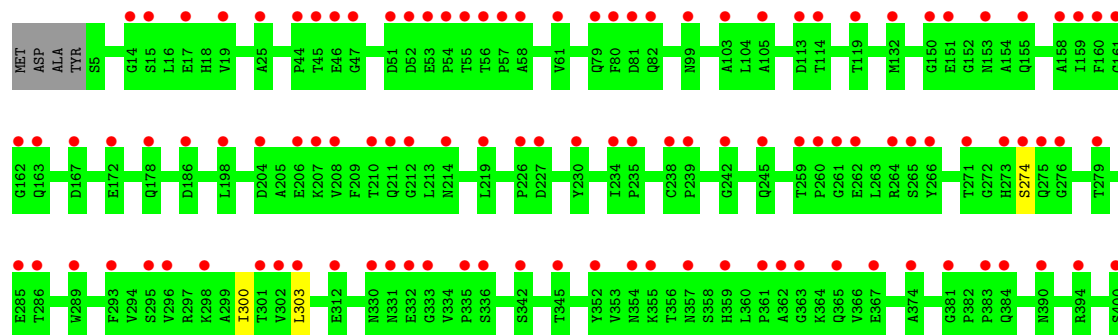


• Molecule 2: Fatty acid synthase subunit beta



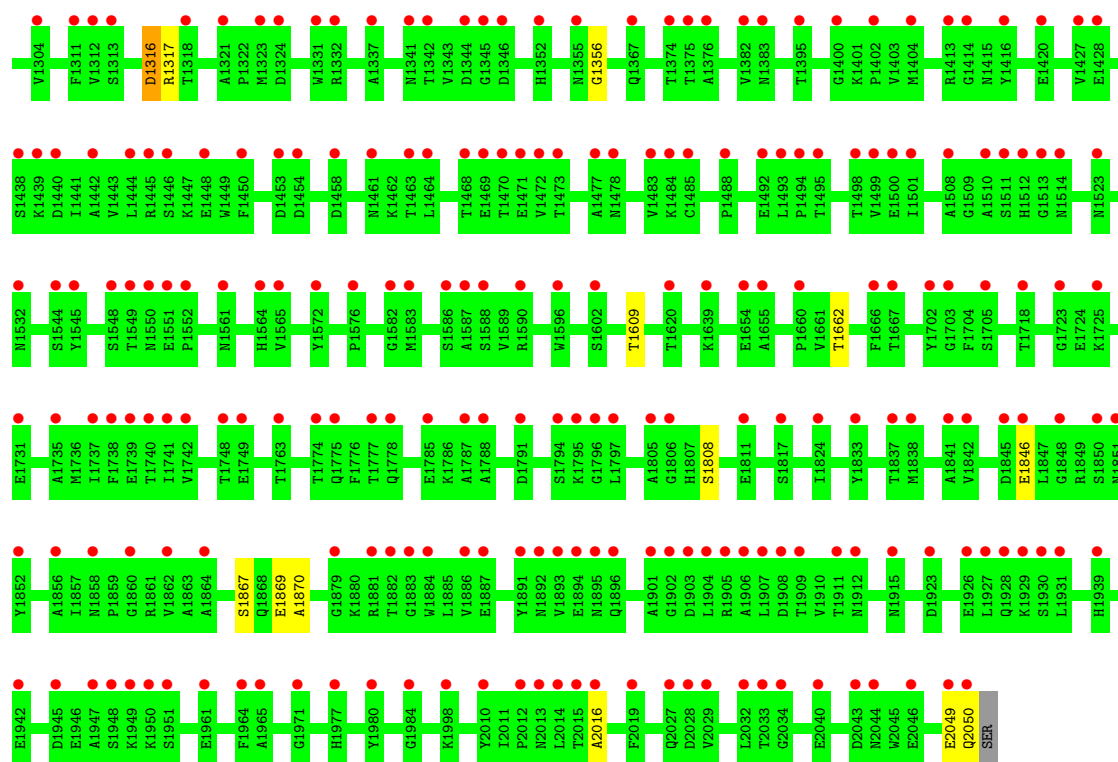


● Molecule 2: Fatty acid synthase subunit beta

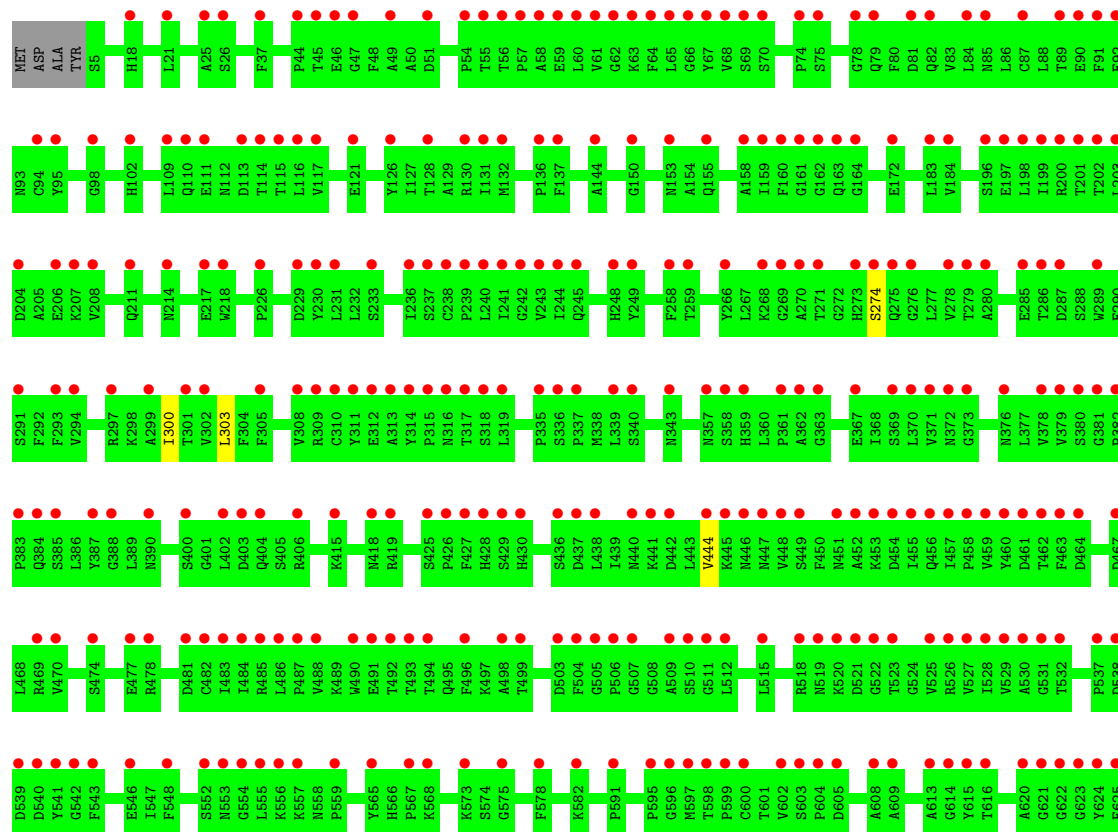
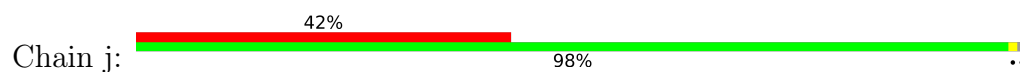




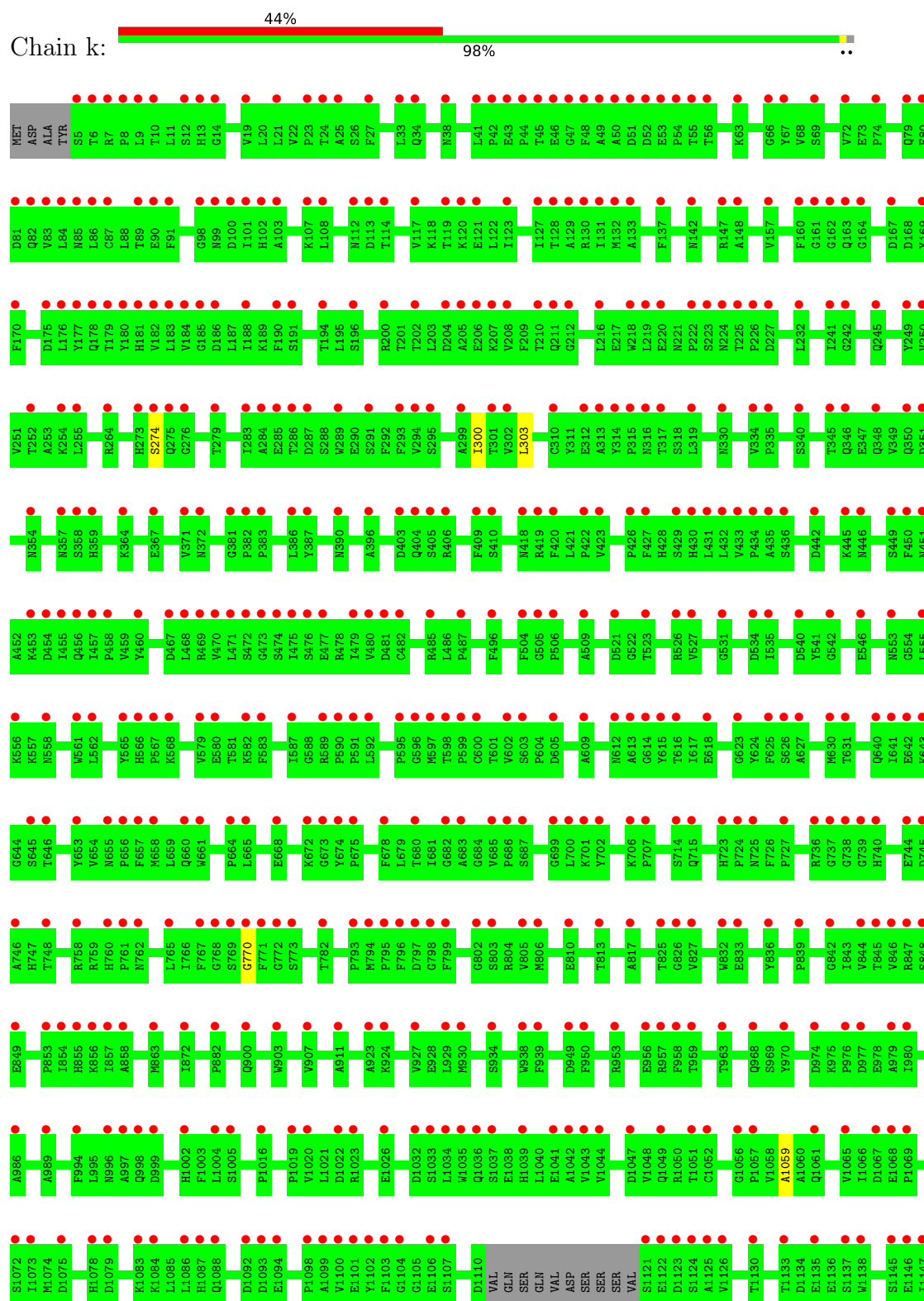
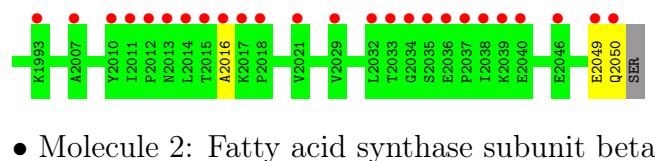


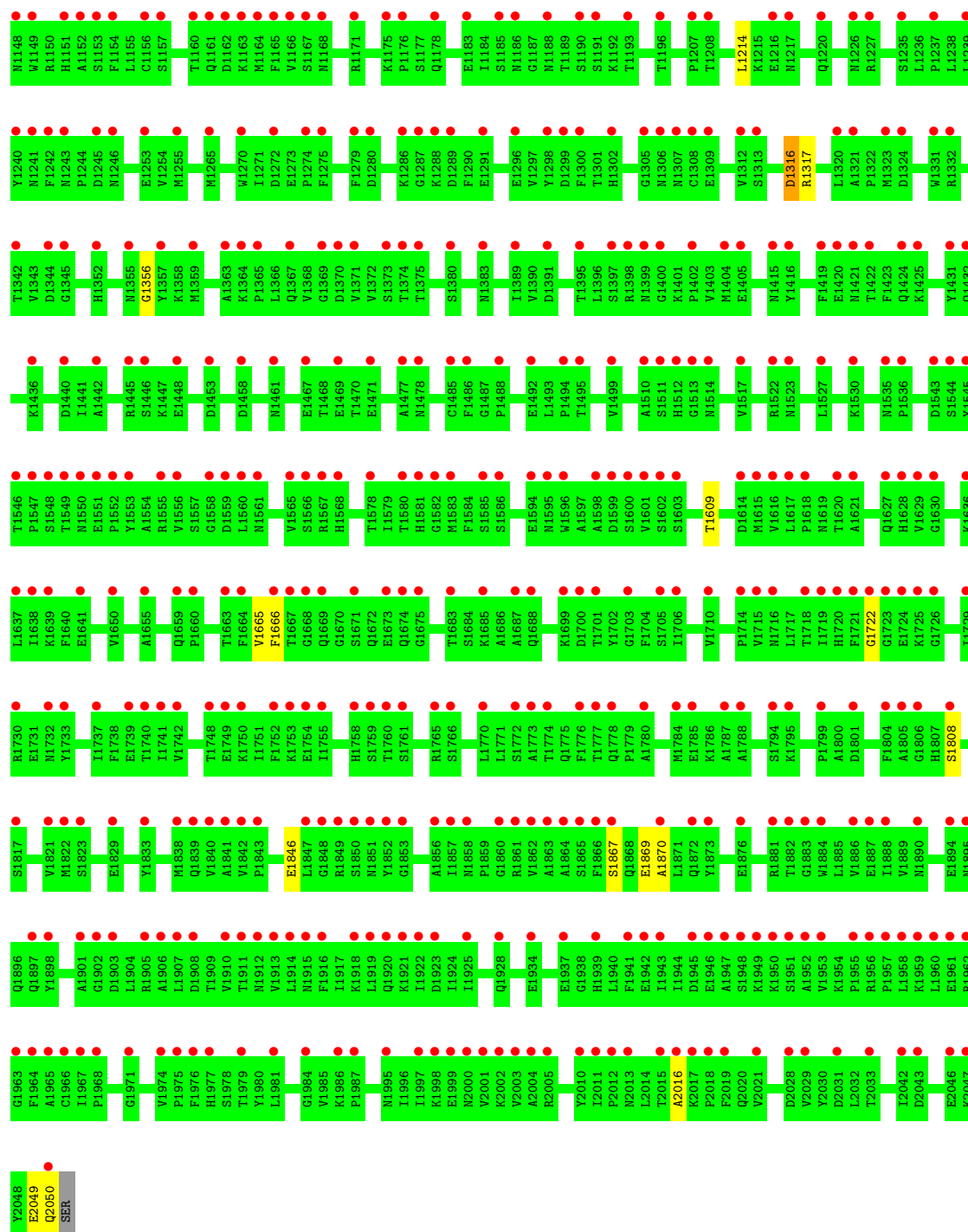


• Molecule 2: Fatty acid synthase subunit beta



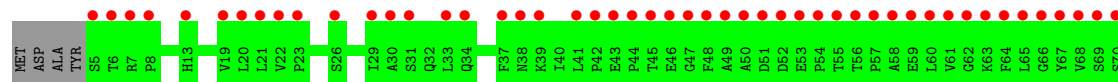
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V1913	S1817	T1667	G1558	F1419	R1317	E1225	D1123	V1043	D949	W832	G734	I634
L1914	E1673	E1673	D1559	N1420	T1318	N1226	S1124	V1044	P950	E833	G736	D635
N1915	Q1674	Q1674	L1560	E1421	M1319	T1227	A1125	P950	L951	Q834	G737	I634
F1916	E1825	Q1675	P1561	L1422	M1320	T1228	E1125	R952	R952	T835	G738	D635
V1930	V1830	M1676	T1563	F1423	A1321	G1231	K1128	V1048	R953	H836	G739	K643
L1919	G1677	G1677	H1564	Q1424	P1322	G1231	A1129	Q1049	H740		H740	E642
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K1921	L1680		S1566	T1426	D1324			R1050				T646
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D1923	Y1681		R1567	L1236	D1134			C1052	D745			G648
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	E1842		H1569	K1439	R1332			H1054	H747			
	P1843			D1440				H1055	T748			
	R1844			D1440				G1056				
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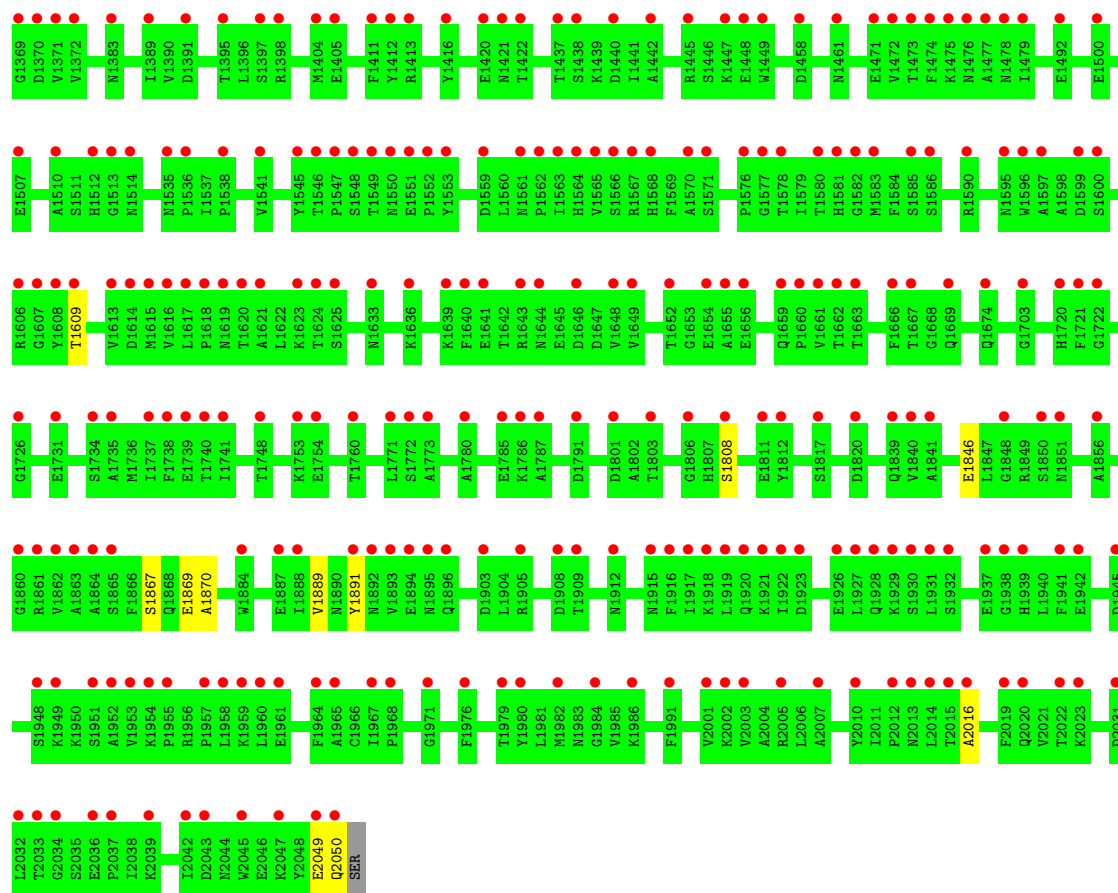


• Molecule 2: Fatty acid synthase subunit beta

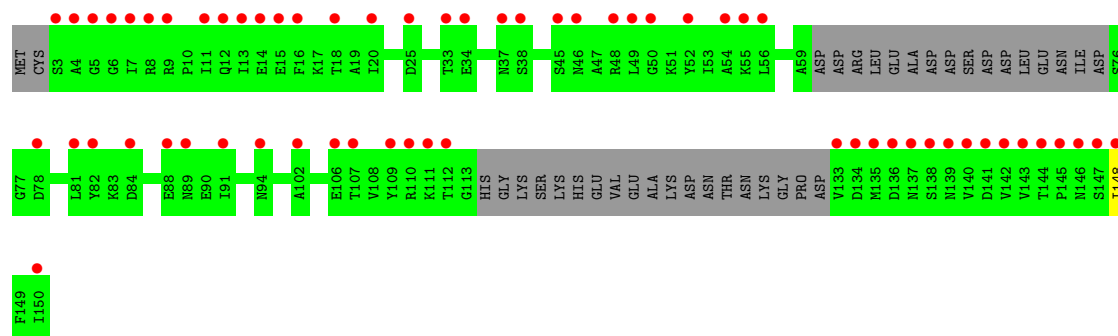
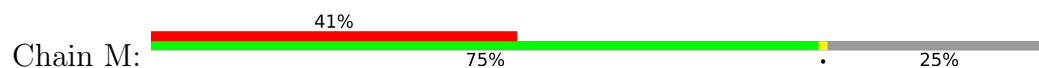
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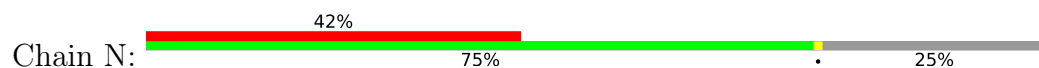
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R135	P136	F137	K140	S141	N142	S143	A144	L145	A148	V149	G150	N153	C154	D155	A158	I159	F160	G161	Q162	Q163	G164	N165	T166	D167	L168	Y169	F170	R174	Y177	Q178	T179	Y180	H181	I182	L183	G185	D186	L187	I188	F189	K189	S191	A192	E193	S196	E197	K200	D204	A205								
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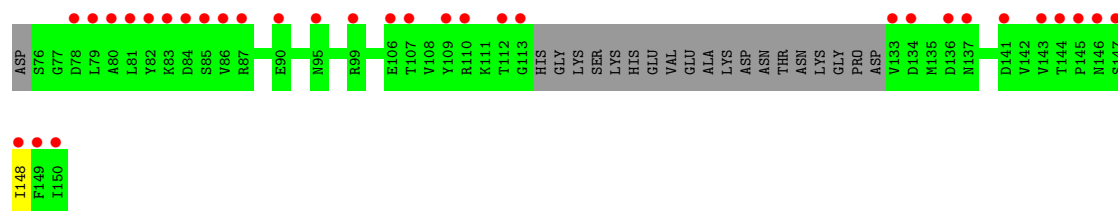


• Molecule 3: Translation machinery-associated protein 17

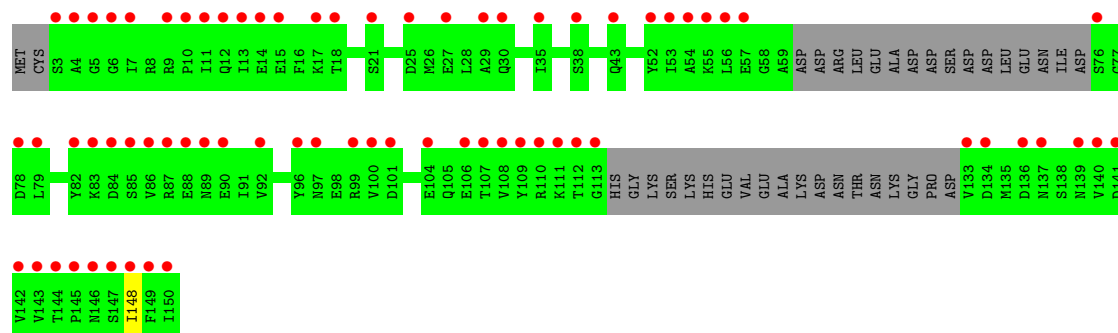
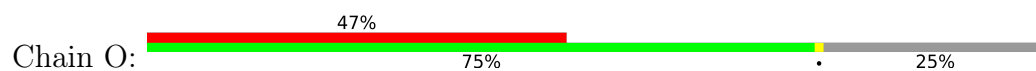


• Molecule 3: Translation machinery-associated protein 17

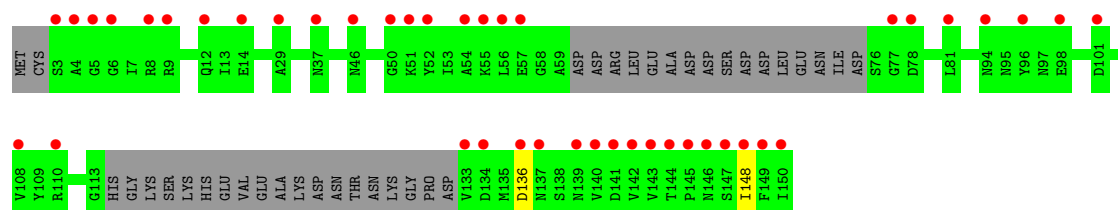
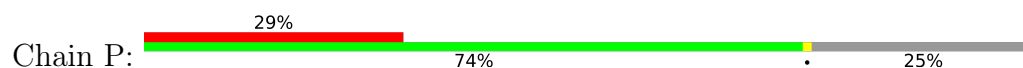




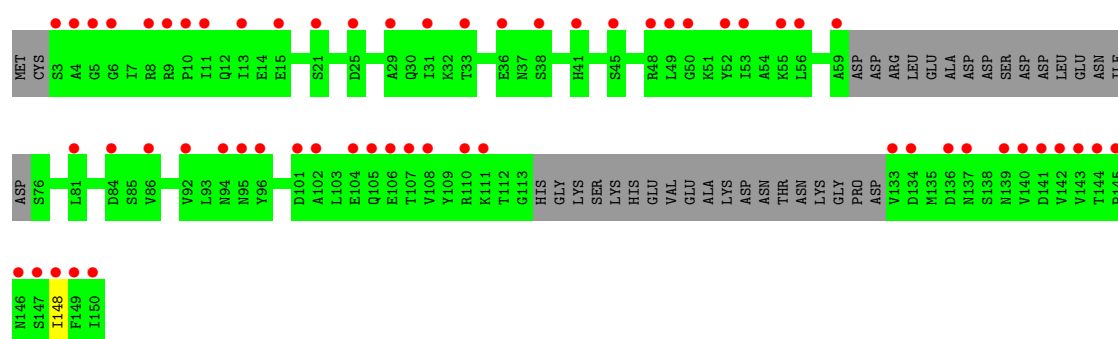
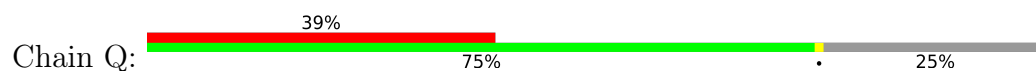
• Molecule 3: Translation machinery-associated protein 17



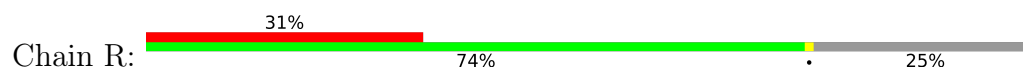
• Molecule 3: Translation machinery-associated protein 17

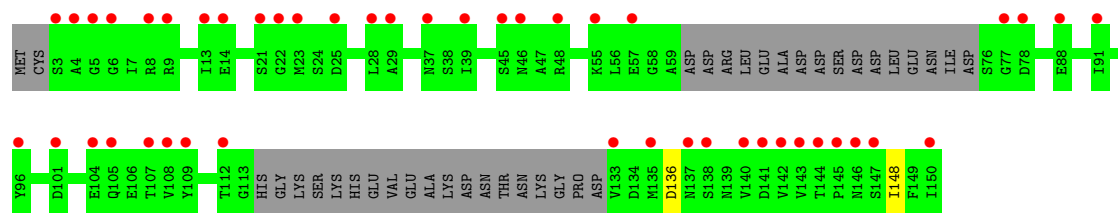


• Molecule 3: Translation machinery-associated protein 17

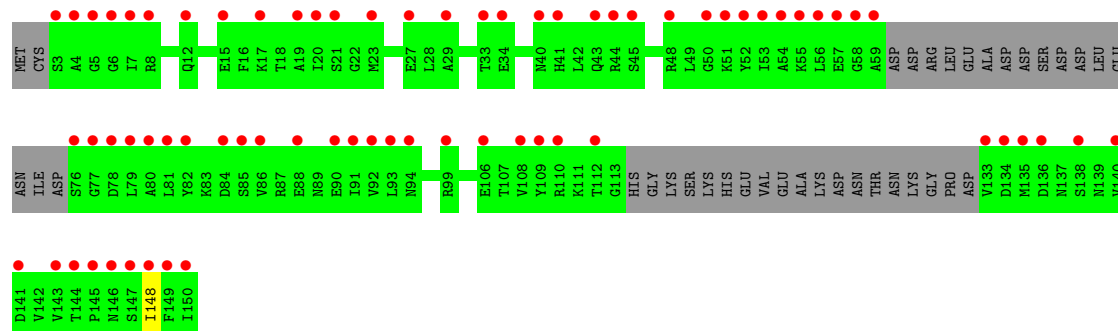
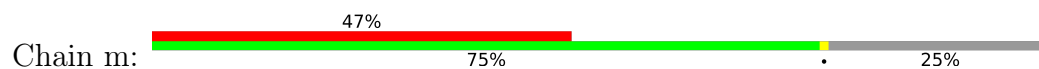


• Molecule 3: Translation machinery-associated protein 17

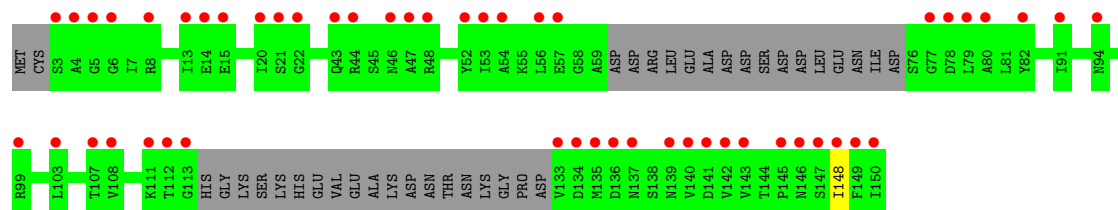




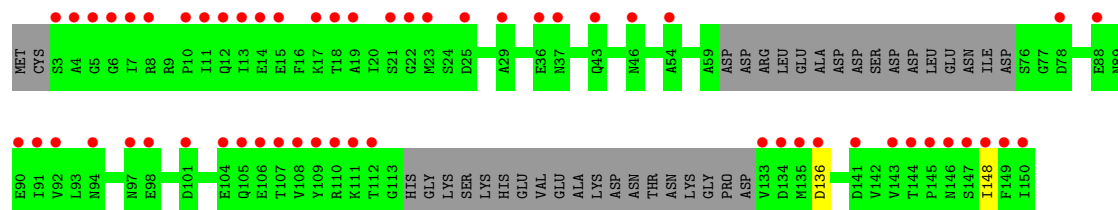
• Molecule 3: Translation machinery-associated protein 17



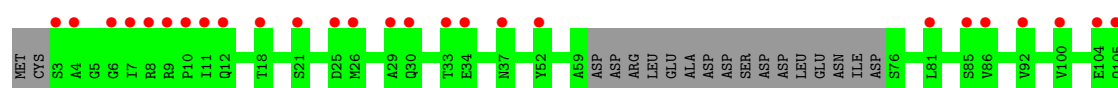
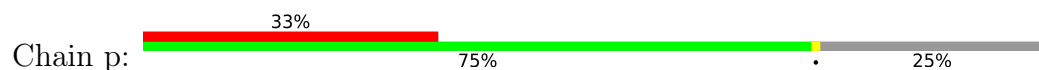
• Molecule 3: Translation machinery-associated protein 17

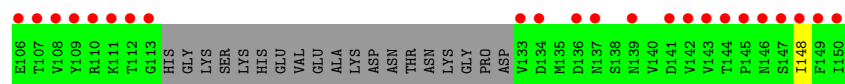


• Molecule 3: Translation machinery-associated protein 17

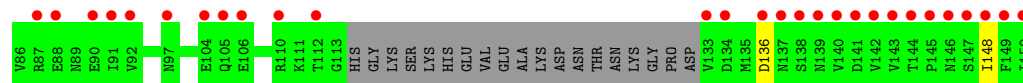
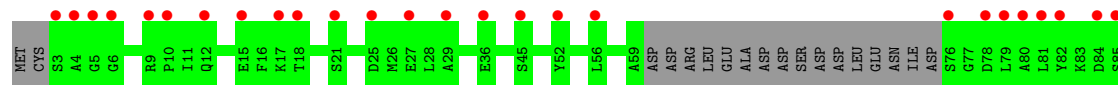
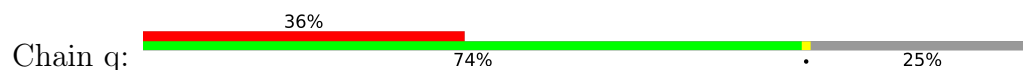


• Molecule 3: Translation machinery-associated protein 17

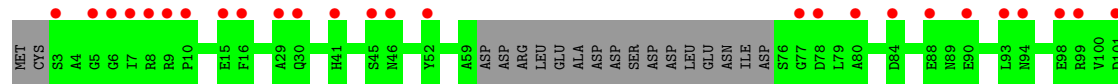
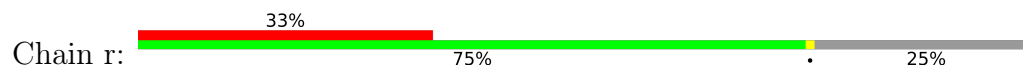




• Molecule 3: Translation machinery-associated protein 17



• Molecule 3: Translation machinery-associated protein 17



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	234.92Å 430.31Å 422.61Å 90.00° 97.01° 90.00°	Depositor
Resolution (Å)	192.50 – 4.60 192.50 – 4.60	Depositor EDS
% Data completeness (in resolution range)	99.6 (192.50-4.60) 99.6 (192.50-4.60)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.28 (at 4.66Å)	Xtriage
Refinement program	REFMAC 5.8.0238	Depositor
R, R_{free}	0.252 , 0.310 0.328 , 0.345	Depositor DCC
R_{free} test set	22715 reflections (4.94%)	wwPDB-VP
Wilson B-factor (Å ²)	218.0	Xtriage
Anisotropy	0.044	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.42 , 999.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.40$, $\langle L^2 \rangle = 0.23$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.85	EDS
Total number of atoms	231252	wwPDB-VP
Average B, all atoms (Å ²)	256.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.77% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality ⓘ

5.1 Standard geometry ⓘ

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	1.22	1/8663 (0.0%)	1.73	6/12042 (0.0%)
1	B	1.23	1/8663 (0.0%)	1.73	6/12042 (0.0%)
1	C	1.23	1/8663 (0.0%)	1.73	6/12042 (0.0%)
1	D	1.22	0/8663	1.73	6/12042 (0.0%)
1	E	1.23	1/8663 (0.0%)	1.73	8/12042 (0.1%)
1	F	1.23	0/8663	1.73	6/12042 (0.0%)
1	a	1.23	0/8663	1.74	10/12042 (0.1%)
1	b	1.23	1/8663 (0.0%)	1.74	7/12042 (0.1%)
1	c	1.23	0/8663	1.74	6/12042 (0.0%)
1	d	1.23	0/8663	1.74	4/12042 (0.0%)
1	e	1.23	1/8663 (0.0%)	1.74	4/12042 (0.0%)
1	f	1.22	0/8663	1.73	7/12042 (0.1%)
2	G	1.25	0/10042	1.69	0/13972
2	H	1.25	0/10042	1.69	0/13972
2	I	1.25	0/10041	1.70	0/13969
2	J	1.24	0/10042	1.69	0/13972
2	K	1.24	0/10042	1.69	0/13972
2	L	1.24	0/10042	1.69	0/13972
2	g	1.24	0/10042	1.70	0/13972
2	h	1.24	0/10042	1.69	0/13972
2	i	1.25	0/10042	1.69	1/13972 (0.0%)
2	j	1.25	0/10042	1.69	0/13972
2	k	1.25	0/10042	1.69	0/13972
2	l	1.25	0/10042	1.69	0/13972
3	M	1.28	0/555	1.83	0/768
3	N	1.28	0/555	1.83	0/768
3	O	1.29	0/555	1.83	0/768
3	P	1.29	0/555	1.83	0/768
3	Q	1.28	0/555	1.83	0/768
3	R	1.29	0/555	1.83	0/768
3	m	1.28	0/555	1.82	0/768
3	n	1.28	0/555	1.83	0/768
3	o	1.28	0/555	1.83	0/768
3	p	1.28	0/555	1.82	0/768

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	q	1.28	0/555	1.82	0/768
3	r	1.29	0/555	1.83	0/768
All	All	1.24	6/231119 (0.0%)	1.72	77/321381 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	A	0	3
1	B	0	3
1	C	0	3
1	D	0	3
1	E	0	3
1	F	0	3
1	a	0	3
1	b	0	3
1	c	0	3
1	d	0	3
1	e	0	3
1	f	0	3
2	G	0	1
2	H	0	1
2	I	0	1
2	J	0	1
2	K	0	1
2	L	0	1
2	g	0	1
2	h	0	1
2	i	0	1
2	j	0	1
2	k	0	1
2	l	0	1
All	All	0	48

All (6) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	E	180	SER	C-O	7.44	1.33	1.24
1	e	180	SER	C-O	6.07	1.31	1.24
1	B	180	SER	CA-CB	5.76	1.61	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	b	180	SER	C-O	5.57	1.30	1.24
1	A	180	SER	C-O	5.55	1.30	1.24
1	C	180	SER	C-O	5.40	1.30	1.24

All (77) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	a	179	LYS	CB-CA-C	-10.09	104.93	116.63
1	E	178	GLY	CA-C-N	7.34	135.56	121.54
1	E	178	GLY	C-N-CA	7.34	135.56	121.54
1	a	175	LEU	CA-C-N	6.53	131.85	122.45
1	a	175	LEU	C-N-CA	6.53	131.85	122.45
1	b	183	GLN	CA-C-O	-5.95	114.58	120.82
1	A	257	PRO	CA-C-N	5.59	128.09	120.54
1	A	257	PRO	C-N-CA	5.59	128.09	120.54
1	D	257	PRO	CA-C-N	5.58	128.07	120.54
1	D	257	PRO	C-N-CA	5.58	128.07	120.54
1	c	257	PRO	CA-C-N	5.56	128.05	120.54
1	c	257	PRO	C-N-CA	5.56	128.05	120.54
1	e	257	PRO	CA-C-N	5.54	128.02	120.54
1	e	257	PRO	C-N-CA	5.54	128.02	120.54
1	d	257	PRO	CA-C-N	5.54	128.02	120.54
1	d	257	PRO	C-N-CA	5.54	128.02	120.54
1	F	257	PRO	CA-C-N	5.53	128.01	120.54
1	F	257	PRO	C-N-CA	5.53	128.01	120.54
1	f	257	PRO	CA-C-N	5.53	128.01	120.54
1	f	257	PRO	C-N-CA	5.53	128.01	120.54
1	b	257	PRO	CA-C-N	5.53	128.00	120.54
1	b	257	PRO	C-N-CA	5.53	128.00	120.54
1	C	257	PRO	CA-C-N	5.52	127.99	120.54
1	C	257	PRO	C-N-CA	5.52	127.99	120.54
1	a	21	GLN	CA-C-N	5.51	129.09	120.82
1	a	21	GLN	C-N-CA	5.51	129.09	120.82
1	b	21	GLN	CA-C-N	5.51	129.09	120.82
1	b	21	GLN	C-N-CA	5.51	129.09	120.82
1	E	257	PRO	CA-C-N	5.50	127.97	120.54
1	E	257	PRO	C-N-CA	5.50	127.97	120.54
1	B	257	PRO	CA-C-N	5.50	127.97	120.54
1	B	257	PRO	C-N-CA	5.50	127.97	120.54
1	a	257	PRO	CA-C-N	5.50	127.96	120.54
1	a	257	PRO	C-N-CA	5.50	127.96	120.54
1	D	21	GLN	CA-C-N	5.48	129.04	120.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	21	GLN	C-N-CA	5.48	129.04	120.82
1	A	21	GLN	CA-C-N	5.48	129.04	120.82
1	A	21	GLN	C-N-CA	5.48	129.04	120.82
1	f	21	GLN	CA-C-N	5.47	129.02	120.82
1	f	21	GLN	C-N-CA	5.47	129.02	120.82
1	C	21	GLN	CA-C-N	5.46	129.01	120.82
1	C	21	GLN	C-N-CA	5.46	129.01	120.82
1	F	21	GLN	CA-C-N	5.46	129.00	120.82
1	F	21	GLN	C-N-CA	5.46	129.00	120.82
1	B	21	GLN	CA-C-N	5.45	128.99	120.82
1	B	21	GLN	C-N-CA	5.45	128.99	120.82
1	e	21	GLN	CA-C-N	5.44	128.98	120.82
1	e	21	GLN	C-N-CA	5.44	128.98	120.82
1	E	21	GLN	CA-C-N	5.43	128.97	120.82
1	E	21	GLN	C-N-CA	5.43	128.97	120.82
1	d	21	GLN	CA-C-N	5.43	128.97	120.82
1	d	21	GLN	C-N-CA	5.43	128.97	120.82
1	c	21	GLN	CA-C-N	5.42	128.95	120.82
1	c	21	GLN	C-N-CA	5.42	128.95	120.82
1	D	238	PRO	CA-C-N	5.28	125.84	119.98
1	D	238	PRO	C-N-CA	5.28	125.84	119.98
1	a	180	SER	CB-CA-C	-5.17	110.60	116.54
1	F	238	PRO	CA-C-N	5.14	125.68	119.98
1	F	238	PRO	C-N-CA	5.14	125.68	119.98
1	B	238	PRO	CA-C-N	5.08	125.62	119.98
1	B	238	PRO	C-N-CA	5.08	125.62	119.98
1	f	238	PRO	CA-C-N	5.08	125.62	119.98
1	f	238	PRO	C-N-CA	5.08	125.62	119.98
1	E	238	PRO	CA-C-N	5.07	125.61	119.98
1	E	238	PRO	C-N-CA	5.07	125.61	119.98
1	b	238	PRO	CA-C-N	5.06	125.60	119.98
1	b	238	PRO	C-N-CA	5.06	125.60	119.98
1	c	238	PRO	CA-C-N	5.06	125.59	119.98
1	c	238	PRO	C-N-CA	5.06	125.59	119.98
1	C	238	PRO	CA-C-N	5.04	125.57	119.98
1	C	238	PRO	C-N-CA	5.04	125.57	119.98
1	A	238	PRO	CA-C-N	5.03	125.56	119.98
1	A	238	PRO	C-N-CA	5.03	125.56	119.98
1	f	174	ASP	CA-C-O	-5.01	115.54	120.70
1	a	238	PRO	CA-C-N	5.01	125.54	119.98
1	a	238	PRO	C-N-CA	5.01	125.54	119.98
2	i	760	HIS	CB-CA-C	5.00	115.12	110.17

There are no chirality outliers.

All (48) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	1584	PRO	Peptide
1	A	237	MET	Peptide
1	A	879	SER	Peptide
1	B	1584	PRO	Peptide
1	B	237	MET	Peptide
1	B	879	SER	Peptide
1	C	1584	PRO	Peptide
1	C	237	MET	Peptide
1	C	879	SER	Peptide
1	D	1584	PRO	Peptide
1	D	237	MET	Peptide
1	D	879	SER	Peptide
1	E	1584	PRO	Peptide
1	E	237	MET	Peptide
1	E	879	SER	Peptide
1	F	1584	PRO	Peptide
1	F	237	MET	Peptide
1	F	879	SER	Peptide
2	G	1316	ASP	Peptide
2	H	1316	ASP	Peptide
2	I	1316	ASP	Peptide
2	J	1316	ASP	Peptide
2	K	1316	ASP	Peptide
2	L	1316	ASP	Peptide
1	a	1584	PRO	Peptide
1	a	237	MET	Peptide
1	a	879	SER	Peptide
1	b	1584	PRO	Peptide
1	b	237	MET	Peptide
1	b	879	SER	Peptide
1	c	1584	PRO	Peptide
1	c	237	MET	Peptide
1	c	879	SER	Peptide
1	d	1584	PRO	Peptide
1	d	237	MET	Peptide
1	d	879	SER	Peptide
1	e	1584	PRO	Peptide
1	e	237	MET	Peptide
1	e	879	SER	Peptide
1	f	1584	PRO	Peptide

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Mol	Chain	Res	Type	Group
1	f	237	MET	Peptide
1	f	879	SER	Peptide
2	g	1316	ASP	Peptide
2	h	1316	ASP	Peptide
2	i	1316	ASP	Peptide
2	j	1316	ASP	Peptide
2	k	1316	ASP	Peptide
2	l	1316	ASP	Peptide

5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	8667	0	4008	12	0
1	B	8667	0	4008	12	0
1	C	8667	0	4008	12	0
1	D	8667	0	4008	14	0
1	E	8667	0	4008	9	0
1	F	8667	0	4008	16	0
1	a	8667	0	4008	11	0
1	b	8667	0	4008	14	0
1	c	8667	0	4008	12	0
1	d	8667	0	4008	14	0
1	e	8667	0	4008	13	0
1	f	8667	0	4008	11	0
2	G	10046	0	4474	8	1
2	H	10046	0	4474	6	0
2	I	10046	0	4473	10	3
2	J	10046	0	4474	7	0
2	K	10046	0	4474	9	0
2	L	10046	0	4474	7	0
2	g	10046	0	4474	6	0
2	h	10046	0	4474	10	1
2	i	10046	0	4474	6	0
2	j	10046	0	4474	6	3
2	k	10046	0	4474	8	0
2	l	10046	0	4474	8	0
3	M	558	0	252	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	N	558	0	252	0	0
3	O	558	0	252	0	0
3	P	558	0	252	1	0
3	Q	558	0	252	0	0
3	R	558	0	252	1	0
3	m	558	0	252	0	0
3	n	558	0	252	0	0
3	o	558	0	252	1	0
3	p	558	0	252	0	0
3	q	558	0	252	1	0
3	r	558	0	252	0	0
All	All	231252	0	104807	223	4

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 1.

All (223) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:180:SER:HA	1:F:183:GLN:CB	1.69	1.19
2:I:1971:GLY:C	2:I:1972:ILE:N	2.00	1.19
1:F:180:SER:O	1:F:184:ASN:N	1.87	1.07
1:B:180:SER:HA	1:B:183:GLN:CB	1.94	0.97
1:D:180:SER:HA	1:D:183:GLN:CB	1.99	0.93
1:D:180:SER:O	1:D:184:ASN:N	2.04	0.89
1:d:173:LYS:O	1:d:176:VAL:O	1.97	0.83
1:F:180:SER:CA	1:F:183:GLN:CB	2.57	0.79
2:I:1971:GLY:C	2:I:1972:ILE:CA	2.57	0.77
1:F:682:GLY:HA2	3:R:136:ASP:HA	1.73	0.69
1:B:180:SER:CA	1:B:183:GLN:CB	2.72	0.66
1:D:682:GLY:HA2	3:P:136:ASP:HA	1.76	0.66
1:c:181:THR:CB	2:h:510:SER:CB	2.75	0.64
1:c:682:GLY:HA2	3:o:136:ASP:HA	1.81	0.62
1:e:682:GLY:HA2	3:q:136:ASP:HA	1.82	0.61
1:D:180:SER:CA	1:D:183:GLN:CB	2.76	0.60
1:d:43:ARG:O	2:j:1662:THR:HA	2.01	0.60
1:b:29:ILE:N	2:h:1891:TYR:O	2.36	0.59
1:a:173:LYS:O	1:a:176:VAL:O	2.20	0.59
2:I:1971:GLY:C	2:I:1972:ILE:HA	2.29	0.57
1:A:46:GLU:HA	2:G:1665:VAL:O	2.06	0.56
1:D:180:SER:O	1:D:183:GLN:CB	2.54	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:182:VAL:O	1:a:183:GLN:CB	2.54	0.55
1:F:180:SER:O	1:F:183:GLN:CB	2.55	0.55
1:b:817:THR:O	2:k:1722:GLY:N	2.40	0.54
1:F:180:SER:O	1:F:183:GLN:CA	2.55	0.54
1:c:1303:GLY:O	1:c:1306:ALA:N	2.42	0.53
1:A:1303:GLY:O	1:A:1306:ALA:N	2.42	0.53
1:e:1303:GLY:O	1:e:1306:ALA:N	2.42	0.53
1:d:1303:GLY:O	1:d:1306:ALA:N	2.42	0.53
1:E:1303:GLY:O	1:E:1306:ALA:N	2.42	0.53
1:D:1303:GLY:O	1:D:1306:ALA:N	2.42	0.53
1:B:1303:GLY:O	1:B:1306:ALA:N	2.42	0.53
1:D:180:SER:O	1:D:183:GLN:CA	2.57	0.53
1:b:26:VAL:N	2:h:1889:VAL:O	2.38	0.53
1:c:43:ARG:O	2:i:1662:THR:HA	2.07	0.53
1:f:1303:GLY:O	1:f:1306:ALA:N	2.42	0.53
1:C:1303:GLY:O	1:C:1306:ALA:N	2.41	0.53
1:F:1303:GLY:O	1:F:1306:ALA:N	2.41	0.53
1:b:1303:GLY:O	1:b:1306:ALA:N	2.42	0.53
1:a:1303:GLY:O	1:a:1306:ALA:N	2.42	0.52
2:h:770:GLY:HA2	2:h:1059:ALA:HB2	1.92	0.51
2:l:770:GLY:HA2	2:l:1059:ALA:HB2	1.93	0.51
2:j:770:GLY:HA2	2:j:1059:ALA:HB2	1.93	0.51
2:L:770:GLY:HA2	2:L:1059:ALA:HB2	1.93	0.51
2:g:770:GLY:HA2	2:g:1059:ALA:HB2	1.93	0.51
2:I:770:GLY:HA2	2:I:1059:ALA:HB2	1.93	0.51
2:J:770:GLY:HA2	2:J:1059:ALA:HB2	1.93	0.51
2:H:770:GLY:HA2	2:H:1059:ALA:HB2	1.93	0.50
2:i:770:GLY:HA2	2:i:1059:ALA:HB2	1.93	0.50
1:C:43:ARG:O	2:I:1662:THR:HA	2.12	0.50
1:D:1405:ALA:HB1	1:D:1525:ALA:HB1	1.94	0.50
1:d:1405:ALA:HB1	1:d:1525:ALA:HB1	1.94	0.50
1:D:1303:GLY:O	1:D:1305:CYS:N	2.45	0.50
1:E:1303:GLY:O	1:E:1305:CYS:N	2.45	0.50
1:E:1405:ALA:HB1	1:E:1525:ALA:HB1	1.94	0.50
2:G:770:GLY:HA2	2:G:1059:ALA:HB2	1.93	0.50
1:f:1405:ALA:HB1	1:f:1525:ALA:HB1	1.94	0.50
1:A:1303:GLY:O	1:A:1305:CYS:N	2.45	0.49
1:e:1405:ALA:HB1	1:e:1525:ALA:HB1	1.94	0.49
1:f:1303:GLY:O	1:f:1305:CYS:N	2.45	0.49
1:A:1405:ALA:HB1	1:A:1525:ALA:HB1	1.94	0.49
1:F:1303:GLY:O	1:F:1305:CYS:N	2.45	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:d:1303:GLY:O	1:d:1305:CYS:N	2.45	0.49
1:e:1303:GLY:O	1:e:1305:CYS:N	2.45	0.49
1:c:1405:ALA:HB1	1:c:1525:ALA:HB1	1.94	0.49
1:d:1584:PRO:O	1:d:1586:GLY:N	2.46	0.49
1:A:879:SER:O	1:A:881:ASN:N	2.46	0.49
1:C:1405:ALA:HB1	1:C:1525:ALA:HB1	1.94	0.49
1:F:1405:ALA:HB1	1:F:1525:ALA:HB1	1.95	0.49
1:a:1303:GLY:O	1:a:1305:CYS:N	2.45	0.49
1:c:879:SER:O	1:c:881:ASN:N	2.46	0.49
1:c:1584:PRO:O	1:c:1586:GLY:N	2.46	0.49
1:f:879:SER:O	1:f:881:ASN:N	2.46	0.49
1:f:1576:PHE:O	1:f:1578:LYS:N	2.46	0.49
1:A:1576:PHE:O	1:A:1578:LYS:N	2.46	0.49
1:B:879:SER:O	1:B:881:ASN:N	2.46	0.49
1:C:879:SER:O	1:C:881:ASN:N	2.45	0.49
1:E:879:SER:O	1:E:881:ASN:N	2.46	0.49
1:a:879:SER:O	1:a:881:ASN:N	2.46	0.49
1:b:879:SER:O	1:b:881:ASN:N	2.45	0.49
1:b:1584:PRO:O	1:b:1586:GLY:N	2.46	0.49
1:F:1584:PRO:O	1:F:1586:GLY:N	2.46	0.49
2:K:770:GLY:HA2	2:K:1059:ALA:HB2	1.93	0.49
1:d:879:SER:O	1:d:881:ASN:N	2.45	0.49
1:e:1576:PHE:O	1:e:1578:LYS:N	2.46	0.49
1:F:879:SER:O	1:F:881:ASN:N	2.46	0.49
1:d:1576:PHE:O	1:d:1578:LYS:N	2.46	0.49
2:k:770:GLY:HA2	2:k:1059:ALA:HB2	1.95	0.49
1:C:1303:GLY:O	1:C:1305:CYS:N	2.45	0.49
1:b:1405:ALA:HB1	1:b:1525:ALA:HB1	1.94	0.49
1:b:1430:ARG:HA	1:d:1716:LEU:HA	1.95	0.49
1:e:1584:PRO:O	1:e:1586:GLY:N	2.46	0.49
1:f:26:VAL:N	2:l:1889:VAL:O	2.44	0.49
1:B:1584:PRO:O	1:B:1586:GLY:N	2.46	0.49
1:C:1576:PHE:O	1:C:1578:LYS:N	2.46	0.49
1:D:1576:PHE:O	1:D:1578:LYS:N	2.46	0.48
1:E:1584:PRO:O	1:E:1586:GLY:N	2.46	0.48
1:F:1576:PHE:O	1:F:1578:LYS:N	2.46	0.48
1:c:1303:GLY:O	1:c:1305:CYS:N	2.45	0.48
1:c:1576:PHE:O	1:c:1578:LYS:N	2.46	0.48
1:e:879:SER:O	1:e:881:ASN:N	2.46	0.48
1:f:1584:PRO:O	1:f:1586:GLY:N	2.46	0.48
1:B:1303:GLY:O	1:B:1305:CYS:N	2.45	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:879:SER:O	1:D:881:ASN:N	2.46	0.48
1:D:1584:PRO:O	1:D:1586:GLY:N	2.46	0.48
1:b:1576:PHE:O	1:b:1578:LYS:N	2.46	0.48
1:A:1584:PRO:O	1:A:1586:GLY:N	2.46	0.48
1:D:180:SER:O	1:D:183:GLN:N	2.45	0.48
1:a:1405:ALA:HB1	1:a:1525:ALA:HB1	1.94	0.48
1:a:1584:PRO:O	1:a:1586:GLY:N	2.46	0.48
1:E:1576:PHE:O	1:E:1578:LYS:N	2.46	0.48
2:i:300:ILE:O	2:i:303:LEU:N	2.47	0.48
2:j:300:ILE:O	2:j:303:LEU:N	2.47	0.48
1:b:1303:GLY:O	1:b:1305:CYS:N	2.45	0.48
2:k:300:ILE:O	2:k:303:LEU:N	2.47	0.48
1:e:184:ASN:O	1:e:188:GLY:N	2.39	0.48
1:B:1405:ALA:HB1	1:B:1525:ALA:HB1	1.94	0.48
1:B:1576:PHE:O	1:B:1578:LYS:N	2.46	0.48
2:K:300:ILE:O	2:K:303:LEU:N	2.47	0.48
2:h:300:ILE:O	2:h:303:LEU:N	2.47	0.48
1:F:180:SER:O	1:F:183:GLN:C	2.53	0.48
2:J:300:ILE:O	2:J:303:LEU:N	2.47	0.48
1:a:1576:PHE:O	1:a:1578:LYS:N	2.46	0.48
1:C:1584:PRO:O	1:C:1586:GLY:N	2.46	0.47
2:g:300:ILE:O	2:g:303:LEU:N	2.47	0.47
2:G:300:ILE:O	2:G:303:LEU:N	2.47	0.47
2:L:300:ILE:O	2:L:303:LEU:N	2.47	0.47
2:l:300:ILE:O	2:l:303:LEU:N	2.47	0.47
2:H:300:ILE:O	2:H:303:LEU:N	2.47	0.47
2:I:300:ILE:O	2:I:303:LEU:N	2.47	0.47
2:H:1867:SER:O	2:H:1870:ALA:HB3	2.15	0.47
2:I:1867:SER:O	2:I:1870:ALA:HB3	2.15	0.47
2:g:1867:SER:O	2:g:1870:ALA:HB3	2.15	0.47
2:k:1867:SER:O	2:k:1870:ALA:HB3	2.15	0.46
2:J:1867:SER:O	2:J:1870:ALA:HB3	2.16	0.46
2:i:1867:SER:O	2:i:1870:ALA:HB3	2.16	0.46
2:j:1867:SER:O	2:j:1870:ALA:HB3	2.15	0.46
1:e:47:ILE:O	2:k:1666:PHE:HA	2.15	0.46
2:L:1867:SER:O	2:L:1870:ALA:HB3	2.16	0.46
2:G:1867:SER:O	2:G:1870:ALA:HB3	2.15	0.46
2:l:1867:SER:O	2:l:1870:ALA:HB3	2.15	0.46
2:K:1867:SER:O	2:K:1870:ALA:HB3	2.15	0.45
2:h:1867:SER:O	2:h:1870:ALA:HB3	2.15	0.45
1:f:29:ILE:N	2:l:1891:TYR:O	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:1023:GLY:O	1:E:1386:ILE:N	2.48	0.45
2:L:1356:GLY:HA2	2:L:1609:THR:HA	1.99	0.45
1:b:1023:GLY:O	1:b:1386:ILE:N	2.48	0.45
2:j:1356:GLY:HA2	2:j:1609:THR:HA	1.99	0.45
2:J:1356:GLY:HA2	2:J:1609:THR:HA	1.99	0.45
2:K:1356:GLY:HA2	2:K:1609:THR:HA	1.99	0.44
1:e:1023:GLY:O	1:e:1386:ILE:N	2.48	0.44
1:a:1023:GLY:O	1:a:1386:ILE:N	2.48	0.44
1:c:1023:GLY:O	1:c:1386:ILE:N	2.48	0.44
1:f:1023:GLY:O	1:f:1386:ILE:N	2.48	0.44
1:B:1023:GLY:O	1:B:1386:ILE:N	2.48	0.44
1:F:180:SER:C	1:F:183:GLN:CB	2.91	0.44
2:k:1356:GLY:HA2	2:k:1609:THR:HA	1.99	0.44
2:l:1356:GLY:HA2	2:l:1609:THR:HA	1.99	0.44
1:B:1121:MET:O	1:B:1177:LYS:N	2.46	0.44
2:K:317:THR:HA	2:L:1307:ASN:O	2.18	0.44
1:c:357:GLY:HA3	1:d:357:GLY:HA3	1.99	0.44
2:i:1356:GLY:HA2	2:i:1609:THR:HA	1.99	0.44
2:h:1356:GLY:HA2	2:h:1609:THR:HA	1.99	0.44
2:G:1356:GLY:HA2	2:G:1609:THR:HA	1.99	0.43
1:c:181:THR:CB	2:h:510:SER:CA	2.97	0.43
1:F:1121:MET:O	1:F:1177:LYS:N	2.46	0.43
1:e:46:GLU:HA	2:k:1665:VAL:O	2.18	0.43
1:e:1121:MET:O	1:e:1177:LYS:N	2.46	0.43
2:g:1356:GLY:HA2	2:g:1609:THR:HA	1.99	0.43
2:H:1356:GLY:HA2	2:H:1609:THR:HA	1.99	0.43
2:I:1356:GLY:HA2	2:I:1609:THR:HA	1.99	0.43
2:K:2015:THR:O	2:K:2017:LYS:N	2.46	0.43
1:d:1023:GLY:O	1:d:1386:ILE:N	2.48	0.42
1:C:1121:MET:O	1:C:1177:LYS:N	2.45	0.42
2:k:2049:GLU:O	2:k:2050:GLN:C	2.63	0.42
1:A:1121:MET:O	1:A:1177:LYS:N	2.46	0.42
1:A:44:VAL:HA	2:G:1663:THR:O	2.20	0.42
1:F:180:SER:O	1:F:183:GLN:N	2.53	0.42
2:l:2049:GLU:O	2:l:2050:GLN:C	2.63	0.42
1:A:1023:GLY:O	1:A:1386:ILE:N	2.48	0.42
2:J:2015:THR:O	2:J:2017:LYS:N	2.46	0.42
1:b:1301:PRO:HA	1:d:1300:THR:O	2.20	0.42
2:i:2049:GLU:O	2:i:2050:GLN:C	2.63	0.42
1:B:870:GLY:HA3	1:B:927:ASN:HA	2.02	0.42
2:G:2049:GLU:O	2:G:2050:GLN:C	2.63	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:I:2049:GLU:O	2:I:2050:GLN:C	2.63	0.41
2:L:1373:SER:O	2:L:1397:SER:N	2.51	0.41
2:J:2049:GLU:O	2:J:2050:GLN:C	2.63	0.41
2:K:2049:GLU:O	2:K:2050:GLN:C	2.63	0.41
1:C:870:GLY:HA3	1:C:927:ASN:HA	2.03	0.41
2:j:2049:GLU:O	2:j:2050:GLN:C	2.63	0.41
2:h:2049:GLU:O	2:h:2050:GLN:C	2.63	0.41
1:E:870:GLY:HA3	1:E:927:ASN:HA	2.03	0.41
1:f:666:ALA:O	1:f:670:GLY:HA2	2.21	0.41
2:g:2049:GLU:O	2:g:2050:GLN:C	2.63	0.41
1:B:666:ALA:O	1:B:670:GLY:HA2	2.21	0.41
2:J:1373:SER:O	2:J:1397:SER:N	2.51	0.41
1:d:184:ASN:O	1:d:188:GLY:N	2.44	0.41
1:A:666:ALA:O	1:A:670:GLY:HA2	2.21	0.41
1:A:870:GLY:HA3	1:A:927:ASN:HA	2.03	0.41
1:C:180:SER:HA	1:C:183:GLN:CB	2.51	0.41
1:C:1023:GLY:O	1:C:1386:ILE:N	2.48	0.41
2:G:2015:THR:O	2:G:2017:LYS:N	2.46	0.41
2:K:1373:SER:O	2:K:1397:SER:N	2.51	0.41
2:L:2049:GLU:O	2:L:2050:GLN:C	2.63	0.41
1:d:666:ALA:O	1:d:670:GLY:HA2	2.21	0.41
1:f:870:GLY:HA3	1:f:927:ASN:HA	2.03	0.41
2:H:1373:SER:O	2:H:1397:SER:N	2.51	0.40
2:H:2049:GLU:O	2:H:2050:GLN:C	2.63	0.40
1:e:870:GLY:HA3	1:e:927:ASN:HA	2.03	0.40
1:D:180:SER:O	1:D:183:GLN:C	2.64	0.40
1:E:666:ALA:O	1:E:670:GLY:HA2	2.21	0.40
2:h:1373:SER:O	2:h:1397:SER:N	2.51	0.40
2:K:898:ASP:O	2:K:1050:ARG:HA	2.22	0.40
1:b:666:ALA:O	1:b:670:GLY:HA2	2.21	0.40
1:b:870:GLY:HA3	1:b:927:ASN:HA	2.03	0.40
1:C:666:ALA:O	1:C:670:GLY:HA2	2.21	0.40
2:I:1373:SER:O	2:I:1397:SER:N	2.51	0.40
1:a:666:ALA:O	1:a:670:GLY:HA2	2.21	0.40
1:a:870:GLY:HA3	1:a:927:ASN:HA	2.03	0.40
2:g:1373:SER:O	2:g:1397:SER:N	2.51	0.40
2:l:898:ASP:O	2:l:1050:ARG:HA	2.22	0.40

All (4) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:G:1929:LYS:CB	2:h:1399:ASN:O[2_645]	1.63	0.57
2:I:1929:LYS:O	2:j:444:VAL:CB[1_655]	1.72	0.48
2:I:1929:LYS:O	2:j:444:VAL:CA[1_655]	2.16	0.04
2:I:1929:LYS:C	2:j:444:VAL:CB[1_655]	2.17	0.03

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	
1	A	1752/1887 (93%)	1652 (94%)	96 (6%)	4 (0%)	43	77
1	B	1752/1887 (93%)	1647 (94%)	101 (6%)	4 (0%)	43	77
1	C	1752/1887 (93%)	1651 (94%)	97 (6%)	4 (0%)	43	77
1	D	1752/1887 (93%)	1652 (94%)	96 (6%)	4 (0%)	43	77
1	E	1752/1887 (93%)	1649 (94%)	98 (6%)	5 (0%)	36	71
1	F	1752/1887 (93%)	1649 (94%)	98 (6%)	5 (0%)	36	71
1	a	1752/1887 (93%)	1647 (94%)	99 (6%)	6 (0%)	36	71
1	b	1752/1887 (93%)	1649 (94%)	99 (6%)	4 (0%)	43	77
1	c	1752/1887 (93%)	1649 (94%)	98 (6%)	5 (0%)	36	71
1	d	1752/1887 (93%)	1652 (94%)	96 (6%)	4 (0%)	43	77
1	e	1752/1887 (93%)	1650 (94%)	97 (6%)	5 (0%)	36	71
1	f	1752/1887 (93%)	1649 (94%)	99 (6%)	4 (0%)	43	77
2	G	2029/2051 (99%)	1901 (94%)	120 (6%)	8 (0%)	30	67
2	H	2029/2051 (99%)	1900 (94%)	121 (6%)	8 (0%)	30	67
2	I	2027/2051 (99%)	1902 (94%)	117 (6%)	8 (0%)	30	67
2	J	2029/2051 (99%)	1902 (94%)	119 (6%)	8 (0%)	30	67
2	K	2029/2051 (99%)	1903 (94%)	118 (6%)	8 (0%)	30	67
2	L	2029/2051 (99%)	1902 (94%)	119 (6%)	8 (0%)	30	67
2	g	2029/2051 (99%)	1902 (94%)	119 (6%)	8 (0%)	30	67

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	h	2029/2051 (99%)	1900 (94%)	121 (6%)	8 (0%)	30	67
2	i	2029/2051 (99%)	1903 (94%)	118 (6%)	8 (0%)	30	67
2	j	2029/2051 (99%)	1902 (94%)	119 (6%)	8 (0%)	30	67
2	k	2029/2051 (99%)	1901 (94%)	120 (6%)	8 (0%)	30	67
2	l	2029/2051 (99%)	1903 (94%)	118 (6%)	8 (0%)	30	67
3	M	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	N	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	O	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	P	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	Q	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	R	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	m	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	n	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	o	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	p	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	q	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
3	r	107/150 (71%)	98 (92%)	8 (8%)	1 (1%)	14	49
All	All	46654/49056 (95%)	43793 (94%)	2699 (6%)	162 (0%)	36	71

All (162) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	1304	ALA
1	B	1304	ALA
1	C	1304	ALA
1	D	1304	ALA
1	E	179	LYS
1	E	1304	ALA
1	F	179	LYS
1	F	1304	ALA
2	G	274	SER
2	G	1317	ARG
2	G	1808	SER
2	H	274	SER
2	H	1317	ARG
2	H	1808	SER

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Mol	Chain	Res	Type
2	I	274	SER
2	I	1317	ARG
2	I	1808	SER
2	J	274	SER
2	J	1317	ARG
2	J	1808	SER
2	K	274	SER
2	K	1317	ARG
2	K	1808	SER
2	L	274	SER
2	L	1317	ARG
2	L	1808	SER
1	a	1304	ALA
1	b	1304	ALA
1	c	179	LYS
1	c	1304	ALA
1	d	1304	ALA
1	e	179	LYS
1	e	1304	ALA
1	f	1304	ALA
2	g	274	SER
2	g	1317	ARG
2	g	1808	SER
2	h	274	SER
2	h	1317	ARG
2	h	1808	SER
2	i	274	SER
2	i	1317	ARG
2	i	1808	SER
2	j	274	SER
2	j	1317	ARG
2	j	1808	SER
2	k	274	SER
2	k	1317	ARG
2	k	1808	SER
2	l	274	SER
2	l	1317	ARG
2	l	1808	SER
1	A	880	ALA
1	A	1577	GLN
1	B	880	ALA
1	B	1577	GLN

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Mol	Chain	Res	Type
1	C	880	ALA
1	C	1577	GLN
1	D	880	ALA
1	D	1577	GLN
1	E	880	ALA
1	E	1577	GLN
1	F	880	ALA
1	F	1577	GLN
2	H	1846	GLU
2	J	1846	GLU
2	K	1846	GLU
2	L	1846	GLU
3	M	148	ILE
3	N	148	ILE
3	O	148	ILE
3	P	148	ILE
3	Q	148	ILE
3	R	148	ILE
1	a	183	GLN
1	a	880	ALA
1	a	1577	GLN
1	b	880	ALA
1	b	1577	GLN
1	c	880	ALA
1	c	1577	GLN
1	d	880	ALA
1	d	1577	GLN
1	e	880	ALA
1	e	1577	GLN
1	f	880	ALA
1	f	1577	GLN
2	g	1846	GLU
2	h	1846	GLU
2	i	1846	GLU
2	j	1846	GLU
2	k	1846	GLU
2	l	1846	GLU
3	m	148	ILE
3	n	148	ILE
3	o	148	ILE
3	p	148	ILE
3	q	148	ILE

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Mol	Chain	Res	Type
3	r	148	ILE
1	A	1585	LYS
1	B	1585	LYS
1	C	1585	LYS
1	D	1585	LYS
1	E	1585	LYS
2	G	1846	GLU
2	G	2016	ALA
2	H	2016	ALA
2	I	1846	GLU
2	I	2016	ALA
2	J	2016	ALA
2	K	2016	ALA
2	L	2016	ALA
1	a	1585	LYS
1	b	1585	LYS
1	c	1585	LYS
1	d	1585	LYS
1	e	1585	LYS
1	f	1585	LYS
2	g	2016	ALA
2	h	2016	ALA
2	i	2016	ALA
2	j	2016	ALA
2	k	2016	ALA
2	l	2016	ALA
1	F	1585	LYS
2	G	1316	ASP
2	H	1316	ASP
2	I	1316	ASP
2	J	1316	ASP
2	K	1316	ASP
2	L	1316	ASP
2	g	1316	ASP
2	h	1316	ASP
2	i	1316	ASP
2	i	1869	GLU
2	j	1316	ASP
2	k	1316	ASP
2	l	1316	ASP
2	G	1214	LEU
2	G	1869	GLU

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Mol	Chain	Res	Type
2	H	1869	GLU
2	I	1869	GLU
2	J	1869	GLU
2	K	1869	GLU
2	L	1869	GLU
2	g	1869	GLU
2	h	1869	GLU
2	j	1869	GLU
2	k	1214	LEU
2	l	1869	GLU
2	H	1214	LEU
2	I	1214	LEU
2	J	1214	LEU
2	K	1214	LEU
2	L	1214	LEU
2	g	1214	LEU
2	h	1214	LEU
2	i	1214	LEU
2	j	1214	LEU
2	k	1869	GLU
2	l	1214	LEU
1	a	182	VAL

5.3.2 Protein sidechains [i](#)

There are no protein residues with a non-rotameric sidechain to report in this entry.

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
2	I	3
2	G	2
2	i	2
2	j	2
2	H	2
2	J	2
2	K	2
2	L	2
2	g	2
2	h	2
2	k	2
2	l	2

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	G	299:ALA	C	300:ILE	N	4.56
1	I	299:ALA	C	300:ILE	N	4.56
1	i	299:ALA	C	300:ILE	N	4.56
1	j	299:ALA	C	300:ILE	N	4.56
1	H	299:ALA	C	300:ILE	N	4.55
1	J	299:ALA	C	300:ILE	N	4.55
1	K	299:ALA	C	300:ILE	N	4.55
1	L	299:ALA	C	300:ILE	N	4.55
1	g	299:ALA	C	300:ILE	N	4.55
1	h	299:ALA	C	300:ILE	N	4.55
1	k	299:ALA	C	300:ILE	N	4.55
1	l	299:ALA	C	300:ILE	N	4.55
1	H	300:ILE	C	301:THR	N	3.90
1	K	300:ILE	C	301:THR	N	3.90

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	h	300:ILE	C	301:THR	N	3.90
1	i	300:ILE	C	301:THR	N	3.90
1	k	300:ILE	C	301:THR	N	3.90
1	G	300:ILE	C	301:THR	N	3.89
1	I	300:ILE	C	301:THR	N	3.89
1	J	300:ILE	C	301:THR	N	3.89
1	L	300:ILE	C	301:THR	N	3.89
1	g	300:ILE	C	301:THR	N	3.89
1	j	300:ILE	C	301:THR	N	3.89
1	l	300:ILE	C	301:THR	N	3.89
1	I	1971:GLY	C	1972:ILE	N	2.00

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	1760/1887 (93%)	1.72	620 (35%) 1 3	111, 211, 438, 635	0
1	B	1760/1887 (93%)	1.78	640 (36%) 1 3	107, 216, 435, 651	0
1	C	1760/1887 (93%)	1.99	715 (40%) 0 2	122, 236, 466, 673	0
1	D	1760/1887 (93%)	1.79	648 (36%) 1 3	109, 208, 394, 609	0
1	E	1760/1887 (93%)	1.67	598 (33%) 1 4	115, 206, 386, 636	0
1	F	1760/1887 (93%)	1.97	717 (40%) 0 2	130, 229, 422, 813	0
1	a	1760/1887 (93%)	1.70	628 (35%) 1 3	110, 216, 416, 637	0
1	b	1760/1887 (93%)	1.92	668 (37%) 1 3	116, 216, 423, 674	0
1	c	1760/1887 (93%)	1.73	602 (34%) 1 4	116, 216, 398, 624	0
1	d	1760/1887 (93%)	1.91	685 (38%) 1 3	126, 226, 466, 854	0
1	e	1760/1887 (93%)	1.91	705 (40%) 0 2	120, 221, 442, 771	0
1	f	1760/1887 (93%)	1.69	600 (34%) 1 4	117, 207, 427, 597	0
2	G	2036/2051 (99%)	1.95	839 (41%) 0 2	49, 279, 395, 567	0
2	H	2036/2051 (99%)	2.15	918 (45%) 0 2	55, 284, 406, 514	0
2	I	2036/2051 (99%)	2.26	972 (47%) 0 2	51, 295, 399, 627	0
2	J	2036/2051 (99%)	1.63	646 (31%) 1 4	37, 219, 306, 450	0
2	K	2036/2051 (99%)	1.76	683 (33%) 1 4	48, 243, 350, 531	0
2	L	2036/2051 (99%)	1.83	757 (37%) 1 3	34, 252, 335, 519	0
2	g	2036/2051 (99%)	1.86	748 (36%) 1 3	39, 252, 359, 448	0
2	h	2036/2051 (99%)	1.72	687 (33%) 1 4	38, 229, 318, 416	0
2	i	2036/2051 (99%)	1.69	678 (33%) 1 4	43, 256, 340, 447	0
2	j	2036/2051 (99%)	2.03	853 (41%) 0 2	39, 265, 377, 499	0
2	k	2036/2051 (99%)	2.09	908 (44%) 0 2	40, 274, 383, 525	0
2	l	2036/2051 (99%)	2.20	894 (43%) 0 2	45, 240, 421, 717	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
3	M	113/150 (75%)	2.62	61 (53%)	0	1	275, 371, 473, 531	0
3	N	113/150 (75%)	2.48	63 (55%)	0	1	219, 329, 521, 654	0
3	O	113/150 (75%)	3.13	71 (62%)	0	1	278, 384, 520, 573	0
3	P	113/150 (75%)	1.95	43 (38%)	1	3	221, 299, 420, 523	0
3	Q	113/150 (75%)	2.36	59 (52%)	0	1	219, 342, 501, 595	0
3	R	113/150 (75%)	2.15	46 (40%)	0	2	258, 354, 440, 475	0
3	m	113/150 (75%)	2.62	70 (61%)	0	1	230, 335, 505, 561	0
3	n	113/150 (75%)	1.94	51 (45%)	0	2	198, 287, 476, 589	0
3	o	113/150 (75%)	2.33	56 (49%)	0	2	209, 341, 439, 549	0
3	p	113/150 (75%)	2.14	49 (43%)	0	2	216, 316, 430, 481	0
3	q	113/150 (75%)	2.41	54 (47%)	0	2	224, 349, 493, 560	0
3	r	113/150 (75%)	2.42	49 (43%)	0	2	220, 337, 511, 527	0
All	All	46908/49056 (95%)	1.89	18081 (38%)	1	3	34, 243, 401, 854	0

All (18081) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	f	141	ALA	21.2
1	C	140	ILE	19.6
2	I	1952	ALA	18.2
1	c	972	SER	16.8
1	C	141	ALA	16.4
1	b	140	ILE	16.2
2	g	1953	VAL	16.0
1	b	235	SER	15.6
1	A	289	SER	15.3
2	g	1952	ALA	15.3
2	k	44	PRO	14.7
1	f	239	GLY	14.7
1	b	141	ALA	14.6
2	j	738	GLY	14.5
2	g	1945	ASP	14.5
2	I	1949	LYS	14.4
2	k	1864	ALA	14.1
2	K	47	GLY	14.1
1	C	1848	ALA	14.0
2	k	1848	GLY	13.7
2	H	1124	SER	13.6

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Mol	Chain	Res	Type	RSRZ
1	F	494	ALA	13.5
2	I	531	GLY	13.4
2	K	1956	ARG	13.3
2	G	738	GLY	13.1
1	d	1848	ALA	13.0
1	b	1870	SER	12.9
1	b	1817	GLU	12.9
2	j	1883	GLY	12.8
3	r	140	VAL	12.5
1	C	255	GLY	12.4
2	I	1953	VAL	12.4
2	I	56	THR	12.4
2	K	45	THR	12.3
1	F	279	SER	12.3
2	H	1735	ALA	12.3
2	j	1851	ASN	12.2
1	F	981	GLU	12.2
1	c	615	SER	12.1
2	K	43	GLU	12.1
1	F	278	GLY	12.0
1	f	1743	SER	11.9
2	I	274	SER	11.9
2	H	1895	ASN	11.8
2	k	2050	GLN	11.8
1	D	235	SER	11.8
2	I	55	THR	11.7
1	b	675	ASP	11.7
2	i	1161	GLN	11.7
2	k	1860	GLY	11.6
2	K	2050	GLN	11.6
2	k	223	SER	11.6
2	G	1176	PRO	11.5
2	H	410	SER	11.5
3	M	143	VAL	11.4
2	l	132	MET	11.4
1	b	1862	ALA	11.4
2	k	222	PRO	11.4
1	A	285	ALA	11.3
2	I	504	PHE	11.3
1	C	1066	ASN	11.3
2	l	1369	GLY	11.3
1	C	981	GLU	11.3

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Mol	Chain	Res	Type	RSRZ
1	d	622	ILE	11.2
1	f	981	GLU	11.2
2	l	553	ASN	11.1
2	l	596	GLY	11.1
2	l	87	CYS	11.1
1	c	600	ASP	11.0
2	H	44	PRO	11.0
2	I	1041	GLU	11.0
2	L	1510	ALA	11.0
1	F	495	LYS	10.9
1	B	288	ASP	10.9
1	d	1850	GLU	10.8
2	K	1188	ASN	10.7
1	F	239	GLY	10.7
2	h	44	PRO	10.7
2	l	142	ASN	10.7
1	A	288	ASP	10.5
2	I	1230	ASP	10.5
2	L	1478	ASN	10.4
2	K	44	PRO	10.3
1	e	1840	VAL	10.3
1	a	215	ASP	10.3
1	D	857	SER	10.3
2	h	938	TRP	10.3
1	a	1380	GLN	10.3
2	j	1905	ARG	10.3
2	I	57	PRO	10.2
2	L	1448	GLU	10.2
2	k	472	SER	10.2
2	l	133	ALA	10.2
2	K	46	GLU	10.2
2	i	1471	GLU	10.2
2	j	458	PRO	10.2
1	b	270	SER	10.2
2	k	178	GLN	10.1
2	j	1850	SER	10.1
1	e	262	ASP	10.0
2	L	1305	GLY	10.0
2	l	738	GLY	10.0
2	l	1548	SER	10.0
2	J	1548	SER	10.0
2	j	1884	TRP	10.0

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Mol	Chain	Res	Type	RSRZ
1	A	253	ARG	9.9
2	l	1959	LYS	9.9
2	g	117	VAL	9.9
1	e	1829	GLY	9.8
2	i	1162	ASP	9.8
2	H	274	SER	9.8
1	e	1080	THR	9.8
2	I	738	GLY	9.8
2	K	738	GLY	9.8
1	d	148	SER	9.8
1	d	1374	ASN	9.7
1	C	462	LYS	9.7
1	D	1073	THR	9.7
2	j	531	GLY	9.7
2	I	1951	SER	9.7
1	C	1762	GLU	9.7
2	K	1229	MET	9.7
1	b	520	ARG	9.7
2	I	622	GLY	9.6
1	b	1178	ALA	9.6
1	f	262	ASP	9.6
2	l	313	ALA	9.6
1	b	632	ARG	9.6
2	L	2043	ASP	9.6
2	G	82	GLN	9.5
1	F	230	SER	9.5
3	O	3	SER	9.5
1	B	628	SER	9.5
2	H	133	ALA	9.5
2	I	2050	GLN	9.5
1	E	622	ILE	9.5
2	K	740	HIS	9.5
2	l	2050	GLN	9.5
1	b	1363	ALA	9.5
2	h	738	GLY	9.5
2	l	43	GLU	9.4
1	F	1885	THR	9.4
2	l	1105	GLY	9.4
2	l	56	THR	9.4
2	H	1675	GLY	9.4
2	l	1477	ALA	9.4
1	a	235	SER	9.4

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Mol	Chain	Res	Type	RSRZ
1	C	1766	ASN	9.4
1	a	167	PRO	9.4
2	K	739	GLY	9.4
2	H	2043	ASP	9.4
1	B	675	ASP	9.3
3	o	111	LYS	9.3
2	K	623	GLY	9.3
2	L	1477	ALA	9.3
1	e	1003	GLN	9.3
1	B	443	SER	9.3
2	k	1964	PHE	9.3
2	l	185	GLY	9.2
1	f	235	SER	9.2
1	B	1548	ALA	9.2
2	h	941	VAL	9.2
1	b	854	HIS	9.2
1	e	235	SER	9.1
2	G	1175	LYS	9.1
2	j	737	GLY	9.1
1	e	1743	SER	9.1
2	I	623	GLY	9.1
2	l	55	THR	9.1
1	c	614	ALA	9.1
2	H	1961	GLU	9.0
1	F	227	SER	9.0
2	k	1911	THR	9.0
2	H	113	ASP	9.0
2	L	211	GLN	9.0
2	g	738	GLY	9.0
1	d	71	ALA	9.0
1	f	142	ASP	9.0
2	K	51	ASP	9.0
1	d	621	THR	9.0
2	l	1203	GLY	9.0
2	H	273	HIS	9.0
3	r	134	ASP	9.0
2	j	537	PRO	9.0
3	R	108	VAL	9.0
1	D	1064	ASN	8.9
1	f	328	LEU	8.9
2	h	1735	ALA	8.9
1	c	1433	HIS	8.9

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Mol	Chain	Res	Type	RSRZ
2	l	82	GLN	8.9
1	F	235	SER	8.9
1	f	238	PRO	8.9
2	I	1188	ASN	8.9
2	l	289	TRP	8.9
1	E	1728	SER	8.9
1	e	628	SER	8.9
1	A	876	GLY	8.9
1	b	1872	SER	8.9
2	l	1619	ASN	8.9
1	b	729	GLY	8.9
2	k	45	THR	8.8
2	H	1674	GLN	8.8
2	k	738	GLY	8.8
1	b	1762	GLU	8.8
1	C	1743	SER	8.8
2	J	52	ASP	8.8
2	L	1514	ASN	8.8
2	h	1956	ARG	8.8
1	d	1480	GLU	8.8
2	i	1477	ALA	8.8
2	g	40	ILE	8.8
1	D	403	ASP	8.8
2	i	660	GLN	8.8
1	F	33	ASP	8.8
2	H	738	GLY	8.8
2	l	542	GLY	8.8
2	l	1735	ALA	8.8
2	H	1962	ARG	8.8
1	F	50	SER	8.7
1	F	675	ASP	8.7
1	C	1768	GLY	8.7
1	d	260	ARG	8.7
2	L	1735	ALA	8.7
1	f	1178	ALA	8.7
2	L	531	GLY	8.7
3	O	4	ALA	8.7
2	I	1510	ALA	8.7
2	H	1324	ASP	8.7
1	b	169	SER	8.7
2	l	447	ASN	8.7
2	H	445	LYS	8.7

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Mol	Chain	Res	Type	RSRZ
1	B	972	SER	8.6
1	C	212	THR	8.6
1	e	974	ASP	8.6
1	c	40	ASN	8.6
2	I	596	GLY	8.6
2	J	47	GLY	8.6
2	J	1510	ALA	8.6
1	d	1794	GLN	8.6
3	p	146	ASN	8.6
1	A	1743	SER	8.5
3	O	147	SER	8.5
3	q	3	SER	8.5
1	d	174	ASP	8.5
2	H	974	ASP	8.5
1	D	540	GLN	8.5
1	F	237	MET	8.5
2	g	531	GLY	8.5
1	F	985	ARG	8.5
1	d	152	HIS	8.5
2	k	313	ALA	8.5
1	F	236	LYS	8.5
2	K	1883	GLY	8.5
2	L	1513	GLY	8.5
2	j	1881	ARG	8.5
2	k	1851	ASN	8.5
2	I	1099	ALA	8.5
2	j	1056	GLY	8.5
1	C	1479	SER	8.5
1	f	1433	HIS	8.5
2	H	238	CYS	8.5
2	H	49	ALA	8.4
2	K	449	SER	8.4
2	i	55	THR	8.4
1	d	1083	PRO	8.4
2	j	1902	GLY	8.4
1	C	459	ASP	8.4
2	g	51	ASP	8.4
1	b	515	PRO	8.4
2	k	47	GLY	8.4
3	N	146	ASN	8.4
2	I	1948	SER	8.4
3	O	150	ILE	8.4

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Mol	Chain	Res	Type	RSRZ
2	K	2034	GLY	8.4
1	F	972	SER	8.4
1	C	1064	ASN	8.3
2	k	596	GLY	8.3
2	l	531	GLY	8.3
2	l	1625	SER	8.3
2	h	55	THR	8.3
2	g	1887	GLU	8.3
3	O	6	GLY	8.3
1	E	95	SER	8.3
1	d	1721	ARG	8.3
1	A	816	GLU	8.3
2	h	623	GLY	8.3
2	H	1894	GLU	8.3
1	D	1853	GLY	8.3
1	b	1863	GLY	8.3
1	f	140	ILE	8.3
1	c	1848	ALA	8.3
1	e	1475	GLU	8.3
3	p	30	GLN	8.3
1	E	1846	ALA	8.2
1	d	1139	GLU	8.2
2	l	44	PRO	8.2
2	g	21	LEU	8.2
2	j	938	TRP	8.2
2	H	1559	ASP	8.2
1	E	169	SER	8.2
2	j	1903	ASP	8.2
2	g	140	LYS	8.2
3	q	140	VAL	8.2
1	c	540	GLN	8.2
2	H	1957	PRO	8.2
2	j	596	GLY	8.2
2	G	1721	PHE	8.1
2	l	1923	ASP	8.1
1	C	73	SER	8.1
2	H	1860	GLY	8.1
2	I	440	ASN	8.1
2	H	1202	GLN	8.1
1	F	1768	GLY	8.1
1	F	188	GLY	8.1
2	J	1200	PRO	8.1

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Mol	Chain	Res	Type	RSRZ
2	l	1094	GLU	8.1
1	F	49	PRO	8.1
2	G	559	PRO	8.1
2	H	1583	MET	8.1
2	h	1957	PRO	8.1
2	G	141	SER	8.1
3	M	3	SER	8.1
2	I	1229	MET	8.1
2	H	1721	PHE	8.1
2	I	153	ASN	8.1
2	G	79	GLN	8.0
2	H	279	THR	8.0
1	C	1846	ALA	8.0
1	D	973	ALA	8.0
2	l	86	LEU	8.0
2	g	2050	GLN	8.0
1	B	284	LYS	8.0
1	D	1066	ASN	8.0
1	E	972	SER	8.0
1	b	1820	PHE	8.0
2	j	64	PHE	8.0
3	M	146	ASN	7.9
1	E	167	PRO	7.9
1	C	1767	GLY	7.9
2	j	911	ALA	7.9
2	G	401	GLY	7.9
1	a	1720	ALA	7.9
1	A	651	TYR	7.9
1	d	261	GLN	7.9
2	j	442	ASP	7.9
2	h	810	GLU	7.9
3	O	141	ASP	7.9
2	l	45	THR	7.9
2	j	131	ILE	7.9
2	k	82	GLN	7.9
1	b	1179	LEU	7.9
2	G	81	ASP	7.8
2	L	1083	LYS	7.8
2	l	556	LYS	7.8
3	q	146	ASN	7.8
2	L	645	SER	7.8
1	d	1135	GLU	7.8

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Mol	Chain	Res	Type	RSRZ
1	F	520	ARG	7.8
2	k	1761	SER	7.8
2	i	531	GLY	7.8
1	B	285	ALA	7.8
1	B	973	ALA	7.8
2	I	1548	SER	7.8
2	h	992	GLU	7.8
3	o	22	GLY	7.8
2	H	1161	GLN	7.8
2	l	1178	GLN	7.8
2	l	1200	PRO	7.8
1	D	1074	GLY	7.8
2	I	273	HIS	7.8
1	B	606	ASP	7.8
2	h	1861	ARG	7.8
2	I	595	PRO	7.7
2	I	1881	ARG	7.7
1	d	262	ASP	7.7
2	i	738	GLY	7.7
2	h	1477	ALA	7.7
1	C	363	LYS	7.7
2	i	1056	GLY	7.7
1	B	520	ARG	7.7
2	i	1881	ARG	7.7
2	H	1216	GLU	7.7
2	g	1226	ASN	7.7
2	j	598	THR	7.7
1	D	632	ARG	7.7
3	O	29	ALA	7.7
3	p	147	SER	7.7
2	I	644	GLY	7.7
2	G	1619	ASN	7.7
2	I	462	THR	7.7
2	L	1042	ALA	7.6
2	J	1164	MET	7.6
2	l	141	SER	7.6
1	d	1675	ALA	7.6
2	i	1735	ALA	7.6
3	Q	146	ASN	7.6
2	J	53	GLU	7.6
2	J	1923	ASP	7.6
2	i	770	GLY	7.6

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Mol	Chain	Res	Type	RSRZ
2	j	1957	PRO	7.6
3	O	25	ASP	7.6
1	E	141	ALA	7.6
1	e	1497	ALA	7.6
2	I	1947	ALA	7.6
1	A	1729	GLY	7.6
1	D	177	GLY	7.6
2	J	401	GLY	7.6
1	D	363	LYS	7.6
2	I	477	GLU	7.6
2	K	211	GLN	7.6
2	l	1135	GLU	7.6
2	L	44	PRO	7.6
2	I	1145	SER	7.6
3	p	29	ALA	7.6
1	C	1	MET	7.6
2	k	1902	GLY	7.6
2	I	382	PRO	7.6
2	J	1438	SER	7.5
2	l	1323	MET	7.6
2	i	1949	LYS	7.5
2	H	21	LEU	7.5
1	b	50	SER	7.5
1	F	231	ARG	7.5
3	p	108	VAL	7.5
2	j	945	THR	7.5
2	K	1848	GLY	7.5
1	C	782	GLU	7.5
2	H	2050	GLN	7.5
1	A	1433	HIS	7.5
2	g	596	GLY	7.5
2	K	48	PHE	7.5
2	k	49	ALA	7.5
1	A	443	SER	7.5
2	H	142	ASN	7.5
1	b	519	VAL	7.5
1	e	261	GLN	7.5
2	h	1885	LEU	7.5
2	H	114	THR	7.5
2	L	1911	THR	7.5
2	k	1629	VAL	7.5
2	l	381	GLY	7.5

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Mol	Chain	Res	Type	RSRZ
1	b	495	LYS	7.5
1	b	817	THR	7.4
1	E	235	SER	7.4
1	a	981	GLU	7.4
2	K	26	SER	7.4
2	j	1477	ALA	7.4
1	f	520	ARG	7.4
1	b	814	GLY	7.4
1	D	1071	PRO	7.4
1	b	603	ASP	7.4
2	I	1945	ASP	7.4
1	E	181	THR	7.4
1	F	978	ALA	7.4
3	m	3	SER	7.4
1	E	857	SER	7.4
1	b	728	LYS	7.4
2	l	1305	GLY	7.4
1	F	280	GLU	7.4
1	c	30	GLU	7.4
2	H	462	THR	7.4
2	L	1740	THR	7.4
1	e	857	SER	7.4
1	b	285	ALA	7.4
2	l	1932	SER	7.4
1	C	1865	THR	7.4
2	l	504	PHE	7.4
1	D	520	ARG	7.4
1	e	263	GLY	7.3
2	K	477	GLU	7.3
3	O	140	VAL	7.3
1	D	1570	ASN	7.3
2	G	1226	ASN	7.3
2	H	1241	ASN	7.3
2	I	1146	GLU	7.3
3	o	21	SER	7.3
3	n	146	ASN	7.3
1	c	605	LEU	7.3
1	B	743	GLN	7.3
3	p	136	ASP	7.3
2	I	410	SER	7.3
2	K	1510	ALA	7.3
2	H	770	GLY	7.3

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Mol	Chain	Res	Type	RSRZ
2	h	363	GLY	7.3
1	A	1788	GLU	7.3
1	B	239	GLY	7.3
2	G	564	GLU	7.3
2	k	795	PRO	7.3
2	G	1864	ALA	7.3
1	F	817	THR	7.3
1	d	1088	ASP	7.3
3	q	18	THR	7.3
2	K	269	GLY	7.3
2	h	1107	SER	7.2
3	Q	147	SER	7.2
1	c	359	ARG	7.2
2	I	99	ASN	7.2
1	A	983	GLN	7.2
2	g	810	GLU	7.2
2	l	1176	PRO	7.2
1	B	519	VAL	7.2
2	K	452	ALA	7.2
2	l	1368	VAL	7.2
2	L	1164	MET	7.2
2	J	1473	THR	7.2
2	k	55	THR	7.2
2	l	1931	LEU	7.2
1	C	1078	SER	7.2
1	a	169	SER	7.2
3	m	21	SER	7.2
1	a	613	VAL	7.2
2	I	150	GLY	7.2
3	m	78	ASP	7.2
2	I	211	GLN	7.2
2	K	504	PHE	7.2
2	H	540	ASP	7.2
2	h	1761	SER	7.2
1	e	953	VAL	7.2
2	i	1484	LYS	7.2
3	r	29	ALA	7.2
1	a	816	GLU	7.2
2	j	1885	LEU	7.2
2	k	1946	GLU	7.2
1	d	20	TYR	7.2
1	C	148	SER	7.2

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Mol	Chain	Res	Type	RSRZ
2	H	504	PHE	7.2
1	C	1772	ASP	7.2
1	B	1800	SER	7.2
1	F	1884	SER	7.2
2	l	1536	PRO	7.2
2	J	1455	GLU	7.2
3	p	104	GLU	7.2
2	h	2034	GLY	7.1
2	g	1417	THR	7.1
2	i	1042	ALA	7.1
2	l	551	THR	7.1
2	L	1505	ASP	7.1
3	R	138	SER	7.1
1	F	1337	GLU	7.1
2	I	1477	ALA	7.1
1	e	238	PRO	7.1
2	J	54	PRO	7.1
2	K	55	THR	7.1
1	C	1886	LYS	7.1
1	F	1433	HIS	7.1
1	a	728	LYS	7.1
1	E	1794	GLN	7.1
3	P	3	SER	7.1
2	l	90	GLU	7.1
1	A	771	PHE	7.1
2	K	42	PRO	7.1
1	D	628	SER	7.1
2	L	1923	ASP	7.1
3	O	134	ASP	7.1
2	g	1946	GLU	7.1
2	H	1851	ASN	7.1
1	e	973	ALA	7.1
2	i	598	THR	7.1
2	l	802	GLY	7.1
1	A	207	GLU	7.1
1	C	1810	ALA	7.1
2	g	1882	THR	7.1
2	i	279	THR	7.1
3	r	137	ASN	7.0
2	I	772	GLY	7.0
2	I	163	GLN	7.0
1	E	816	GLU	7.0

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Mol	Chain	Res	Type	RSRZ
2	H	1369	GLY	7.0
2	I	285	GLU	7.0
2	g	1693	ARG	7.0
2	J	1475	LYS	7.0
2	g	474	SER	7.0
2	j	1042	ALA	7.0
2	J	55	THR	7.0
2	J	1471	GLU	7.0
2	H	1548	SER	7.0
1	D	1083	PRO	7.0
2	g	941	VAL	7.0
2	k	1953	VAL	7.0
3	r	142	VAL	7.0
2	G	1938	GLY	7.0
1	B	505	LYS	7.0
1	F	816	GLU	7.0
2	k	1805	ALA	7.0
1	E	234	SER	7.0
1	c	974	ASP	7.0
2	K	1945	ASP	7.0
3	q	141	ASP	7.0
1	b	55	GLY	7.0
2	h	596	GLY	7.0
2	l	554	GLY	7.0
2	j	1741	ILE	7.0
3	o	146	ASN	7.0
1	C	254	TRP	7.0
2	I	1042	ALA	7.0
1	C	30	GLU	7.0
2	j	845	THR	7.0
2	L	1323	MET	7.0
1	c	970	GLY	7.0
2	G	1156	CYS	7.0
3	O	111	LYS	7.0
1	a	1379	ALA	7.0
2	I	2049	GLU	7.0
2	j	906	THR	7.0
1	C	169	SER	7.0
1	b	857	SER	7.0
1	a	1721	ARG	6.9
2	I	424	ALA	6.9
2	h	1851	ASN	6.9

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Mol	Chain	Res	Type	RSRZ
3	P	146	ASN	6.9
2	G	930	MET	6.9
1	B	610	THR	6.9
2	g	614	GLY	6.9
2	g	622	GLY	6.9
2	i	1470	THR	6.9
1	C	986	ALA	6.9
2	l	537	PRO	6.9
3	R	104	GLU	6.9
2	J	1422	THR	6.9
1	B	1766	ASN	6.9
3	r	139	ASN	6.9
2	H	275	GLN	6.9
1	D	633	GLU	6.9
1	d	1236	LYS	6.9
2	k	206	GLU	6.9
2	G	699	GLY	6.9
2	K	1902	GLY	6.9
2	G	1422	THR	6.9
2	h	1952	ALA	6.9
3	R	143	VAL	6.9
2	K	1884	TRP	6.9
1	c	541	PRO	6.9
3	O	148	ILE	6.9
2	g	1227	ARG	6.9
2	k	1881	ARG	6.9
1	f	1432	HIS	6.9
2	l	530	ALA	6.9
2	g	1162	ASP	6.9
2	j	481	ASP	6.9
2	I	316	ASN	6.9
2	I	802	GLY	6.9
2	j	504	PHE	6.9
1	C	502	ALA	6.9
1	F	141	ALA	6.9
2	I	1189	THR	6.9
2	H	95	TYR	6.9
2	K	329	GLU	6.9
2	l	1561	ASN	6.9
3	Q	142	VAL	6.9
2	G	616	THR	6.9
2	l	1922	ILE	6.8

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Mol	Chain	Res	Type	RSRZ
2	G	400	SER	6.8
1	b	214	GLN	6.8
1	c	617	PRO	6.8
2	h	622	GLY	6.8
1	C	211	GLU	6.8
1	f	285	ALA	6.8
2	h	598	THR	6.8
2	G	1548	SER	6.8
2	I	1902	GLY	6.8
1	C	1764	VAL	6.8
2	j	312	GLU	6.8
2	l	563	GLU	6.8
2	l	84	LEU	6.8
1	f	632	ARG	6.8
3	p	33	THR	6.8
2	G	596	GLY	6.8
2	G	1091	GLY	6.8
1	A	603	ASP	6.8
1	C	1713	ASP	6.8
2	l	21	LEU	6.8
2	l	105	ALA	6.8
1	b	52	THR	6.8
2	L	675	PRO	6.8
2	g	42	PRO	6.8
1	B	1868	LYS	6.8
2	G	790	ASP	6.8
2	l	534	ASP	6.8
1	D	1178	ALA	6.8
2	l	759	ARG	6.8
2	j	1882	THR	6.8
2	I	1207	PRO	6.8
2	g	537	PRO	6.8
1	B	1337	GLU	6.8
2	H	2046	GLU	6.8
2	l	129	ALA	6.8
1	e	881	ASN	6.8
2	l	128	THR	6.8
2	J	1481	SER	6.8
2	H	531	GLY	6.8
2	i	596	GLY	6.7
3	O	113	GLY	6.7
2	g	1303	ALA	6.7

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Mol	Chain	Res	Type	RSRZ
2	j	55	THR	6.7
2	k	43	GLU	6.7
2	L	51	ASP	6.7
2	j	1677	GLY	6.7
2	H	1226	ASN	6.7
1	f	253	ARG	6.7
2	g	1885	LEU	6.7
1	b	234	SER	6.7
1	d	1262	LYS	6.7
1	e	1081	LYS	6.7
2	g	645	SER	6.7
2	g	805	VAL	6.7
2	h	1850	SER	6.7
3	q	147	SER	6.7
1	E	836	ASP	6.7
2	l	597	MET	6.7
1	C	362	LEU	6.7
2	k	900	GLN	6.7
2	K	52	ASP	6.7
1	a	984	PRO	6.7
2	G	458	PRO	6.7
2	K	434	PRO	6.7
2	j	482	CYS	6.7
1	d	1570	ASN	6.7
1	D	1172	THR	6.7
1	F	501	THR	6.7
2	L	1451	GLN	6.7
1	d	1735	SER	6.7
2	G	373	GLY	6.7
2	l	1930	SER	6.7
2	h	418	ASN	6.7
2	G	456	GLN	6.7
2	h	367	GLU	6.7
1	F	234	SER	6.7
2	I	740	HIS	6.7
2	k	595	PRO	6.7
1	B	974	ASP	6.7
1	D	1616	LYS	6.7
2	G	374	ALA	6.7
2	J	1477	ALA	6.7
2	K	268	LYS	6.7
2	i	1160	THR	6.6

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Mol	Chain	Res	Type	RSRZ
1	C	152	HIS	6.6
2	I	1442	ALA	6.6
2	L	979	ALA	6.6
1	d	1840	VAL	6.6
1	E	1663	GLY	6.6
2	K	596	GLY	6.6
2	k	179	THR	6.6
1	C	1721	ARG	6.6
2	H	2012	PRO	6.6
1	b	494	ALA	6.6
1	d	620	SER	6.6
1	e	33	ASP	6.6
1	F	979	GLN	6.6
1	a	1570	ASN	6.6
1	c	1780	ASN	6.6
2	H	99	ASN	6.6
1	D	1792	THR	6.6
2	G	1227	ARG	6.6
2	j	756	LYS	6.6
2	k	1042	ALA	6.6
1	c	148	SER	6.6
1	D	362	LEU	6.6
2	I	1954	LYS	6.6
2	j	456	GLN	6.6
3	M	137	ASN	6.6
2	L	43	GLU	6.6
1	A	865	CYS	6.6
2	k	1901	ALA	6.6
2	H	1902	GLY	6.6
1	b	516	ARG	6.6
2	h	812	LYS	6.6
1	e	540	GLN	6.6
2	j	136	PRO	6.6
2	i	1882	THR	6.6
1	f	1542	HIS	6.6
2	G	1308	CYS	6.6
2	G	449	SER	6.6
1	b	236	LYS	6.6
2	k	1668	GLY	6.6
1	C	984	PRO	6.6
1	c	300	VAL	6.6
1	e	613	VAL	6.6

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Mol	Chain	Res	Type	RSRZ
2	H	488	VAL	6.6
2	K	313	ALA	6.6
2	g	94	CYS	6.6
1	E	879	SER	6.6
1	F	262	ASP	6.6
2	L	900	GLN	6.6
2	g	49	ALA	6.5
1	d	287	LEU	6.5
1	d	284	LYS	6.5
1	A	73	SER	6.5
3	r	136	ASP	6.5
1	B	1797	GLU	6.5
1	a	1719	LEU	6.5
2	G	142	ASN	6.5
2	L	418	ASN	6.5
2	H	132	MET	6.5
2	I	245	GLN	6.5
2	K	1741	ILE	6.5
2	h	1843	PRO	6.5
2	k	1147	ILE	6.5
2	l	1945	ASP	6.5
2	k	2002	LYS	6.5
2	I	249	TYR	6.5
2	H	115	THR	6.5
1	D	234	SER	6.5
1	a	165	SER	6.5
2	K	1536	PRO	6.5
2	g	829	ASP	6.5
2	K	53	GLU	6.5
2	K	1905	ARG	6.5
2	j	518	ARG	6.5
3	p	110	ARG	6.5
1	d	271	ASN	6.5
2	g	1581	HIS	6.5
1	D	872	THR	6.5
2	J	301	THR	6.5
2	J	738	GLY	6.5
2	j	462	THR	6.5
1	A	972	SER	6.5
2	H	1140	LYS	6.5
2	I	837	LYS	6.5
1	A	292	GLN	6.5

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Mol	Chain	Res	Type	RSRZ
1	f	540	GLN	6.5
2	h	211	GLN	6.5
2	l	95	TYR	6.5
1	F	1570	ASN	6.5
1	c	1066	ASN	6.5
1	b	1828	LEU	6.5
1	b	1348	ALA	6.5
2	i	79	GLN	6.5
2	l	1202	GLN	6.5
1	F	492	ASP	6.5
1	f	675	ASP	6.5
2	l	81	ASP	6.5
1	C	1433	HIS	6.5
1	e	178	GLY	6.5
1	e	1828	LEU	6.5
2	g	1884	TRP	6.5
2	g	142	ASN	6.5
2	k	1949	LYS	6.5
2	H	1042	ALA	6.5
2	j	510	SER	6.5
2	L	1615	MET	6.4
1	a	170	LYS	6.4
2	K	598	THR	6.4
2	i	1227	ARG	6.4
1	c	1294	SER	6.4
1	d	1884	SER	6.4
2	k	48	PHE	6.4
2	k	1603	SER	6.4
2	I	269	GLY	6.4
2	l	1136	GLU	6.4
1	B	1412	ASP	6.4
1	f	152	HIS	6.4
2	H	1741	ILE	6.4
1	b	167	PRO	6.4
2	h	939	PHE	6.4
1	E	277	LEU	6.4
1	C	1414	ILE	6.4
2	l	564	GLU	6.4
2	g	509	ALA	6.4
1	C	1843	ASN	6.4
2	g	551	THR	6.4
2	L	1503	ILE	6.4

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Mol	Chain	Res	Type	RSRZ
2	l	557	LYS	6.4
1	a	929	GLY	6.4
3	N	3	SER	6.4
1	b	612	GLU	6.4
1	c	358	GLU	6.4
1	c	606	ASP	6.4
1	e	515	PRO	6.4
1	A	181	THR	6.4
2	H	1323	MET	6.4
2	h	1860	GLY	6.4
2	H	405	SER	6.4
1	E	973	ALA	6.4
1	a	254	TRP	6.4
3	R	141	ASP	6.4
1	e	237	MET	6.4
2	j	1307	ASN	6.4
2	k	1241	ASN	6.4
2	L	55	THR	6.4
1	B	1369	ALA	6.4
1	c	520	ARG	6.4
2	k	1863	ALA	6.4
2	H	1192	LYS	6.4
2	k	1083	LYS	6.4
1	c	63	ASN	6.4
2	G	1726	GLY	6.4
2	H	598	THR	6.4
2	H	1478	ASN	6.4
2	l	47	GLY	6.4
1	B	150	LEU	6.4
1	C	1337	GLU	6.4
2	G	1042	ALA	6.4
1	D	1321	SER	6.4
1	d	1261	PHE	6.3
1	A	189	ASP	6.3
1	B	1333	ASP	6.3
2	H	131	ILE	6.3
2	G	588	GLY	6.3
1	f	330	GLU	6.3
2	g	618	GLU	6.3
2	l	1585	SER	6.3
1	b	51	PRO	6.3
1	a	1381	GLY	6.3

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Mol	Chain	Res	Type	RSRZ
2	I	162	GLY	6.3
2	I	737	GLY	6.3
2	g	557	LYS	6.3
1	a	1488	GLU	6.3
2	J	1862	VAL	6.3
1	a	615	SER	6.3
2	l	535	ILE	6.3
3	r	147	SER	6.3
1	C	1083	PRO	6.3
1	F	238	PRO	6.3
2	I	2048	TYR	6.3
2	K	1105	GLY	6.3
2	g	1938	GLY	6.3
2	k	219	LEU	6.3
2	L	1915	ASN	6.3
2	k	1915	ASN	6.3
1	A	1860	GLU	6.3
1	F	1817	GLU	6.3
1	B	499	PRO	6.3
1	a	1433	HIS	6.3
1	B	605	LEU	6.3
1	f	1744	TYR	6.3
2	h	531	GLY	6.3
2	k	1959	LYS	6.3
2	l	456	GLN	6.3
2	G	1760	THR	6.3
2	H	1479	ILE	6.3
2	j	301	THR	6.3
1	D	499	PRO	6.3
1	B	249	TYR	6.3
2	k	770	GLY	6.3
1	c	925	ASP	6.3
2	H	1748	THR	6.3
2	I	1226	ASN	6.3
2	K	119	THR	6.3
2	k	1226	ASN	6.3
2	l	390	ASN	6.3
1	E	1517	PRO	6.3
2	K	312	GLU	6.3
2	l	312	GLU	6.3
1	C	1322	GLY	6.3
2	H	460	TYR	6.3

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Mol	Chain	Res	Type	RSRZ
1	e	600	ASP	6.3
1	E	621	THR	6.3
1	a	1838	GLU	6.3
2	j	1904	LEU	6.3
1	a	1432	HIS	6.3
1	d	1068	LYS	6.2
2	g	1949	LYS	6.2
2	l	162	GLY	6.2
2	H	291	SER	6.2
2	I	449	SER	6.2
2	g	400	SER	6.2
2	h	1344	ASP	6.2
1	C	1488	GLU	6.2
1	b	1860	GLU	6.2
2	I	210	THR	6.2
2	j	812	LYS	6.2
3	O	146	ASN	6.2
2	j	699	GLY	6.2
2	j	1548	SER	6.2
1	C	262	ASP	6.2
2	G	1344	ASP	6.2
2	H	81	ASP	6.2
2	i	458	PRO	6.2
1	d	1142	GLU	6.2
1	c	255	GLY	6.2
3	q	139	ASN	6.2
1	C	1720	ALA	6.2
2	I	425	SER	6.2
1	F	277	LEU	6.2
2	J	2050	GLN	6.2
2	H	711	ASP	6.2
2	k	616	THR	6.2
1	E	1007	ALA	6.2
1	B	1870	SER	6.2
2	L	1481	SER	6.2
2	j	1057	PRO	6.2
2	k	1559	ASP	6.2
1	D	854	HIS	6.2
2	I	804	ARG	6.2
2	k	1861	ARG	6.2
2	h	1884	TRP	6.2
2	j	1596	TRP	6.2

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Mol	Chain	Res	Type	RSRZ
2	k	1164	MET	6.2
2	H	129	ALA	6.2
2	I	279	THR	6.2
2	K	1882	THR	6.2
2	g	1495	THR	6.2
1	c	1079	LYS	6.2
2	I	645	SER	6.2
2	J	1772	SER	6.2
1	A	254	TRP	6.2
1	B	541	PRO	6.2
2	H	1938	GLY	6.2
2	L	861	GLY	6.2
2	j	1958	LEU	6.2
1	C	1156	GLU	6.2
1	e	1496	GLU	6.2
2	K	49	ALA	6.2
1	b	1433	HIS	6.2
1	d	1428	THR	6.2
2	L	1683	THR	6.2
2	L	1748	THR	6.2
3	R	146	ASN	6.2
1	c	27	ARG	6.1
2	h	238	CYS	6.1
2	k	1956	ARG	6.1
2	H	82	GLN	6.1
2	j	490	TRP	6.1
2	j	968	GLN	6.1
1	d	1797	GLU	6.1
3	m	134	ASP	6.1
1	F	1841	ARG	6.1
2	k	1166	VAL	6.1
2	k	509	ALA	6.1
2	l	1352	HIS	6.1
1	D	1187	GLY	6.1
2	I	242	GLY	6.1
2	j	2050	GLN	6.1
2	k	1952	ALA	6.1
1	B	1817	GLU	6.1
1	b	1873	HIS	6.1
1	F	672	THR	6.1
1	d	1076	VAL	6.1
1	B	1759	MET	6.1

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Mol	Chain	Res	Type	RSRZ
2	G	418	ASN	6.1
2	K	2013	ASN	6.1
2	K	1949	LYS	6.1
1	C	743	GLN	6.1
1	b	258	SER	6.1
2	L	911	ALA	6.1
2	i	456	GLN	6.1
3	M	147	SER	6.1
1	A	632	ARG	6.1
1	C	1712	GLU	6.1
1	F	1436	VAL	6.1
1	c	1113	GLY	6.1
2	k	614	GLY	6.1
3	p	137	ASN	6.1
1	C	1833	ALA	6.1
1	f	1348	ALA	6.1
2	J	968	GLN	6.1
1	C	443	SER	6.1
1	E	270	SER	6.1
3	o	147	SER	6.1
2	i	1905	ARG	6.1
2	l	309	ARG	6.1
1	f	633	GLU	6.1
2	H	1126	VAL	6.1
2	L	2042	ILE	6.1
2	L	47	GLY	6.1
2	j	279	THR	6.1
2	K	1042	ALA	6.1
2	l	67	TYR	6.1
3	r	146	ASN	6.1
1	D	1180	ARG	6.1
1	e	1841	ARG	6.1
2	g	1839	GLN	6.1
1	d	879	SER	6.1
2	I	1958	LEU	6.1
2	L	160	PHE	6.1
2	L	1446	SER	6.1
1	b	521	LYS	6.1
1	B	33	ASP	6.1
2	K	458	PRO	6.1
2	h	1748	THR	6.0
2	j	509	ALA	6.0

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Mol	Chain	Res	Type	RSRZ
1	A	175	LEU	6.0
1	c	927	ASN	6.0
1	e	260	ARG	6.0
2	H	255	LEU	6.0
2	j	1912	ASN	6.0
2	l	125	ASN	6.0
2	I	155	GLN	6.0
2	l	993	GLN	6.0
2	l	1928	GLN	6.0
1	a	148	SER	6.0
2	k	182	VAL	6.0
1	B	152	HIS	6.0
2	I	1956	ARG	6.0
1	a	1351	ASN	6.0
1	e	1610	ASN	6.0
2	I	1692	ASN	6.0
3	Q	148	ILE	6.0
1	C	1076	VAL	6.0
2	G	1084	LYS	6.0
1	C	1338	GLU	6.0
1	D	152	HIS	6.0
2	l	1660	PRO	6.0
2	J	911	ALA	6.0
2	j	204	ASP	6.0
1	b	610	THR	6.0
1	B	63	ASN	6.0
1	b	173	LYS	6.0
1	c	292	GLN	6.0
2	G	245	GLN	6.0
2	H	456	GLN	6.0
2	I	996	ASN	6.0
2	g	962	LYS	6.0
2	k	1161	GLN	6.0
2	l	110	GLN	6.0
1	B	1488	GLU	6.0
1	a	1850	GLU	6.0
2	g	43	GLU	6.0
2	k	1754	GLU	6.0
2	l	1581	HIS	6.0
2	G	565	TYR	6.0
2	l	126	TYR	6.0
3	R	107	THR	6.0

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Mol	Chain	Res	Type	RSRZ
2	H	968	GLN	6.0
3	R	105	GLN	6.0
1	A	263	GLY	6.0
1	e	239	GLY	6.0
2	H	272	GLY	6.0
2	H	1101	GLU	6.0
1	a	1542	HIS	6.0
2	i	504	PHE	6.0
2	I	268	LYS	6.0
2	h	602	VAL	6.0
2	i	1175	LYS	6.0
1	E	301	ASP	6.0
1	b	925	ASP	6.0
1	e	1836	ASP	6.0
2	L	1908	ASP	6.0
1	F	1197	THR	6.0
2	I	646	THR	6.0
2	l	598	THR	6.0
1	B	1780	ASN	6.0
1	F	1838	GLU	6.0
2	I	855	HIS	6.0
2	J	44	PRO	6.0
2	l	469	ARG	6.0
1	a	140	ILE	6.0
2	g	1954	LYS	6.0
2	i	831	LYS	6.0
1	b	174	ASP	6.0
1	c	328	LEU	6.0
1	E	1647	GLY	6.0
2	H	2044	ASN	6.0
2	I	98	GLY	6.0
2	K	622	GLY	6.0
1	b	202	GLU	6.0
2	i	736	ARG	6.0
2	k	1183	GLU	6.0
2	k	1905	ARG	6.0
1	D	972	SER	6.0
1	c	1517	PRO	6.0
1	b	674	LYS	6.0
2	h	639	SER	6.0
2	i	1157	SER	6.0
2	j	1438	SER	6.0

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Mol	Chain	Res	Type	RSRZ
2	j	2016	ALA	6.0
2	L	930	MET	6.0
2	h	1323	MET	6.0
1	D	288	ASP	5.9
1	c	1003	GLN	5.9
1	a	985	ARG	5.9
2	J	1305	GLY	5.9
2	L	161	GLY	5.9
2	k	678	PHE	5.9
2	l	1582	GLY	5.9
1	C	812	ALA	5.9
1	D	144	PRO	5.9
1	c	971	ASN	5.9
1	c	1570	ASN	5.9
1	e	502	ALA	5.9
2	H	506	PRO	5.9
2	K	2049	GLU	5.9
2	i	689	GLU	5.9
2	j	44	PRO	5.9
3	p	3	SER	5.9
1	C	1719	LEU	5.9
2	I	533	LEU	5.9
1	C	1209	ASP	5.9
2	G	776	ASP	5.9
3	N	141	ASP	5.9
1	B	1066	ASN	5.9
2	K	451	ASN	5.9
2	H	769	SER	5.9
2	J	596	GLY	5.9
2	j	207	LYS	5.9
2	j	542	GLY	5.9
2	j	1367	GLN	5.9
1	E	1534	ASP	5.9
1	d	288	ASP	5.9
1	d	1534	ASP	5.9
1	F	499	PRO	5.9
1	F	502	ALA	5.9
1	e	1073	THR	5.9
2	G	1160	THR	5.9
2	g	279	THR	5.9
2	l	464	ASP	5.9
2	K	590	PRO	5.9

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Mol	Chain	Res	Type	RSRZ
2	l	1303	ALA	5.9
1	C	287	LEU	5.9
1	c	1778	SER	5.9
2	H	1794	SER	5.9
2	I	2023	LYS	5.9
2	h	160	PHE	5.9
2	H	737	GLY	5.9
1	b	1679	ALA	5.9
2	L	52	ASP	5.9
2	k	1856	ALA	5.9
1	e	294	TYR	5.9
1	f	143	GLU	5.9
2	h	1352	HIS	5.9
2	i	1851	ASN	5.9
1	B	615	SER	5.9
1	d	24	SER	5.9
2	l	1167	SER	5.9
2	I	991	ARG	5.9
2	L	1163	LYS	5.9
2	G	1722	GLY	5.9
1	d	743	GLN	5.9
1	A	1497	ALA	5.9
2	J	1312	VAL	5.9
2	G	1298	TYR	5.9
3	p	107	THR	5.9
2	I	491	GLU	5.9
1	E	1734	ASN	5.9
2	H	1217	ASN	5.9
1	C	1508	TRP	5.9
1	e	236	LYS	5.9
1	e	1868	LYS	5.9
1	f	360	LYS	5.9
1	D	879	SER	5.9
1	a	1743	SER	5.9
2	j	759	ARG	5.9
1	c	865	CYS	5.9
2	H	1862	VAL	5.9
1	d	21	GLN	5.9
2	I	1180	MET	5.9
2	i	1510	ALA	5.9
1	F	515	PRO	5.9
2	H	494	THR	5.9

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Mol	Chain	Res	Type	RSRZ
2	g	538	ASP	5.9
1	B	1542	HIS	5.9
1	F	140	ILE	5.9
1	c	1854	ASN	5.9
2	K	832	TRP	5.9
1	E	1870	SER	5.9
2	i	1930	SER	5.9
2	L	1044	VAL	5.9
3	M	6	GLY	5.9
2	h	911	ALA	5.9
2	l	533	LEU	5.9
2	J	1161	GLN	5.9
1	C	886	GLU	5.8
2	G	1718	THR	5.8
2	H	549	ASP	5.8
2	g	830	ASP	5.8
3	M	107	THR	5.8
3	Q	141	ASP	5.8
2	i	1188	ASN	5.8
1	f	237	MET	5.8
2	I	196	SER	5.8
2	K	1952	ALA	5.8
2	l	63	LYS	5.8
2	h	504	PHE	5.8
2	G	285	GLU	5.8
2	l	114	THR	5.8
1	b	269	LEU	5.8
1	E	1570	ASN	5.8
2	H	996	ASN	5.8
1	d	1870	SER	5.8
1	e	1611	ALA	5.8
2	G	1037	SER	5.8
3	n	3	SER	5.8
2	i	44	PRO	5.8
1	e	505	LYS	5.8
1	A	520	ARG	5.8
1	d	1568	GLU	5.8
1	A	174	ASP	5.8
1	B	603	ASP	5.8
1	b	605	LEU	5.8
1	e	302	LEU	5.8
2	G	782	THR	5.8

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Mol	Chain	Res	Type	RSRZ
2	l	1908	ASP	5.8
3	P	101	ASP	5.8
1	B	1508	TRP	5.8
2	H	1229	MET	5.8
2	K	270	ALA	5.8
1	b	518	LYS	5.8
1	e	1499	SER	5.8
2	k	769	SER	5.8
2	l	2012	PRO	5.8
1	C	261	GLN	5.8
2	j	245	GLN	5.8
2	j	384	GLN	5.8
1	b	1871	ILE	5.8
1	e	243	ILE	5.8
2	H	1555	ARG	5.8
2	L	1479	ILE	5.8
1	F	221	LEU	5.8
1	A	152	HIS	5.8
1	a	1781	VAL	5.8
3	q	106	GLU	5.8
2	h	1581	HIS	5.8
2	l	644	GLY	5.8
2	l	1864	ALA	5.8
1	C	1763	LYS	5.8
2	j	1949	LYS	5.8
1	b	1510	ASN	5.8
2	H	418	ASN	5.8
2	H	1561	ASN	5.8
2	G	1761	SER	5.8
1	F	493	VAL	5.8
1	d	203	GLU	5.8
1	A	188	GLY	5.8
1	F	973	ALA	5.8
1	F	1209	ASP	5.8
1	d	1836	ASP	5.8
2	h	534	ASP	5.8
2	k	1923	ASP	5.8
2	h	1955	PRO	5.8
1	d	1662	TYR	5.8
1	e	1164	SER	5.8
2	I	367	GLU	5.8
2	l	1656	GLU	5.8

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Mol	Chain	Res	Type	RSRZ
1	A	281	ALA	5.8
1	D	871	TRP	5.8
2	K	210	THR	5.8
2	I	534	ASP	5.8
3	r	141	ASP	5.8
1	B	238	PRO	5.8
2	G	1159	ILE	5.8
2	I	458	PRO	5.8
2	L	458	PRO	5.8
2	l	42	PRO	5.8
2	K	75	SER	5.8
2	j	449	SER	5.8
1	E	729	GLY	5.7
2	I	1880	LYS	5.7
1	F	1497	ALA	5.7
2	H	1581	HIS	5.7
2	I	1270	TRP	5.7
1	E	873	ARG	5.7
1	f	605	LEU	5.7
2	L	1161	GLN	5.7
2	L	2013	ASN	5.7
1	A	1032	SER	5.7
1	B	289	SER	5.7
2	i	645	SER	5.7
2	i	699	GLY	5.7
2	H	1352	HIS	5.7
2	H	42	PRO	5.7
2	K	383	PRO	5.7
2	g	539	ASP	5.7
1	a	650	LYS	5.7
1	b	1884	SER	5.7
2	k	449	SER	5.7
1	F	498	GLY	5.7
2	I	542	GLY	5.7
2	l	614	GLY	5.7
2	j	1135	GLU	5.7
1	F	260	ARG	5.7
1	D	1803	PRO	5.7
2	H	1760	THR	5.7
2	G	745	ASP	5.7
2	g	643	LYS	5.7
1	E	821	GLN	5.7

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Mol	Chain	Res	Type	RSRZ
1	C	258	SER	5.7
1	E	258	SER	5.7
1	a	1374	ASN	5.7
1	a	1663	GLY	5.7
1	d	1351	ASN	5.7
1	c	362	LEU	5.7
1	c	1541	PHE	5.7
1	e	605	LEU	5.7
2	G	1510	ALA	5.7
2	L	1303	ALA	5.7
2	j	385	SER	5.7
2	j	937	SER	5.7
1	A	358	GLU	5.7
1	e	815	ILE	5.7
2	L	1445	ARG	5.7
2	K	1100	VAL	5.7
2	i	1176	PRO	5.7
2	G	1578	THR	5.7
2	I	1959	LYS	5.7
1	B	174	ASP	5.7
2	I	1453	ASP	5.7
2	I	82	GLN	5.7
1	C	1067	LEU	5.7
2	l	160	PHE	5.7
1	F	1416	ARG	5.7
2	h	1383	ASN	5.7
2	j	2013	ASN	5.7
2	k	1512	HIS	5.7
1	d	264	VAL	5.7
2	I	598	THR	5.7
3	Q	144	THR	5.7
2	L	504	PHE	5.7
1	F	1450	ARG	5.7
1	C	1765	SER	5.7
1	D	855	SER	5.7
2	L	1851	ASN	5.7
2	g	1035	TRP	5.7
1	d	257	PRO	5.7
2	H	254	LYS	5.7
2	i	430	HIS	5.7
2	l	1576	PRO	5.7
1	F	895	THR	5.7

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Mol	Chain	Res	Type	RSRZ
1	e	328	LEU	5.7
1	e	1191	THR	5.7
2	H	370	LEU	5.7
2	K	6	THR	5.7
1	A	492	ASP	5.7
1	B	876	GLY	5.7
1	a	240	GLY	5.7
2	g	2043	ASP	5.7
3	r	6	GLY	5.7
2	h	1905	ARG	5.7
2	i	1841	ALA	5.7
1	c	64	LYS	5.6
2	L	996	ASN	5.6
2	h	1035	TRP	5.6
1	d	256	LEU	5.6
2	k	939	PHE	5.6
1	e	872	THR	5.6
2	g	6	THR	5.6
1	c	1007	ALA	5.6
1	d	540	GLN	5.6
2	g	1947	ALA	5.6
2	i	82	GLN	5.6
2	H	1230	ASP	5.6
2	j	467	ASP	5.6
2	l	538	ASP	5.6
2	l	1370	ASP	5.6
2	G	1166	VAL	5.6
1	F	258	SER	5.6
1	a	152	HIS	5.6
1	c	499	PRO	5.6
1	e	1442	ASN	5.6
2	I	289	TRP	5.6
2	K	1200	PRO	5.6
2	h	1895	ASN	5.6
2	i	1167	SER	5.6
2	l	59	GLU	5.6
2	l	612	ASN	5.6
2	l	1641	GLU	5.6
2	i	1298	TYR	5.6
2	K	238	CYS	5.6
1	E	1841	ARG	5.6
1	d	178	GLY	5.6

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Mol	Chain	Res	Type	RSRZ
2	L	1905	ARG	5.6
2	h	737	GLY	5.6
1	b	1792	THR	5.6
1	c	1229	THR	5.6
1	e	723	ALA	5.6
1	f	880	ALA	5.6
1	f	1369	ALA	5.6
2	g	1042	ALA	5.6
2	I	467	ASP	5.6
1	b	664	GLU	5.6
2	I	1671	SER	5.6
2	K	1851	ASN	5.6
2	j	273	HIS	5.6
2	j	1561	ASN	5.6
2	l	85	ASN	5.6
3	N	52	TYR	5.6
3	m	52	TYR	5.6
2	I	160	PHE	5.6
2	J	131	ILE	5.6
1	f	1322	GLY	5.6
2	H	1215	LYS	5.6
3	o	4	ALA	5.6
1	A	821	GLN	5.6
2	H	245	GLN	5.6
2	I	488	VAL	5.6
2	L	845	THR	5.6
2	L	1051	THR	5.6
2	h	245	GLN	5.6
2	i	245	GLN	5.6
2	l	1367	GLN	5.6
1	a	1333	ASP	5.6
2	K	1958	LEU	5.6
2	l	65	LEU	5.6
1	A	1337	GLU	5.6
1	C	35	PHE	5.6
1	c	1743	SER	5.6
2	J	1851	ASN	5.6
2	k	1511	SER	5.6
1	E	27	ARG	5.6
2	H	406	ARG	5.6
1	D	360	LYS	5.6
1	D	1824	GLY	5.6

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Mol	Chain	Res	Type	RSRZ
2	G	1862	VAL	5.6
2	H	444	VAL	5.6
2	l	83	VAL	5.6
1	C	821	GLN	5.6
2	k	225	THR	5.6
1	e	1719	LEU	5.6
1	c	355	ASP	5.6
2	G	605	ASP	5.6
2	L	938	TRP	5.6
2	l	57	PRO	5.6
1	D	886	GLU	5.6
1	c	152	HIS	5.6
1	d	1838	GLU	5.6
2	K	1512	HIS	5.6
2	j	1737	ILE	5.6
2	l	2036	GLU	5.6
1	b	1758	ASN	5.6
1	f	879	SER	5.6
2	G	265	SER	5.6
2	I	1438	SER	5.6
2	k	1227	ARG	5.6
2	k	1850	SER	5.6
2	l	996	ASN	5.6
1	F	726	GLY	5.6
2	L	738	GLY	5.6
2	k	1723	GLY	5.6
3	o	6	GLY	5.6
1	F	1794	GLN	5.6
2	i	1367	GLN	5.6
1	B	1073	THR	5.6
2	H	1275	PHE	5.6
2	h	605	ASP	5.6
3	M	136	ASP	5.6
1	e	1120	GLU	5.6
1	e	1135	GLU	5.6
2	G	1420	GLU	5.6
2	I	248	HIS	5.6
2	I	1227	ARG	5.6
1	A	927	ASN	5.6
2	G	769	SER	5.6
2	J	98	GLY	5.6
2	g	150	GLY	5.6

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Mol	Chain	Res	Type	RSRZ
2	l	66	GLY	5.6
2	H	105	ALA	5.6
2	K	1965	ALA	5.6
2	i	1164	MET	5.6
1	C	1080	THR	5.6
2	G	1663	THR	5.6
1	A	442	ARG	5.6
2	H	490	TRP	5.6
2	I	1200	PRO	5.6
2	k	1852	TYR	5.6
1	E	1727	LYS	5.6
1	c	612	GLU	5.6
2	k	53	GLU	5.6
1	B	1767	GLY	5.5
1	E	278	GLY	5.5
1	F	953	VAL	5.5
1	b	1582	GLY	5.5
2	K	699	GLY	5.5
2	K	1621	ALA	5.5
1	E	605	LEU	5.5
1	c	618	ASN	5.5
2	H	1252	SER	5.5
2	g	2013	ASN	5.5
1	F	1576	PHE	5.5
1	E	825	PRO	5.5
1	b	181	THR	5.5
2	H	55	THR	5.5
2	h	2039	LYS	5.5
2	l	226	PRO	5.5
1	E	723	ALA	5.5
1	E	1091	ALA	5.5
1	E	1873	HIS	5.5
2	H	744	GLU	5.5
2	h	161	GLY	5.5
1	B	457	ASN	5.5
1	E	1872	SER	5.5
1	F	225	SER	5.5
1	d	173	LYS	5.5
2	J	1980	TYR	5.5
1	c	254	TRP	5.5
2	l	1596	TRP	5.5
2	I	989	ALA	5.5

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Mol	Chain	Res	Type	RSRZ
2	L	596	GLY	5.5
1	b	771	PHE	5.5
1	d	258	SER	5.5
2	h	1561	ASN	5.5
2	l	233	SER	5.5
3	m	147	SER	5.5
2	l	245	GLN	5.5
2	I	562	LEU	5.5
2	l	550	VAL	5.5
2	I	680	THR	5.5
1	c	975	ALA	5.5
1	d	1878	ALA	5.5
2	L	1952	ALA	5.5
2	j	538	ASP	5.5
2	l	1092	ASP	5.5
1	C	985	ARG	5.5
1	C	1061	SER	5.5
1	a	709	ARG	5.5
2	I	742	SER	5.5
2	k	1124	SER	5.5
1	c	1739	GLN	5.5
1	F	601	VAL	5.5
1	d	499	PRO	5.5
2	I	346	GLN	5.5
2	k	1298	TYR	5.5
3	N	145	PRO	5.5
2	k	1637	LEU	5.5
2	H	1035	TRP	5.5
2	i	832	TRP	5.5
2	I	1228	THR	5.5
2	G	206	GLU	5.5
1	B	495	LYS	5.5
1	b	1868	LYS	5.5
2	G	160	PHE	5.5
2	h	974	ASP	5.5
2	j	1945	ASP	5.5
1	f	917	CYS	5.5
1	f	258	SER	5.5
1	C	825	PRO	5.5
1	D	1179	LEU	5.5
1	e	1843	ASN	5.5
1	f	1176	PRO	5.5

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Mol	Chain	Res	Type	RSRZ
2	g	116	LEU	5.5
1	C	1832	ALA	5.5
1	F	1420	ALA	5.5
1	F	1767	GLY	5.5
1	e	1647	GLY	5.5
2	H	735	GLY	5.5
2	J	531	GLY	5.5
2	J	1947	ALA	5.5
2	g	1979	THR	5.5
2	K	445	LYS	5.5
2	l	101	ILE	5.5
1	A	675	ASP	5.5
3	Q	110	ARG	5.5
1	A	148	SER	5.5
1	B	1294	SER	5.5
1	C	953	VAL	5.5
1	F	1517	PRO	5.5
1	a	1083	PRO	5.5
1	c	1083	PRO	5.5
1	e	620	SER	5.5
2	g	1948	SER	5.5
2	j	226	PRO	5.5
2	l	340	SER	5.5
1	a	983	GLN	5.5
2	j	163	GLN	5.5
1	B	1509	GLY	5.5
1	F	814	GLY	5.5
2	K	1203	GLY	5.5
2	l	1144	GLY	5.5
1	B	497	THR	5.5
1	c	1817	GLU	5.5
1	e	181	THR	5.5
2	I	1748	THR	5.5
2	h	1749	GLU	5.5
2	i	1469	GLU	5.5
2	j	248	HIS	5.5
1	a	818	ARG	5.5
2	J	81	ASP	5.4
1	d	1163	TYR	5.4
2	l	458	PRO	5.4
1	C	874	GLY	5.4
1	a	540	GLN	5.4

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Mol	Chain	Res	Type	RSRZ
1	e	879	SER	5.4
1	C	1882	ALA	5.4
1	f	1647	GLY	5.4
1	f	1824	GLY	5.4
2	G	1595	ASN	5.4
2	J	2013	ASN	5.4
2	h	1595	ASN	5.4
2	l	1478	ASN	5.4
1	b	1886	LYS	5.4
1	E	140	ILE	5.4
2	k	1755	ILE	5.4
1	c	1475	GLU	5.4
2	k	1420	GLU	5.4
1	A	605	LEU	5.4
2	H	1549	THR	5.4
2	K	1742	VAL	5.4
2	L	1541	VAL	5.4
3	M	142	VAL	5.4
2	H	1255	MET	5.4
1	C	515	PRO	5.4
1	F	496	PRO	5.4
2	I	830	ASP	5.4
1	B	1321	SER	5.4
1	E	1187	GLY	5.4
1	c	1161	GLY	5.4
1	e	258	SER	5.4
1	e	812	ALA	5.4
2	I	803	SER	5.4
2	I	1986	LYS	5.4
2	g	737	GLY	5.4
2	l	803	SER	5.4
2	I	1355	ASN	5.4
2	L	1567	ARG	5.4
1	F	1850	GLU	5.4
2	g	1942	GLU	5.4
2	H	1893	VAL	5.4
3	r	133	VAL	5.4
1	E	205	PRO	5.4
1	b	496	PRO	5.4
2	I	95	TYR	5.4
1	B	1503	ALA	5.4
1	a	729	GLY	5.4

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Mol	Chain	Res	Type	RSRZ
1	d	1569	GLY	5.4
2	j	802	GLY	5.4
2	j	1295	LYS	5.4
2	j	1901	ALA	5.4
1	B	1765	SER	5.4
1	E	720	SER	5.4
1	a	405	SER	5.4
1	b	406	TRP	5.4
2	I	769	SER	5.4
2	I	1850	SER	5.4
2	k	1190	SER	5.4
1	e	1764	VAL	5.4
2	L	1304	VAL	5.4
2	g	1641	GLU	5.4
2	l	1304	VAL	5.4
3	Q	143	VAL	5.4
3	m	133	VAL	5.4
1	E	237	MET	5.4
2	G	733	THR	5.4
1	E	859	ALA	5.4
1	b	262	ASP	5.4
1	e	188	GLY	5.4
1	e	1772	ASP	5.4
2	i	989	ALA	5.4
2	j	1289	ASP	5.4
2	l	106	ALA	5.4
1	d	1075	TRP	5.4
2	h	449	SER	5.4
2	h	1671	SER	5.4
2	i	769	SER	5.4
2	j	1124	SER	5.4
1	b	1570	ASN	5.4
2	J	1915	ASN	5.4
1	e	264	VAL	5.4
2	H	1189	THR	5.4
2	J	1740	THR	5.4
3	q	145	PRO	5.4
3	N	148	ILE	5.4
1	C	1866	ASP	5.4
2	I	968	GLN	5.4
2	J	999	ASP	5.4
2	k	432	LEU	5.4

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Mol	Chain	Res	Type	RSRZ
2	L	968	GLN	5.4
2	G	1157	SER	5.4
1	A	290	MET	5.4
1	C	1845	ASN	5.4
2	k	1323	MET	5.4
1	F	1475	GLU	5.4
2	h	1038	GLU	5.4
2	l	1623	LYS	5.4
1	D	91	THR	5.4
1	b	1083	PRO	5.4
1	d	294	TYR	5.4
2	H	1963	GLY	5.4
2	J	1952	ALA	5.4
2	K	21	LEU	5.4
2	g	608	ALA	5.4
2	G	1567	ARG	5.4
2	H	130	ARG	5.4
1	F	1003	GLN	5.4
2	H	163	GLN	5.4
1	b	1	MET	5.4
1	d	456	SER	5.4
2	H	1190	SER	5.4
2	K	291	SER	5.4
2	j	2035	SER	5.4
2	k	1615	MET	5.4
1	E	860	ASN	5.4
2	L	1887	GLU	5.4
1	D	731	THR	5.3
1	D	885	ALA	5.4
1	b	502	ALA	5.4
1	c	911	PRO	5.4
1	d	369	ALA	5.4
1	d	1375	GLY	5.4
2	J	313	ALA	5.4
1	E	1515	ARG	5.3
2	j	82	GLN	5.3
1	F	1481	ASP	5.3
1	c	174	ASP	5.3
1	B	82	SER	5.3
1	C	605	LEU	5.3
2	G	931	PHE	5.3
2	J	48	PHE	5.3

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Mol	Chain	Res	Type	RSRZ
2	g	367	GLU	5.3
2	g	1749	GLU	5.3
2	i	2032	LEU	5.3
1	B	502	ALA	5.3
1	C	885	ALA	5.3
2	G	1141	ALA	5.3
2	i	2012	PRO	5.3
2	j	1853	GLY	5.3
1	D	1092	LYS	5.3
1	D	1806	GLN	5.3
1	D	1717	ASP	5.3
1	d	1334	ASP	5.3
2	K	1845	ASP	5.3
1	E	783	HIS	5.3
1	b	1780	ASN	5.3
1	d	1176	PRO	5.3
1	e	152	HIS	5.3
2	H	1915	ASN	5.3
2	J	1724	GLU	5.3
1	a	632	ARG	5.3
2	K	722	ALA	5.3
2	l	1179	GLY	5.3
1	b	1885	THR	5.3
1	d	458	THR	5.3
2	H	45	THR	5.3
2	h	1882	THR	5.3
3	q	143	VAL	5.3
1	B	254	TRP	5.3
2	H	289	TRP	5.3
1	b	142	ASP	5.3
1	f	150	LEU	5.3
1	F	1488	GLU	5.3
1	e	1567	SER	5.3
2	L	162	GLY	5.3
2	j	623	GLY	5.3
1	a	610	THR	5.3
2	i	210	THR	5.3
2	k	6	THR	5.3
1	D	406	TRP	5.3
2	I	384	GLN	5.3
2	h	456	GLN	5.3
2	G	1967	ILE	5.3

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Mol	Chain	Res	Type	RSRZ
2	i	238	CYS	5.3
2	k	1700	ASP	5.3
2	l	1134	ASP	5.3
1	F	1032	SER	5.3
1	d	1567	SER	5.3
2	l	374	ALA	5.3
3	N	45	SER	5.3
2	j	316	ASN	5.3
2	l	1927	LEU	5.3
3	R	144	THR	5.3
2	H	1220	GLN	5.3
2	j	160	PHE	5.3
1	e	985	ARG	5.3
1	D	142	ASP	5.3
1	D	494	ALA	5.3
1	E	1836	ASP	5.3
2	J	51	ASP	5.3
2	J	1176	PRO	5.3
2	J	1860	GLY	5.3
2	K	737	GLY	5.3
2	h	1980	TYR	5.3
1	F	980	VAL	5.3
1	d	1722	VAL	5.3
2	G	1859	PRO	5.3
2	k	1722	GLY	5.3
2	k	1947	ALA	5.3
2	l	161	GLY	5.3
2	l	186	ASP	5.3
1	e	1432	HIS	5.3
1	f	1762	GLU	5.3
2	G	1671	SER	5.3
2	H	63	LYS	5.3
2	J	1352	HIS	5.3
2	L	206	GLU	5.3
2	l	1177	SER	5.3
3	N	147	SER	5.3
2	k	1849	ARG	5.3
1	f	1706	TYR	5.3
2	I	653	TYR	5.3
1	A	1717	ASP	5.3
1	B	633	GLU	5.3
1	E	1622	GLU	5.3

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Mol	Chain	Res	Type	RSRZ
1	F	974	ASP	5.3
2	H	1926	GLU	5.3
2	I	100	ASP	5.3
2	K	74	PRO	5.3
2	G	1471	GLU	5.3
2	L	227	ASP	5.3
2	l	1319	MET	5.3
3	N	26	MET	5.3
1	D	148	SER	5.3
1	A	465	ASN	5.3
2	H	1270	TRP	5.2
2	I	1149	TRP	5.2
2	L	832	TRP	5.2
1	F	731	THR	5.2
2	H	499	THR	5.2
2	i	469	ARG	5.2
1	F	1647	GLY	5.2
2	H	1853	GLY	5.2
2	I	58	ALA	5.2
2	J	1918	LYS	5.2
2	L	844	VAL	5.2
2	h	509	ALA	5.2
1	c	51	PRO	5.2
1	d	168	MET	5.2
2	l	815	PRO	5.2
1	B	513	GLU	5.2
1	D	856	GLU	5.2
1	E	262	ASP	5.2
2	G	1352	HIS	5.2
2	L	1352	HIS	5.2
1	A	615	SER	5.2
2	H	1967	ILE	5.2
1	B	388	ASN	5.2
2	K	142	ASN	5.2
2	g	1561	ASN	5.2
2	j	372	ASN	5.2
1	F	1448	ARG	5.2
3	O	110	ARG	5.2
2	J	2022	THR	5.2
2	K	1202	GLN	5.2
2	L	210	THR	5.2
2	g	245	GLN	5.2

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Mol	Chain	Res	Type	RSRZ
1	b	1858	ALA	5.2
1	d	729	GLY	5.2
1	d	1007	ALA	5.2
1	d	1322	GLY	5.2
2	H	62	GLY	5.2
1	C	256	LEU	5.2
2	j	1843	PRO	5.2
2	l	88	LEU	5.2
1	D	1412	ASP	5.2
3	N	150	ILE	5.2
1	c	1479	SER	5.2
2	K	94	CYS	5.2
2	l	1550	ASN	5.2
3	R	137	ASN	5.2
1	d	1348	ALA	5.2
2	j	1710	VAL	5.2
1	C	541	PRO	5.2
2	G	1617	LEU	5.2
2	k	1582	GLY	5.2
2	h	537	PRO	5.2
1	E	612	GLU	5.2
1	E	1488	GLU	5.2
1	b	615	SER	5.2
2	i	1191	SER	5.2
1	B	173	LYS	5.2
1	A	184	ASN	5.2
1	e	1508	TRP	5.2
2	H	1692	ASN	5.2
2	I	805	VAL	5.2
2	k	725	ASN	5.2
3	o	37	ASN	5.2
2	I	183	LEU	5.2
2	L	133	ALA	5.2
2	j	164	GLY	5.2
1	e	681	THR	5.2
2	I	1494	PRO	5.2
2	j	2018	PRO	5.2
2	j	2037	PRO	5.2
2	l	1546	THR	5.2
3	M	145	PRO	5.2
2	L	1739	GLU	5.2
2	l	1942	GLU	5.2

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Mol	Chain	Res	Type	RSRZ
1	c	1763	LYS	5.2
1	F	725	TYR	5.2
1	b	1058	GLY	5.2
1	b	1768	GLY	5.2
1	c	821	GLN	5.2
1	e	214	GLN	5.2
2	G	1105	GLY	5.2
2	G	1851	ASN	5.2
2	H	1442	ALA	5.2
2	I	452	ALA	5.2
2	K	609	ALA	5.2
2	I	482	CYS	5.2
2	h	1226	ASN	5.2
2	k	737	GLY	5.2
2	k	1510	ALA	5.2
1	E	617	PRO	5.2
2	I	793	PRO	5.2
1	a	216	THR	5.2
1	b	1581	THR	5.2
1	c	1335	PHE	5.2
1	C	1788	GLU	5.2
2	H	1731	GLU	5.2
2	I	312	GLU	5.2
2	h	1253	GLU	5.2
1	b	277	LEU	5.2
2	I	503	ASP	5.2
1	C	1870	SER	5.2
1	B	1504	ALA	5.2
1	a	1508	TRP	5.2
2	I	1930	SER	5.2
2	j	755	SER	5.2
1	d	1647	GLY	5.2
1	f	859	ALA	5.2
2	L	1442	ALA	5.2
2	K	1102	TYR	5.2
2	h	772	GLY	5.2
2	i	1059	ALA	5.2
2	j	242	GLY	5.2
2	G	279	THR	5.2
2	I	1128	LYS	5.2
1	B	1129	GLU	5.2
1	d	30	GLU	5.2

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Mol	Chain	Res	Type	RSRZ
1	b	1819	VAL	5.2
1	e	601	VAL	5.2
1	e	1773	VAL	5.2
2	l	109	LEU	5.2
1	C	615	SER	5.2
1	C	1807	SER	5.2
1	b	294	TYR	5.2
1	c	1509	GLY	5.2
1	f	686	GLY	5.2
2	K	25	ALA	5.2
2	K	1513	GLY	5.2
2	g	449	SER	5.2
2	g	808	ALA	5.2
2	i	1187	GLY	5.2
2	i	1805	ALA	5.2
2	l	230	TYR	5.2
3	n	113	GLY	5.2
1	F	503	ILE	5.2
2	K	1957	PRO	5.1
2	L	226	PRO	5.1
2	h	1738	PHE	5.2
1	D	1854	ASN	5.1
1	E	881	ASN	5.1
2	l	559	PRO	5.1
2	l	1538	PRO	5.1
2	G	56	THR	5.1
2	I	1662	THR	5.1
2	K	271	THR	5.1
2	K	1473	THR	5.1
2	k	598	THR	5.1
1	e	1542	HIS	5.1
1	f	854	HIS	5.1
3	m	90	GLU	5.1
1	B	85	ALA	5.1
1	A	1237	TYR	5.1
1	E	174	ASP	5.1
1	c	675	ASP	5.1
2	H	1327	ILE	5.1
2	J	938	TRP	5.1
1	C	1884	SER	5.1
1	d	286	PHE	5.1
2	j	797	ASP	5.1

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Mol	Chain	Res	Type	RSRZ
2	k	2042	ILE	5.1
2	g	1850	SER	5.1
1	B	1421	PRO	5.1
2	I	1928	GLN	5.1
1	B	1510	ASN	5.1
1	b	818	ARG	5.1
2	k	1148	ASN	5.1
2	k	1958	LEU	5.1
2	l	71	LEU	5.1
2	I	1308	CYS	5.1
2	g	92	GLU	5.1
1	B	614	ALA	5.1
2	g	1249	ALA	5.1
2	h	1883	GLY	5.1
2	k	1363	ALA	5.1
2	H	1596	TRP	5.1
1	b	1772	ASP	5.1
1	c	1803	PRO	5.1
1	d	1659	ASP	5.1
2	I	81	ASP	5.1
2	I	538	ASP	5.1
1	E	1739	GLN	5.1
1	b	1180	ARG	5.1
1	e	931	GLN	5.1
1	f	1735	SER	5.1
2	k	1918	LYS	5.1
1	b	1766	ASN	5.1
1	f	1570	ASN	5.1
2	i	1058	VAL	5.1
1	f	1760	THR	5.1
2	G	301	THR	5.1
2	H	546	GLU	5.1
2	k	102	HIS	5.1
1	F	976	ALA	5.1
1	d	291	ALA	5.1
2	H	94	CYS	5.1
2	I	1249	ALA	5.1
1	a	1647	GLY	5.1
2	I	1860	GLY	5.1
2	G	1596	TRP	5.1
2	k	568	LYS	5.1
2	H	1445	ARG	5.1

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Mol	Chain	Res	Type	RSRZ
2	H	1458	ASP	5.1
2	i	54	PRO	5.1
1	C	1207	GLN	5.1
1	E	1380	GLN	5.1
1	f	539	SER	5.1
2	H	104	LEU	5.1
2	K	384	GLN	5.1
2	L	274	SER	5.1
2	L	1008	GLN	5.1
2	i	1948	SER	5.1
2	j	309	ARG	5.1
2	j	1600	SER	5.1
2	k	797	ASP	5.1
2	k	1839	GLN	5.1
1	C	519	VAL	5.1
2	G	1895	ASN	5.1
1	D	1229	THR	5.1
1	a	1337	GLU	5.1
1	f	1544	THR	5.1
2	J	1549	THR	5.1
2	J	1663	THR	5.1
2	L	646	THR	5.1
2	L	1720	HIS	5.1
2	l	796	PHE	5.1
1	C	173	LYS	5.1
1	c	908	LEU	5.1
2	I	1560	LEU	5.1
2	L	929	LEU	5.1
2	L	2012	PRO	5.1
2	g	86	LEU	5.1
2	k	434	PRO	5.1
2	l	54	PRO	5.1
1	c	289	SER	5.1
1	d	1634	ASP	5.1
2	H	803	SER	5.1
2	L	1157	SER	5.1
2	g	22	VAL	5.1
3	M	141	ASP	5.1
1	d	1510	ASN	5.1
1	B	962	ALA	5.1
1	C	1782	GLU	5.1
1	b	1729	GLY	5.1

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Mol	Chain	Res	Type	RSRZ
1	d	185	GLU	5.1
1	d	964	GLU	5.1
1	d	1405	ALA	5.1
2	K	453	LYS	5.1
2	l	491	GLU	5.1
1	f	1179	LEU	5.1
2	l	1035	TRP	5.1
1	C	865	CYS	5.1
2	L	1402	PRO	5.1
2	g	399	PRO	5.1
2	k	1156	CYS	5.1
1	D	1794	GLN	5.1
2	h	645	SER	5.1
2	k	1032	ASP	5.1
1	E	236	LYS	5.1
1	f	1610	ASN	5.1
2	H	2016	ALA	5.1
3	m	146	ASN	5.1
1	C	208	GLU	5.1
1	F	964	GLU	5.1
1	b	203	GLU	5.1
2	G	1068	GLU	5.1
2	J	770	GLY	5.1
2	i	401	GLY	5.1
2	j	622	GLY	5.1
2	I	1663	THR	5.1
2	J	1748	THR	5.1
2	h	1298	TYR	5.1
1	D	257	PRO	5.1
2	G	470	VAL	5.1
2	k	74	PRO	5.1
1	B	168	MET	5.1
1	F	1260	MET	5.1
2	j	1676	MET	5.1
1	B	262	ASP	5.1
1	D	1103	ILE	5.1
2	K	380	SER	5.0
2	L	1324	ASP	5.1
2	i	160	PHE	5.0
2	i	797	ASP	5.1
2	j	461	ASP	5.1
3	P	141	ASP	5.1

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Mol	Chain	Res	Type	RSRZ
3	m	141	ASP	5.1
2	j	2017	LYS	5.0
1	A	441	ASN	5.0
2	I	1179	GLY	5.0
1	d	1542	HIS	5.0
1	F	872	THR	5.0
1	A	828	PRO	5.0
1	b	300	VAL	5.0
2	h	1014	PRO	5.0
1	F	261	GLN	5.0
1	D	1134	PHE	5.0
1	e	1763	LYS	5.0
2	l	79	GLN	5.0
1	C	1634	ASP	5.0
1	F	1808	SER	5.0
1	a	288	ASP	5.0
1	b	301	ASP	5.0
1	f	845	SER	5.0
2	H	482	CYS	5.0
2	I	474	SER	5.0
2	J	50	ALA	5.0
2	J	1808	SER	5.0
2	l	204	ASP	5.0
2	l	1308	CYS	5.0
1	f	1810	ALA	5.0
3	p	25	ASP	5.0
2	I	406	ARG	5.0
1	F	271	ASN	5.0
1	F	856	GLU	5.0
2	H	372	ASN	5.0
2	I	172	GLU	5.0
2	L	1912	ASN	5.0
2	h	273	HIS	5.0
2	j	553	ASN	5.0
2	j	1383	ASN	5.0
1	F	519	VAL	5.0
1	A	825	PRO	5.0
2	G	1473	THR	5.0
3	R	112	THR	5.0
2	I	807	ILE	5.0
2	G	1367	GLN	5.0
2	I	678	PHE	5.0

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Mol	Chain	Res	Type	RSRZ
2	L	939	PHE	5.0
2	l	163	GLN	5.0
1	A	1420	ALA	5.0
1	f	1515	ARG	5.0
2	i	737	GLY	5.0
2	j	363	GLY	5.0
2	k	1675	GLY	5.0
2	l	417	SER	5.0
2	l	1860	GLY	5.0
1	b	1781	VAL	5.0
1	d	981	GLU	5.0
1	e	75	HIS	5.0
1	e	1842	VAL	5.0
2	H	1499	VAL	5.0
2	i	248	HIS	5.0
2	j	846	VAL	5.0
1	f	871	TRP	5.0
2	g	1596	TRP	5.0
2	i	1912	ASN	5.0
1	C	1885	THR	5.0
2	j	595	PRO	5.0
2	H	1218	ILE	5.0
3	m	150	ILE	5.0
1	A	286	PHE	5.0
1	F	1207	GLN	5.0
2	J	163	GLN	5.0
2	g	1451	GLN	5.0
2	k	1669	GLN	5.0
1	b	178	GLY	5.0
1	d	177	GLY	5.0
2	H	596	GLY	5.0
2	I	1558	GLY	5.0
2	j	2034	GLY	5.0
1	E	1412	ASP	5.0
1	F	1417	SER	5.0
1	d	492	ASP	5.0
1	f	1209	ASP	5.0
2	h	417	SER	5.0
2	h	937	SER	5.0
2	j	69	SER	5.0
1	c	917	CYS	5.0
2	h	1308	CYS	5.0

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Mol	Chain	Res	Type	RSRZ
2	j	87	CYS	5.0
1	E	1432	HIS	5.0
2	G	921	GLU	5.0
2	I	102	HIS	5.0
2	g	97	GLU	5.0
1	b	238	PRO	5.0
2	G	560	ASN	5.0
2	h	936	ASN	5.0
2	l	8	PRO	5.0
1	E	771	PHE	5.0
1	D	1348	ALA	5.0
1	c	502	ALA	5.0
1	d	1000	GLN	5.0
2	H	280	ALA	5.0
2	J	58	ALA	5.0
1	D	804	GLY	5.0
1	F	1161	GLY	5.0
2	G	614	GLY	5.0
1	c	628	SER	5.0
1	d	1366	SER	5.0
2	g	52	ASP	5.0
2	j	454	ASP	5.0
2	j	1324	ASP	5.0
1	D	830	HIS	5.0
1	F	1423	LYS	5.0
2	K	992	GLU	5.0
2	G	238	CYS	5.0
2	g	771	PHE	5.0
2	i	1485	CYS	5.0
1	A	1780	ASN	5.0
2	j	85	ASN	5.0
2	j	214	ASN	5.0
1	f	872	THR	5.0
2	H	845	THR	5.0
2	h	119	THR	5.0
2	k	1667	THR	5.0
1	b	261	GLN	5.0
1	c	141	ALA	5.0
1	e	54	ALA	5.0
1	e	291	ALA	5.0
1	A	1187	GLY	5.0
1	b	255	GLY	5.0

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Mol	Chain	Res	Type	RSRZ
1	e	1767	GLY	5.0
2	I	164	GLY	5.0
2	h	770	GLY	5.0
2	k	1703	GLY	5.0
2	H	550	VAL	5.0
2	J	1163	LYS	5.0
3	M	55	LYS	5.0
1	C	142	ASP	5.0
1	F	1477	ILE	5.0
1	d	623	SER	5.0
1	A	1774	GLU	5.0
1	D	1793	PRO	5.0
2	G	1200	PRO	5.0
2	G	1448	GLU	5.0
2	L	1244	PRO	5.0
2	i	1057	PRO	5.0
3	O	14	GLU	5.0
1	A	917	CYS	5.0
2	j	1241	ASN	5.0
2	l	519	ASN	5.0
2	l	558	ASN	5.0
2	G	24	THR	5.0
2	i	286	THR	5.0
1	C	1818	ALA	5.0
1	a	1848	ALA	5.0
2	L	1870	ALA	5.0
2	i	1141	ALA	5.0
1	b	524	GLN	5.0
2	H	1305	GLY	5.0
2	l	1565	VAL	5.0
2	H	930	MET	5.0
1	F	605	LEU	4.9
2	G	21	LEU	4.9
2	I	426	PRO	4.9
2	h	771	PHE	4.9
2	G	1512	HIS	4.9
2	g	186	ASP	4.9
2	g	521	ASP	4.9
2	k	46	GLU	4.9
2	l	113	ASP	4.9
2	l	1734	SER	4.9
3	N	25	ASP	4.9

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Mol	Chain	Res	Type	RSRZ
1	D	1848	ALA	4.9
2	H	112	ASN	4.9
2	I	85	ASN	4.9
2	J	746	ALA	4.9
2	g	85	ASN	4.9
2	g	1383	ASN	4.9
2	j	896	ASN	4.9
1	b	672	THR	4.9
2	G	646	THR	4.9
2	g	1748	THR	4.9
2	k	782	THR	4.9
1	C	32	GLN	4.9
2	G	1345	GLY	4.9
2	H	1100	VAL	4.9
2	K	98	GLY	4.9
2	j	772	GLY	4.9
2	k	245	GLN	4.9
3	O	108	VAL	4.9
1	f	495	LYS	4.9
2	G	756	LYS	4.9
2	I	180	TYR	4.9
2	L	1741	ILE	4.9
1	a	1541	PHE	4.9
2	l	23	PRO	4.9
1	E	1772	ASP	4.9
1	d	225	SER	4.9
2	i	1055	HIS	4.9
1	f	818	ARG	4.9
2	K	58	ALA	4.9
2	j	1099	ALA	4.9
1	F	1574	GLY	4.9
2	G	844	VAL	4.9
2	I	2013	ASN	4.9
2	g	1886	VAL	4.9
2	j	527	VAL	4.9
1	e	290	MET	4.9
2	i	1163	LYS	4.9
1	a	166	ILE	4.9
1	f	1739	GLN	4.9
2	J	1839	GLN	4.9
2	K	968	GLN	4.9
2	g	82	GLN	4.9

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Mol	Chain	Res	Type	RSRZ
2	g	163	GLN	4.9
1	e	1237	TYR	4.9
1	c	1337	GLU	4.9
1	d	1264	ARG	4.9
2	h	744	GLU	4.9
2	h	1373	SER	4.9
2	k	181	HIS	4.9
2	l	1500	GLU	4.9
1	e	492	ASP	4.9
1	e	603	ASP	4.9
2	j	1453	ASP	4.9
2	k	2043	ASP	4.9
1	a	723	ALA	4.9
2	H	1856	ALA	4.9
2	l	683	ALA	4.9
2	G	737	GLY	4.9
1	C	908	LEU	4.9
1	E	1351	ASN	4.9
2	g	194	THR	4.9
2	l	440	ASN	4.9
3	q	148	ILE	4.9
1	D	651	TYR	4.9
2	i	771	PHE	4.9
1	a	1431	GLU	4.9
2	G	1894	GLU	4.9
2	i	992	GLU	4.9
1	B	391	ALA	4.9
1	B	494	ALA	4.9
1	D	986	ALA	4.9
1	E	1178	ALA	4.9
1	a	262	ASP	4.9
1	c	1230	ASP	4.9
2	G	1310	ASP	4.9
2	G	1772	SER	4.9
2	H	336	SER	4.9
2	J	444	VAL	4.9
2	K	474	SER	4.9
2	j	362	ALA	4.9
2	j	521	ASP	4.9
2	l	1655	ALA	4.9
2	G	1155	LEU	4.9
2	J	1848	GLY	4.9

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Mol	Chain	Res	Type	RSRZ
2	k	255	LEU	4.9
1	A	194	PHE	4.9
1	c	706	THR	4.9
1	c	872	THR	4.9
2	J	99	ASN	4.9
2	l	532	THR	4.9
1	B	515	PRO	4.9
1	D	917	CYS	4.9
1	b	617	PRO	4.9
1	b	770	PRO	4.9
1	F	1180	ARG	4.9
1	F	1156	GLU	4.9
2	H	1863	ALA	4.9
2	l	367	GLU	4.9
1	C	1770	GLY	4.9
1	D	278	GLY	4.9
2	g	1848	GLY	4.9
2	j	739	GLY	4.9
2	k	1033	SER	4.9
2	k	1313	SER	4.9
2	k	1324	ASP	4.9
3	m	84	ASP	4.9
1	C	771	PHE	4.9
1	A	1510	ASN	4.9
2	L	119	THR	4.9
1	e	1721	ARG	4.9
1	f	276	ARG	4.9
2	k	839	PRO	4.9
3	m	145	PRO	4.9
2	I	423	VAL	4.9
2	I	1083	LYS	4.9
1	B	54	ALA	4.9
1	D	1075	TRP	4.9
2	K	941	VAL	4.9
1	C	1378	GLU	4.9
1	f	1720	ALA	4.9
2	G	566	HIS	4.9
2	k	435	ALA	4.9
2	l	1564	HIS	4.9
1	D	774	ILE	4.9
1	F	729	GLY	4.9
2	j	734	GLY	4.9

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Mol	Chain	Res	Type	RSRZ
2	J	1738	PHE	4.9
1	f	1511	ASP	4.9
2	K	227	ASP	4.9
2	K	974	ASP	4.9
2	k	1299	ASP	4.9
2	k	1599	ASP	4.9
1	f	1062	TYR	4.9
1	e	739	GLN	4.9
1	E	610	THR	4.9
1	b	271	ASN	4.9
1	b	359	ARG	4.9
1	c	1351	ASN	4.9
2	H	301	THR	4.9
2	H	1663	THR	4.9
2	k	56	THR	4.9
2	l	1567	ARG	4.9
3	M	144	THR	4.9
2	J	42	PRO	4.9
2	g	809	LYS	4.9
2	k	42	PRO	4.9
2	k	226	PRO	4.9
1	C	264	VAL	4.9
1	D	1369	ALA	4.8
1	b	1103	ILE	4.8
1	e	769	ILE	4.8
1	B	1381	GLY	4.8
1	e	726	GLY	4.8
2	J	1311	PHE	4.8
1	b	1723	SER	4.8
1	A	282	ASP	4.8
1	C	68	TYR	4.8
2	H	1923	ASP	4.8
2	k	974	ASP	4.8
2	l	387	TYR	4.8
2	H	736	ARG	4.8
2	K	7	ARG	4.8
1	A	267	VAL	4.8
1	B	1176	PRO	4.8
1	C	36	LEU	4.8
1	d	265	LEU	4.8
2	G	1858	ASN	4.8
2	H	271	THR	4.8

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Mol	Chain	Res	Type	RSRZ
2	H	941	VAL	4.8
2	g	558	ASN	4.8
2	l	61	VAL	4.8
1	F	975	ALA	4.8
1	a	141	ALA	4.8
1	d	1810	ALA	4.8
2	J	40	ILE	4.8
2	J	509	ALA	4.8
1	B	1768	GLY	4.8
1	F	1829	GLY	4.8
1	a	255	GLY	4.8
2	J	1275	PHE	4.8
1	a	82	SER	4.8
1	a	972	SER	4.8
2	i	1313	SER	4.8
2	j	274	SER	4.8
1	E	606	ASP	4.8
1	F	282	ASP	4.8
1	a	1836	ASP	4.8
1	c	1836	ASP	4.8
1	f	1514	LYS	4.8
2	h	1559	ASP	4.8
2	l	189	LYS	4.8
2	H	1896	GLN	4.8
2	k	211	GLN	4.8
2	G	1499	VAL	4.8
2	L	1015	VAL	4.8
1	B	196	THR	4.8
1	E	271	ASN	4.8
1	F	610	THR	4.8
1	a	815	ILE	4.8
2	K	418	ASN	4.8
2	l	1621	ALA	4.8
1	B	1187	GLY	4.8
1	e	771	PHE	4.8
2	H	47	GLY	4.8
2	L	1668	GLY	4.8
2	j	768	GLY	4.8
2	g	956	GLU	4.8
2	k	1739	GLU	4.8
2	k	1725	LYS	4.8
1	b	620	SER	4.8

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Mol	Chain	Res	Type	RSRZ
2	I	69	SER	4.8
2	l	231	LEU	4.8
2	l	237	SER	4.8
1	A	925	ASP	4.8
1	D	1084	VAL	4.8
1	b	1773	VAL	4.8
2	J	1599	ASP	4.8
2	g	675	PRO	4.8
2	i	993	GLN	4.8
2	l	426	PRO	4.8
1	B	976	ALA	4.8
1	C	52	THR	4.8
1	F	1610	ASN	4.8
3	M	112	THR	4.8
2	k	1853	GLY	4.8
1	F	152	HIS	4.8
1	a	964	GLU	4.8
1	D	808	LYS	4.8
1	E	1662	TYR	4.8
1	e	908	LEU	4.8
2	J	1958	LEU	4.8
3	N	49	LEU	4.8
1	F	267	VAL	4.8
2	j	1517	VAL	4.8
1	B	215	ASP	4.8
1	a	865	CYS	4.8
2	G	1602	SER	4.8
2	K	1438	SER	4.8
2	h	1548	SER	4.8
2	j	113	ASP	4.8
2	k	1052	CYS	4.8
2	k	1373	SER	4.8
2	G	816	ASP	4.8
3	P	134	ASP	4.8
1	a	1497	ALA	4.8
2	L	1866	PHE	4.8
2	g	1906	ALA	4.8
1	A	610	THR	4.8
1	B	406	TRP	4.8
1	b	1610	ASN	4.8
1	f	55	GLY	4.8
2	G	553	ASN	4.8

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Mol	Chain	Res	Type	RSRZ
2	j	554	GLY	4.8
3	M	18	THR	4.8
1	C	518	LYS	4.8
1	F	462	LYS	4.8
1	F	915	GLU	4.8
1	a	664	GLU	4.8
2	G	1140	LYS	4.8
2	G	1475	LYS	4.8
2	L	430	HIS	4.8
2	G	1861	ARG	4.8
2	g	1500	GLU	4.8
2	j	206	GLU	4.8
2	k	546	GLU	4.8
2	k	1448	GLU	4.8
1	B	725	TYR	4.8
1	d	1062	TYR	4.8
2	H	1153	SER	4.8
2	l	404	GLN	4.8
3	r	145	PRO	4.8
1	B	1439	ALA	4.8
1	C	391	ALA	4.8
1	a	1659	ASP	4.8
2	I	103	ALA	4.8
2	I	521	ASP	4.8
2	L	1906	ALA	4.8
2	h	1458	ASP	4.8
2	J	1509	GLY	4.8
1	C	1068	LYS	4.8
2	H	903	TRP	4.8
2	L	1561	ASN	4.8
2	h	568	LYS	4.8
2	k	1699	LYS	4.8
2	l	1620	THR	4.8
1	c	1734	ASN	4.8
2	G	2013	ASN	4.8
2	l	38	ASN	4.8
1	A	994	GLU	4.8
1	C	4	GLU	4.8
1	b	1542	HIS	4.8
2	H	740	HIS	4.8
2	I	744	GLU	4.8
2	L	1041	GLU	4.8

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Mol	Chain	Res	Type	RSRZ
2	L	1961	GLU	4.8
2	g	477	GLU	4.8
2	l	1731	GLU	4.8
1	C	1849	VAL	4.8
3	n	143	VAL	4.8
1	b	825	PRO	4.8
1	f	1793	PRO	4.8
2	I	771	PHE	4.8
2	g	450	PHE	4.8
1	E	1363	ALA	4.8
1	E	1652	GLN	4.8
1	F	1500	GLN	4.8
1	d	1136	ALA	4.8
2	I	141	SER	4.8
2	k	858	ALA	4.8
3	o	3	SER	4.8
1	f	925	ASP	4.8
2	I	272	GLY	4.8
2	J	1203	GLY	4.8
2	L	1484	LYS	4.8
2	g	1369	GLY	4.8
2	k	699	GLY	4.8
2	l	1513	GLY	4.8
3	o	141	ASP	4.8
1	B	1828	LEU	4.8
2	I	21	LEU	4.8
1	B	242	THR	4.8
1	E	895	THR	4.8
2	H	523	THR	4.8
2	H	1227	ARG	4.8
2	h	45	THR	4.8
1	d	1483	ASN	4.8
1	d	1737	ASN	4.8
1	c	1120	GLU	4.7
1	d	1849	VAL	4.8
1	e	40	ASN	4.8
1	B	89	TYR	4.7
1	E	839	TYR	4.7
2	i	1284	VAL	4.8
2	l	102	HIS	4.8
2	K	1147	ILE	4.7
1	F	984	PRO	4.7

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Mol	Chain	Res	Type	RSRZ
2	K	226	PRO	4.7
1	B	540	GLN	4.7
2	H	404	GLN	4.7
2	I	1049	GLN	4.7
2	L	997	ALA	4.7
2	j	683	ALA	4.7
1	B	1582	GLY	4.7
1	B	1728	SER	4.7
1	C	1822	SER	4.7
1	a	1856	LYS	4.7
2	G	1850	SER	4.7
2	g	476	SER	4.7
2	g	1056	GLY	4.7
2	g	1475	LYS	4.7
2	I	277	LEU	4.7
2	H	1045	ASP	4.7
2	K	403	ASP	4.7
1	A	1073	THR	4.7
1	E	613	VAL	4.7
1	b	298	VAL	4.7
1	d	181	THR	4.7
2	L	616	THR	4.7
2	i	1342	THR	4.7
2	j	470	VAL	4.7
2	k	844	VAL	4.7
1	C	203	GLU	4.7
1	D	1351	ASN	4.7
1	D	1850	GLU	4.7
1	F	1374	ASN	4.7
1	F	1780	ASN	4.7
1	d	1004	ILE	4.7
2	L	1383	ASN	4.7
2	h	930	MET	4.7
2	l	165	ASN	4.7
2	H	1176	PRO	4.7
2	k	2012	PRO	4.7
2	L	1623	LYS	4.7
2	l	1597	ALA	4.7
2	G	1582	GLY	4.7
2	l	1155	LEU	4.7
1	d	1479	SER	4.7
2	J	1482	SER	4.7

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Mol	Chain	Res	Type	RSRZ
2	j	769	SER	4.7
3	r	9	ARG	4.7
2	K	467	ASP	4.7
2	g	550	VAL	4.7
2	l	1270	TRP	4.7
1	b	358	GLU	4.7
1	d	1563	HIS	4.7
2	G	249	TYR	4.7
1	E	776	GLU	4.7
1	b	882	ASN	4.7
1	e	865	CYS	4.7
2	G	1720	HIS	4.7
1	a	1510	ASN	4.7
2	H	172	GLU	4.7
2	g	564	GLU	4.7
1	A	1747	ALA	4.7
1	E	1514	LYS	4.7
1	E	1848	ALA	4.7
1	c	1503	ALA	4.7
2	h	1367	GLN	4.7
2	l	1905	ARG	4.7
1	a	24	SER	4.7
2	J	1922	ILE	4.7
2	g	540	ASP	4.7
3	R	78	ASP	4.7
1	b	1428	THR	4.7
2	G	1569	PHE	4.7
1	B	538	GLU	4.7
2	G	1309	GLU	4.7
2	G	1628	HIS	4.7
2	H	491	GLU	4.7
2	J	1094	GLU	4.7
2	K	616	THR	4.7
2	h	747	HIS	4.7
2	i	1375	THR	4.7
2	i	1785	GLU	4.7
1	C	250	LEU	4.7
1	C	1351	ASN	4.7
1	C	617	PRO	4.7
1	d	269	LEU	4.7
2	J	402	LEU	4.7
2	J	1415	ASN	4.7

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Mol	Chain	Res	Type	RSRZ
1	f	1862	ALA	4.7
2	h	1034	LEU	4.7
1	F	1518	ARG	4.7
2	I	770	GLY	4.7
2	h	735	GLY	4.7
2	i	644	GLY	4.7
2	l	164	GLY	4.7
2	J	2021	VAL	4.7
2	L	1472	VAL	4.7
1	B	235	SER	4.7
1	d	615	SER	4.7
2	I	291	SER	4.7
2	i	829	ASP	4.7
2	k	1916	PHE	4.7
1	A	728	LYS	4.7
1	A	193	GLU	4.7
1	C	1542	HIS	4.7
1	b	517	GLU	4.7
2	H	1151	HIS	4.7
2	j	453	LYS	4.7
2	g	1420	GLU	4.7
2	k	1581	HIS	4.7
1	A	911	PRO	4.7
1	B	1351	ASN	4.7
1	E	882	ASN	4.7
2	H	1415	ASN	4.7
2	I	1841	ALA	4.7
2	h	440	ASN	4.7
1	C	260	ARG	4.7
1	f	1789	ARG	4.7
1	A	1000	GLN	4.7
1	d	1143	GLN	4.7
2	K	456	GLN	4.7
2	j	1659	GLN	4.7
1	d	254	TRP	4.7
1	D	258	SER	4.7
1	d	169	SER	4.7
2	g	1951	SER	4.7
2	k	687	SER	4.7
3	n	147	SER	4.7
1	D	728	LYS	4.7
1	e	1079	LYS	4.7

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Mol	Chain	Res	Type	RSRZ
2	I	364	LYS	4.7
2	k	1364	LYS	4.7
1	e	288	ASP	4.7
2	H	186	ASP	4.7
1	B	1484	GLU	4.7
1	C	1880	ALA	4.7
1	E	1850	GLU	4.7
2	h	855	HIS	4.7
1	F	1439	ALA	4.7
1	F	1810	ALA	4.7
1	a	257	PRO	4.7
2	G	746	ALA	4.7
2	h	1041	GLU	4.7
2	h	1621	ALA	4.7
2	k	1598	ALA	4.7
2	l	1887	GLU	4.7
2	l	286	THR	4.7
3	o	144	THR	4.7
1	D	834	GLY	4.7
1	d	1248	GLY	4.7
1	d	1734	ASN	4.7
1	f	1187	GLY	4.7
2	G	1341	ASN	4.7
2	I	1478	ASN	4.7
3	N	8	ARG	4.7
2	G	1513	GLY	4.7
2	K	381	GLY	4.7
2	g	699	GLY	4.7
2	j	1513	GLY	4.7
3	Q	5	GLY	4.7
1	C	1769	VAL	4.7
2	l	68	VAL	4.7
1	B	1380	GLN	4.7
1	C	769	ILE	4.7
1	d	1003	GLN	4.7
2	g	617	ILE	4.7
2	l	365	GLN	4.7
2	l	384	GLN	4.7
1	D	531	LEU	4.7
1	D	1174	TYR	4.7
1	b	1347	LYS	4.7
2	j	785	TRP	4.7

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Mol	Chain	Res	Type	RSRZ
3	M	56	LEU	4.7
1	e	234	SER	4.7
2	K	1482	SER	4.7
2	L	5	SER	4.7
1	E	1130	ASP	4.7
1	d	283	ALA	4.7
2	H	2037	PRO	4.7
2	I	1010	PRO	4.7
2	I	1641	GLU	4.7
2	g	605	ASP	4.7
1	B	1229	THR	4.7
1	C	872	THR	4.7
1	F	516	ARG	4.7
1	d	1847	PRO	4.7
2	g	613	ALA	4.7
1	d	263	GLY	4.6
1	f	263	GLY	4.6
2	G	1228	THR	4.7
2	I	1683	THR	4.7
2	K	735	GLY	4.6
2	L	735	GLY	4.6
2	k	1882	THR	4.7
1	e	267	VAL	4.6
2	k	1742	VAL	4.6
1	D	271	ASN	4.6
2	H	1858	ASN	4.6
2	g	440	ASN	4.6
2	i	996	ASN	4.6
1	C	999	LYS	4.6
1	C	1341	PHE	4.6
1	f	261	GLN	4.6
1	A	871	TRP	4.6
1	B	163	LEU	4.6
1	B	1075	TRP	4.6
1	C	1062	TYR	4.6
1	F	1055	TRP	4.6
1	d	1719	LEU	4.6
2	G	1035	TRP	4.6
1	F	628	SER	4.6
1	b	628	SER	4.6
2	K	1566	SER	4.6
1	D	1497	ALA	4.6

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Mol	Chain	Res	Type	RSRZ
1	d	1720	ALA	4.6
2	k	1125	ALA	4.6
2	J	1946	GLU	4.6
2	K	595	PRO	4.6
2	j	920	GLU	4.6
2	k	686	PRO	4.6
2	k	1332	ARG	4.6
2	k	1352	HIS	4.6
2	k	1887	GLU	4.6
2	l	1302	HIS	4.6
3	n	44	ARG	4.6
1	B	4	GLU	4.6
1	D	1273	ASP	4.6
1	E	202	GLU	4.6
1	E	925	ASP	4.6
1	e	925	ASP	4.6
2	L	1278	ASP	4.6
1	E	300	VAL	4.6
1	c	1768	GLY	4.6
1	e	1322	GLY	4.6
2	i	1499	VAL	4.6
2	j	68	VAL	4.6
2	l	699	GLY	4.6
1	e	1160	THR	4.6
2	K	646	THR	4.6
2	i	1741	ILE	4.6
2	l	301	THR	4.6
3	O	18	THR	4.6
3	o	150	ILE	4.6
1	B	271	ASN	4.6
1	b	927	ASN	4.6
1	e	624	LYS	4.6
1	f	1066	ASN	4.6
2	I	1950	LYS	4.6
2	K	440	ASN	4.6
2	h	1959	LYS	4.6
1	d	224	GLN	4.6
1	D	1294	SER	4.6
1	a	291	ALA	4.6
1	a	1369	ALA	4.6
1	c	1078	SER	4.6
1	d	235	SER	4.6

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Mol	Chain	Res	Type	RSRZ
2	G	613	ALA	4.6
1	E	1793	PRO	4.6
2	I	1016	PRO	4.6
2	L	506	PRO	4.6
2	k	1957	PRO	4.6
1	D	1534	ASP	4.6
1	E	272	GLU	4.6
1	d	259	GLY	4.6
2	H	1219	ILE	4.6
2	I	401	GLY	4.6
2	h	150	GLY	4.6
2	h	1179	GLY	4.6
2	j	98	GLY	4.6
2	k	1344	ASP	4.6
2	l	522	GLY	4.6
1	B	362	LEU	4.6
1	F	771	PHE	4.6
1	e	266	LEU	4.6
1	e	610	THR	4.6
1	e	1501	LEU	4.6
2	G	1165	PHE	4.6
2	I	24	THR	4.6
2	g	1275	PHE	4.6
2	j	201	THR	4.6
2	l	80	PHE	4.6
2	l	279	THR	4.6
2	L	1088	GLN	4.6
2	g	2044	ASN	4.6
2	h	1355	ASN	4.6
2	i	1149	TRP	4.6
2	L	609	ALA	4.6
1	A	273	PRO	4.6
1	b	601	VAL	4.6
1	A	1582	GLY	4.6
1	B	1850	GLU	4.6
1	a	874	GLY	4.6
1	c	169	SER	4.6
2	G	740	HIS	4.6
2	H	1191	SER	4.6
2	I	222	PRO	4.6
2	K	1585	SER	4.6
2	i	449	SER	4.6

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Mol	Chain	Res	Type	RSRZ
2	k	1536	PRO	4.6
2	k	1600	SER	4.6
2	l	854	ILE	4.6
2	l	2037	PRO	4.6
3	O	145	PRO	4.6
2	g	1512	HIS	4.6
2	j	708	GLY	4.6
2	l	544	LYS	4.6
3	o	90	GLU	4.6
1	A	974	ASP	4.6
1	D	262	ASP	4.6
1	A	294	TYR	4.6
1	E	1748	ASN	4.6
1	c	1798	TYR	4.6
1	d	249	TYR	4.6
1	d	881	ASN	4.6
2	K	1161	GLN	4.6
2	i	1896	GLN	4.6
3	M	12	GLN	4.6
1	A	1075	TRP	4.6
2	k	565	TYR	4.6
2	k	526	ARG	4.6
2	g	44	PRO	4.6
2	j	335	PRO	4.6
2	l	1547	PRO	4.6
1	D	1246	CYS	4.6
1	E	269	LEU	4.6
1	F	854	HIS	4.6
1	b	362	LEU	4.6
1	e	1026	GLU	4.6
2	G	642	GLU	4.6
2	h	430	HIS	4.6
2	l	1165	PHE	4.6
3	O	27	GLU	4.6
1	c	1875	ASP	4.6
1	B	197	THR	4.6
1	E	1865	THR	4.6
1	F	252	THR	4.6
2	K	155	GLN	4.6
2	h	1669	GLN	4.6
2	l	211	GLN	4.6
1	E	1780	ASN	4.6

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Mol	Chain	Res	Type	RSRZ
2	H	1693	ARG	4.6
2	I	372	ASN	4.6
2	l	1149	TRP	4.6
1	A	1369	ALA	4.6
2	I	133	ALA	4.6
2	h	722	ALA	4.6
2	l	509	ALA	4.6
2	g	1503	ILE	4.6
3	m	92	VAL	4.6
1	C	1415	GLY	4.6
1	b	1187	GLY	4.6
2	H	1955	PRO	4.6
2	J	1436	LYS	4.6
2	h	1904	LEU	4.6
2	l	136	PRO	4.6
2	H	771	PHE	4.6
1	b	207	GLU	4.6
1	c	1480	GLU	4.6
1	c	1703	HIS	4.6
1	c	1804	SER	4.6
1	f	148	SER	4.6
2	J	1507	GLU	4.6
2	K	1500	GLU	4.6
2	h	400	SER	4.6
2	j	1772	SER	4.6
2	k	618	GLU	4.6
2	j	1156	CYS	4.6
1	D	1333	ASP	4.6
2	L	1289	ASP	4.6
2	I	1882	THR	4.6
2	i	1495	THR	4.6
1	E	1084	VAL	4.6
1	b	1076	VAL	4.6
1	d	986	ALA	4.6
1	e	1720	ALA	4.6
1	f	1848	ALA	4.6
2	G	1952	ALA	4.6
2	H	1477	ALA	4.6
2	I	1535	ASN	4.6
2	L	2016	ALA	4.6
2	h	1841	ALA	4.6
1	D	1068	LYS	4.6

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Mol	Chain	Res	Type	RSRZ
1	d	619	LYS	4.6
2	L	132	MET	4.6
1	c	1767	GLY	4.6
1	e	814	GLY	4.6
1	f	1512	PHE	4.6
2	G	708	GLY	4.6
2	J	2037	PRO	4.6
2	g	401	GLY	4.6
2	i	506	PRO	4.6
2	j	678	PHE	4.6
2	j	430	HIS	4.6
1	D	443	SER	4.6
1	E	1061	SER	4.6
1	b	443	SER	4.6
2	H	848	SER	4.6
2	H	1734	SER	4.6
2	J	5	SER	4.6
2	h	1557	SER	4.6
2	h	1602	SER	4.6
1	D	1713	ASP	4.5
1	a	1209	ASP	4.5
2	K	1559	ASP	4.5
1	D	950	THR	4.5
1	a	482	GLN	4.5
1	c	181	THR	4.5
1	d	601	VAL	4.5
1	e	706	THR	4.5
2	K	1189	THR	4.5
2	I	561	TRP	4.5
2	L	805	VAL	4.5
2	L	1328	VAL	4.5
2	j	45	THR	4.5
2	j	275	GLN	4.5
3	Q	33	THR	4.5
1	a	290	MET	4.5
2	H	688	LEU	4.5
2	H	975	LYS	4.5
2	j	313	ALA	4.5
1	E	1729	GLY	4.5
1	a	499	PRO	4.5
1	e	1161	GLY	4.5
2	H	160	PHE	4.5

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Mol	Chain	Res	Type	RSRZ
2	J	1226	ASN	4.5
2	L	737	GLY	4.5
2	L	1450	PHE	4.5
1	F	1873	HIS	4.5
1	d	143	GLU	4.5
2	K	1199	GLU	4.5
1	F	1870	SER	4.5
2	I	400	SER	4.5
2	J	971	SER	4.5
3	Q	3	SER	4.5
2	l	1227	ARG	4.5
1	A	89	TYR	4.5
1	E	974	ASP	4.5
1	a	333	LYS	4.5
1	c	1779	ILE	4.5
2	K	352	TYR	4.5
1	b	1406	MET	4.5
1	d	859	ALA	4.5
1	f	288	ASP	4.5
2	H	1897	GLN	4.5
2	J	49	ALA	4.5
2	L	1966	CYS	4.5
2	g	60	LEU	4.5
2	h	2032	LEU	4.5
2	i	1344	ASP	4.5
2	j	557	LYS	4.5
2	l	1737	ILE	4.5
3	Q	140	VAL	4.5
2	H	616	THR	4.5
2	h	1979	THR	4.5
1	D	1102	GLY	4.5
1	a	1187	GLY	4.5
1	c	533	GLY	4.5
2	H	1421	ASN	4.5
2	K	1860	GLY	4.5
2	h	331	ASN	4.5
2	j	2012	PRO	4.5
2	k	1421	ASN	4.5
3	N	6	GLY	4.5
1	C	1852	HIS	4.5
1	A	818	ARG	4.5
1	a	4	GLU	4.5

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Mol	Chain	Res	Type	RSRZ
1	b	185	GLU	4.5
1	d	1657	HIS	4.5
1	f	1838	GLU	4.5
3	q	88	GLU	4.5
1	D	1628	SER	4.5
1	F	615	SER	4.5
1	d	296	SER	4.5
1	d	972	SER	4.5
1	d	1084	VAL	4.5
1	e	680	ILE	4.5
2	G	11	LEU	4.5
2	G	1172	LYS	4.5
2	G	1948	SER	4.5
2	K	355	LYS	4.5
2	K	438	LEU	4.5
2	K	476	SER	4.5
2	l	380	SER	4.5
1	F	1685	TYR	4.5
2	l	555	LEU	4.5
3	P	133	VAL	4.5
1	D	723	ALA	4.5
1	a	614	ALA	4.5
1	c	1	MET	4.5
1	c	973	ALA	4.5
1	f	1611	ALA	4.5
2	H	106	ALA	4.5
2	K	923	ALA	4.5
2	g	746	ALA	4.5
2	j	746	ALA	4.5
1	A	1866	ASP	4.5
1	F	58	GLN	4.5
1	F	1772	ASP	4.5
2	I	1032	ASP	4.5
2	K	365	GLN	4.5
2	i	776	ASP	4.5
3	N	12	GLN	4.5
1	B	629	THR	4.5
1	D	961	THR	4.5
1	b	629	THR	4.5
1	e	1792	THR	4.5
2	G	44	PRO	4.5
2	H	57	PRO	4.5

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Mol	Chain	Res	Type	RSRZ
2	H	1237	PRO	4.5
2	I	1957	PRO	4.5
2	k	772	GLY	4.5
1	A	457	ASN	4.5
1	C	1570	ASN	4.5
1	F	927	ASN	4.5
1	F	1338	GLU	4.5
1	e	919	LYS	4.5
1	e	1067	LEU	4.5
1	e	1835	LYS	4.5
2	I	992	GLU	4.5
2	G	1616	VAL	4.5
2	j	21	LEU	4.5
3	O	17	LYS	4.5
1	B	148	SER	4.5
1	a	1728	SER	4.5
1	b	168	MET	4.5
1	c	235	SER	4.5
2	H	1102	TYR	4.5
2	I	930	MET	4.5
2	l	69	SER	4.5
2	I	2026	PHE	4.5
1	C	1659	ASP	4.5
1	b	821	GLN	4.5
1	c	301	ASP	4.5
1	c	1508	TRP	4.5
1	f	1380	GLN	4.5
1	C	1718	PRO	4.5
1	a	389	GLY	4.5
1	d	392	THR	4.5
1	e	177	GLY	4.5
2	G	1391	ASP	4.5
2	g	1674	GLN	4.5
2	h	1513	GLY	4.5
2	j	949	ASP	4.5
2	l	287	ASP	4.5
3	O	12	GLN	4.5
2	H	335	PRO	4.5
2	J	1385	PRO	4.5
2	k	279	THR	4.5
3	q	144	THR	4.5
1	B	618	ASN	4.5

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Mol	Chain	Res	Type	RSRZ
1	c	1758	ASN	4.5
2	I	142	ASN	4.5
2	j	953	ARG	4.5
1	F	163	LEU	4.5
1	b	163	LEU	4.5
1	b	1852	HIS	4.5
1	c	518	LYS	4.5
2	i	672	LYS	4.5
2	k	86	LEU	4.5
1	e	1762	GLU	4.5
2	I	928	GLU	4.5
2	L	1471	GLU	4.5
2	h	1999	GLU	4.5
1	D	1720	ALA	4.5
1	d	1497	ALA	4.5
1	f	1733	PHE	4.5
2	H	1446	SER	4.5
2	i	1794	SER	4.5
1	C	389	GLY	4.5
1	E	1113	GLY	4.5
1	E	1569	GLY	4.5
2	H	1848	GLY	4.5
2	I	1674	GLN	4.5
2	g	98	GLY	4.5
2	i	505	GLY	4.5
1	C	461	THR	4.5
1	F	629	THR	4.5
1	F	1792	THR	4.5
1	d	403	ASP	4.5
2	I	506	PRO	4.5
2	h	52	ASP	4.5
2	j	1777	THR	4.5
3	r	84	ASP	4.5
1	d	624	LYS	4.5
1	e	64	LYS	4.5
2	G	592	LEU	4.5
2	I	187	LEU	4.5
2	j	65	LEU	4.5
2	l	643	LYS	4.5
2	g	1692	ASN	4.5
3	o	91	ILE	4.5
2	H	1256	GLU	4.5

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Mol	Chain	Res	Type	RSRZ
2	L	273	HIS	4.5
2	l	930	MET	4.5
2	I	1686	ALA	4.5
2	J	858	ALA	4.5
2	i	146	PHE	4.5
2	j	496	PHE	4.5
2	l	58	ALA	4.5
2	l	91	PHE	4.5
1	D	1743	SER	4.5
1	E	615	SER	4.5
1	c	1499	SER	4.5
2	g	552	SER	4.5
3	M	138	SER	4.5
1	D	874	GLY	4.5
2	H	276	GLY	4.5
2	I	1161	GLN	4.5
2	L	644	GLY	4.5
2	h	993	GLN	4.5
1	B	359	ARG	4.5
1	E	1724	LYS	4.5
2	G	643	LYS	4.5
2	H	403	ASP	4.5
2	H	847	ARG	4.5
2	J	906	THR	4.5
2	K	906	THR	4.5
2	h	1931	LEU	4.5
1	a	1076	VAL	4.5
1	b	815	ILE	4.5
2	I	244	ILE	4.5
1	e	1570	ASN	4.5
2	H	125	ASN	4.5
1	A	1720	ALA	4.5
1	f	66	GLU	4.5
2	J	285	GLU	4.5
2	K	746	ALA	4.5
2	L	1506	TYR	4.5
2	g	997	ALA	4.5
2	i	1099	ALA	4.5
2	k	1965	ALA	4.5
2	l	46	GLU	4.5
1	d	1422	GLY	4.5
1	D	238	PRO	4.4

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Mol	Chain	Res	Type	RSRZ
1	d	1743	SER	4.5
2	h	644	GLY	4.5
2	h	769	SER	4.5
2	h	1596	TRP	4.5
2	i	1414	GLY	4.5
1	e	861	GLN	4.4
2	H	1994	LYS	4.4
2	g	1986	LYS	4.4
2	h	736	ARG	4.4
1	C	88	ILE	4.4
1	f	606	ASP	4.4
2	I	251	VAL	4.4
2	I	1245	ASP	4.4
2	K	444	VAL	4.4
2	L	1162	ASP	4.4
2	g	1473	THR	4.4
2	h	940	ASP	4.4
2	i	775	ASP	4.4
2	i	959	THR	4.4
3	M	150	ILE	4.4
1	C	361	PHE	4.4
2	g	1474	PHE	4.4
1	B	723	ALA	4.4
1	D	1063	HIS	4.4
1	b	816	GLU	4.4
1	e	1498	GLU	4.4
2	H	396	ALA	4.4
2	H	1141	ALA	4.4
2	K	1477	ALA	4.4
2	g	1858	ASN	4.4
2	g	2046	GLU	4.4
2	j	95	TYR	4.4
2	I	161	GLY	4.4
2	i	1091	GLY	4.4
2	l	1607	GLY	4.4
1	C	400	ARG	4.4
1	E	1827	SER	4.4
1	e	231	ARG	4.4
1	e	1517	PRO	4.4
2	G	399	PRO	4.4
2	G	1536	PRO	4.4
2	I	226	PRO	4.4

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Mol	Chain	Res	Type	RSRZ
2	J	903	TRP	4.4
2	J	1921	LYS	4.4
2	g	938	TRP	4.4
2	k	567	PRO	4.4
2	k	1596	TRP	4.4
3	P	55	LYS	4.4
2	J	952	ARG	4.4
1	B	300	VAL	4.4
1	C	29	ILE	4.4
2	H	1503	ILE	4.4
1	C	1836	ASP	4.4
1	b	1077	ASP	4.4
1	c	1080	THR	4.4
1	e	1742	ASP	4.4
2	G	959	THR	4.4
2	I	1964	PHE	4.4
2	g	504	PHE	4.4
2	l	1079	ASP	4.4
2	l	1133	THR	4.4
3	o	101	ASP	4.4
1	D	1657	HIS	4.4
1	E	981	GLU	4.4
2	H	747	HIS	4.4
2	K	153	ASN	4.4
2	L	580	GLU	4.4
2	k	1758	HIS	4.4
2	l	740	HIS	4.4
2	G	1421	ASN	4.4
2	j	418	ASN	4.4
1	B	287	LEU	4.4
1	f	865	CYS	4.4
1	f	1422	GLY	4.4
2	H	1722	GLY	4.4
2	I	2014	LEU	4.4
2	L	228	LYS	4.4
2	g	524	GLY	4.4
2	g	802	GLY	4.4
2	l	238	CYS	4.4
1	B	985	ARG	4.4
1	D	359	ARG	4.4
2	G	1171	ARG	4.4
2	K	1227	ARG	4.4

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Mol	Chain	Res	Type	RSRZ
2	g	1849	ARG	4.4
2	j	1956	ARG	4.4
3	m	8	ARG	4.4
1	A	739	GLN	4.4
1	c	29	ILE	4.4
2	K	79	GLN	4.4
3	O	7	ILE	4.4
1	b	1822	SER	4.4
1	D	1406	MET	4.4
2	I	1323	MET	4.4
1	d	771	PHE	4.4
1	B	1772	ASP	4.4
1	C	1546	THR	4.4
1	D	181	THR	4.4
1	b	600	ASP	4.4
1	e	242	THR	4.4
2	H	100	ASP	4.4
2	H	1740	THR	4.4
2	g	1740	THR	4.4
2	h	782	THR	4.4
1	C	725	TYR	4.4
1	a	859	ALA	4.4
2	j	1059	ALA	4.4
1	A	1322	GLY	4.4
1	E	927	ASN	4.4
1	E	1838	GLU	4.4
1	F	1622	GLU	4.4
1	e	514	GLU	4.4
1	f	1156	GLU	4.4
2	H	573	LYS	4.4
2	I	1273	GLU	4.4
2	I	1895	ASN	4.4
2	K	956	GLU	4.4
2	K	1954	LYS	4.4
2	g	2049	GLU	4.4
2	j	546	GLU	4.4
2	j	1155	LEU	4.4
2	H	623	GLY	4.4
2	L	401	GLY	4.4
2	j	725	ASN	4.4
2	l	1753	LYS	4.4
2	K	736	ARG	4.4

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Mol	Chain	Res	Type	RSRZ
2	j	419	ARG	4.4
1	A	617	PRO	4.4
1	C	613	VAL	4.4
1	D	541	PRO	4.4
1	d	243	ILE	4.4
1	e	911	PRO	4.4
1	D	1327	CYS	4.4
2	G	1649	VAL	4.4
2	I	1237	PRO	4.4
2	L	1368	VAL	4.4
2	i	19	VAL	4.4
2	i	903	TRP	4.4
2	l	1888	ILE	4.4
2	K	1323	MET	4.4
2	h	900	GLN	4.4
2	J	1235	SER	4.4
2	K	1153	SER	4.4
2	i	678	PHE	4.4
1	B	1581	THR	4.4
1	C	1744	TYR	4.4
1	F	859	ALA	4.4
1	b	832	THR	4.4
1	b	1659	ASP	4.4
1	c	1548	ALA	4.4
1	f	52	THR	4.4
1	f	1529	TYR	4.4
2	H	249	TYR	4.4
2	H	746	ALA	4.4
2	K	435	ALA	4.4
2	K	1901	ALA	4.4
2	L	103	ALA	4.4
2	L	1440	ASP	4.4
2	k	745	ASP	4.4
1	E	1433	HIS	4.4
1	F	284	LYS	4.4
1	F	1068	LYS	4.4
1	f	1835	LYS	4.4
2	I	568	LYS	4.4
1	e	498	GLY	4.4
2	H	1144	GLY	4.4
1	c	622	ILE	4.4
2	K	131	ILE	4.4

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Mol	Chain	Res	Type	RSRZ
2	h	536	ASN	4.4
2	H	278	VAL	4.4
2	G	968	GLN	4.4
2	j	771	PHE	4.4
2	I	87	CYS	4.4
1	f	234	SER	4.4
2	K	1808	SER	4.4
1	F	1886	LYS	4.4
1	a	287	LEU	4.4
2	H	1240	TYR	4.4
2	I	1927	LEU	4.4
2	J	445	LYS	4.4
2	j	1768	LYS	4.4
2	l	1320	LEU	4.4
1	a	1717	ASP	4.4
2	I	186	ASP	4.4
2	I	2022	THR	4.4
2	l	1578	THR	4.4
2	G	264	ARG	4.4
2	H	248	HIS	4.4
1	D	1135	GLU	4.4
2	G	457	ILE	4.4
2	G	1579	ILE	4.4
2	I	505	GLY	4.4
2	J	842	GLY	4.4
2	K	802	GLY	4.4
2	L	1894	GLU	4.4
2	j	744	GLU	4.4
2	k	1806	GLY	4.4
2	l	1104	GLY	4.4
3	M	8	ARG	4.4
1	C	1781	VAL	4.4
1	E	953	VAL	4.4
2	H	1304	VAL	4.4
3	O	133	VAL	4.4
1	A	1734	ASN	4.4
1	D	775	PRO	4.4
1	F	1351	ASN	4.4
1	E	1512	PHE	4.4
1	a	28	TRP	4.4
1	b	1755	MET	4.4
2	I	1164	MET	4.4

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Mol	Chain	Res	Type	RSRZ
2	K	487	PRO	4.4
2	j	315	PRO	4.4
1	B	1385	GLN	4.4
1	c	1336	GLN	4.4
2	G	1202	GLN	4.4
2	k	715	GLN	4.4
1	A	1778	SER	4.4
1	B	369	ALA	4.4
1	E	1407	ALA	4.4
1	F	148	SER	4.4
1	a	512	SER	4.4
1	e	1827	SER	4.4
1	f	154	LEU	4.4
1	f	1730	SER	4.4
2	G	1597	ALA	4.4
2	H	1099	ALA	4.4
2	I	530	ALA	4.4
2	J	923	ALA	4.4
2	j	556	LYS	4.4
2	k	205	ALA	4.4
1	B	1074	GLY	4.4
1	C	681	THR	4.4
1	D	925	ASP	4.4
1	D	1542	HIS	4.4
1	F	603	ASP	4.4
1	d	1663	GLY	4.4
2	K	1558	GLY	4.4
2	h	1881	ARG	4.4
2	i	622	GLY	4.4
2	i	747	HIS	4.4
2	l	737	GLY	4.4
1	E	1135	GLU	4.4
1	c	1762	GLU	4.4
2	H	366	VAL	4.4
2	J	1785	GLU	4.4
2	g	1109	VAL	4.4
3	p	141	ASP	4.4
1	B	49	PRO	4.4
1	B	1399	PRO	4.4
1	D	94	PRO	4.4
1	c	1176	PRO	4.4
1	e	499	PRO	4.4

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Mol	Chain	Res	Type	RSRZ
2	L	1480	PHE	4.4
2	h	678	PHE	4.4
1	a	271	ASN	4.4
2	G	1561	ASN	4.4
1	e	1507	GLN	4.4
2	G	404	GLN	4.4
2	h	82	GLN	4.4
1	A	173	LYS	4.4
1	D	1548	ALA	4.3
2	g	1841	ALA	4.3
1	F	1872	SER	4.3
2	G	1102	TYR	4.3
2	L	1873	TYR	4.3
2	g	1817	SER	4.3
1	B	260	ARG	4.3
1	a	480	CYS	4.3
1	B	1651	GLY	4.3
1	C	823	ILE	4.3
1	d	27	ARG	4.3
2	j	469	ARG	4.3
2	h	261	GLY	4.3
3	p	148	ILE	4.3
1	a	953	VAL	4.3
1	c	1432	HIS	4.3
2	G	1549	THR	4.3
2	H	1580	THR	4.3
2	h	1662	THR	4.3
3	n	108	VAL	4.3
1	B	1511	ASP	4.3
1	D	1209	ASP	4.3
1	d	282	ASP	4.3
2	I	797	ASP	4.3
2	g	1720	HIS	4.3
1	b	205	PRO	4.3
1	b	1774	GLU	4.3
2	J	1098	PRO	4.3
2	h	53	GLU	4.3
2	i	293	PHE	4.3
2	i	949	ASP	4.3
2	j	745	ASP	4.3
2	j	1245	ASP	4.3
2	k	1289	ASP	4.3

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Mol	Chain	Res	Type	RSRZ
2	h	54	PRO	4.3
2	j	426	PRO	4.3
2	k	1488	PRO	4.3
2	l	170	PHE	4.3
2	l	1199	GLU	4.3
1	e	763	TRP	4.3
1	A	495	LYS	4.3
1	B	1854	ASN	4.3
1	a	481	LYS	4.3
2	H	134	LYS	4.3
1	E	1000	GLN	4.3
1	d	1500	GLN	4.3
2	l	178	GLN	4.3
2	L	1621	ALA	4.3
2	i	1947	ALA	4.3
1	F	632	ARG	4.3
1	f	289	SER	4.3
2	H	369	SER	4.3
2	H	1861	ARG	4.3
2	h	1313	SER	4.3
2	l	196	SER	4.3
2	l	626	SER	4.3
3	N	21	SER	4.3
1	B	970	GLY	4.3
1	E	876	GLY	4.3
2	J	1649	VAL	4.3
2	l	182	VAL	4.3
3	Q	133	VAL	4.3
1	a	194	PHE	4.3
1	d	865	CYS	4.3
2	H	1720	HIS	4.3
2	J	45	THR	4.3
2	K	548	PHE	4.3
2	L	1196	THR	4.3
2	j	942	THR	4.3
2	j	1581	HIS	4.3
1	B	1120	GLU	4.3
1	a	617	PRO	4.3
1	a	661	ASP	4.3
1	f	1705	PRO	4.3
2	H	367	GLU	4.3
2	I	1272	ASP	4.3

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Mol	Chain	Res	Type	RSRZ
2	h	567	PRO	4.3
2	i	2043	ASP	4.3
2	k	1122	GLU	4.3
2	l	179	THR	4.3
2	l	797	ASP	4.3
1	f	1508	TRP	4.3
1	f	1719	LEU	4.3
2	l	1949	LYS	4.3
2	l	1958	LEU	4.3
1	D	1739	GLN	4.3
1	b	1748	ASN	4.3
1	d	821	GLN	4.3
2	G	1716	ASN	4.3
2	h	155	GLN	4.3
2	k	50	ALA	4.3
1	D	873	ARG	4.3
1	a	651	TYR	4.3
2	H	1956	ARG	4.3
2	H	2042	ILE	4.3
2	j	1441	ILE	4.3
1	A	519	VAL	4.3
2	G	531	GLY	4.3
2	K	1893	VAL	4.3
2	L	770	GLY	4.3
2	h	802	GLY	4.3
2	h	1180	MET	4.3
2	j	291	SER	4.3
2	j	1190	SER	4.3
2	l	772	GLY	4.3
2	l	1615	MET	4.3
3	P	147	SER	4.3
1	F	1749	THR	4.3
1	a	633	GLU	4.3
1	b	501	THR	4.3
1	e	950	THR	4.3
2	I	86	LEU	4.3
2	I	1422	THR	4.3
2	I	2012	PRO	4.3
2	K	1748	THR	4.3
2	L	1364	LYS	4.3
2	L	1365	PRO	4.3
2	g	238	CYS	4.3

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Mol	Chain	Res	Type	RSRZ
2	h	1013	LYS	4.3
2	i	1448	GLU	4.3
2	j	642	GLU	4.3
2	j	1946	GLU	4.3
1	F	1273	ASP	4.3
2	J	1092	ASP	4.3
2	g	81	ASP	4.3
2	i	1035	TRP	4.3
1	D	1818	ALA	4.3
1	b	614	ALA	4.3
1	b	1369	ALA	4.3
2	H	1928	GLN	4.3
2	j	530	ALA	4.3
2	g	804	ARG	4.3
2	i	1478	ASN	4.3
2	k	1367	GLN	4.3
2	l	316	ASN	4.3
2	l	900	GLN	4.3
1	F	651	TYR	4.3
3	r	148	ILE	4.3
1	f	1381	GLY	4.3
1	f	1811	GLY	4.3
2	L	772	GLY	4.3
2	j	597	MET	4.3
2	G	504	PHE	4.3
2	H	939	PHE	4.3
2	k	771	PHE	4.3
1	B	512	SER	4.3
1	C	269	LEU	4.3
1	c	296	SER	4.3
2	i	400	SER	4.3
1	B	830	HIS	4.3
1	e	770	PRO	4.3
2	I	445	LYS	4.3
2	K	8	PRO	4.3
1	C	330	GLU	4.3
1	E	1752	THR	4.3
2	K	367	GLU	4.3
2	K	1228	THR	4.3
1	f	1836	ASP	4.3
2	J	186	ASP	4.3
2	J	1945	ASP	4.3

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Mol	Chain	Res	Type	RSRZ
1	A	986	ALA	4.3
1	a	727	ALA	4.3
1	b	409	ALA	4.3
1	e	520	ARG	4.3
1	f	884	ILE	4.3
2	K	469	ARG	4.3
2	g	1398	ARG	4.3
2	j	484	ILE	4.3
1	C	1883	VAL	4.3
2	K	34	GLN	4.3
2	J	418	ASN	4.3
2	h	565	TYR	4.3
2	j	211	GLN	4.3
1	F	599	MET	4.3
1	c	299	GLY	4.3
1	e	1830	GLY	4.3
2	I	1670	GLY	4.3
2	L	496	PHE	4.3
2	i	1144	GLY	4.3
2	j	1400	GLY	4.3
2	g	41	LEU	4.3
1	D	169	SER	4.3
1	a	258	SER	4.3
2	g	57	PRO	4.3
2	j	1975	PRO	4.3
1	E	854	HIS	4.3
1	b	1364	GLU	4.3
1	c	981	GLU	4.3
1	d	1233	GLU	4.3
1	f	1817	GLU	4.3
2	I	6	THR	4.3
2	K	259	THR	4.3
2	L	1596	TRP	4.3
1	A	262	ASP	4.3
1	D	1070	ARG	4.3
1	E	1088	ASP	4.3
1	c	769	ILE	4.3
1	c	1717	ASP	4.3
1	e	282	ASP	4.3
2	H	683	ALA	4.3
2	I	1479	ILE	4.3
2	k	1123	ASP	4.3

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Mol	Chain	Res	Type	RSRZ
2	k	1567	ARG	4.3
2	l	1093	ASP	4.3
1	c	1076	VAL	4.3
1	f	601	VAL	4.3
2	L	1504	VAL	4.3
2	G	1164	MET	4.3
1	D	928	GLY	4.3
1	D	1067	LEU	4.3
1	C	360	LYS	4.3
1	C	1323	LYS	4.3
1	F	1758	ASN	4.3
1	c	72	LEU	4.3
2	K	678	PHE	4.3
1	e	457	ASN	4.3
2	G	451	ASN	4.3
2	K	390	ASN	4.3
2	g	214	ASN	4.3
2	l	560	ASN	4.3
1	E	1032	SER	4.3
1	a	1884	SER	4.3
2	G	803	SER	4.3
2	J	2012	PRO	4.3
2	k	8	PRO	4.3
2	J	855	HIS	4.3
1	b	297	ILE	4.3
2	H	1737	ILE	4.3
2	J	1420	GLU	4.3
2	I	1555	ARG	4.3
3	N	11	ILE	4.3
3	q	150	ILE	4.3
1	D	502	ALA	4.3
1	E	1186	ALA	4.3
1	F	723	ALA	4.3
1	d	1186	ALA	4.3
1	d	1195	ALA	4.3
2	I	1687	ALA	4.3
2	I	1718	THR	4.3
2	I	1864	ALA	4.3
2	K	979	ALA	4.3
2	I	366	VAL	4.3
2	I	579	VAL	4.3
2	g	646	THR	4.3

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Mol	Chain	Res	Type	RSRZ
2	i	1374	THR	4.3
3	O	144	THR	4.3
3	n	47	ALA	4.3
1	D	1072	TYR	4.3
1	c	1481	ASP	4.3
1	e	661	ASP	4.3
2	L	1700	ASP	4.3
2	j	81	ASP	4.3
2	j	1852	TYR	4.3
2	k	403	ASP	4.3
1	a	214	GLN	4.3
2	G	1311	PHE	4.3
2	J	1054	LEU	4.3
2	l	34	GLN	4.3
1	B	240	GLY	4.3
1	C	521	LYS	4.3
1	a	1166	LYS	4.3
2	J	1056	GLY	4.3
2	k	842	GLY	4.3
1	F	1608	ASN	4.3
1	b	1854	ASN	4.3
2	J	447	ASN	4.3
2	K	1561	ASN	4.3
1	B	1628	SER	4.2
1	D	657	SER	4.2
1	d	73	SER	4.2
2	L	1643	ARG	4.2
2	k	2011	ILE	4.2
1	D	1832	ALA	4.2
1	c	1801	ALA	4.2
1	d	16	GLU	4.2
1	d	202	GLU	4.2
1	d	1285	ALA	4.2
1	d	1679	ALA	4.2
2	J	1044	VAL	4.2
2	J	1864	ALA	4.2
2	g	151	GLU	4.2
2	h	58	ALA	4.2
2	j	1894	GLU	4.2
3	q	4	ALA	4.2
1	A	1719	LEU	4.2
1	D	1062	TYR	4.2

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Mol	Chain	Res	Type	RSRZ
1	E	1733	PHE	4.2
1	b	706	THR	4.2
2	I	427	PHE	4.2
2	I	492	THR	4.2
2	h	597	MET	4.2
2	l	499	THR	4.2
1	a	236	LYS	4.2
1	A	970	GLY	4.2
1	C	661	ASP	4.2
1	c	1772	ASP	4.2
1	d	600	ASP	4.2
2	G	454	ASP	4.2
2	k	1639	LYS	4.2
2	j	388	GLY	4.2
3	o	5	GLY	4.2
3	o	136	ASP	4.2
1	E	1610	ASN	4.2
2	I	224	ASN	4.2
2	I	1851	ASN	4.2
2	K	553	ASN	4.2
2	h	553	ASN	4.2
2	h	612	ASN	4.2
2	h	725	ASN	4.2
2	l	1421	ASN	4.2
1	b	954	ARG	4.2
2	i	1737	ILE	4.2
1	D	859	ALA	4.2
1	F	1221	GLU	4.2
1	b	254	TRP	4.2
1	e	827	SER	4.2
2	I	1087	HIS	4.2
1	b	599	MET	4.2
1	e	1788	GLU	4.2
1	f	1475	GLU	4.2
2	G	367	GLU	4.2
2	L	833	GLU	4.2
2	j	1152	ALA	4.2
2	j	1886	VAL	4.2
2	l	410	SER	4.2
2	l	1739	GLU	4.2
1	A	521	LYS	4.2
1	C	286	PHE	4.2

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Mol	Chain	Res	Type	RSRZ
1	d	394	PHE	4.2
2	g	258	PHE	4.2
1	E	817	THR	4.2
1	E	872	THR	4.2
1	b	1529	TYR	4.2
2	j	836	TYR	4.2
2	j	1268	LYS	4.2
2	j	1980	TYR	4.2
3	o	109	TYR	4.2
1	F	1359	GLY	4.2
1	b	1811	GLY	4.2
1	c	177	GLY	4.2
2	G	242	GLY	4.2
1	B	282	ASP	4.2
1	B	1794	GLN	4.2
1	C	1874	ASP	4.2
1	f	603	ASP	4.2
2	H	79	GLN	4.2
2	H	384	GLN	4.2
2	K	1896	GLN	4.2
2	h	1310	ASP	4.2
2	i	503	ASP	4.2
2	k	1920	GLN	4.2
1	B	444	ASN	4.2
1	B	1441	PRO	4.2
1	C	257	PRO	4.2
1	C	520	ARG	4.2
1	F	247	ARG	4.2
1	b	1066	ASN	4.2
1	e	437	ILE	4.2
2	G	1966	CYS	4.2
2	g	792	PRO	4.2
2	k	1975	PRO	4.2
2	l	131	ILE	4.2
2	l	1355	ASN	4.2
1	f	701	ALA	4.2
2	H	1901	ALA	4.2
2	K	366	VAL	4.2
2	K	1065	VAL	4.2
2	j	452	ALA	4.2
2	j	844	VAL	4.2
2	j	941	VAL	4.2

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Mol	Chain	Res	Type	RSRZ
2	l	49	ALA	4.2
3	Q	4	ALA	4.2
1	D	1010	GLU	4.2
1	b	1763	LYS	4.2
1	c	1568	GLU	4.2
1	f	1763	LYS	4.2
2	G	43	GLU	4.2
2	I	810	GLU	4.2
2	h	1497	GLU	4.2
2	i	1438	SER	4.2
2	j	625	PHE	4.2
2	j	810	GLU	4.2
2	k	1146	GLU	4.2
2	k	1865	SER	4.2
3	M	34	GLU	4.2
3	O	104	GLU	4.2
3	R	21	SER	4.2
2	K	460	TYR	4.2
2	k	1357	TYR	4.2
1	A	817	THR	4.2
1	C	895	THR	4.2
1	E	759	GLY	4.2
1	a	817	THR	4.2
2	G	286	THR	4.2
2	H	194	THR	4.2
2	h	2033	THR	4.2
1	d	1147	GLN	4.2
2	H	350	GLN	4.2
1	A	1659	ASP	4.2
2	H	940	ASP	4.2
2	g	1505	ASP	4.2
2	h	1440	ASP	4.2
3	Q	25	ASP	4.2
1	D	277	LEU	4.2
1	E	337	VAL	4.2
1	a	734	VAL	4.2
1	b	63	ASN	4.2
2	G	153	ASN	4.2
2	L	519	ASN	4.2
2	g	514	VAL	4.2
2	k	553	ASN	4.2
3	q	137	ASN	4.2

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Mol	Chain	Res	Type	RSRZ
1	C	1844	LYS	4.2
1	b	1810	ALA	4.2
1	c	1504	ALA	4.2
1	f	1873	HIS	4.2
2	H	137	PHE	4.2
2	L	1485	CYS	4.2
2	g	1255	MET	4.2
2	h	1805	ALA	4.2
2	j	740	HIS	4.2
2	j	1352	HIS	4.2
1	B	708	SER	4.2
1	b	208	GLU	4.2
1	c	1735	SER	4.2
1	e	1032	SER	4.2
1	e	1479	SER	4.2
1	E	1248	GLY	4.2
2	i	861	GLY	4.2
2	j	614	GLY	4.2
3	R	6	GLY	4.2
1	F	392	THR	4.2
2	G	45	THR	4.2
2	I	900	GLN	4.2
2	i	1061	GLN	4.2
2	G	1737	ILE	4.2
2	L	797	ASP	4.2
2	k	204	ASP	4.2
2	k	1162	ASP	4.2
2	l	2043	ASP	4.2
2	H	8	PRO	4.2
2	I	239	PRO	4.2
2	I	1098	PRO	4.2
2	I	1987	PRO	4.2
2	i	793	PRO	4.2
1	e	1090	LYS	4.2
2	L	1306	ASN	4.2
2	j	1621	ALA	4.2
2	k	390	ASN	4.2
2	k	1841	ALA	4.2
2	l	1512	HIS	4.2
1	D	1712	GLU	4.2
1	F	1496	GLU	4.2
1	d	358	GLU	4.2

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Mol	Chain	Res	Type	RSRZ
2	J	956	GLU	4.2
1	D	1647	GLY	4.2
1	d	1339	GLY	4.2
2	I	1938	GLY	4.2
3	R	109	TYR	4.2
1	f	1800	SER	4.2
2	J	369	SER	4.2
2	J	472	SER	4.2
2	l	449	SER	4.2
1	B	1022	THR	4.2
1	F	681	THR	4.2
1	d	242	THR	4.2
1	e	197	THR	4.2
2	G	1036	GLN	4.2
2	I	1909	THR	4.2
2	g	45	THR	4.2
3	r	8	ARG	4.2
1	F	189	ASP	4.2
1	a	5	VAL	4.2
1	b	828	PRO	4.2
1	e	825	PRO	4.2
1	e	1866	ASP	4.2
1	f	1636	VAL	4.2
2	H	1194	VAL	4.2
2	h	1245	ASP	4.2
2	h	1994	LYS	4.2
2	i	1324	ASP	4.2
2	k	976	PRO	4.2
2	l	100	ASP	4.2
1	F	1091	ALA	4.2
1	d	1541	PHE	4.2
2	L	583	PHE	4.2
2	k	746	ALA	4.2
2	k	1866	PHE	4.2
2	G	1415	ASN	4.2
2	H	359	HIS	4.2
2	H	1884	TRP	4.2
2	I	741	HIS	4.2
2	J	1421	ASN	4.2
2	i	1858	ASN	4.2
2	k	1217	ASN	4.2
2	l	418	ASN	4.2

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Mol	Chain	Res	Type	RSRZ
1	C	1509	GLY	4.2
1	E	1074	GLY	4.2
1	b	188	GLY	4.2
1	c	1378	GLU	4.2
1	e	191	GLY	4.2
2	H	242	GLY	4.2
2	I	735	GLY	4.2
2	g	644	GLY	4.2
2	k	833	GLU	4.2
2	l	1926	GLU	4.2
1	e	1723	SER	4.2
1	f	857	SER	4.2
2	G	645	SER	4.2
2	J	400	SER	4.2
2	g	417	SER	4.2
2	l	1566	SER	4.2
1	C	442	ARG	4.2
1	d	1652	GLN	4.2
1	e	641	ARG	4.2
2	G	86	LEU	4.2
2	G	2027	GLN	4.2
2	H	96	LEU	4.2
1	C	26	VAL	4.2
1	F	497	THR	4.2
1	b	875	THR	4.2
1	b	1068	LYS	4.2
1	f	1172	THR	4.2
2	L	1483	VAL	4.2
2	h	935	THR	4.2
2	h	1663	THR	4.2
2	i	1166	VAL	4.2
2	j	733	THR	4.2
2	j	2033	THR	4.2
2	k	1375	THR	4.2
2	l	846	VAL	4.2
3	N	17	LYS	4.2
1	C	49	PRO	4.2
1	E	238	PRO	4.2
1	e	617	PRO	4.2
2	G	1103	PHE	4.2
2	I	1660	PRO	4.2
2	L	1486	PHE	4.2

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Mol	Chain	Res	Type	RSRZ
2	j	305	PHE	4.2
1	D	373	ALA	4.2
1	E	288	ASP	4.2
1	f	1088	ASP	4.2
1	f	1382	ALA	4.2
2	G	1152	ALA	4.2
2	H	1965	ALA	4.2
2	g	1599	ASP	4.2
2	i	1787	ALA	4.2
2	j	270	ALA	4.2
2	j	1294	ALA	4.2
2	k	113	ASP	4.2
2	l	467	ASP	4.2
1	B	1647	GLY	4.1
1	C	358	GLU	4.1
1	c	178	GLY	4.1
2	J	13	HIS	4.1
2	L	165	ASN	4.1
2	L	212	GLY	4.1
2	L	699	GLY	4.1
2	L	1246	ASN	4.1
2	i	2013	ASN	4.1
1	c	202	GLU	4.1
1	e	1782	GLU	4.1
2	J	1737	ILE	4.1
1	B	258	SER	4.1
1	a	289	SER	4.1
2	h	15	SER	4.1
1	C	424	VAL	4.1
1	d	1868	LYS	4.1
1	f	1652	GLN	4.1
2	j	811	VAL	4.1
2	l	349	VAL	4.1
1	C	25	PRO	4.1
1	b	196	THR	4.1
1	d	497	THR	4.1
2	G	55	THR	4.1
2	I	1176	PRO	4.1
2	K	54	PRO	4.1
2	g	845	THR	4.1
2	g	1547	PRO	4.1
2	i	656	PRO	4.1

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Mol	Chain	Res	Type	RSRZ
2	k	1740	THR	4.1
1	d	973	ALA	4.1
2	K	1841	ALA	4.1
2	L	49	ALA	4.1
1	F	403	ASP	4.1
2	h	503	ASP	4.1
2	k	454	ASP	4.1
1	F	1100	HIS	4.1
1	F	1813	TRP	4.1
1	f	1192	GLY	4.1
2	H	507	GLY	4.1
2	J	588	GLY	4.1
2	i	772	GLY	4.1
2	l	770	GLY	4.1
1	C	1850	GLU	4.1
1	D	1132	GLU	4.1
1	E	721	ILE	4.1
1	a	256	LEU	4.1
2	H	1188	ASN	4.1
2	H	1269	LEU	4.1
3	N	15	GLU	4.1
3	N	106	GLU	4.1
1	C	27	ARG	4.1
1	d	1609	ARG	4.1
2	I	469	ARG	4.1
2	g	1881	ARG	4.1
2	I	243	VAL	4.1
2	l	1175	LYS	4.1
1	b	1032	SER	4.1
2	K	1850	SER	4.1
2	l	70	SER	4.1
1	C	1739	GLN	4.1
2	l	1738	PHE	4.1
1	B	1428	THR	4.1
1	C	1091	ALA	4.1
1	b	1073	THR	4.1
1	d	1846	ALA	4.1
1	e	458	THR	4.1
2	g	1099	ALA	4.1
1	C	603	ASP	4.1
1	E	675	ASP	4.1
1	d	355	ASP	4.1

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Mol	Chain	Res	Type	RSRZ
2	k	1903	ASP	4.1
2	k	1908	ASP	4.1
1	d	1031	GLY	4.1
1	e	163	LEU	4.1
1	e	1383	GLY	4.1
1	c	1873	HIS	4.1
2	k	832	TRP	4.1
2	l	1479	ILE	4.1
1	F	521	LYS	4.1
2	G	805	VAL	4.1
2	K	1472	VAL	4.1
3	p	143	VAL	4.1
2	G	1474	PHE	4.1
2	L	48	PHE	4.1
1	E	230	SER	4.1
1	F	1206	SER	4.1
1	c	1032	SER	4.1
1	d	1517	PRO	4.1
2	I	834	GLN	4.1
2	L	1808	SER	4.1
2	h	410	SER	4.1
1	A	57	ALA	4.1
1	E	380	ALA	4.1
1	e	1022	THR	4.1
2	G	1774	THR	4.1
2	I	1426	THR	4.1
1	A	815	ILE	4.1
1	C	263	GLY	4.1
1	C	1811	GLY	4.1
2	J	1741	ILE	4.1
2	j	770	GLY	4.1
2	j	1923	ASP	4.1
2	k	67	TYR	4.1
3	n	56	LEU	4.1
1	E	1334	ASP	4.1
1	d	33	ASP	4.1
1	f	1550	ASP	4.1
2	G	1280	ASP	4.1
1	F	1868	LYS	4.1
1	a	1841	ARG	4.1
1	b	853	TRP	4.1
1	b	1761	LYS	4.1

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Mol	Chain	Res	Type	RSRZ
3	q	110	ARG	4.1
1	a	143	GLU	4.1
1	d	1431	GLU	4.1
1	f	1238	VAL	4.1
2	I	1492	GLU	4.1
2	I	1551	GLU	4.1
2	J	1749	GLU	4.1
2	j	367	GLU	4.1
1	D	1610	ASN	4.1
2	G	558	ASN	4.1
1	D	539	SER	4.1
1	D	1091	ALA	4.1
1	b	1882	ALA	4.1
1	f	631	PRO	4.1
1	f	973	ALA	4.1
2	G	1618	PRO	4.1
2	J	399	PRO	4.1
2	L	640	GLN	4.1
2	L	1438	SER	4.1
2	g	211	GLN	4.1
2	k	882	PRO	4.1
2	l	1968	PRO	4.1
1	f	1321	SER	4.1
2	l	369	SER	4.1
1	b	1823	LEU	4.1
1	c	163	LEU	4.1
2	G	1748	THR	4.1
2	L	45	THR	4.1
2	j	1437	THR	4.1
3	m	56	LEU	4.1
1	f	1863	GLY	4.1
2	G	131	ILE	4.1
1	C	294	TYR	4.1
1	e	725	TYR	4.1
2	K	1623	LYS	4.1
2	L	1639	LYS	4.1
2	h	162	GLY	4.1
2	h	1848	GLY	4.1
3	Q	52	TYR	4.1
1	B	1550	ASP	4.1
1	C	649	TRP	4.1
1	a	189	ASP	4.1

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Mol	Chain	Res	Type	RSRZ
2	I	461	ASP	4.1
2	I	977	ASP	4.1
2	K	138	ASP	4.1
2	g	534	ASP	4.1
2	k	433	VAL	4.1
2	l	503	ASP	4.1
1	A	208	GLU	4.1
1	A	612	GLU	4.1
1	B	1117	GLU	4.1
2	H	43	GLU	4.1
2	I	583	PHE	4.1
3	O	149	PHE	4.1
1	B	1245	ASN	4.1
1	C	1737	ASN	4.1
2	L	214	ASN	4.1
1	A	1269	PRO	4.1
1	C	962	ALA	4.1
1	D	1176	PRO	4.1
1	D	1363	ALA	4.1
1	a	1348	ALA	4.1
1	c	976	ALA	4.1
2	G	1477	ALA	4.1
2	I	335	PRO	4.1
2	L	1552	PRO	4.1
2	k	133	ALA	4.1
2	k	2016	ALA	4.1
1	D	1308	SER	4.1
1	F	1728	SER	4.1
2	J	1157	SER	4.1
2	L	639	SER	4.1
2	j	803	SER	4.1
3	N	85	SER	4.1
3	m	76	SER	4.1
1	e	823	ILE	4.1
2	G	856	LYS	4.1
1	f	1528	THR	4.1
2	H	526	ARG	4.1
2	H	1193	THR	4.1
2	I	1400	GLY	4.1
2	I	1848	GLY	4.1
2	J	1956	ARG	4.1
2	i	532	THR	4.1

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Mol	Chain	Res	Type	RSRZ
2	k	736	ARG	4.1
3	Q	8	ARG	4.1
3	o	112	THR	4.1
1	C	1825	VAL	4.1
1	D	300	VAL	4.1
1	b	1771	VAL	4.1
1	b	1869	VAL	4.1
2	J	805	VAL	4.1
1	c	406	TRP	4.1
1	b	288	ASP	4.1
2	G	2026	PHE	4.1
2	L	1449	TRP	4.1
2	g	1270	TRP	4.1
2	i	482	CYS	4.1
1	C	783	HIS	4.1
2	H	503	ASP	4.1
2	I	974	ASP	4.1
2	J	1543	ASP	4.1
2	i	467	ASP	4.1
2	j	855	HIS	4.1
1	C	1774	GLU	4.1
2	l	121	GLU	4.1
1	B	1348	ALA	4.1
1	C	1497	ALA	4.1
1	E	71	ALA	4.1
1	a	1442	ASN	4.1
1	c	71	ALA	4.1
1	e	604	ALA	4.1
2	H	1995	ASN	4.1
2	J	458	PRO	4.1
2	K	136	PRO	4.1
2	g	553	ASN	4.1
2	h	57	PRO	4.1
2	j	979	ALA	4.1
2	j	1906	ALA	4.1
2	l	154	ALA	4.1
1	e	224	GLN	4.1
2	G	405	SER	4.1
2	G	1313	SER	4.1
2	H	969	SER	4.1
2	J	1544	SER	4.1
2	L	1585	SER	4.1

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Mol	Chain	Res	Type	RSRZ
2	i	1511	SER	4.1
2	j	268	LYS	4.1
2	j	1566	SER	4.1
2	G	589	ARG	4.1
2	g	772	GLY	4.1
2	j	1090	TYR	4.1
3	m	77	GLY	4.1
1	D	1777	THR	4.1
1	b	1541	PHE	4.1
1	d	1234	MET	4.1
2	H	1160	THR	4.1
2	I	371	VAL	4.1
2	j	494	THR	4.1
3	M	140	VAL	4.1
3	O	143	VAL	4.1
1	E	1075	TRP	4.1
1	F	1516	ASP	4.0
1	b	856	GLU	4.0
1	c	376	ASP	4.0
1	c	603	ASP	4.0
1	e	606	ASP	4.0
1	f	1364	GLU	4.0
1	f	1742	ASP	4.0
2	G	204	ASP	4.0
2	H	534	ASP	4.0
2	J	534	ASP	4.0
2	K	1067	ASP	4.0
2	g	2036	GLU	4.0
2	h	1222	GLU	4.0
2	h	1309	GLU	4.0
2	j	1559	ASP	4.0
3	M	78	ASP	4.0
3	m	57	GLU	4.0
1	c	747	ALA	4.0
1	d	285	ALA	4.0
1	e	1880	ALA	4.0
1	f	1497	ALA	4.0
2	H	374	ALA	4.0
2	H	1152	ALA	4.0
2	g	1787	ALA	4.0
2	i	260	PRO	4.0
2	j	555	LEU	4.0

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Mol	Chain	Res	Type	RSRZ
2	j	2032	LEU	4.0
2	k	724	PRO	4.0
2	k	1660	PRO	4.0
1	D	669	ASN	4.0
1	D	1403	ILE	4.0
1	e	1386	ILE	4.0
1	f	1746	ASN	4.0
2	G	1484	LYS	4.0
2	L	1928	GLN	4.0
2	g	900	GLN	4.0
2	k	1795	LYS	4.0
1	f	1609	ARG	4.0
1	B	1248	GLY	4.0
1	C	1722	VAL	4.0
1	d	1723	SER	4.0
2	H	734	GLY	4.0
2	H	1556	VAL	4.0
2	I	1603	SER	4.0
2	j	1121	SER	4.0
3	q	142	VAL	4.0
1	E	168	MET	4.0
2	H	338	MET	4.0
2	h	801	PHE	4.0
2	j	1615	MET	4.0
2	l	427	PHE	4.0
1	C	60	THR	4.0
1	C	1229	THR	4.0
1	b	1544	THR	4.0
2	K	301	THR	4.0
2	g	55	THR	4.0
2	i	225	THR	4.0
1	D	1689	HIS	4.0
1	d	250	LEU	4.0
1	e	422	HIS	4.0
2	J	1434	HIS	4.0
1	B	199	GLU	4.0
1	F	912	GLU	4.0
1	b	1720	ALA	4.0
1	d	603	ASP	4.0
1	f	1077	ASP	4.0
2	G	833	GLU	4.0
2	H	90	GLU	4.0

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Mol	Chain	Res	Type	RSRZ
2	K	2032	LEU	4.0
1	F	257	PRO	4.0
1	d	617	PRO	4.0
1	f	1517	PRO	4.0
2	G	452	ALA	4.0
2	I	1321	ALA	4.0
2	k	1253	GLU	4.0
2	I	1530	LYS	4.0
2	h	1016	PRO	4.0
2	k	1773	ALA	4.0
1	A	1570	ASN	4.0
1	d	918	GLN	4.0
2	J	998	GLN	4.0
2	L	589	ARG	4.0
2	L	1367	GLN	4.0
2	h	365	GLN	4.0
2	i	1226	ASN	4.0
2	j	390	ASN	4.0
2	k	418	ASN	4.0
2	l	1445	ARG	4.0
2	l	1892	ASN	4.0
1	A	601	VAL	4.0
1	B	726	GLY	4.0
1	C	1185	VAL	4.0
1	D	870	GLY	4.0
1	D	1248	GLY	4.0
1	F	1771	VAL	4.0
1	b	1227	GLY	4.0
2	G	276	GLY	4.0
2	l	302	VAL	4.0
2	l	623	GLY	4.0
3	q	5	GLY	4.0
1	D	1728	SER	4.0
1	b	879	SER	4.0
1	b	1800	SER	4.0
2	H	678	PHE	4.0
2	k	160	PHE	4.0
1	C	522	LEU	4.0
1	C	1828	LEU	4.0
1	E	1022	THR	4.0
1	b	1813	TRP	4.0
1	E	1731	LEU	4.0

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Mol	Chain	Res	Type	RSRZ
2	g	2014	LEU	4.0
2	k	216	LEU	4.0
2	k	1748	THR	4.0
3	Q	107	THR	4.0
1	A	1233	GLU	4.0
1	A	1496	GLU	4.0
1	A	1726	LYS	4.0
1	e	783	HIS	4.0
1	D	1431	GLU	4.0
1	b	143	GLU	4.0
1	d	1106	ILE	4.0
2	H	1471	GLU	4.0
2	g	683	ALA	4.0
2	g	823	ALA	4.0
2	j	1841	ALA	4.0
2	l	241	ILE	4.0
2	l	424	ALA	4.0
2	l	2039	LYS	4.0
2	K	815	PRO	4.0
2	K	1923	ASP	4.0
3	N	136	ASP	4.0
3	Q	150	ILE	4.0
1	B	1841	ARG	4.0
2	k	1555	ARG	4.0
1	c	1436	VAL	4.0
1	f	519	VAL	4.0
2	I	444	VAL	4.0
2	j	117	VAL	4.0
1	C	357	GLY	4.0
1	C	1074	GLY	4.0
1	b	1530	GLY	4.0
3	O	5	GLY	4.0
3	o	105	GLN	4.0
1	f	1734	ASN	4.0
2	I	64	PHE	4.0
2	I	597	MET	4.0
2	h	1421	ASN	4.0
1	B	620	SER	4.0
1	F	1255	SER	4.0
1	d	289	SER	4.0
1	d	1032	SER	4.0
1	e	150	LEU	4.0

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Mol	Chain	Res	Type	RSRZ
2	I	1885	LEU	4.0
2	K	1481	SER	4.0
2	k	555	LEU	4.0
1	c	895	THR	4.0
2	G	1083	LYS	4.0
2	h	1342	THR	4.0
2	l	89	THR	4.0
2	l	1473	THR	4.0
1	F	1414	ILE	4.0
2	h	1687	ALA	4.0
2	j	1512	HIS	4.0
2	k	430	HIS	4.0
2	l	30	ALA	4.0
1	e	30	GLU	4.0
2	H	810	GLU	4.0
2	I	1926	GLU	4.0
2	h	599	PRO	4.0
2	j	1500	GLU	4.0
2	k	580	GLU	4.0
1	b	442	ARG	4.0
1	f	1333	ASP	4.0
2	H	1258	ARG	4.0
2	K	1162	ASP	4.0
2	h	19	VAL	4.0
2	h	1945	ASP	4.0
2	j	1032	ASP	4.0
2	j	1418	ASP	4.0
3	r	143	VAL	4.0
1	D	1065	GLY	4.0
1	E	1161	GLY	4.0
1	a	1170	GLY	4.0
2	I	578	PHE	4.0
2	L	82	GLN	4.0
2	L	623	GLY	4.0
2	i	110	GLN	4.0
2	k	161	GLY	4.0
2	I	238	CYS	4.0
2	J	1052	CYS	4.0
1	D	1780	ASN	4.0
1	e	882	ASN	4.0
2	G	1383	ASN	4.0
2	H	1355	ASN	4.0

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Mol	Chain	Res	Type	RSRZ
2	L	725	ASN	4.0
2	l	1595	ASN	4.0
2	l	1895	ASN	4.0
2	l	431	LEU	4.0
1	A	996	LYS	4.0
1	a	1804	SER	4.0
2	G	474	SER	4.0
2	I	661	TRP	4.0
2	L	1930	SER	4.0
2	g	342	SER	4.0
1	E	196	THR	4.0
1	E	1372	THR	4.0
1	f	1191	THR	4.0
2	g	598	THR	4.0
2	k	475	ILE	4.0
2	k	1787	ALA	4.0
3	q	91	ILE	4.0
1	C	1399	PRO	4.0
1	F	1476	GLU	4.0
1	b	1010	GLU	4.0
1	b	1883	VAL	4.0
1	c	1788	GLU	4.0
2	G	638	VAL	4.0
2	G	1656	GLU	4.0
2	H	1754	GLU	4.0
2	K	135	ARG	4.0
2	L	172	GLU	4.0
2	g	928	GLU	4.0
2	k	793	PRO	4.0
2	l	239	PRO	4.0
2	l	833	GLU	4.0
1	B	1534	ASP	4.0
1	E	1550	ASP	4.0
1	c	459	ASP	4.0
1	c	1209	ASP	4.0
1	d	599	MET	4.0
1	f	1406	MET	4.0
2	G	789	PHE	4.0
2	H	80	PHE	4.0
2	I	1047	ASP	4.0
2	K	27	PHE	4.0
2	L	175	ASP	4.0

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Mol	Chain	Res	Type	RSRZ
3	P	149	PHE	4.0
1	d	682	GLY	4.0
2	g	1675	GLY	4.0
3	r	78	ASP	4.0
1	A	249	TYR	4.0
1	b	209	LEU	4.0
2	I	502	LEU	4.0
2	g	404	GLN	4.0
2	l	232	LEU	4.0
1	A	650	LYS	4.0
1	D	1766	ASN	4.0
1	E	917	CYS	4.0
1	e	184	ASN	4.0
2	G	1993	LYS	4.0
2	j	1514	ASN	4.0
2	k	1966	CYS	4.0
1	E	1321	SER	4.0
1	f	523	SER	4.0
2	G	1177	SER	4.0
2	h	1705	SER	4.0
2	j	340	SER	4.0
1	C	71	ALA	4.0
1	D	646	ALA	4.0
2	g	1141	ALA	4.0
2	h	25	ALA	4.0
2	l	144	ALA	4.0
1	a	1301	PRO	4.0
1	b	1156	GLU	4.0
1	f	264	VAL	4.0
2	I	1044	VAL	4.0
2	g	61	VAL	4.0
2	k	426	PRO	4.0
2	l	74	PRO	4.0
2	G	37	PHE	4.0
2	I	1006	MET	4.0
2	i	491	GLU	4.0
3	o	15	GLU	4.0
3	q	149	PHE	4.0
1	A	870	GLY	4.0
1	A	1534	ASP	4.0
1	C	1412	ASP	4.0
1	d	149	LEU	4.0

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Mol	Chain	Res	Type	RSRZ
2	i	2034	GLY	4.0
2	l	62	GLY	4.0
2	K	1458	ASP	4.0
2	j	460	TYR	4.0
2	k	674	TYR	4.0
2	l	565	TYR	4.0
2	H	1212	LYS	4.0
1	A	1351	ASN	4.0
1	d	166	ILE	4.0
2	G	1713	ASN	4.0
2	i	1159	ILE	4.0
1	B	865	CYS	4.0
1	A	628	SER	4.0
1	D	880	ALA	4.0
1	b	763	TRP	4.0
1	a	234	SER	4.0
1	e	1540	SER	4.0
1	f	1061	SER	4.0
1	f	1366	SER	4.0
2	G	2016	ALA	4.0
2	g	943	TRP	4.0
2	J	1585	SER	4.0
2	g	1773	ALA	4.0
2	l	425	SER	4.0
2	l	1438	SER	4.0
3	P	110	ARG	4.0
1	d	519	VAL	4.0
1	B	1541	PHE	4.0
1	d	1793	PRO	4.0
2	K	1078	HIS	4.0
2	L	422	PRO	4.0
2	j	382	PRO	4.0
2	k	1044	VAL	4.0
1	F	1080	THR	4.0
1	c	610	THR	4.0
1	f	1022	THR	4.0
2	G	64	PHE	4.0
2	J	1882	THR	4.0
2	K	279	THR	4.0
2	h	210	THR	4.0
2	j	499	THR	4.0
1	C	781	LEU	3.9

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Mol	Chain	Res	Type	RSRZ
1	b	1731	LEU	3.9
2	G	693	GLU	3.9
2	I	1222	GLU	3.9
2	L	213	LEU	3.9
2	h	734	GLY	3.9
2	j	231	LEU	3.9
2	l	150	GLY	3.9
2	J	1545	TYR	3.9
1	c	288	ASP	3.9
2	I	1367	GLN	3.9
2	K	81	ASP	3.9
2	K	82	GLN	3.9
2	L	445	LYS	3.9
2	i	275	GLN	3.9
2	k	1998	LYS	3.9
1	D	1843	ASN	3.9
1	F	614	ALA	3.9
1	a	247	ARG	3.9
1	c	969	ASN	3.9
1	c	1748	ASN	3.9
1	d	1610	ASN	3.9
2	H	103	ALA	3.9
2	K	1773	ALA	3.9
2	g	154	ALA	3.9
2	l	991	ARG	3.9
2	l	1383	ASN	3.9
3	N	37	ASN	3.9
3	m	44	ARG	3.9
1	A	879	SER	3.9
1	B	1840	VAL	3.9
1	D	984	PRO	3.9
1	E	194	PHE	3.9
1	b	1346	MET	3.9
1	b	1759	MET	3.9
2	H	239	PRO	3.9
2	H	382	PRO	3.9
2	I	405	SER	3.9
2	j	132	MET	3.9
2	l	1552	PRO	3.9
1	A	1657	HIS	3.9
2	I	181	HIS	3.9
2	K	1155	LEU	3.9

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Mol	Chain	Res	Type	RSRZ
1	A	1817	GLU	3.9
1	D	202	GLU	3.9
1	e	1565	GLY	3.9
2	I	1653	GLY	3.9
2	I	1894	GLU	3.9
2	g	1133	THR	3.9
2	i	768	GLY	3.9
2	j	285	GLU	3.9
3	N	36	GLU	3.9
1	B	1724	LYS	3.9
2	H	1949	LYS	3.9
2	k	2017	LYS	3.9
2	L	836	TYR	3.9
1	B	214	GLN	3.9
1	D	1207	GLN	3.9
1	d	1713	ASP	3.9
2	H	244	ILE	3.9
2	L	457	ILE	3.9
2	i	898	ASP	3.9
2	j	1614	ASP	3.9
2	k	854	ILE	3.9
2	k	1729	ILE	3.9
2	l	52	ASP	3.9
2	l	403	ASP	3.9
1	A	210	ALA	3.9
1	B	1858	ALA	3.9
1	E	54	ALA	3.9
1	e	1518	ARG	3.9
1	C	1771	VAL	3.9
1	E	871	TRP	3.9
1	F	1508	TRP	3.9
2	G	362	ALA	3.9
2	H	50	ALA	3.9
2	g	396	ALA	3.9
2	j	736	ARG	3.9
2	l	1510	ALA	3.9
3	r	99	ARG	3.9
1	a	1066	ASN	3.9
2	J	390	ASN	3.9
3	N	46	ASN	3.9
2	L	1155	LEU	3.9
3	o	135	MET	3.9

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Mol	Chain	Res	Type	RSRZ
1	B	1241	SER	3.9
1	e	1778	SER	3.9
2	h	1145	SER	3.9
2	l	1107	SER	3.9
2	l	1808	SER	3.9
1	D	876	GLY	3.9
1	E	336	LYS	3.9
1	E	874	GLY	3.9
1	b	1476	GLU	3.9
1	d	495	LYS	3.9
1	f	1551	LYS	3.9
2	G	1104	GLY	3.9
2	H	842	GLY	3.9
2	I	140	LYS	3.9
2	I	582	LYS	3.9
2	i	1352	HIS	3.9
2	k	1720	HIS	3.9
2	I	1829	GLU	3.9
2	I	2015	THR	3.9
2	J	1894	GLU	3.9
2	k	1101	GLU	3.9
1	f	294	TYR	3.9
2	J	2042	ILE	3.9
2	k	127	ILE	3.9
2	k	1638	ILE	3.9
2	l	1563	ILE	3.9
1	D	898	GLN	3.9
2	l	715	GLN	3.9
1	A	1360	ARG	3.9
1	B	442	ARG	3.9
1	a	260	ARG	3.9
1	b	231	ARG	3.9
1	b	282	ASP	3.9
1	f	301	ASP	3.9
2	g	442	ASP	3.9
2	h	1908	ASP	3.9
1	e	1867	VAL	3.9
2	I	509	ALA	3.9
2	L	182	VAL	3.9
2	k	103	ALA	3.9
1	C	1644	PHE	3.9
1	D	1283	MET	3.9

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Mol	Chain	Res	Type	RSRZ
1	E	878	MET	3.9
1	a	406	TRP	3.9
1	d	150	LEU	3.9
2	K	137	PHE	3.9
2	K	160	PHE	3.9
2	L	1165	PHE	3.9
2	j	930	MET	3.9
2	k	765	LEU	3.9
1	C	1780	ASN	3.9
1	b	829	ASN	3.9
2	K	57	PRO	3.9
2	K	1955	PRO	3.9
2	h	330	ASN	3.9
2	i	1550	ASN	3.9
2	k	422	PRO	3.9
2	k	1399	ASN	3.9
1	A	293	LYS	3.9
1	F	999	LYS	3.9
1	f	1736	LYS	3.9
1	A	827	SER	3.9
1	C	1063	HIS	3.9
1	F	443	SER	3.9
2	K	1879	GLY	3.9
2	g	1582	GLY	3.9
2	h	1033	SER	3.9
2	h	1938	GLY	3.9
2	l	507	GLY	3.9
2	l	1817	SER	3.9
1	e	816	GLU	3.9
1	f	1488	GLU	3.9
2	H	1146	GLU	3.9
2	h	206	GLU	3.9
2	h	928	GLU	3.9
2	k	1937	GLU	3.9
2	l	1266	TYR	3.9
3	o	36	GLU	3.9
1	F	1022	THR	3.9
1	a	1372	THR	3.9
1	d	1885	THR	3.9
2	L	1979	THR	3.9
3	p	144	THR	3.9
1	a	520	ARG	3.9

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Mol	Chain	Res	Type	RSRZ
1	b	1380	GLN	3.9
1	b	1739	GLN	3.9
1	e	1380	GLN	3.9
2	G	752	GLN	3.9
2	L	1669	GLN	3.9
2	g	1282	ARG	3.9
2	i	1775	GLN	3.9
2	j	1332	ARG	3.9
1	E	1181	PHE	3.9
1	E	1664	ALA	3.9
1	F	1659	ASP	3.9
1	b	1836	ASP	3.9
1	d	268	ALA	3.9
1	e	1363	ALA	3.9
2	H	1029	PHE	3.9
2	i	930	MET	3.9
2	j	1323	MET	3.9
2	k	1583	MET	3.9
2	l	1559	ASP	3.9
1	D	236	LYS	3.9
1	a	1176	PRO	3.9
1	c	173	LYS	3.9
1	c	1071	PRO	3.9
1	f	919	LYS	3.9
2	G	1233	PRO	3.9
2	I	831	LYS	3.9
1	A	1074	GLY	3.9
1	d	1069	GLY	3.9
2	G	1630	GLY	3.9
2	I	507	GLY	3.9
2	I	519	ASN	3.9
2	I	522	GLY	3.9
2	J	440	ASN	3.9
2	h	505	GLY	3.9
2	l	242	GLY	3.9
2	l	588	GLY	3.9
2	l	2013	ASN	3.9
1	A	620	SER	3.9
1	A	1499	SER	3.9
1	A	977	TYR	3.9
1	C	1667	GLU	3.9
1	D	1838	GLU	3.9

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Mol	Chain	Res	Type	RSRZ
1	F	982	ILE	3.9
1	b	783	HIS	3.9
1	d	1284	SER	3.9
2	h	965	SER	3.9
2	l	248	HIS	3.9
1	C	501	THR	3.9
1	E	204	THR	3.9
2	G	551	THR	3.9
2	g	523	THR	3.9
2	l	813	THR	3.9
2	L	130	ARG	3.9
1	a	957	VAL	3.9
1	c	1684	ALA	3.9
1	c	1849	VAL	3.9
1	d	1439	ALA	3.9
2	I	817	ALA	3.9
2	I	931	PHE	3.9
2	J	504	PHE	3.9
2	g	1158	PHE	3.9
2	h	1249	ALA	3.9
2	i	805	VAL	3.9
2	l	48	PHE	3.9
2	l	2032	LEU	3.9
3	q	29	ALA	3.9
1	B	1077	ASP	3.9
1	C	1273	ASP	3.9
1	D	164	ASP	3.9
1	D	1659	ASP	3.9
1	E	173	LYS	3.9
1	d	744	ASP	3.9
2	G	732	TRP	3.9
2	J	974	ASP	3.9
2	J	2043	ASP	3.9
2	K	797	ASP	3.9
2	K	1679	ASP	3.9
1	C	1847	PRO	3.9
2	I	337	PRO	3.9
2	K	62	GLY	3.9
2	k	542	GLY	3.9
3	Q	6	GLY	3.9
1	B	243	ILE	3.9
1	E	965	HIS	3.9

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Mol	Chain	Res	Type	RSRZ
1	c	1495	ASN	3.9
2	I	439	ILE	3.9
2	h	1737	ILE	3.9
1	f	75	HIS	3.9
2	I	723	HIS	3.9
1	D	230	SER	3.9
1	E	620	SER	3.9
1	E	1860	GLU	3.9
1	a	1294	SER	3.9
1	f	1702	GLU	3.9
2	K	90	GLU	3.9
2	g	460	TYR	3.9
2	j	477	GLU	3.9
2	l	510	SER	3.9
2	j	1227	ARG	3.9
1	A	187	LEU	3.9
1	A	1544	THR	3.9
1	A	1731	LEU	3.9
1	C	625	THR	3.9
1	D	1639	VAL	3.9
1	F	510	THR	3.9
1	a	196	THR	3.9
1	c	519	VAL	3.9
2	H	459	VAL	3.9
2	H	532	THR	3.9
2	J	10	THR	3.9
1	A	1380	GLN	3.9
1	C	1809	PHE	3.9
1	b	210	ALA	3.9
1	d	237	MET	3.9
1	b	917	CYS	3.9
1	f	885	ALA	3.9
2	H	1688	GLN	3.9
2	K	771	PHE	3.9
2	g	132	MET	3.9
2	i	750	MET	3.9
2	k	613	ALA	3.9
2	k	794	MET	3.9
3	m	12	GLN	3.9
1	B	742	LYS	3.9
2	J	856	LYS	3.9
1	F	406	TRP	3.9

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Mol	Chain	Res	Type	RSRZ
2	I	315	PRO	3.9
2	J	882	PRO	3.9
2	J	1233	PRO	3.9
2	g	113	ASP	3.9
2	g	793	PRO	3.9
2	h	458	PRO	3.9
2	i	534	ASP	3.9
2	j	403	ASP	3.9
2	k	707	PRO	3.9
2	l	1801	ASP	3.9
3	R	145	PRO	3.9
1	C	1477	ILE	3.9
1	b	1647	GLY	3.9
2	G	1231	GLY	3.9
2	L	622	GLY	3.9
2	g	242	GLY	3.9
1	F	1194	ASN	3.9
1	a	294	TYR	3.9
1	c	1194	ASN	3.9
1	f	1237	TYR	3.9
2	G	1692	ASN	3.9
2	J	2010	TYR	3.9
2	L	1241	ASN	3.9
2	h	99	ASN	3.9
1	A	404	SER	3.9
1	A	1872	SER	3.9
1	C	964	GLU	3.9
1	D	981	GLU	3.9
1	D	1774	GLU	3.9
1	c	185	GLU	3.9
1	c	1622	GLU	3.9
1	d	267	VAL	3.9
1	f	1728	SER	3.9
2	G	966	LEU	3.9
2	H	1566	SER	3.9
2	I	184	VAL	3.9
2	L	1005	SER	3.9
2	g	1894	GLU	3.9
2	h	274	SER	3.9
2	i	803	SER	3.9
2	k	1467	GLU	3.9
2	l	552	SER	3.9

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Mol	Chain	Res	Type	RSRZ
2	l	1785	GLU	3.9
2	K	1103	PHE	3.8
1	C	401	THR	3.8
1	F	1372	THR	3.8
1	d	1739	GLN	3.8
1	e	426	LYS	3.8
1	e	1348	ALA	3.8
2	h	1141	ALA	3.8
2	h	1856	ALA	3.8
2	j	523	THR	3.8
2	j	620	ALA	3.8
2	j	1838	MET	3.8
2	k	1208	THR	3.8
2	I	79	GLN	3.8
2	K	1451	GLN	3.8
2	L	384	GLN	3.8
1	B	617	PRO	3.8
1	e	406	TRP	3.8
2	G	1207	PRO	3.8
2	G	1968	PRO	3.8
2	H	458	PRO	3.8
2	l	1884	TRP	3.8
1	C	1250	GLY	3.8
1	b	1829	GLY	3.8
1	e	608	ASP	3.8
1	f	331	ILE	3.8
1	f	357	GLY	3.8
2	G	1923	ASP	3.8
2	L	1938	GLY	3.8
2	g	1971	GLY	3.8
3	M	148	ILE	3.8
1	A	354	LEU	3.8
1	B	1773	VAL	3.8
1	C	75	HIS	3.8
1	b	267	VAL	3.8
1	f	1239	HIS	3.8
2	G	448	VAL	3.8
2	G	747	HIS	3.8
2	h	518	ARG	3.8
2	j	428	HIS	3.8
2	j	952	ARG	3.8
2	l	1545	TYR	3.8

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Mol	Chain	Res	Type	RSRZ
1	A	168	MET	3.8
1	C	1541	PHE	3.8
1	D	143	GLU	3.8
1	F	1619	GLU	3.8
1	b	850	PHE	3.8
2	J	38	ASN	3.8
2	j	1673	GLU	3.8
2	j	1964	PHE	3.8
3	q	133	VAL	3.8
1	c	1667	GLU	3.8
2	l	956	GLU	3.8
1	A	1548	ALA	3.8
1	B	879	SER	3.8
1	B	1249	SER	3.8
1	C	235	SER	3.8
1	D	1032	SER	3.8
1	D	1293	SER	3.8
1	E	481	LYS	3.8
1	F	1846	ALA	3.8
1	c	857	SER	3.8
1	e	518	LYS	3.8
1	f	1091	ALA	3.8
2	G	26	SER	3.8
2	I	626	SER	3.8
2	I	1694	ALA	3.8
2	L	1805	ALA	3.8
2	h	746	ALA	3.8
2	i	410	SER	3.8
2	j	280	ALA	3.8
2	k	1121	SER	3.8
2	k	1705	SER	3.8
2	l	103	ALA	3.8
1	C	252	THR	3.8
1	C	983	GLN	3.8
1	a	961	THR	3.8
1	d	1073	THR	3.8
2	K	2033	THR	3.8
2	i	646	THR	3.8
1	E	1508	TRP	3.8
2	I	199	ILE	3.8
2	I	1147	ILE	3.8
2	L	382	PRO	3.8

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Mol	Chain	Res	Type	RSRZ
2	h	793	PRO	3.8
2	k	1967	ILE	3.8
1	F	887	GLY	3.8
2	G	1203	GLY	3.8
2	L	238	CYS	3.8
2	L	1722	GLY	3.8
1	a	1168	LEU	3.8
1	b	206	LEU	3.8
1	b	813	ARG	3.8
1	f	163	LEU	3.8
2	k	1945	ASP	3.8
1	d	1185	VAL	3.8
2	G	1412	TYR	3.8
2	J	1881	ARG	3.8
2	g	406	ARG	3.8
2	h	1762	TYR	3.8
2	k	615	TYR	3.8
1	A	1234	MET	3.8
1	D	639	HIS	3.8
1	D	1346	MET	3.8
1	a	850	PHE	3.8
1	a	854	HIS	3.8
1	d	1736	LYS	3.8
2	G	994	PHE	3.8
2	H	427	PHE	3.8
2	H	873	PHE	3.8
2	J	930	MET	3.8
2	L	1699	LYS	3.8
2	g	1268	LYS	3.8
2	k	1628	HIS	3.8
2	k	1666	PHE	3.8
2	l	1583	MET	3.8
2	l	1721	PHE	3.8
1	A	291	ALA	3.8
1	A	1348	ALA	3.8
1	E	1369	ALA	3.8
1	E	1483	ASN	3.8
1	c	203	GLU	3.8
1	c	494	ALA	3.8
1	d	57	ALA	3.8
1	d	1757	GLU	3.8
1	e	1007	ALA	3.8

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Mol	Chain	Res	Type	RSRZ
1	e	1351	ASN	3.8
2	G	1508	ALA	3.8
2	I	214	ASN	3.8
2	J	398	ALA	3.8
2	J	1059	ALA	3.8
2	h	1915	ASN	3.8
2	i	1135	GLU	3.8
2	j	447	ASN	3.8
2	j	1421	ASN	3.8
2	k	810	GLU	3.8
2	k	996	ASN	3.8
1	A	1735	SER	3.8
1	B	1884	SER	3.8
1	D	1800	SER	3.8
1	E	1778	SER	3.8
1	c	620	SER	3.8
2	G	1930	SER	3.8
2	I	1157	SER	3.8
2	L	1548	SER	3.8
2	l	385	SER	3.8
1	D	1666	THR	3.8
1	a	1792	THR	3.8
1	c	950	THR	3.8
1	d	332	THR	3.8
1	e	821	GLN	3.8
1	e	1500	GLN	3.8
2	G	2015	THR	3.8
2	H	998	GLN	3.8
2	J	845	THR	3.8
2	i	1549	THR	3.8
1	B	1650	GLY	3.8
1	C	1031	GLY	3.8
1	c	1663	GLY	3.8
1	f	534	PRO	3.8
2	G	832	TRP	3.8
2	H	487	PRO	3.8
2	K	938	TRP	3.8
2	h	903	TRP	3.8
2	j	361	PRO	3.8
2	l	1069	PRO	3.8
1	F	1719	LEU	3.8
1	c	256	LEU	3.8

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Mol	Chain	Res	Type	RSRZ
2	j	438	LEU	3.8
2	l	219	LEU	3.8
1	E	725	TYR	3.8
1	F	1849	VAL	3.8
1	b	764	ASP	3.8
1	c	1534	ASP	3.8
1	e	675	ASP	3.8
1	e	1185	VAL	3.8
2	G	658	MET	3.8
2	G	1139	PHE	3.8
2	I	743	PHE	3.8
2	J	1702	TYR	3.8
2	h	207	LYS	3.8
2	h	460	TYR	3.8
2	k	175	ASP	3.8
2	l	600	CYS	3.8
3	m	82	TYR	3.8
2	G	1323	MET	3.8
3	m	149	PHE	3.8
2	G	248	HIS	3.8
1	A	1026	GLU	3.8
1	C	1734	ASN	3.8
1	E	185	GLU	3.8
1	b	54	ALA	3.8
1	b	1611	ALA	3.8
1	b	1675	ALA	3.8
2	I	290	GLU	3.8
2	I	997	ALA	3.8
2	g	744	GLU	3.8
2	g	1785	GLU	3.8
2	k	911	ALA	3.8
1	a	971	ASN	3.8
1	d	1758	ASN	3.8
1	e	427	ASN	3.8
1	f	1351	ASN	3.8
1	A	958	SER	3.8
1	F	857	SER	3.8
1	F	1241	SER	3.8
1	c	1872	SER	3.8
2	j	603	SER	3.8
1	F	224	GLN	3.8
1	e	88	ILE	3.8

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Mol	Chain	Res	Type	RSRZ
2	J	245	GLN	3.8
2	L	980	ILE	3.8
2	g	275	GLN	3.8
2	h	163	GLN	3.8
2	j	155	GLN	3.8
1	A	461	THR	3.8
1	A	681	THR	3.8
1	D	1411	THR	3.8
1	f	257	PRO	3.8
2	G	381	GLY	3.8
2	G	795	PRO	3.8
2	G	1318	THR	3.8
2	L	462	THR	3.8
2	L	1642	THR	3.8
2	h	1437	THR	3.8
1	D	1192	GLY	3.8
1	d	947	LEU	3.8
2	h	1879	GLY	3.8
2	k	473	GLY	3.8
3	O	79	LEU	3.8
1	A	1183	ARG	3.8
2	l	264	ARG	3.8
3	N	48	ARG	3.8
1	A	626	VAL	3.8
1	B	241	PHE	3.8
1	F	1579	PHE	3.8
1	c	1401	TYR	3.8
1	c	1514	LYS	3.8
1	d	336	LYS	3.8
2	G	463	PHE	3.8
2	k	470	VAL	3.8
1	A	744	ASP	3.8
1	A	1412	ASP	3.8
2	G	1505	ASP	3.8
2	H	521	ASP	3.8
2	L	138	ASP	3.8
2	j	605	ASP	3.8
1	B	1833	ALA	3.8
1	F	369	ALA	3.8
1	d	1420	ALA	3.8
1	f	1503	ALA	3.8
2	k	25	ALA	3.8

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Mol	Chain	Res	Type	RSRZ
1	B	30	GLU	3.8
1	b	1838	GLU	3.8
2	h	491	GLU	3.8
2	G	996	ASN	3.8
2	j	451	ASN	3.8
2	j	528	ILE	3.8
2	k	2000	ASN	3.8
3	n	150	ILE	3.8
1	C	540	GLN	3.8
1	D	616	LEU	3.8
1	E	931	GLN	3.8
1	E	1179	LEU	3.8
1	F	620	SER	3.8
1	c	1255	SER	3.8
1	c	1719	LEU	3.8
2	G	1482	SER	3.8
2	J	1850	SER	3.8
2	L	803	SER	3.8
2	g	1928	GLN	3.8
2	g	1973	SER	3.8
2	i	31	SER	3.8
1	C	177	GLY	3.8
1	F	1229	THR	3.8
1	a	825	PRO	3.8
1	b	1071	PRO	3.8
1	c	1569	GLY	3.8
1	e	196	THR	3.8
1	f	51	PRO	3.8
2	I	392	THR	3.8
2	I	909	GLY	3.8
2	j	1909	THR	3.8
2	l	1722	GLY	3.8
3	Q	145	PRO	3.8
1	E	284	LYS	3.8
1	e	1722	VAL	3.8
2	h	1986	LYS	3.8
2	i	756	LYS	3.8
1	a	1062	TYR	3.8
1	c	1114	TYR	3.8
2	j	1266	TYR	3.8
1	A	339	ALA	3.8
1	A	1182	ASP	3.8

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Mol	Chain	Res	Type	RSRZ
1	C	69	ASP	3.8
1	C	830	HIS	3.8
1	D	380	ALA	3.8
1	a	1684	ALA	3.8
2	G	1598	ALA	3.8
2	I	911	ALA	3.8
2	J	1512	HIS	3.8
2	L	204	ASP	3.8
2	g	204	ASP	3.8
2	j	1344	ASP	3.8
2	k	1568	HIS	3.8
2	l	359	HIS	3.8
2	l	1055	HIS	3.8
1	A	1050	CYS	3.8
1	B	1040	GLU	3.8
1	F	1473	GLU	3.8
2	G	849	GLU	3.8
2	L	367	GLU	3.8
2	h	2042	ILE	3.8
2	j	1253	GLU	3.8
1	F	302	LEU	3.8
1	F	882	ASN	3.8
1	c	829	ASN	3.8
1	e	1758	ASN	3.8
2	j	1595	ASN	3.8
1	A	178	GLY	3.8
1	A	1284	SER	3.8
1	A	1647	GLY	3.8
1	B	261	GLN	3.8
1	B	1350	SER	3.8
1	C	67	SER	3.8
1	E	837	GLY	3.8
1	a	954	ARG	3.8
1	d	227	SER	3.8
1	e	615	SER	3.8
1	e	1808	SER	3.8
1	f	1301	PRO	3.8
2	I	1705	SER	3.8
2	j	110	GLN	3.8
2	j	1590	ARG	3.8
2	l	1313	SER	3.8
1	A	264	VAL	3.8

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Mol	Chain	Res	Type	RSRZ
1	A	1763	LYS	3.8
1	C	1335	PHE	3.8
1	D	624	LYS	3.8
1	E	1191	THR	3.8
1	F	196	THR	3.8
1	F	1883	VAL	3.8
1	c	1761	LYS	3.8
1	e	1541	PHE	3.8
1	f	236	LYS	3.8
2	g	1228	THR	3.8
2	i	45	THR	3.8
2	k	1616	VAL	3.8
2	l	625	PHE	3.8
1	a	1283	MET	3.8
1	d	1406	MET	3.8
2	k	863	MET	3.8
3	m	144	THR	3.8
1	B	1174	TYR	3.8
1	A	666	ALA	3.8
1	A	727	ALA	3.8
1	a	986	ALA	3.8
1	d	23	ALA	3.8
1	e	347	ALA	3.8
2	H	1841	ALA	3.8
2	I	154	ALA	3.8
1	D	1433	HIS	3.8
1	B	1124	GLU	3.8
1	D	612	GLU	3.8
1	F	193	GLU	3.8
1	a	605	LEU	3.8
1	f	1273	ASP	3.8
1	f	1717	ASP	3.8
2	I	241	ILE	3.8
2	I	1434	HIS	3.8
2	J	1581	HIS	3.8
2	I	1931	LEU	3.8
2	J	464	ASP	3.8
2	h	464	ASP	3.8
2	h	1923	ASP	3.8
2	l	1811	GLU	3.8
1	C	1648	GLN	3.7
1	D	831	GLY	3.7

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Mol	Chain	Res	Type	RSRZ
1	F	881	ASN	3.7
1	F	226	SER	3.7
1	a	286	PHE	3.7
1	a	821	GLN	3.7
1	c	1069	GLY	3.7
1	b	609	SER	3.7
1	c	601	VAL	3.7
1	e	1748	ASN	3.7
1	e	1849	VAL	3.7
1	f	881	ASN	3.7
2	I	363	GLY	3.7
2	K	1421	ASN	3.7
2	L	330	ASN	3.7
2	i	451	ASN	3.7
2	i	837	LYS	3.7
2	i	896	ASN	3.7
2	j	599	PRO	3.7
2	j	1778	GLN	3.7
2	j	1959	LYS	3.7
2	l	1056	GLY	3.7
3	p	111	LYS	3.7
1	e	1078	SER	3.7
2	G	1062	PHE	3.7
2	I	2045	TRP	3.7
2	J	1313	SER	3.7
2	L	1710	VAL	3.7
2	k	295	SER	3.7
2	k	2003	VAL	3.7
1	E	651	TYR	3.7
1	F	1777	THR	3.7
1	d	706	THR	3.7
2	J	1102	TYR	3.7
2	k	680	THR	3.7
1	A	859	ALA	3.7
1	d	1684	ALA	3.7
1	e	880	ALA	3.7
1	e	1457	ALA	3.7
2	h	609	ALA	3.7
2	i	746	ALA	3.7
1	D	1719	LEU	3.7
1	b	243	ILE	3.7
1	E	1852	HIS	3.7

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Mol	Chain	Res	Type	RSRZ
1	c	1100	HIS	3.7
2	I	517	HIS	3.7
1	A	426	LYS	3.7
1	A	1724	LYS	3.7
1	A	1838	GLU	3.7
1	C	974	ASP	3.7
1	D	4	GLU	3.7
1	b	1534	ASP	3.7
1	c	764	ASP	3.7
1	d	272	GLU	3.7
1	d	1762	GLU	3.7
2	G	1324	ASP	3.7
2	I	113	ASP	3.7
2	I	812	LYS	3.7
2	I	1084	LYS	3.7
2	K	1749	GLU	3.7
2	L	1937	GLU	3.7
2	h	2040	GLU	3.7
2	j	1440	ASP	3.7
2	l	539	ASP	3.7
2	l	254	LYS	3.7
2	l	1204	GLU	3.7
3	o	25	ASP	3.7
1	F	240	GLY	3.7
1	d	1161	GLY	3.7
2	G	1413	ARG	3.7
2	j	1986	LYS	3.7
1	F	273	PRO	3.7
1	F	828	PRO	3.7
1	F	1399	PRO	3.7
2	I	625	PHE	3.7
2	K	399	PRO	3.7
2	L	54	PRO	3.7
2	h	427	PHE	3.7
2	h	1322	PRO	3.7
2	k	208	VAL	3.7
2	k	675	PRO	3.7
3	Q	149	PHE	3.7
1	E	1388	MET	3.7
1	b	1147	GLN	3.7
2	H	211	GLN	3.7
2	H	1276	ASN	3.7

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Mol	Chain	Res	Type	RSRZ
2	J	1854	MET	3.7
2	k	1674	GLN	3.7
3	o	97	ASN	3.7
3	r	30	GLN	3.7
3	r	46	ASN	3.7
1	C	1255	SER	3.7
1	C	1872	SER	3.7
1	F	82	SER	3.7
1	F	1201	SER	3.7
2	H	755	SER	3.7
2	K	969	SER	3.7
2	h	342	SER	3.7
2	h	1191	SER	3.7
2	k	803	SER	3.7
1	F	1198	TYR	3.7
1	a	1332	TYR	3.7
2	H	493	THR	3.7
2	I	523	THR	3.7
2	K	1980	TYR	3.7
2	i	616	THR	3.7
2	k	210	THR	3.7
2	l	311	TYR	3.7
1	D	354	LEU	3.7
1	a	19	ALA	3.7
1	a	1141	ALA	3.7
1	d	339	ALA	3.7
1	d	380	ALA	3.7
2	I	929	LEU	3.7
2	L	2004	ALA	3.7
1	A	462	LYS	3.7
1	b	363	LYS	3.7
1	b	1657	HIS	3.7
1	f	1689	HIS	3.7
2	J	2023	LYS	3.7
2	L	102	HIS	3.7
2	L	1682	LYS	3.7
3	M	111	LYS	3.7
1	B	1130	ASP	3.7
1	D	396	ARG	3.7
1	E	603	ASP	3.7
1	F	1769	VAL	3.7
1	b	1717	ASP	3.7

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Mol	Chain	Res	Type	RSRZ
1	d	66	GLU	3.7
1	d	459	ASP	3.7
1	d	1866	ASP	3.7
1	e	1817	GLU	3.7
1	f	208	GLU	3.7
2	G	1038	GLU	3.7
2	H	1440	ASP	3.7
2	H	1456	ASP	3.7
2	H	1703	GLY	3.7
2	I	1248	PHE	3.7
2	I	1614	ASP	3.7
2	I	1861	ARG	3.7
2	K	1820	ASP	3.7
2	g	309	ARG	3.7
2	g	554	GLY	3.7
2	h	1032	ASP	3.7
2	k	19	VAL	3.7
2	k	477	GLU	3.7
2	G	842	GLY	3.7
2	k	2001	VAL	3.7
2	l	739	GLY	3.7
3	Q	136	ASP	3.7
2	H	136	PRO	3.7
2	i	850	MET	3.7
2	l	595	PRO	3.7
3	O	10	PRO	3.7
2	K	163	GLN	3.7
1	A	1737	ASN	3.7
1	B	971	ASN	3.7
1	D	1366	SER	3.7
1	E	758	ASN	3.7
1	F	1294	SER	3.7
1	a	443	SER	3.7
1	a	620	SER	3.7
1	c	20	TYR	3.7
1	e	67	SER	3.7
1	e	407	ASN	3.7
2	G	372	ASN	3.7
2	G	1355	ASN	3.7
2	h	732	TRP	3.7
2	H	314	TYR	3.7
2	h	1603	SER	3.7

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Mol	Chain	Res	Type	RSRZ
2	j	474	SER	3.7
3	O	97	ASN	3.7
2	g	87	CYS	3.7
1	A	41	THR	3.7
1	B	1528	THR	3.7
1	D	1427	THR	3.7
1	b	1528	THR	3.7
1	c	380	ALA	3.7
1	c	880	ALA	3.7
1	e	895	THR	3.7
2	H	58	ALA	3.7
2	H	270	ALA	3.7
2	I	1549	THR	3.7
2	j	616	THR	3.7
2	k	1477	ALA	3.7
2	l	183	LEU	3.7
3	O	107	THR	3.7
1	E	170	LYS	3.7
1	D	894	ARG	3.7
2	J	1613	VAL	3.7
2	k	760	HIS	3.7
2	I	739	GLY	3.7
2	J	833	GLU	3.7
2	J	955	GLU	3.7
2	L	304	PHE	3.7
2	j	1165	PHE	3.7
2	l	1862	VAL	3.7
1	F	1537	GLY	3.7
1	b	299	GLY	3.7
1	c	498	GLY	3.7
2	H	381	GLY	3.7
2	g	1006	MET	3.7
2	g	1999	GLU	3.7
1	A	376	ASP	3.7
1	A	541	PRO	3.7
1	C	1333	ASP	3.7
1	D	1399	PRO	3.7
1	E	1083	PRO	3.7
1	E	1612	ASP	3.7
2	G	467	ASP	3.7
2	h	724	PRO	3.7
2	h	776	ASP	3.7

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Mol	Chain	Res	Type	RSRZ
2	h	1370	ASP	3.7
1	A	406	TRP	3.7
1	A	540	GLN	3.7
1	F	763	TRP	3.7
2	I	993	GLN	3.7
2	J	1367	GLN	3.7
2	g	968	GLN	3.7
2	g	1449	TRP	3.7
1	C	221	LEU	3.7
1	c	271	ASN	3.7
1	c	1549	ASN	3.7
1	d	89	TYR	3.7
1	f	1798	TYR	3.7
2	I	451	ASN	3.7
2	I	624	TYR	3.7
2	I	223	SER	3.7
2	I	1598	ALA	3.7
2	J	1973	SER	3.7
2	L	1243	ASN	3.7
2	i	1086	LEU	3.7
1	A	1321	SER	3.7
1	B	1611	ALA	3.7
1	D	951	SER	3.7
1	a	708	SER	3.7
1	a	720	SER	3.7
1	b	73	SER	3.7
2	K	823	ALA	3.7
2	K	1099	ALA	3.7
2	H	733	THR	3.7
2	L	1417	THR	3.7
2	L	1549	THR	3.7
2	i	680	THR	3.7
2	i	1468	THR	3.7
2	j	1308	CYS	3.7
2	j	1748	THR	3.7
2	g	758	ARG	3.7
2	k	264	ARG	3.7
1	A	1769	VAL	3.7
1	a	771	PHE	3.7
1	d	1433	HIS	3.7
1	f	1657	HIS	3.7
2	G	855	HIS	3.7

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Mol	Chain	Res	Type	RSRZ
2	J	1165	PHE	3.7
1	F	1422	GLY	3.7
2	G	802	GLY	3.7
2	I	333	GLY	3.7
2	J	1971	GLY	3.7
1	D	1817	GLU	3.7
1	c	515	PRO	3.7
2	I	1471	GLU	3.7
2	J	1957	PRO	3.7
2	h	1200	PRO	3.7
2	j	1291	GLU	3.7
1	F	301	ASP	3.7
1	b	974	ASP	3.7
2	K	1518	ASP	3.7
2	i	454	ASP	3.7
1	c	1685	TYR	3.7
1	f	1806	GLN	3.7
2	G	1563	ILE	3.7
2	I	1596	TRP	3.7
2	J	1596	TRP	3.7
2	h	561	TRP	3.7
2	j	67	TYR	3.7
3	O	11	ILE	3.7
1	D	1810	ALA	3.7
1	D	1862	ALA	3.7
1	a	1306	ALA	3.7
1	c	1497	ALA	3.7
1	d	1548	ALA	3.7
1	A	1236	LYS	3.7
1	B	674	LYS	3.7
1	D	615	SER	3.7
2	H	1912	ASN	3.7
2	I	725	ASN	3.7
2	J	268	LYS	3.7
2	L	354	ASN	3.7
2	k	330	ASN	3.7
2	k	1548	SER	3.7
1	A	212	THR	3.7
1	C	458	THR	3.7
1	D	1371	THR	3.7
1	a	401	THR	3.7
1	f	1707	THR	3.7

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Mol	Chain	Res	Type	RSRZ
2	G	598	THR	3.7
2	k	1580	THR	3.7
2	l	1667	THR	3.7
2	I	250	VAL	3.7
2	l	184	VAL	3.7
3	n	48	ARG	3.7
1	f	1541	PHE	3.7
2	G	1242	PHE	3.7
2	g	160	PHE	3.7
2	G	132	MET	3.7
2	g	930	MET	3.7
1	D	11	HIS	3.7
1	F	700	GLY	3.7
1	b	1259	GLY	3.7
2	I	152	GLY	3.7
2	I	1369	GLY	3.7
2	K	401	GLY	3.7
2	g	1352	HIS	3.7
2	j	161	GLY	3.7
2	l	1971	GLY	3.7
1	B	775	PRO	3.7
1	E	984	PRO	3.7
1	c	825	PRO	3.7
2	H	1859	PRO	3.7
2	g	1492	GLU	3.7
2	i	815	PRO	3.7
2	i	1488	PRO	3.7
1	A	154	LEU	3.7
1	D	821	GLN	3.7
1	D	1836	ASP	3.7
1	a	1481	ASP	3.7
1	e	1659	ASP	3.7
1	f	509	ILE	3.7
2	G	2045	TRP	3.7
2	L	442	ASP	3.7
2	j	79	GLN	3.7
2	k	227	ASP	3.7
1	D	57	ALA	3.7
1	D	391	ALA	3.7
1	E	295	ALA	3.7
1	F	146	LYS	3.7
1	b	170	LYS	3.7

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Mol	Chain	Res	Type	RSRZ
1	d	1369	ALA	3.7
2	G	154	ALA	3.7
2	G	205	ALA	3.7
2	H	627	ALA	3.7
2	H	1175	LYS	3.7
2	I	247	ALA	3.7
2	g	58	ALA	3.7
2	k	683	ALA	3.7
3	m	51	LYS	3.7
1	F	987	ASN	3.7
1	a	427	ASN	3.7
1	b	286	PHE	3.7
1	c	951	SER	3.7
2	H	390	ASN	3.7
2	K	1145	SER	3.7
2	K	1548	SER	3.7
2	K	1842	VAL	3.7
2	L	1048	VAL	3.7
2	h	265	SER	3.7
2	j	1191	SER	3.7
3	M	110	ARG	3.7
3	P	46	ASN	3.7
1	e	5	VAL	3.7
1	e	424	VAL	3.7
2	G	1029	PHE	3.7
2	H	208	VAL	3.7
2	k	1556	VAL	3.7
2	l	117	VAL	3.7
2	l	366	VAL	3.7
1	A	706	THR	3.7
1	B	1544	THR	3.7
1	D	501	THR	3.7
1	b	681	THR	3.7
2	H	1667	THR	3.7
2	I	271	THR	3.7
2	I	1196	THR	3.7
1	E	760	GLY	3.7
1	B	1433	HIS	3.7
1	D	865	CYS	3.7
1	f	389	GLY	3.7
1	D	163	LEU	3.7
1	a	1063	HIS	3.7

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Mol	Chain	Res	Type	RSRZ
2	i	1155	LEU	3.7
2	j	359	HIS	3.7
2	I	567	PRO	3.7
2	k	382	PRO	3.7
1	D	1364	GLU	3.7
1	E	856	GLU	3.7
1	F	1480	GLU	3.7
1	e	381	GLU	3.7
2	H	2049	GLU	3.7
2	i	368	ILE	3.7
2	i	744	GLU	3.7
2	k	1492	GLU	3.7
2	k	1961	GLU	3.7
1	C	1685	TYR	3.7
1	F	722	TYR	3.7
1	a	1626	TYR	3.7
2	J	1162	ASP	3.7
2	K	993	GLN	3.7
2	L	313	ALA	3.7
2	L	834	GLN	3.7
2	g	79	GLN	3.7
2	l	249	TYR	3.7
1	B	1836	ASP	3.7
1	d	614	ALA	3.7
2	l	348	GLN	3.7
2	l	911	ALA	3.7
1	C	247	ARG	3.6
1	C	359	ARG	3.6
1	c	980	VAL	3.6
1	d	893	VAL	3.6
1	f	260	ARG	3.6
2	H	1154	PHE	3.6
2	I	496	PHE	3.6
2	K	294	VAL	3.6
2	K	958	PHE	3.6
2	K	1499	VAL	3.6
2	L	678	PHE	3.6
2	L	767	PHE	3.6
2	L	927	VAL	3.6
2	h	1109	VAL	3.6
2	l	64	PHE	3.6
1	c	1628	SER	3.6

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Mol	Chain	Res	Type	RSRZ
2	H	2013	ASN	3.6
2	K	1716	ASN	3.6
2	h	896	ASN	3.6
2	i	1586	SER	3.6
2	j	1341	ASN	3.6
1	C	41	THR	3.6
1	C	48	GLY	3.6
1	a	1544	THR	3.6
1	d	1828	LEU	3.6
2	H	1470	THR	3.6
2	I	1463	THR	3.6
2	i	1228	THR	3.6
2	k	185	GLY	3.6
2	k	646	THR	3.6
2	l	1984	GLY	3.6
3	N	144	THR	3.6
1	F	884	ILE	3.6
1	a	965	HIS	3.6
2	I	383	PRO	3.6
1	D	521	LYS	3.6
1	D	1788	GLU	3.6
1	E	143	GLU	3.6
1	d	612	GLU	3.6
1	d	1010	GLU	3.6
1	d	1484	GLU	3.6
1	f	1712	GLU	3.6
2	G	1654	GLU	3.6
2	J	1887	GLU	3.6
2	J	1942	GLU	3.6
2	L	1725	LYS	3.6
2	i	812	LYS	3.6
1	A	446	ALA	3.6
1	B	747	ALA	3.6
1	C	1401	TYR	3.6
1	F	57	ALA	3.6
2	I	731	GLN	3.6
2	J	997	ALA	3.6
2	i	968	GLN	3.6
2	j	1331	TRP	3.6
1	A	954	ARG	3.6
1	A	1789	ARG	3.6
1	B	253	ARG	3.6

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Mol	Chain	Res	Type	RSRZ
1	E	896	PHE	3.6
1	F	241	PHE	3.6
1	b	1864	VAL	3.6
2	G	953	ARG	3.6
2	H	1272	ASP	3.6
2	I	1017	PHE	3.6
2	I	1923	ASP	3.6
2	i	81	ASP	3.6
2	j	427	PHE	3.6
2	k	100	ASP	3.6
2	G	1629	VAL	3.6
2	k	805	VAL	3.6
2	l	293	PHE	3.6
1	d	290	MET	3.6
1	A	1543	GLY	3.6
1	C	887	GLY	3.6
1	a	1375	GLY	3.6
1	d	1247	SER	3.6
1	e	1247	SER	3.6
2	K	1885	LEU	3.6
2	L	1355	ASN	3.6
2	L	1625	SER	3.6
2	g	1493	LEU	3.6
2	J	1703	GLY	3.6
2	g	1532	ASN	3.6
2	i	623	GLY	3.6
2	j	1243	ASN	3.6
2	j	1879	GLY	3.6
2	l	1915	ASN	3.6
1	E	52	THR	3.6
1	a	681	THR	3.6
1	a	1528	THR	3.6
2	I	301	THR	3.6
2	K	959	THR	3.6
2	L	1737	ILE	3.6
2	g	271	THR	3.6
2	h	551	THR	3.6
2	i	567	PRO	3.6
2	i	1027	ILE	3.6
2	k	1495	THR	3.6
1	C	426	LYS	3.6
1	E	639	HIS	3.6

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Mol	Chain	Res	Type	RSRZ
1	F	223	LYS	3.6
1	c	1239	HIS	3.6
1	c	1718	PRO	3.6
1	f	1761	LYS	3.6
2	G	815	PRO	3.6
2	H	1512	HIS	3.6
2	K	500	HIS	3.6
2	k	591	PRO	3.6
2	k	1955	PRO	3.6
2	l	1568	HIS	3.6
2	H	285	GLU	3.6
3	P	14	GLU	3.6
1	B	1186	ALA	3.6
1	c	1744	TYR	3.6
2	I	1901	ALA	3.6
2	l	192	ALA	3.6
3	r	52	TYR	3.6
1	B	653	ARG	3.6
1	d	1639	VAL	3.6
1	e	918	GLN	3.6
1	f	231	ARG	3.6
1	f	254	TRP	3.6
1	C	1840	VAL	3.6
1	F	1538	VAL	3.6
2	H	846	VAL	3.6
2	H	1565	VAL	3.6
2	L	941	VAL	3.6
2	L	1804	PHE	3.6
2	g	1499	VAL	3.6
2	i	211	GLN	3.6
2	i	900	GLN	3.6
3	o	110	ARG	3.6
1	B	1182	ASP	3.6
1	C	1251	MET	3.6
1	F	1334	ASP	3.6
1	e	301	ASP	3.6
2	H	776	ASP	3.6
2	h	1708	ASP	3.6
2	j	1599	ASP	3.6
2	l	999	ASP	3.6
2	l	1075	ASP	3.6
2	H	277	LEU	3.6

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Mol	Chain	Res	Type	RSRZ
1	B	389	GLY	3.6
1	d	255	GLY	3.6
2	H	1513	GLY	3.6
2	I	276	GLY	3.6
2	i	1806	GLY	3.6
1	D	1249	SER	3.6
1	E	1112	ASN	3.6
1	F	270	SER	3.6
1	e	1477	ILE	3.6
2	H	457	ILE	3.6
2	J	265	SER	3.6
2	J	1167	SER	3.6
2	K	400	SER	3.6
2	L	742	SER	3.6
2	g	237	SER	3.6
2	g	803	SER	3.6
2	g	1595	ASN	3.6
2	g	1719	ILE	3.6
2	j	969	SER	3.6
2	j	996	ASN	3.6
1	A	1399	PRO	3.6
1	F	674	LYS	3.6
1	a	1347	LYS	3.6
2	j	1145	SER	3.6
2	k	410	SER	3.6
2	k	1817	SER	3.6
3	R	147	SER	3.6
1	F	940	THR	3.6
1	f	1399	PRO	3.6
2	g	259	THR	3.6
2	g	458	PRO	3.6
2	h	1609	THR	3.6
2	j	567	PRO	3.6
2	l	13	HIS	3.6
2	l	845	THR	3.6
1	B	946	GLU	3.6
1	E	1156	GLU	3.6
1	b	6	GLU	3.6
1	b	1040	GLU	3.6
1	b	1782	GLU	3.6
1	c	1850	GLU	3.6
1	e	722	TYR	3.6

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Mol	Chain	Res	Type	RSRZ
2	G	580	GLU	3.6
2	I	1500	GLU	3.6
2	J	266	TYR	3.6
2	J	367	GLU	3.6
2	J	546	GLU	3.6
2	K	928	GLU	3.6
2	h	352	TYR	3.6
2	j	1641	GLU	3.6
2	k	285	GLU	3.6
2	k	1894	GLU	3.6
2	l	2049	GLU	3.6
1	F	153	VAL	3.6
1	F	264	VAL	3.6
1	e	519	VAL	3.6
1	e	813	ARG	3.6
2	j	526	ARG	3.6
2	k	469	ARG	3.6
3	Q	59	ALA	3.6
2	H	938	TRP	3.6
2	K	579	VAL	3.6
2	k	1149	TRP	3.6
2	l	832	TRP	3.6
1	C	989	GLN	3.6
1	a	1507	GLN	3.6
1	b	865	CYS	3.6
1	e	917	CYS	3.6
1	e	1794	GLN	3.6
2	I	1088	GLN	3.6
2	J	238	CYS	3.6
2	J	545	GLN	3.6
2	k	1928	GLN	3.6
2	I	104	LEU	3.6
2	I	800	LEU	3.6
2	J	1617	LEU	3.6
1	E	1182	ASP	3.6
1	F	288	ASP	3.6
1	a	492	ASP	3.6
1	c	1874	ASP	3.6
1	e	215	ASP	3.6
2	J	467	ASP	3.6
2	j	1700	ASP	3.6
2	l	351	ASP	3.6

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Mol	Chain	Res	Type	RSRZ
1	D	1019	ILE	3.6
1	D	1381	GLY	3.6
1	E	1344	GLY	3.6
1	E	1767	GLY	3.6
1	F	1741	LYS	3.6
1	b	1821	LYS	3.6
1	d	1871	ILE	3.6
1	e	284	LYS	3.6
1	e	331	ILE	3.6
2	H	1883	GLY	3.6
2	j	1147	ILE	3.6
2	k	1984	GLY	3.6
2	G	207	LYS	3.6
2	I	254	LYS	3.6
2	k	1950	LYS	3.6
1	A	1748	ASN	3.6
1	B	627	SER	3.6
1	F	1133	PRO	3.6
1	b	49	PRO	3.6
1	b	1804	SER	3.6
1	c	1434	SER	3.6
1	e	1206	SER	3.6
1	e	1374	ASN	3.6
2	G	595	PRO	3.6
2	J	1033	SER	3.6
2	K	725	ASN	3.6
2	i	1602	SER	3.6
1	F	1544	THR	3.6
1	e	31	THR	3.6
1	e	1642	THR	3.6
2	I	1352	HIS	3.6
2	J	747	HIS	3.6
2	j	747	HIS	3.6
2	k	723	HIS	3.6
1	A	6	GLU	3.6
1	B	1568	GLU	3.6
1	C	859	ALA	3.6
1	F	1474	ALA	3.6
1	F	1504	ALA	3.6
1	b	880	ALA	3.6
1	c	962	ALA	3.6
1	e	76	ARG	3.6

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Mol	Chain	Res	Type	RSRZ
2	G	419	ARG	3.6
2	G	1606	ARG	3.6
2	I	981	GLU	3.6
2	I	2040	GLU	3.6
2	K	858	ALA	3.6
2	g	953	ARG	3.6
2	i	1500	GLU	3.6
2	i	1551	GLU	3.6
2	l	305	PHE	3.6
2	l	613	ALA	3.6
3	m	80	ALA	3.6
1	C	1600	LEU	3.6
1	d	1759	MET	3.6
1	e	229	LEU	3.6
2	g	1323	MET	3.6
2	g	1770	LEU	3.6
2	l	104	LEU	3.6
1	C	1380	GLN	3.6
1	F	1380	GLN	3.6
1	a	475	GLN	3.6
1	e	1648	GLN	3.6
3	o	12	GLN	3.6
1	B	834	GLY	3.6
1	B	1481	ASP	3.6
1	E	1087	LYS	3.6
1	E	1866	ASP	3.6
1	F	970	GLY	3.6
1	a	726	GLY	3.6
1	d	1381	GLY	3.6
1	d	1839	ILE	3.6
1	e	503	ILE	3.6
2	G	1305	GLY	3.6
2	G	1860	GLY	3.6
2	i	540	ASP	3.6
2	j	854	ILE	3.6
2	j	1880	LYS	3.6
2	k	1630	GLY	3.6
1	F	825	PRO	3.6
1	e	1399	PRO	3.6
2	K	2012	PRO	3.6
2	h	1402	PRO	3.6
2	l	337	PRO	3.6

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Mol	Chain	Res	Type	RSRZ
1	F	730	SER	3.6
1	b	827	SER	3.6
1	e	1628	SER	3.6
1	f	627	SER	3.6
1	f	1064	ASN	3.6
1	f	1628	SER	3.6
2	G	1585	SER	3.6
2	H	725	ASN	3.6
2	I	125	ASN	3.6
2	g	1772	SER	3.6
2	h	803	SER	3.6
2	j	440	ASN	3.6
2	j	1177	SER	3.6
2	k	1595	ASN	3.6
3	r	138	SER	3.6
1	A	672	THR	3.6
1	A	1733	PHE	3.6
1	B	298	VAL	3.6
1	B	1764	VAL	3.6
1	D	260	ARG	3.6
1	F	1575	VAL	3.6
1	c	653	ARG	3.6
1	d	1760	THR	3.6
2	G	371	VAL	3.6
2	G	435	ALA	3.6
2	I	811	VAL	3.6
2	I	1089	TYR	3.6
2	I	1965	ALA	3.6
2	L	1321	ALA	3.6
2	L	1473	THR	3.6
2	L	1788	ALA	3.6
2	l	1437	THR	3.6
1	A	1008	GLU	3.6
1	C	72	LEU	3.6
1	C	513	GLU	3.6
1	D	1797	GLU	3.6
1	c	633	GLU	3.6
2	J	21	LEU	3.6
2	L	1869	GLU	3.6
2	g	1054	LEU	3.6
2	i	1492	GLU	3.6
2	j	183	LEU	3.6

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Mol	Chain	Res	Type	RSRZ
2	k	903	TRP	3.6
2	k	640	GLN	3.6
1	f	491	LYS	3.6
2	G	557	LYS	3.6
2	I	706	LYS	3.6
2	g	1163	LYS	3.6
1	E	255	GLY	3.6
1	d	1509	GLY	3.6
1	d	1543	GLY	3.6
2	I	1144	GLY	3.6
1	A	608	ASP	3.6
1	E	215	ASP	3.6
2	J	204	ASP	3.6
2	l	461	ASP	3.6
2	l	745	ASP	3.6
3	q	78	ASP	3.6
1	c	1301	PRO	3.6
2	I	815	PRO	3.6
2	i	315	PRO	3.6
2	k	383	PRO	3.6
3	n	145	PRO	3.6
1	A	951	SER	3.6
1	A	1238	VAL	3.6
1	A	1764	VAL	3.6
1	B	975	ALA	3.6
1	D	1660	TYR	3.6
1	E	1737	ASN	3.6
1	E	1828	LEU	3.6
1	b	1261	PHE	3.6
1	b	152	HIS	3.6
1	b	1432	HIS	3.6
1	b	1764	VAL	3.6
1	b	1765	SER	3.6
1	c	354	LEU	3.6
1	e	57	ALA	3.6
1	e	283	ALA	3.6
2	H	430	HIS	3.6
2	H	723	HIS	3.6
2	I	1269	LEU	3.6
2	K	780	TYR	3.6
2	L	1761	SER	3.6
2	g	1002	HIS	3.6

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Mol	Chain	Res	Type	RSRZ
2	h	476	SER	3.6
2	h	751	LEU	3.6
2	k	1431	TYR	3.6
2	k	1715	VAL	3.6
1	A	1488	GLU	3.6
1	D	1428	THR	3.6
1	F	199	GLU	3.6
1	F	1528	THR	3.6
1	a	208	GLU	3.6
1	d	1016	GLU	3.6
1	d	1532	THR	3.6
2	I	813	THR	3.6
2	I	885	GLU	3.6
2	I	1467	GLU	3.6
2	I	1673	GLU	3.6
2	L	744	GLU	3.6
2	g	206	GLU	3.6
2	h	1495	THR	3.6
2	h	1739	GLU	3.6
2	j	1667	THR	3.6
2	k	1041	GLU	3.6
3	O	15	GLU	3.6
3	m	106	GLU	3.6
1	e	1591	TRP	3.6
1	C	784	ILE	3.6
1	E	769	ILE	3.6
1	F	1514	LYS	3.6
2	G	1888	ILE	3.6
2	I	456	GLN	3.6
2	L	456	GLN	3.6
2	L	1475	LYS	3.6
2	g	1036	GLN	3.6
2	l	1128	LYS	3.6
1	D	1199	GLY	3.6
1	E	1768	GLY	3.6
1	F	48	GLY	3.6
1	F	778	GLY	3.6
2	G	554	GLY	3.6
1	B	1334	ASP	3.5
1	C	174	ASP	3.5
1	C	1419	PRO	3.5
1	D	617	PRO	3.5

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Mol	Chain	Res	Type	RSRZ
1	D	668	PHE	3.5
1	E	253	ARG	3.5
1	b	1866	ASP	3.5
1	c	985	ARG	3.5
1	d	1209	ASP	3.5
1	e	1230	ASP	3.5
1	e	1246	CYS	3.5
2	G	1547	PRO	3.5
2	I	1849	ARG	3.5
2	K	1230	ASP	3.5
2	L	1050	ARG	3.5
2	l	487	PRO	3.5
2	l	829	ASP	3.5
2	i	1044	VAL	3.5
2	i	1483	VAL	3.5
2	l	122	LEU	3.5
2	l	450	PHE	3.5
1	F	1611	ALA	3.5
1	b	901	MET	3.5
1	e	1592	MET	3.5
2	G	1255	MET	3.5
1	A	235	SER	3.5
1	A	882	ASN	3.5
1	A	1628	SER	3.5
1	B	1734	ASN	3.5
1	C	184	ASN	3.5
1	C	1558	ASN	3.5
1	C	1827	SER	3.5
1	D	1758	ASN	3.5
1	e	1703	HIS	3.5
2	k	177	TYR	3.5
2	G	742	SER	3.5
2	H	265	SER	3.5
2	H	1246	ASN	3.5
2	I	385	SER	3.5
2	I	1865	SER	3.5
2	L	1619	ASN	3.5
2	g	1514	ASN	3.5
2	l	1851	ASN	3.5
3	O	137	ASN	3.5
1	B	207	GLU	3.5
1	C	460	GLU	3.5

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Mol	Chain	Res	Type	RSRZ
1	C	1073	THR	3.5
1	b	204	THR	3.5
1	c	1022	THR	3.5
1	d	895	THR	3.5
1	f	1581	THR	3.5
1	f	1788	GLU	3.5
2	G	1379	GLU	3.5
2	I	59	GLU	3.5
2	I	532	THR	3.5
2	J	210	THR	3.5
2	K	24	THR	3.5
2	i	1183	GLU	3.5
2	k	1160	THR	3.5
2	l	1652	THR	3.5
2	l	1663	THR	3.5
3	r	150	ILE	3.5
1	D	1380	GLN	3.5
1	E	299	GLY	3.5
1	d	1565	GLY	3.5
2	G	161	GLY	3.5
2	H	98	GLY	3.5
2	I	373	GLY	3.5
2	J	1896	GLN	3.5
2	K	531	GLY	3.5
2	L	1080	GLY	3.5
2	l	734	GLY	3.5
3	q	6	GLY	3.5
1	F	1541	PHE	3.5
1	a	163	LEU	3.5
2	G	8	PRO	3.5
2	G	847	ARG	3.5
2	H	2003	VAL	3.5
2	J	1244	PRO	3.5
2	J	1047	ASP	3.5
2	J	1953	VAL	3.5
2	g	1015	VAL	3.5
2	h	434	PRO	3.5
2	h	795	PRO	3.5
2	j	1567	ARG	3.5
1	B	376	ASP	3.5
1	F	1634	ASP	3.5
1	a	606	ASP	3.5

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Mol	Chain	Res	Type	RSRZ
1	b	1848	ALA	3.5
1	b	1874	ASP	3.5
1	c	1251	MET	3.5
1	c	1474	ALA	3.5
1	d	1150	ASP	3.5
1	D	1799	CYS	3.5
1	F	1623	TYR	3.5
1	e	141	ALA	3.5
2	G	1800	ALA	3.5
2	I	460	TYR	3.5
2	I	1298	TYR	3.5
2	L	58	ALA	3.5
2	k	609	ALA	3.5
3	n	78	ASP	3.5
1	b	1119	LYS	3.5
1	C	612	GLU	3.5
1	E	1519	ILE	3.5
1	b	881	ASN	3.5
1	d	1350	SER	3.5
1	e	148	SER	3.5
1	f	1737	ASN	3.5
2	G	1217	ASN	3.5
2	H	237	SER	3.5
2	I	1439	LYS	3.5
2	L	582	LYS	3.5
2	I	985	ASN	3.5
2	J	1561	ASN	3.5
2	L	1951	SER	3.5
2	h	1037	SER	3.5
1	b	1464	GLU	3.5
1	c	1156	GLU	3.5
2	K	1101	GLU	3.5
2	h	1767	GLU	3.5
2	l	323	ILE	3.5
2	l	1894	GLU	3.5
3	M	20	ILE	3.5
3	R	91	ILE	3.5
2	L	1667	THR	3.5
1	E	1383	GLY	3.5
1	b	1248	GLY	3.5
2	G	1369	GLY	3.5
2	G	1778	GLN	3.5

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Mol	Chain	Res	Type	RSRZ
2	I	614	GLY	3.5
2	K	1669	GLN	3.5
2	L	245	GLN	3.5
2	h	507	GLY	3.5
2	j	900	GLN	3.5
2	k	623	GLY	3.5
2	l	350	GLN	3.5
2	l	1187	GLY	3.5
1	C	1258	ARG	3.5
1	C	1621	PHE	3.5
1	F	175	LEU	3.5
1	B	911	PRO	3.5
1	C	636	PRO	3.5
1	a	264	VAL	3.5
1	b	1084	VAL	3.5
1	f	359	ARG	3.5
2	I	157	VAL	3.5
2	K	796	PHE	3.5
2	L	1629	VAL	3.5
2	L	1862	VAL	3.5
2	g	1738	PHE	3.5
2	h	1332	ARG	3.5
2	l	1666	PHE	3.5
2	H	337	PRO	3.5
2	l	795	PRO	3.5
1	A	1753	ALA	3.5
1	F	1759	MET	3.5
1	e	772	ALA	3.5
2	H	282	ALA	3.5
1	A	403	ASP	3.5
1	a	20	TYR	3.5
1	b	429	ASP	3.5
1	e	495	LYS	3.5
1	e	1481	ASP	3.5
1	e	1717	ASP	3.5
1	f	998	TYR	3.5
2	H	1123	ASP	3.5
2	I	960	LYS	3.5
2	J	1416	TYR	3.5
2	g	1032	ASP	3.5
2	h	51	ASP	3.5
2	h	1163	LYS	3.5

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Mol	Chain	Res	Type	RSRZ
2	h	1324	ASP	3.5
2	k	1530	LYS	3.5
1	C	1873	HIS	3.5
1	F	454	HIS	3.5
2	i	1512	HIS	3.5
1	B	1156	GLU	3.5
1	C	1619	GLU	3.5
1	F	1139	GLU	3.5
1	F	1284	SER	3.5
1	d	1321	SER	3.5
1	d	1337	GLU	3.5
1	d	1843	ASN	3.5
1	e	1272	ASN	3.5
1	f	1434	SER	3.5
2	G	1467	GLU	3.5
2	I	340	SER	3.5
2	I	832	TRP	3.5
2	I	1990	SER	3.5
2	g	354	ASN	3.5
2	h	1654	GLU	3.5
2	k	5	SER	3.5
2	k	196	SER	3.5
2	k	429	SER	3.5
2	k	1035	TRP	3.5
2	k	1942	GLU	3.5
2	l	1586	SER	3.5
3	M	15	GLU	3.5
1	A	621	THR	3.5
1	A	872	THR	3.5
1	C	1528	THR	3.5
1	D	357	GLY	3.5
1	b	874	GLY	3.5
1	d	814	GLY	3.5
2	H	551	THR	3.5
2	l	115	THR	3.5
3	N	137	ASN	3.5
2	H	554	GLY	3.5
3	M	50	GLY	3.5
1	F	1739	GLN	3.5
1	a	908	LEU	3.5
2	I	365	GLN	3.5
2	J	1202	GLN	3.5

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Mol	Chain	Res	Type	RSRZ
2	J	1211	LEU	3.5
1	A	1721	ARG	3.5
1	D	1223	PHE	3.5
1	F	894	ARG	3.5
2	H	1964	PHE	3.5
2	L	1065	VAL	3.5
2	i	953	ARG	3.5
2	l	137	PHE	3.5
1	F	1571	PRO	3.5
1	c	290	MET	3.5
1	c	1133	PRO	3.5
1	c	1571	PRO	3.5
2	J	1229	MET	3.5
2	L	976	PRO	3.5
2	g	1987	PRO	3.5
2	h	383	PRO	3.5
2	l	792	PRO	3.5
1	C	284	LYS	3.5
1	D	399	ALA	3.5
1	F	283	ALA	3.5
1	F	685	LYS	3.5
1	b	1497	ALA	3.5
1	e	885	ALA	3.5
2	J	1863	ALA	3.5
2	K	103	ALA	3.5
2	h	424	ALA	3.5
1	b	1062	TYR	3.5
2	h	1993	LYS	3.5
1	c	1273	ASP	3.5
1	d	1333	ASP	3.5
2	H	999	ASP	3.5
2	H	1280	ASP	3.5
2	I	999	ASP	3.5
2	I	1344	ASP	3.5
2	I	1458	ASP	3.5
2	g	745	ASP	3.5
2	k	51	ASP	3.5
3	N	78	ASP	3.5
3	O	78	ASP	3.5
3	q	25	ASP	3.5
1	F	830	HIS	3.5
1	d	1146	HIS	3.5

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Mol	Chain	Res	Type	RSRZ
1	A	1483	ASN	3.5
1	A	1765	SER	3.5
1	B	1330	GLY	3.5
1	B	1383	GLY	3.5
1	B	1479	SER	3.5
1	C	627	SER	3.5
1	C	1813	TRP	3.5
1	B	1570	ASN	3.5
1	D	289	SER	3.5
1	F	684	GLY	3.5
1	a	193	GLU	3.5
1	b	431	GLU	3.5
1	e	143	GLU	3.5
1	f	406	TRP	3.5
2	H	928	GLU	3.5
2	I	465	GLY	3.5
2	I	1883	GLY	3.5
2	J	491	GLU	3.5
2	L	1884	TRP	3.5
2	J	644	GLY	3.5
2	g	363	GLY	3.5
2	g	909	GLY	3.5
2	i	614	GLY	3.5
2	k	1551	GLU	3.5
1	C	1372	THR	3.5
1	a	1305	CYS	3.5
1	c	881	ASN	3.5
1	d	917	CYS	3.5
2	l	769	SER	3.5
1	f	781	LEU	3.5
2	J	286	THR	3.5
2	g	1774	THR	3.5
2	h	279	THR	3.5
2	k	468	LEU	3.5
1	B	527	GLN	3.5
1	E	261	GLN	3.5
1	c	931	GLN	3.5
1	d	1576	PHE	3.5
2	G	469	ARG	3.5
2	G	736	ARG	3.5
2	G	1669	GLN	3.5
2	h	1666	PHE	3.5

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Mol	Chain	Res	Type	RSRZ
2	i	48	PHE	3.5
2	j	61	VAL	3.5
2	j	1474	PHE	3.5
2	l	22	VAL	3.5
2	l	543	PHE	3.5
1	B	257	PRO	3.5
1	C	168	MET	3.5
1	E	1301	PRO	3.5
1	b	440	MET	3.5
1	b	1251	MET	3.5
2	J	1955	PRO	3.5
2	g	23	PRO	3.5
2	g	604	PRO	3.5
1	b	859	ALA	3.5
1	b	973	ALA	3.5
1	d	1855	ALA	3.5
2	K	822	ALA	3.5
2	j	299	ALA	3.5
2	j	897	ALA	3.5
1	D	1529	TYR	3.5
1	e	490	TYR	3.5
2	G	101	ILE	3.5
2	G	244	ILE	3.5
2	H	1755	ILE	3.5
1	A	606	ASP	3.5
1	C	403	ASP	3.5
1	C	639	HIS	3.5
1	D	1772	ASP	3.5
1	d	1063	HIS	3.5
1	e	429	ASP	3.5
1	e	459	ASP	3.5
2	H	1700	ASP	3.5
2	K	521	ASP	3.5
2	L	1512	HIS	3.5
2	L	1628	HIS	3.5
2	g	430	HIS	3.5
2	g	1280	ASP	3.5
2	h	1599	ASP	3.5
2	i	186	ASP	3.5
2	i	1032	ASP	3.5
2	l	974	ASP	3.5
1	C	178	GLY	3.5

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Mol	Chain	Res	Type	RSRZ
1	C	1824	GLY	3.5
1	D	1058	GLY	3.5
1	F	150	LEU	3.5
1	F	228	LEU	3.5
1	F	1501	LEU	3.5
1	a	185	GLU	3.5
1	b	633	GLU	3.5
1	b	1591	TRP	3.5
1	c	1496	GLU	3.5
1	e	647	GLY	3.5
2	G	1848	GLY	3.5
2	H	59	GLU	3.5
2	I	47	GLY	3.5
2	I	1654	GLU	3.5
2	g	1471	GLU	3.5
2	h	1183	GLU	3.5
2	i	1054	LEU	3.5
3	P	6	GLY	3.5
3	o	98	GLU	3.5
1	A	260	ARG	3.5
1	B	623	SER	3.5
1	E	1479	SER	3.5
1	F	1743	SER	3.5
1	a	1518	ARG	3.5
1	b	1735	SER	3.5
1	d	1434	SER	3.5
1	b	1769	VAL	3.5
1	e	361	PHE	3.5
1	e	972	SER	3.5
2	J	449	SER	3.5
1	A	1581	THR	3.5
1	B	1374	ASN	3.5
1	C	610	THR	3.5
1	D	237	MET	3.5
1	E	739	GLN	3.5
1	F	300	VAL	3.5
1	f	145	VAL	3.5
2	G	1173	VAL	3.5
2	H	1044	VAL	3.5
2	I	1007	CYS	3.5
2	I	2027	GLN	3.5
2	J	1160	THR	3.5

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Mol	Chain	Res	Type	RSRZ
2	J	1928	GLN	3.5
2	K	1556	VAL	3.5
2	i	1036	GLN	3.5
2	i	1186	ASN	3.5
2	k	1522	ARG	3.5
1	d	1246	CYS	3.5
2	g	1659	GLN	3.5
2	i	1667	THR	3.5
2	j	680	THR	3.5
1	a	495	LYS	3.5
1	A	1504	ALA	3.5
1	C	167	PRO	3.5
2	I	1955	PRO	3.5
2	J	979	ALA	3.5
2	K	23	PRO	3.5
2	j	924	LYS	3.5
1	C	291	ALA	3.5
1	e	859	ALA	3.5
2	i	990	ALA	3.5
2	k	664	PRO	3.5
2	l	148	ALA	3.5
2	l	1249	ALA	3.5
2	l	1863	ALA	3.5
1	A	680	ILE	3.5
1	F	490	TYR	3.5
2	J	460	TYR	3.5
2	h	1755	ILE	3.5
2	j	483	ILE	3.5
1	d	228	LEU	3.5
1	d	232	LEU	3.5
1	d	328	LEU	3.5
1	B	255	GLY	3.5
1	C	1481	ASP	3.5
1	E	1333	ASP	3.5
1	b	487	ASP	3.5
1	e	1063	HIS	3.5
2	I	430	HIS	3.5
2	K	949	ASP	3.5
2	K	1104	GLY	3.5
2	g	1703	GLY	3.5
2	h	81	ASP	3.5
2	j	1302	HIS	3.5

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Mol	Chain	Res	Type	RSRZ
1	B	8	GLU	3.5
1	F	1261	PHE	3.5
2	H	505	GLY	3.5
1	c	1431	GLU	3.5
1	d	253	ARG	3.5
1	d	632	ARG	3.5
2	G	852	GLU	3.5
2	G	865	TRP	3.5
2	k	276	GLY	3.5
2	k	381	GLY	3.5
2	H	1905	ARG	3.5
2	J	469	ARG	3.5
2	g	1497	GLU	3.5
2	k	1749	GLU	3.5
2	l	285	GLU	3.5
2	l	546	GLU	3.5
2	l	1616	VAL	3.5
3	q	27	GLU	3.5
3	q	90	GLU	3.5
1	A	826	MET	3.5
1	A	1800	SER	3.5
1	B	1417	SER	3.5
1	D	73	SER	3.5
1	A	261	GLN	3.5
1	A	388	ASN	3.5
1	A	738	ASN	3.5
1	D	881	ASN	3.5
1	E	1299	LYS	3.5
1	d	170	LYS	3.5
2	G	476	SER	3.5
2	H	1854	MET	3.5
2	I	466	SER	3.5
2	I	1383	ASN	3.5
2	J	900	GLN	3.5
2	J	1949	LYS	3.5
2	K	1775	GLN	3.5
2	K	1986	LYS	3.5
3	O	38	SER	3.5
3	n	135	MET	3.5
1	E	501	THR	3.5
1	f	15	THR	3.5
1	f	634	THR	3.5

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Mol	Chain	Res	Type	RSRZ
2	G	680	THR	3.5
2	G	1395	THR	3.5
2	H	1061	GLN	3.5
2	J	1979	THR	3.5
2	K	494	THR	3.5
2	g	959	THR	3.5
2	h	519	ASN	3.5
1	A	49	PRO	3.5
1	A	1779	ILE	3.5
1	C	399	ALA	3.5
1	D	167	PRO	3.5
1	E	865	CYS	3.5
1	F	880	ALA	3.5
1	a	494	ALA	3.5
1	d	1693	ILE	3.5
2	G	1294	ALA	3.5
2	J	1303	ALA	3.5
2	g	506	PRO	3.5
2	g	634	ILE	3.5
2	k	54	PRO	3.5
2	k	1870	ALA	3.5
2	l	1618	PRO	3.5
1	B	294	TYR	3.5
1	E	249	TYR	3.5
2	I	1545	TYR	3.5
2	K	970	TYR	3.5
2	k	387	TYR	3.5
1	B	250	LEU	3.4
1	c	616	LEU	3.4
1	f	232	LEU	3.4
2	j	1086	LEU	3.4
2	l	1054	LEU	3.4
1	E	686	GLY	3.4
1	b	887	GLY	3.4
1	b	1721	ARG	3.4
1	c	532	GLY	3.4
1	d	157	HIS	3.4
2	H	1398	ARG	3.4
2	I	526	ARG	3.4
2	I	699	GLY	3.4
2	J	162	GLY	3.4
2	K	644	GLY	3.4

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Mol	Chain	Res	Type	RSRZ
2	g	1513	GLY	3.4
2	h	912	ARG	3.4
2	i	851	GLY	3.4
2	i	1002	HIS	3.4
2	j	1345	GLY	3.4
1	B	1150	ASP	3.4
1	C	1077	ASP	3.4
1	C	1084	VAL	3.4
1	C	1334	ASP	3.4
1	D	44	VAL	3.4
1	D	254	TRP	3.4
1	a	1273	ASP	3.4
1	d	69	ASP	3.4
1	d	974	ASP	3.4
1	f	282	ASP	3.4
2	G	797	ASP	3.4
2	h	1679	ASP	3.4
2	j	1079	ASP	3.4
2	j	1310	ASP	3.4
2	k	167	ASP	3.4
2	k	1079	ASP	3.4
2	k	1270	TRP	3.4
2	l	168	ASP	3.4
1	C	1868	LYS	3.4
1	b	1751	GLU	3.4
2	G	1641	GLU	3.4
2	H	1727	LYS	3.4
2	K	59	GLU	3.4
2	g	415	LYS	3.4
2	h	856	LYS	3.4
2	k	956	GLU	3.4
1	A	270	SER	3.4
1	B	1778	SER	3.4
1	C	227	SER	3.4
1	c	918	GLN	3.4
1	d	1164	SER	3.4
1	f	628	SER	3.4
2	K	900	GLN	3.4
2	h	79	GLN	3.4
2	i	1235	SER	3.4
2	k	645	SER	3.4
1	B	1080	THR	3.4

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Mol	Chain	Res	Type	RSRZ
1	C	770	PRO	3.4
1	E	1204	ILE	3.4
3	q	12	GLN	3.4
1	b	212	THR	3.4
1	d	984	PRO	3.4
1	f	54	ALA	3.4
1	f	242	THR	3.4
1	f	508	ASN	3.4
2	G	1740	THR	3.4
2	H	153	ASN	3.4
2	H	492	THR	3.4
2	I	1595	ASN	3.4
2	J	680	THR	3.4
2	J	1774	THR	3.4
2	L	817	ALA	3.4
2	L	915	ALA	3.4
2	L	2015	THR	3.4
2	g	559	PRO	3.4
2	h	1947	ALA	3.4
2	k	301	THR	3.4
2	k	631	THR	3.4
1	E	1513	TYR	3.4
1	a	977	TYR	3.4
1	C	149	LEU	3.4
1	d	17	LEU	3.4
2	H	512	LEU	3.4
2	i	1907	LEU	3.4
2	k	592	LEU	3.4
1	B	194	PHE	3.4
1	c	1841	ARG	3.4
2	H	409	PHE	3.4
2	H	1582	GLY	3.4
2	J	1445	ARG	3.4
2	L	505	GLY	3.4
3	m	5	GLY	3.4
3	r	149	PHE	3.4
1	B	500	LYS	3.4
1	D	1714	VAL	3.4
1	B	599	MET	3.4
1	B	1406	MET	3.4
1	C	871	TRP	3.4
1	D	284	LYS	3.4

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Mol	Chain	Res	Type	RSRZ
2	I	556	LYS	3.4
2	l	1166	VAL	3.4
2	J	1736	MET	3.4
2	g	289	TRP	3.4
1	A	1048	GLU	3.4
1	B	202	GLU	3.4
1	B	925	ASP	3.4
1	B	1838	GLU	3.4
1	F	1150	ASP	3.4
1	F	1203	ASP	3.4
1	c	1333	ASP	3.4
1	d	1230	ASP	3.4
1	f	1774	GLU	3.4
2	G	829	ASP	3.4
2	k	1291	GLU	3.4
3	O	136	ASP	3.4
1	a	769	ILE	3.4
1	a	982	ILE	3.4
3	m	148	ILE	3.4
3	n	20	ILE	3.4
3	n	53	ILE	3.4
1	C	283	ALA	3.4
1	F	1718	PRO	3.4
1	a	1249	SER	3.4
1	c	739	GLN	3.4
1	d	1540	SER	3.4
2	H	1145	SER	3.4
2	H	1281	PRO	3.4
2	J	82	GLN	3.4
2	J	2035	SER	3.4
2	K	322	SER	3.4
2	k	1714	PRO	3.4
2	k	1780	ALA	3.4
2	l	1321	ALA	3.4
2	l	1674	GLN	3.4
3	R	4	ALA	3.4
1	A	151	LEU	3.4
1	A	987	ASN	3.4
1	B	1442	ASN	3.4
1	C	875	THR	3.4
1	C	1777	THR	3.4
1	a	1487	LEU	3.4

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Mol	Chain	Res	Type	RSRZ
2	H	1498	THR	3.4
2	I	246	LEU	3.4
2	I	1243	ASN	3.4
2	I	1514	ASN	3.4
2	K	85	ASN	3.4
2	L	523	THR	3.4
2	h	1155	LEU	3.4
2	i	1341	ASN	3.4
2	j	1188	ASN	3.4
2	j	1293	THR	3.4
1	b	1072	TYR	3.4
1	d	1401	TYR	3.4
2	k	21	LEU	3.4
1	B	632	ARG	3.4
1	F	1327	CYS	3.4
1	C	1423	LYS	3.4
1	F	248	LYS	3.4
1	a	426	LYS	3.4
1	b	1857	LYS	3.4
1	e	1514	LYS	3.4
1	e	1761	LYS	3.4
1	f	1398	VAL	3.4
2	G	758	ARG	3.4
2	G	2023	LYS	3.4
2	H	556	LYS	3.4
2	I	1703	GLY	3.4
2	I	2021	VAL	3.4
2	J	1105	GLY	3.4
2	L	61	VAL	3.4
2	j	1849	ARG	3.4
3	O	9	ARG	3.4
1	D	599	MET	3.4
2	g	164	GLY	3.4
2	g	1203	GLY	3.4
2	h	588	GLY	3.4
2	i	1848	GLY	3.4
2	j	47	GLY	3.4
2	j	269	GLY	3.4
2	k	597	MET	3.4
3	R	22	GLY	3.4
1	e	1433	HIS	3.4
1	A	1334	ASP	3.4

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Mol	Chain	Res	Type	RSRZ
1	a	1412	ASP	3.4
1	d	142	ASP	3.4
1	d	1130	ASP	3.4
1	e	358	GLU	3.4
1	e	1209	ASP	3.4
1	f	538	GLU	3.4
1	f	888	ILE	3.4
1	f	1412	ASP	3.4
1	f	1860	GLU	3.4
2	H	347	GLU	3.4
2	I	1092	ASP	3.4
2	L	481	ASP	3.4
2	i	461	ASP	3.4
2	k	186	ASP	3.4
1	D	1116	PRO	3.4
1	D	1747	ALA	3.4
1	E	57	ALA	3.4
1	E	1832	ALA	3.4
1	c	283	ALA	3.4
1	e	265	LEU	3.4
1	f	775	PRO	3.4
1	f	1368	PRO	3.4
2	G	1538	PRO	3.4
2	I	1129	ALA	3.4
2	J	105	ALA	3.4
2	J	722	ALA	3.4
2	K	116	LEU	3.4
2	K	335	PRO	3.4
2	h	640	GLN	3.4
2	j	1562	PRO	3.4
2	k	599	PRO	3.4
2	L	969	SER	3.4
2	g	755	SER	3.4
2	i	1177	SER	3.4
2	k	476	SER	3.4
2	k	1873	TYR	3.4
3	R	3	SER	3.4
1	F	1245	ASN	3.4
1	e	1885	THR	3.4
2	H	128	THR	3.4
2	L	99	ASN	3.4
2	h	646	THR	3.4

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Mol	Chain	Res	Type	RSRZ
2	h	1713	ASN	3.4
2	h	1983	ASN	3.4
2	i	142	ASN	3.4
2	k	612	ASN	3.4
2	l	99	ASN	3.4
1	A	284	LYS	3.4
1	B	1761	LYS	3.4
1	F	1485	PHE	3.4
1	d	146	LYS	3.4
1	e	668	PHE	3.4
1	B	1881	VAL	3.4
1	E	1773	VAL	3.4
1	e	954	ARG	3.4
1	e	1502	ARG	3.4
1	e	1886	LYS	3.4
2	G	453	LYS	3.4
2	I	170	PHE	3.4
2	J	771	PHE	3.4
2	J	550	VAL	3.4
2	g	1472	VAL	3.4
2	l	1288	LYS	3.4
1	B	237	MET	3.4
1	C	440	MET	3.4
1	d	1365	MET	3.4
1	f	834	GLY	3.4
2	g	806	MET	3.4
2	l	1180	MET	3.4
3	P	50	GLY	3.4
3	p	6	GLY	3.4
2	k	310	CYS	3.4
2	l	1052	CYS	3.4
1	C	1075	TRP	3.4
1	F	815	ILE	3.4
1	c	297	ILE	3.4
2	I	747	HIS	3.4
2	J	535	ILE	3.4
2	j	244	ILE	3.4
1	B	1364	GLU	3.4
1	C	1817	GLU	3.4
1	D	10	ALA	3.4
1	D	280	GLU	3.4
1	a	616	LEU	3.4

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Mol	Chain	Res	Type	RSRZ
1	d	880	ALA	3.4
1	e	1622	GLU	3.4
2	G	263	LEU	3.4
2	G	618	GLU	3.4
2	J	92	GLU	3.4
2	L	97	GLU	3.4
2	L	1253	GLU	3.4
2	h	312	GLU	3.4
2	i	1122	GLU	3.4
1	D	1230	ASP	3.4
1	F	1333	ASP	3.4
1	a	33	ASP	3.4
1	a	1085	ASP	3.4
2	H	829	ASP	3.4
2	j	58	ALA	3.4
2	l	167	ASP	3.4
3	m	29	ALA	3.4
2	g	1859	PRO	3.4
2	g	1955	PRO	3.4
2	i	239	PRO	3.4
1	D	1648	GLN	3.4
2	L	1049	GLN	3.4
2	k	275	GLN	3.4
2	k	1088	GLN	3.4
1	C	89	TYR	3.4
1	F	998	TYR	3.4
1	e	1728	SER	3.4
2	K	1557	SER	3.4
2	l	143	SER	3.4
1	A	971	ASN	3.4
1	B	650	LYS	3.4
1	F	181	THR	3.4
1	C	601	VAL	3.4
1	F	1748	ASN	3.4
1	a	241	PHE	3.4
1	f	1613	ASN	3.4
1	f	1748	ASN	3.4
2	G	1332	ARG	3.4
2	G	1342	THR	3.4
1	c	1773	VAL	3.4
1	d	1771	VAL	3.4
1	e	245	VAL	3.4

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Mol	Chain	Res	Type	RSRZ
2	G	1555	ARG	3.4
2	I	345	THR	3.4
2	I	1160	THR	3.4
2	J	1227	ARG	3.4
2	g	743	PHE	3.4
2	h	733	THR	3.4
2	L	1616	VAL	3.4
2	i	544	LYS	3.4
2	j	485	ARG	3.4
2	j	685	VAL	3.4
2	l	529	VAL	3.4
3	n	8	ARG	3.4
1	C	1065	GLY	3.4
1	F	1069	GLY	3.4
1	a	263	GLY	3.4
1	b	1375	GLY	3.4
2	J	1558	GLY	3.4
1	B	823	ILE	3.4
1	C	768	ILE	3.4
1	F	688	ILE	3.4
2	G	1389	ILE	3.4
2	G	1719	ILE	3.4
2	l	483	ILE	3.4
1	F	853	TRP	3.4
1	A	362	LEU	3.4
1	C	157	HIS	3.4
2	K	1919	LEU	3.4
2	i	1904	LEU	3.4
1	E	1653	ALA	3.4
1	F	1848	ALA	3.4
1	F	1858	ALA	3.4
1	a	1817	GLU	3.4
1	b	446	ALA	3.4
1	c	1782	GLU	3.4
1	e	856	GLU	3.4
1	e	1504	ALA	3.4
2	K	1864	ALA	3.4
2	L	424	ALA	3.4
1	a	911	PRO	3.4
1	D	1334	ASP	3.4
1	F	174	ASP	3.4
1	F	743	GLN	3.4

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Mol	Chain	Res	Type	RSRZ
1	F	1086	ASP	3.4
1	a	974	ASP	3.4
1	b	1333	ASP	3.4
1	d	979	GLN	3.4
2	G	266	TYR	3.4
2	G	1075	ASP	3.4
2	H	775	ASP	3.4
2	L	521	ASP	3.4
2	g	138	ASP	3.4
2	h	999	ASP	3.4
2	h	1928	GLN	3.4
2	i	974	ASP	3.4
2	i	1123	ASP	3.4
2	j	1047	ASP	3.4
2	k	460	TYR	3.4
2	k	1614	ASP	3.4
2	l	605	ASP	3.4
3	n	141	ASP	3.4
1	C	1081	LYS	3.4
1	A	1545	SER	3.4
1	B	613	VAL	3.4
1	B	1743	SER	3.4
1	D	620	SER	3.4
1	F	954	ARG	3.4
1	F	1059	PHE	3.4
1	F	1223	PHE	3.4
1	b	293	LYS	3.4
1	e	333	LYS	3.4
2	H	1640	PHE	3.4
2	I	544	LYS	3.4
2	g	625	PHE	3.4
2	g	1998	LYS	3.4
2	i	140	LYS	3.4
2	j	958	PHE	3.4
2	k	1941	PHE	3.4
1	b	1778	SER	3.4
2	I	1531	VAL	3.4
2	K	1511	SER	3.4
2	L	1544	SER	3.4
2	L	1588	SER	3.4
2	g	965	SER	3.4
2	j	358	SER	3.4

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Mol	Chain	Res	Type	RSRZ
1	A	1610	ASN	3.4
1	B	216	THR	3.4
1	C	1411	THR	3.4
1	d	610	THR	3.4
1	d	1229	THR	3.4
1	B	55	GLY	3.4
1	B	299	GLY	3.4
1	E	1543	GLY	3.4
1	F	759	GLY	3.4
1	a	1574	GLY	3.4
1	b	1397	GLY	3.4
1	b	1767	GLY	3.4
1	e	271	ASN	3.4
2	H	1736	MET	3.4
2	I	1470	THR	3.4
2	i	1473	THR	3.4
2	j	658	MET	3.4
1	e	1248	GLY	3.4
1	e	1359	GLY	3.4
1	e	1729	GLY	3.4
2	H	1203	GLY	3.4
2	g	1883	GLY	3.4
2	i	1971	GLY	3.4
2	j	1246	ASN	3.4
2	k	1513	GLY	3.4
2	l	224	ASN	3.4
1	E	175	LEU	3.4
1	d	266	LEU	3.4
1	f	269	LEU	3.4
1	A	1813	TRP	3.4
1	B	649	TRP	3.4
1	C	406	TRP	3.4
2	I	1449	TRP	3.4
2	i	1564	HIS	3.4
1	B	1720	ALA	3.4
1	E	614	ALA	3.4
2	J	1294	ALA	3.4
2	k	989	ALA	3.4
1	A	185	GLU	3.4
1	F	780	GLU	3.4
1	a	856	GLU	3.4
1	c	207	GLU	3.4

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Mol	Chain	Res	Type	RSRZ
1	c	1338	GLU	3.4
2	G	1799	PRO	3.4
2	L	477	GLU	3.4
2	g	1244	PRO	3.4
2	h	1420	GLU	3.4
3	N	14	GLU	3.4
1	A	90	TYR	3.4
1	B	624	LYS	3.4
1	B	836	ASP	3.4
1	C	1000	GLN	3.4
1	c	1821	LYS	3.4
1	d	236	LYS	3.4
2	G	140	LYS	3.4
1	D	1609	ARG	3.4
1	E	1511	ASP	3.4
1	b	1334	ASP	3.4
1	d	520	ARG	3.4
1	f	709	ARG	3.4
2	G	275	GLN	3.4
2	I	2020	GLN	3.4
2	K	95	TYR	3.4
2	i	1311	PHE	3.4
2	i	941	VAL	3.4
2	i	1590	ARG	3.4
2	k	163	GLN	3.4
2	l	1357	TYR	3.4
2	J	1472	VAL	3.4
2	L	776	ASP	3.4
2	L	1023	ARG	3.4
2	h	1299	ASP	3.4
2	l	1614	ASP	3.4
2	l	1669	GLN	3.4
3	p	134	ASP	3.4
1	d	891	MET	3.4
1	A	1865	THR	3.4
1	a	1811	GLY	3.4
2	G	473	GLY	3.4
2	G	1380	SER	3.4
2	I	1091	GLY	3.4
2	J	410	SER	3.4
2	J	965	SER	3.4
2	K	1313	SER	3.4

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Mol	Chain	Res	Type	RSRZ
2	g	1600	SER	3.4
2	i	1153	SER	3.4
2	k	934	SER	3.4
1	B	328	LEU	3.4
1	D	1320	LEU	3.4
1	F	971	ASN	3.4
1	a	1608	ASN	3.4
1	b	988	ILE	3.4
1	d	681	THR	3.4
2	H	906	THR	3.4
2	L	125	ASN	3.4
2	g	446	ASN	3.4
2	g	1580	THR	3.4
2	h	286	THR	3.4
2	k	114	THR	3.4
2	k	131	ILE	3.4
2	I	1021	LEU	3.4
2	l	357	ASN	3.4
1	C	723	ALA	3.3
1	D	339	ALA	3.3
1	a	978	ALA	3.3
1	d	1583	HIS	3.3
1	f	1747	ALA	3.3
2	G	911	ALA	3.3
2	I	158	ALA	3.3
2	J	273	HIS	3.3
2	L	561	TRP	3.3
2	h	490	TRP	3.3
2	h	1302	HIS	3.3
2	j	1149	TRP	3.3
2	j	1568	HIS	3.3
2	l	609	ALA	3.3
3	P	29	ALA	3.3
1	A	199	GLU	3.3
1	A	515	PRO	3.3
1	A	1262	LYS	3.3
1	D	1337	GLU	3.3
1	e	1119	LYS	3.3
2	I	590	PRO	3.3
2	I	1183	GLU	3.3
2	K	867	GLU	3.3
2	L	1332	ARG	3.3

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Mol	Chain	Res	Type	RSRZ
2	L	1721	PHE	3.3
2	g	1825	GLU	3.3
2	h	1660	PRO	3.3
2	k	642	GLU	3.3
2	l	1192	LYS	3.3
1	C	249	TYR	3.3
1	c	1623	TYR	3.3
1	f	651	TYR	3.3
2	H	48	PHE	3.3
3	P	57	GLU	3.3
1	B	1246	CYS	3.3
1	E	1648	GLN	3.3
1	c	1781	VAL	3.3
2	H	1357	TYR	3.3
2	I	1023	ARG	3.3
2	L	1382	VAL	3.3
2	i	1332	ARG	3.3
2	k	348	GLN	3.3
1	E	403	ASP	3.3
1	E	1659	ASP	3.3
1	f	1772	ASP	3.3
2	L	467	ASP	3.3
2	g	503	ASP	3.3
1	A	239	GLY	3.3
1	C	1647	GLY	3.3
1	E	726	GLY	3.3
1	a	1768	GLY	3.3
1	b	1096	SER	3.3
1	d	362	LEU	3.3
1	e	874	GLY	3.3
1	A	1730	SER	3.3
1	B	1808	SER	3.3
1	f	855	SER	3.3
2	G	755	SER	3.3
2	H	109	LEU	3.3
2	H	1973	SER	3.3
2	J	12	SER	3.3
2	K	1262	ILE	3.3
2	h	1021	LEU	3.3
2	k	1963	GLY	3.3
2	l	465	GLY	3.3
1	B	1411	THR	3.3

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Mol	Chain	Res	Type	RSRZ
1	C	715	THR	3.3
1	a	625	THR	3.3
1	f	629	THR	3.3
2	G	6	THR	3.3
2	J	598	THR	3.3
2	h	56	THR	3.3
2	l	1193	THR	3.3
1	C	882	ASN	3.3
1	e	669	ASN	3.3
1	e	904	ASN	3.3
2	h	1633	ASN	3.3
1	A	1055	TRP	3.3
1	F	147	ALA	3.3
2	k	1138	TRP	3.3
2	l	938	TRP	3.3
1	F	1657	HIS	3.3
1	b	179	LYS	3.3
1	b	1239	HIS	3.3
2	G	1302	HIS	3.3
1	F	617	PRO	3.3
1	e	828	PRO	3.3
2	j	506	PRO	3.3
1	C	1107	GLU	3.3
1	C	1860	GLU	3.3
1	E	208	GLU	3.3
1	E	1062	TYR	3.3
1	F	602	GLU	3.3
1	a	8	GLU	3.3
1	a	364	GLU	3.3
1	f	1040	GLU	3.3
1	f	1337	GLU	3.3
1	f	1626	TYR	3.3
1	f	1721	ARG	3.3
2	l	463	PHE	3.3
2	G	1296	GLU	3.3
2	I	694	TYR	3.3
2	I	1253	GLU	3.3
2	I	1946	GLU	3.3
2	J	1645	GLU	3.3
2	L	1946	GLU	3.3
2	h	580	GLU	3.3
2	i	1852	TYR	3.3

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Mol	Chain	Res	Type	RSRZ
2	i	2029	VAL	3.3
2	j	488	VAL	3.3
2	j	1974	VAL	3.3
2	l	1953	VAL	3.3
1	A	527	GLN	3.3
1	A	1385	GLN	3.3
1	C	1271	GLN	3.3
2	k	1659	GLN	3.3
1	B	785	ASP	3.3
1	C	616	LEU	3.3
1	C	682	GLY	3.3
1	D	638	LEU	3.3
1	E	1085	ASP	3.3
1	F	699	GLY	3.3
1	F	1828	LEU	3.3
1	b	1074	GLY	3.3
1	d	943	LEU	3.3
1	e	232	LEU	3.3
2	G	929	LEU	3.3
2	G	1509	GLY	3.3
2	H	699	GLY	3.3
2	H	1460	LEU	3.3
2	I	1454	ASP	3.3
2	I	1797	LEU	3.3
2	h	699	GLY	3.3
2	l	188	ILE	3.3
2	l	386	LEU	3.3
3	M	81	LEU	3.3
3	N	84	ASP	3.3
3	n	148	ILE	3.3
1	D	1640	SER	3.3
1	F	1101	SER	3.3
1	b	1366	SER	3.3
1	d	270	SER	3.3
2	G	1566	SER	3.3
2	H	1817	SER	3.3
2	H	1850	SER	3.3
2	I	971	SER	3.3
2	K	1190	SER	3.3
2	g	141	SER	3.3
2	g	937	SER	3.3
2	l	5	SER	3.3

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Mol	Chain	Res	Type	RSRZ
1	d	872	THR	3.3
2	I	179	THR	3.3
2	g	1760	THR	3.3
2	h	1498	THR	3.3
2	i	1837	THR	3.3
2	j	2015	THR	3.3
2	k	2015	THR	3.3
2	l	259	THR	3.3
1	A	1835	LYS	3.3
1	B	1178	ALA	3.3
1	D	63	ASN	3.3
1	E	508	ASN	3.3
1	D	1591	TRP	3.3
1	e	858	TRP	3.3
2	H	1128	LYS	3.3
2	H	1143	ALA	3.3
2	I	1800	ALA	3.3
2	K	1152	ALA	3.3
2	L	1141	ALA	3.3
2	g	556	LYS	3.3
2	g	1476	ASN	3.3
2	j	357	ASN	3.3
2	j	1442	ALA	3.3
2	k	1912	ASN	3.3
2	l	701	LYS	3.3
2	l	1226	ASN	3.3
1	A	75	HIS	3.3
1	B	198	PRO	3.3
1	C	1841	ARG	3.3
1	D	653	ARG	3.3
1	E	157	HIS	3.3
1	E	1657	HIS	3.3
2	i	1165	PHE	3.3
1	D	1404	VAL	3.3
2	H	135	ARG	3.3
2	j	308	VAL	3.3
2	j	1555	ARG	3.3
2	l	1016	PRO	3.3
3	N	87	ARG	3.3
3	n	140	VAL	3.3
1	C	1622	GLU	3.3
1	D	1124	GLU	3.3

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Mol	Chain	Res	Type	RSRZ
1	a	1662	TYR	3.3
2	G	928	GLU	3.3
2	G	1724	GLU	3.3
2	G	1852	TYR	3.3
2	H	1615	MET	3.3
2	I	1122	GLU	3.3
2	J	2025	TYR	3.3
2	K	1266	TYR	3.3
2	g	1164	MET	3.3
2	j	311	TYR	3.3
1	A	908	LEU	3.3
1	E	908	LEU	3.3
1	e	884	ILE	3.3
1	f	228	LEU	3.3
2	G	1054	LEU	3.3
2	l	263	LEU	3.3
2	L	734	GLY	3.3
2	i	381	GLY	3.3
2	l	1703	GLY	3.3
1	A	1550	ASP	3.3
1	B	1203	ASP	3.3
1	e	1333	ASP	3.3
2	I	1022	ASP	3.3
2	K	113	ASP	3.3
2	j	503	ASP	3.3
2	j	1845	ASP	3.3
1	C	236	LYS	3.3
1	C	1032	SER	3.3
1	e	289	SER	3.3
2	G	1153	SER	3.3
2	H	1759	SER	3.3
2	g	1548	SER	3.3
2	i	1286	LYS	3.3
2	j	1252	SER	3.3
1	A	832	THR	3.3
1	B	701	ALA	3.3
1	C	975	ALA	3.3
1	C	1428	THR	3.3
1	E	875	THR	3.3
1	E	1371	THR	3.3
1	d	1777	THR	3.3
2	H	1395	THR	3.3

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Mol	Chain	Res	Type	RSRZ
2	H	1686	ALA	3.3
2	I	284	ALA	3.3
2	I	1465	THR	3.3
2	J	1662	THR	3.3
2	J	1667	THR	3.3
2	h	1740	THR	3.3
2	j	1060	ALA	3.3
1	B	1610	ASN	3.3
1	F	63	ASN	3.3
1	F	1783	ASN	3.3
1	a	465	ASN	3.3
2	I	1275	PHE	3.3
2	K	732	TRP	3.3
2	K	1035	TRP	3.3
2	L	1991	PHE	3.3
2	h	2000	ASN	3.3
2	i	1561	ASN	3.3
2	k	1550	ASN	3.3
1	A	1689	HIS	3.3
1	B	601	VAL	3.3
1	F	948	VAL	3.3
1	d	953	VAL	3.3
1	d	1718	PRO	3.3
1	e	144	PRO	3.3
2	H	251	VAL	3.3
2	I	8	PRO	3.3
2	I	1166	VAL	3.3
2	g	182	VAL	3.3
2	g	991	ARG	3.3
2	g	1250	PRO	3.3
2	j	1340	PRO	3.3
1	c	599	MET	3.3
1	d	1260	MET	3.3
1	b	1067	LEU	3.3
1	b	1477	ILE	3.3
1	b	1654	ILE	3.3
1	c	517	GLU	3.3
1	e	926	LEU	3.3
2	H	970	TYR	3.3
2	i	1323	MET	3.3
1	A	1484	GLU	3.3
1	B	776	GLU	3.3

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Mol	Chain	Res	Type	RSRZ
1	E	1861	GLU	3.3
1	f	207	GLU	3.3
2	H	1026	GLU	3.3
2	K	262	GLU	3.3
2	K	546	GLU	3.3
2	L	1320	LEU	3.3
2	h	1479	ILE	3.3
2	j	46	GLU	3.3
2	j	241	ILE	3.3
2	j	1503	ILE	3.3
2	l	108	LEU	3.3
2	l	992	GLU	3.3
1	C	1336	GLN	3.3
2	G	770	GLY	3.3
2	J	772	GLY	3.3
2	K	1839	GLN	3.3
2	L	163	GLN	3.3
2	i	47	GLY	3.3
1	C	606	ASP	3.3
1	D	1347	LYS	3.3
1	F	606	ASP	3.3
1	F	1612	ASP	3.3
1	a	603	ASP	3.3
1	d	766	ASP	3.3
1	f	836	ASP	3.3
2	H	745	ASP	3.3
2	H	1959	LYS	3.3
2	L	1439	LYS	3.3
2	g	977	ASP	3.3
1	B	710	PHE	3.3
1	E	1810	ALA	3.3
1	a	446	ALA	3.3
1	c	1369	ALA	3.3
1	c	1832	ALA	3.3
2	J	1141	ALA	3.3
2	J	1991	PHE	3.3
2	K	767	PHE	3.3
1	D	895	THR	3.3
1	F	1035	THR	3.3
1	a	1581	THR	3.3
1	c	501	THR	3.3
2	K	1817	SER	3.3

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Mol	Chain	Res	Type	RSRZ
2	K	1991	PHE	3.3
2	g	1059	ALA	3.3
2	g	1735	ALA	3.3
2	I	114	THR	3.3
2	L	114	THR	3.3
2	h	603	SER	3.3
2	i	1124	SER	3.3
2	l	1145	SER	3.3
1	e	1329	VAL	3.3
2	I	1048	VAL	3.3
2	h	832	TRP	3.3
2	l	1371	VAL	3.3
3	M	48	ARG	3.3
1	C	987	ASN	3.3
1	D	168	MET	3.3
1	D	1281	ASN	3.3
1	b	1210	PRO	3.3
1	f	271	ASN	3.3
2	G	1712	ASN	3.3
2	H	500	HIS	3.3
2	H	1169	PRO	3.3
2	K	599	PRO	3.3
2	g	343	ASN	3.3
2	i	226	PRO	3.3
2	i	1169	PRO	3.3
2	j	383	PRO	3.3
2	k	1186	ASN	3.3
2	k	1968	PRO	3.3
3	M	46	ASN	3.3
2	L	21	LEU	3.3
2	g	1818	LEU	3.3
2	l	60	LEU	3.3
1	A	869	ILE	3.3
1	B	140	ILE	3.3
1	a	88	ILE	3.3
1	c	680	ILE	3.3
1	c	815	ILE	3.3
1	f	883	ILE	3.3
2	L	1888	ILE	3.3
3	O	13	ILE	3.3
3	m	91	ILE	3.3
1	B	856	GLU	3.3

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Mol	Chain	Res	Type	RSRZ
1	B	1221	GLU	3.3
1	c	776	GLU	3.3
2	H	1739	GLU	3.3
2	K	1946	GLU	3.3
2	h	285	GLU	3.3
1	F	1577	GLN	3.3
1	F	1648	GLN	3.3
1	a	931	GLN	3.3
1	d	32	GLN	3.3
1	f	1069	GLY	3.3
2	G	735	GLY	3.3
2	G	1451	GLN	3.3
2	j	1675	GLY	3.3
2	l	1938	GLY	3.3
1	A	1761	LYS	3.3
1	C	1816	LYS	3.3
1	c	1090	LYS	3.3
2	G	568	LYS	3.3
2	H	2002	LYS	3.3
2	I	1998	LYS	3.3
2	h	355	LYS	3.3
1	B	283	ALA	3.3
1	B	286	PHE	3.3
1	F	391	ALA	3.3
1	b	215	ASP	3.3
1	b	606	ASP	3.3
1	e	1412	ASP	3.3
2	G	1032	ASP	3.3
2	H	496	PHE	3.3
2	J	503	ASP	3.3
2	L	886	ALA	3.3
2	h	521	ASP	3.3
2	i	396	ALA	3.3
2	i	1092	ASP	3.3
2	i	2019	PHE	3.3
2	l	1780	ALA	3.3
2	l	1861	ARG	3.3
3	M	84	ASP	3.3
3	o	19	ALA	3.3
1	E	176	VAL	3.3
2	i	371	VAL	3.3
2	j	1048	VAL	3.3

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Mol	Chain	Res	Type	RSRZ
1	D	1251	MET	3.3
1	D	1778	SER	3.3
1	E	165	SER	3.3
1	E	811	SER	3.3
1	A	770	PRO	3.3
1	B	917	CYS	3.3
1	a	1371	THR	3.3
1	c	875	THR	3.3
1	d	1191	THR	3.3
2	G	1609	THR	3.3
2	H	187	LEU	3.3
2	I	1511	SER	3.3
2	K	1107	SER	3.3
2	K	1437	THR	3.3
2	L	1909	THR	3.3
2	h	893	SER	3.3
2	j	1583	MET	3.3
2	k	761	PRO	3.3
2	l	370	LEU	3.3
3	r	93	LEU	3.3
1	B	1608	ASN	3.3
1	e	233	ILE	3.3
2	G	1514	ASN	3.3
2	H	316	ASN	3.3
2	H	440	ASN	3.3
2	H	1619	ASN	3.3
2	I	1581	HIS	3.3
2	J	1888	ILE	3.3
2	L	390	ASN	3.3
2	L	460	TYR	3.3
2	j	266	TYR	3.3
2	k	85	ASN	3.3
2	l	181	HIS	3.3
3	O	96	TYR	3.3
1	E	1817	GLU	3.3
1	a	886	GLU	3.3
1	d	1268	GLU	3.3
1	f	1729	GLY	3.3
2	H	772	GLY	3.3
2	I	1038	GLU	3.3
2	K	1853	GLY	3.3
2	L	1971	GLY	3.3

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Mol	Chain	Res	Type	RSRZ
2	g	59	GLU	3.3
2	i	580	GLU	3.3
2	i	1731	GLU	3.3
2	j	2049	GLU	3.3
2	l	1041	GLU	3.3
1	d	491	LYS	3.3
1	d	945	LYS	3.3
1	e	179	LYS	3.3
1	f	1857	LYS	3.3
2	I	63	LYS	3.3
2	I	1424	GLN	3.3
2	J	1061	GLN	3.3
2	i	568	LYS	3.3
2	l	1475	LYS	3.3
1	B	932	PHE	3.3
1	C	614	ALA	3.3
1	C	637	PHE	3.3
1	C	659	PHE	3.3
1	c	986	ALA	3.3
1	e	614	ALA	3.3
1	e	773	ALA	3.3
1	e	1223	PHE	3.3
1	f	361	PHE	3.3
2	H	253	ALA	3.3
2	I	293	PHE	3.3
2	I	1450	PHE	3.3
2	K	931	PHE	3.3
2	k	1165	PHE	3.3
2	l	50	ALA	3.3
3	o	29	ALA	3.3
1	D	1771	VAL	3.3
1	a	601	VAL	3.3
2	K	1312	VAL	3.3
1	B	504	ASP	3.3
1	C	1230	ASP	3.3
1	c	1334	ASP	3.3
1	e	1713	ASP	3.3
1	f	265	LEU	3.3
2	H	1162	ASP	3.3
2	H	1903	ASP	3.3
2	J	538	ASP	3.3
2	L	461	ASP	3.3

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Mol	Chain	Res	Type	RSRZ
2	L	605	ASP	3.3
2	i	52	ASP	3.3
2	i	71	LEU	3.3
2	l	1791	ASP	3.3
1	E	858	TRP	3.3
1	A	1022	THR	3.3
1	B	1032	SER	3.3
1	b	1075	TRP	3.3
1	c	1723	SER	3.3
1	f	233	ILE	3.3
2	G	577	ILE	3.3
2	H	315	PRO	3.3
1	C	90	TYR	3.3
1	C	242	THR	3.3
1	D	875	THR	3.3
1	D	1528	THR	3.3
1	d	1080	THR	3.3
1	d	1372	THR	3.3
2	H	971	SER	3.3
2	H	1342	THR	3.3
2	I	906	THR	3.3
2	i	24	THR	3.3
3	P	150	ILE	3.3
1	F	511	TYR	3.3
1	e	1852	HIS	3.2
1	f	1660	TYR	3.3
1	C	1305	CYS	3.2
1	E	738	ASN	3.2
1	a	1601	ASN	3.2
2	K	1514	ASN	3.2
2	g	1939	HIS	3.2
2	i	85	ASN	3.2
2	j	1055	HIS	3.2
1	B	517	GLU	3.2
1	D	188	GLY	3.2
1	E	1119	LYS	3.2
1	E	1322	GLY	3.2
1	F	272	GLU	3.2
1	F	728	LYS	3.2
1	c	1797	GLU	3.2
1	d	1082	GLU	3.2
1	e	1509	GLY	3.2

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Mol	Chain	Res	Type	RSRZ
1	f	1509	GLY	3.2
2	G	73	GLU	3.2
2	G	1971	GLY	3.2
2	H	739	GLY	3.2
2	I	708	GLY	3.2
2	I	1056	GLY	3.2
2	J	614	GLY	3.2
2	h	1768	LYS	3.2
2	i	78	GLY	3.2
2	j	441	LYS	3.2
2	k	220	GLU	3.2
2	l	388	GLY	3.2
3	O	88	GLU	3.2
2	K	1036	GLN	3.2
1	C	1261	PHE	3.2
1	C	1576	PHE	3.2
1	A	1609	ARG	3.2
1	C	70	ALA	3.2
1	D	85	ALA	3.2
1	D	953	VAL	3.2
1	b	264	VAL	3.2
1	b	1379	ALA	3.2
1	e	1704	ALA	3.2
2	H	157	VAL	3.2
2	h	991	ARG	3.2
2	I	966	LEU	3.2
2	I	1960	LEU	3.2
2	h	1015	VAL	3.2
2	h	1042	ALA	3.2
2	j	294	VAL	3.2
2	l	406	ARG	3.2
3	p	26	MET	3.2
1	D	1210	PRO	3.2
1	c	828	PRO	3.2
1	c	1130	ASP	3.2
1	e	1334	ASP	3.2
2	G	1679	ASP	3.2
2	I	1035	TRP	3.2
2	J	540	ASP	3.2
2	L	1001	ASP	3.2
2	L	1614	ASP	3.2
2	g	1689	ASP	3.2

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Mol	Chain	Res	Type	RSRZ
3	o	10	PRO	3.2
1	E	294	TYR	3.2
1	D	625	THR	3.2
1	a	1255	SER	3.2
1	b	1401	TYR	3.2
1	c	31	THR	3.2
1	d	180	SER	3.2
1	d	512	SER	3.2
1	c	293	LYS	3.2
1	d	500	LYS	3.2
1	e	854	HIS	3.2
1	e	910	THR	3.2
1	e	1435	SER	3.2
2	g	1481	SER	3.2
2	j	425	SER	3.2
2	j	1102	TYR	3.2
2	k	848	SER	3.2
3	N	82	TYR	3.2
1	F	426	LYS	3.2
1	f	875	THR	3.2
2	H	1758	HIS	3.2
2	K	102	HIS	3.2
2	h	492	THR	3.2
2	h	532	THR	3.2
2	k	1683	THR	3.2
3	Q	38	SER	3.2
2	G	1192	LYS	3.2
1	B	1569	GLY	3.2
1	C	726	GLY	3.2
1	D	927	ASN	3.2
1	E	969	ASN	3.2
1	e	1734	ASN	3.2
1	f	929	GLY	3.2
2	G	505	GLY	3.2
2	G	1243	ASN	3.2
2	H	718	ASN	3.2
2	h	1203	GLY	3.2
2	k	1726	GLY	3.2
2	l	373	GLY	3.2
2	l	684	GLY	3.2
2	j	310	CYS	3.2
3	o	94	ASN	3.2

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Mol	Chain	Res	Type	RSRZ
1	B	528	GLU	3.2
1	C	66	GLU	3.2
1	f	856	GLU	3.2
1	f	935	GLU	3.2
2	G	1887	GLU	3.2
2	I	151	GLU	3.2
2	I	580	GLU	3.2
2	L	928	GLU	3.2
2	k	1094	GLU	3.2
1	D	361	PHE	3.2
1	E	983	GLN	3.2
1	b	224	GLN	3.2
1	e	850	PHE	3.2
2	G	1896	GLN	3.2
2	I	1036	GLN	3.2
2	I	1165	PHE	3.2
2	L	1028	PHE	3.2
2	j	657	PHE	3.2
1	a	1084	VAL	3.2
1	e	1876	LEU	3.2
2	G	208	VAL	3.2
2	G	858	ALA	3.2
2	G	1735	ALA	3.2
2	K	41	LEU	3.2
2	g	50	ALA	3.2
2	i	530	ALA	3.2
2	k	83	VAL	3.2
2	l	512	LEU	3.2
1	c	1693	ILE	3.2
1	e	140	ILE	3.2
1	f	243	ILE	3.2
2	G	1922	ILE	3.2
2	L	283	ILE	3.2
1	a	1210	PRO	3.2
2	I	675	PRO	3.2
1	D	1088	ASP	3.2
1	F	702	LYS	3.2
1	F	925	ASP	3.2
1	b	624	LYS	3.2
2	G	1543	ASP	3.2
2	H	1791	ASP	3.2
2	I	1599	ASP	3.2

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Mol	Chain	Res	Type	RSRZ
2	J	1425	LYS	3.2
2	K	960	LYS	3.2
2	L	970	TYR	3.2
2	l	39	LYS	3.2
2	l	1324	ASP	3.2
3	M	134	ASP	3.2
1	D	1201	SER	3.2
1	E	1294	SER	3.2
1	F	1247	SER	3.2
1	a	1499	SER	3.2
1	a	1778	SER	3.2
1	A	682	GLY	3.2
1	C	1371	THR	3.2
1	d	1241	SER	3.2
1	a	1244	GLY	3.2
1	b	1192	GLY	3.2
1	d	1574	GLY	3.2
1	e	961	THR	3.2
1	e	1229	THR	3.2
1	e	1544	THR	3.2
1	f	1063	HIS	3.2
2	K	356	THR	3.2
2	L	1072	SER	3.2
2	L	1760	THR	3.2
2	h	500	HIS	3.2
2	j	26	SER	3.2
2	k	436	SER	3.2
3	p	21	SER	3.2
2	H	161	GLY	3.2
2	k	802	GLY	3.2
3	r	5	GLY	3.2
1	D	1541	PHE	3.2
1	b	637	PHE	3.2
1	b	1008	GLU	3.2
1	c	771	PHE	3.2
1	e	202	GLU	3.2
1	f	1782	GLU	3.2
2	H	376	ASN	3.2
2	H	477	GLU	3.2
2	I	1890	ASN	3.2
2	K	91	PHE	3.2
2	g	1355	ASN	3.2

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Mol	Chain	Res	Type	RSRZ
2	h	477	GLU	3.2
2	i	214	ASN	3.2
2	i	1062	PHE	3.2
2	j	1399	ASN	3.2
2	k	744	GLU	3.2
3	Q	137	ASN	3.2
3	n	15	GLU	3.2
1	A	976	ALA	3.2
1	D	893	VAL	3.2
1	D	1764	VAL	3.2
1	F	931	GLN	3.2
1	a	285	ALA	3.2
1	b	283	ALA	3.2
1	b	1271	GLN	3.2
1	b	1801	ALA	3.2
1	b	1881	VAL	3.2
1	c	21	GLN	3.2
1	c	864	VAL	3.2
1	e	1377	MET	3.2
1	e	1848	ALA	3.2
2	H	1510	ALA	3.2
2	I	348	GLN	3.2
2	I	1065	VAL	3.2
2	K	1881	ARG	3.2
2	L	433	VAL	3.2
2	L	1181	VAL	3.2
2	L	1308	CYS	3.2
2	h	1314	ARG	3.2
2	i	433	VAL	3.2
2	i	1255	MET	3.2
2	i	1965	ALA	3.2
2	j	2007	ALA	3.2
3	O	100	VAL	3.2
2	L	597	MET	3.2
2	g	1359	MET	3.2
2	i	29	ILE	3.2
2	j	455	ILE	3.2
2	k	1741	ILE	3.2
2	l	1389	ILE	3.2
1	F	1210	PRO	3.2
1	a	49	PRO	3.2
2	L	207	LYS	3.2

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Mol	Chain	Res	Type	RSRZ
2	L	1176	PRO	3.2
2	j	239	PRO	3.2
2	j	643	LYS	3.2
2	j	976	PRO	3.2
2	l	1929	LYS	3.2
1	D	725	TYR	3.2
1	e	839	TYR	3.2
2	i	1416	TYR	3.2
2	k	1733	TYR	3.2
1	D	1011	GLY	3.2
1	F	1875	ASP	3.2
1	b	239	GLY	3.2
1	b	1102	GLY	3.2
1	c	403	ASP	3.2
2	K	816	ASP	3.2
2	L	1032	ASP	3.2
2	i	1903	ASP	3.2
1	b	1814	SER	3.2
1	c	24	SER	3.2
1	d	892	GLY	3.2
1	e	1875	ASP	3.2
1	A	1792	THR	3.2
1	D	1434	SER	3.2
1	F	1432	HIS	3.2
1	a	1293	SER	3.2
1	c	634	THR	3.2
2	G	1039	HIS	3.2
2	H	1777	THR	3.2
2	I	963	THR	3.2
2	J	6	THR	3.2
2	K	462	THR	3.2
2	K	466	SER	3.2
2	L	342	SER	3.2
2	g	1761	SER	3.2
2	j	1582	GLY	3.2
2	h	906	THR	3.2
2	k	1302	HIS	3.2
2	j	339	LEU	3.2
2	k	293	PHE	3.2
2	k	1951	SER	3.2
1	B	143	GLU	3.2
1	C	1277	GLU	3.2

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Mol	Chain	Res	Type	RSRZ
1	C	1609	ARG	3.2
1	C	1714	VAL	3.2
1	D	358	GLU	3.2
1	D	390	VAL	3.2
1	E	207	GLU	3.2
1	a	1378	GLU	3.2
1	c	1518	ARG	3.2
1	d	457	ASN	3.2
1	e	927	ASN	3.2
1	f	280	GLU	3.2
1	f	1549	ASN	3.2
2	H	978	GLU	3.2
2	H	1341	ASN	3.2
2	H	1461	ASN	3.2
2	I	736	ARG	3.2
2	I	1905	ARG	3.2
2	J	151	GLU	3.2
2	J	1550	ASN	3.2
2	K	83	VAL	3.2
2	K	1204	GLU	3.2
2	g	981	GLU	3.2
2	g	1644	ASN	3.2
2	g	1905	ARG	3.2
2	h	1044	VAL	3.2
2	k	117	VAL	3.2
2	l	112	ASN	3.2
2	l	847	ARG	3.2
2	l	1168	ASN	3.2
2	l	1507	GLU	3.2
3	M	135	MET	3.2
3	O	89	ASN	3.2
1	E	1497	ALA	3.2
1	b	1504	ALA	3.2
1	e	986	ALA	3.2
1	e	1000	GLN	3.2
2	G	1099	ALA	3.2
2	j	905	ALA	3.2
2	k	986	ALA	3.2
1	b	480	CYS	3.2
2	H	1925	ILE	3.2
2	h	1741	ILE	3.2
1	B	808	LYS	3.2

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Mol	Chain	Res	Type	RSRZ
1	D	491	LYS	3.2
1	F	919	LYS	3.2
1	c	966	LYS	3.2
1	e	223	LYS	3.2
1	b	1517	PRO	3.2
2	G	74	PRO	3.2
2	G	1322	PRO	3.2
2	H	1057	PRO	3.2
2	K	1987	PRO	3.2
2	L	1538	PRO	3.2
2	j	1016	PRO	3.2
2	l	383	PRO	3.2
1	C	1660	TYR	3.2
2	H	1553	TYR	3.2
2	K	1596	TRP	3.2
2	h	1873	TYR	3.2
2	j	919	TYR	3.2
1	D	1250	GLY	3.2
1	a	1248	GLY	3.2
1	a	1582	GLY	3.2
1	f	1074	GLY	3.2
2	K	161	GLY	3.2
2	g	542	GLY	3.2
2	j	735	GLY	3.2
1	A	157	HIS	3.2
1	F	1335	PHE	3.2
1	F	1733	PHE	3.2
1	b	830	HIS	3.2
2	G	678	PHE	3.2
2	G	1866	PHE	3.2
2	I	949	ASP	3.2
2	K	534	ASP	3.2
2	L	829	ASP	3.2
2	h	1960	LEU	3.2
2	k	583	PHE	3.2
1	F	709	ARG	3.2
1	F	1800	SER	3.2
1	b	613	VAL	3.2
1	b	1191	THR	3.2
1	b	1807	SER	3.2
1	c	404	SER	3.2
1	e	180	SER	3.2

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Mol	Chain	Res	Type	RSRZ
1	f	218	SER	3.2
1	f	1640	SER	3.2
1	f	1749	THR	3.2
1	f	1865	THR	3.2
2	H	345	THR	3.2
2	I	499	THR	3.2
2	J	1867	SER	3.2
2	K	1173	VAL	3.2
2	L	840	THR	3.2
2	g	83	VAL	3.2
2	g	1407	THR	3.2
2	g	1742	VAL	3.2
2	h	811	VAL	3.2
2	h	1760	THR	3.2
2	j	302	VAL	3.2
2	k	827	VAL	3.2
2	k	1005	SER	3.2
2	k	1546	THR	3.2
2	l	378	VAL	3.2
2	l	1893	VAL	3.2
1	A	664	GLU	3.2
1	F	1378	GLU	3.2
1	A	669	ASN	3.2
1	C	57	ALA	3.2
1	C	285	ALA	3.2
1	C	635	ILE	3.2
1	D	268	ALA	3.2
1	D	773	ALA	3.2
1	a	409	ALA	3.2
1	e	946	GLU	3.2
1	e	1833	ALA	3.2
1	f	281	ALA	3.2
1	f	664	GLU	3.2
1	f	1878	ALA	3.2
2	G	955	GLU	3.2
2	I	630	MET	3.2
1	b	184	ASN	3.2
1	c	1207	GLN	3.2
2	H	447	ASN	3.2
2	H	1523	ASN	3.2
2	J	1780	ALA	3.2
2	L	329	GLU	3.2

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Mol	Chain	Res	Type	RSRZ
2	K	854	ILE	3.2
2	K	1478	ASN	3.2
2	L	1863	ALA	3.2
2	g	833	GLU	3.2
2	J	1912	ASN	3.2
2	h	1598	ALA	3.2
2	i	722	ALA	3.2
2	L	2020	GLN	3.2
2	j	1476	ASN	3.2
2	k	1246	ASN	3.2
3	M	139	ASN	3.2
3	O	53	ILE	3.2
3	n	137	ASN	3.2
2	G	298	LYS	3.2
2	H	1013	LYS	3.2
2	K	254	LYS	3.2
2	l	364	LYS	3.2
2	J	675	PRO	3.2
3	p	145	PRO	3.2
1	B	20	TYR	3.2
1	E	722	TYR	3.2
1	a	90	TYR	3.2
2	G	938	TRP	3.2
2	L	1102	TYR	3.2
2	k	180	TYR	3.2
2	l	2010	TYR	3.2
1	C	150	LEU	3.2
1	D	239	GLY	3.2
1	e	659	PHE	3.2
2	J	1104	GLY	3.2
2	g	1165	PHE	3.2
2	h	219	LEU	3.2
2	k	80	PHE	3.2
2	k	562	LEU	3.2
2	k	1305	GLY	3.2
2	l	33	LEU	3.2
3	N	113	GLY	3.2
3	n	6	GLY	3.2
1	C	11	HIS	3.2
1	C	632	ARG	3.2
1	F	253	ARG	3.2
1	B	1230	ASP	3.2

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Mol	Chain	Res	Type	RSRZ
1	D	75	HIS	3.2
1	d	954	ARG	3.2
1	E	282	ASP	3.2
1	E	785	ASP	3.2
1	A	1434	SER	3.2
1	B	395	SER	3.2
1	E	1808	SER	3.2
1	F	523	SER	3.2
1	a	1	MET	3.2
1	e	1130	ASP	3.2
2	G	1230	ASP	3.2
2	I	540	ASP	3.2
2	I	1377	VAL	3.2
2	I	1903	ASP	3.2
2	J	1344	ASP	3.2
2	i	1453	ASP	3.2
2	i	1458	ASP	3.2
2	k	1047	ASP	3.2
2	l	430	HIS	3.2
3	m	140	VAL	3.2
1	a	1815	ALA	3.2
1	c	270	SER	3.2
1	c	1241	SER	3.2
1	d	609	SER	3.2
1	b	1120	GLU	3.2
1	e	46	GLU	3.2
1	e	87	GLU	3.2
2	H	127	ILE	3.2
2	I	631	THR	3.2
2	I	1591	ALA	3.2
2	I	1924	ILE	3.2
2	L	1759	SER	3.2
2	K	2046	GLU	3.2
2	h	172	GLU	3.2
2	i	1264	GLU	3.2
2	j	493	THR	3.2
2	j	1420	GLU	3.2
2	j	1422	THR	3.2
2	k	587	ILE	3.2
2	l	1549	THR	3.2
3	M	33	THR	3.2
1	A	881	ASN	3.2

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Mol	Chain	Res	Type	RSRZ
1	B	1506	GLN	3.2
1	c	607	LYS	3.2
2	H	1529	GLN	3.2
2	I	134	LYS	3.2
2	J	993	GLN	3.2
2	J	1384	GLN	3.2
2	K	1064	LYS	3.2
2	i	34	GLN	3.2
2	k	207	LYS	3.2
2	k	1286	LYS	3.2
2	l	1986	LYS	3.2
1	D	506	ASN	3.2
1	b	1345	ASN	3.2
1	d	1112	ASN	3.2
2	g	224	ASN	3.2
1	B	1705	PRO	3.2
1	b	921	PRO	3.2
1	A	190	LEU	3.2
1	F	522	LEU	3.2
1	f	1823	LEU	3.2
2	H	126	TYR	3.2
1	B	700	GLY	3.2
1	C	480	CYS	3.2
1	D	726	GLY	3.2
1	D	1024	PHE	3.2
1	a	239	GLY	3.2
1	d	507	GLY	3.2
2	H	625	PHE	3.2
2	i	1931	LEU	3.2
2	l	177	TYR	3.2
3	R	96	TYR	3.2
3	m	109	TYR	3.2
3	q	82	TYR	3.2
2	I	185	GLY	3.2
2	J	505	GLY	3.2
2	K	1509	GLY	3.2
2	L	802	GLY	3.2
2	g	1052	CYS	3.2
2	h	796	PHE	3.2
2	h	1703	GLY	3.2
2	i	708	GLY	3.2
2	i	899	PHE	3.2

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Mol	Chain	Res	Type	RSRZ
2	j	548	PHE	3.2
2	k	1308	CYS	3.2
2	l	1964	PHE	3.2
1	B	1489	ARG	3.2
1	E	1609	ARG	3.2
1	a	1489	ARG	3.2
2	J	1567	ARG	3.2
2	K	22	VAL	3.2
2	K	589	ARG	3.2
2	L	1312	VAL	3.2
2	h	847	ARG	3.2
2	l	1297	VAL	3.2
3	m	108	VAL	3.2
3	p	9	ARG	3.2
1	c	168	MET	3.2
1	C	288	ASP	3.2
1	D	667	ALA	3.2
1	D	976	ALA	3.2
1	F	764	ASP	3.2
1	a	282	ASP	3.2
1	a	823	ILE	3.2
1	a	1511	ASP	3.2
1	c	347	ALA	3.2
1	d	823	ILE	3.2
1	d	1400	ILE	3.2
1	d	1612	ASP	3.2
1	e	189	ASP	3.2
1	e	888	ILE	3.2
2	J	248	HIS	3.2
2	G	1863	ALA	3.2
2	I	437	ASP	3.2
2	K	437	ASP	3.2
2	g	1418	ASP	3.2
2	i	51	ASP	3.2
2	i	915	ALA	3.2
2	i	1294	ALA	3.2
2	j	757	ILE	3.2
2	k	521	ASP	3.2
2	k	979	ALA	3.2
2	l	229	ASP	3.2
2	l	368	ILE	3.2
2	l	782	THR	3.1

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Mol	Chain	Res	Type	RSRZ
2	l	879	LYS	3.1
2	l	1954	LYS	3.1
3	P	78	ASP	3.2
3	R	25	ASP	3.2
1	A	513	GLU	3.1
1	B	169	SER	3.1
1	F	143	GLU	3.1
1	F	706	THR	3.1
1	F	1751	GLU	3.1
1	a	1080	THR	3.1
1	b	46	GLU	3.1
1	b	180	SER	3.1
1	c	1885	THR	3.1
1	d	1544	THR	3.1
1	e	230	SER	3.1
1	e	1048	GLU	3.1
1	e	1241	SER	3.1
1	e	1342	GLU	3.1
2	H	1937	GLU	3.1
2	I	773	SER	3.1
2	J	1578	THR	3.1
2	K	1911	THR	3.1
2	L	1662	THR	3.1
2	g	179	THR	3.1
2	g	1642	THR	3.1
2	h	1551	GLU	3.1
2	i	1420	GLU	3.1
2	j	70	SER	3.1
2	k	367	GLU	3.1
1	D	918	GLN	3.1
1	b	898	GLN	3.1
1	c	1380	GLN	3.1
2	H	155	GLN	3.1
2	L	1036	GLN	3.1
1	B	927	ASN	3.1
1	E	506	ASN	3.1
1	b	669	ASN	3.1
1	b	1734	ASN	3.1
1	d	508	ASN	3.1
1	e	1510	ASN	3.1
2	H	1712	ASN	3.1
2	L	1476	ASN	3.1

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Mol	Chain	Res	Type	RSRZ
2	i	1168	ASN	3.1
2	j	1259	ASN	3.1
2	l	1461	ASN	3.1
2	l	1514	ASN	3.1
1	A	1501	LEU	3.1
1	B	221	LEU	3.1
1	C	53	LEU	3.1
1	A	213	PHE	3.1
1	D	722	TYR	3.1
1	E	1694	TYR	3.1
1	c	149	LEU	3.1
1	d	277	LEU	3.1
1	d	1579	PHE	3.1
1	e	1626	TYR	3.1
2	G	771	PHE	3.1
2	G	791	TYR	3.1
2	H	565	TYR	3.1
2	I	370	LEU	3.1
2	L	1707	LEU	3.1
2	g	1560	LEU	3.1
2	j	370	LEU	3.1
2	I	1704	PHE	3.1
1	B	498	GLY	3.1
1	D	1185	VAL	3.1
1	a	27	ARG	3.1
1	d	760	GLY	3.1
1	d	1883	VAL	3.1
1	e	834	GLY	3.1
1	e	1074	GLY	3.1
1	e	1238	VAL	3.1
1	f	153	VAL	3.1
1	f	1248	GLY	3.1
2	H	378	VAL	3.1
2	I	847	ARG	3.1
2	J	77	VAL	3.1
2	i	444	VAL	3.1
2	k	2021	VAL	3.1
2	l	685	VAL	3.1
3	q	87	ARG	3.1
1	C	290	MET	3.1
1	E	823	ILE	3.1
1	e	1327	CYS	3.1

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Mol	Chain	Res	Type	RSRZ
2	I	132	MET	3.1
2	H	1251	ILE	3.1
2	K	1593	ILE	3.1
2	h	600	CYS	3.1
2	k	132	MET	3.1
2	j	1924	ILE	3.1
2	k	1943	ILE	3.1
1	A	973	ALA	3.1
1	F	1689	HIS	3.1
1	a	1657	HIS	3.1
1	b	11	HIS	3.1
1	c	495	LYS	3.1
1	c	639	HIS	3.1
1	c	1068	LYS	3.1
1	f	11	HIS	3.1
1	f	1846	ALA	3.1
2	H	299	ALA	3.1
2	H	1303	ALA	3.1
2	I	270	ALA	3.1
2	I	1621	ALA	3.1
2	J	25	ALA	3.1
2	i	1031	LYS	3.1
2	j	1952	ALA	3.1
2	k	1753	LYS	3.1
2	l	812	LYS	3.1
2	l	1087	HIS	3.1
1	A	272	GLU	3.1
1	A	501	THR	3.1
1	A	1378	GLU	3.1
1	A	1784	ASP	3.1
1	B	1712	GLU	3.1
1	C	282	ASP	3.1
1	D	405	SER	3.1
1	D	1642	THR	3.1
1	F	1026	GLU	3.1
1	F	1717	ASP	3.1
1	a	1534	ASP	3.1
1	b	1861	GLU	3.1
1	c	1567	SER	3.1
1	e	912	GLU	3.1
2	i	367	GLU	3.1
2	i	1428	GLU	3.1

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Mol	Chain	Res	Type	RSRZ
2	i	2028	ASP	3.1
2	j	539	ASP	3.1
2	j	1346	ASP	3.1
2	G	1438	SER	3.1
2	J	1005	SER	3.1
2	L	1823	SER	3.1
2	j	1551	GLU	3.1
2	l	1951	SER	3.1
3	r	3	SER	3.1
1	F	374	GLN	3.1
2	G	1928	GLN	3.1
2	J	1424	GLN	3.1
2	j	660	GLN	3.1
2	j	834	GLN	3.1
1	d	163	LEU	3.1
1	f	229	LEU	3.1
2	l	1348	LEU	3.1
1	D	1594	ASN	3.1
1	D	1790	ASN	3.1
1	F	1066	ASN	3.1
1	A	1232	TYR	3.1
1	B	496	PRO	3.1
1	B	1748	ASN	3.1
1	D	860	ASN	3.1
1	e	438	ASN	3.1
2	G	519	ASN	3.1
2	I	796	PHE	3.1
2	J	1666	PHE	3.1
2	g	190	PHE	3.1
2	g	1957	PRO	3.1
2	h	743	PHE	3.1
2	k	142	ASN	3.1
1	b	1626	TYR	3.1
1	f	1174	TYR	3.1
2	h	1102	TYR	3.1
2	i	1891	TYR	3.1
1	B	1721	ARG	3.1
1	D	276	ARG	3.1
1	a	1398	VAL	3.1
1	f	1773	VAL	3.1
2	H	61	VAL	3.1
2	i	1400	GLY	3.1

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Mol	Chain	Res	Type	RSRZ
2	k	957	ARG	3.1
2	k	1331	TRP	3.1
2	l	2001	VAL	3.1
3	r	108	VAL	3.1
1	F	1251	MET	3.1
2	G	1615	MET	3.1
1	C	1459	ILE	3.1
1	e	293	LYS	3.1
1	e	1493	ILE	3.1
2	H	101	ILE	3.1
2	H	1768	LYS	3.1
2	K	457	ILE	3.1
2	j	1993	LYS	3.1
3	r	7	ILE	3.1
1	A	1304	ALA	3.1
1	C	530	ALA	3.1
1	E	880	ALA	3.1
1	a	23	ALA	3.1
1	a	1100	HIS	3.1
1	d	246	ALA	3.1
1	d	454	HIS	3.1
1	f	530	ALA	3.1
2	G	430	HIS	3.1
2	G	1087	HIS	3.1
2	K	1655	ALA	3.1
2	h	620	ALA	3.1
1	B	358	GLU	3.1
1	a	1156	GLU	3.1
1	A	743	GLN	3.1
1	B	404	SER	3.1
1	C	1534	ASP	3.1
1	b	994	GLU	3.1
1	b	523	SER	3.1
1	b	936	LEU	3.1
1	f	69	ASP	3.1
1	D	292	GLN	3.1
1	D	1022	THR	3.1
1	E	392	THR	3.1
1	F	242	THR	3.1
1	f	151	LEU	3.1
2	I	1559	ASP	3.1
2	K	1739	GLU	3.1

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Mol	Chain	Res	Type	RSRZ
2	g	1289	ASP	3.1
2	L	532	THR	3.1
2	h	555	LEU	3.1
2	i	1296	GLU	3.1
2	j	1094	GLU	3.1
2	k	949	ASP	3.1
1	a	1739	GLN	3.1
1	f	983	GLN	3.1
2	l	1803	THR	3.1
2	l	1979	THR	3.1
3	n	107	THR	3.1
1	A	1401	TYR	3.1
1	F	1421	PRO	3.1
1	b	213	PHE	3.1
1	b	499	PRO	3.1
1	c	496	PRO	3.1
1	c	1223	PHE	3.1
2	G	548	PHE	3.1
1	A	1766	ASN	3.1
1	C	1244	GLY	3.1
1	D	882	ASN	3.1
1	E	1185	VAL	3.1
1	F	1639	VAL	3.1
1	c	516	ARG	3.1
1	c	1174	TYR	3.1
2	H	1340	PRO	3.1
2	i	487	PRO	3.1
2	i	1666	PHE	3.1
2	j	1176	PRO	3.1
2	j	1916	PHE	3.1
2	k	496	PHE	3.1
2	H	1677	GLY	3.1
2	I	896	ASN	3.1
2	I	1241	ASN	3.1
2	I	1561	ASN	3.1
2	I	1984	GLY	3.1
2	J	896	ASN	3.1
2	K	147	ARG	3.1
2	K	330	ASN	3.1
2	L	469	ARG	3.1
2	L	1090	TYR	3.1
2	g	1478	ASN	3.1

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Mol	Chain	Res	Type	RSRZ
2	g	1892	ASN	3.1
2	j	754	TYR	3.1
2	k	702	TYR	3.1
1	a	928	GLY	3.1
1	c	1483	ASN	3.1
1	B	1189	ILE	3.1
1	a	871	TRP	3.1
1	b	237	MET	3.1
2	L	1583	MET	3.1
2	g	597	MET	3.1
2	j	732	TRP	3.1
2	k	1255	MET	3.1
2	l	630	MET	3.1
1	C	1092	LYS	3.1
1	b	481	LYS	3.1
1	c	1299	LYS	3.1
2	G	701	LYS	3.1
1	B	281	ALA	3.1
1	B	666	ALA	3.1
1	E	70	ALA	3.1
1	E	1408	ALA	3.1
1	E	1720	ALA	3.1
1	f	1704	ALA	3.1
2	H	1059	ALA	3.1
2	J	1508	ALA	3.1
2	g	1442	ALA	3.1
2	l	1856	ALA	3.1
1	D	1146	HIS	3.1
1	B	1501	LEU	3.1
1	C	163	LEU	3.1
1	B	1799	CYS	3.1
1	D	381	GLU	3.1
1	a	917	CYS	3.1
1	b	1475	GLU	3.1
1	d	633	GLU	3.1
2	g	1829	GLU	3.1
2	i	53	GLU	3.1
2	j	833	GLU	3.1
1	C	620	SER	3.1
1	C	1700	SER	3.1
1	D	1872	SER	3.1
1	E	1261	PHE	3.1

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Mol	Chain	Res	Type	RSRZ
1	F	459	ASP	3.1
1	a	879	SER	3.1
1	b	1550	ASP	3.1
1	b	1598	GLN	3.1
1	c	1800	SER	3.1
1	d	1255	SER	3.1
1	e	174	ASP	3.1
1	f	1085	ASP	3.1
2	H	425	SER	3.1
2	H	481	ASP	3.1
2	J	796	PHE	3.1
2	K	742	SER	3.1
2	L	1571	SER	3.1
2	g	365	GLN	3.1
2	i	2033	THR	3.1
2	j	202	THR	3.1
2	j	1167	SER	3.1
2	k	427	PHE	3.1
2	k	474	SER	3.1
2	k	1137	SER	3.1
2	k	1380	SER	3.1
3	R	101	ASP	3.1
1	C	92	PRO	3.1
1	b	1070	ARG	3.1
1	b	1232	TYR	3.1
1	b	1478	PRO	3.1
1	c	377	TYR	3.1
1	c	1764	VAL	3.1
1	d	488	PRO	3.1
1	d	1528	THR	3.1
2	H	1196	THR	3.1
1	D	442	ARG	3.1
1	f	300	VAL	3.1
1	f	980	VAL	3.1
1	f	1718	PRO	3.1
2	G	19	VAL	3.1
2	G	1090	TYR	3.1
2	K	953	ARG	3.1
2	L	8	PRO	3.1
2	j	314	TYR	3.1
2	k	458	PRO	3.1
2	k	1898	TYR	3.1

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Mol	Chain	Res	Type	RSRZ
1	F	1081	LYS	3.1
1	F	1227	GLY	3.1
1	a	1509	GLY	3.1
1	b	88	ILE	3.1
1	c	1092	LYS	3.1
1	d	1281	ASN	3.1
1	f	676	LYS	3.1
2	G	85	ASN	3.1
2	G	573	LYS	3.1
2	G	1639	LYS	3.1
2	I	368	ILE	3.1
2	K	38	ASN	3.1
2	K	556	LYS	3.1
2	L	276	GLY	3.1
2	L	520	LYS	3.1
2	L	1425	LYS	3.1
2	L	1929	LYS	3.1
2	g	99	ASN	3.1
2	g	819	LYS	3.1
2	h	298	LYS	3.1
3	M	5	GLY	3.1
2	i	1596	TRP	3.1
2	j	832	TRP	3.1
2	l	218	TRP	3.1
1	B	727	ALA	3.1
1	d	147	ALA	3.1
2	I	1773	ALA	3.1
2	J	1442	ALA	3.1
2	L	129	ALA	3.1
1	A	328	LEU	3.1
1	E	302	LEU	3.1
2	H	2032	LEU	3.1
2	j	1680	LEU	3.1
1	F	965	HIS	3.1
1	f	830	HIS	3.1
1	f	1129	GLU	3.1
2	H	801	PHE	3.1
2	g	1937	GLU	3.1
2	h	1721	PHE	3.1
2	l	548	PHE	3.1
3	o	106	GLU	3.1
1	A	169	SER	3.1

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Mol	Chain	Res	Type	RSRZ
1	B	234	SER	3.1
1	B	764	ASP	3.1
1	B	931	GLN	3.1
1	D	1841	ARG	3.1
1	A	500	LYS	3.1
1	B	1284	SER	3.1
1	C	516	ARG	3.1
1	C	822	VAL	3.1
1	C	634	THR	3.1
1	F	657	SER	3.1
1	F	1609	ARG	3.1
1	a	770	PRO	3.1
1	A	688	ILE	3.1
1	A	1654	ILE	3.1
1	C	1856	LYS	3.1
1	F	1692	MET	3.1
1	a	1440	SER	3.1
1	b	1130	ASP	3.1
1	b	1479	SER	3.1
1	b	1567	SER	3.1
1	b	1648	GLN	3.1
1	b	1827	SER	3.1
1	c	142	ASP	3.1
1	d	301	ASP	3.1
1	d	653	ARG	3.1
1	f	974	ASP	3.1
1	f	1534	ASP	3.1
2	G	485	ARG	3.1
2	G	759	ARG	3.1
2	G	775	ASP	3.1
2	G	1088	GLN	3.1
1	a	1514	LYS	3.1
1	e	249	TYR	3.1
2	H	476	SER	3.1
2	H	1586	SER	3.1
2	H	1975	PRO	3.1
2	I	74	PRO	3.1
2	I	227	ASP	3.1
2	I	442	ASP	3.1
2	I	970	TYR	3.1
2	J	74	PRO	3.1
2	K	1047	ASP	3.1

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Mol	Chain	Res	Type	RSRZ
2	L	345	THR	3.1
2	L	1153	SER	3.1
2	L	1515	PRO	3.1
2	g	1005	SER	3.1
2	g	1324	ASP	3.1
2	g	1688	GLN	3.1
2	g	1903	ASP	3.1
2	i	113	ASP	3.1
2	l	482	CYS	3.1
2	i	460	TYR	3.1
2	j	380	SER	3.1
2	j	552	SER	3.1
1	b	1509	GLY	3.1
1	d	1113	GLY	3.1
1	d	1383	GLY	3.1
1	f	870	GLY	3.1
2	k	1701	THR	3.1
2	l	317	THR	3.1
2	l	1245	ASP	3.1
3	p	10	PRO	3.1
2	g	623	GLY	3.1
2	g	2047	LYS	3.1
2	l	1967	ILE	3.1
3	R	5	GLY	3.1
3	p	18	THR	3.1
2	h	159	ILE	3.1
1	d	758	ASN	3.1
1	d	871	TRP	3.1
1	d	969	ASN	3.1
1	e	1345	ASN	3.1
1	e	1737	ASN	3.1
1	f	1843	ASN	3.1
2	G	1241	ASN	3.1
2	i	1383	ASN	3.1
1	B	1363	ALA	3.1
1	E	1348	ALA	3.1
1	a	1855	ALA	3.1
1	b	232	LEU	3.1
1	b	1405	ALA	3.1
2	J	914	LEU	3.1
2	K	915	ALA	3.1
2	L	1841	ALA	3.1

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Mol	Chain	Res	Type	RSRZ
2	h	512	LEU	3.1
2	i	1125	ALA	3.1
2	i	1321	ALA	3.1
2	j	817	ALA	3.1
2	l	997	ALA	3.1
2	H	1002	HIS	3.1
2	H	1062	PHE	3.1
2	H	1666	PHE	3.1
2	J	931	PHE	3.1
2	K	430	HIS	3.1
1	A	1431	GLU	3.1
1	A	1436	VAL	3.1
1	B	66	GLU	3.1
1	B	348	ARG	3.1
1	B	1883	VAL	3.1
1	C	1070	ARG	3.1
1	C	1476	GLU	3.1
1	F	46	GLU	3.1
1	d	513	GLU	3.1
1	e	516	ARG	3.1
1	e	1757	GLU	3.1
1	e	1781	VAL	3.1
2	H	833	GLU	3.1
2	I	1332	ARG	3.1
2	L	1962	ARG	3.1
2	g	297	ARG	3.1
2	g	736	ARG	3.1
2	l	371	VAL	3.1
3	m	86	VAL	3.1
1	A	496	PRO	3.1
1	B	90	TYR	3.1
1	B	521	LYS	3.1
1	B	1626	TYR	3.1
1	D	700	GLY	3.1
1	D	1693	ILE	3.1
1	E	540	GLN	3.1
1	E	977	TYR	3.1
1	F	1053	MET	3.1
1	a	292	GLN	3.1
1	b	743	GLN	3.1
1	b	1377	MET	3.1
2	G	1725	LYS	3.1

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Mol	Chain	Res	Type	RSRZ
2	G	1873	TYR	3.1
2	I	998	GLN	3.1
2	I	1669	GLN	3.1
2	J	1547	PRO	3.1
2	K	582	LYS	3.1
2	L	350	GLN	3.1
2	L	1200	PRO	3.1
2	h	1744	GLY	3.1
2	i	970	TYR	3.1
2	k	1843	PRO	3.1
2	l	415	LYS	3.1
1	e	1434	SER	3.1
1	f	1545	SER	3.1
2	G	898	ASP	3.1
2	H	159	ILE	3.1
2	H	408	PRO	3.1
1	b	1760	THR	3.1
1	c	928	GLY	3.1
1	c	1035	THR	3.1
1	d	191	GLY	3.1
2	H	24	THR	3.1
2	H	363	GLY	3.1
2	I	259	THR	3.1
2	I	621	GLY	3.1
2	I	1167	SER	3.1
2	I	1375	THR	3.1
2	I	1498	THR	3.1
2	L	62	GLY	3.1
2	L	820	CYS	3.1
2	g	682	GLY	3.1
2	g	769	SER	3.1
2	g	776	ASP	3.1
2	h	47	GLY	3.1
2	h	742	SER	3.1
2	h	889	ASP	3.1
2	h	1075	ASP	3.1
2	i	1513	GLY	3.1
3	o	7	ILE	3.1
2	h	1137	SER	3.1
2	i	1817	SER	3.1
2	l	274	SER	3.1
1	A	269	LEU	3.1

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Mol	Chain	Res	Type	RSRZ
1	A	1704	ALA	3.1
1	D	1704	ALA	3.1
1	F	732	LEU	3.1
1	f	649	TRP	3.1
1	F	758	ASN	3.1
1	F	1613	ASN	3.1
1	a	1285	ALA	3.1
1	c	295	ALA	3.1
1	c	1858	ALA	3.1
2	G	173	LEU	3.1
2	K	1149	TRP	3.1
1	f	1758	ASN	3.1
2	G	612	ASN	3.1
2	I	1856	ALA	3.1
2	K	30	ALA	3.1
2	K	105	ALA	3.1
2	g	20	LEU	3.1
2	l	661	TRP	3.1
2	i	58	ALA	3.1
2	i	299	ALA	3.1
2	i	633	ALA	3.1
2	j	1129	ALA	3.1
2	k	148	ALA	3.1
2	j	137	PHE	3.1
2	k	1976	PHE	3.1
1	b	157	HIS	3.1
2	K	1568	HIS	3.1
2	j	1081	HIS	3.1
2	j	1151	HIS	3.1
1	B	62	LYS	3.1
1	C	734	VAL	3.1
1	D	1367	ARG	3.1
1	D	1721	ARG	3.1
1	D	1722	VAL	3.1
1	a	626	VAL	3.1
2	h	1201	VAL	3.1
2	h	1227	ARG	3.1
2	k	758	ARG	3.1
2	k	924	LYS	3.1
2	k	953	ARG	3.1
2	k	1962	ARG	3.1
2	l	736	ARG	3.1

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Mol	Chain	Res	Type	RSRZ
3	N	99	ARG	3.1
1	A	66	GLU	3.1
1	a	237	MET	3.1
1	E	499	PRO	3.0
1	a	1787	ILE	3.1
1	c	664	GLU	3.1
1	b	1652	GLN	3.0
1	d	1006	PRO	3.0
2	G	1136	GLU	3.1
2	H	784	GLU	3.1
1	e	1401	TYR	3.0
1	e	1641	ILE	3.1
1	F	1336	GLN	3.0
1	a	224	GLN	3.0
1	a	261	GLN	3.0
2	G	506	PRO	3.0
2	K	1471	GLU	3.1
2	i	956	GLU	3.1
2	i	1894	GLU	3.1
2	j	172	GLU	3.1
2	G	772	GLY	3.0
2	i	1545	TYR	3.0
2	k	335	PRO	3.0
2	l	624	TYR	3.0
2	l	1036	GLN	3.0
1	A	627	SER	3.0
1	B	947	LEU	3.0
1	B	958	SER	3.0
1	C	328	LEU	3.0
1	C	1340	SER	3.0
1	a	230	SER	3.0
1	a	404	SER	3.0
1	b	242	THR	3.0
1	b	1511	ASP	3.0
1	c	1865	THR	3.0
1	d	605	LEU	3.0
1	d	910	THR	3.0
1	d	1640	SER	3.0
1	f	1411	THR	3.0
1	f	1808	SER	3.0
1	f	1874	ASP	3.0
2	G	128	THR	3.0

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Mol	Chain	Res	Type	RSRZ
2	G	1299	ASP	3.0
2	H	1277	LEU	3.0
2	H	1585	SER	3.0
2	I	816	ASP	3.0
2	I	1586	SER	3.0
2	I	1801	ASP	3.0
2	K	179	THR	3.0
2	K	1124	SER	3.0
2	L	81	ASP	3.0
2	L	380	SER	3.0
2	L	449	SER	3.0
2	L	464	ASP	3.0
2	L	499	THR	3.0
2	L	769	SER	3.0
2	L	1190	SER	3.0
2	L	1272	ASP	3.0
2	L	1511	SER	3.0
2	L	1865	SER	3.0
2	h	848	SER	3.0
2	h	1453	ASP	3.0
2	j	1588	SER	3.0
2	l	225	THR	3.0
2	l	377	LEU	3.0
2	l	523	THR	3.0
2	l	1022	ASP	3.0
1	A	1030	TRP	3.0
1	c	57	ALA	3.0
1	d	683	ALA	3.0
2	G	903	TRP	3.0
2	I	903	TRP	3.0
2	I	1331	TRP	3.0
2	K	1856	ALA	3.0
2	j	1035	TRP	3.0
2	j	1691	TRP	3.0
1	C	1483	ASN	3.0
1	F	194	PHE	3.0
1	c	356	ASN	3.0
1	f	927	ASN	3.0
2	I	958	PHE	3.0
2	g	1550	ASN	3.0
2	h	450	PHE	3.0
2	j	1478	ASN	3.0

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Mol	Chain	Res	Type	RSRZ
2	l	1916	PHE	3.0
1	C	231	ARG	3.0
1	C	1079	LYS	3.0
1	b	284	LYS	3.0
1	d	1841	ARG	3.0
1	e	62	LYS	3.0
2	G	520	LYS	3.0
2	H	19	VAL	3.0
2	L	248	HIS	3.0
2	j	1023	ARG	3.0
2	k	582	LYS	3.0
2	k	589	ARG	3.0
2	I	1378	ILE	3.0
2	g	1741	ILE	3.0
2	h	1922	ILE	3.0
1	B	280	GLU	3.0
1	B	602	GLU	3.0
1	B	1757	GLU	3.0
1	C	1069	GLY	3.0
1	C	1574	GLY	3.0
1	E	89	TYR	3.0
1	E	94	PRO	3.0
1	E	1530	GLY	3.0
1	F	753	TYR	3.0
1	c	876	GLY	3.0
1	d	466	TYR	3.0
1	d	1619	GLU	3.0
1	e	1705	PRO	3.0
1	f	1083	PRO	3.0
2	G	792	PRO	3.0
2	G	793	PRO	3.0
2	G	981	GLU	3.0
2	G	1937	GLU	3.0
1	E	1577	GLN	3.0
2	H	622	GLY	3.0
2	I	230	TYR	3.0
2	I	347	GLU	3.0
2	I	1547	PRO	3.0
2	K	491	GLU	3.0
2	K	976	PRO	3.0
2	L	1507	GLU	3.0
2	L	1723	GLY	3.0

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Mol	Chain	Res	Type	RSRZ
2	g	8	PRO	3.0
2	g	1322	PRO	3.0
2	g	1739	GLU	3.0
2	i	276	GLY	3.0
2	i	363	GLY	3.0
2	i	507	GLY	3.0
2	j	1183	GLU	3.0
2	k	768	GLY	3.0
3	N	10	PRO	3.0
3	O	52	TYR	3.0
3	n	52	TYR	3.0
2	J	1036	GLN	3.0
2	g	1424	GLN	3.0
2	k	998	GLN	3.0
1	A	880	ALA	3.0
1	C	409	ALA	3.0
1	D	727	ALA	3.0
1	D	1247	SER	3.0
1	D	1417	SER	3.0
1	D	1760	THR	3.0
1	F	376	ASP	3.0
1	F	625	THR	3.0
1	F	701	ALA	3.0
1	a	60	THR	3.0
1	a	1434	SER	3.0
1	b	649	TRP	3.0
1	d	1872	SER	3.0
1	f	196	THR	3.0
2	G	462	THR	3.0
2	G	974	ASP	3.0
2	G	1346	ASP	3.0
2	G	1662	THR	3.0
2	G	1841	ALA	3.0
2	H	392	THR	3.0
2	I	711	ASP	3.0
2	I	745	ASP	3.0
2	J	113	ASP	3.0
2	J	1035	TRP	3.0
2	J	1817	SER	3.0
2	K	845	THR	3.0
2	K	1597	ALA	3.0
2	K	1973	SER	3.0

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Mol	Chain	Res	Type	RSRZ
2	g	1603	SER	3.0
2	g	2045	TRP	3.0
2	h	845	THR	3.0
2	h	1774	THR	3.0
2	i	6	THR	3.0
2	i	119	THR	3.0
2	i	923	ALA	3.0
2	i	1005	SER	3.0
2	i	1189	THR	3.0
2	i	1245	ASP	3.0
2	j	259	THR	3.0
2	k	845	THR	3.0
2	k	1602	SER	3.0
2	k	1655	ALA	3.0
2	k	1772	SER	3.0
2	l	345	THR	3.0
2	l	396	ALA	3.0
3	N	112	THR	3.0
1	B	1335	PHE	3.0
2	I	80	PHE	3.0
2	L	416	PHE	3.0
2	j	1569	PHE	3.0
1	A	618	ASN	3.0
1	B	607	LYS	3.0
1	B	1843	ASN	3.0
1	C	5	VAL	3.0
1	E	427	ASN	3.0
1	F	669	ASN	3.0
1	F	1258	ARG	3.0
1	F	1773	VAL	3.0
1	a	1737	ASN	3.0
1	e	632	ARG	3.0
1	e	1549	ASN	3.0
1	f	948	VAL	3.0
2	H	1168	ASN	3.0
2	J	526	ARG	3.0
2	h	451	ASN	3.0
2	j	445	LYS	3.0
2	j	1644	ASN	3.0
3	R	133	VAL	3.0
3	m	99	ARG	3.0
1	B	1386	ILE	3.0

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Mol	Chain	Res	Type	RSRZ
1	a	1759	MET	3.0
2	I	794	MET	3.0
2	L	1002	HIS	3.0
2	g	1737	ILE	3.0
2	g	1888	ILE	3.0
2	l	1078	HIS	3.0
3	o	13	ILE	3.0
1	A	1320	LEU	3.0
1	B	1269	PRO	3.0
1	E	280	GLU	3.0
1	F	51	PRO	3.0
1	c	1711	GLU	3.0
1	c	1853	GLY	3.0
1	d	995	LEU	3.0
1	d	1660	TYR	3.0
1	e	89	TYR	3.0
1	e	909	LEU	3.0
1	e	1623	TYR	3.0
2	G	239	PRO	3.0
2	G	460	TYR	3.0
2	G	487	PRO	3.0
2	G	675	PRO	3.0
2	G	739	GLY	3.0
2	G	810	GLU	3.0
2	H	508	GLY	3.0
2	H	841	GLY	3.0
2	I	541	TYR	3.0
2	J	964	LEU	3.0
2	K	1416	TYR	3.0
2	L	614	GLY	3.0
2	g	599	PRO	3.0
2	g	739	GLY	3.0
2	g	1016	PRO	3.0
2	g	1291	GLU	3.0
2	h	533	LEU	3.0
2	h	920	GLU	3.0
2	h	1416	TYR	3.0
2	h	1754	GLU	3.0
2	i	2014	LEU	3.0
2	k	212	GLY	3.0
2	l	477	GLU	3.0
3	n	14	GLU	3.0

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Mol	Chain	Res	Type	RSRZ
1	A	918	GLN	3.0
1	D	1652	GLN	3.0
1	E	1877	GLN	3.0
2	L	2050	GLN	3.0
3	m	43	GLN	3.0
1	A	502	ALA	3.0
2	H	1249	ALA	3.0
2	K	886	ALA	3.0
2	k	1321	ALA	3.0
1	A	33	ASP	3.0
1	A	992	PHE	3.0
1	C	1085	ASP	3.0
1	C	1804	SER	3.0
1	D	301	ASP	3.0
1	D	811	SER	3.0
1	D	1784	ASP	3.0
1	F	254	TRP	3.0
1	c	1611	ALA	3.0
1	c	1833	ALA	3.0
1	E	1646	PHE	3.0
1	F	289	SER	3.0
1	F	609	SER	3.0
1	F	1134	PHE	3.0
1	a	523	SER	3.0
1	b	82	SER	3.0
1	d	961	THR	3.0
1	f	174	ASP	3.0
2	H	400	SER	3.0
2	H	474	SER	3.0
2	I	436	SER	3.0
2	g	210	THR	3.0
2	g	1160	THR	3.0
2	g	1559	ASP	3.0
2	j	1662	THR	3.0
2	k	523	THR	3.0
2	k	1544	SER	3.0
2	k	1774	THR	3.0
2	k	1884	TRP	3.0
2	l	903	TRP	3.0
2	k	1154	PHE	3.0
3	O	21	SER	3.0
1	A	1299	LYS	3.0

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Mol	Chain	Res	Type	RSRZ
1	a	1868	LYS	3.0
1	f	1423	LYS	3.0
2	K	140	LYS	3.0
2	l	962	LYS	3.0
2	G	2021	VAL	3.0
2	J	1693	ARG	3.0
2	K	957	ARG	3.0
2	K	1849	ARG	3.0
2	L	736	ARG	3.0
2	L	1043	VAL	3.0
2	h	1393	VAL	3.0
2	j	371	VAL	3.0
1	A	1442	ASN	3.0
1	A	1601	ASN	3.0
1	D	184	ASN	3.0
1	D	1748	ASN	3.0
1	E	1004	ILE	3.0
1	F	1442	ASN	3.0
1	c	1442	ASN	3.0
2	H	806	MET	3.0
2	L	1156	CYS	3.0
2	L	1550	ASN	3.0
2	g	418	ASN	3.0
2	j	238	CYS	3.0
2	k	1858	ASN	3.0
2	l	127	ILE	3.0
3	m	7	ILE	3.0
2	G	1078	HIS	3.0
2	H	751	LEU	3.0
2	J	359	HIS	3.0
2	g	747	HIS	3.0
2	j	486	LEU	3.0
2	l	855	HIS	3.0
3	m	79	LEU	3.0
1	B	1083	PRO	3.0
1	D	1113	GLY	3.0
1	E	239	GLY	3.0
1	F	377	TYR	3.0
1	c	1322	GLY	3.0
1	f	874	GLY	3.0
2	G	761	PRO	3.0
2	G	1056	GLY	3.0

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Mol	Chain	Res	Type	RSRZ
2	G	1244	PRO	3.0
2	H	257	GLY	3.0
2	I	1357	TYR	3.0
2	I	1562	PRO	3.0
2	J	383	PRO	3.0
2	K	212	GLY	3.0
2	K	249	TYR	3.0
2	K	382	PRO	3.0
2	L	507	GLY	3.0
2	L	1416	TYR	3.0
2	g	1057	PRO	3.0
2	g	1980	TYR	3.0
2	j	604	PRO	3.0
2	j	1369	GLY	3.0
2	j	1558	GLY	3.0
2	k	531	GLY	3.0
1	a	1132	GLU	3.0
1	d	1774	GLU	3.0
1	e	464	GLU	3.0
2	G	1757	GLU	3.0
2	H	1273	GLU	3.0
2	K	92	GLU	3.0
2	j	992	GLU	3.0
2	k	312	GLU	3.0
3	o	14	GLU	3.0
3	r	90	GLU	3.0
1	C	979	GLN	3.0
1	a	1188	GLN	3.0
2	h	1036	GLN	3.0
2	k	79	GLN	3.0
2	l	1161	GLN	3.0
3	q	105	GLN	3.0
1	F	1007	ALA	3.0
2	I	2004	ALA	3.0
2	K	154	ALA	3.0
2	i	1906	ALA	3.0
1	B	518	LYS	3.0
1	D	1508	TRP	3.0
1	c	1621	PHE	3.0
2	H	904	PHE	3.0
2	H	1242	PHE	3.0
1	F	505	LYS	3.0

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Mol	Chain	Res	Type	RSRZ
1	F	1092	LYS	3.0
1	B	864	VAL	3.0
1	B	1366	SER	3.0
1	D	1076	VAL	3.0
1	E	681	THR	3.0
1	F	1550	ASP	3.0
1	F	1556	THR	3.0
1	b	218	SER	3.0
1	b	289	SER	3.0
1	e	1366	SER	3.0
1	f	189	ASP	3.0
2	G	1268	LYS	3.0
1	a	396	ARG	3.0
1	d	5	VAL	3.0
2	G	991	ARG	3.0
2	G	1544	SER	3.0
2	H	191	SER	3.0
2	H	1911	THR	3.0
2	H	1918	LYS	3.0
2	K	865	TRP	3.0
2	j	931	PHE	3.0
2	l	258	PHE	3.0
2	I	514	VAL	3.0
2	J	291	SER	3.0
2	J	1343	VAL	3.0
2	K	1643	ARG	3.0
2	L	117	VAL	3.0
2	L	745	ASP	3.0
2	L	1663	THR	3.0
2	i	1083	LYS	3.0
2	j	568	LYS	3.0
2	i	1015	VAL	3.0
2	j	278	VAL	3.0
2	j	602	VAL	3.0
2	k	999	ASP	3.0
2	l	77	VAL	3.0
2	l	494	THR	3.0
2	l	848	SER	3.0
2	l	965	SER	3.0
3	O	55	LYS	3.0
3	m	110	ARG	3.0
2	G	1251	ILE	3.0

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Mol	Chain	Res	Type	RSRZ
2	J	854	ILE	3.0
2	L	794	MET	3.0
2	j	1922	ILE	3.0
2	k	1925	ILE	3.0
2	l	658	MET	3.0
1	F	328	LEU	3.0
1	a	277	LEU	3.0
1	b	618	ASN	3.0
1	f	277	LEU	3.0
2	H	1746	LEU	3.0
2	H	1892	ASN	3.0
2	i	303	LEU	3.0
1	A	1569	GLY	3.0
1	B	1332	TYR	3.0
1	C	417	TYR	3.0
1	D	1227	GLY	3.0
1	F	1543	GLY	3.0
1	c	1563	HIS	3.0
1	d	1362	PRO	3.0
2	G	54	PRO	3.0
2	H	1980	TYR	3.0
2	I	1744	GLY	3.0
2	I	1796	GLY	3.0
2	J	737	GLY	3.0
2	K	770	GLY	3.0
2	L	230	TYR	3.0
2	g	249	TYR	3.0
2	g	590	PRO	3.0
2	g	1833	TYR	3.0
2	i	1402	PRO	3.0
2	j	674	TYR	3.0
2	j	1660	PRO	3.0
2	l	1955	PRO	3.0
3	O	109	TYR	3.0
1	A	1475	GLU	3.0
1	E	1788	GLU	3.0
1	F	886	GLU	3.0
1	a	280	GLU	3.0
2	H	1135	GLU	3.0
2	I	833	GLU	3.0
2	I	1887	GLU	3.0
2	J	992	GLU	3.0

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Mol	Chain	Res	Type	RSRZ
2	L	1136	GLU	3.0
2	g	172	GLU	3.0
2	j	1937	GLU	3.0
2	l	53	GLU	3.0
2	l	290	GLU	3.0
1	B	21	GLN	3.0
1	E	1207	GLN	3.0
1	E	1833	ALA	3.0
1	F	1147	GLN	3.0
1	b	295	ALA	3.0
1	c	10	ALA	3.0
1	e	1503	ALA	3.0
1	f	1648	GLN	3.0
2	g	979	ALA	3.0
2	h	435	ALA	3.0
2	i	313	ALA	3.0
2	j	1694	ALA	3.0
1	C	1299	LYS	3.0
1	d	702	LYS	3.0
2	k	27	PHE	3.0
2	g	832	TRP	3.0
1	A	1264	ARG	3.0
1	c	613	VAL	3.0
2	K	1567	ARG	3.0
2	L	638	VAL	3.0
2	k	1840	VAL	3.0
2	k	1974	VAL	3.0
2	l	130	ARG	3.0
2	l	1398	ARG	3.0
1	A	1411	THR	3.0
1	C	1779	ILE	3.0
1	D	715	THR	3.0
1	E	1516	ASP	3.0
1	a	622	ILE	3.0
1	b	148	SER	3.0
1	b	661	ASP	3.0
1	b	1372	THR	3.0
1	c	1749	THR	3.0
1	c	1870	SER	3.0
1	d	140	ILE	3.0
1	d	988	ILE	3.0
1	e	501	THR	3.0

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Mol	Chain	Res	Type	RSRZ
1	e	875	THR	3.0
2	G	287	ASP	3.0
2	G	1072	SER	3.0
2	H	234	ILE	3.0
2	H	318	SER	3.0
2	H	1228	THR	3.0
2	H	1709	ILE	3.0
2	I	854	ILE	3.0
2	I	913	ASP	3.0
2	K	455	ILE	3.0
2	K	769	SER	3.0
2	L	179	THR	3.0
2	L	1603	SER	3.0
2	L	1817	SER	3.0
2	L	1982	MET	3.0
2	g	101	ILE	3.0
2	g	782	THR	3.0
2	g	1544	SER	3.0
2	h	1600	SER	3.0
2	j	532	THR	3.0
2	j	540	ASP	3.0
2	j	1380	SER	3.0
2	k	963	THR	3.0
2	k	1235	SER	3.0
2	l	29	ILE	3.0
2	l	1404	MET	3.0
3	M	11	ILE	3.0
3	O	101	ASP	3.0
3	R	150	ILE	3.0
3	m	136	ASP	3.0
3	q	21	SER	3.0
1	F	149	LEU	3.0
1	f	18	LEU	3.0
2	K	156	LEU	3.0
1	B	1737	ASN	3.0
1	C	854	HIS	3.0
1	D	814	GLY	3.0
1	D	1432	HIS	3.0
1	D	1770	GLY	3.0
1	F	738	ASN	3.0
1	a	63	ASN	3.0
1	b	1374	ASN	3.0

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Mol	Chain	Res	Type	RSRZ
1	d	1811	GLY	3.0
1	e	454	HIS	3.0
1	e	651	TYR	3.0
1	e	1770	GLY	3.0
2	G	446	ASN	3.0
2	I	1306	ASN	3.0
2	J	1306	ASN	3.0
2	L	383	PRO	3.0
3	O	139	ASN	3.0
3	o	145	PRO	3.0
1	a	1050	CYS	3.0
1	A	614	ALA	3.0
1	B	208	GLU	3.0
1	C	369	ALA	3.0
1	D	71	ALA	3.0
1	D	1026	GLU	3.0
1	D	495	LYS	3.0
1	D	1590	ALA	3.0
1	d	1622	GLU	3.0
1	e	964	GLU	3.0
1	e	1619	GLU	3.0
1	e	1681	GLU	3.0
2	G	873	PHE	3.0
2	G	1337	ALA	3.0
2	G	1870	ALA	3.0
2	L	1926	GLU	3.0
2	i	1864	ALA	3.0
2	j	2036	GLU	3.0
2	k	657	PHE	3.0
2	l	1309	GLU	3.0
2	I	545	GLN	3.0
2	K	1367	GLN	3.0
2	L	2023	LYS	3.0
2	g	812	LYS	3.0
2	k	968	GLN	3.0
2	k	1175	LYS	3.0
1	C	1738	ILE	3.0
1	E	406	TRP	3.0
1	E	626	VAL	3.0
1	F	1208	VAL	3.0
2	H	184	VAL	3.0
1	F	290	MET	3.0

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Mol	Chain	Res	Type	RSRZ
1	a	1414	ILE	3.0
2	j	289	TRP	3.0
2	k	1043	VAL	3.0
2	L	1709	ILE	3.0
2	l	561	TRP	3.0
2	h	863	MET	3.0
1	a	1067	LEU	3.0
1	a	1443	LEU	3.0
1	b	908	LEU	3.0
2	I	1054	LEU	3.0
2	l	246	LEU	3.0
1	A	1742	ASP	3.0
1	C	708	SER	3.0
1	E	827	SER	3.0
1	E	1366	SER	3.0
1	b	404	SER	3.0
1	b	492	ASP	3.0
1	b	1182	ASP	3.0
1	d	1642	THR	3.0
2	G	369	SER	3.0
2	I	237	SER	3.0
2	I	318	SER	3.0
2	I	476	SER	3.0
2	J	1951	SER	3.0
2	K	803	SER	3.0
2	h	114	THR	3.0
2	h	259	THR	3.0
2	i	392	THR	3.0
2	i	1299	ASP	3.0
2	j	1473	THR	3.0
2	j	1932	SER	3.0
2	l	816	ASP	3.0
2	l	2022	THR	3.0
3	R	45	SER	3.0
1	B	1829	GLY	3.0
1	C	1232	TYR	3.0
1	D	1330	GLY	3.0
1	E	830	HIS	3.0
1	E	1623	TYR	3.0
1	c	1248	GLY	3.0
1	e	1478	PRO	3.0
2	I	842	GLY	3.0

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Mol	Chain	Res	Type	RSRZ
2	I	1799	PRO	3.0
2	I	1963	GLY	3.0
2	I	2025	TYR	3.0
2	g	95	TYR	3.0
2	g	1843	PRO	3.0
2	i	98	GLY	3.0
2	k	164	GLY	3.0
1	b	506	ASN	3.0
2	k	1895	ASN	3.0
2	l	747	HIS	3.0
3	P	52	TYR	3.0
2	K	214	ASN	3.0
2	j	1186	ASN	3.0
3	Q	139	ASN	3.0
1	c	1868	LYS	3.0
1	c	1492	GLU	3.0
1	d	446	ALA	3.0
1	d	1002	LYS	3.0
1	e	241	PHE	3.0
1	e	286	PHE	3.0
2	G	27	PHE	3.0
2	H	1864	ALA	3.0
2	I	450	PHE	3.0
2	h	1128	LYS	3.0
1	E	1120	GLU	3.0
1	a	1364	GLU	3.0
1	d	1817	GLU	3.0
1	e	1838	GLU	3.0
2	G	696	GLU	3.0
2	G	992	GLU	3.0
2	H	956	GLU	3.0
2	L	1551	GLU	3.0
1	B	1869	VAL	3.0
1	C	680	ILE	2.9
1	C	1034	ARG	3.0
1	b	1802	GLN	3.0
1	b	1825	VAL	3.0
1	c	298	VAL	3.0
1	e	1084	VAL	3.0
1	f	430	ARG	3.0
2	G	22	VAL	3.0
2	G	211	GLN	3.0

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Mol	Chain	Res	Type	RSRZ
2	G	1821	VAL	3.0
2	H	423	VAL	3.0
2	I	19	VAL	3.0
2	L	1742	VAL	3.0
2	k	1499	VAL	3.0
2	l	470	VAL	3.0
2	l	805	VAL	3.0
1	b	175	LEU	2.9
1	b	995	LEU	2.9
1	b	1055	TRP	2.9
1	b	1719	LEU	2.9
1	e	277	LEU	2.9
2	g	431	LEU	2.9
2	g	903	TRP	2.9
2	h	1770	LEU	2.9
2	k	232	LEU	2.9
1	A	1247	SER	2.9
1	A	1777	THR	2.9
1	D	459	ASP	2.9
1	F	512	SER	2.9
1	a	459	ASP	2.9
1	a	1282	THR	2.9
1	c	1666	THR	2.9
1	c	1808	SER	2.9
1	e	332	THR	2.9
1	e	539	SER	2.9
2	G	1817	SER	2.9
2	H	1438	SER	2.9
2	I	1380	SER	2.9
2	H	1231	GLY	2.9
2	J	1559	ASP	2.9
2	g	935	THR	2.9
2	g	708	GLY	2.9
2	g	1806	GLY	2.9
2	g	1902	GLY	2.9
2	h	538	ASP	2.9
2	h	1022	ASP	2.9
2	i	417	SER	2.9
2	k	10	THR	2.9
2	l	2015	THR	2.9
1	A	1744	TYR	2.9
1	b	1824	GLY	2.9

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Mol	Chain	Res	Type	RSRZ
1	d	498	GLY	2.9
1	d	726	GLY	2.9
1	f	740	GLY	2.9
3	M	25	ASP	2.9
3	O	84	ASP	2.9
3	r	45	SER	2.9
2	I	702	TYR	2.9
2	L	2010	TYR	2.9
2	h	1852	TYR	2.9
2	i	1090	TYR	2.9
2	i	1703	GLY	2.9
2	i	1902	GLY	2.9
1	D	650	LYS	2.9
1	F	1083	PRO	2.9
2	l	1980	TYR	2.9
1	c	659	PHE	2.9
1	e	830	HIS	2.9
1	f	1724	LYS	2.9
2	J	102	HIS	2.9
2	J	544	LYS	2.9
2	L	1568	HIS	2.9
2	g	856	LYS	2.9
2	h	1720	HIS	2.9
2	k	855	HIS	2.9
2	k	1986	LYS	2.9
1	B	1758	ASN	2.9
1	B	1862	ALA	2.9
1	E	283	ALA	2.9
1	a	758	ASN	2.9
1	a	772	ALA	2.9
1	a	1611	ALA	2.9
1	d	391	ALA	2.9
2	H	1732	ASN	2.9
2	J	1042	ALA	2.9
2	J	1841	ALA	2.9
2	L	372	ASN	2.9
2	g	1597	ALA	2.9
2	j	1143	ALA	2.9
2	j	1587	ALA	2.9
2	k	299	ALA	2.9
2	l	1773	ALA	2.9
3	o	54	ALA	2.9

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Mol	Chain	Res	Type	RSRZ
1	B	247	ARG	2.9
1	C	1484	GLU	2.9
1	E	1364	GLU	2.9
1	B	1126	ILE	2.9
1	C	1004	ILE	2.9
1	a	1302	VAL	2.9
1	a	1702	GLU	2.9
1	d	946	GLU	2.9
2	H	1492	GLU	2.9
2	j	1100	VAL	2.9
2	j	1645	GLU	2.9
1	b	186	ILE	2.9
2	k	72	VAL	2.9
2	H	1958	LEU	2.9
2	I	84	LEU	2.9
2	J	346	GLN	2.9
2	K	275	GLN	2.9
2	K	402	LEU	2.9
2	L	764	MET	2.9
2	g	995	LEU	2.9
2	g	1034	LEU	2.9
2	h	1319	MET	2.9
2	i	21	LEU	2.9
2	j	677	GLN	2.9
2	k	1527	LEU	2.9
2	l	255	LEU	2.9
1	D	805	CYS	2.9
1	F	865	CYS	2.9
1	a	649	TRP	2.9
2	g	600	CYS	2.9
2	j	661	TRP	2.9
1	A	1479	SER	2.9
1	D	1069	GLY	2.9
1	B	1368	PRO	2.9
1	D	637	PHE	2.9
1	D	1626	TYR	2.9
1	D	1763	LYS	2.9
1	E	1150	ASP	2.9
1	E	1241	SER	2.9
1	E	1660	TYR	2.9
1	F	650	LYS	2.9
1	F	1181	PHE	2.9

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Mol	Chain	Res	Type	RSRZ
1	F	1438	TYR	2.9
1	F	1744	TYR	2.9
1	a	52	THR	2.9
1	b	1359	GLY	2.9
1	d	887	GLY	2.9
1	a	361	PHE	2.9
1	a	1713	ASP	2.9
1	b	201	PRO	2.9
1	e	481	LYS	2.9
1	e	1760	THR	2.9
1	f	169	SER	2.9
2	H	680	THR	2.9
1	a	1718	PRO	2.9
2	G	2012	PRO	2.9
2	H	1172	LYS	2.9
2	I	616	THR	2.9
2	I	1130	THR	2.9
2	I	1177	SER	2.9
2	I	1231	GLY	2.9
2	H	2010	TYR	2.9
2	J	1177	SER	2.9
2	J	1557	SER	2.9
2	K	551	THR	2.9
2	L	909	GLY	2.9
2	J	57	PRO	2.9
2	J	548	PHE	2.9
2	K	496	PHE	2.9
2	K	1903	ASP	2.9
2	i	839	PRO	2.9
2	k	1092	ASP	2.9
2	k	1578	THR	2.9
2	k	1867	SER	2.9
2	l	748	THR	2.9
1	b	1791	PHE	2.9
1	d	1265	PHE	2.9
2	g	1660	PRO	2.9
2	k	1494	PRO	2.9
2	l	1411	PHE	2.9
1	A	1722	VAL	2.9
1	a	436	ALA	2.9
1	A	1245	ASN	2.9
1	B	1204	ILE	2.9

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Mol	Chain	Res	Type	RSRZ
1	B	1594	ASN	2.9
1	C	944	ARG	2.9
1	C	517	GLU	2.9
1	D	1665	ILE	2.9
1	E	26	VAL	2.9
1	a	1515	ARG	2.9
1	d	34	VAL	2.9
2	J	846	VAL	2.9
2	g	1321	ALA	2.9
2	k	129	ALA	2.9
3	P	4	ALA	2.9
3	Q	29	ALA	2.9
1	d	247	ARG	2.9
1	F	795	MET	2.9
1	d	1338	GLU	2.9
1	e	185	GLU	2.9
1	e	330	GLU	2.9
1	f	1745	ILE	2.9
2	H	1641	GLU	2.9
2	I	553	ASN	2.9
2	K	1912	ASN	2.9
2	L	956	GLU	2.9
2	g	718	ASN	2.9
2	h	929	LEU	2.9
2	h	1849	ARG	2.9
2	h	1492	GLU	2.9
2	k	806	MET	2.9
3	m	15	GLU	2.9
1	F	861	GLN	2.9
1	b	1003	GLN	2.9
1	c	224	GLN	2.9
1	f	1577	GLN	2.9
2	J	211	GLN	2.9
2	j	1839	GLN	2.9
1	f	1246	CYS	2.9
1	B	1375	GLY	2.9
1	F	724	LYS	2.9
1	d	1562	LYS	2.9
2	J	975	LYS	2.9
2	L	1064	LYS	2.9
2	g	257	GLY	2.9
2	g	1918	LYS	2.9

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Mol	Chain	Res	Type	RSRZ
2	i	228	LYS	2.9
2	i	582	LYS	2.9
1	A	1191	THR	2.9
1	B	961	THR	2.9
1	B	1024	PHE	2.9
1	F	89	TYR	2.9
1	B	225	SER	2.9
1	B	1308	SER	2.9
1	B	1885	THR	2.9
1	d	273	PRO	2.9
2	G	420	PHE	2.9
2	H	1552	PRO	2.9
2	I	42	PRO	2.9
2	I	1536	PRO	2.9
2	J	645	SER	2.9
2	J	1289	ASP	2.9
2	J	1948	SER	2.9
2	K	315	PRO	2.9
2	L	1275	PHE	2.9
2	L	1339	PHE	2.9
2	g	815	PRO	2.9
2	g	1640	PHE	2.9
2	i	314	TYR	2.9
2	i	1137	SER	2.9
2	i	1763	THR	2.9
2	i	1909	THR	2.9
2	j	230	TYR	2.9
2	j	429	SER	2.9
2	j	626	SER	2.9
2	j	1005	SER	2.9
2	j	1133	THR	2.9
2	j	1237	PRO	2.9
2	k	487	PRO	2.9
2	k	1057	PRO	2.9
2	k	1547	PRO	2.9
2	l	2019	PHE	2.9
3	p	149	PHE	2.9
1	e	226	SER	2.9
1	f	403	ASP	2.9
2	G	1600	SER	2.9
2	L	503	ASP	2.9
2	L	1346	ASP	2.9

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Mol	Chain	Res	Type	RSRZ
2	k	605	ASP	2.9
1	A	246	ALA	2.9
1	A	622	ILE	2.9
1	B	1329	VAL	2.9
1	C	1416	ARG	2.9
1	D	1858	ALA	2.9
1	E	328	LEU	2.9
1	F	721	ILE	2.9
1	a	1852	HIS	2.9
1	b	430	ARG	2.9
1	b	1304	ALA	2.9
1	b	1684	ALA	2.9
1	c	11	HIS	2.9
1	d	145	VAL	2.9
1	d	818	ARG	2.9
1	f	671	VAL	2.9
2	G	1213	LEU	2.9
2	H	60	LEU	2.9
2	I	1977	HIS	2.9
2	J	1742	VAL	2.9
2	L	953	ARG	2.9
2	L	1027	ILE	2.9
2	g	1771	LEU	2.9
2	h	1434	HIS	2.9
2	i	278	VAL	2.9
2	i	1788	ALA	2.9
2	j	49	ALA	2.9
2	k	1152	ALA	2.9
2	k	1442	ALA	2.9
2	l	240	LEU	2.9
2	l	746	ALA	2.9
2	g	850	MET	2.9
3	Q	53	ILE	2.9
1	C	538	GLU	2.9
1	C	912	GLU	2.9
1	b	1613	ASN	2.9
1	b	1788	GLU	2.9
1	b	1797	GLU	2.9
1	c	1737	ASN	2.9
1	d	816	GLU	2.9
1	f	1854	ASN	2.9
2	J	1890	ASN	2.9

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Mol	Chain	Res	Type	RSRZ
2	L	1421	ASN	2.9
2	L	1749	GLU	2.9
2	h	2013	ASN	2.9
2	j	1146	GLU	2.9
2	j	1471	GLU	2.9
2	l	197	GLU	2.9
1	D	1276	GLN	2.9
1	c	374	GLN	2.9
1	f	861	GLN	2.9
2	G	34	GLN	2.9
2	G	1659	GLN	2.9
2	J	350	GLN	2.9
2	K	1672	GLN	2.9
2	g	545	GLN	2.9
2	k	350	GLN	2.9
2	k	456	GLN	2.9
2	l	1839	GLN	2.9
1	c	408	TRP	2.9
1	A	611	LYS	2.9
1	B	1079	LYS	2.9
1	a	360	LYS	2.9
2	H	2047	LYS	2.9
2	I	1725	LYS	2.9
2	k	1163	LYS	2.9
1	A	255	GLY	2.9
1	A	357	GLY	2.9
1	A	637	PHE	2.9
1	B	1733	PHE	2.9
1	D	1181	PHE	2.9
2	G	1174	PHE	2.9
2	H	614	GLY	2.9
2	H	2034	GLY	2.9
2	I	1866	PHE	2.9
2	J	1103	PHE	2.9
2	L	482	CYS	2.9
2	i	161	GLY	2.9
2	j	62	GLY	2.9
1	D	90	TYR	2.9
1	E	828	PRO	2.9
1	a	205	PRO	2.9
2	H	615	TYR	2.9
2	H	749	PRO	2.9

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Mol	Chain	Res	Type	RSRZ
2	H	1016	PRO	2.9
2	L	42	PRO	2.9
2	L	1545	TYR	2.9
2	i	382	PRO	2.9
2	k	1102	TYR	2.9
2	l	1207	PRO	2.9
3	p	52	TYR	2.9
1	A	1185	VAL	2.9
1	A	1229	THR	2.9
1	A	1340	SER	2.9
1	B	279	SER	2.9
1	C	243	ILE	2.9
1	C	687	SER	2.9
1	C	840	SER	2.9
1	C	1491	ARG	2.9
1	C	1545	SER	2.9
1	D	175	LEU	2.9
1	D	1735	SER	2.9
1	E	1206	SER	2.9
1	F	1435	SER	2.9
1	a	175	LEU	2.9
1	d	1382	ALA	2.9
1	e	339	ALA	2.9
1	f	415	SER	2.9
1	f	972	SER	2.9
1	f	1249	SER	2.9
2	G	58	ALA	2.9
2	J	208	VAL	2.9
2	J	259	THR	2.9
2	J	1840	VAL	2.9
2	L	334	VAL	2.9
2	L	452	ALA	2.9
2	K	898	ASP	2.9
2	L	474	SER	2.9
2	L	971	SER	2.9
2	g	825	THR	2.9
2	g	1304	VAL	2.9
2	g	1465	THR	2.9
2	h	1181	VAL	2.9
2	h	1617	LEU	2.9
2	i	862	VAL	2.9
2	k	1342	THR	2.9

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Mol	Chain	Res	Type	RSRZ
2	l	251	VAL	2.9
2	l	256	LEU	2.9
2	l	1617	LEU	2.9
3	p	112	THR	2.9
1	c	33	ASP	2.9
1	d	1077	ASP	2.9
1	d	1432	HIS	2.9
1	e	504	ASP	2.9
2	G	1245	ASP	2.9
2	i	227	ASP	2.9
2	j	1078	HIS	2.9
2	k	13	HIS	2.9
2	k	2028	ASP	2.9
2	l	51	ASP	2.9
2	l	273	HIS	2.9
1	C	1342	GLU	2.9
1	D	87	GLU	2.9
1	D	1622	GLU	2.9
1	F	1484	GLU	2.9
1	e	612	GLU	2.9
1	e	1233	GLU	2.9
2	G	1551	GLU	2.9
1	B	969	ASN	2.9
1	E	971	ASN	2.9
1	F	407	ASN	2.9
1	a	1598	GLN	2.9
1	c	1288	ASN	2.9
1	d	987	ASN	2.9
1	d	1577	GLN	2.9
1	e	1598	GLN	2.9
2	G	1061	GLN	2.9
2	G	1476	ASN	2.9
2	H	330	ASN	2.9
2	J	2020	GLN	2.9
2	g	996	ASN	2.9
2	h	357	ASN	2.9
2	i	163	GLN	2.9
2	l	153	ASN	2.9
3	P	137	ASN	2.9
2	H	1484	LYS	2.9
2	j	1475	LYS	2.9
2	l	490	TRP	2.9

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Mol	Chain	Res	Type	RSRZ
1	A	1248	GLY	2.9
1	b	498	GLY	2.9
1	d	1621	PHE	2.9
1	f	876	GLY	2.9
2	H	162	GLY	2.9
2	I	381	GLY	2.9
2	J	1722	GLY	2.9
2	h	648	GLY	2.9
2	h	768	GLY	2.9
2	h	948	GLY	2.9
2	j	162	GLY	2.9
3	r	16	PHE	2.9
1	A	839	TYR	2.9
1	C	947	LEU	2.9
1	D	1828	LEU	2.9
1	a	1600	LEU	2.9
1	d	1798	TYR	2.9
1	e	1332	TYR	2.9
2	I	527	VAL	2.9
2	I	559	PRO	2.9
2	L	512	LEU	2.9
2	g	1021	LEU	2.9
2	i	266	TYR	2.9
2	j	2010	TYR	2.9
2	k	2010	TYR	2.9
3	q	81	LEU	2.9
1	A	1141	ALA	2.9
1	B	1796	ILE	2.9
1	D	43	ARG	2.9
1	D	914	VAL	2.9
1	f	1210	PRO	2.9
1	C	1377	MET	2.9
1	D	54	ALA	2.9
2	G	72	VAL	2.9
2	G	594	VAL	2.9
2	G	617	ILE	2.9
2	G	1065	VAL	2.9
2	I	1337	ALA	2.9
2	I	1966	CYS	2.9
2	J	302	VAL	2.9
2	J	1735	ALA	2.9
2	K	997	ALA	2.9

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Mol	Chain	Res	Type	RSRZ
2	h	1863	ALA	2.9
2	i	847	ARG	2.9
3	P	148	ILE	2.9
3	Q	102	ALA	2.9
3	n	133	VAL	2.9
3	p	100	VAL	2.9
1	a	440	MET	2.9
3	m	135	MET	2.9
1	A	708	SER	2.9
1	B	1255	SER	2.9
1	b	230	SER	2.9
1	c	258	SER	2.9
1	c	1349	THR	2.9
1	f	1732	THR	2.9
2	G	1375	THR	2.9
2	J	1470	THR	2.9
2	K	942	THR	2.9
2	L	279	THR	2.9
2	L	1578	THR	2.9
2	i	945	THR	2.9
1	B	355	ASP	2.9
1	F	792	HIS	2.9
2	j	1373	SER	2.9
2	j	1951	SER	2.9
2	k	405	SER	2.9
1	b	189	ASP	2.9
1	e	1511	ASP	2.9
1	f	215	ASP	2.9
1	f	600	ASP	2.9
1	f	1659	ASP	2.9
2	G	100	ASP	2.9
2	H	913	ASP	2.9
2	H	1047	ASP	2.9
2	I	1456	ASP	2.9
2	g	1022	ASP	2.9
2	j	51	ASP	2.9
2	l	566	HIS	2.9
2	l	977	ASP	2.9
3	q	136	ASP	2.9
1	A	602	GLU	2.9
1	A	633	GLU	2.9
1	C	1364	GLU	2.9

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Mol	Chain	Res	Type	RSRZ
1	F	207	GLU	2.9
1	c	1712	GLU	2.9
1	C	669	ASN	2.9
1	E	1281	ASN	2.9
1	a	527	GLN	2.9
1	f	1068	LYS	2.9
1	f	1236	LYS	2.9
1	e	1813	TRP	2.9
2	H	110	GLN	2.9
2	H	364	LYS	2.9
2	L	53	GLU	2.9
2	L	546	GLU	2.9
2	g	1880	LYS	2.9
2	j	1749	GLU	2.9
2	j	1846	GLU	2.9
1	b	1790	ASN	2.9
2	I	1912	ASN	2.9
2	K	1692	ASN	2.9
2	L	289	TRP	2.9
2	h	1399	ASN	2.9
1	D	992	PHE	2.9
1	f	771	PHE	2.9
2	G	1976	PHE	2.9
2	I	1423	PHE	2.9
2	J	1866	PHE	2.9
2	L	1154	PHE	2.9
1	A	814	GLY	2.9
1	F	1248	GLY	2.9
1	a	1767	GLY	2.9
1	b	1250	GLY	2.9
1	c	302	LEU	2.9
1	c	729	GLY	2.9
1	e	278	GLY	2.9
2	H	768	GLY	2.9
2	L	303	LEU	2.9
2	h	614	GLY	2.9
2	h	842	GLY	2.9
2	i	370	LEU	2.9
2	i	802	GLY	2.9
3	O	56	LEU	2.9
1	A	233	ILE	2.9
1	C	888	ILE	2.9

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Mol	Chain	Res	Type	RSRZ
1	D	823	ILE	2.9
1	E	231	ARG	2.9
1	b	172	ILE	2.9
1	b	631	PRO	2.9
1	b	1718	PRO	2.9
1	d	29	ILE	2.9
1	d	231	ARG	2.9
1	d	651	TYR	2.9
1	d	1325	ARG	2.9
1	e	51	PRO	2.9
1	e	198	PRO	2.9
2	H	226	PRO	2.9
2	I	1082	ILE	2.9
2	K	1737	ILE	2.9
2	L	804	ARG	2.9
2	g	54	PRO	2.9
2	g	970	TYR	2.9
2	h	624	TYR	2.9
2	k	685	VAL	2.9
2	l	1372	VAL	2.9
2	l	1590	ARG	2.9
2	l	2003	VAL	2.9
3	Q	108	VAL	2.9
1	F	530	ALA	2.9
1	b	347	ALA	2.9
1	c	923	MET	2.9
1	d	1	MET	2.9
1	e	285	ALA	2.9
2	I	49	ALA	2.9
2	J	1337	ALA	2.9
2	K	1255	MET	2.9
2	K	1780	ALA	2.9
2	K	1805	ALA	2.9
2	i	1901	ALA	2.9
2	l	627	ALA	2.9
1	A	1294	SER	2.9
1	C	1022	THR	2.9
1	D	1191	THR	2.9
1	F	627	SER	2.9
1	b	1540	SER	2.9
1	b	1752	THR	2.9
1	c	1540	SER	2.9

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Mol	Chain	Res	Type	RSRZ
1	d	171	THR	2.9
1	d	1435	SER	2.9
1	e	41	THR	2.9
1	e	1046	SER	2.9
1	f	1294	SER	2.9
2	K	472	SER	2.9
2	L	1758	HIS	2.9
2	g	1909	THR	2.9
2	h	1167	SER	2.9
2	h	1568	HIS	2.9
2	i	1395	THR	2.9
2	j	1549	THR	2.9
2	j	1564	HIS	2.9
2	k	1718	THR	2.9
1	D	282	ASP	2.9
1	D	675	ASP	2.9
1	F	173	LYS	2.9
1	b	1668	ASP	2.9
1	c	336	LYS	2.9
1	d	487	ASP	2.9
2	G	2039	LYS	2.9
2	H	442	ASP	2.9
2	H	1747	LYS	2.9
2	J	879	LYS	2.9
2	g	635	ASP	2.9
2	j	2039	LYS	2.9
2	k	254	LYS	2.9
2	l	227	ASP	2.9
2	l	1047	ASP	2.9
2	l	1458	ASP	2.9
1	B	816	GLU	2.9
1	B	1010	GLU	2.9
1	C	207	GLU	2.9
1	b	1568	GLU	2.9
1	c	1751	GLU	2.9
1	e	664	GLU	2.9
2	H	92	GLU	2.9
2	H	121	GLU	2.9
2	H	1757	GLU	2.9
2	I	1739	GLU	2.9
2	h	1946	GLU	2.9
2	l	1420	GLU	2.9

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Mol	Chain	Res	Type	RSRZ
1	A	1576	PHE	2.9
1	B	1059	PHE	2.9
1	d	292	GLN	2.9
2	H	346	GLN	2.9
2	H	1036	GLN	2.9
2	H	1165	PHE	2.9
2	h	1012	GLN	2.9
2	i	1884	TRP	2.9
2	j	1928	GLN	2.9
2	k	34	GLN	2.9
2	l	545	GLN	2.9
3	p	12	GLN	2.9
1	D	605	LEU	2.9
1	a	149	LEU	2.9
1	a	1569	GLY	2.9
1	c	1831	GLY	2.9
1	d	971	ASN	2.9
1	e	1483	ASN	2.9
1	f	1582	GLY	2.9
2	G	255	LEU	2.9
2	H	269	GLY	2.9
2	H	705	LEU	2.9
2	J	948	GLY	2.9
2	J	1399	ASN	2.9
2	K	1892	ASN	2.9
2	L	936	ASN	2.9
2	h	1675	GLY	2.9
2	i	1345	GLY	2.9
3	m	93	LEU	2.9
1	A	769	ILE	2.8
1	C	153	VAL	2.8
1	D	1398	VAL	2.8
1	D	1840	VAL	2.8
1	C	1571	PRO	2.8
1	C	1626	TYR	2.8
1	b	1609	ARG	2.8
1	c	1771	VAL	2.8
1	d	722	TYR	2.8
1	f	1593	MET	2.8
2	G	850	MET	2.8
2	G	2010	TYR	2.8
2	I	1194	VAL	2.8

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Mol	Chain	Res	Type	RSRZ
2	i	577	ILE	2.8
2	j	615	TYR	2.8
2	j	1472	VAL	2.8
2	l	1413	ARG	2.8
1	B	246	ALA	2.8
1	b	19	ALA	2.8
2	H	724	PRO	2.8
2	I	613	ALA	2.8
2	J	1660	PRO	2.8
2	K	106	ALA	2.8
2	L	608	ALA	2.8
2	L	746	ALA	2.8
2	L	2037	PRO	2.8
2	k	1687	ALA	2.8
1	C	832	THR	2.8
1	C	1741	LYS	2.8
1	B	1226	SER	2.8
1	C	879	SER	2.8
1	F	755	THR	2.8
1	F	1148	HIS	2.8
1	a	1349	THR	2.8
1	b	461	THR	2.8
2	G	500	HIS	2.8
2	H	1750	LYS	2.8
1	d	708	SER	2.8
1	e	169	SER	2.8
2	G	436	SER	2.8
2	H	143	SER	2.8
2	I	1037	SER	2.8
2	J	1228	THR	2.8
2	K	1475	LYS	2.8
2	L	63	LYS	2.8
2	K	1772	SER	2.8
2	L	340	SER	2.8
2	g	56	THR	2.8
2	J	1093	ASP	2.8
2	K	87	CYS	2.8
2	g	1121	SER	2.8
2	k	317	THR	2.8
2	k	1760	THR	2.8
2	l	1740	THR	2.8
1	F	1077	ASP	2.8

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Mol	Chain	Res	Type	RSRZ
1	F	1182	ASP	2.8
1	f	1713	ASP	2.8
2	h	1610	CYS	2.8
2	k	1067	ASP	2.8
2	k	1543	ASP	2.8
2	l	1289	ASP	2.8
1	A	886	GLU	2.8
1	a	780	GLU	2.8
1	B	1591	TRP	2.8
1	D	187	LEU	2.8
1	d	402	PHE	2.8
1	d	1376	PHE	2.8
1	b	1877	GLN	2.8
1	d	28	TRP	2.8
1	d	1600	LEU	2.8
1	d	1620	GLN	2.8
1	e	221	LEU	2.8
1	f	1431	GLU	2.8
1	f	1850	GLU	2.8
2	G	172	GLU	2.8
2	J	1474	PHE	2.8
2	K	1926	GLU	2.8
2	i	1444	LEU	2.8
2	j	2014	LEU	2.8
3	Q	36	GLU	2.8
3	q	104	GLU	2.8
1	a	372	GLN	2.8
2	G	2020	GLN	2.8
2	H	2045	TRP	2.8
2	K	545	GLN	2.8
2	L	1035	TRP	2.8
3	O	30	GLN	2.8
1	B	1543	GLY	2.8
1	A	1758	ASN	2.8
1	C	1183	ARG	2.8
1	D	1805	VAL	2.8
1	E	88	ILE	2.8
1	F	442	ARG	2.8
1	a	688	ILE	2.8
1	a	1543	GLY	2.8
1	b	44	VAL	2.8
1	f	1383	GLY	2.8

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Mol	Chain	Res	Type	RSRZ
1	c	1416	ARG	2.8
1	d	1780	ASN	2.8
1	f	1518	ARG	2.8
2	H	1147	ILE	2.8
2	H	1243	ASN	2.8
2	H	1514	ASN	2.8
2	I	61	VAL	2.8
2	I	2029	VAL	2.8
2	J	1635	ARG	2.8
2	L	612	ASN	2.8
2	g	448	VAL	2.8
2	i	261	GLY	2.8
2	h	1567	ARG	2.8
2	j	343	ASN	2.8
2	k	762	ASN	2.8
3	O	87	ARG	2.8
1	C	718	TYR	2.8
1	E	1798	TYR	2.8
1	a	249	TYR	2.8
2	k	1359	MET	2.8
2	l	352	TYR	2.8
1	A	494	ALA	2.8
1	B	636	PRO	2.8
1	C	220	ALA	2.8
1	D	1407	ALA	2.8
1	e	220	ALA	2.8
1	f	494	ALA	2.8
2	H	604	PRO	2.8
2	I	396	ALA	2.8
2	I	627	ALA	2.8
2	I	1863	ALA	2.8
2	J	537	PRO	2.8
2	L	795	PRO	2.8
2	L	1508	ALA	2.8
2	L	1800	ALA	2.8
2	j	923	ALA	2.8
2	k	1365	PRO	2.8
2	l	608	ALA	2.8
1	E	728	LYS	2.8
1	c	1437	LYS	2.8
1	A	830	HIS	2.8
1	d	1852	HIS	2.8

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Mol	Chain	Res	Type	RSRZ
2	L	741	HIS	2.8
2	k	740	HIS	2.8
1	A	150	LEU	2.8
1	A	180	SER	2.8
1	A	840	SER	2.8
1	B	1536	LEU	2.8
1	C	225	SER	2.8
1	E	171	THR	2.8
1	F	52	THR	2.8
1	F	213	PHE	2.8
1	F	850	PHE	2.8
1	a	706	THR	2.8
1	c	228	LEU	2.8
1	c	415	SER	2.8
1	f	225	SER	2.8
2	G	1419	PHE	2.8
2	H	1375	THR	2.8
2	I	336	SER	2.8
2	I	1979	THR	2.8
2	J	160	PHE	2.8
2	K	1167	SER	2.8
2	L	771	PHE	2.8
2	g	733	THR	2.8
2	g	1155	LEU	2.8
2	i	265	SER	2.8
2	k	183	LEU	2.8
2	k	1397	SER	2.8
2	l	6	THR	2.8
2	l	880	LEU	2.8
2	l	1580	THR	2.8
2	l	1772	SER	2.8
1	A	1209	ASP	2.8
1	A	1712	GLU	2.8
1	B	1795	GLU	2.8
1	E	1016	GLU	2.8
1	E	1774	GLU	2.8
1	F	1085	ASP	2.8
1	b	403	ASP	2.8
1	c	193	GLU	2.8
1	b	183	GLN	2.8
1	e	649	TRP	2.8
1	e	1431	GLU	2.8

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Mol	Chain	Res	Type	RSRZ
2	G	744	GLU	2.8
2	G	1507	GLU	2.8
2	H	1908	ASP	2.8
2	K	833	GLU	2.8
2	L	1047	ASP	2.8
2	I	577	ILE	2.8
2	J	384	GLN	2.8
2	L	1052	CYS	2.8
2	i	477	GLU	2.8
2	j	437	ASP	2.8
2	j	1093	ASP	2.8
2	k	668	GLU	2.8
3	Q	104	GLU	2.8
1	A	176	VAL	2.8
1	A	331	ILE	2.8
1	B	263	GLY	2.8
1	D	739	GLN	2.8
1	E	475	GLN	2.8
1	E	740	GLY	2.8
1	a	989	GLN	2.8
1	b	433	VAL	2.8
1	b	1794	GLN	2.8
2	H	600	CYS	2.8
1	F	359	ARG	2.8
1	a	231	ARG	2.8
1	a	1840	VAL	2.8
1	c	231	ARG	2.8
1	c	239	GLY	2.8
1	c	874	GLY	2.8
1	c	1185	VAL	2.8
1	e	1853	GLY	2.8
2	H	7	ARG	2.8
2	J	470	VAL	2.8
2	J	843	ILE	2.8
2	L	1925	ILE	2.8
2	g	77	VAL	2.8
2	g	278	VAL	2.8
2	j	379	VAL	2.8
2	k	1056	GLY	2.8
2	l	488	VAL	2.8
3	M	133	VAL	2.8
3	o	8	ARG	2.8

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Mol	Chain	Res	Type	RSRZ
3	p	142	VAL	2.8
1	B	1232	TYR	2.8
1	B	1662	TYR	2.8
2	I	764	MET	2.8
2	h	132	MET	2.8
2	g	330	ASN	2.8
2	h	615	TYR	2.8
2	k	1838	MET	2.8
1	A	1517	PRO	2.8
1	C	1442	ASN	2.8
1	D	285	ALA	2.8
1	E	1116	PRO	2.8
1	E	1758	ASN	2.8
1	F	683	ALA	2.8
1	a	669	ASN	2.8
1	d	1066	ASN	2.8
1	d	1232	TYR	2.8
2	G	1089	TYR	2.8
1	d	1421	PRO	2.8
1	f	147	ALA	2.8
1	f	1421	PRO	2.8
2	G	1780	ALA	2.8
2	H	158	ALA	2.8
2	g	595	PRO	2.8
2	g	1399	ASN	2.8
2	i	1207	PRO	2.8
2	j	158	ALA	2.8
2	j	1895	ASN	2.8
2	l	1608	TYR	2.8
2	h	362	ALA	2.8
2	k	1274	PRO	2.8
2	k	2018	PRO	2.8
2	l	320	PRO	2.8
2	l	1059	ALA	2.8
1	d	996	LYS	2.8
1	e	665	LYS	2.8
2	K	1268	LYS	2.8
3	O	83	LYS	2.8
1	A	1542	HIS	2.8
1	B	1291	LEU	2.8
1	b	194	PHE	2.8
1	b	1580	LEU	2.8

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Mol	Chain	Res	Type	RSRZ
1	e	228	LEU	2.8
2	K	1352	HIS	2.8
2	g	416	PHE	2.8
2	h	1028	PHE	2.8
2	h	1964	PHE	2.8
2	i	1087	HIS	2.8
1	A	625	THR	2.8
1	A	866	GLY	2.8
1	D	1120	GLU	2.8
1	F	1400	ILE	2.8
1	F	1814	SER	2.8
1	d	863	THR	2.8
1	e	1284	SER	2.8
1	f	501	THR	2.8
1	a	635	ILE	2.8
1	a	853	TRP	2.8
1	A	923	MET	2.8
1	B	1161	GLY	2.8
1	C	1550	ASP	2.8
1	C	1635	GLY	2.8
1	C	1794	GLN	2.8
1	D	6	GLU	2.8
1	D	652	ASP	2.8
1	a	1322	GLY	2.8
1	a	1648	GLN	2.8
1	a	1773	VAL	2.8
1	b	5	VAL	2.8
1	b	1518	ARG	2.8
1	c	1277	GLU	2.8
1	c	1609	ARG	2.8
1	d	1043	GLY	2.8
1	d	1869	VAL	2.8
1	e	259	GLY	2.8
1	e	622	ILE	2.8
2	G	848	SER	2.8
1	e	1789	ARG	2.8
1	f	1654	ILE	2.8
2	G	155	GLN	2.8
2	G	785	TRP	2.8
2	H	264	ARG	2.8
2	H	368	ILE	2.8
2	H	380	SER	2.8

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Mol	Chain	Res	Type	RSRZ
2	H	603	SER	2.8
2	H	1408	SER	2.8
2	K	10	THR	2.8
2	L	1546	THR	2.8
2	I	206	GLU	2.8
2	g	1041	GLU	2.8
2	g	1585	SER	2.8
2	h	1525	SER	2.8
2	i	194	THR	2.8
2	i	942	THR	2.8
2	k	202	THR	2.8
2	l	603	SER	2.8
3	N	107	THR	2.8
3	r	107	THR	2.8
1	e	743	GLN	2.8
2	H	805	VAL	2.8
2	I	1324	ASP	2.8
2	I	1839	GLN	2.8
2	J	79	GLN	2.8
2	L	816	ASP	2.8
2	g	1669	GLN	2.8
2	h	865	TRP	2.8
2	i	1565	VAL	2.8
2	i	1860	GLY	2.8
2	j	1801	ASP	2.8
2	k	1280	ASP	2.8
3	n	134	ASP	2.8
3	p	7	ILE	2.8
2	g	1784	MET	2.8
2	k	1178	GLN	2.8
3	m	23	MET	2.8
2	I	311	TYR	2.8
1	F	770	PRO	2.8
1	a	1304	ALA	2.8
1	a	1858	ALA	2.8
1	A	798	ASN	2.8
1	B	1064	ASN	2.8
1	C	158	LYS	2.8
1	c	534	PRO	2.8
1	d	167	PRO	2.8
1	f	496	PRO	2.8
2	I	724	PRO	2.8

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Mol	Chain	Res	Type	RSRZ
2	I	746	ALA	2.8
2	I	1870	ALA	2.8
2	K	565	TYR	2.8
2	L	815	PRO	2.8
2	g	315	PRO	2.8
2	g	911	ALA	2.8
2	h	1496	LYS	2.8
2	i	997	ALA	2.8
1	F	506	ASN	2.8
1	F	829	ASN	2.8
2	G	1246	ASN	2.8
2	K	1644	ASN	2.8
2	K	1858	ASN	2.8
2	L	1148	ASN	2.8
2	k	1890	ASN	2.8
2	G	1239	LEU	2.8
1	b	1733	PHE	2.8
2	j	1103	PHE	2.8
1	D	1239	HIS	2.8
1	A	27	ARG	2.8
1	C	267	VAL	2.8
1	D	78	ILE	2.8
1	D	613	VAL	2.8
1	B	835	GLY	2.8
1	C	686	GLY	2.8
1	C	1135	GLU	2.8
1	D	1349	THR	2.8
1	a	337	VAL	2.8
1	D	1388	MET	2.8
1	D	1667	GLU	2.8
1	E	1255	SER	2.8
1	E	1650	GLY	2.8
1	E	1751	GLU	2.8
1	a	1191	THR	2.8
1	a	1360	ARG	2.8
1	a	1428	THR	2.8
1	b	41	THR	2.8
1	b	1546	THR	2.8
1	b	1777	THR	2.8
1	d	298	VAL	2.8
1	c	225	SER	2.8
1	c	832	THR	2.8

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Mol	Chain	Res	Type	RSRZ
1	f	1714	VAL	2.8
2	H	297	ARG	2.8
2	I	101	ILE	2.8
2	I	1693	ARG	2.8
2	J	1332	ARG	2.8
2	K	208	VAL	2.8
2	h	1395	THR	2.8
2	i	485	ARG	2.8
2	h	1400	GLY	2.8
2	h	1911	THR	2.8
2	i	542	GLY	2.8
2	i	935	THR	2.8
2	j	1043	VAL	2.8
2	k	1565	VAL	2.8
3	R	142	VAL	2.8
3	m	53	ILE	2.8
2	H	1455	GLU	2.8
2	H	1826	SER	2.8
2	I	62	GLY	2.8
2	J	46	GLU	2.8
2	K	794	MET	2.8
2	K	1979	THR	2.8
2	L	26	SER	2.8
2	L	680	THR	2.8
2	g	358	SER	2.8
2	g	1033	SER	2.8
2	g	1656	GLU	2.8
2	h	680	THR	2.8
2	l	492	THR	2.8
2	l	2045	TRP	2.8
3	P	144	THR	2.8
3	p	92	VAL	2.8
1	c	1650	GLY	2.8
1	d	478	GLU	2.8
1	d	983	GLN	2.8
1	e	871	TRP	2.8
1	e	1226	SER	2.8
1	e	1667	GLU	2.8
1	f	532	GLY	2.8
1	f	847	GLU	2.8
2	G	312	GLU	2.8
2	H	626	SER	2.8

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Mol	Chain	Res	Type	RSRZ
1	B	1742	ASP	2.8
1	C	1652	GLN	2.8
1	a	403	ASP	2.8
1	e	1182	ASP	2.8
2	G	1453	ASP	2.8
2	H	731	GLN	2.8
2	i	1222	GLU	2.8
2	i	1446	SER	2.8
2	j	436	SER	2.8
2	l	842	GLY	2.8
3	o	104	GLU	2.8
2	H	1852	TYR	2.8
2	I	829	ASP	2.8
2	g	1702	TYR	2.8
2	h	227	ASP	2.8
2	h	1079	ASP	2.8
2	h	1801	ASP	2.8
2	i	1346	ASP	2.8
2	j	829	ASP	2.8
1	B	1420	ALA	2.8
1	D	1437	LYS	2.8
1	F	525	TYR	2.8
1	E	1847	PRO	2.8
1	F	690	ALA	2.8
1	a	885	ALA	2.8
1	a	1548	ALA	2.8
1	b	1793	PRO	2.8
1	e	192	LYS	2.8
2	I	422	PRO	2.8
2	J	812	LYS	2.8
2	K	1125	ALA	2.8
2	h	613	ALA	2.8
2	i	49	ALA	2.8
2	i	105	ALA	2.8
2	j	1337	ALA	2.8
2	k	314	TYR	2.8
2	i	1494	PRO	2.8
2	l	382	PRO	2.8
2	l	793	PRO	2.8
2	l	1965	ALA	2.8
3	N	19	ALA	2.8
2	H	820	CYS	2.8

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Mol	Chain	Res	Type	RSRZ
2	H	1156	CYS	2.8
1	E	1594	ASN	2.8
1	F	860	ASN	2.8
1	a	1483	ASN	2.8
1	a	1610	ASN	2.8
1	f	987	ASN	2.8
2	i	2044	ASN	2.8
2	k	665	LEU	2.8
2	l	1241	ASN	2.8
3	P	56	LEU	2.8
2	j	1738	PHE	2.8
2	k	137	PHE	2.8
1	A	1563	HIS	2.8
1	E	442	ARG	2.8
1	F	769	ILE	2.8
1	F	1239	HIS	2.8
1	b	1034	ARG	2.8
1	d	1566	ARG	2.8
1	e	1573	ILE	2.8
2	J	1304	VAL	2.8
2	L	1910	VAL	2.8
2	h	1483	VAL	2.8
2	j	130	ARG	2.8
2	k	1389	ILE	2.8
2	l	419	ARG	2.8
2	l	1643	ARG	2.8
1	A	440	MET	2.8
1	C	1853	GLY	2.8
1	E	1359	GLY	2.8
1	e	901	MET	2.8
2	g	1822	MET	2.8
2	h	242	GLY	2.8
1	B	73	SER	2.8
1	B	332	THR	2.8
1	B	336	LYS	2.8
1	C	272	GLU	2.8
1	C	788	SER	2.8
1	D	1711	GLU	2.8
1	E	1092	LYS	2.8
1	E	1338	GLU	2.8
1	a	203	GLU	2.8
1	a	207	GLU	2.8

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Mol	Chain	Res	Type	RSRZ
1	a	1068	LYS	2.8
1	b	611	LYS	2.8
1	b	1081	LYS	2.8
1	b	1337	GLU	2.8
1	b	1682	LYS	2.8
1	d	406	TRP	2.8
1	e	536	THR	2.8
1	f	1048	GLU	2.8
2	G	945	THR	2.8
1	a	1794	GLN	2.8
2	G	1041	GLU	2.8
2	G	1973	SER	2.8
2	H	1673	GLU	2.8
2	J	279	THR	2.8
2	J	1498	THR	2.8
2	J	1652	THR	2.8
2	L	1145	SER	2.8
2	L	1222	GLU	2.8
2	g	849	GLU	2.8
2	g	1467	GLU	2.8
2	g	2022	THR	2.8
2	i	849	GLU	2.8
2	i	1705	SER	2.8
2	i	2046	GLU	2.8
2	k	358	SER	2.8
2	k	1049	GLN	2.8
2	k	1135	GLU	2.8
2	k	1586	SER	2.8
2	l	1422	THR	2.8
2	k	1833	TYR	2.8
2	l	275	GLN	2.8
3	O	85	SER	2.8
1	A	1527	ALA	2.8
1	c	839	TYR	2.8
1	c	1363	ALA	2.8
2	H	1299	ASP	2.8
2	H	1344	ASP	2.8
2	H	1733	TYR	2.8
2	I	683	ALA	2.8
2	J	1257	ASP	2.8
2	K	464	ASP	2.8
2	K	540	ASP	2.8

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Mol	Chain	Res	Type	RSRZ
2	L	239	PRO	2.8
2	L	1237	PRO	2.8
2	L	1708	ASP	2.8
2	g	362	ALA	2.8
2	h	167	ASP	2.8
2	i	1923	ASP	2.8
2	j	974	ASP	2.8
2	l	205	ALA	2.8
1	C	1478	PRO	2.8
1	c	1231	PRO	2.8
1	f	1130	ASP	2.8
2	G	1801	ASP	2.8
1	f	1600	LEU	2.8
1	B	992	PHE	2.8
1	E	669	ASN	2.8
1	F	1621	PHE	2.8
1	a	479	ASN	2.8
1	d	1646	PHE	2.8
2	G	450	PHE	2.8
2	H	1306	ASN	2.8
2	I	1915	ASN	2.8
2	K	1895	ASN	2.8
2	j	1052	CYS	2.8
2	j	1276	ASN	2.8
2	k	994	PHE	2.8
2	l	214	ASN	2.8
1	a	653	ARG	2.8
1	f	59	ARG	2.8
2	I	419	ARG	2.8
2	I	1335	ILE	2.8
2	K	2021	VAL	2.8
2	L	19	VAL	2.8
2	h	1742	VAL	2.8
2	j	478	ARG	2.8
2	j	1398	ARG	2.8
2	k	535	ILE	2.8
2	l	123	ILE	2.8
3	n	142	VAL	2.8
3	p	150	ILE	2.8
1	B	290	MET	2.8
1	b	1494	HIS	2.8
2	H	863	MET	2.8

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Mol	Chain	Res	Type	RSRZ
2	k	1151	HIS	2.8
3	Q	41	HIS	2.8
1	A	158	LYS	2.8
1	A	892	GLY	2.8
1	A	1574	GLY	2.8
1	F	1509	GLY	2.8
1	a	284	LYS	2.8
2	H	401	GLY	2.8
2	H	644	GLY	2.8
2	K	1675	GLY	2.8
2	L	164	GLY	2.8
2	h	1998	LYS	2.8
2	k	643	LYS	2.8
2	k	682	GLY	2.8
2	k	2047	LYS	2.8
1	D	853	TRP	2.8
1	F	871	TRP	2.8
1	B	1652	GLN	2.8
1	C	1282	THR	2.8
1	C	1482	GLN	2.8
1	C	1878	ALA	2.8
1	D	1504	ALA	2.8
1	a	1568	GLU	2.8
1	b	1026	GLU	2.8
1	b	1667	GLU	2.8
1	c	782	GLU	2.8
1	c	1429	ALA	2.8
1	d	602	GLU	2.8
1	d	654	GLN	2.8
1	f	1474	ALA	2.8
2	G	1049	GLN	2.8
2	G	2040	GLU	2.8
2	I	1102	TYR	2.8
2	J	1659	GLN	2.8
2	K	989	ALA	2.8
2	g	53	GLU	2.8
2	g	1506	TYR	2.8
2	h	345	THR	2.8
2	h	1785	GLU	2.8
2	j	1654	GLU	2.8
2	j	75	SER	2.8
2	j	336	SER	2.8

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Mol	Chain	Res	Type	RSRZ
2	j	1409	SER	2.8
2	j	1718	THR	2.8
2	k	1072	SER	2.8
3	N	47	ALA	2.8
1	A	1718	PRO	2.8
1	E	1661	LEU	2.8
1	a	921	PRO	2.8
1	e	425	LEU	2.8
1	e	1718	PRO	2.8
1	f	266	LEU	2.8
1	f	531	LEU	2.8
2	H	1207	PRO	2.8
2	I	512	LEU	2.8
2	J	590	PRO	2.8
2	K	33	LEU	2.8
2	L	1207	PRO	2.8
1	A	1772	ASP	2.8
1	C	1150	ASP	2.8
1	b	1742	ASP	2.8
1	e	1267	ASP	2.8
2	G	635	ASP	2.8
2	H	1689	ASP	2.8
2	I	1391	ASP	2.8
2	h	113	ASP	2.8
1	d	1733	PHE	2.8
2	K	1666	PHE	2.8
1	A	1398	VAL	2.7
1	A	1867	VAL	2.7
1	B	233	ILE	2.7
1	C	758	ASN	2.7
1	D	1238	VAL	2.7
1	D	1549	ASN	2.7
1	F	1360	ARG	2.7
1	F	1766	ASN	2.7
1	a	145	VAL	2.7
1	a	927	ASN	2.7
1	b	407	ASN	2.7
1	c	1070	ARG	2.7
1	c	1867	VAL	2.7
1	d	441	ASN	2.7
1	e	1066	ASN	2.7
1	e	1839	ILE	2.7

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Mol	Chain	Res	Type	RSRZ
1	f	166	ILE	2.7
1	f	1533	ILE	2.7
1	f	1036	ARG	2.7
2	G	331	ASN	2.7
2	H	1282	ARG	2.7
2	H	1351	VAL	2.7
2	I	1922	ILE	2.7
2	J	125	ASN	2.7
2	J	1166	VAL	2.7
2	J	1944	ILE	2.7
2	K	550	VAL	2.7
2	g	1058	VAL	2.7
2	j	208	VAL	2.7
2	j	1953	VAL	2.7
2	k	1710	VAL	2.7
3	R	39	ILE	2.7
3	n	13	ILE	2.7
3	n	91	ILE	2.7
2	i	1838	MET	2.7
1	D	505	LYS	2.7
1	E	1339	GLY	2.7
1	a	1886	LYS	2.7
1	c	1383	GLY	2.7
1	d	179	LYS	2.7
1	e	11	HIS	2.7
2	K	855	HIS	2.7
2	g	298	LYS	2.7
2	j	1087	HIS	2.7
1	A	391	ALA	2.7
1	F	1030	TRP	2.7
1	F	1401	TYR	2.7
1	F	1731	LEU	2.7
1	b	530	ALA	2.7
1	d	199	GLU	2.7
1	d	295	ALA	2.7
2	K	1507	GLU	2.7
2	K	1906	ALA	2.7
2	L	1655	ALA	2.7
2	g	1331	TRP	2.7
2	I	845	THR	2.7
2	I	1896	GLN	2.7
2	h	431	LEU	2.7

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Mol	Chain	Res	Type	RSRZ
2	h	1958	LEU	2.7
2	i	1980	TYR	2.7
2	j	84	LEU	2.7
2	j	319	LEU	2.7
2	j	903	TRP	2.7
2	h	833	GLU	2.7
2	j	1321	ALA	2.7
2	j	591	PRO	2.7
2	j	646	THR	2.7
2	j	1036	GLN	2.7
2	j	1416	TYR	2.7
3	N	27	GLU	2.7
3	P	54	ALA	2.7
1	b	797	THR	2.7
1	b	1399	PRO	2.7
1	d	67	SER	2.7
1	d	238	PRO	2.7
1	d	1207	GLN	2.7
1	e	20	TYR	2.7
1	f	283	ALA	2.7
2	H	452	ALA	2.7
1	e	1271	GLN	2.7
2	G	88	LEU	2.7
1	B	827	SER	2.7
1	C	706	THR	2.7
1	C	910	THR	2.7
1	C	1808	SER	2.7
1	D	636	PRO	2.7
1	D	1241	SER	2.7
1	F	1226	SER	2.7
1	a	50	SER	2.7
1	d	412	SER	2.7
1	f	230	SER	2.7
2	G	260	PRO	2.7
2	K	1909	THR	2.7
2	L	598	THR	2.7
2	g	1586	SER	2.7
2	h	361	PRO	2.7
2	h	1318	THR	2.7
2	h	1374	THR	2.7
2	i	779	PRO	2.7
2	j	317	THR	2.7

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Mol	Chain	Res	Type	RSRZ
2	k	1549	THR	2.7
2	k	1627	GLN	2.7
2	l	1957	PRO	2.7
3	r	10	PRO	2.7
1	C	1820	PHE	2.7
1	F	668	PHE	2.7
1	e	1576	PHE	2.7
2	K	625	PHE	2.7
2	g	1017	PHE	2.7
2	l	873	PHE	2.7
1	D	764	ASP	2.7
1	E	1230	ASP	2.7
1	E	1481	ASP	2.7
2	J	1370	ASP	2.7
1	A	823	ILE	2.7
1	C	988	ILE	2.7
1	b	233	ILE	2.7
1	d	153	VAL	2.7
1	e	428	VAL	2.7
1	f	630	ILE	2.7
2	G	1537	ILE	2.7
1	B	516	ARG	2.7
2	I	1877	ARG	2.7
2	J	1195	VAL	2.7
2	J	1905	ARG	2.7
2	K	478	ARG	2.7
2	l	135	ARG	2.7
2	l	1020	VAL	2.7
2	l	1472	VAL	2.7
3	o	108	VAL	2.7
1	B	479	ASN	2.7
1	D	1734	ASN	2.7
1	a	1790	ASN	2.7
1	c	158	LYS	2.7
1	d	1549	ASN	2.7
2	H	298	LYS	2.7
2	I	165	ASN	2.7
2	J	553	ASN	2.7
2	g	1995	ASN	2.7
2	i	1461	ASN	2.7
2	l	1633	ASN	2.7
1	A	1227	GLY	2.7

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Mol	Chain	Res	Type	RSRZ
1	C	740	GLY	2.7
1	F	928	GLY	2.7
1	F	1339	GLY	2.7
1	a	970	GLY	2.7
1	e	1831	GLY	2.7
2	G	1052	CYS	2.7
2	H	802	GLY	2.7
2	I	513	GLY	2.7
2	g	770	GLY	2.7
2	j	507	GLY	2.7
2	k	673	GLY	2.7
1	A	965	HIS	2.7
1	B	854	HIS	2.7
1	C	422	HIS	2.7
1	f	1100	HIS	2.7
2	G	1758	HIS	2.7
2	L	500	HIS	2.7
1	D	1600	LEU	2.7
1	E	1600	LEU	2.7
1	d	1851	LEU	2.7
1	f	149	LEU	2.7
2	G	246	LEU	2.7
2	G	1809	LEU	2.7
2	H	65	LEU	2.7
2	H	303	LEU	2.7
2	l	2014	LEU	2.7
3	P	81	LEU	2.7
3	m	81	LEU	2.7
1	c	1555	ALA	2.7
1	e	1075	TRP	2.7
1	e	1178	ALA	2.7
2	G	1814	ALA	2.7
2	I	674	TYR	2.7
2	I	1691	TRP	2.7
2	J	362	ALA	2.7
2	J	561	TRP	2.7
2	K	608	ALA	2.7
2	K	1598	ALA	2.7
2	L	1587	ALA	2.7
2	g	624	TYR	2.7
2	j	778	TYR	2.7
2	l	722	ALA	2.7

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Mol	Chain	Res	Type	RSRZ
1	A	964	GLU	2.7
1	B	1507	GLN	2.7
1	D	261	GLN	2.7
1	D	1221	GLU	2.7
1	E	1277	GLU	2.7
1	F	983	GLN	2.7
1	a	330	GLU	2.7
1	a	1517	PRO	2.7
1	b	3	PRO	2.7
1	b	217	PHE	2.7
1	d	1210	PRO	2.7
1	e	431	GLU	2.7
1	e	960	GLU	2.7
1	f	964	GLU	2.7
1	B	392	THR	2.7
1	C	863	THR	2.7
1	E	242	THR	2.7
1	F	910	THR	2.7
1	e	1749	THR	2.7
2	G	1738	PHE	2.7
2	H	1451	GLN	2.7
2	I	978	GLU	2.7
2	H	1620	THR	2.7
2	H	1752	PHE	2.7
2	I	137	PHE	2.7
2	J	34	GLN	2.7
2	K	1244	PRO	2.7
2	K	1248	PHE	2.7
2	L	677	GLN	2.7
2	L	796	PHE	2.7
2	h	335	PRO	2.7
2	i	618	GLU	2.7
2	i	1778	GLN	2.7
2	j	839	PRO	2.7
2	j	1721	PHE	2.7
2	k	506	PRO	2.7
2	l	1057	PRO	2.7
1	c	627	SER	2.7
2	G	1759	SER	2.7
2	L	476	SER	2.7
2	L	835	THR	2.7
2	g	1588	SER	2.7

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Mol	Chain	Res	Type	RSRZ
2	i	748	THR	2.7
2	i	845	THR	2.7
2	i	871	THR	2.7
2	k	69	SER	2.7
2	k	274	SER	2.7
2	l	436	SER	2.7
2	l	814	SER	2.7
1	A	298	VAL	2.7
1	E	818	ARG	2.7
1	F	355	ASP	2.7
1	F	504	ASP	2.7
1	b	769	ILE	2.7
1	c	1708	ASP	2.7
1	e	1769	VAL	2.7
2	G	1047	ASP	2.7
2	H	1338	ILE	2.7
2	I	334	VAL	2.7
2	I	602	VAL	2.7
2	J	1791	ASP	2.7
2	K	157	VAL	2.7
2	K	549	ASP	2.7
2	K	1044	VAL	2.7
2	K	1922	ILE	2.7
2	h	1312	VAL	2.7
2	i	264	ARG	2.7
2	i	1413	ARG	2.7
2	i	1472	VAL	2.7
2	j	1134	ASP	2.7
2	k	294	VAL	2.7
2	k	980	ILE	2.7
2	k	1075	ASP	2.7
1	A	146	LYS	2.7
1	B	1299	LYS	2.7
1	a	1761	LYS	2.7
1	b	64	LYS	2.7
1	b	665	LYS	2.7
1	d	293	LYS	2.7
2	L	1447	LYS	2.7
1	F	379	ASN	2.7
1	b	1834	LEU	2.7
1	d	356	ASN	2.7
1	e	876	GLY	2.7

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Mol	Chain	Res	Type	RSRZ
1	e	1768	GLY	2.7
1	f	255	GLY	2.7
2	G	388	GLY	2.7
2	G	1915	ASN	2.7
2	I	376	ASN	2.7
2	K	1983	ASN	2.7
2	L	621	GLY	2.7
2	L	1509	GLY	2.7
2	h	1478	ASN	2.7
2	h	1722	GLY	2.7
2	i	718	ASN	2.7
2	i	1927	LEU	2.7
2	j	153	ASN	2.7
2	j	505	GLY	2.7
2	l	376	ASN	2.7
1	F	11	HIS	2.7
2	J	1087	HIS	2.7
2	i	102	HIS	2.7
1	E	1136	ALA	2.7
1	F	666	ALA	2.7
1	F	1363	ALA	2.7
1	a	85	ALA	2.7
1	b	1054	ALA	2.7
1	d	812	ALA	2.7
1	d	1332	TYR	2.7
1	d	1508	TRP	2.7
1	f	646	ALA	2.7
2	G	1655	ALA	2.7
2	H	284	ALA	2.7
2	J	106	ALA	2.7
2	i	498	ALA	2.7
2	j	94	CYS	2.7
2	k	1545	TYR	2.7
2	l	820	CYS	2.7
3	R	29	ALA	2.7
3	n	54	ALA	2.7
1	A	330	GLU	2.7
1	B	1338	GLU	2.7
1	C	394	PHE	2.7
1	D	402	PHE	2.7
1	E	87	GLU	2.7
1	E	381	GLU	2.7

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Mol	Chain	Res	Type	RSRZ
1	F	921	PRO	2.7
1	F	1658	PRO	2.7
1	b	1850	GLU	2.7
1	c	8	GLU	2.7
1	e	994	GLU	2.7
1	e	1071	PRO	2.7
2	G	1658	GLU	2.7
2	i	563	GLU	2.7
2	i	976	PRO	2.7
2	j	337	PRO	2.7
2	j	491	GLU	2.7
2	k	767	PHE	2.7
2	J	1672	GLN	2.7
2	k	1432	GLN	2.7
2	l	347	GLU	2.7
2	l	810	GLU	2.7
1	B	41	THR	2.7
1	B	672	THR	2.7
1	b	1229	THR	2.7
1	c	1321	SER	2.7
1	d	26	VAL	2.7
1	d	707	THR	2.7
1	d	1546	THR	2.7
1	d	1666	THR	2.7
1	f	672	THR	2.7
2	G	259	THR	2.7
2	G	1857	ILE	2.7
1	f	27	ARG	2.7
2	G	602	VAL	2.7
2	G	1472	VAL	2.7
2	H	286	THR	2.7
2	L	123	ILE	2.7
2	L	131	ILE	2.7
2	g	127	ILE	2.7
2	I	1100	VAL	2.7
2	L	846	VAL	2.7
2	g	638	VAL	2.7
2	g	942	THR	2.7
2	g	1208	THR	2.7
2	i	587	ILE	2.7
2	j	56	THR	2.7
2	k	123	ILE	2.7

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Mol	Chain	Res	Type	RSRZ
2	l	1662	THR	2.7
1	A	405	SER	2.7
1	A	1841	ARG	2.7
1	B	1609	ARG	2.7
1	D	523	SER	2.7
1	a	43	ARG	2.7
1	A	1406	MET	2.7
1	a	146	LYS	2.7
1	d	1017	ARG	2.7
3	O	142	VAL	2.7
3	r	144	THR	2.7
2	I	1602	SER	2.7
2	I	1817	SER	2.7
2	J	803	SER	2.7
2	L	934	SER	2.7
2	g	961	SER	2.7
2	h	1235	SER	2.7
2	h	1438	SER	2.7
2	j	1761	SER	2.7
1	c	1406	MET	2.7
1	e	336	LYS	2.7
1	e	521	LYS	2.7
2	I	1268	LYS	2.7
2	h	520	LYS	2.7
2	h	756	LYS	2.7
2	k	200	ARG	2.7
1	f	168	MET	2.7
1	f	891	MET	2.7
2	h	1982	MET	2.7
3	Q	111	LYS	2.7
1	B	366	ASP	2.7
1	D	661	ASP	2.7
1	c	262	ASP	2.7
1	e	764	ASP	2.7
2	G	1458	ASP	2.7
2	J	1324	ASP	2.7
2	h	775	ASP	2.7
2	i	745	ASP	2.7
2	j	229	ASP	2.7
1	A	228	LEU	2.7
1	A	389	GLY	2.7
1	A	947	LEU	2.7

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Mol	Chain	Res	Type	RSRZ
1	B	1192	GLY	2.7
1	C	532	GLY	2.7
1	D	219	GLY	2.7
1	E	1537	GLY	2.7
1	c	188	GLY	2.7
1	e	72	LEU	2.7
1	e	287	LEU	2.7
2	G	96	LEU	2.7
2	H	468	LEU	2.7
2	H	542	GLY	2.7
2	J	512	LEU	2.7
2	J	1938	GLY	2.7
2	J	2032	LEU	2.7
2	g	648	GLY	2.7
2	h	1091	GLY	2.7
2	j	381	GLY	2.7
2	k	319	LEU	2.7
2	k	1086	LEU	2.7
2	k	1981	LEU	2.7
1	A	969	ASN	2.7
1	D	904	ASN	2.7
1	d	506	ASN	2.7
1	e	1746	ASN	2.7
2	G	99	ASN	2.7
2	J	519	ASN	2.7
2	i	1355	ASN	2.7
2	i	1915	ASN	2.7
2	k	354	ASN	2.7
2	k	1307	ASN	2.7
2	k	1561	ASN	2.7
2	l	536	ASN	2.7
1	B	1141	ALA	2.7
1	B	1432	HIS	2.7
1	D	141	ALA	2.7
1	a	1186	ALA	2.7
1	b	1508	TRP	2.7
1	b	1660	TYR	2.7
1	f	1148	HIS	2.7
2	H	1952	ALA	2.7
2	J	1055	HIS	2.7
2	J	1598	ALA	2.7
2	h	103	ALA	2.7

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Mol	Chain	Res	Type	RSRZ
2	i	280	ALA	2.7
2	i	855	HIS	2.7
2	k	249	TYR	2.7
2	k	273	HIS	2.7
3	N	4	ALA	2.7
1	C	28	TRP	2.7
2	I	490	TRP	2.7
2	J	1884	TRP	2.7
2	K	624	TYR	2.7
2	L	1411	PHE	2.7
2	k	289	TRP	2.7
2	k	653	TYR	2.7
2	k	1553	TYR	2.7
1	A	297	ILE	2.7
1	C	917	CYS	2.7
1	C	1577	GLN	2.7
1	D	1385	GLN	2.7
1	E	1484	GLU	2.7
1	c	238	PRO	2.7
2	G	241	ILE	2.7
2	G	1469	GLU	2.7
2	H	87	CYS	2.7
2	H	795	PRO	2.7
1	F	823	ILE	2.7
1	F	1276	GLN	2.7
1	a	21	GLN	2.7
1	c	1806	GLN	2.7
2	H	1829	GLU	2.7
2	I	1937	GLU	2.7
2	L	1957	PRO	2.7
2	J	1943	ILE	2.7
2	K	677	GLN	2.7
2	L	641	ILE	2.7
2	g	1146	GLU	2.7
2	i	283	ILE	2.7
2	i	457	ILE	2.7
2	j	1920	GLN	2.7
2	k	1594	GLU	2.7
2	l	1448	GLU	2.7
1	E	1771	VAL	2.7
1	F	27	ARG	2.7
1	F	1721	ARG	2.7

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Mol	Chain	Res	Type	RSRZ
1	a	1070	ARG	2.7
1	A	471	THR	2.7
1	B	236	LYS	2.7
2	I	1232	LYS	2.7
2	I	1314	ARG	2.7
2	J	844	VAL	2.7
2	I	317	THR	2.7
2	J	1175	LYS	2.7
2	K	1565	VAL	2.7
2	J	2015	THR	2.7
2	K	945	THR	2.7
2	K	1959	LYS	2.7
2	K	1998	LYS	2.7
2	h	453	LYS	2.7
2	j	1044	VAL	2.7
2	l	412	ARG	2.7
3	P	143	VAL	2.7
1	C	367	THR	2.7
1	E	1546	THR	2.7
1	b	625	THR	2.7
1	b	961	THR	2.7
1	f	290	MET	2.7
2	G	794	MET	2.7
2	H	317	THR	2.7
2	i	1463	THR	2.7
1	A	1723	SER	2.7
1	C	1294	SER	2.7
1	b	1293	SER	2.7
1	b	1683	SER	2.7
1	d	1046	SER	2.7
1	e	609	SER	2.7
2	G	196	SER	2.7
2	J	1185	SER	2.7
2	L	1409	SER	2.7
2	g	2035	SER	2.7
2	j	196	SER	2.7
2	l	405	SER	2.7
2	l	1397	SER	2.7
1	A	355	ASP	2.7
1	C	154	LEU	2.7
1	C	766	ASP	2.7
1	C	1088	ASP	2.7

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Mol	Chain	Res	Type	RSRZ
1	F	661	ASP	2.7
1	e	785	ASP	2.7
1	e	1612	ASP	2.7
2	H	461	ASP	2.7
2	I	776	ASP	2.7
2	g	303	LEU	2.7
2	g	929	LEU	2.7
2	j	1280	ASP	2.7
2	k	1004	LEU	2.7
2	l	41	LEU	2.7
1	A	1359	GLY	2.7
1	E	259	GLY	2.7
1	F	1830	GLY	2.7
1	a	892	GLY	2.7
1	b	259	GLY	2.7
1	f	1102	GLY	2.7
2	H	1558	GLY	2.7
2	J	261	GLY	2.7
2	i	62	GLY	2.7
2	j	78	GLY	2.7
2	l	1848	GLY	2.7
1	A	275	ALA	2.7
1	A	347	ALA	2.7
1	C	339	ALA	2.7
1	E	976	ALA	2.7
1	c	1855	ALA	2.7
1	e	1369	ALA	2.7
1	f	1186	ALA	2.7
2	I	1311	PHE	2.7
2	J	1655	ALA	2.7
2	L	1780	ALA	2.7
1	C	1194	ASN	2.7
1	C	1494	HIS	2.7
1	C	1549	ASN	2.7
1	C	1854	ASN	2.7
1	E	1237	TYR	2.7
1	F	90	TYR	2.7
1	c	1746	ASN	2.7
1	d	68	TYR	2.7
2	H	18	HIS	2.7
2	H	214	ASN	2.7
2	J	214	ASN	2.7

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Mol	Chain	Res	Type	RSRZ
2	K	1217	ASN	2.7
2	L	440	ASN	2.7
2	g	248	HIS	2.7
2	g	767	PHE	2.7
2	i	1856	ALA	2.7
2	g	1762	TYR	2.7
2	h	1619	ASN	2.7
3	R	46	ASN	2.7
1	A	984	PRO	2.7
1	E	496	PRO	2.7
1	c	871	TRP	2.7
1	c	1210	PRO	2.7
2	G	590	PRO	2.7
2	H	306	ILE	2.7
2	H	1441	ILE	2.7
2	I	159	ILE	2.7
2	L	426	PRO	2.7
2	g	1176	PRO	2.7
2	h	235	PRO	2.7
2	k	938	TRP	2.7
2	l	506	PRO	2.7
3	N	20	ILE	2.7
3	o	11	ILE	2.7
1	B	6	GLU	2.7
1	B	709	ARG	2.7
1	C	76	ARG	2.7
1	C	1124	GLU	2.7
1	C	1561	MET	2.7
1	E	1360	ARG	2.7
1	E	1619	GLU	2.7
1	E	1726	LYS	2.7
1	F	1398	VAL	2.7
1	F	1431	GLU	2.7
1	a	782	GLU	2.7
1	a	1849	VAL	2.7
1	b	1016	GLU	2.7
1	b	1233	GLU	2.7
1	b	1754	LYS	2.7
1	c	280	GLU	2.7
1	c	474	GLU	2.7
1	c	1016	GLU	2.7
1	c	1619	GLU	2.7

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Mol	Chain	Res	Type	RSRZ
2	G	489	LYS	2.7
2	G	834	GLN	2.7
2	G	1868	GLN	2.7
2	H	849	GLU	2.7
2	H	1825	GLU	2.7
2	H	1998	LYS	2.7
2	I	83	VAL	2.7
2	J	347	GLU	2.7
2	J	1641	GLU	2.7
2	J	1658	GLU	2.7
2	K	19	VAL	2.7
2	K	139	LYS	2.7
2	L	1031	LYS	2.7
2	g	960	LYS	2.7
2	I	1615	MET	2.7
2	K	930	MET	2.7
2	h	804	ARG	2.7
2	h	1161	GLN	2.7
2	i	1427	VAL	2.7
2	j	59	GLU	2.7
2	j	1877	ARG	2.7
2	k	404	GLN	2.7
2	k	1601	VAL	2.7
2	l	107	LYS	2.7
2	l	689	GLU	2.7
1	B	14	LEU	2.7
1	B	616	LEU	2.7
1	C	1172	THR	2.7
1	D	458	THR	2.7
1	E	634	THR	2.7
1	E	832	THR	2.7
1	a	1022	THR	2.7
1	b	616	LEU	2.7
1	c	863	THR	2.7
1	f	401	THR	2.7
1	f	1828	LEU	2.7
2	G	1085	LEU	2.7
2	G	1620	THR	2.7
2	H	56	THR	2.7
2	L	966	LEU	2.7
2	g	2015	THR	2.7
2	i	1748	THR	2.7

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Mol	Chain	Res	Type	RSRZ
2	j	115	THR	2.7
2	k	1777	THR	2.7
2	k	1960	LEU	2.7
2	l	616	THR	2.7
1	B	1872	SER	2.7
1	C	404	SER	2.7
1	D	226	SER	2.7
1	D	720	SER	2.7
1	F	879	SER	2.7
1	a	1640	SER	2.7
1	d	395	SER	2.7
2	J	969	SER	2.7
2	g	410	SER	2.7
2	g	1705	SER	2.7
2	k	1167	SER	2.7
2	k	1446	SER	2.7
1	F	876	GLY	2.7
1	a	1359	GLY	2.7
2	L	522	GLY	2.7
2	l	511	GLY	2.7
1	C	1182	ASP	2.7
1	E	1717	ASP	2.7
2	H	1708	ASP	2.7
2	J	1032	ASP	2.7
2	L	534	ASP	2.7
2	h	539	ASP	2.7
2	j	1022	ASP	2.7
2	l	521	ASP	2.7
1	A	530	ALA	2.7
1	E	690	ALA	2.7
1	e	751	PHE	2.7
2	G	1411	PHE	2.7
2	H	154	ALA	2.7
2	H	722	ALA	2.7
2	K	50	ALA	2.7
2	h	578	PHE	2.7
2	j	258	PHE	2.7
2	l	190	PHE	2.7
1	E	20	TYR	2.7
1	E	784	ILE	2.7
1	F	75	HIS	2.7
1	c	441	ASN	2.7

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Mol	Chain	Res	Type	RSRZ
1	d	769	ILE	2.7
1	d	830	HIS	2.7
2	G	169	TYR	2.7
2	H	1983	ASN	2.7
2	I	1055	HIS	2.7
2	J	1302	HIS	2.7
2	K	387	TYR	2.7
2	I	1795	LYS	2.7
2	I	1858	ASN	2.7
2	I	1888	ILE	2.7
2	K	1441	ILE	2.7
2	L	1302	HIS	2.7
2	j	249	TYR	2.7
2	j	1758	HIS	2.7
2	j	1873	TYR	2.7
3	N	109	TYR	2.7
1	B	1551	LYS	2.7
1	C	441	ASN	2.7
1	D	248	LYS	2.7
1	D	508	ASN	2.7
1	D	1835	LYS	2.7
1	D	1857	LYS	2.7
1	E	273	PRO	2.7
1	F	427	ASN	2.7
1	a	488	PRO	2.7
1	a	828	PRO	2.7
1	a	1281	ASN	2.7
2	G	268	LYS	2.7
2	G	874	ASN	2.7
2	G	1188	ASN	2.7
2	G	1270	TRP	2.7
2	H	519	ASN	2.7
2	I	448	VAL	2.7
2	I	1201	VAL	2.7
2	J	1552	PRO	2.7
2	L	856	LYS	2.7
2	L	2039	LYS	2.7
2	g	874	ASN	2.7
2	h	260	PRO	2.7
2	k	224	ASN	2.7
2	k	157	VAL	2.7
2	k	727	PRO	2.7

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Mol	Chain	Res	Type	RSRZ
2	k	1073	ILE	2.7
2	i	1140	LYS	2.7
2	k	1383	ASN	2.7
2	k	1799	PRO	2.7
2	l	451	ASN	2.7
1	b	1436	VAL	2.7
1	e	359	ARG	2.7
1	e	430	ARG	2.7
2	g	1861	ARG	2.7
2	l	174	ARG	2.7
2	l	1044	VAL	2.7
1	A	203	GLU	2.7
1	B	912	GLU	2.7
1	B	1577	GLN	2.7
1	C	143	GLU	2.7
1	C	654	GLN	2.7
1	C	1711	GLU	2.7
1	D	1040	GLU	2.7
1	E	1221	GLU	2.7
1	F	358	GLU	2.7
1	e	77	GLU	2.7
1	e	1850	GLU	2.7
1	f	1667	GLU	2.7
2	G	1811	GLU	2.7
2	H	1946	GLU	2.7
2	H	2020	GLN	2.7
2	I	197	GLU	2.7
2	I	350	GLN	2.7
2	J	110	GLN	2.7
2	J	329	GLU	2.7
2	J	1222	GLU	2.7
2	J	1451	GLN	2.7
2	J	2024	GLU	2.7
2	K	1811	GLU	2.7
2	L	1492	GLU	2.7
2	g	217	GLU	2.7
2	i	1216	GLU	2.7
2	j	1101	GLU	2.7
2	j	1379	GLU	2.7
1	a	1179	LEU	2.7
1	a	1851	LEU	2.7
1	e	930	LEU	2.7

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Mol	Chain	Res	Type	RSRZ
2	J	533	LEU	2.7
2	J	966	LEU	2.7
1	D	367	THR	2.7
1	F	60	THR	2.7
1	F	950	THR	2.7
1	a	181	THR	2.7
1	b	872	THR	2.7
1	c	1732	THR	2.7
2	g	301	THR	2.7
2	g	317	THR	2.7
2	i	1498	THR	2.7
2	i	1911	THR	2.7
3	o	18	THR	2.7
1	B	48	GLY	2.7
1	B	523	SER	2.7
1	D	627	SER	2.7
1	E	835	GLY	2.7
1	F	1778	SER	2.7
1	F	1831	GLY	2.7
1	a	1284	SER	2.7
1	a	1422	GLY	2.7
1	e	708	SER	2.7
1	f	219	GLY	2.7
2	I	322	SER	2.7
2	I	692	SER	2.7
2	L	965	SER	2.7
2	L	1703	GLY	2.7
2	L	1848	GLY	2.7
2	g	429	SER	2.7
2	i	369	SER	2.7
2	j	1231	GLY	2.7
2	k	505	GLY	2.7
1	A	1335	PHE	2.7
1	B	301	ASP	2.6
1	C	850	PHE	2.7
1	b	274	ALA	2.6
1	b	1412	ASP	2.6
1	d	141	ALA	2.6
1	f	668	PHE	2.7
2	H	1125	ALA	2.6
2	H	1248	PHE	2.7
2	I	1787	ALA	2.6

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Mol	Chain	Res	Type	RSRZ
2	L	1022	ASP	2.6
2	g	424	ALA	2.6
2	g	530	ALA	2.6
2	g	1518	ASP	2.6
2	h	1059	ALA	2.6
2	h	1820	ASP	2.6
2	i	190	PHE	2.7
2	i	452	ALA	2.6
2	i	1964	PHE	2.7
2	l	1841	ALA	2.6
2	l	1976	PHE	2.7
3	M	16	PHE	2.7
1	E	1533	ILE	2.6
1	F	1626	TYR	2.6
1	d	680	ILE	2.6
2	I	695	ILE	2.6
2	L	1922	ILE	2.6
2	g	131	ILE	2.6
2	g	1251	ILE	2.6
2	h	1918	LYS	2.6
2	j	525	VAL	2.6
2	j	856	LYS	2.6
2	j	1681	TYR	2.6
1	A	1781	VAL	2.6
1	C	253	ARG	2.6
1	D	985	ARG	2.6
1	D	1006	PRO	2.6
1	F	806	VAL	2.6
1	a	75	HIS	2.6
1	d	1592	MET	2.6
1	e	853	TRP	2.6
2	G	23	PRO	2.6
2	G	1434	HIS	2.6
1	A	758	ASN	2.6
1	a	1377	MET	2.6
2	H	589	ARG	2.6
2	H	661	TRP	2.6
2	i	335	PRO	2.6
2	i	1742	VAL	2.6
2	k	556	LYS	2.6
3	N	7	ILE	2.6
2	H	1974	VAL	2.6

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Mol	Chain	Res	Type	RSRZ
2	I	1267	TRP	2.6
2	J	239	PRO	2.6
2	J	1048	VAL	2.6
3	P	140	VAL	2.6
3	m	55	LYS	2.6
2	I	1246	ASN	2.6
2	I	1319	MET	2.6
2	L	487	PRO	2.6
2	g	226	PRO	2.6
2	g	1200	PRO	2.6
2	j	57	PRO	2.6
2	k	1445	ARG	2.6
1	d	407	ASN	2.6
1	d	927	ASN	2.6
1	e	441	ASN	2.6
2	k	316	ASN	2.6
2	l	1476	ASN	2.6
1	A	1487	LEU	2.6
1	B	964	GLU	2.6
1	D	522	LEU	2.6
1	B	1336	GLN	2.6
1	D	809	GLN	2.6
1	E	224	GLN	2.6
1	E	1132	GLU	2.6
1	E	1568	GLU	2.6
1	F	362	LEU	2.6
1	F	821	GLN	2.6
1	F	1124	GLU	2.6
1	a	32	GLN	2.6
1	a	979	GLN	2.6
1	b	1221	GLU	2.6
1	c	87	GLU	2.6
1	f	1124	GLU	2.6
1	f	1751	GLU	2.6
2	H	1617	LEU	2.6
2	K	245	GLN	2.6
2	L	79	GLN	2.6
2	h	262	GLU	2.6
2	k	1424	GLN	2.6
2	k	1469	GLU	2.6
2	k	1617	LEU	2.6
2	k	1036	GLN	2.6

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Mol	Chain	Res	Type	RSRZ
2	k	1785	GLU	2.6
2	l	346	GLN	2.6
1	B	1172	THR	2.6
1	C	259	GLY	2.6
1	E	1651	GLY	2.6
1	F	212	THR	2.6
1	F	1546	THR	2.6
1	c	1544	THR	2.6
1	d	950	THR	2.6
1	d	1074	GLY	2.6
1	f	197	THR	2.6
2	H	1056	GLY	2.6
2	H	1879	GLY	2.6
2	J	363	GLY	2.6
2	I	299	ALA	2.6
2	I	1190	SER	2.6
2	J	1423	PHE	2.6
2	K	1774	THR	2.6
2	g	115	THR	2.6
2	j	959	THR	2.6
2	l	119	THR	2.6
2	l	909	GLY	2.6
1	A	1226	SER	2.6
1	A	1855	ALA	2.6
1	B	951	SER	2.6
1	B	1061	SER	2.6
1	C	24	SER	2.6
1	C	1646	PHE	2.6
1	C	1033	ALA	2.6
1	D	791	ALA	2.6
1	D	1096	SER	2.6
1	E	737	PHE	2.6
1	F	941	ALA	2.6
1	F	1340	SER	2.6
1	d	404	SER	2.6
1	f	241	PHE	2.6
1	d	1833	ALA	2.6
1	e	1033	ALA	2.6
1	f	1293	SER	2.6
1	f	1504	ALA	2.6
2	H	510	SER	2.6
2	H	687	SER	2.6

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Mol	Chain	Res	Type	RSRZ
2	g	295	SER	2.6
2	g	1584	PHE	2.6
2	j	1311	PHE	2.6
2	k	950	PHE	2.6
2	L	105	ALA	2.6
2	j	608	ALA	2.6
2	l	691	ALA	2.6
1	A	764	ASP	2.6
1	B	769	ILE	2.6
1	B	1835	LYS	2.6
1	B	1866	ASP	2.6
1	C	1717	ASP	2.6
1	E	142	ASP	2.6
1	E	500	LYS	2.6
1	c	1086	ASP	2.6
1	d	47	ILE	2.6
1	f	47	ILE	2.6
2	G	464	ASP	2.6
2	I	169	TYR	2.6
2	K	503	ASP	2.6
2	K	977	ASP	2.6
2	L	126	TYR	2.6
2	g	1479	ILE	2.6
2	h	1521	LYS	2.6
2	j	520	LYS	2.6
2	j	1075	ASP	2.6
2	j	1370	ASP	2.6
2	k	706	LYS	2.6
2	k	1245	ASP	2.6
2	l	314	TYR	2.6
3	Q	134	ASP	2.6
1	A	1362	PRO	2.6
1	C	1657	HIS	2.6
1	F	157	HIS	2.6
1	a	1251	MET	2.6
1	a	1399	PRO	2.6
1	c	1515	ARG	2.6
1	b	265	LEU	2.6
2	G	806	MET	2.6
2	J	804	ARG	2.6
2	H	1939	HIS	2.6
2	I	1884	TRP	2.6

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Mol	Chain	Res	Type	RSRZ
2	K	1057	PRO	2.6
2	L	1004	LEU	2.6
2	g	1434	HIS	2.6
2	h	239	PRO	2.6
2	j	630	MET	2.6
2	j	707	PRO	2.6
2	j	753	MET	2.6
3	p	8	ARG	2.6
1	A	271	ASN	2.6
1	A	860	ASN	2.6
1	D	1558	ASN	2.6
1	E	987	ASN	2.6
1	c	882	ASN	2.6
1	d	427	ASN	2.6
1	f	860	ASN	2.6
1	f	1766	ASN	2.6
2	I	655	ASN	2.6
2	J	1514	ASN	2.6
2	h	718	ASN	2.6
2	l	354	ASN	2.6
3	P	139	ASN	2.6
1	A	952	GLU	2.6
1	A	1577	GLN	2.6
1	B	381	GLU	2.6
1	B	612	GLU	2.6
1	C	202	GLU	2.6
1	D	1782	GLU	2.6
1	F	1107	GLU	2.6
1	a	1484	GLU	2.6
1	b	739	GLN	2.6
1	b	1310	GLU	2.6
1	d	1380	GLN	2.6
1	e	1016	GLU	2.6
1	f	1757	GLU	2.6
2	G	920	GLU	2.6
2	G	1178	GLN	2.6
2	H	1749	GLU	2.6
2	I	677	GLN	2.6
2	I	1688	GLN	2.6
2	J	744	GLU	2.6
2	g	1868	GLN	2.6
2	i	1101	GLU	2.6

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Mol	Chain	Res	Type	RSRZ
2	i	1961	GLU	2.6
1	B	1644	PHE	2.6
1	B	1863	GLY	2.6
1	D	1621	PHE	2.6
1	b	834	GLY	2.6
1	f	814	GLY	2.6
2	H	1776	PHE	2.6
2	L	1062	PHE	2.6
2	L	1666	PHE	2.6
2	g	1941	PHE	2.6
2	k	1104	GLY	2.6
2	k	1369	GLY	2.6
1	A	772	ALA	2.6
1	B	57	ALA	2.6
1	B	1801	ALA	2.6
1	C	1735	SER	2.6
1	D	82	SER	2.6
1	D	1002	LYS	2.6
1	D	1611	ALA	2.6
1	F	158	LYS	2.6
1	F	268	ALA	2.6
1	F	727	ALA	2.6
1	F	1640	SER	2.6
1	F	1833	ALA	2.6
1	F	1859	ALA	2.6
1	b	497	THR	2.6
1	b	1022	THR	2.6
1	b	1816	LYS	2.6
1	d	64	LYS	2.6
1	d	1141	ALA	2.6
1	d	1815	ALA	2.6
2	G	10	THR	2.6
1	e	1884	SER	2.6
2	G	1593	ILE	2.6
2	G	1998	LYS	2.6
2	H	259	THR	2.6
2	H	1337	ALA	2.6
2	H	1495	THR	2.6
2	H	1682	LYS	2.6
2	H	1979	THR	2.6
2	K	532	THR	2.6
2	I	814	SER	2.6

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Mol	Chain	Res	Type	RSRZ
2	J	1408	SER	2.6
2	L	568	LYS	2.6
2	L	923	ALA	2.6
2	L	1408	SER	2.6
2	g	234	ILE	2.6
2	h	1864	ALA	2.6
2	i	979	ALA	2.6
2	j	1773	ALA	2.6
2	l	721	LYS	2.6
2	l	1570	ALA	2.6
3	N	83	LYS	2.6
3	n	112	THR	2.6
2	k	714	SER	2.6
1	A	480	CYS	2.6
1	A	526	VAL	2.6
1	A	671	VAL	2.6
1	B	1722	VAL	2.6
1	E	1020	VAL	2.6
1	F	1447	TYR	2.6
1	F	1798	TYR	2.6
1	B	84	ASP	2.6
1	C	764	ASP	2.6
1	C	925	ASP	2.6
1	C	1875	ASP	2.6
1	D	716	ASP	2.6
1	D	1593	MET	2.6
1	a	442	ARG	2.6
1	c	89	TYR	2.6
1	c	430	ARG	2.6
1	d	90	TYR	2.6
1	d	396	ARG	2.6
1	d	1237	TYR	2.6
1	d	1655	VAL	2.6
1	f	653	ARG	2.6
2	G	1693	ARG	2.6
2	I	1181	VAL	2.6
2	K	1298	TYR	2.6
2	L	1007	CYS	2.6
2	L	1555	ARG	2.6
2	L	2021	VAL	2.6
2	j	126	TYR	2.6
1	D	825	PRO	2.6

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Mol	Chain	Res	Type	RSRZ
1	E	770	PRO	2.6
1	a	925	ASP	2.6
1	c	1077	ASP	2.6
1	c	1550	ASP	2.6
1	d	661	ASP	2.6
1	d	909	LEU	2.6
1	c	1813	TRP	2.6
1	d	911	PRO	2.6
1	e	353	ASP	2.6
2	H	597	MET	2.6
2	H	1331	TRP	2.6
2	I	54	PRO	2.6
2	I	659	LEU	2.6
2	I	964	LEU	2.6
2	J	797	ASP	2.6
2	K	486	LEU	2.6
2	L	914	LEU	2.6
2	L	1854	MET	2.6
2	k	485	ARG	2.6
2	l	338	MET	2.6
3	m	48	ARG	2.6
1	e	1083	PRO	2.6
1	e	1085	ASP	2.6
1	f	459	ASP	2.6
2	J	1564	HIS	2.6
2	L	1488	PRO	2.6
2	h	902	PRO	2.6
2	l	540	ASP	2.6
1	E	853	TRP	2.6
1	F	1542	HIS	2.6
2	i	1331	TRP	2.6
1	A	1107	GLU	2.6
1	a	912	GLU	2.6
1	a	1774	GLU	2.6
1	b	1483	ASN	2.6
1	b	1577	GLN	2.6
1	c	1702	GLU	2.6
1	e	208	GLU	2.6
1	e	698	GLN	2.6
1	e	949	GLU	2.6
1	f	1608	ASN	2.6
2	H	2036	GLU	2.6

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Mol	Chain	Res	Type	RSRZ
2	H	2040	GLU	2.6
2	I	650	ASN	2.6
2	I	1892	ASN	2.6
2	J	1355	ASN	2.6
2	K	1790	GLU	2.6
2	h	985	ASN	2.6
2	h	1514	ASN	2.6
2	i	43	GLU	2.6
2	i	1895	ASN	2.6
2	j	519	ASN	2.6
2	k	1068	GLU	2.6
2	k	1216	GLU	2.6
2	k	1478	ASN	2.6
1	B	394	PHE	2.6
1	D	835	GLY	2.6
1	F	1149	GLY	2.6
1	c	1359	GLY	2.6
1	f	831	GLY	2.6
2	G	851	GLY	2.6
2	H	1524	GLY	2.6
2	I	48	PHE	2.6
2	J	1853	GLY	2.6
2	i	416	PHE	2.6
2	l	771	PHE	2.6
1	C	1871	ILE	2.6
1	E	646	ALA	2.6
1	E	1578	LYS	2.6
1	F	1519	ILE	2.6
1	e	12	ILE	2.6
1	f	1019	ILE	2.6
2	G	1805	ALA	2.6
2	H	672	LYS	2.6
2	I	25	ALA	2.6
2	I	483	ILE	2.6
2	I	2047	LYS	2.6
2	g	722	ALA	2.6
2	j	1125	ALA	2.6
2	j	1687	ALA	2.6
2	k	2004	ALA	2.6
2	l	362	ALA	2.6
3	Q	11	ILE	2.6
1	A	43	ARG	2.6

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Mol	Chain	Res	Type	RSRZ
1	A	1427	THR	2.6
1	A	1428	THR	2.6
1	C	1254	VAL	2.6
1	D	601	VAL	2.6
1	D	1732	THR	2.6
1	F	1329	VAL	2.6
1	a	950	THR	2.6
1	b	906	LEU	2.6
1	c	76	ARG	2.6
1	c	267	VAL	2.6
1	e	1771	VAL	2.6
1	f	848	THR	2.6
2	I	45	THR	2.6
2	I	1770	LEU	2.6
2	K	61	VAL	2.6
2	g	525	VAL	2.6
2	g	1662	THR	2.6
2	i	187	LEU	2.6
2	j	1842	VAL	2.6
2	j	2021	VAL	2.6
2	k	1395	THR	2.6
2	k	1862	VAL	2.6
2	l	942	THR	2.6
2	l	1624	THR	2.6
1	C	972	SER	2.6
1	D	20	TYR	2.6
1	D	1226	SER	2.6
1	F	249	TYR	2.6
1	a	225	SER	2.6
1	a	302	LEU	2.6
1	c	234	SER	2.6
1	c	523	SER	2.6
1	c	909	LEU	2.6
1	c	947	LEU	2.6
1	e	165	SER	2.6
2	G	69	SER	2.6
2	G	1167	SER	2.6
2	G	1269	LEU	2.6
2	G	1625	SER	2.6
2	H	195	LEU	2.6
2	H	502	LEU	2.6
2	I	70	SER	2.6

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Mol	Chain	Res	Type	RSRZ
2	J	1705	SER	2.6
2	L	198	LEU	2.6
2	L	249	TYR	2.6
2	L	1705	SER	2.6
2	L	1907	LEU	2.6
2	g	1746	LEU	2.6
3	m	143	VAL	2.6
2	h	934	SER	2.6
2	i	597	MET	2.6
2	i	1702	TYR	2.6
2	j	318	SER	2.6
2	j	773	SER	2.6
2	k	1037	SER	2.6
2	k	1145	SER	2.6
3	Q	45	SER	2.6
3	q	85	SER	2.6
3	q	138	SER	2.6
1	F	92	PRO	2.6
2	G	976	PRO	2.6
2	I	707	PRO	2.6
2	J	260	PRO	2.6
2	j	1169	PRO	2.6
2	k	1207	PRO	2.6
2	k	1552	PRO	2.6
1	C	785	ASP	2.6
1	b	355	ASP	2.6
1	d	189	ASP	2.6
1	e	376	ASP	2.6
1	e	1668	ASP	2.6
2	G	1700	ASP	2.6
2	H	832	TRP	2.6
2	K	289	TRP	2.6
2	K	999	ASP	2.6
2	g	1758	HIS	2.6
2	h	461	ASP	2.6
2	h	1055	HIS	2.6
2	i	289	TRP	2.6
2	k	81	ASP	2.6
3	o	134	ASP	2.6
1	B	1026	GLU	2.6
1	C	829	ASN	2.6
1	C	931	GLN	2.6

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Mol	Chain	Res	Type	RSRZ
1	D	915	GLU	2.6
1	E	6	GLU	2.6
1	F	989	GLN	2.6
1	F	1702	GLU	2.6
1	c	979	GLN	2.6
1	d	1468	GLU	2.6
1	e	896	PHE	2.6
1	e	1512	PHE	2.6
1	A	1589	GLY	2.6
1	A	1106	ILE	2.6
1	D	1726	LYS	2.6
1	E	1381	GLY	2.6
1	F	1252	GLY	2.6
1	d	686	GLY	2.6
1	e	1780	ASN	2.6
1	e	1854	ASN	2.6
2	G	718	ASN	2.6
2	J	1804	PHE	2.6
2	K	348	GLN	2.6
2	I	1929	LYS	2.6
2	J	1806	GLY	2.6
2	K	207	LYS	2.6
2	K	388	GLY	2.6
2	K	718	ASN	2.6
2	K	1068	GLU	2.6
2	K	1778	GLN	2.6
2	K	1894	GLU	2.6
2	L	1291	GLU	2.6
2	L	1677	GLY	2.6
2	h	153	ASN	2.6
2	h	1476	ASN	2.6
2	i	32	GLN	2.6
2	i	220	GLU	2.6
2	i	696	GLU	2.6
2	i	1523	ASN	2.6
2	i	1749	GLU	2.6
2	j	1469	GLU	2.6
2	k	1306	ASN	2.6
2	l	1276	ASN	2.6
2	l	1644	ASN	2.6
1	E	166	ILE	2.6
1	F	1763	LYS	2.6

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Mol	Chain	Res	Type	RSRZ
1	b	823	ILE	2.6
1	b	1118	LYS	2.6
1	d	1754	LYS	2.6
1	f	37	LYS	2.6
1	f	284	LYS	2.6
2	H	241	ILE	2.6
2	H	1986	LYS	2.6
2	L	1210	ILE	2.6
2	g	1147	ILE	2.6
2	i	127	ILE	2.6
2	i	556	LYS	2.6
1	B	812	ALA	2.6
1	C	948	VAL	2.6
1	C	1225	ALA	2.6
1	D	962	ALA	2.6
1	F	773	ALA	2.6
1	A	653	ARG	2.6
1	E	653	ARG	2.6
1	E	1849	VAL	2.6
1	F	281	ALA	2.6
1	a	153	VAL	2.6
1	c	1457	ALA	2.6
1	e	409	ALA	2.6
1	e	1639	VAL	2.6
1	f	976	ALA	2.6
2	G	251	VAL	2.6
1	a	795	MET	2.6
2	H	944	ARG	2.6
2	H	1728	ARG	2.6
2	J	1818	LEU	2.6
2	K	349	VAL	2.6
2	K	1143	ALA	2.6
2	K	1442	ALA	2.6
2	L	1427	VAL	2.6
2	L	1931	LEU	2.6
2	g	1459	LEU	2.6
2	g	1970	VAL	2.6
2	i	158	ALA	2.6
2	i	817	ALA	2.6
2	i	1886	VAL	2.6
2	j	184	VAL	2.6
2	j	240	LEU	2.6

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Mol	Chain	Res	Type	RSRZ
2	j	1015	VAL	2.6
3	M	4	ALA	2.6
2	I	266	TYR	2.6
2	J	850	MET	2.6
2	i	249	TYR	2.6
2	j	624	TYR	2.6
2	k	930	MET	2.6
2	k	1398	ARG	2.6
3	R	8	ARG	2.6
1	A	875	THR	2.6
1	D	1372	THR	2.6
1	a	1370	THR	2.6
1	f	212	THR	2.6
2	I	1803	THR	2.6
2	J	1495	THR	2.6
2	J	1701	THR	2.6
2	g	1891	TYR	2.6
1	A	1870	SER	2.6
1	D	1255	SER	2.6
1	E	415	SER	2.6
1	F	1434	SER	2.6
1	a	1705	PRO	2.6
1	b	144	PRO	2.6
1	b	1362	PRO	2.6
1	d	3	PRO	2.6
1	f	1201	SER	2.6
2	G	1190	SER	2.6
2	H	5	SER	2.6
2	L	590	PRO	2.6
2	L	1482	SER	2.6
2	g	426	PRO	2.6
2	h	552	SER	2.6
2	k	773	SER	2.6
2	l	31	SER	2.6
2	l	902	PRO	2.6
2	l	934	SER	2.6
2	l	1600	SER	2.6
1	B	1148	HIS	2.6
1	F	1703	HIS	2.6
1	b	353	ASP	2.6
1	b	1461	ASP	2.6
1	c	189	ASP	2.6

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Mol	Chain	Res	Type	RSRZ
1	e	1153	ASP	2.6
1	f	38	ASP	2.6
2	I	1045	ASP	2.6
2	K	1391	ASP	2.6
2	h	359	HIS	2.6
2	i	1280	ASP	2.6
2	j	723	HIS	2.6
2	k	977	ASP	2.6
3	q	134	ASP	2.6
1	D	1644	PHE	2.6
1	a	1485	PHE	2.6
1	c	194	PHE	2.6
1	c	361	PHE	2.6
1	e	1791	PHE	2.6
2	I	1519	PHE	2.6
2	J	1174	PHE	2.6
2	L	27	PHE	2.6
2	l	304	PHE	2.6
2	l	1311	PHE	2.6
1	A	372	GLN	2.6
1	A	431	GLU	2.6
1	A	928	GLY	2.6
1	B	293	LYS	2.6
1	C	970	GLY	2.6
1	D	178	GLY	2.6
1	D	807	LYS	2.6
1	F	263	GLY	2.6
1	F	1188	GLN	2.6
1	b	272	GLU	2.6
1	b	514	GLU	2.6
1	b	1431	GLU	2.6
1	c	1774	GLU	2.6
1	d	1048	GLU	2.6
1	e	662	GLY	2.6
1	f	211	GLU	2.6
1	f	1619	GLU	2.6
1	f	1802	GLN	2.6
1	e	1837	ILE	2.6
1	f	1831	GLY	2.6
2	G	1723	GLY	2.6
2	G	1999	GLU	2.6
2	H	46	GLU	2.6

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Mol	Chain	Res	Type	RSRZ
2	H	111	GLU	2.6
2	H	348	GLN	2.6
2	H	1268	LYS	2.6
2	I	1175	LYS	2.6
2	I	1264	GLU	2.6
2	J	1577	GLY	2.6
2	K	1049	GLN	2.6
2	g	696	GLU	2.6
2	g	1161	GLN	2.6
2	i	662	GLY	2.6
2	j	1061	GLN	2.6
2	j	1088	GLN	2.6
2	j	1424	GLN	2.6
2	i	153	ASN	2.6
2	j	236	ILE	2.6
2	j	1971	GLY	2.6
2	k	1288	LYS	2.6
2	l	1101	GLU	2.6
2	l	1172	LYS	2.6
3	r	88	GLU	2.6
1	C	388	ASN	2.6
1	F	184	ASN	2.6
1	a	860	ASN	2.6
1	a	881	ASN	2.6
1	d	1245	ASN	2.6
2	K	1595	ASN	2.6
2	g	1851	ASN	2.6
2	h	1241	ASN	2.6
2	j	1226	ASN	2.6
2	k	457	ILE	2.6
1	A	1405	ALA	2.6
1	B	387	VAL	2.6
1	D	1173	LEU	2.6
1	A	1283	MET	2.6
1	E	520	ARG	2.6
1	b	1833	ALA	2.6
1	c	277	LEU	2.6
1	e	253	ARG	2.6
1	e	923	MET	2.6
1	e	1034	ARG	2.6
1	e	1618	LEU	2.6
1	f	1404	VAL	2.6

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Mol	Chain	Res	Type	RSRZ
2	G	518	ARG	2.6
2	H	117	VAL	2.6
2	H	377	LEU	2.6
2	H	654	VAL	2.6
2	H	886	ALA	2.6
2	H	1459	LEU	2.6
2	I	148	ALA	2.6
2	I	374	ALA	2.6
2	I	665	LEU	2.6
2	I	1913	VAL	2.6
2	i	751	LEU	2.6
2	j	60	LEU	2.6
2	j	609	ALA	2.6
2	j	912	ARG	2.6
2	j	1452	LEU	2.6
2	k	84	LEU	2.6
2	l	1442	ALA	2.6
2	L	1838	MET	2.6
2	l	1255	MET	2.6
2	j	653	TYR	2.6
1	B	212	THR	2.6
1	a	1035	THR	2.6
1	a	1409	THR	2.6
1	b	634	THR	2.6
1	e	1282	THR	2.6
2	H	1546	THR	2.6
2	H	1718	THR	2.6
2	I	369	SER	2.6
2	I	656	PRO	2.6
2	J	1437	THR	2.6
2	K	680	THR	2.6
2	L	813	THR	2.6
2	g	1911	THR	2.6
2	J	69	SER	2.6
2	L	1313	SER	2.6
2	g	143	SER	2.6
2	g	405	SER	2.6
2	g	686	PRO	2.6
2	j	286	THR	2.6
2	j	487	PRO	2.6
2	j	492	THR	2.6
2	j	1979	THR	2.6

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Mol	Chain	Res	Type	RSRZ
1	C	827	SER	2.6
1	a	73	SER	2.6
1	a	1540	SER	2.6
1	d	628	SER	2.6
1	f	1206	SER	2.6
1	f	1226	SER	2.6
2	k	1153	SER	2.6
1	f	1813	TRP	2.6
1	A	783	HIS	2.6
1	C	492	ASP	2.6
1	C	833	PHE	2.6
1	E	668	PHE	2.6
1	b	1563	HIS	2.6
1	b	742	LYS	2.6
1	c	500	LYS	2.6
1	c	1866	ASP	2.6
1	d	1763	LYS	2.6
1	e	737	PHE	2.6
2	G	186	ASP	2.6
2	G	999	ASP	2.6
2	G	1423	PHE	2.6
2	G	1568	HIS	2.6
2	G	1581	HIS	2.6
2	i	1151	HIS	2.6
1	E	1874	ASP	2.6
1	F	611	LYS	2.6
1	e	754	ASP	2.6
2	G	1647	ASP	2.6
2	G	1791	ASP	2.6
2	G	1903	ASP	2.6
2	H	1454	ASP	2.6
2	I	1462	LYS	2.6
2	K	538	ASP	2.6
2	K	889	ASP	2.6
2	K	1245	ASP	2.6
2	L	355	LYS	2.6
2	L	877	LYS	2.6
2	h	467	ASP	2.6
2	h	489	LYS	2.6
2	j	977	ASP	2.6
2	k	120	LYS	2.6
2	k	1242	PHE	2.6

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Mol	Chain	Res	Type	RSRZ
2	k	1391	ASP	2.6
2	k	1750	LYS	2.6
1	B	874	GLY	2.6
1	B	1788	GLU	2.6
1	C	1204	ILE	2.6
1	C	909	LEU	2.6
1	C	1861	GLU	2.6
1	D	743	GLN	2.6
1	D	947	LEU	2.6
1	D	1338	GLU	2.6
1	F	1712	GLU	2.6
1	F	1824	GLY	2.6
1	b	1322	GLY	2.6
1	c	151	LEU	2.6
1	c	1117	GLU	2.6
1	d	809	GLN	2.6
1	d	1259	GLY	2.6
1	e	713	GLN	2.6
1	f	774	ILE	2.6
1	f	1543	GLY	2.6
2	G	1271	ILE	2.6
1	A	604	ALA	2.6
1	A	667	ALA	2.6
1	A	1469	ALA	2.6
1	C	465	ASN	2.6
1	C	494	ALA	2.6
1	C	1815	ALA	2.6
1	D	614	ALA	2.6
1	D	1436	VAL	2.6
1	a	206	LEU	2.6
1	a	476	LEU	2.6
2	G	1627	GLN	2.6
2	G	1869	GLU	2.6
2	H	1502	GLY	2.6
2	I	663	ILE	2.6
2	J	14	GLY	2.6
2	J	1855	ILE	2.6
2	J	1919	LEU	2.6
2	K	715	GLN	2.6
2	K	1394	GLY	2.6
2	i	36	GLN	2.6
2	i	1811	GLU	2.6

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Mol	Chain	Res	Type	RSRZ
2	j	511	GLY	2.6
1	D	1525	ALA	2.6
1	D	1655	VAL	2.6
1	b	1832	ALA	2.6
1	c	891	MET	2.6
1	d	1515	ARG	2.6
1	e	714	VAL	2.6
2	G	1919	LEU	2.6
2	h	1382	VAL	2.6
2	j	116	LEU	2.6
2	j	1260	GLN	2.6
2	j	1674	GLN	2.6
2	l	708	GLY	2.6
2	H	1644	ASN	2.6
2	H	1780	ALA	2.6
2	I	280	ALA	2.6
2	J	1249	ALA	2.6
2	J	1694	ALA	2.6
2	K	158	ALA	2.6
2	K	470	VAL	2.6
2	K	1523	ASN	2.6
2	K	1649	VAL	2.6
2	g	846	VAL	2.6
2	g	1617	LEU	2.6
2	k	431	LEU	2.6
2	l	1106	GLU	2.6
3	r	15	GLU	2.6
1	F	791	ALA	2.6
2	G	526	ARG	2.6
2	J	1323	MET	2.6
2	K	655	ASN	2.6
2	L	106	ALA	2.6
2	i	536	ASN	2.6
2	j	1255	MET	2.6
2	j	1890	ASN	2.6
2	k	527	VAL	2.6
2	k	1243	ASN	2.6
1	d	1529	TYR	2.6
2	g	1416	TYR	2.6
2	k	1240	TYR	2.6
1	A	1666	THR	2.6
1	B	144	PRO	2.6

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Mol	Chain	Res	Type	RSRZ
1	C	196	THR	2.6
1	D	610	THR	2.6
1	E	458	THR	2.6
1	c	681	THR	2.6
1	f	1349	THR	2.6
2	L	399	PRO	2.6
2	L	1160	THR	2.6
2	L	1281	PRO	2.6
2	g	1281	PRO	2.6
2	i	1620	THR	2.6
2	j	1051	THR	2.6
2	k	1402	PRO	2.6
2	l	1169	PRO	2.6
1	A	1591	TRP	2.5
1	B	611	LYS	2.5
1	C	1201	SER	2.5
1	C	1814	SER	2.5
1	E	470	LYS	2.5
1	E	609	SER	2.5
1	F	180	SER	2.5
1	a	1032	SER	2.5
1	a	1075	TRP	2.5
1	b	1628	SER	2.5
1	e	687	SER	2.5
2	G	380	SER	2.5
2	G	1823	SER	2.5
2	J	756	LYS	2.5
2	K	436	SER	2.5
2	K	1636	LYS	2.5
2	h	873	PHE	2.5
2	i	80	PHE	2.5
2	j	578	PHE	2.5
2	k	1191	SER	2.5
3	m	85	SER	2.5
1	A	1493	ILE	2.5
1	C	297	ILE	2.5
1	A	240	GLY	2.5
1	B	178	GLY	2.5
1	C	600	ASP	2.5
1	C	906	LEU	2.5
1	D	1182	ASP	2.5
1	F	1088	ASP	2.5

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Mol	Chain	Res	Type	RSRZ
1	b	459	ASP	2.5
2	H	1945	ASP	2.5
2	I	1104	GLY	2.5
2	J	150	GLY	2.5
2	K	481	ASP	2.5
2	g	461	ASP	2.5
2	g	1310	ASP	2.5
2	g	1344	ASP	2.5
2	h	745	ASP	2.5
2	i	1147	ILE	2.5
2	h	1582	GLY	2.5
2	j	287	ASP	2.5
2	l	1741	ILE	2.5
1	d	929	GLY	2.5
1	d	970	GLY	2.5
1	e	74	LEU	2.5
1	e	355	ASP	2.5
2	G	363	GLY	2.5
2	G	442	ASP	2.5
1	A	8	GLU	2.5
1	A	1773	VAL	2.5
1	A	283	ALA	2.5
1	D	666	ALA	2.5
1	D	1518	ARG	2.5
1	E	773	ALA	2.5
1	F	10	ALA	2.5
1	F	1364	GLU	2.5
1	a	960	GLU	2.5
1	a	1048	GLU	2.5
1	b	260	ARG	2.5
1	b	1714	VAL	2.5
1	c	530	ALA	2.5
1	c	1082	GLU	2.5
1	c	1838	GLU	2.5
1	d	208	GLU	2.5
1	f	298	VAL	2.5
1	e	1882	ALA	2.5
1	f	4	GLU	2.5
1	f	70	ALA	2.5
1	f	1120	GLU	2.5
2	G	1398	ARG	2.5
2	H	334	VAL	2.5

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Mol	Chain	Res	Type	RSRZ
2	H	411	GLU	2.5
2	H	1058	VAL	2.5
1	a	1504	ALA	2.5
1	d	1858	ALA	2.5
2	I	1627	GLN	2.5
2	K	1942	GLU	2.5
2	L	92	GLU	2.5
2	g	594	VAL	2.5
2	g	1264	GLU	2.5
2	g	2021	VAL	2.5
2	h	550	VAL	2.5
2	h	1601	VAL	2.5
2	h	1896	GLN	2.5
2	j	1830	VAL	2.5
2	k	1829	GLU	2.5
2	l	1659	GLN	2.5
2	l	1952	ALA	2.5
3	m	27	GLU	2.5
2	I	820	CYS	2.5
2	K	597	MET	2.5
1	D	479	ASN	2.5
1	d	1608	ASN	2.5
2	I	330	ASN	2.5
2	k	1415	ASN	2.5
2	k	1995	ASN	2.5
3	M	37	ASN	2.5
1	D	89	TYR	2.5
2	H	1702	TYR	2.5
2	h	541	TYR	2.5
1	E	1210	PRO	2.5
1	a	144	PRO	2.5
1	c	1399	PRO	2.5
2	L	1576	PRO	2.5
2	h	506	PRO	2.5
2	i	1019	PRO	2.5
1	B	461	THR	2.5
1	B	1307	THR	2.5
1	D	173	LYS	2.5
1	D	763	TRP	2.5
1	F	1191	THR	2.5
1	F	1698	PHE	2.5
2	G	252	THR	2.5

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Mol	Chain	Res	Type	RSRZ
2	H	202	THR	2.5
2	I	657	PHE	2.5
2	I	959	THR	2.5
2	I	1395	THR	2.5
2	J	1763	THR	2.5
2	L	6	THR	2.5
2	L	286	THR	2.5
2	L	450	PHE	2.5
2	i	1929	LYS	2.5
2	i	1270	TRP	2.5
2	j	1208	THR	2.5
2	l	1636	LYS	2.5
1	A	784	ILE	2.5
1	B	256	LEU	2.5
1	B	1201	SER	2.5
1	B	1643	SER	2.5
1	B	1873	HIS	2.5
1	C	354	LEU	2.5
1	C	1284	SER	2.5
1	D	404	SER	2.5
1	D	1284	SER	2.5
1	E	840	SER	2.5
1	a	1435	SER	2.5
1	d	75	HIS	2.5
1	d	1536	LEU	2.5
1	d	1661	LEU	2.5
1	e	73	SER	2.5
1	f	1723	SER	2.5
2	H	1214	LEU	2.5
2	I	1002	HIS	2.5
2	I	1313	SER	2.5
2	I	1943	ILE	2.5
2	L	587	ILE	2.5
2	L	891	ILE	2.5
2	L	1459	LEU	2.5
2	g	740	HIS	2.5
2	g	1797	LEU	2.5
2	h	303	LEU	2.5
2	i	5	SER	2.5
2	j	1313	SER	2.5
2	k	9	LEU	2.5
2	l	1157	SER	2.5

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Mol	Chain	Res	Type	RSRZ
3	N	56	LEU	2.5
1	A	929	GLY	2.5
1	B	264	VAL	2.5
1	E	834	GLY	2.5
1	E	892	GLY	2.5
1	F	689	GLY	2.5
1	c	967	VAL	2.5
2	K	473	GLY	2.5
2	g	161	GLY	2.5
2	g	1020	VAL	2.5
2	h	401	GLY	2.5
2	i	579	VAL	2.5
2	j	1166	VAL	2.5
1	b	1445	MET	2.5
1	d	38	ASP	2.5
1	d	898	GLN	2.5
1	d	1091	ALA	2.5
1	d	1416	ARG	2.5
1	d	1714	VAL	2.5
1	f	267	VAL	2.5
1	A	716	ASP	2.5
1	A	1117	GLU	2.5
1	B	141	ALA	2.5
1	C	604	ALA	2.5
1	C	652	ASP	2.5
1	C	675	ASP	2.5
1	C	1704	ALA	2.5
1	D	1	MET	2.5
1	D	960	GLU	2.5
1	D	1496	GLU	2.5
1	E	1209	ASP	2.5
1	F	208	GLU	2.5
1	F	739	GLN	2.5
1	a	739	GLN	2.5
1	a	1130	ASP	2.5
1	a	1506	GLN	2.5
1	e	32	GLN	2.5
1	f	193	GLU	2.5
1	f	886	GLU	2.5
2	G	46	GLU	2.5
2	G	1273	GLU	2.5
2	G	1418	ASP	2.5

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Mol	Chain	Res	Type	RSRZ
2	H	287	ASP	2.5
2	H	858	ALA	2.5
2	H	977	ASP	2.5
2	H	1627	GLN	2.5
2	H	1678	MET	2.5
2	I	1432	GLN	2.5
2	J	144	ALA	2.5
2	J	1448	GLU	2.5
2	J	1583	MET	2.5
2	K	998	GLN	2.5
2	g	1008	GLN	2.5
2	h	898	ASP	2.5
2	h	1049	GLN	2.5
2	j	1646	ASP	2.5
2	k	121	GLU	2.5
2	l	1391	ASP	2.5
1	A	1854	ASN	2.5
1	C	1758	ASN	2.5
1	F	80	CYS	2.5
1	a	1685	TYR	2.5
1	b	1608	ASN	2.5
1	d	1114	TYR	2.5
1	e	1790	ASN	2.5
1	f	1510	ASN	2.5
2	G	820	CYS	2.5
2	G	1485	CYS	2.5
2	G	2030	TYR	2.5
2	I	1156	CYS	2.5
2	I	1523	ASN	2.5
2	K	99	ASN	2.5
2	g	565	TYR	2.5
2	i	1246	ASN	2.5
2	j	1009	ASN	2.5
2	k	836	TYR	2.5
1	A	899	LYS	2.5
1	E	293	LYS	2.5
1	F	64	LYS	2.5
1	a	611	LYS	2.5
1	a	1423	LYS	2.5
1	c	1646	PHE	2.5
2	G	1016	PRO	2.5
2	H	1127	PHE	2.5

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Mol	Chain	Res	Type	RSRZ
2	I	1242	PHE	2.5
2	L	335	PRO	2.5
2	L	931	PHE	2.5
2	L	1019	PRO	2.5
2	L	1248	PHE	2.5
2	g	976	PRO	2.5
2	g	1069	PRO	2.5
2	g	1636	LYS	2.5
2	g	2023	LYS	2.5
2	h	293	PHE	2.5
2	h	958	PHE	2.5
2	h	975	LYS	2.5
2	i	74	PRO	2.5
2	i	749	PRO	2.5
2	k	590	PRO	2.5
2	l	497	LYS	2.5
2	l	1786	LYS	2.5
1	C	1533	ILE	2.5
1	D	302	LEU	2.5
1	D	328	LEU	2.5
1	E	221	LEU	2.5
1	F	536	THR	2.5
1	a	1400	ILE	2.5
1	a	1642	THR	2.5
1	b	171	THR	2.5
1	c	707	THR	2.5
1	e	883	ILE	2.5
2	H	86	LEU	2.5
2	L	1444	LEU	2.5
2	g	611	THR	2.5
2	g	616	THR	2.5
2	i	1797	LEU	2.5
2	j	89	THR	2.5
2	k	194	THR	2.5
2	k	1239	LEU	2.5
1	A	834	GLY	2.5
1	A	1640	SER	2.5
1	B	219	GLY	2.5
1	C	335	HIS	2.5
1	C	1728	SER	2.5
1	F	1321	SER	2.5
1	B	1525	ALA	2.5

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Mol	Chain	Res	Type	RSRZ
1	D	1833	ALA	2.5
1	E	986	ALA	2.5
1	E	1590	ALA	2.5
1	F	1283	MET	2.5
1	a	1609	ARG	2.5
1	b	639	HIS	2.5
1	b	1640	SER	2.5
1	c	870	GLY	2.5
1	c	1689	HIS	2.5
1	f	1436	VAL	2.5
2	G	1446	SER	2.5
2	I	470	VAL	2.5
2	I	603	SER	2.5
2	J	19	VAL	2.5
2	J	893	SER	2.5
2	J	1861	ARG	2.5
2	K	505	GLY	2.5
2	K	1151	HIS	2.5
2	L	31	SER	2.5
2	g	318	SER	2.5
2	g	1328	VAL	2.5
2	g	1590	ARG	2.5
2	h	636	SER	2.5
2	h	758	ARG	2.5
2	h	773	SER	2.5
2	i	12	SER	2.5
2	i	1893	VAL	2.5
2	j	378	VAL	2.5
2	j	406	ARG	2.5
2	j	957	ARG	2.5
2	k	359	HIS	2.5
2	k	406	ARG	2.5
2	l	288	SER	2.5
3	o	143	VAL	2.5
1	b	1057	MET	2.5
1	c	795	MET	2.5
1	c	1810	ALA	2.5
1	e	1474	ALA	2.5
2	i	1376	ALA	2.5
1	B	1342	GLU	2.5
1	C	960	GLU	2.5
1	C	1620	GLN	2.5

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Mol	Chain	Res	Type	RSRZ
1	D	1203	ASP	2.5
1	E	504	ASP	2.5
1	E	1233	GLU	2.5
1	F	600	ASP	2.5
1	F	1263	ASP	2.5
1	a	1334	ASP	2.5
1	b	1612	ASP	2.5
1	e	1739	GLN	2.5
2	G	1079	ASP	2.5
2	H	1887	GLU	2.5
2	I	1908	ASP	2.5
2	J	1041	GLU	2.5
2	J	2027	GLN	2.5
2	L	810	GLU	2.5
2	L	1245	ASP	2.5
2	L	1627	GLN	2.5
2	g	1379	GLU	2.5
2	g	1551	GLU	2.5
2	h	1903	ASP	2.5
2	j	1041	GLU	2.5
2	k	1272	ASP	2.5
2	l	1937	GLU	2.5
3	O	90	GLU	2.5
1	a	1401	TYR	2.5
2	K	266	TYR	2.5
2	j	387	TYR	2.5
2	j	702	TYR	2.5
3	M	109	TYR	2.5
3	Q	96	TYR	2.5
1	A	1176	PRO	2.5
1	A	1261	PHE	2.5
1	A	1549	ASN	2.5
1	D	92	PRO	2.5
1	E	1510	ASN	2.5
1	a	273	PRO	2.5
1	c	444	ASN	2.5
1	f	40	ASN	2.5
2	H	2039	LYS	2.5
2	I	1425	LYS	2.5
2	J	1096	LYS	2.5
2	K	2044	ASN	2.5
2	g	1488	PRO	2.5

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Mol	Chain	Res	Type	RSRZ
2	h	80	PHE	2.5
2	h	354	ASN	2.5
2	i	372	ASN	2.5
2	j	718	ASN	2.5
2	k	372	ASN	2.5
2	k	701	LYS	2.5
2	j	54	PRO	2.5
2	j	74	PRO	2.5
2	j	1281	PRO	2.5
2	k	1732	ASN	2.5
1	A	1600	LEU	2.5
1	B	232	LEU	2.5
1	B	269	LEU	2.5
1	E	243	ILE	2.5
1	F	243	ILE	2.5
1	a	884	ILE	2.5
2	J	183	LEU	2.5
2	h	1054	LEU	2.5
2	l	528	ILE	2.5
1	A	432	VAL	2.5
1	A	1084	VAL	2.5
1	B	871	TRP	2.5
1	A	1367	ARG	2.5
1	B	818	ARG	2.5
1	B	957	VAL	2.5
1	A	1703	HIS	2.5
1	C	181	THR	2.5
1	C	1283	MET	2.5
1	E	1192	GLY	2.5
1	F	1217	VAL	2.5
1	F	1250	GLY	2.5
1	a	31	THR	2.5
1	a	1430	ARG	2.5
1	a	1771	VAL	2.5
1	e	254	TRP	2.5
2	G	83	VAL	2.5
2	H	943	TRP	2.5
1	B	1382	ALA	2.5
1	C	1858	ALA	2.5
1	D	690	ALA	2.5
1	D	1164	SER	2.5
1	D	1563	HIS	2.5

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Mol	Chain	Res	Type	RSRZ
1	E	1474	ALA	2.5
1	E	1730	SER	2.5
1	F	1628	SER	2.5
1	a	1583	HIS	2.5
1	b	1381	GLY	2.5
1	c	401	THR	2.5
1	d	359	ARG	2.5
1	c	879	SER	2.5
1	c	901	MET	2.5
1	e	1234	MET	2.5
1	f	497	THR	2.5
2	G	906	THR	2.5
2	J	181	HIS	2.5
2	J	264	ARG	2.5
2	J	658	MET	2.5
2	K	194	THR	2.5
2	K	242	GLY	2.5
2	K	581	THR	2.5
2	K	861	GLY	2.5
2	L	470	VAL	2.5
2	g	1382	VAL	2.5
2	K	1939	HIS	2.5
2	h	508	GLY	2.5
2	h	523	THR	2.5
2	i	1194	VAL	2.5
2	h	1583	MET	2.5
2	j	114	THR	2.5
2	j	1703	GLY	2.5
2	k	2029	VAL	2.5
2	l	1661	VAL	2.5
1	a	57	ALA	2.5
1	e	1321	SER	2.5
1	f	226	SER	2.5
2	G	223	SER	2.5
2	I	1252	SER	2.5
2	L	1107	SER	2.5
2	g	12	SER	2.5
2	h	1255	MET	2.5
2	i	75	SER	2.5
2	l	897	ALA	2.5
2	l	923	ALA	2.5
2	l	1033	SER	2.5

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Mol	Chain	Res	Type	RSRZ
2	l	1720	HIS	2.5
2	H	530	ALA	2.5
2	i	1337	ALA	2.5
1	B	1128	GLU	2.5
1	B	1559	GLU	2.5
1	C	224	GLN	2.5
1	C	1795	GLU	2.5
1	F	185	GLU	2.5
1	F	654	GLN	2.5
1	F	1757	GLU	2.5
1	b	938	GLU	2.5
1	e	1207	GLN	2.5
2	I	689	GLU	2.5
2	I	1420	GLU	2.5
2	J	90	GLU	2.5
2	J	1673	GLU	2.5
2	K	1492	GLU	2.5
2	g	992	GLU	2.5
2	j	121	GLU	2.5
2	j	852	GLU	2.5
2	j	1942	GLU	2.5
2	k	1688	GLN	2.5
3	m	88	GLU	2.5
1	A	1323	LYS	2.5
1	A	1741	LYS	2.5
1	D	1085	ASP	2.5
1	E	84	ASP	2.5
1	b	652	ASP	2.5
1	c	1659	ASP	2.5
1	c	1724	LYS	2.5
1	d	223	LYS	2.5
2	G	445	LYS	2.5
2	G	1425	LYS	2.5
2	G	2009	LYS	2.5
2	I	314	TYR	2.5
2	I	940	ASP	2.5
2	I	1093	ASP	2.5
2	J	1908	ASP	2.5
2	K	100	ASP	2.5
2	i	1833	TYR	2.5
3	M	52	TYR	2.5
3	P	136	ASP	2.5

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Mol	Chain	Res	Type	RSRZ
2	G	1154	PHE	2.5
2	H	1457	PHE	2.5
2	K	1721	PHE	2.5
2	h	767	PHE	2.5
2	h	931	PHE	2.5
2	k	2019	PHE	2.5
1	C	266	LEU	2.5
1	F	616	LEU	2.5
1	F	1110	LEU	2.5
1	F	1823	LEU	2.5
1	a	963	LEU	2.5
2	G	104	LEU	2.5
2	G	512	LEU	2.5
1	D	1122	ILE	2.5
1	c	407	ASN	2.5
1	c	1004	ILE	2.5
2	G	567	PRO	2.5
2	H	361	PRO	2.5
2	H	1274	PRO	2.5
2	J	1746	LEU	2.5
2	i	599	PRO	2.5
2	i	700	LEU	2.5
2	i	1016	PRO	2.5
2	i	1269	LEU	2.5
2	l	471	LEU	2.5
1	F	1549	ASN	2.5
1	d	1845	ASN	2.5
1	e	738	ASN	2.5
2	I	560	ASN	2.5
2	I	1476	ASN	2.5
2	I	1917	ILE	2.5
2	L	127	ILE	2.5
2	g	125	ASN	2.5
2	g	1912	ASN	2.5
2	j	1338	ILE	2.5
2	k	1355	ASN	2.5
2	l	1917	ILE	2.5
2	l	2042	ILE	2.5
3	o	148	ILE	2.5
1	a	1883	VAL	2.5
1	B	878	MET	2.5
1	B	1593	MET	2.5

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Mol	Chain	Res	Type	RSRZ
1	C	818	ARG	2.5
1	D	729	GLY	2.5
1	E	290	MET	2.5
1	E	1183	ARG	2.5
1	E	1639	VAL	2.5
1	c	1840	VAL	2.5
1	d	1781	VAL	2.5
2	I	1052	CYS	2.5
2	I	1649	VAL	2.5
2	K	433	VAL	2.5
2	K	1020	VAL	2.5
1	F	1102	GLY	2.5
1	b	1121	MET	2.5
1	f	835	GLY	2.5
2	H	66	GLY	2.5
2	J	597	MET	2.5
2	K	1984	GLY	2.5
2	L	490	TRP	2.5
2	j	448	VAL	2.5
2	k	846	VAL	2.5
3	Q	9	ARG	2.5
3	q	92	VAL	2.5
2	h	1853	GLY	2.5
2	h	1984	GLY	2.5
2	j	806	MET	2.5
1	A	1186	ALA	2.5
1	B	950	THR	2.5
1	D	1033	ALA	2.5
1	a	212	THR	2.5
1	d	494	ALA	2.5
1	f	57	ALA	2.5
2	G	1055	HIS	2.5
2	I	782	THR	2.5
2	I	1652	THR	2.5
2	I	1788	ALA	2.5
2	J	1546	THR	2.5
2	K	128	THR	2.5
2	K	499	THR	2.5
2	g	114	THR	2.5
2	g	855	HIS	2.5
2	h	1939	HIS	2.5
2	i	1774	THR	2.5

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Mol	Chain	Res	Type	RSRZ
2	j	722	ALA	2.5
2	k	1196	THR	2.5
3	m	41	HIS	2.5
3	q	80	ALA	2.5
1	A	218	SER	2.5
1	A	1884	SER	2.5
1	C	1350	SER	2.5
1	C	1567	SER	2.5
1	E	67	SER	2.5
1	E	225	SER	2.5
1	c	720	SER	2.5
1	d	226	SER	2.5
1	e	1293	SER	2.5
1	e	1640	SER	2.5
1	f	1765	SER	2.5
2	G	410	SER	2.5
2	G	1525	SER	2.5
2	I	1794	SER	2.5
2	L	143	SER	2.5
2	i	1544	SER	2.5
2	j	1153	SER	2.5
1	A	1310	GLU	2.5
1	A	1739	GLN	2.5
1	B	1008	GLU	2.5
1	C	611	LYS	2.5
1	F	612	GLU	2.5
1	F	1449	LYS	2.5
1	F	1492	GLU	2.5
1	a	1652	GLN	2.5
1	c	1385	GLN	2.5
1	c	1507	GLN	2.5
1	d	1008	GLU	2.5
1	d	1364	GLU	2.5
1	e	517	GLU	2.5
1	f	780	GLU	2.5
2	H	268	LYS	2.5
2	H	1551	GLU	2.5
2	H	1868	GLN	2.5
2	I	643	LYS	2.5
2	I	1659	GLN	2.5
2	K	810	GLU	2.5
2	L	2017	LYS	2.5

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Mol	Chain	Res	Type	RSRZ
2	g	1699	LYS	2.5
2	g	2017	LYS	2.5
2	h	831	LYS	2.5
2	h	1216	GLU	2.5
2	l	1471	GLU	2.5
2	l	1551	GLU	2.5
3	m	34	GLU	2.5
1	A	1333	ASP	2.5
1	C	355	ASP	2.5
1	D	718	TYR	2.5
1	C	824	LEU	2.5
1	E	189	ASP	2.5
1	F	1615	ASP	2.5
1	a	429	ASP	2.5
1	a	1376	PHE	2.5
1	e	836	ASP	2.5
1	e	1706	TYR	2.5
1	e	1809	PHE	2.5
1	f	839	TYR	2.5
2	G	9	LEU	2.5
2	G	293	PHE	2.5
2	G	1158	PHE	2.5
2	I	464	ASP	2.5
2	I	1103	PHE	2.5
2	I	1804	PHE	2.5
2	I	1980	TYR	2.5
2	I	2010	TYR	2.5
2	J	496	PHE	2.5
2	J	543	PHE	2.5
2	L	615	TYR	2.5
2	L	898	ASP	2.5
2	g	543	PHE	2.5
2	l	674	TYR	2.5
2	l	1089	TYR	2.5
2	j	1054	LEU	2.5
1	B	51	PRO	2.5
1	b	1204	ILE	2.5
1	b	1403	ILE	2.5
1	c	1116	PRO	2.5
1	d	1654	ILE	2.5
1	e	1210	PRO	2.5
2	G	1210	ILE	2.5

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Mol	Chain	Res	Type	RSRZ
2	L	29	ILE	2.5
2	i	123	ILE	2.5
2	k	101	ILE	2.5
2	k	1987	PRO	2.5
1	B	881	ASN	2.5
1	E	1854	ASN	2.5
1	F	396	ARG	2.5
1	F	967	VAL	2.5
1	F	1483	ASN	2.5
1	F	1515	ARG	2.5
1	c	1510	ASN	2.5
2	G	77	VAL	2.5
2	H	1020	VAL	2.5
2	K	1186	ASN	2.5
2	K	1226	ASN	2.5
2	K	1517	VAL	2.5
2	g	19	VAL	2.5
2	g	1716	ASN	2.5
2	g	1974	VAL	2.5
2	g	1983	ASN	2.5
2	j	529	VAL	2.5
2	j	655	ASN	2.5
2	j	758	ARG	2.5
2	j	1065	VAL	2.5
3	N	143	VAL	2.5
1	A	1650	GLY	2.5
1	B	507	GLY	2.5
1	B	1830	GLY	2.5
1	C	853	TRP	2.5
1	D	892	GLY	2.5
1	F	1011	GLY	2.5
1	a	662	GLY	2.5
1	d	1537	GLY	2.5
1	e	887	GLY	2.5
1	e	1283	MET	2.5
3	O	99	ARG	2.5
2	K	903	TRP	2.5
2	L	1582	GLY	2.5
2	j	1414	GLY	2.5
2	k	561	TRP	2.5
1	e	80	CYS	2.5
2	H	1308	CYS	2.5

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Mol	Chain	Res	Type	RSRZ
1	A	646	ALA	2.5
1	C	973	ALA	2.5
1	E	1100	HIS	2.5
1	F	1684	ALA	2.5
1	c	1862	ALA	2.5
1	b	1532	THR	2.5
1	d	1239	HIS	2.5
1	d	1525	ALA	2.5
2	H	1540	ALA	2.5
2	H	1687	ALA	2.5
2	J	1597	ALA	2.5
2	L	1099	ALA	2.5
2	h	105	ALA	2.5
2	h	158	ALA	2.5
2	i	1249	ALA	2.5
2	k	1788	ALA	2.5
2	l	1042	ALA	2.5
2	l	1294	ALA	2.5
1	A	491	LYS	2.5
1	C	1682	LYS	2.5
1	D	629	THR	2.5
1	D	1856	LYS	2.5
1	e	461	THR	2.5
1	f	817	THR	2.5
2	G	1699	LYS	2.5
2	G	2017	LYS	2.5
2	H	210	THR	2.5
2	K	1133	THR	2.5
1	A	523	SER	2.5
1	A	1440	SER	2.5
1	E	226	SER	2.5
1	F	855	SER	2.5
1	b	296	SER	2.5
1	c	1807	SER	2.5
1	d	827	SER	2.5
1	f	1247	SER	2.5
2	G	1145	SER	2.5
2	G	1481	SER	2.5
2	K	1544	SER	2.5
2	L	400	SER	2.5
2	g	31	SER	2.5
2	g	1167	SER	2.5

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Mol	Chain	Res	Type	RSRZ
2	h	466	SER	2.5
1	A	525	TYR	2.5
1	A	1762	GLU	2.5
1	B	651	TYR	2.5
1	B	1188	GLN	2.5
1	C	175	LEU	2.5
1	C	737	PHE	2.5
1	C	1798	TYR	2.5
1	D	294	TYR	2.5
1	E	780	GLU	2.5
1	a	30	GLU	2.5
1	b	20	TYR	2.5
1	b	1473	GLU	2.5
1	e	1062	TYR	2.5
1	f	1681	GLU	2.5
2	G	1183	GLU	2.5
2	H	1942	GLU	2.5
2	I	121	GLU	2.5
2	J	303	LEU	2.5
2	K	754	TYR	2.5
2	h	1704	PHE	2.5
2	h	1771	LEU	2.5
2	i	86	LEU	2.5
2	j	1757	GLU	2.5
2	k	1776	PHE	2.5
2	l	1068	GLU	2.5
2	l	1960	LEU	2.5
3	R	57	GLU	2.5
3	o	88	GLU	2.5
1	F	1386	ILE	2.5
1	a	1403	ILE	2.5
2	I	457	ILE	2.5
2	K	587	ILE	2.5
2	g	439	ILE	2.5
2	g	695	ILE	2.5
2	g	1159	ILE	2.5
2	h	1073	ILE	2.5
2	i	101	ILE	2.5
2	l	457	ILE	2.5
2	l	570	ILE	2.5
1	A	1836	ASP	2.5
1	B	1627	PRO	2.5

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Mol	Chain	Res	Type	RSRZ
1	C	189	ASP	2.5
1	E	764	ASP	2.5
1	a	1133	PRO	2.5
1	a	1658	PRO	2.5
1	b	1088	ASP	2.5
1	d	1263	ASP	2.5
2	G	1402	PRO	2.5
2	H	167	ASP	2.5
2	I	138	ASP	2.5
2	J	461	ASP	2.5
2	K	1176	PRO	2.5
2	g	889	ASP	2.5
2	i	399	PRO	2.5
2	j	999	ASP	2.5
1	E	968	VAL	2.5
1	F	1020	VAL	2.5
1	F	1781	VAL	2.5
1	a	1722	VAL	2.5
1	c	641	ARG	2.5
1	d	948	VAL	2.5
2	G	1319	MET	2.5
2	H	419	ARG	2.5
2	h	844	VAL	2.5
2	l	1649	VAL	2.5
2	k	658	MET	2.5
1	A	686	GLY	2.5
1	A	1830	GLY	2.5
1	B	1483	ASN	2.5
1	B	1552	ASN	2.5
1	E	1591	TRP	2.5
1	a	1594	ASN	2.5
1	b	1351	ASN	2.5
1	c	1610	ASN	2.5
1	e	1635	GLY	2.5
1	f	1790	ASN	2.5
2	H	354	ASN	2.5
2	K	785	TRP	2.5
2	L	451	ASN	2.5
2	h	1668	GLY	2.5
2	j	1892	ASN	2.5
2	l	276	GLY	2.5
3	N	95	ASN	2.5

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Mol	Chain	Res	Type	RSRZ
3	P	94	ASN	2.5
1	C	246	ALA	2.5
1	a	530	ALA	2.5
1	c	369	ALA	2.5
2	G	148	ALA	2.5
2	H	1787	ALA	2.5
2	I	1152	ALA	2.5
2	L	435	ALA	2.5
2	L	613	ALA	2.5
1	A	236	LYS	2.5
1	B	1562	LYS	2.5
1	D	1873	HIS	2.5
2	G	63	LYS	2.5
2	H	118	LYS	2.5
2	J	18	HIS	2.5
2	J	94	CYS	2.4
2	i	428	HIS	2.5
2	l	94	CYS	2.4
2	l	1939	HIS	2.5
1	E	1544	THR	2.4
1	E	1579	PHE	2.4
1	e	149	LEU	2.4
1	f	863	THR	2.4
1	f	1532	THR	2.4
2	I	213	LEU	2.4
2	I	884	LEU	2.4
2	I	1086	LEU	2.4
2	I	1419	PHE	2.4
2	K	583	PHE	2.4
2	g	24	THR	2.4
2	l	569	LEU	2.4
2	l	1318	THR	2.4
1	A	224	GLN	2.4
1	B	981	GLU	2.4
1	B	1739	GLN	2.4
1	B	1827	SER	2.4
1	C	65	TYR	2.4
1	C	1540	SER	2.4
1	F	404	SER	2.4
1	F	809	GLN	2.4
1	F	1249	SER	2.4
1	a	1797	GLU	2.4

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Mol	Chain	Res	Type	RSRZ
1	a	1870	SER	2.4
1	b	989	GLN	2.4
1	b	1744	TYR	2.4
1	c	743	GLN	2.4
1	c	1249	SER	2.4
1	d	1101	SER	2.4
1	d	1795	GLU	2.4
2	G	384	GLN	2.4
2	G	993	GLN	2.4
2	G	1586	SER	2.4
2	H	702	TYR	2.4
2	H	1185	SER	2.4
2	H	1271	ILE	2.4
2	H	1335	ILE	2.4
2	H	1656	GLU	2.4
2	I	233	SER	2.4
2	I	660	GLN	2.4
2	J	1775	GLN	2.4
2	J	1924	ILE	2.4
2	K	885	GLU	2.4
2	K	2010	TYR	2.4
2	L	36	GLN	2.4
2	L	2025	TYR	2.4
2	g	998	GLN	2.4
2	h	535	ILE	2.4
2	h	546	GLU	2.4
2	j	565	TYR	2.4
2	j	1033	SER	2.4
2	k	626	SER	2.4
2	k	1157	SER	2.4
2	k	1566	SER	2.4
2	k	1719	ILE	2.4
2	k	1948	SER	2.4
2	l	155	GLN	2.4
2	l	752	GLN	2.4
3	M	106	GLU	2.4
3	m	20	ILE	2.4
1	A	1612	ASP	2.4
1	B	267	VAL	2.4
1	B	1714	VAL	2.4
1	C	991	ASP	2.4
1	D	45	VAL	2.4

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Mol	Chain	Res	Type	RSRZ
2	I	44	PRO	2.4
2	I	1382	VAL	2.4
2	J	1843	PRO	2.4
2	K	1281	PRO	2.4
2	h	422	PRO	2.4
2	j	1536	PRO	2.4
1	E	459	ASP	2.4
1	c	492	ASP	2.4
1	c	1742	ASP	2.4
1	d	1360	ARG	2.4
1	f	33	ASP	2.4
1	f	1180	ARG	2.4
2	G	461	ASP	2.4
2	G	538	ASP	2.4
2	k	480	VAL	2.4
2	l	260	PRO	2.4
2	l	882	PRO	2.4
2	H	1359	MET	2.4
2	I	1440	ASP	2.4
2	I	1845	ASP	2.4
2	J	227	ASP	2.4
2	K	750	MET	2.4
2	h	549	ASP	2.4
2	k	1440	ASP	2.4
2	k	1842	VAL	2.4
2	k	2005	ARG	2.4
2	l	19	VAL	2.4
2	H	1006	MET	2.4
1	A	1768	GLY	2.4
1	C	1102	GLY	2.4
1	E	700	GLY	2.4
1	e	762	GLY	2.4
2	I	508	GLY	2.4
2	j	276	GLY	2.4
1	B	728	LYS	2.4
1	E	254	TRP	2.4
1	E	1285	ALA	2.4
1	F	1558	ASN	2.4
1	F	1695	ASN	2.4
1	a	502	ALA	2.4
1	b	1514	LYS	2.4
1	c	268	ALA	2.4

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Mol	Chain	Res	Type	RSRZ
1	c	284	LYS	2.4
1	e	1766	ASN	2.4
1	f	666	ALA	2.4
2	J	1364	LYS	2.4
2	K	120	LYS	2.4
2	K	424	ALA	2.4
2	K	536	ASN	2.4
2	K	1013	LYS	2.4
2	L	1747	LYS	2.4
2	L	1768	LYS	2.4
2	h	1780	ALA	2.4
2	j	1682	LYS	2.4
2	l	1217	ASN	2.4
2	l	1449	TRP	2.4
2	l	1921	LYS	2.4
1	B	1834	LEU	2.4
1	c	926	LEU	2.4
1	e	256	LEU	2.4
2	g	904	PHE	2.4
2	g	1697	HIS	2.4
2	j	973	LEU	2.4
1	a	932	PHE	2.4
1	b	737	PHE	2.4
1	d	361	PHE	2.4
2	j	647	PHE	2.4
2	k	420	PHE	2.4
2	k	1103	PHE	2.4
3	o	149	PHE	2.4
1	C	1427	THR	2.4
1	C	1605	ILE	2.4
1	C	1812	THR	2.4
1	D	634	THR	2.4
1	E	497	THR	2.4
1	E	1528	THR	2.4
1	F	1865	THR	2.4
1	d	1035	THR	2.4
1	e	1004	ILE	2.4
1	e	1660	TYR	2.4
1	f	680	ILE	2.4
2	H	407	ILE	2.4
2	H	945	THR	2.4
2	H	1407	THR	2.4

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Mol	Chain	Res	Type	RSRZ
2	K	631	THR	2.4
2	K	1852	TYR	2.4
2	L	600	CYS	2.4
2	g	457	ILE	2.4
2	g	532	THR	2.4
2	g	1327	ILE	2.4
2	h	234	ILE	2.4
2	h	1285	ILE	2.4
2	i	565	TYR	2.4
2	j	1318	THR	2.4
2	k	1979	THR	2.4
2	l	1553	TYR	2.4
1	A	211	GLU	2.4
1	C	251	GLN	2.4
1	C	1778	SER	2.4
1	D	1804	SER	2.4
1	F	528	GLU	2.4
1	F	1540	SER	2.4
1	F	1711	GLU	2.4
1	a	1207	GLN	2.4
1	a	1619	GLU	2.4
1	a	1765	SER	2.4
1	b	1730	SER	2.4
1	d	739	GLN	2.4
1	e	384	GLU	2.4
1	f	743	GLN	2.4
2	G	1135	GLU	2.4
2	H	1313	SER	2.4
2	H	1669	GLN	2.4
2	I	288	SER	2.4
2	I	380	SER	2.4
2	I	1216	GLU	2.4
2	I	1785	GLU	2.4
2	K	1225	GLU	2.4
2	L	1775	GLN	2.4
2	L	1829	GLU	2.4
2	L	1942	GLU	2.4
2	h	867	GLU	2.4
2	h	1594	GLU	2.4
2	i	237	SER	2.4
2	i	285	GLU	2.4
2	j	2040	GLU	2.4

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Mol	Chain	Res	Type	RSRZ
2	j	2046	GLU	2.4
2	k	12	SER	2.4
2	k	1808	SER	2.4
2	l	472	SER	2.4
3	P	98	GLU	2.4
1	C	337	VAL	2.4
1	C	993	PRO	2.4
1	C	1006	PRO	2.4
1	b	45	VAL	2.4
1	b	247	ARG	2.4
1	b	1183	ARG	2.4
1	d	1764	VAL	2.4
1	e	818	ARG	2.4
1	e	894	ARG	2.4
2	I	7	ARG	2.4
2	L	758	ARG	2.4
2	L	1494	PRO	2.4
2	i	1660	PRO	2.4
2	k	1784	MET	2.4
2	l	361	PRO	2.4
2	l	670	ARG	2.4
3	N	110	ARG	2.4
3	Q	92	VAL	2.4
1	f	1057	MET	2.4
2	G	707	PRO	2.4
2	G	839	PRO	2.4
2	G	1069	PRO	2.4
2	G	1631	MET	2.4
2	H	1019	PRO	2.4
1	D	1511	ASP	2.4
1	D	1550	ASP	2.4
1	F	716	ASP	2.4
1	d	764	ASP	2.4
1	f	1875	ASP	2.4
2	H	351	ASP	2.4
2	H	605	ASP	2.4
2	J	175	ASP	2.4
2	J	481	ASP	2.4
2	K	790	ASP	2.4
2	g	100	ASP	2.4
2	h	437	ASP	2.4
2	i	1440	ASP	2.4

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Mol	Chain	Res	Type	RSRZ
1	A	177	GLY	2.4
1	C	929	GLY	2.4
1	b	1161	GLY	2.4
1	d	1397	GLY	2.4
1	e	682	GLY	2.4
2	G	1768	LYS	2.4
2	H	1364	LYS	2.4
2	I	1187	GLY	2.4
2	L	1998	LYS	2.4
2	h	276	GLY	2.4
2	h	1524	GLY	2.4
2	i	1723	GLY	2.4
2	i	1984	GLY	2.4
1	A	28	TRP	2.4
1	B	667	ALA	2.4
1	c	1675	ALA	2.4
1	c	1878	ALA	2.4
1	D	1731	LEU	2.4
1	d	1168	LEU	2.4
2	G	561	TRP	2.4
2	I	498	ALA	2.4
2	J	990	ALA	2.4
2	K	284	ALA	2.4
2	L	1597	ALA	2.4
2	H	1560	LEU	2.4
2	K	431	LEU	2.4
2	L	1592	LEU	2.4
2	h	1138	TRP	2.4
2	j	109	LEU	2.4
2	k	33	LEU	2.4
3	M	49	LEU	2.4
3	N	79	LEU	2.4
1	B	1223	PHE	2.4
1	C	407	ASN	2.4
1	E	1245	ASN	2.4
1	F	286	PHE	2.4
1	e	1594	ASN	2.4
1	f	669	ASN	2.4
2	H	305	PHE	2.4
2	I	946	PHE	2.4
2	K	1738	PHE	2.4
2	L	1595	ASN	2.4

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Mol	Chain	Res	Type	RSRZ
2	i	1243	ASN	2.4
2	j	293	PHE	2.4
2	j	1666	PHE	2.4
3	Q	95	ASN	2.4
1	E	988	ILE	2.4
1	F	1019	ILE	2.4
1	F	1189	ILE	2.4
1	a	783	HIS	2.4
2	H	341	ILE	2.4
2	H	1922	ILE	2.4
2	i	159	ILE	2.4
2	i	273	HIS	2.4
2	k	1078	HIS	2.4
2	l	1002	HIS	2.4
1	d	725	TYR	2.4
2	H	311	TYR	2.4
2	g	1298	TYR	2.4
2	k	1416	TYR	2.4
1	B	181	THR	2.4
1	C	1642	THR	2.4
1	E	471	THR	2.4
1	E	1073	THR	2.4
1	E	1229	THR	2.4
1	F	1760	THR	2.4
1	c	392	THR	2.4
1	c	1785	THR	2.4
1	A	430	ARG	2.4
1	B	270	SER	2.4
1	B	1404	VAL	2.4
1	A	1305	CYS	2.4
1	C	1010	GLU	2.4
1	D	1305	CYS	2.4
1	E	276	ARG	2.4
1	F	1034	ARG	2.4
1	F	1052	GLU	2.4
1	F	1366	SER	2.4
1	d	1311	SER	2.4
1	e	203	GLU	2.4
1	e	957	VAL	2.4
1	e	1137	SER	2.4
1	f	944	ARG	2.4
2	G	417	SER	2.4

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Mol	Chain	Res	Type	RSRZ
2	G	599	PRO	2.4
2	G	600	CYS	2.4
2	H	1171	ARG	2.4
2	I	1202	GLN	2.4
2	I	1961	GLU	2.4
2	J	121	GLU	2.4
2	J	223	SER	2.4
2	J	477	GLU	2.4
2	K	860	ARG	2.4
2	K	1397	SER	2.4
2	L	444	VAL	2.4
2	g	366	VAL	2.4
2	g	1202	GLN	2.4
2	g	1840	VAL	2.4
2	h	677	GLN	2.4
2	i	128	THR	2.4
2	i	581	THR	2.4
2	k	959	THR	2.4
2	l	1760	THR	2.4
2	I	806	MET	2.4
2	I	1583	MET	2.4
2	J	1990	SER	2.4
2	K	5	SER	2.4
2	g	310	CYS	2.4
2	g	1007	CYS	2.4
2	g	1253	GLU	2.4
2	h	1343	VAL	2.4
2	h	1974	VAL	2.4
2	i	296	VAL	2.4
2	i	961	SER	2.4
2	k	90	GLU	2.4
2	k	849	GLU	2.4
2	k	1821	VAL	2.4
2	l	1351	VAL	2.4
2	l	1948	SER	2.4
3	M	14	GLU	2.4
2	g	1615	MET	2.4
2	l	315	PRO	2.4
1	A	83	LYS	2.4
1	A	1031	GLY	2.4
1	b	787	LYS	2.4
1	d	1761	LYS	2.4

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Mol	Chain	Res	Type	RSRZ
1	b	531	LEU	2.4
1	b	1713	ASP	2.4
1	c	892	GLY	2.4
1	f	240	GLY	2.4
1	f	537	LYS	2.4
1	A	1725	ASP	2.4
1	B	1731	LEU	2.4
1	D	1005	ALA	2.4
1	E	616	LEU	2.4
1	E	1611	ALA	2.4
1	F	266	LEU	2.4
1	F	1742	ASP	2.4
1	F	1862	ALA	2.4
1	F	1866	ASP	2.4
1	a	246	ALA	2.4
1	a	1203	ASP	2.4
1	b	1859	ALA	2.4
1	c	836	ASP	2.4
1	d	925	ASP	2.4
1	d	1481	ASP	2.4
2	H	513	GLY	2.4
2	I	204	ASP	2.4
2	J	164	GLY	2.4
2	K	1091	GLY	2.4
2	h	556	LYS	2.4
2	h	1031	LYS	2.4
2	j	1084	LYS	2.4
2	k	1287	GLY	2.4
2	k	1921	LYS	2.4
2	l	2023	LYS	2.4
3	Q	55	LYS	2.4
1	e	187	LEU	2.4
1	f	275	ALA	2.4
1	f	723	ALA	2.4
1	f	1457	ALA	2.4
1	f	1548	ALA	2.4
2	G	280	ALA	2.4
2	J	1904	LEU	2.4
2	L	1637	LEU	2.4
2	i	1134	ASP	2.4
2	j	1123	ASP	2.4
2	j	1458	ASP	2.4

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Mol	Chain	Res	Type	RSRZ
3	m	59	ALA	2.4
1	B	833	PHE	2.4
1	E	241	PHE	2.4
2	g	496	PHE	2.4
2	i	657	PHE	2.4
2	j	1275	PHE	2.4
2	k	91	PHE	2.4
2	k	504	PHE	2.4
1	A	1374	ASN	2.4
1	D	888	ILE	2.4
1	F	1594	ASN	2.4
1	a	618	ASN	2.4
1	a	680	ILE	2.4
1	b	860	ASN	2.4
1	b	1746	ASN	2.4
1	e	508	ASN	2.4
2	I	446	ASN	2.4
2	I	1706	ILE	2.4
2	K	1888	ILE	2.4
2	K	1890	ASN	2.4
2	K	1995	ASN	2.4
2	g	1696	ASN	2.4
2	i	878	ASN	2.4
2	i	1892	ASN	2.4
2	k	1737	ILE	2.4
1	B	157	HIS	2.4
1	C	1432	HIS	2.4
1	b	75	HIS	2.4
1	e	157	HIS	2.4
1	e	1685	TYR	2.4
2	G	1545	TYR	2.4
2	J	740	HIS	2.4
2	L	1762	TYR	2.4
2	i	1102	TYR	2.4
3	r	41	HIS	2.4
1	C	894	ARG	2.4
1	C	954	ARG	2.4
1	D	1183	ARG	2.4
1	E	153	VAL	2.4
1	E	954	ARG	2.4
1	E	1518	ARG	2.4
1	F	1220	VAL	2.4

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Mol	Chain	Res	Type	RSRZ
2	H	1491	VAL	2.4
2	L	1194	VAL	2.4
2	i	7	ARG	2.4
2	j	1504	VAL	2.4
2	k	423	VAL	2.4
1	A	1619	GLU	2.4
1	F	1371	THR	2.4
1	a	41	THR	2.4
1	a	715	THR	2.4
1	D	3	PRO	2.4
1	D	21	GLN	2.4
1	D	364	GLU	2.4
1	D	1705	PRO	2.4
1	E	330	GLU	2.4
1	E	401	THR	2.4
1	E	964	GLU	2.4
1	b	1732	THR	2.4
1	e	497	THR	2.4
1	e	832	THR	2.4
1	b	911	PRO	2.4
1	b	1133	PRO	2.4
1	b	1338	GLU	2.4
1	e	1010	GLU	2.4
2	G	845	THR	2.4
2	G	918	THR	2.4
2	G	1026	GLU	2.4
2	G	1180	MET	2.4
2	H	545	GLN	2.4
2	H	1500	GLU	2.4
2	J	1196	THR	2.4
2	K	1208	THR	2.4
2	L	10	THR	2.4
2	L	567	PRO	2.4
2	L	1641	GLU	2.4
2	g	494	THR	2.4
2	h	1894	GLU	2.4
2	k	24	THR	2.4
2	k	1130	THR	2.4
2	k	1405	GLU	2.4
2	k	1876	GLU	2.4
2	l	166	THR	2.4
3	P	8	ARG	2.4

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Mol	Chain	Res	Type	RSRZ
3	P	9	ARG	2.4
2	I	320	PRO	2.4
2	J	839	PRO	2.4
2	h	226	PRO	2.4
2	h	332	GLU	2.4
2	l	1754	GLU	2.4
3	R	14	GLU	2.4
1	B	1101	SER	2.4
1	B	1567	SER	2.4
1	F	1807	SER	2.4
1	a	1700	SER	2.4
1	b	227	SER	2.4
1	b	788	SER	2.4
1	b	1678	SER	2.4
1	c	609	SER	2.4
1	d	158	LYS	2.4
1	f	615	SER	2.4
1	f	1440	SER	2.4
1	f	1884	SER	2.4
2	K	937	SER	2.4
2	L	1167	SER	2.4
2	g	228	LYS	2.4
2	h	1725	LYS	2.4
2	i	1588	SER	2.4
2	j	237	SER	2.4
2	j	369	SER	2.4
2	j	786	SER	2.4
2	k	445	LYS	2.4
2	k	1685	LYS	2.4
2	l	474	SER	2.4
2	l	645	SER	2.4
3	m	138	SER	2.4
1	A	498	GLY	2.4
1	A	909	LEU	2.4
1	E	163	LEU	2.4
1	F	269	LEU	2.4
1	c	531	LEU	2.4
1	c	929	GLY	2.4
1	d	219	GLY	2.4
2	H	373	GLY	2.4
2	I	1582	GLY	2.4
2	J	161	GLY	2.4

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Mol	Chain	Res	Type	RSRZ
2	J	1320	LEU	2.4
2	g	432	LEU	2.4
2	g	1966	CYS	2.4
2	i	255	LEU	2.4
2	j	621	GLY	2.4
2	j	1091	GLY	2.4
2	l	1806	GLY	2.4
3	P	77	GLY	2.4
3	m	6	GLY	2.4
1	A	747	ALA	2.4
1	B	1497	ALA	2.4
1	E	373	ALA	2.4
1	F	812	ALA	2.4
1	a	281	ALA	2.4
1	d	1429	ALA	2.4
1	d	1664	ALA	2.4
1	e	962	ALA	2.4
2	I	986	ALA	2.4
2	g	986	ALA	2.4
2	i	154	ALA	2.4
2	i	284	ALA	2.4
1	A	1230	ASP	2.4
1	C	1030	TRP	2.4
1	F	637	PHE	2.4
1	a	142	ASP	2.4
1	a	301	ASP	2.4
1	a	1077	ASP	2.4
1	a	1230	ASP	2.4
1	e	69	ASP	2.4
1	f	1055	TRP	2.4
2	H	138	ASP	2.4
2	H	1245	ASP	2.4
2	I	454	ASP	2.4
2	I	801	PHE	2.4
2	J	442	ASP	2.4
2	K	490	TRP	2.4
2	K	1599	ASP	2.4
2	g	2031	ASP	2.4
2	i	464	ASP	2.4
2	k	450	PHE	2.4
2	l	801	PHE	2.4
2	l	1032	ASP	2.4

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Mol	Chain	Res	Type	RSRZ
1	d	297	ILE	2.4
1	d	455	ILE	2.4
1	e	1228	ILE	2.4
1	e	1796	ILE	2.4
2	I	131	ILE	2.4
3	M	7	ILE	2.4
1	B	1062	TYR	2.4
1	C	618	ASN	2.4
1	C	1623	TYR	2.4
1	A	1518	ARG	2.4
1	F	76	ARG	2.4
1	F	400	ARG	2.4
1	F	1825	VAL	2.4
1	F	1867	VAL	2.4
1	b	1549	ASN	2.4
1	c	1064	ASN	2.4
2	G	182	VAL	2.4
2	H	147	ARG	2.4
2	H	281	VAL	2.4
2	H	760	HIS	2.4
2	H	1259	ASN	2.4
2	H	1302	HIS	2.4
2	I	1020	VAL	2.4
2	I	1461	ASN	2.4
2	I	1359	MET	2.4
2	J	518	ARG	2.4
2	L	488	VAL	2.4
2	L	2001	VAL	2.4
2	i	1382	VAL	2.4
2	k	927	VAL	2.4
2	k	1886	VAL	2.4
2	l	694	TYR	2.4
2	l	1812	TYR	2.4
1	a	1180	ARG	2.4
1	d	76	ARG	2.4
1	e	247	ARG	2.4
3	Q	86	VAL	2.4
1	A	196	THR	2.4
1	A	1760	THR	2.4
1	B	211	GLU	2.4
1	B	1107	GLU	2.4
1	B	1116	PRO	2.4

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Mol	Chain	Res	Type	RSRZ
1	B	1598	GLN	2.4
1	B	1741	LYS	2.4
1	C	8	GLU	2.4
1	C	21	GLN	2.4
1	C	789	GLU	2.4
1	C	1008	GLU	2.4
1	C	1048	GLU	2.4
1	D	706	THR	2.4
1	E	1129	GLU	2.4
1	F	961	THR	2.4
1	F	1498	GLU	2.4
1	F	1793	PRO	2.4
1	a	612	GLU	2.4
1	a	1421	PRO	2.4
1	a	1622	GLU	2.4
1	b	1128	GLU	2.4
1	c	505	LYS	2.4
1	e	411	GLN	2.4
1	e	1128	GLU	2.4
1	e	1865	THR	2.4
1	f	146	LYS	2.4
1	f	1299	LYS	2.4
1	f	1861	GLU	2.4
2	G	163	GLN	2.4
2	G	1008	GLN	2.4
2	H	1063	THR	2.4
2	H	1133	THR	2.4
2	I	581	THR	2.4
2	I	1782	THR	2.4
2	J	556	LYS	2.4
2	J	646	THR	2.4
2	J	1500	GLU	2.4
2	J	1777	THR	2.4
2	K	831	LYS	2.4
2	L	849	GLU	2.4
2	h	275	GLN	2.4
2	h	301	THR	2.4
2	h	384	GLN	2.4
2	h	839	PRO	2.4
2	h	1315	PRO	2.4
2	h	1775	GLN	2.4
2	h	2050	GLN	2.4

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Mol	Chain	Res	Type	RSRZ
2	i	235	PRO	2.4
2	i	1950	LYS	2.4
2	j	1225	GLU	2.4
2	k	1374	THR	2.4
2	k	1620	THR	2.4
2	l	744	GLU	2.4
3	M	88	GLU	2.4
1	C	232	LEU	2.4
1	A	1651	GLY	2.4
1	B	1831	GLY	2.4
1	D	1811	GLY	2.4
1	E	1735	SER	2.4
1	c	1565	GLY	2.4
1	d	1061	SER	2.4
1	e	616	LEU	2.4
1	f	299	GLY	2.4
1	f	778	GLY	2.4
1	f	1250	GLY	2.4
2	G	1705	SER	2.4
2	G	2014	LEU	2.4
2	H	1054	LEU	2.4
2	H	1380	SER	2.4
2	H	1557	SER	2.4
2	I	388	GLY	2.4
2	I	1373	SER	2.4
2	I	1978	SER	2.4
2	J	109	LEU	2.4
2	K	2035	SER	2.4
2	L	1121	SER	2.4
2	L	1602	SER	2.4
2	L	1818	LEU	2.4
2	L	2014	LEU	2.4
2	g	71	LEU	2.4
2	h	1806	GLY	2.4
2	h	2035	SER	2.4
2	j	515	LEU	2.4
1	e	195	GLY	2.4
2	J	1582	GLY	2.4
2	h	554	GLY	2.4
2	k	162	GLY	2.4
2	k	798	GLY	2.4
1	B	71	ALA	2.4

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Mol	Chain	Res	Type	RSRZ
1	B	1621	PHE	2.4
1	B	1832	ALA	2.4
1	C	1136	ALA	2.4
1	F	1369	ALA	2.4
1	F	1747	ALA	2.4
1	a	973	ALA	2.4
1	b	992	PHE	2.4
1	c	1846	ALA	2.4
1	d	1324	ALA	2.4
1	e	1644	PHE	2.4
2	G	87	CYS	2.4
2	G	482	CYS	2.4
2	H	463	PHE	2.4
2	H	946	PHE	2.4
2	H	1339	PHE	2.4
2	H	1966	CYS	2.4
2	I	105	ALA	2.4
2	I	313	ALA	2.4
2	h	824	CYS	2.4
2	h	1294	ALA	2.4
2	h	1597	ALA	2.4
2	i	496	PHE	2.4
2	k	997	ALA	2.4
2	l	984	PHE	2.4
1	C	1154	ILE	2.4
1	F	1617	ILE	2.4
1	d	1533	ILE	2.4
1	f	1204	ILE	2.4
1	f	1403	ILE	2.4
2	G	710	ILE	2.4
2	G	1338	ILE	2.4
1	B	1612	ASP	2.4
1	C	487	ASP	2.4
1	E	1634	ASP	2.4
1	d	1708	ASP	2.4
1	e	403	ASP	2.4
2	H	732	TRP	2.4
2	K	617	ILE	2.4
2	h	439	ILE	2.4
2	k	241	ILE	2.4
2	l	1073	ILE	2.4
2	H	1614	ASP	2.4

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Mol	Chain	Res	Type	RSRZ
2	I	1518	ASP	2.4
2	K	1908	ASP	2.4
2	h	1346	ASP	2.4
2	i	1908	ASP	2.4
2	j	464	ASP	2.4
2	k	467	ASP	2.4
3	N	134	ASP	2.4
1	A	1513	TYR	2.4
1	C	390	VAL	2.4
1	D	1842	VAL	2.4
1	a	1404	VAL	2.4
1	c	922	VAL	2.4
1	d	944	ARG	2.4
1	d	1034	ARG	2.4
1	e	1538	VAL	2.4
1	e	1714	VAL	2.4
1	f	894	ARG	2.4
1	f	1623	TYR	2.4
1	f	1867	VAL	2.4
2	G	1100	VAL	2.4
2	H	778	TYR	2.4
2	I	836	TYR	2.4
2	g	149	VAL	2.4
2	g	1102	TYR	2.4
2	i	1312	VAL	2.4
2	i	1572	TYR	2.4
2	k	1265	MET	2.4
2	l	180	TYR	2.4
3	P	108	VAL	2.4
3	p	86	VAL	2.4
1	B	1288	ASN	2.4
1	C	1087	LYS	2.4
1	C	1413	LYS	2.4
1	C	1690	ASN	2.4
1	E	1066	ASN	2.4
1	F	1288	ASN	2.4
1	a	1345	ASN	2.4
1	b	158	LYS	2.4
1	b	1442	ASN	2.4
2	I	441	LYS	2.4
2	g	316	ASN	2.4
2	j	1039	HIS	2.4

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Mol	Chain	Res	Type	RSRZ
2	l	428	HIS	2.4
1	d	462	LYS	2.4
1	e	500	LYS	2.4
2	l	1341	ASN	2.4
2	l	2002	LYS	2.4
3	M	94	ASN	2.4
1	A	163	LEU	2.4
1	F	1419	PRO	2.4
1	F	1478	PRO	2.4
1	a	238	PRO	2.4
1	A	1120	GLU	2.4
1	C	31	THR	2.4
1	C	1838	GLU	2.4
1	D	8	GLU	2.4
1	D	193	GLU	2.4
1	D	1009	LEU	2.4
1	E	782	GLU	2.4
1	E	935	GLU	2.4
1	F	232	LEU	2.4
1	F	354	LEU	2.4
1	f	214	GLN	2.4
1	f	221	LEU	2.4
1	f	273	PRO	2.4
1	F	1782	GLU	2.4
1	b	510	THR	2.4
1	c	1342	GLU	2.4
1	d	1120	GLU	2.4
1	f	1008	GLU	2.4
1	f	1207	GLN	2.4
1	f	1487	LEU	2.4
2	H	1213	LEU	2.4
2	I	275	GLN	2.4
2	I	761	PRO	2.4
2	I	1085	LEU	2.4
2	J	795	PRO	2.4
2	I	1825	GLU	2.4
2	J	2014	LEU	2.4
2	L	275	GLN	2.4
2	g	361	PRO	2.4
2	h	1987	PRO	2.4
2	i	1576	PRO	2.4
2	k	1176	PRO	2.4

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Mol	Chain	Res	Type	RSRZ
2	k	1237	PRO	2.4
2	G	784	GLU	2.4
2	H	2033	THR	2.4
2	I	697	THR	2.4
2	L	225	THR	2.4
2	g	285	GLU	2.4
2	k	1934	GLU	2.4
2	l	592	LEU	2.4
3	Q	105	GLN	2.4
1	E	177	GLY	2.4
1	e	1031	GLY	2.4
2	h	499	THR	2.4
2	j	1620	THR	2.4
2	l	78	GLY	2.4
3	m	50	GLY	2.4
3	n	22	GLY	2.4
1	D	1350	SER	2.4
1	D	1791	PHE	2.4
1	E	404	SER	2.4
1	E	539	SER	2.4
1	b	772	ALA	2.4
1	c	1024	PHE	2.4
1	d	668	PHE	2.4
1	e	1440	SER	2.4
2	H	340	SER	2.4
2	H	709	SER	2.4
2	H	1865	SER	2.4
2	I	429	SER	2.4
2	I	1154	PHE	2.4
2	L	1554	ALA	2.4
2	g	678	PHE	2.4
2	h	1566	SER	2.4
2	k	1185	SER	2.4
2	k	1906	ALA	2.4
3	m	45	SER	2.4
1	E	172	ILE	2.4
1	F	1871	ILE	2.4
1	a	794	ILE	2.4
1	f	1400	ILE	2.4
2	L	1706	ILE	2.4
2	i	215	ILE	2.4
2	l	283	ILE	2.4

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Mol	Chain	Res	Type	RSRZ
2	h	943	TRP	2.4
2	h	1052	CYS	2.4
2	k	661	TRP	2.4
1	A	428	VAL	2.4
1	B	1713	ASP	2.4
1	B	1717	ASP	2.4
1	C	301	ASP	2.4
1	D	492	ASP	2.4
1	D	519	VAL	2.4
1	D	766	ASP	2.4
1	E	1086	ASP	2.4
1	F	836	ASP	2.4
1	c	429	ASP	2.4
1	d	445	ASP	2.4
1	e	705	VAL	2.4
1	f	1182	ASP	2.4
1	f	1070	ARG	2.4
2	G	1201	VAL	2.4
2	H	149	VAL	2.4
2	I	907	VAL	2.4
2	J	1453	ASP	2.4
2	K	229	ASP	2.4
2	K	745	ASP	2.4
2	h	61	VAL	2.4
2	h	1289	ASP	2.4
2	i	287	ASP	2.4
2	i	539	ASP	2.4
2	j	243	VAL	2.4
2	j	444	VAL	2.4
2	j	1661	VAL	2.4
2	l	353	VAL	2.4
2	l	2031	ASP	2.4
3	Q	101	ASP	2.4
1	B	1251	MET	2.4
1	B	1685	TYR	2.4
1	D	1623	TYR	2.4
1	E	417	TYR	2.4
1	b	1260	MET	2.4
1	c	899	LYS	2.4
1	d	1283	MET	2.4
2	H	750	MET	2.4
2	k	419	ARG	2.4

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Mol	Chain	Res	Type	RSRZ
2	l	1982	MET	2.4
3	Q	48	ARG	2.4
3	R	140	VAL	2.4
2	L	311	TYR	2.4
2	k	453	LYS	2.4
2	l	756	LYS	2.4
1	C	990	LEU	2.4
1	B	1006	PRO	2.3
1	C	1613	ASN	2.4
1	E	829	ASN	2.4
1	F	1790	ASN	2.4
1	b	987	ASN	2.4
1	c	287	LEU	2.4
1	d	1291	LEU	2.4
1	d	825	PRO	2.3
1	d	1854	ASN	2.4
2	G	343	ASN	2.4
2	H	421	LEU	2.4
1	a	515	PRO	2.3
2	H	553	ASN	2.4
2	H	1797	LEU	2.4
2	K	232	LEU	2.4
2	K	303	LEU	2.4
2	g	1241	ASN	2.4
2	g	1306	ASN	2.4
2	h	655	ASN	2.4
2	h	1912	ASN	2.4
2	k	471	LEU	2.4
3	Q	49	LEU	2.4
3	Q	94	ASN	2.4
3	R	37	ASN	2.4
1	A	464	GLU	2.3
1	B	1378	GLU	2.3
1	C	1188	GLN	2.3
1	C	1248	GLY	2.3
1	D	1008	GLU	2.3
1	A	737	PHE	2.3
1	E	240	GLY	2.3
1	E	1337	GLU	2.3
1	c	357	GLY	2.3
1	d	251	GLN	2.3
1	e	1480	GLU	2.3

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Mol	Chain	Res	Type	RSRZ
1	e	1574	GLY	2.3
1	f	1829	GLY	2.3
2	G	689	GLU	2.3
2	G	998	GLN	2.3
2	G	1672	GLN	2.3
2	I	1296	GLU	2.3
2	J	802	GLY	2.3
2	J	1513	GLY	2.3
2	L	1724	GLU	2.3
2	h	333	GLY	2.3
2	h	731	GLN	2.3
2	h	981	GLU	2.3
2	j	111	GLU	2.3
2	j	575	GLY	2.3
2	j	849	GLU	2.3
1	A	1091	ALA	2.3
1	A	1178	ALA	2.3
1	A	1646	PHE	2.3
1	A	1687	PHE	2.3
1	B	634	THR	2.3
1	C	1544	THR	2.3
1	D	241	PHE	2.3
1	D	896	PHE	2.3
1	D	1409	THR	2.3
1	C	1403	ILE	2.3
1	E	1871	ILE	2.3
1	F	885	ALA	2.3
1	b	885	ALA	2.3
1	d	1282	THR	2.3
1	d	1485	PHE	2.3
1	f	339	ALA	2.3
2	H	89	THR	2.3
2	H	144	ALA	2.3
2	H	548	PHE	2.3
2	j	807	ILE	2.3
2	j	986	ALA	2.3
2	j	1154	PHE	2.3
2	k	242	GLY	2.3
2	l	981	GLU	2.3
2	l	1654	GLU	2.3
3	r	105	GLN	2.3
2	H	1473	THR	2.3

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Mol	Chain	Res	Type	RSRZ
2	I	858	ALA	2.3
2	J	1900	ALA	2.3
2	J	1916	PHE	2.3
2	L	509	ALA	2.3
2	L	1787	ALA	2.3
2	g	691	ALA	2.3
2	g	807	ILE	2.3
2	g	1477	ALA	2.3
2	j	1196	THR	2.3
2	k	748	THR	2.3
2	k	958	PHE	2.3
2	l	1991	PHE	2.3
3	N	18	THR	2.3
2	h	617	ILE	2.3
2	j	199	ILE	2.3
2	k	1922	ILE	2.3
3	M	13	ILE	2.3
3	R	13	ILE	2.3
1	C	857	SER	2.3
1	E	73	SER	2.3
1	E	227	SER	2.3
1	a	393	SER	2.3
1	b	1434	SER	2.3
1	d	1249	SER	2.3
2	G	5	SER	2.3
2	I	1124	SER	2.3
2	L	1033	SER	2.3
2	j	1157	SER	2.3
2	j	1817	SER	2.3
2	k	1107	SER	2.3
2	l	26	SER	2.3
2	l	1571	SER	2.3
1	A	44	VAL	2.3
1	C	1639	VAL	2.3
1	c	521	LYS	2.3
1	c	1234	MET	2.3
1	c	1360	ARG	2.3
1	f	43	ARG	2.3
2	G	488	VAL	2.3
1	A	836	ASP	2.3
1	B	1754	LYS	2.3
1	C	1438	TYR	2.3

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Mol	Chain	Res	Type	RSRZ
1	D	504	ASP	2.3
1	D	1668	ASP	2.3
1	D	1868	LYS	2.3
1	E	838	MET	2.3
2	H	485	ARG	2.3
2	I	953	ARG	2.3
2	J	485	ARG	2.3
2	K	1398	ARG	2.3
2	L	1020	VAL	2.3
2	i	732	TRP	2.3
2	j	1254	VAL	2.3
2	l	785	TRP	2.3
2	J	1319	MET	2.3
2	L	1949	LYS	2.3
2	g	847	ARG	2.3
2	g	1413	ARG	2.3
2	l	1648	VAL	2.3
2	h	1989	LYS	2.3
2	i	481	ASP	2.3
2	j	63	LYS	2.3
3	r	110	ARG	2.3
1	E	69	ASP	2.3
1	e	1529	TYR	2.3
1	f	1634	ASP	2.3
2	G	694	TYR	2.3
2	G	1614	ASP	2.3
2	J	711	ASP	2.3
2	h	442	ASP	2.3
1	D	926	LEU	2.3
2	H	183	LEU	2.3
2	H	263	LEU	2.3
2	H	1034	LEU	2.3
2	l	145	LEU	2.3
1	A	1239	HIS	2.3
1	c	1542	HIS	2.3
2	h	723	HIS	2.3
2	h	1564	HIS	2.3
2	i	723	HIS	2.3
2	k	1087	HIS	2.3
1	D	1362	PRO	2.3
2	H	74	PRO	2.3
2	H	1365	PRO	2.3

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Mol	Chain	Res	Type	RSRZ
2	I	1315	PRO	2.3
2	J	1576	PRO	2.3
2	L	1250	PRO	2.3
1	C	63	ASN	2.3
1	a	438	ASN	2.3
1	d	618	ASN	2.3
1	B	837	GLY	2.3
1	C	928	GLY	2.3
1	F	918	GLN	2.3
1	B	1641	ILE	2.3
1	D	1048	GLU	2.3
1	D	1204	ILE	2.3
1	D	1654	ILE	2.3
1	D	1702	GLU	2.3
1	D	1795	GLU	2.3
1	E	147	ALA	2.3
1	E	1378	GLU	2.3
1	F	524	GLN	2.3
1	F	767	ALA	2.3
1	F	1228	ILE	2.3
1	a	513	GLU	2.3
1	a	654	GLN	2.3
1	b	263	GLY	2.3
1	c	1026	GLU	2.3
1	c	1031	GLY	2.3
1	c	1802	GLN	2.3
1	d	239	GLY	2.3
1	e	1364	GLU	2.3
1	e	1378	GLU	2.3
1	e	1458	GLN	2.3
2	G	644	GLY	2.3
2	G	1666	PHE	2.3
2	I	1633	ASN	2.3
2	J	1220	GLN	2.3
2	J	1721	PHE	2.3
2	K	1674	GLN	2.3
2	L	305	PHE	2.3
2	j	446	ASN	2.3
2	k	558	ASN	2.3
2	H	948	GLY	2.3
2	L	1577	GLY	2.3
2	g	505	GLY	2.3

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Mol	Chain	Res	Type	RSRZ
2	j	1144	GLY	2.3
2	k	739	GLY	2.3
2	k	1309	GLU	2.3
2	k	1897	GLN	2.3
2	l	899	PHE	2.3
1	b	147	ALA	2.3
1	e	530	ALA	2.3
2	G	299	ALA	2.3
2	G	313	ALA	2.3
2	G	1570	ALA	2.3
3	O	106	GLU	2.3
3	R	77	GLY	2.3
2	I	535	ILE	2.3
2	J	1159	ILE	2.3
2	J	1593	ILE	2.3
2	K	127	ILE	2.3
2	g	1922	ILE	2.3
2	h	374	ALA	2.3
2	h	457	ILE	2.3
2	i	483	ILE	2.3
3	p	34	GLU	2.3
1	A	1749	THR	2.3
1	B	872	THR	2.3
1	a	1749	THR	2.3
1	c	910	THR	2.3
1	e	1172	THR	2.3
1	e	1666	THR	2.3
2	I	128	THR	2.3
2	I	194	THR	2.3
2	g	499	THR	2.3
2	j	1546	THR	2.3
3	m	112	THR	2.3
3	q	112	THR	2.3
1	A	493	VAL	2.3
1	A	967	VAL	2.3
1	C	50	SER	2.3
1	E	1137	SER	2.3
1	F	1218	SER	2.3
1	a	267	VAL	2.3
1	a	1714	VAL	2.3
1	b	840	SER	2.3
1	e	34	VAL	2.3

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Mol	Chain	Res	Type	RSRZ
2	H	965	SER	2.3
2	H	1772	SER	2.3
2	K	1033	SER	2.3
2	g	1373	SER	2.3
2	h	1661	VAL	2.3
2	h	1838	MET	2.3
2	i	132	MET	2.3
2	i	1282	ARG	2.3
2	j	459	VAL	2.3
2	k	603	SER	2.3
1	B	1763	LYS	2.3
1	D	1514	LYS	2.3
1	a	923	MET	2.3
1	a	1754	LYS	2.3
1	c	838	MET	2.3
1	e	607	LYS	2.3
1	f	396	ARG	2.3
2	G	1388	LYS	2.3
2	I	2002	LYS	2.3
2	K	1270	TRP	2.3
2	L	903	TRP	2.3
2	g	759	ARG	2.3
2	k	1636	LYS	2.3
2	l	7	ARG	2.3
2	l	526	ARG	2.3
3	N	86	VAL	2.3
2	g	1229	MET	2.3
2	g	1358	LYS	2.3
2	k	856	LYS	2.3
1	A	522	LEU	2.3
1	A	1660	TYR	2.3
1	C	1009	LEU	2.3
1	C	1564	LEU	2.3
1	F	1275	LEU	2.3
1	b	1623	TYR	2.3
1	c	150	LEU	2.3
1	d	839	TYR	2.3
2	G	187	LEU	2.3
2	H	1833	TYR	2.3
2	K	1833	TYR	2.3
2	i	929	LEU	2.3
2	j	1940	LEU	2.3

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Mol	Chain	Res	Type	RSRZ
1	A	459	ASP	2.3
1	A	785	ASP	2.3
1	a	836	ASP	2.3
1	c	1088	ASP	2.3
2	I	1299	ASP	2.3
2	J	1801	ASP	2.3
2	K	1289	ASP	2.3
2	i	1945	ASP	2.3
2	k	1458	ASP	2.3
2	k	1801	ASP	2.3
2	l	1599	ASP	2.3
1	D	1421	PRO	2.3
1	a	1873	HIS	2.3
2	G	18	HIS	2.3
2	J	1538	PRO	2.3
2	K	260	PRO	2.3
2	L	740	HIS	2.3
2	L	855	HIS	2.3
2	k	1977	HIS	2.3
1	B	259	GLY	2.3
1	D	389	GLY	2.3
1	D	1733	PHE	2.3
1	E	1223	PHE	2.3
1	F	255	GLY	2.3
1	a	668	PHE	2.3
1	a	1250	GLY	2.3
1	d	188	GLY	2.3
1	c	791	ALA	2.3
1	c	823	ILE	2.3
1	e	1779	ILE	2.3
1	f	1537	GLY	2.3
2	K	450	PHE	2.3
2	K	801	PHE	2.3
2	I	1709	ILE	2.3
2	I	2041	ILE	2.3
2	J	684	GLY	2.3
2	i	548	PHE	2.3
1	A	183	GLN	2.3
1	C	185	GLU	2.3
1	C	772	ALA	2.3
1	D	701	ALA	2.3
1	D	983	GLN	2.3

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Mol	Chain	Res	Type	RSRZ
1	D	1405	ALA	2.3
1	E	743	GLN	2.3
1	E	1040	GLU	2.3
1	E	1442	ASN	2.3
1	F	618	ASN	2.3
1	F	969	ASN	2.3
1	F	1135	GLU	2.3
1	a	211	GLU	2.3
1	a	1040	GLU	2.3
1	b	7	GLN	2.3
1	d	1648	GLN	2.3
2	I	1220	GLN	2.3
2	K	1920	GLN	2.3
2	L	234	ILE	2.3
2	I	1291	GLU	2.3
2	J	1497	GLU	2.3
2	L	808	ALA	2.3
2	L	1892	ASN	2.3
2	g	447	ASN	2.3
2	g	1276	ASN	2.3
2	h	1800	ALA	2.3
2	i	440	ASN	2.3
2	i	553	ASN	2.3
2	i	1068	GLU	2.3
2	i	1508	ALA	2.3
2	k	99	ASN	2.3
2	k	627	ALA	2.3
2	k	872	ILE	2.3
2	g	1869	GLU	2.3
2	k	1778	GLN	2.3
2	l	158	ALA	2.3
2	l	193	GLU	2.3
2	l	774	ALA	2.3
3	Q	106	GLU	2.3
1	B	1491	ARG	2.3
1	D	176	VAL	2.3
1	C	1445	MET	2.3
1	C	1759	MET	2.3
1	D	247	ARG	2.3
1	D	665	LYS	2.3
1	F	1491	ARG	2.3
1	a	2	LYS	2.3

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Mol	Chain	Res	Type	RSRZ
1	a	76	ARG	2.3
1	a	1236	LYS	2.3
1	b	1035	THR	2.3
1	b	1360	ARG	2.3
1	c	348	ARG	2.3
1	d	300	VAL	2.3
1	d	1169	LYS	2.3
1	d	1349	THR	2.3
1	e	146	LYS	2.3
1	e	1068	LYS	2.3
1	f	1035	THR	2.3
2	G	345	THR	2.3
2	I	1293	THR	2.3
2	I	1495	THR	2.3
2	J	1750	LYS	2.3
2	g	252	THR	2.3
2	g	1024	ARG	2.3
2	g	1166	VAL	2.3
2	i	1318	THR	2.3
2	k	334	VAL	2.3
2	l	356	THR	2.3
2	l	1395	THR	2.3
3	N	133	VAL	2.3
3	o	107	THR	2.3
1	b	1808	SER	2.3
1	d	1067	LEU	2.3
1	e	440	MET	2.3
2	H	1163	LYS	2.3
1	B	741	SER	2.3
1	F	434	SER	2.3
1	a	539	SER	2.3
1	a	627	SER	2.3
2	H	116	LEU	2.3
2	H	213	LEU	2.3
2	g	1404	MET	2.3
2	h	469	ARG	2.3
2	I	510	SER	2.3
2	I	1600	SER	2.3
2	J	289	TRP	2.3
2	L	1850	SER	2.3
2	h	510	SER	2.3
2	i	1850	SER	2.3

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Mol	Chain	Res	Type	RSRZ
2	j	671	SER	2.3
1	c	1529	TYR	2.3
2	G	1891	TYR	2.3
2	J	126	TYR	2.3
1	A	499	PRO	2.3
1	A	1100	HIS	2.3
1	B	828	PRO	2.3
1	B	1088	ASP	2.3
1	B	1239	HIS	2.3
1	B	1563	HIS	2.3
1	F	992	PHE	2.3
1	a	637	PHE	2.3
1	b	1708	ASP	2.3
1	c	1713	ASP	2.3
1	c	1852	HIS	2.3
1	d	25	PRO	2.3
1	d	1086	ASP	2.3
1	d	1111	PHE	2.3
1	d	1772	ASP	2.3
1	e	1550	ASP	2.3
1	e	1847	PRO	2.3
1	f	1059	PHE	2.3
1	f	1612	ASP	2.3
2	G	727	PRO	2.3
2	G	830	ASP	2.3
2	G	853	PRO	2.3
2	G	1278	ASP	2.3
2	H	51	ASP	2.3
2	H	657	PHE	2.3
2	H	1017	PHE	2.3
2	H	1519	PHE	2.3
2	H	1564	HIS	2.3
2	I	548	PHE	2.3
2	I	1543	ASP	2.3
2	J	1299	ASP	2.3
2	K	28	PHE	2.3
2	K	170	PHE	2.3
2	K	1075	ASP	2.3
2	K	1165	PHE	2.3
2	K	1344	ASP	2.3
2	L	559	PRO	2.3
2	L	1679	ASP	2.3

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Mol	Chain	Res	Type	RSRZ
2	g	548	PHE	2.3
2	g	1695	ASP	2.3
2	h	540	ASP	2.3
2	i	13	HIS	2.3
2	i	403	ASP	2.3
2	i	1103	PHE	2.3
2	i	1552	PRO	2.3
2	j	1274	PRO	2.3
2	j	1518	ASP	2.3
2	l	567	PRO	2.3
3	o	78	ASP	2.3
1	D	498	GLY	2.3
1	D	1422	GLY	2.3
1	E	55	GLY	2.3
1	E	1331	GLY	2.3
1	a	178	GLY	2.3
1	a	1154	ILE	2.3
1	a	1533	ILE	2.3
1	e	794	ILE	2.3
2	G	164	GLY	2.3
2	G	1798	ILE	2.3
2	H	236	ILE	2.3
2	H	1668	GLY	2.3
2	I	570	ILE	2.3
2	I	600	CYS	2.3
2	I	1356	GLY	2.3
2	I	1677	GLY	2.3
2	L	242	GLY	2.3
2	L	798	GLY	2.3
2	h	851	GLY	2.3
2	h	909	GLY	2.3
2	i	872	ILE	2.3
2	i	1287	GLY	2.3
2	j	373	GLY	2.3
2	j	704	GLY	2.3
2	k	14	GLY	2.3
1	A	214	GLN	2.3
1	B	604	ALA	2.3
1	B	859	ALA	2.3
1	B	1007	ALA	2.3
1	E	1141	ALA	2.3
1	a	1799	CYS	2.3

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Mol	Chain	Res	Type	RSRZ
1	A	381	GLU	2.3
1	A	1142	GLU	2.3
1	A	1667	GLU	2.3
1	B	782	GLU	2.3
1	E	16	GLU	2.3
1	E	1142	GLU	2.3
1	E	1345	ASN	2.3
1	E	1385	GLN	2.3
1	b	812	ALA	2.3
1	b	975	ALA	2.3
1	c	1882	ALA	2.3
1	f	63	ASN	2.3
2	G	93	ASN	2.3
2	G	1161	GLN	2.3
2	H	509	ALA	2.3
2	I	1125	ALA	2.3
2	K	1659	GLN	2.3
2	L	1061	GLN	2.3
2	L	1152	ALA	2.3
1	E	1496	GLU	2.3
1	a	538	GLU	2.3
1	a	946	GLU	2.3
1	a	1245	ASN	2.3
1	d	444	ASN	2.3
1	d	465	ASN	2.3
2	H	85	ASN	2.3
2	H	921	GLU	2.3
2	I	1645	GLU	2.3
2	J	153	ASN	2.3
2	L	1644	ASN	2.3
2	L	1656	GLU	2.3
2	g	1757	GLU	2.3
2	g	2040	GLU	2.3
2	h	998	GLN	2.3
2	h	1674	GLN	2.3
2	j	1870	ALA	2.3
2	h	1259	ASN	2.3
2	h	1961	GLU	2.3
2	i	1654	GLU	2.3
2	i	1739	GLU	2.3
2	i	1887	GLU	2.3
2	j	1136	GLU	2.3

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Mol	Chain	Res	Type	RSRZ
2	k	2046	GLU	2.3
3	N	90	GLU	2.3
3	m	94	ASN	2.3
3	n	94	ASN	2.3
3	o	46	ASN	2.3
1	A	390	VAL	2.3
1	B	179	LYS	2.3
1	B	333	LYS	2.3
1	C	2	LYS	2.3
1	C	1842	VAL	2.3
1	D	1551	LYS	2.3
1	E	298	VAL	2.3
1	E	724	LYS	2.3
1	F	432	VAL	2.3
1	b	1656	VAL	2.3
1	A	74	LEU	2.3
1	E	1721	ARG	2.3
1	d	1835	LYS	2.3
1	e	365	LYS	2.3
1	f	1323	LYS	2.3
2	G	812	LYS	2.3
2	G	1163	LYS	2.3
2	I	1496	LYS	2.3
2	J	353	VAL	2.3
2	J	576	LYS	2.3
2	K	489	LYS	2.3
2	L	459	VAL	2.3
2	h	296	VAL	2.3
2	h	638	VAL	2.3
2	i	1439	LYS	2.3
2	j	1913	VAL	2.3
2	l	1349	LYS	2.3
2	l	1613	VAL	2.3
1	C	1361	THR	2.3
1	C	1592	MET	2.3
1	E	1300	THR	2.3
1	F	53	LEU	2.3
1	F	168	MET	2.3
1	F	1445	MET	2.3
1	F	1851	LEU	2.3
1	b	863	THR	2.3
1	c	1377	MET	2.3

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Mol	Chain	Res	Type	RSRZ
2	G	1730	ARG	2.3
1	e	625	THR	2.3
1	f	181	THR	2.3
1	f	216	THR	2.3
1	f	1580	LEU	2.3
2	G	1580	THR	2.3
2	H	431	LEU	2.3
2	J	41	LEU	2.3
2	L	1881	ARG	2.3
2	l	485	ARG	2.3
3	o	17	LYS	2.3
2	J	128	THR	2.3
2	L	259	THR	2.3
2	L	431	LEU	2.3
2	L	1426	THR	2.3
2	i	794	MET	2.3
2	i	906	THR	2.3
2	j	1578	THR	2.3
2	k	119	THR	2.3
3	Q	56	LEU	2.3
3	R	28	LEU	2.3
1	A	1508	TRP	2.3
1	F	1286	TRP	2.3
1	a	1201	SER	2.3
1	b	1545	SER	2.3
1	c	1662	TYR	2.3
1	f	68	TYR	2.3
2	G	1354	SER	2.3
2	H	2035	SER	2.3
2	J	466	SER	2.3
2	K	1235	SER	2.3
2	g	69	SER	2.3
2	g	1625	SER	2.3
2	i	848	SER	2.3
2	i	2010	TYR	2.3
2	k	970	TYR	2.3
1	a	1341	PHE	2.3
1	d	22	PHE	2.3
1	d	737	PHE	2.3
1	f	194	PHE	2.3
1	f	1223	PHE	2.3
2	H	931	PHE	2.3

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Mol	Chain	Res	Type	RSRZ
2	H	1941	PHE	2.3
2	I	1941	PHE	2.3
2	J	678	PHE	2.3
2	K	1804	PHE	2.3
2	L	1964	PHE	2.3
2	l	37	PHE	2.3
1	B	29	ILE	2.3
1	B	815	ILE	2.3
1	D	1521	PRO	2.3
1	E	1103	ILE	2.3
1	F	1204	ILE	2.3
2	H	1488	PRO	2.3
2	I	1057	PRO	2.3
2	I	1967	ILE	2.3
2	I	1975	PRO	2.3
2	I	1997	ILE	2.3
2	K	537	PRO	2.3
1	A	507	GLY	2.3
1	A	1481	ASP	2.3
1	C	1161	GLY	2.3
1	C	1252	GLY	2.3
1	D	1634	ASP	2.3
1	F	1202	ASP	2.3
1	a	1689	HIS	2.3
1	b	92	PRO	2.3
1	c	157	HIS	2.3
1	c	167	PRO	2.3
2	G	235	PRO	2.3
1	a	608	ASP	2.3
1	a	647	GLY	2.3
1	b	1650	GLY	2.3
1	f	1866	ASP	2.3
2	G	711	ASP	2.3
2	G	1093	ASP	2.3
2	G	1677	GLY	2.3
2	G	1769	GLY	2.3
2	G	2028	ASP	2.3
2	H	790	ASP	2.3
2	J	745	ASP	2.3
2	K	454	ASP	2.3
2	K	776	ASP	2.3
2	L	428	HIS	2.3

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Mol	Chain	Res	Type	RSRZ
2	L	940	ASP	2.3
2	h	14	GLY	2.3
2	h	1056	GLY	2.3
2	j	1938	GLY	2.3
2	k	826	GLY	2.3
2	l	363	GLY	2.3
3	n	77	GLY	2.3
3	p	113	GLY	2.3
1	A	1007	ALA	2.3
1	C	747	ALA	2.3
1	C	1855	ALA	2.3
1	D	409	ALA	2.3
1	a	1429	ALA	2.3
1	a	1846	ALA	2.3
1	e	436	ALA	2.3
1	e	1407	ALA	2.3
1	e	1590	ALA	2.3
1	e	1810	ALA	2.3
2	G	284	ALA	2.3
2	k	1099	ALA	2.3
1	A	80	CYS	2.3
1	E	757	LYS	2.3
1	F	26	VAL	2.3
1	F	1385	GLN	2.3
1	a	521	LYS	2.3
1	A	232	LEU	2.3
1	A	1221	GLU	2.3
1	A	1782	GLU	2.3
1	A	1864	VAL	2.3
1	B	1179	LEU	2.3
1	C	193	GLU	2.3
1	C	873	ARG	2.3
1	D	1016	GLU	2.3
1	b	256	LEU	2.3
1	b	1799	CYS	2.3
1	c	1577	GLN	2.3
1	c	1789	ARG	2.3
1	d	87	GLU	2.3
1	d	873	ARG	2.3
1	d	908	LEU	2.3
1	d	985	ARG	2.3
1	d	1378	GLU	2.3

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Mol	Chain	Res	Type	RSRZ
1	e	694	GLN	2.3
1	e	1741	LYS	2.3
1	f	957	VAL	2.3
1	f	1135	GLU	2.3
2	G	262	GLU	2.3
2	G	1044	VAL	2.3
2	I	1043	VAL	2.3
2	J	172	GLU	2.3
2	K	77	VAL	2.3
2	K	975	LYS	2.3
2	K	1928	GLN	2.3
2	K	1797	LEU	2.3
2	L	116	LEU	2.3
2	L	1216	GLU	2.3
2	h	178	GLN	2.3
2	h	1839	GLN	2.3
2	j	888	ARG	2.3
2	j	956	GLU	2.3
2	j	1309	GLU	2.3
2	j	1343	VAL	2.3
2	l	1048	VAL	2.3
2	l	1920	GLN	2.3
3	p	105	GLN	2.3
1	C	1552	ASN	2.3
1	F	908	LEU	2.3
1	d	1442	ASN	2.3
1	f	1374	ASN	2.3
1	f	1443	LEU	2.3
2	I	860	ARG	2.3
2	I	1676	MET	2.3
2	K	183	LEU	2.3
2	L	896	ASN	2.3
2	L	1960	LEU	2.3
2	g	964	LEU	2.3
2	h	650	ASN	2.3
2	h	794	MET	2.3
2	j	1415	ASN	2.3
2	j	1915	ASN	2.3
2	k	1847	LEU	2.3
2	l	1606	ARG	2.3
3	N	9	ARG	2.3
3	p	139	ASN	2.3

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Mol	Chain	Res	Type	RSRZ
1	A	1885	THR	2.3
1	B	1372	THR	2.3
1	C	961	THR	2.3
1	F	1428	THR	2.3
1	c	1528	THR	2.3
1	d	1160	THR	2.3
2	G	1911	THR	2.3
2	g	963	THR	2.3
2	h	1837	THR	2.3
2	k	1051	THR	2.3
2	l	1342	THR	2.3
2	l	1909	THR	2.3
1	A	786	SER	2.3
1	B	1293	SER	2.3
1	D	1479	SER	2.3
1	D	1808	SER	2.3
1	F	1062	TYR	2.3
1	b	225	SER	2.3
1	b	855	SER	2.3
1	c	1062	TYR	2.3
1	c	1827	SER	2.3
1	d	1628	SER	2.3
1	e	1308	SER	2.3
1	f	95	SER	2.3
2	G	1506	TYR	2.3
2	G	1762	TYR	2.3
2	H	141	SER	2.3
2	L	1826	SER	2.3
2	g	1266	TYR	2.3
2	j	970	TYR	2.3
2	j	1586	SER	2.3
3	M	38	SER	2.3
3	O	82	TYR	2.3
2	I	543	PHE	2.3
2	i	1738	PHE	2.3
2	k	1804	PHE	2.3
3	n	149	PHE	2.3
1	D	47	ILE	2.3
1	D	1280	ILE	2.3
1	D	1387	ILE	2.3
1	F	883	ILE	2.3
1	c	1228	ILE	2.3

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Mol	Chain	Res	Type	RSRZ
1	d	1224	ILE	2.3
1	d	1750	ILE	2.3
2	J	1053	ILE	2.3
2	J	1563	ILE	2.3
2	L	368	ILE	2.3
2	L	1501	ILE	2.3
2	k	479	ILE	2.3
2	k	641	ILE	2.3
1	D	1574	GLY	2.3
1	E	1399	PRO	2.3
1	a	1793	PRO	2.3
1	B	70	ALA	2.3
1	B	639	HIS	2.3
1	C	54	ALA	2.3
1	C	1611	ALA	2.3
1	C	1761	LYS	2.3
1	D	146	LYS	2.3
1	D	1379	ALA	2.3
1	E	152	HIS	2.3
1	E	178	GLY	2.3
1	b	257	PRO	2.3
1	e	1582	GLY	2.3
2	H	235	PRO	2.3
2	G	741	HIS	2.3
2	H	708	GLY	2.3
2	I	734	GLY	2.3
2	I	988	PRO	2.3
2	I	1365	PRO	2.3
2	J	976	PRO	2.3
2	K	1975	PRO	2.3
2	L	792	PRO	2.3
2	L	828	PRO	2.3
2	i	595	PRO	2.3
2	j	1720	HIS	2.3
2	j	1848	GLY	2.3
2	k	23	PRO	2.3
2	k	1019	PRO	2.3
1	F	1033	ALA	2.3
2	I	869	ASP	2.3
2	I	1141	ALA	2.3
2	I	1302	HIS	2.3
2	J	1939	HIS	2.3

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Mol	Chain	Res	Type	RSRZ
2	K	741	HIS	2.3
2	K	1628	HIS	2.3
1	c	1150	ASP	2.3
1	c	1182	ASP	2.3
1	e	173	LYS	2.3
1	e	391	ALA	2.3
1	f	84	ASP	2.3
1	f	1081	LYS	2.3
1	f	1086	ASP	2.3
2	G	481	ASP	2.3
2	G	889	ASP	2.3
2	H	1022	ASP	2.3
2	H	1096	LYS	2.3
1	F	1453	VAL	2.3
1	a	300	VAL	2.3
1	A	1794	GLN	2.3
1	A	1828	LEU	2.3
1	B	953	VAL	2.3
1	B	1614	VAL	2.3
2	H	1679	ASP	2.3
2	H	1970	VAL	2.3
2	I	1316	ASP	2.3
2	J	1639	LYS	2.3
2	K	1439	LYS	2.3
2	K	1440	ASP	2.3
2	K	1814	ALA	2.3
2	L	30	ALA	2.3
2	h	1512	HIS	2.3
2	L	113	ASP	2.3
2	g	1013	LYS	2.3
2	g	1245	ASP	2.3
2	g	1440	ASP	2.3
2	h	204	ASP	2.3
2	h	1791	ASP	2.3
2	j	512	LEU	2.3
2	j	1058	VAL	2.3
2	j	1304	VAL	2.3
2	j	1505	ASP	2.3
2	k	1065	VAL	2.3
2	l	776	ASP	2.3
2	l	1310	ASP	2.3
1	C	1492	GLU	2.3

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Mol	Chain	Res	Type	RSRZ
1	D	1445	MET	2.3
1	E	292	GLN	2.3
1	E	985	ARG	2.3
1	F	190	LEU	2.3
1	c	1876	LEU	2.3
1	b	1488	GLU	2.3
1	c	16	GLU	2.3
1	d	1336	GLN	2.3
1	d	1394	LEU	2.3
1	e	432	VAL	2.3
1	a	1416	ARG	2.3
1	b	77	GLU	2.3
1	f	342	GLN	2.3
1	f	1378	GLU	2.3
1	f	1797	GLU	2.3
2	G	1825	GLU	2.3
2	G	1839	GLN	2.3
2	I	592	LEU	2.3
2	J	108	LEU	2.3
2	G	2024	GLU	2.3
2	H	332	GLU	2.3
2	I	338	MET	2.3
2	I	956	GLU	2.3
2	J	660	GLN	2.3
2	J	928	GLU	2.3
2	K	1379	GLU	2.3
2	L	806	MET	2.3
2	L	998	GLN	2.3
2	l	324	LEU	2.3
2	g	1222	GLU	2.3
2	h	1887	GLU	2.3
2	i	1225	GLU	2.3
2	j	197	GLU	2.3
2	j	1180	MET	2.3
2	k	1296	GLU	2.3
1	B	1281	ASN	2.3
1	D	1483	ASN	2.3
1	a	1327	CYS	2.3
1	a	1748	ASN	2.3
1	c	1608	ASN	2.3
1	e	987	ASN	2.3
1	e	1799	CYS	2.3

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Mol	Chain	Res	Type	RSRZ
1	f	457	ASN	2.3
2	J	1276	ASN	2.3
2	k	600	CYS	2.3
3	m	40	ASN	2.3
1	B	1798	TYR	2.3
1	E	286	PHE	2.3
1	E	848	THR	2.3
1	E	1792	THR	2.3
1	b	871	TRP	2.3
1	b	1376	PHE	2.3
1	c	1820	PHE	2.3
1	d	672	THR	2.3
1	e	1621	PHE	2.3
1	f	797	THR	2.3
2	G	80	PHE	2.3
2	G	1463	THR	2.3
2	J	314	TYR	2.3
2	J	1298	TYR	2.3
2	g	67	TYR	2.3
2	I	606	PHE	2.3
2	K	1916	PHE	2.3
2	g	225	THR	2.3
2	i	541	TYR	2.3
2	g	1450	PHE	2.3
2	g	1804	PHE	2.3
2	j	128	THR	2.3
2	j	1470	THR	2.3
2	k	89	THR	2.3
2	k	286	THR	2.3
2	k	813	THR	2.3
1	B	47	ILE	2.3
1	B	539	SER	2.3
1	C	166	ILE	2.3
1	D	623	SER	2.3
1	E	1787	ILE	2.3
1	d	1340	SER	2.3
2	G	773	SER	2.3
2	G	1808	SER	2.3
2	H	358	SER	2.3
2	I	528	ILE	2.3
2	I	1824	ILE	2.3
2	J	1566	SER	2.3

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Mol	Chain	Res	Type	RSRZ
2	h	714	SER	2.3
2	h	755	SER	2.3
2	h	1224	ILE	2.3
2	i	687	SER	2.3
1	A	1793	PRO	2.3
1	E	3	PRO	2.3
1	A	1821	LYS	2.3
1	B	1058	GLY	2.3
1	B	1296	GLY	2.3
1	C	383	GLY	2.3
1	E	1250	GLY	2.3
1	E	1571	PRO	2.3
1	E	1718	PRO	2.3
1	F	1705	PRO	2.3
1	a	819	PRO	2.3
1	a	1650	GLY	2.3
1	c	1362	PRO	2.3
1	e	219	GLY	2.3
1	e	273	PRO	2.3
1	e	1192	GLY	2.3
1	e	1227	GLY	2.3
1	e	1259	GLY	2.3
1	f	819	PRO	2.3
1	f	1606	PRO	2.3
2	G	686	PRO	2.3
2	H	853	PRO	2.3
2	H	1660	PRO	2.3
2	H	1993	LYS	2.3
2	K	363	GLY	2.3
2	K	1019	PRO	2.3
2	i	1237	PRO	2.3
1	B	295	ALA	2.3
1	C	1773	VAL	2.3
1	D	369	ALA	2.3
1	D	1878	ALA	2.3
1	E	1256	ALA	2.3
1	E	1719	LEU	2.3
1	F	176	VAL	2.3
1	a	830	HIS	2.3
1	a	1405	ALA	2.3
1	b	328	LEU	2.3
1	b	723	ALA	2.3

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Mol	Chain	Res	Type	RSRZ
1	c	269	LEU	2.3
1	d	613	VAL	2.3
1	d	1167	LEU	2.3
1	d	1879	VAL	2.3
1	f	1527	ALA	2.3
2	h	1786	LYS	2.3
2	i	576	LYS	2.3
2	i	256	LEU	2.3
2	i	1034	LEU	2.3
2	i	1065	VAL	2.3
2	i	2016	ALA	2.3
2	k	672	LYS	2.3
2	k	1345	GLY	2.3
2	H	1616	VAL	2.3
2	H	1927	LEU	2.3
2	I	96	LEU	2.3
2	I	231	LEU	2.3
2	I	1284	VAL	2.3
2	I	1813	ALA	2.3
2	J	1194	VAL	2.3
2	J	1927	LEU	2.3
2	K	1802	ALA	2.3
2	h	1078	HIS	2.3
2	j	203	LEU	2.3
2	k	700	LEU	2.3
2	k	1914	LEU	2.3
2	l	2016	ALA	2.3
3	p	4	ALA	2.3
1	A	878	MET	2.3
1	C	795	MET	2.3
1	C	1511	ASP	2.3
1	D	1313	ASP	2.3
1	a	764	ASP	2.3
1	d	608	ASP	2.3
1	d	652	ASP	2.3
1	d	1874	ASP	2.3
1	e	795	MET	2.3
1	e	873	ARG	2.3
2	G	1905	ARG	2.3
2	I	2028	ASP	2.3
2	K	829	ASP	2.3
2	K	1801	ASP	2.3

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Mol	Chain	Res	Type	RSRZ
2	L	999	ASP	2.3
2	L	1227	ARG	2.3
2	L	1559	ASP	2.3
2	g	711	ASP	2.3
2	g	1923	ASP	2.3
2	h	944	ARG	2.3
2	h	1280	ASP	2.3
2	i	526	ARG	2.3
2	j	776	ASP	2.3
2	j	794	MET	2.3
2	l	1278	ASP	2.3
2	l	1820	ASP	2.3
1	B	272	GLU	2.2
1	B	411	GLN	2.3
1	C	719	GLN	2.3
1	C	1473	GLU	2.2
1	D	1242	GLU	2.2
1	E	1117	GLU	2.2
1	F	1553	GLU	2.2
1	c	1135	GLU	2.2
1	e	809	GLN	2.3
1	e	1337	GLU	2.2
1	f	739	GLN	2.3
1	f	1598	GLN	2.3
2	G	1094	GLU	2.2
2	I	97	GLU	2.2
2	K	97	GLU	2.2
2	h	564	GLU	2.2
2	i	1146	GLU	2.2
2	k	1673	GLU	2.2
3	n	43	GLN	2.3
1	B	1790	ASN	2.2
1	D	1695	ASN	2.2
1	A	377	TYR	2.2
1	A	1332	TYR	2.2
1	B	1646	PHE	2.2
1	C	839	TYR	2.2
1	E	1626	TYR	2.2
1	F	1037	TRP	2.2
1	c	751	PHE	2.2
1	d	853	TRP	2.2
1	d	860	ASN	2.2

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Mol	Chain	Res	Type	RSRZ
1	d	1613	ASN	2.2
1	f	1558	ASN	2.2
2	I	785	TRP	2.2
2	I	1619	ASN	2.2
2	J	1595	ASN	2.2
2	L	447	ASN	2.2
2	L	553	ASN	2.2
2	j	376	ASN	2.2
2	k	451	ASN	2.2
1	a	81	TYR	2.2
1	a	751	PHE	2.2
1	a	1621	PHE	2.2
1	e	1662	TYR	2.2
2	H	1988	PHE	2.2
2	J	1062	PHE	2.2
2	K	80	PHE	2.2
2	L	1139	PHE	2.2
2	h	2010	TYR	2.2
2	j	1866	PHE	2.2
2	k	170	PHE	2.2
1	C	672	THR	2.2
1	C	1191	THR	2.2
1	D	166	ILE	2.2
1	D	196	THR	2.2
1	D	1035	THR	2.2
1	F	1403	ILE	2.2
1	a	1839	ILE	2.2
1	c	688	ILE	2.2
1	c	1581	THR	2.2
1	d	688	ILE	2.2
1	e	869	ILE	2.2
2	G	1837	THR	2.2
2	H	528	ILE	2.2
2	I	1133	THR	2.2
2	J	499	THR	2.2
2	g	1189	THR	2.2
2	g	1498	THR	2.2
2	h	271	THR	2.2
2	h	947	THR	2.2
2	k	188	ILE	2.2
2	k	857	ILE	2.2
1	A	1046	SER	2.2

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Mol	Chain	Res	Type	RSRZ
1	A	1301	PRO	2.2
1	B	296	SER	2.2
1	C	702	LYS	2.2
1	C	1101	SER	2.2
1	E	1350	SER	2.2
1	C	228	LEU	2.2
1	C	1517	PRO	2.2
1	D	911	PRO	2.2
1	F	631	PRO	2.2
1	F	643	LYS	2.2
1	F	1863	GLY	2.2
1	a	1853	GLY	2.2
1	a	1857	LYS	2.2
1	b	1101	SER	2.2
1	b	1321	SER	2.2
1	d	1643	SER	2.2
1	b	1876	LEU	2.2
1	c	1530	GLY	2.2
1	e	1244	GLY	2.2
1	f	82	SER	2.2
1	f	620	SER	2.2
1	f	670	GLY	2.2
1	f	1078	SER	2.2
1	f	1540	SER	2.2
2	G	261	GLY	2.2
2	G	603	SER	2.2
2	G	768	GLY	2.2
2	G	1394	GLY	2.2
2	G	1921	LYS	2.2
2	H	295	SER	2.2
2	H	1373	SER	2.2
2	I	599	PRO	2.2
2	I	1250	PRO	2.2
2	I	1490	LYS	2.2
2	H	1813	ALA	2.2
2	I	377	LEU	2.2
2	I	1576	PRO	2.2
2	J	78	GLY	2.2
2	K	567	PRO	2.2
2	K	971	SER	2.2
2	L	1671	SER	2.2
2	L	1750	LYS	2.2

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Mol	Chain	Res	Type	RSRZ
2	g	626	SER	2.2
2	h	1192	LYS	2.2
2	i	1548	SER	2.2
2	j	400	SER	2.2
2	h	2001	VAL	2.2
2	i	1239	LEU	2.2
2	i	1796	GLY	2.2
2	i	1879	GLY	2.2
2	j	573	LYS	2.2
2	k	315	PRO	2.2
2	k	364	LYS	2.2
2	k	1098	PRO	2.2
2	k	1766	SER	2.2
1	A	822	VAL	2.2
1	C	1285	ALA	2.2
1	C	1710	LEU	2.2
1	D	1846	ALA	2.2
1	E	399	ALA	2.2
1	F	1720	ALA	2.2
1	d	1769	VAL	2.2
1	e	369	ALA	2.2
1	f	893	VAL	2.2
2	G	133	ALA	2.2
2	G	579	VAL	2.2
2	G	907	VAL	2.2
2	J	1234	VAL	2.2
2	K	1870	ALA	2.2
2	g	96	LEU	2.2
2	g	402	LEU	2.2
2	g	1788	ALA	2.2
2	g	1919	LEU	2.2
2	k	1913	VAL	2.2
2	l	438	LEU	2.2
2	l	2034	GLY	2.2
2	j	907	VAL	2.2
2	j	1368	VAL	2.2
2	j	1591	ALA	2.2
2	l	941	VAL	2.2
2	l	1141	ALA	2.2
1	B	1183	ARG	2.2
1	C	237	MET	2.2
1	e	1515	ARG	2.2

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Mol	Chain	Res	Type	RSRZ
2	G	860	ARG	2.2
2	J	750	MET	2.2
2	K	764	MET	2.2
2	K	1784	MET	2.2
2	L	1434	HIS	2.2
2	g	428	HIS	2.2
2	g	1583	MET	2.2
2	h	428	HIS	2.2
2	i	952	ARG	2.2
1	A	1634	ASP	2.2
1	A	1713	ASP	2.2
1	A	782	GLU	2.2
1	B	1233	GLU	2.2
1	C	1553	GLU	2.2
1	D	185	GLU	2.2
1	D	1598	GLN	2.2
1	f	979	GLN	2.2
2	H	949	ASP	2.2
1	a	1711	GLU	2.2
1	d	1162	GLU	2.2
1	e	199	GLU	2.2
2	G	1731	GLU	2.2
2	H	1178	GLN	2.2
2	H	1225	GLU	2.2
2	H	1253	GLU	2.2
2	I	715	GLN	2.2
2	I	1695	ASP	2.2
2	J	829	ASP	2.2
2	J	830	ASP	2.2
2	K	204	ASP	2.2
2	K	461	ASP	2.2
2	h	1257	ASP	2.2
2	h	1316	ASP	2.2
2	i	605	ASP	2.2
2	j	1001	ASP	2.2
2	l	73	GLU	2.2
2	l	998	GLN	2.2
3	q	84	ASP	2.2
2	J	1216	GLU	2.2
2	J	1654	GLU	2.2
2	J	1656	GLU	2.2
2	J	2046	GLU	2.2

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Mol	Chain	Res	Type	RSRZ
2	L	1225	GLU	2.2
2	g	1534	GLU	2.2
2	i	1926	GLU	2.2
1	B	1512	PHE	2.2
1	D	1685	TYR	2.2
1	D	1744	TYR	2.2
1	E	1621	PHE	2.2
1	F	737	PHE	2.2
1	e	1024	PHE	2.2
2	G	496	PHE	2.2
2	K	950	PHE	2.2
2	I	943	TRP	2.2
2	J	330	ASN	2.2
2	J	1692	ASN	2.2
2	L	153	ASN	2.2
2	h	874	ASN	2.2
2	h	890	TYR	2.2
2	j	796	PHE	2.2
1	c	1075	TRP	2.2
1	d	1064	ASN	2.2
2	G	214	ASN	2.2
2	G	943	TRP	2.2
2	G	1732	ASN	2.2
3	M	82	TYR	2.2
1	A	1090	LYS	2.2
1	A	1092	LYS	2.2
1	A	1349	THR	2.2
1	C	244	THR	2.2
1	D	62	LYS	2.2
1	F	1437	LYS	2.2
1	A	726	GLY	2.2
1	B	1331	GLY	2.2
1	C	423	GLY	2.2
1	C	1253	GLY	2.2
1	F	1179	LEU	2.2
1	a	471	THR	2.2
1	e	1428	THR	2.2
1	e	1754	LYS	2.2
2	G	213	LEU	2.2
2	G	1437	THR	2.2
2	H	120	LYS	2.2
2	H	441	LYS	2.2

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Mol	Chain	Res	Type	RSRZ
2	J	118	LYS	2.2
2	I	688	LEU	2.2
2	J	494	THR	2.2
2	J	523	THR	2.2
2	J	880	LEU	2.2
2	K	1927	LEU	2.2
2	g	2033	THR	2.2
2	i	462	THR	2.2
2	i	1156	CYS	2.2
2	i	1998	LYS	2.2
2	j	782	THR	2.2
2	k	252	THR	2.2
2	k	482	CYS	2.2
2	l	489	LYS	2.2
2	l	818	LYS	2.2
2	l	1364	LYS	2.2
1	A	409	ALA	2.2
1	B	1379	ALA	2.2
1	B	1590	ALA	2.2
1	C	82	SER	2.2
1	C	523	SER	2.2
1	C	1247	SER	2.2
1	C	1308	SER	2.2
1	C	1434	SER	2.2
1	D	1220	VAL	2.2
1	D	516	ARG	2.2
1	D	747	ALA	2.2
1	D	1855	ALA	2.2
1	E	51	PRO	2.2
1	E	1705	PRO	2.2
1	F	154	LEU	2.2
1	F	1021	VAL	2.2
1	F	1569	GLY	2.2
1	c	473	GLY	2.2
1	c	759	GLY	2.2
1	b	773	ALA	2.2
1	b	1255	SER	2.2
1	d	1418	VAL	2.2
1	d	1824	GLY	2.2
2	H	414	LEU	2.2
1	A	1759	MET	2.2
1	D	1759	MET	2.2

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Mol	Chain	Res	Type	RSRZ
1	F	43	ARG	2.2
1	F	1046	SER	2.2
1	F	1539	ALA	2.2
1	F	1764	VAL	2.2
1	f	19	ALA	2.2
1	f	270	SER	2.2
1	f	914	VAL	2.2
1	f	1859	ALA	2.2
2	H	243	VAL	2.2
2	H	599	PRO	2.2
2	L	851	GLY	2.2
1	b	1669	ARG	2.2
1	e	456	SER	2.2
1	e	523	SER	2.2
2	G	804	ARG	2.2
2	G	817	ALA	2.2
2	L	205	ALA	2.2
2	L	671	SER	2.2
2	L	1715	VAL	2.2
2	h	629	GLY	2.2
2	j	686	PRO	2.2
2	j	1377	VAL	2.2
2	j	860	ARG	2.2
2	j	1554	ALA	2.2
2	j	1844	ARG	2.2
2	j	1900	ALA	2.2
2	k	1016	PRO	2.2
2	l	360	LEU	2.2
3	Q	10	PRO	2.2
3	Q	50	GLY	2.2
2	I	1808	SER	2.2
2	J	1586	SER	2.2
2	J	1856	ALA	2.2
2	H	1676	MET	2.2
2	I	658	MET	2.2
2	J	1932	SER	2.2
2	K	318	SER	2.2
2	i	1583	MET	2.2
2	i	1951	SER	2.2
2	j	1973	SER	2.2
2	k	130	ARG	2.2
2	k	284	ALA	2.2

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Mol	Chain	Res	Type	RSRZ
3	M	9	ARG	2.2
3	O	54	ALA	2.2
3	R	9	ARG	2.2
3	m	4	ALA	2.2
3	q	45	SER	2.2
3	r	80	ALA	2.2
2	K	753	MET	2.2
1	D	1852	HIS	2.2
1	f	454	HIS	2.2
2	I	1039	HIS	2.2
2	k	1039	HIS	2.2
1	A	58	GLN	2.2
1	A	384	GLU	2.2
1	A	912	GLU	2.2
1	B	1207	GLN	2.2
1	B	1634	ASP	2.2
1	C	1806	GLN	2.2
1	B	1687	PHE	2.2
1	C	746	GLU	2.2
1	E	602	GLU	2.2
1	E	1026	GLU	2.2
1	F	608	ASP	2.2
1	F	1456	GLU	2.2
1	b	952	GLU	2.2
1	b	1795	GLU	2.2
1	c	1162	GLU	2.2
1	c	1364	GLU	2.2
1	e	1712	GLU	2.2
1	f	1147	GLN	2.2
2	I	1061	GLN	2.2
2	H	1738	PHE	2.2
2	I	1469	GLU	2.2
2	I	1869	GLU	2.2
2	J	36	GLN	2.2
2	L	949	ASP	2.2
2	L	1704	PHE	2.2
2	g	46	GLU	2.2
2	g	175	ASP	2.2
2	i	73	GLU	2.2
2	i	1791	ASP	2.2
2	i	1846	GLU	2.2
2	i	2050	GLN	2.2

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Mol	Chain	Res	Type	RSRZ
2	j	37	PHE	2.2
2	j	92	GLU	2.2
2	l	111	GLU	2.2
2	l	1088	GLN	2.2
1	A	794	ILE	2.2
1	B	1175	ILE	2.2
1	C	651	TYR	2.2
1	a	1660	TYR	2.2
1	c	1796	ILE	2.2
2	G	587	ILE	2.2
2	H	1210	ILE	2.2
2	i	352	TYR	2.2
2	i	891	ILE	2.2
2	j	984	PHE	2.2
2	l	1640	PHE	2.2
3	r	98	GLU	2.2
2	J	615	TYR	2.2
3	N	53	ILE	2.2
3	Q	31	ILE	2.2
1	F	1196	LYS	2.2
1	a	64	LYS	2.2
1	c	28	TRP	2.2
1	c	611	LYS	2.2
1	f	1030	TRP	2.2
2	J	837	LYS	2.2
2	g	413	LYS	2.2
2	h	1436	LYS	2.2
2	j	415	LYS	2.2
1	C	74	LEU	2.2
1	D	1374	ASN	2.2
1	E	1320	LEU	2.2
1	a	150	LEU	2.2
1	c	265	LEU	2.2
1	c	379	ASN	2.2
1	c	1115	ASN	2.2
1	c	1272	ASN	2.2
1	d	829	ASN	2.2
1	d	1531	LEU	2.2
2	I	331	ASN	2.2
2	J	142	ASN	2.2
2	L	1692	ASN	2.2
2	i	316	ASN	2.2

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Mol	Chain	Res	Type	RSRZ
2	i	1493	LEU	2.2
2	i	1514	ASN	2.2
2	k	655	ASN	2.2
2	k	1188	ASN	2.2
3	Q	81	LEU	2.2
1	A	1001	VAL	2.2
1	A	1300	THR	2.2
1	A	1445	MET	2.2
1	A	1705	PRO	2.2
1	B	167	PRO	2.2
1	B	458	THR	2.2
1	B	706	THR	2.2
1	B	968	VAL	2.2
1	C	907	GLY	2.2
1	C	1049	GLY	2.2
1	B	1017	ARG	2.2
1	B	1260	MET	2.2
1	B	1789	ARG	2.2
1	C	1792	THR	2.2
1	D	1517	PRO	2.2
1	D	1565	GLY	2.2
1	D	1785	THR	2.2
1	E	201	PRO	2.2
1	E	252	THR	2.2
1	E	257	PRO	2.2
1	E	519	VAL	2.2
1	E	1043	GLY	2.2
1	F	1627	PRO	2.2
1	a	368	VAL	2.2
1	a	1764	VAL	2.2
1	d	278	GLY	2.2
1	d	401	THR	2.2
1	d	1732	THR	2.2
1	e	300	VAL	2.2
1	f	259	GLY	2.2
2	G	1703	GLY	2.2
2	H	185	GLY	2.2
1	e	1416	ARG	2.2
1	f	1073	THR	2.2
1	f	1842	VAL	2.2
1	d	1377	MET	2.2
1	f	1377	MET	2.2

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Mol	Chain	Res	Type	RSRZ
2	G	1229	MET	2.2
2	G	1955	PRO	2.2
2	H	356	THR	2.2
2	H	1547	PRO	2.2
2	H	1909	THR	2.2
2	I	1874	VAL	2.2
2	J	1893	VAL	2.2
2	K	991	ARG	2.2
2	K	1069	PRO	2.2
2	K	1498	THR	2.2
2	K	1555	ARG	2.2
2	K	1701	THR	2.2
2	L	1014	PRO	2.2
2	L	1403	VAL	2.2
2	L	1953	VAL	2.2
2	g	276	GLY	2.2
2	g	459	VAL	2.2
2	g	1374	THR	2.2
2	g	1502	GLY	2.2
2	i	488	VAL	2.2
2	h	1510	ALA	2.2
2	i	1883	GLY	2.2
2	j	748	THR	2.2
2	j	840	THR	2.2
2	k	66	GLY	2.2
2	k	184	VAL	2.2
2	k	602	VAL	2.2
2	k	1371	VAL	2.2
2	k	1517	VAL	2.2
1	E	1050	CYS	2.2
2	H	794	MET	2.2
2	I	1567	ARG	2.2
2	g	1554	ALA	2.2
2	k	147	ARG	2.2
3	M	54	ALA	2.2
1	a	609	SER	2.2
1	b	539	SER	2.2
1	c	50	SER	2.2
1	f	1284	SER	2.2
1	f	1700	SER	2.2
2	G	1588	SER	2.2
2	H	1397	SER	2.2

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Mol	Chain	Res	Type	RSRZ
2	H	1808	SER	2.2
2	L	436	SER	2.2
2	L	1235	SER	2.2
2	g	1808	SER	2.2
2	i	600	CYS	2.2
2	j	1235	SER	2.2
2	l	466	SER	2.2
2	l	1132	SER	2.2
1	e	639	HIS	2.2
2	K	359	HIS	2.2
2	i	1939	HIS	2.2
1	A	202	GLU	2.2
1	B	203	GLU	2.2
1	B	372	GLN	2.2
1	B	478	GLU	2.2
1	B	503	ILE	2.2
1	C	331	ILE	2.2
1	c	261	GLN	2.2
1	c	372	GLN	2.2
1	c	850	PHE	2.2
2	H	1262	ILE	2.2
2	I	1666	PHE	2.2
2	I	849	GLU	2.2
2	J	1674	GLN	2.2
2	K	994	PHE	2.2
2	L	169	TYR	2.2
2	L	701	LYS	2.2
2	L	974	ASP	2.2
2	L	1101	GLU	2.2
2	L	1469	GLU	2.2
2	L	1632	ILE	2.2
2	L	1917	ILE	2.2
2	g	931	PHE	2.2
2	i	652	ILE	2.2
2	j	689	GLU	2.2
2	k	1061	GLN	2.2
2	l	1896	GLN	2.2
2	l	1941	PHE	2.2
1	A	429	ASP	2.2
1	D	1672	GLU	2.2
1	a	1475	GLU	2.2
1	a	1762	GLU	2.2

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Mol	Chain	Res	Type	RSRZ
1	f	769	ILE	2.2
1	f	821	GLN	2.2
2	G	900	GLN	2.2
1	B	1114	TYR	2.2
1	C	836	ASP	2.2
1	a	1772	ASP	2.2
1	c	282	ASP	2.2
1	d	1717	ASP	2.2
1	e	1708	ASP	2.2
1	f	1233	GLU	2.2
2	G	563	GLU	2.2
2	G	1739	GLU	2.2
2	I	497	LYS	2.2
2	I	701	LYS	2.2
2	I	1067	ASP	2.2
2	L	1801	ASP	2.2
2	h	151	GLU	2.2
2	j	1391	ASP	2.2
2	k	1106	GLU	2.2
2	l	849	GLU	2.2
1	f	89	TYR	2.2
2	G	413	LYS	2.2
2	G	544	LYS	2.2
2	I	1239	LEU	2.2
2	J	624	TYR	2.2
2	h	1401	LYS	2.2
2	k	107	LYS	2.2
2	l	1918	LYS	2.2
1	c	763	TRP	2.2
1	c	1710	LEU	2.2
1	d	53	LEU	2.2
1	e	1037	TRP	2.2
2	J	832	TRP	2.2
2	K	319	LEU	2.2
2	k	1770	LEU	2.2
3	q	79	LEU	2.2
1	A	962	ALA	2.2
1	A	1225	ALA	2.2
1	A	1746	ASN	2.2
1	B	339	ALA	2.2
1	C	1748	ASN	2.2
1	D	1133	PRO	2.2

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Mol	Chain	Res	Type	RSRZ
1	D	1383	GLY	2.2
1	D	1510	ASN	2.2
1	D	1829	GLY	2.2
1	E	904	ASN	2.2
1	b	357	GLY	2.2
1	b	1006	PRO	2.2
1	b	1365	MET	2.2
1	b	1818	ALA	2.2
1	c	246	ALA	2.2
1	c	1331	GLY	2.2
1	c	1410	ALA	2.2
1	d	184	ASN	2.2
1	e	1636	VAL	2.2
2	G	68	VAL	2.2
1	E	1158	PRO	2.2
1	a	295	ALA	2.2
1	a	1406	MET	2.2
1	a	1880	ALA	2.2
1	d	220	ALA	2.2
1	d	409	ALA	2.2
1	e	257	PRO	2.2
1	e	1593	MET	2.2
1	f	144	PRO	2.2
1	f	1234	MET	2.2
2	H	662	GLY	2.2
2	I	182	VAL	2.2
2	H	1843	PRO	2.2
2	I	261	GLY	2.2
2	I	1233	PRO	2.2
2	I	1398	ARG	2.2
2	I	1421	ASN	2.2
2	I	1982	MET	2.2
2	J	1675	GLY	2.2
2	K	1874	VAL	2.2
2	L	1274	PRO	2.2
2	g	519	ASN	2.2
2	g	725	ASN	2.2
2	h	1862	VAL	2.2
2	i	302	VAL	2.2
2	i	1043	VAL	2.2
2	i	1304	VAL	2.2
2	h	1442	ALA	2.2

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Mol	Chain	Res	Type	RSRZ
2	h	1854	MET	2.2
2	i	343	ASN	2.2
2	j	1619	ASN	2.2
2	k	357	ASN	2.2
2	k	579	VAL	2.2
2	g	1901	ALA	2.2
2	h	426	PRO	2.2
2	j	297	ARG	2.2
2	k	630	MET	2.2
2	k	1404	MET	2.2
2	k	1461	ASN	2.2
2	k	1883	GLY	2.2
2	l	505	GLY	2.2
2	l	655	ASN	2.2
3	m	19	ALA	2.2
3	n	99	ARG	2.2
1	B	1792	THR	2.2
1	C	1349	THR	2.2
1	F	41	THR	2.2
1	a	1885	THR	2.2
1	c	1160	THR	2.2
1	c	1556	THR	2.2
1	d	204	THR	2.2
2	I	1386	THR	2.2
2	h	1196	THR	2.2
2	j	271	THR	2.2
2	k	1133	THR	2.2
2	k	2033	THR	2.2
1	A	1246	CYS	2.2
1	B	1137	SER	2.2
1	C	234	SER	2.2
1	C	786	SER	2.2
1	D	827	SER	2.2
1	D	1827	SER	2.2
1	E	148	SER	2.2
1	a	1046	SER	2.2
1	d	1827	SER	2.2
1	f	639	HIS	2.2
2	J	405	SER	2.2
2	K	1002	HIS	2.2
2	h	1966	CYS	2.2
2	k	1585	SER	2.2

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Mol	Chain	Res	Type	RSRZ
2	l	342	SER	2.2
3	n	21	SER	2.2
1	B	622	ILE	2.2
1	F	166	ILE	2.2
1	a	1189	ILE	2.2
1	a	1335	PHE	2.2
1	a	1779	ILE	2.2
2	H	91	PHE	2.2
2	H	796	PHE	2.2
2	J	1503	ILE	2.2
2	K	37	PHE	2.2
2	h	577	ILE	2.2
2	i	1450	PHE	2.2
2	i	1501	ILE	2.2
2	i	1824	ILE	2.2
2	j	91	PHE	2.2
2	j	652	ILE	2.2
2	k	1721	PHE	2.2
2	l	409	PHE	2.2
3	M	91	ILE	2.2
3	p	11	ILE	2.2
1	A	170	LYS	2.2
1	D	500	LYS	2.2
1	D	1119	LYS	2.2
1	b	540	GLN	2.2
1	e	1177	LYS	2.2
2	I	298	LYS	2.2
2	I	1163	LYS	2.2
2	I	1639	LYS	2.2
2	J	63	LYS	2.2
2	J	569	LEU	2.2
2	J	731	GLN	2.2
2	J	1088	GLN	2.2
2	L	1175	LYS	2.2
2	h	1672	GLN	2.2
2	k	63	LYS	2.2
2	k	1220	GLN	2.2
2	k	1436	LYS	2.2
1	B	853	TRP	2.2
1	B	1193	TRP	2.2
1	D	1086	ASP	2.2
1	D	1401	TYR	2.2

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Mol	Chain	Res	Type	RSRZ
1	E	525	TYR	2.2
1	E	1529	TYR	2.2
1	F	977	TYR	2.2
1	a	221	LEU	2.2
1	a	1099	GLU	2.2
1	b	1117	GLU	2.2
1	b	1622	GLU	2.2
1	c	1626	TYR	2.2
1	d	384	GLU	2.2
1	f	1173	LEU	2.2
1	f	1553	GLU	2.2
1	f	1662	TYR	2.2
2	G	1253	GLU	2.2
2	H	1094	GLU	2.2
2	G	540	ASP	2.2
2	G	1045	ASP	2.2
2	G	1572	TYR	2.2
2	G	1926	GLU	2.2
2	J	1770	LEU	2.2
2	j	90	GLU	2.2
2	j	198	LEU	2.2
1	a	1634	ASP	2.2
2	h	1456	ASP	2.2
2	h	1898	TYR	2.2
2	h	1937	GLU	2.2
2	i	126	TYR	2.2
2	j	898	ASP	2.2
2	j	1298	TYR	2.2
2	j	1927	LEU	2.2
2	l	2020	GLN	2.2
3	O	43	GLN	2.2
3	o	43	GLN	2.2
2	g	1654	GLU	2.2
2	h	46	GLU	2.2
2	k	1026	GLU	2.2
2	I	1123	ASP	2.2
2	K	175	ASP	2.2
2	J	488	VAL	2.2
2	J	661	TRP	2.2
2	L	1518	ASP	2.2
2	g	403	ASP	2.2
2	g	2028	ASP	2.2

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Mol	Chain	Res	Type	RSRZ
2	k	1022	ASP	2.2
3	Q	84	ASP	2.2
1	E	1076	VAL	2.2
1	E	1840	VAL	2.2
1	a	968	VAL	2.2
1	d	1089	VAL	2.2
1	d	1538	VAL	2.2
1	d	1656	VAL	2.2
1	f	1051	VAL	2.2
1	f	1655	VAL	2.2
1	f	1825	VAL	2.2
2	L	1443	VAL	2.2
2	g	208	VAL	2.2
2	h	1126	VAL	2.2
2	h	1328	VAL	2.2
2	k	250	VAL	2.2
2	k	1020	VAL	2.2
1	A	1260	MET	2.2
1	D	1767	GLY	2.2
1	E	1755	MET	2.2
1	a	834	GLY	2.2
1	A	829	ASN	2.2
1	A	1368	PRO	2.2
1	A	1474	ALA	2.2
1	B	1592	MET	2.2
1	C	239	GLY	2.2
1	C	396	ARG	2.2
1	b	928	GLY	2.2
1	b	1853	GLY	2.2
1	c	1543	GLY	2.2
1	d	1250	GLY	2.2
1	e	1028	GLY	2.2
1	e	1537	GLY	2.2
2	G	597	MET	2.2
2	H	309	ARG	2.2
2	H	1606	ARG	2.2
2	J	851	GLY	2.2
2	J	912	ARG	2.2
2	J	1247	GLY	2.2
2	K	630	MET	2.2
2	K	1722	GLY	2.2
2	g	507	GLY	2.2

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Mol	Chain	Res	Type	RSRZ
2	g	1076	GLY	2.2
2	i	297	ARG	2.2
1	D	812	ALA	2.2
1	d	144	PRO	2.2
1	f	984	PRO	2.2
2	G	609	ALA	2.2
2	G	979	ALA	2.2
2	h	2016	ALA	2.2
2	j	522	GLY	2.2
2	k	1971	GLY	2.2
1	A	1783	ASN	2.2
1	a	1766	ASN	2.2
2	J	1243	ASN	2.2
2	J	1983	ASN	2.2
2	K	1246	ASN	2.2
2	i	795	PRO	2.2
2	l	1562	PRO	2.2
3	n	139	ASN	2.2
1	A	1035	THR	2.2
1	a	872	THR	2.2
1	b	1749	THR	2.2
1	e	1411	THR	2.2
1	f	332	THR	2.2
2	G	1667	THR	2.2
2	H	1774	THR	2.2
2	J	840	THR	2.2
2	K	916	THR	2.2
2	L	1342	THR	2.2
2	g	128	THR	2.2
2	j	1663	THR	2.2
2	l	1748	THR	2.2
3	m	33	THR	2.2
1	A	799	ILE	2.2
1	A	932	PHE	2.2
1	A	1827	SER	2.2
1	B	217	PHE	2.2
1	B	811	SER	2.2
1	C	1100	HIS	2.2
1	C	365	LYS	2.2
1	C	724	LYS	2.2
1	D	503	ILE	2.2
1	E	1068	LYS	2.2

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Mol	Chain	Res	Type	RSRZ
1	F	1292	ILE	2.2
1	a	1292	ILE	2.2
1	F	917	CYS	2.2
1	a	1835	LYS	2.2
1	b	166	ILE	2.2
1	b	1583	HIS	2.2
1	c	830	HIS	2.2
1	c	236	LYS	2.2
1	d	635	ILE	2.2
1	e	270	SER	2.2
1	f	827	SER	2.2
2	H	1511	SER	2.2
2	I	1925	ILE	2.2
2	I	1932	SER	2.2
2	K	547	ILE	2.2
2	L	578	PHE	2.2
2	h	1628	HIS	2.2
2	h	1941	PHE	2.2
2	i	1977	HIS	2.2
2	j	18	HIS	2.2
2	j	102	HIS	2.2
2	j	950	PHE	2.2
2	j	582	LYS	2.2
2	k	455	ILE	2.2
2	l	1474	PHE	2.2
1	d	1471	LYS	2.2
1	e	371	LEU	2.2
2	G	1771	LEU	2.2
2	I	116	LEU	2.2
2	I	432	LEU	2.2
2	L	41	LEU	2.2
2	L	94	CYS	2.2
2	h	198	LEU	2.2
2	k	1485	CYS	2.2
2	l	576	LYS	2.2
2	l	1771	LEU	2.2
1	A	1648	GLN	2.2
1	B	524	GLN	2.2
1	B	1711	GLU	2.2
1	C	1099	GLU	2.2
1	C	1117	GLU	2.2
1	C	1120	GLU	2.2

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Mol	Chain	Res	Type	RSRZ
1	C	1529	TYR	2.2
1	D	1342	GLU	2.2
1	D	1468	GLU	2.2
1	a	1139	GLU	2.2
1	a	1496	GLU	2.2
1	a	1623	TYR	2.2
1	c	1232	TYR	2.2
1	c	1276	GLN	2.2
1	d	1626	TYR	2.2
1	e	193	GLU	2.2
1	e	1072	TYR	2.2
2	G	95	TYR	2.2
2	G	615	TYR	2.2
2	G	1500	GLU	2.2
2	G	1980	TYR	2.2
2	H	1999	GLU	2.2
2	I	43	GLU	2.2
2	I	1266	TYR	2.2
2	K	404	GLN	2.2
2	I	1724	GLU	2.2
2	L	1852	TYR	2.2
2	L	1935	GLU	2.2
2	L	1980	TYR	2.2
2	j	1049	GLN	2.2
2	h	1500	GLU	2.2
2	i	1094	GLU	2.2
2	j	1412	TYR	2.2
2	k	1641	GLU	2.2
1	B	1771	VAL	2.2
1	C	980	VAL	2.2
2	G	1181	VAL	2.2
2	G	1304	VAL	2.2
2	H	1343	VAL	2.2
2	I	72	VAL	2.2
2	J	182	VAL	2.2
2	K	1048	VAL	2.2
2	L	579	VAL	2.2
2	g	302	VAL	2.2
2	I	758	ARG	2.2
2	g	147	ARG	2.2
2	h	186	ASP	2.2
2	h	289	TRP	2.2

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Mol	Chain	Res	Type	RSRZ
2	i	1048	VAL	2.2
2	j	2029	VAL	2.2
1	E	1593	MET	2.2
1	C	1368	PRO	2.2
1	C	1862	ALA	2.2
1	D	48	GLY	2.2
1	E	502	ALA	2.2
1	a	814	GLY	2.2
1	a	1011	GLY	2.2
1	a	1260	MET	2.2
1	b	352	MET	2.2
1	f	1325	ARG	2.2
2	G	1092	ASP	2.2
2	H	953	ARG	2.2
2	h	454	ASP	2.2
2	k	481	ASP	2.2
2	k	1093	ASP	2.2
2	k	1453	ASP	2.2
1	c	1859	ALA	2.2
1	d	1768	GLY	2.2
1	e	255	GLY	2.2
1	e	1304	ALA	2.2
1	f	1858	ALA	2.2
2	G	78	GLY	2.2
2	G	1303	ALA	2.2
2	G	1414	GLY	2.2
2	k	1822	MET	2.2
2	l	2005	ARG	2.2
2	I	2018	PRO	2.2
2	J	1773	ALA	2.2
2	L	990	ALA	2.2
2	g	1105	GLY	2.2
2	h	542	GLY	2.2
2	h	1686	ALA	2.2
2	h	1906	ALA	2.2
2	i	1152	ALA	2.2
2	j	144	ALA	2.2
2	j	150	GLY	2.2
2	k	98	GLY	2.2
3	R	135	MET	2.2
2	l	1787	ALA	2.2
2	l	2007	ALA	2.2

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Mol	Chain	Res	Type	RSRZ
3	m	58	GLY	2.2
1	a	636	PRO	2.2
2	H	434	PRO	2.2
2	l	599	PRO	2.2
1	B	1549	ASN	2.2
1	D	1288	ASN	2.2
1	F	508	ASN	2.2
1	F	1112	ASN	2.2
1	F	1843	ASN	2.2
1	a	1288	ASN	2.2
1	c	904	ASN	2.2
1	c	1613	ASN	2.2
1	d	1748	ASN	2.2
2	G	936	ASN	2.2
2	G	1306	ASN	2.2
2	H	1532	ASN	2.2
2	i	519	ASN	2.2
3	M	89	ASN	2.2
1	A	252	THR	2.2
1	C	959	ILE	2.2
1	F	1349	THR	2.2
1	b	910	THR	2.2
1	c	1134	PHE	2.2
1	D	378	LEU	2.2
1	E	761	LEU	2.2
1	F	1876	LEU	2.2
1	a	1092	LYS	2.2
1	c	2	LYS	2.2
1	f	41	THR	2.2
2	G	980	ILE	2.2
2	G	1066	ILE	2.2
2	H	179	THR	2.2
2	I	516	THR	2.2
2	K	2022	THR	2.2
2	L	170	PHE	2.2
2	K	962	LYS	2.2
2	L	1285	ILE	2.2
2	L	1701	THR	2.2
2	K	1054	LEU	2.2
2	K	1795	LYS	2.2
2	L	1880	LYS	2.2
2	L	1882	THR	2.2

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Mol	Chain	Res	Type	RSRZ
2	h	1029	PHE	2.2
2	I	319	LEU	2.2
2	J	1725	LYS	2.2
2	h	1927	LEU	2.2
2	i	1172	LYS	2.2
2	i	1212	LYS	2.2
2	j	891	ILE	2.2
2	j	1709	ILE	2.2
2	l	1208	THR	2.2
1	D	1723	SER	2.2
1	D	1765	SER	2.2
1	E	792	HIS	2.2
1	a	157	HIS	2.2
1	c	53	LEU	2.2
1	b	1061	SER	2.2
1	d	1494	HIS	2.2
1	f	877	LEU	2.2
2	l	2047	LYS	2.2
3	O	35	ILE	2.2
2	J	1783	LEU	2.2
2	K	267	LEU	2.2
2	g	1940	LEU	2.2
2	k	41	LEU	2.2
2	k	1907	LEU	2.2
1	f	708	SER	2.2
2	k	1759	SER	2.2
2	l	500	HIS	2.2
3	n	79	LEU	2.2
3	p	81	LEU	2.2
2	I	965	SER	2.2
2	I	1823	SER	2.2
2	L	358	SER	2.2
2	h	1951	SER	2.2
2	i	143	SER	2.2
2	j	1759	SER	2.2
1	B	977	TYR	2.2
1	C	490	TYR	2.2
1	C	1163	TYR	2.2
1	D	1656	VAL	2.2
1	D	1699	VAL	2.2
1	D	1877	GLN	2.2
1	E	1458	GLN	2.2

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Mol	Chain	Res	Type	RSRZ
1	a	1513	TYR	2.2
1	b	428	VAL	2.2
1	d	1674	VAL	2.2
1	e	1652	GLN	2.2
1	f	1507	GLN	2.2
2	G	1702	TYR	2.2
2	H	677	GLN	2.2
2	I	177	TYR	2.2
2	I	910	GLN	2.2
1	A	1017	ARG	2.2
1	B	76	ARG	2.2
1	B	1283	MET	2.2
1	E	1566	ARG	2.2
1	a	1473	GLU	2.2
1	e	396	ARG	2.2
1	e	1094	GLU	2.2
2	H	1534	GLU	2.2
2	I	563	GLU	2.2
2	J	1589	VAL	2.2
2	K	1260	GLN	2.2
2	L	1424	GLN	2.2
2	h	230	TYR	2.2
2	i	384	GLN	2.2
2	h	1405	GLU	2.2
2	h	1886	VAL	2.2
2	i	527	VAL	2.2
2	k	1650	VAL	2.2
2	l	968	GLN	2.2
2	J	953	ARG	2.2
2	K	1467	GLU	2.2
2	K	1887	GLU	2.2
2	g	852	GLU	2.2
2	l	1181	VAL	2.2
3	R	48	ARG	2.2
3	q	36	GLU	2.2
2	G	753	MET	2.2
2	G	1050	ARG	2.2
2	H	469	ARG	2.2
1	B	189	ASP	2.1
1	B	1574	GLY	2.1
1	C	219	GLY	2.1
1	C	1569	GLY	2.1

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Mol	Chain	Res	Type	RSRZ
1	D	603	ASP	2.1
1	D	1322	GLY	2.1
1	E	19	ALA	2.1
1	E	275	ALA	2.1
1	E	487	ASP	2.1
1	F	1607	GLY	2.1
1	F	1704	ALA	2.1
1	a	355	ASP	2.1
1	a	399	ALA	2.1
1	a	1537	GLY	2.1
1	b	504	ASP	2.1
1	b	1503	ALA	2.1
1	c	716	ASP	2.1
1	c	785	ASP	2.1
1	d	991	ASP	2.1
1	e	976	ALA	2.1
1	e	1263	ASP	2.1
1	e	1379	ALA	2.1
1	e	1527	ALA	2.1
1	f	533	GLY	2.1
1	f	928	GLY	2.1
2	G	662	GLY	2.1
2	G	57	PRO	2.1
2	G	282	ALA	2.1
2	I	78	GLY	2.1
2	G	828	PRO	2.1
2	H	1515	PRO	2.1
2	I	1322	PRO	2.1
2	J	403	ASP	2.1
2	J	949	ASP	2.1
2	J	1820	ASP	2.1
2	K	539	ASP	2.1
2	L	315	PRO	2.1
2	g	299	ALA	2.1
2	g	321	PRO	2.1
2	g	707	PRO	2.1
2	h	1576	PRO	2.1
2	i	1454	ASP	2.1
2	j	853	PRO	2.1
1	A	1551	LYS	2.1
1	A	1754	LYS	2.1
1	A	1791	PHE	2.1

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Mol	Chain	Res	Type	RSRZ
1	D	1786	PHE	2.1
1	B	441	ASN	2.1
1	C	503	ILE	2.1
1	E	223	LYS	2.1
1	E	1138	LYS	2.1
1	E	1654	ILE	2.1
1	d	1155	PHE	2.1
1	e	1446	LYS	2.1
2	G	1248	PHE	2.1
2	J	1410	PHE	2.1
1	d	36	LEU	2.1
2	H	231	LEU	2.1
2	H	1914	LEU	2.1
2	I	698	LEU	2.1
2	I	1756	ASN	2.1
2	J	1479	ILE	2.1
2	J	1623	LYS	2.1
2	g	801	PHE	2.1
2	K	86	LEU	2.1
2	L	1276	ASN	2.1
2	g	183	LEU	2.1
2	g	331	ASN	2.1
2	g	1271	ILE	2.1
2	h	1493	LEU	2.1
2	h	1888	ILE	2.1
2	i	1725	LYS	2.1
2	j	543	PHE	2.1
2	h	214	ASN	2.1
2	j	1355	ASN	2.1
2	k	446	ASN	2.1
2	k	1320	LEU	2.1
2	k	1514	ASN	2.1
2	k	1857	ILE	2.1
2	l	140	LYS	2.1
2	l	1306	ASN	2.1
2	l	1639	LYS	2.1
3	Q	13	ILE	2.1
3	R	55	LYS	2.1
3	n	46	ASN	2.1
3	q	17	LYS	2.1
1	A	1095	THR	2.1
1	D	41	THR	2.1

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Mol	Chain	Res	Type	RSRZ
1	a	392	THR	2.1
1	e	1300	THR	2.1
1	f	367	THR	2.1
1	f	1777	THR	2.1
2	G	1133	THR	2.1
2	G	1526	THR	2.1
2	I	1620	THR	2.1
2	J	1837	THR	2.1
2	g	1624	THR	2.1
2	j	1426	THR	2.1
2	H	428	HIS	2.1
1	B	1247	SER	2.1
1	a	980	VAL	2.1
1	d	687	SER	2.1
2	G	1252	SER	2.1
2	H	233	SER	2.1
2	H	1167	SER	2.1
1	e	977	TYR	2.1
1	f	722	TYR	2.1
1	f	1781	VAL	2.1
2	G	527	VAL	2.1
2	I	574	SER	2.1
2	K	983	VAL	2.1
2	g	425	SER	2.1
2	h	429	SER	2.1
2	h	1516	VAL	2.1
2	i	208	VAL	2.1
2	j	690	VAL	2.1
2	l	893	SER	2.1
3	M	45	SER	2.1
1	B	1448	ARG	2.1
1	F	21	GLN	2.1
2	H	1298	TYR	2.1
2	H	2025	TYR	2.1
2	I	615	TYR	2.1
2	J	132	MET	2.1
2	g	957	ARG	2.1
2	h	264	ARG	2.1
2	k	169	TYR	2.1
2	k	1765	ARG	2.1
3	n	82	TYR	2.1
1	F	878	MET	2.1

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Mol	Chain	Res	Type	RSRZ
1	c	237	MET	2.1
1	c	818	ARG	2.1
1	F	1010	GLU	2.1
1	c	886	GLU	2.1
1	c	1283	MET	2.1
1	e	1861	GLU	2.1
1	f	1026	GLU	2.1
2	G	546	GLU	2.1
2	K	1673	GLU	2.1
2	L	1645	GLU	2.1
3	Q	15	GLU	2.1
3	q	15	GLU	2.1
1	B	1102	GLY	2.1
1	C	767	ALA	2.1
1	D	686	GLY	2.1
1	E	339	ALA	2.1
1	F	177	GLY	2.1
1	b	268	ALA	2.1
1	b	604	ALA	2.1
1	b	1344	GLY	2.1
1	b	1383	GLY	2.1
1	b	1855	ALA	2.1
1	e	357	GLY	2.1
1	e	740	GLY	2.1
2	G	1900	ALA	2.1
2	L	1369	GLY	2.1
2	L	1687	ALA	2.1
2	g	1630	GLY	2.1
2	i	841	GLY	2.1
2	j	66	GLY	2.1
2	j	820	CYS	2.1
2	l	808	ALA	2.1
2	l	858	ALA	2.1
3	M	102	ALA	2.1
3	N	80	ALA	2.1
3	n	4	ALA	2.1
1	B	770	PRO	2.1
1	B	1210	PRO	2.1
1	D	1866	ASP	2.1
1	F	1368	PRO	2.1
1	a	1088	ASP	2.1
1	a	1606	PRO	2.1

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Mol	Chain	Res	Type	RSRZ
1	c	1658	PRO	2.1
1	f	1571	PRO	2.1
2	H	54	PRO	2.1
2	I	1289	ASP	2.1
2	J	1714	PRO	2.1
2	K	1743	ASP	2.1
2	L	57	PRO	2.1
2	L	1057	PRO	2.1
2	h	797	ASP	2.1
2	k	1370	ASP	2.1
2	l	1646	ASP	2.1
1	A	160	LYS	2.1
1	B	1738	ILE	2.1
1	C	668	PHE	2.1
1	C	1573	ILE	2.1
1	E	1189	ILE	2.1
1	E	1347	LYS	2.1
1	F	491	LYS	2.1
1	a	29	ILE	2.1
1	b	223	LYS	2.1
1	b	942	LYS	2.1
1	b	1621	PHE	2.1
1	d	354	LEU	2.1
1	f	158	LYS	2.1
1	f	1579	PHE	2.1
2	G	528	ILE	2.1
2	G	1925	ILE	2.1
2	H	1771	LEU	2.1
2	I	255	LEU	2.1
2	I	323	ILE	2.1
2	L	807	ILE	2.1
2	g	1335	ILE	2.1
2	h	1921	LYS	2.1
2	i	402	LEU	2.1
2	j	1128	LYS	2.1
2	k	108	LEU	2.1
2	k	176	LEU	2.1
2	k	1275	PHE	2.1
2	k	1279	PHE	2.1
2	k	1706	ILE	2.1
3	N	149	PHE	2.1
1	C	1345	ASN	2.1

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Mol	Chain	Res	Type	RSRZ
1	E	1613	ASN	2.1
1	a	829	ASN	2.1
1	e	63	ASN	2.1
1	e	1613	ASN	2.1
2	G	650	ASN	2.1
2	H	896	ASN	2.1
2	H	1476	ASN	2.1
2	I	1550	ASN	2.1
2	K	224	ASN	2.1
2	g	1461	ASN	2.1
2	i	1532	ASN	2.1
2	k	1535	ASN	2.1
2	k	2013	ASN	2.1
1	A	171	THR	2.1
1	A	848	THR	2.1
1	B	875	THR	2.1
1	E	950	THR	2.1
1	a	15	THR	2.1
1	c	204	THR	2.1
1	c	1372	THR	2.1
1	d	1812	THR	2.1
1	A	864	VAL	2.1
1	D	1825	VAL	2.1
1	c	953	VAL	2.1
1	c	1238	VAL	2.1
1	c	1805	VAL	2.1
1	e	1100	HIS	2.1
2	I	1667	THR	2.1
2	I	1837	THR	2.1
2	I	1911	THR	2.1
2	J	1386	THR	2.1
2	H	1372	VAL	2.1
2	J	1568	HIS	2.1
2	J	1977	HIS	2.1
2	g	492	THR	2.1
2	g	1039	HIS	2.1
2	g	1718	THR	2.1
2	i	56	THR	2.1
2	i	1718	THR	2.1
2	i	1777	THR	2.1
2	G	1742	VAL	2.1
2	K	1201	VAL	2.1

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Mol	Chain	Res	Type	RSRZ
2	i	182	VAL	2.1
2	k	302	VAL	2.1
2	k	1126	VAL	2.1
2	k	1312	VAL	2.1
2	l	72	VAL	2.1
2	l	1541	VAL	2.1
1	A	1554	SER	2.1
1	B	218	SER	2.1
1	B	855	SER	2.1
1	D	1884	SER	2.1
1	E	623	SER	2.1
1	F	1	MET	2.1
1	F	294	TYR	2.1
1	F	1529	TYR	2.1
1	b	1491	ARG	2.1
1	c	434	SER	2.1
1	e	218	SER	2.1
1	e	653	ARG	2.1
2	G	7	ARG	2.1
2	G	1898	TYR	2.1
2	H	541	TYR	2.1
2	H	758	ARG	2.1
2	H	1409	SER	2.1
2	H	1762	TYR	2.1
2	I	135	ARG	2.1
2	K	200	ARG	2.1
2	K	2048	TYR	2.1
2	L	314	TYR	2.1
2	L	1229	MET	2.1
2	h	336	SER	2.1
2	h	836	TYR	2.1
2	h	860	ARG	2.1
2	i	476	SER	2.1
2	i	1121	SER	2.1
2	i	1445	ARG	2.1
2	j	971	SER	2.1
2	j	1978	SER	2.1
2	k	291	SER	2.1
2	l	754	TYR	2.1
2	l	1416	TYR	2.1
1	B	983	GLN	2.1
1	C	898	GLN	2.1

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Mol	Chain	Res	Type	RSRZ
1	F	540	GLN	2.1
1	a	1500	GLN	2.1
1	f	1276	GLN	2.1
2	G	365	GLN	2.1
2	G	1674	GLN	2.1
1	A	435	GLU	2.1
1	A	1033	ALA	2.1
1	A	1681	GLU	2.1
1	B	409	ALA	2.1
1	C	1543	GLY	2.1
1	D	782	GLU	2.1
1	E	199	GLU	2.1
1	E	1574	GLY	2.1
1	F	1762	GLU	2.1
1	a	381	GLU	2.1
1	a	1439	ALA	2.1
1	c	143	GLU	2.1
1	c	750	GLU	2.1
1	e	1846	ALA	2.1
1	f	1107	GLU	2.1
1	f	1161	GLY	2.1
1	f	1484	GLU	2.1
2	G	212	GLY	2.1
2	H	691	ALA	2.1
2	H	992	GLU	2.1
2	I	2007	ALA	2.1
2	J	59	GLU	2.1
2	J	810	GLU	2.1
2	K	206	GLU	2.1
2	K	708	GLY	2.1
2	K	1321	ALA	2.1
2	K	2040	GLU	2.1
2	L	842	GLY	2.1
2	L	1249	ALA	2.1
2	h	17	GLU	2.1
2	g	732	TRP	2.1
2	h	212	GLY	2.1
2	i	810	GLU	2.1
2	i	2040	GLU	2.1
2	j	1199	GLU	2.1
2	j	1825	GLU	2.1
1	d	408	TRP	2.1

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Mol	Chain	Res	Type	RSRZ
2	j	218	TRP	2.1
2	k	396	ALA	2.1
2	k	1621	ALA	2.1
1	B	3	PRO	2.1
1	B	1341	PHE	2.1
1	C	638	LEU	2.1
1	C	688	ILE	2.1
1	D	194	PHE	2.1
1	D	833	PHE	2.1
1	E	333	LYS	2.1
1	E	1779	ILE	2.1
1	E	1835	LYS	2.1
2	H	399	PRO	2.1
1	a	1167	LEU	2.1
1	b	635	ILE	2.1
1	d	1644	PHE	2.1
1	d	1665	ILE	2.1
1	f	522	LEU	2.1
1	f	992	PHE	2.1
2	G	183	LEU	2.1
2	G	497	LYS	2.1
2	K	795	PRO	2.1
2	h	792	PRO	2.1
2	H	1919	LEU	2.1
2	K	873	PHE	2.1
2	L	1474	PHE	2.1
2	g	241	ILE	2.1
2	g	831	LYS	2.1
2	j	1083	LYS	2.1
2	k	656	PRO	2.1
2	k	853	PRO	2.1
2	k	1618	PRO	2.1
2	l	310	CYS	2.1
2	l	1447	LYS	2.1
3	q	10	PRO	2.1
2	G	1262	ILE	2.1
2	H	995	LEU	2.1
2	h	438	LEU	2.1
2	h	1003	PHE	2.1
2	i	873	PHE	2.1
2	i	1464	LEU	2.1
2	j	402	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
2	j	1224	ILE	2.1
2	j	1563	ILE	2.1
2	k	409	PHE	2.1
1	e	1874	ASP	2.1
2	G	1022	ASP	2.1
2	J	454	ASP	2.1
2	K	1505	ASP	2.1
2	L	100	ASP	2.1
2	L	775	ASP	2.1
2	i	1845	ASP	2.1
2	j	635	ASP	2.1
2	j	775	ASP	2.1
2	k	52	ASP	2.1
2	k	442	ASP	2.1
2	l	442	ASP	2.1
2	l	549	ASP	2.1
1	A	427	ASN	2.1
1	D	368	VAL	2.1
1	a	1734	ASN	2.1
1	b	427	ASN	2.1
1	b	904	ASN	2.1
2	I	550	VAL	2.1
2	L	294	VAL	2.1
2	h	208	VAL	2.1
2	i	983	VAL	2.1
2	j	1742	VAL	2.1
2	k	112	ASN	2.1
2	k	907	VAL	2.1
3	o	92	VAL	2.1
3	p	37	ASN	2.1
3	r	94	ASN	2.1
1	A	1	MET	2.1
1	A	332	THR	2.1
1	A	709	ARG	2.1
1	A	910	THR	2.1
1	A	1494	HIS	2.1
1	B	1657	HIS	2.1
1	C	838	MET	2.1
1	D	401	THR	2.1
1	E	1232	TYR	2.1
1	F	1707	THR	2.1
1	b	56	MET	2.1

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Mol	Chain	Res	Type	RSRZ
1	b	335	HIS	2.1
1	b	795	MET	2.1
1	c	817	THR	2.1
1	d	1792	THR	2.1
1	e	1445	MET	2.1
1	e	1581	THR	2.1
1	f	961	THR	2.1
1	f	1229	THR	2.1
2	H	387	TYR	2.1
2	H	646	THR	2.1
2	I	493	THR	2.1
2	I	1151	HIS	2.1
2	J	1171	ARG	2.1
2	J	1760	THR	2.1
2	g	794	MET	2.1
2	g	1555	ARG	2.1
2	g	1606	ARG	2.1
2	g	1652	THR	2.1
2	g	1736	MET	2.1
2	h	740	HIS	2.1
2	i	551	THR	2.1
2	k	128	THR	2.1
2	k	1023	ARG	2.1
2	l	933	ARG	2.1
2	l	1074	MET	2.1
3	p	109	TYR	2.1
3	q	9	ARG	2.1
3	q	52	TYR	2.1
1	B	786	SER	2.1
1	C	214	GLN	2.1
1	C	656	SER	2.1
1	D	1643	SER	2.1
1	E	443	SER	2.1
1	B	1285	ALA	2.1
1	C	683	ALA	2.1
1	C	1431	GLU	2.1
1	C	1831	GLY	2.1
1	D	1031	GLY	2.1
1	E	814	GLY	2.1
1	E	1434	SER	2.1
1	a	831	GLY	2.1
1	b	165	SER	2.1

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Mol	Chain	Res	Type	RSRZ
1	b	1031	GLY	2.1
1	b	1046	SER	2.1
1	b	1247	SER	2.1
1	d	1545	SER	2.1
1	d	1602	SER	2.1
1	e	227	SER	2.1
2	G	295	SER	2.1
2	G	1384	GLN	2.1
2	G	1867	SER	2.1
2	J	476	SER	2.1
2	K	1705	SER	2.1
2	L	369	SER	2.1
2	h	1202	GLN	2.1
2	h	1726	GLY	2.1
2	i	242	GLY	2.1
2	i	474	SER	2.1
2	j	404	GLN	2.1
2	j	687	SER	2.1
3	P	12	GLN	2.1
3	Q	21	SER	2.1
1	A	217	PHE	2.1
1	A	679	LEU	2.1
1	A	710	PHE	2.1
1	E	158	LYS	2.1
1	E	960	GLU	2.1
1	E	975	ALA	2.1
1	E	1342	GLU	2.1
1	E	1480	GLU	2.1
1	F	858	TRP	2.1
1	F	1193	TRP	2.1
1	F	1774	GLU	2.1
1	a	1681	GLU	2.1
1	c	1439	ALA	2.1
1	f	1221	GLU	2.1
1	f	1244	GLY	2.1
1	f	1801	ALA	2.1
2	G	897	ALA	2.1
2	G	1594	GLU	2.1
2	H	247	ALA	2.1
2	H	424	ALA	2.1
2	K	1291	GLU	2.1
2	K	1961	GLU	2.1

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Mol	Chain	Res	Type	RSRZ
2	L	765	LEU	2.1
2	L	1138	TRP	2.1
2	L	1267	TRP	2.1
2	g	133	ALA	2.1
2	g	609	ALA	2.1
2	g	661	TRP	2.1
2	g	1786	LYS	2.1
2	h	1106	GLU	2.1
2	j	498	ALA	2.1
2	j	613	ALA	2.1
2	j	633	ALA	2.1
2	k	817	ALA	2.1
2	k	1724	GLU	2.1
2	l	1143	ALA	2.1
1	E	233	ILE	2.1
1	E	541	PRO	2.1
1	F	1200	ILE	2.1
1	F	1654	ILE	2.1
1	a	1501	LEU	2.1
1	b	1154	ILE	2.1
1	b	1400	ILE	2.1
1	c	14	LEU	2.1
1	c	140	ILE	2.1
1	c	1512	PHE	2.1
1	d	496	PRO	2.1
1	e	1441	PRO	2.1
1	f	674	LYS	2.1
2	l	1961	GLU	2.1
1	d	1414	ILE	2.1
1	d	1796	ILE	2.1
2	G	434	PRO	2.1
2	G	1214	LEU	2.1
2	G	1741	ILE	2.1
2	H	203	LEU	2.1
2	H	973	LEU	2.1
2	H	1139	PHE	2.1
2	H	1976	PHE	2.1
2	I	1127	PHE	2.1
2	J	1917	ILE	2.1
2	J	1987	PRO	2.1
2	K	426	PRO	2.1
2	K	432	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
2	g	11	LEU	2.1
2	i	726	PHE	2.1
2	j	675	PRO	2.1
2	j	801	PHE	2.1
2	j	1539	ILE	2.1
2	j	1717	LEU	2.1
2	k	796	PHE	2.1
2	k	1664	PHE	2.1
1	A	1273	ASP	2.1
1	C	429	ASP	2.1
1	d	1085	ASP	2.1
1	f	1668	ASP	2.1
2	G	1440	ASP	2.1
2	I	168	ASP	2.1
2	L	1079	ASP	2.1
2	g	1791	ASP	2.1
2	k	287	ASP	2.1
2	l	1903	ASP	2.1
3	r	101	ASP	2.1
1	B	145	VAL	2.1
1	B	1302	VAL	2.1
1	D	267	VAL	2.1
1	E	182	VAL	2.1
1	b	345	VAL	2.1
1	b	864	VAL	2.1
1	c	705	VAL	2.1
1	c	1769	VAL	2.1
1	d	493	VAL	2.1
1	f	1764	VAL	2.1
2	H	250	VAL	2.1
2	I	1109	VAL	2.1
2	I	1504	VAL	2.1
2	h	302	VAL	2.1
2	h	846	VAL	2.1
2	i	1254	VAL	2.1
2	i	1862	VAL	2.1
3	P	142	VAL	2.1
2	H	518	ARG	2.1
2	H	1838	MET	2.1
2	j	1150	ARG	2.1
1	B	860	ASN	2.1
1	b	465	ASN	2.1

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Mol	Chain	Res	Type	RSRZ
1	b	1737	ASN	2.1
1	A	797	THR	2.1
1	A	1372	THR	2.1
1	C	707	THR	2.1
1	D	249	TYR	2.1
1	E	625	THR	2.1
1	E	1706	TYR	2.1
2	i	311	TYR	2.1
2	i	357	ASN	2.1
2	k	566	HIS	2.1
2	k	1939	HIS	2.1
2	l	762	ASN	2.1
1	F	634	THR	2.1
1	F	715	THR	2.1
1	a	707	THR	2.1
1	c	629	THR	2.1
1	d	1865	THR	2.1
1	f	510	THR	2.1
2	h	601	THR	2.1
1	A	1848	ALA	2.1
1	B	347	ALA	2.1
1	B	739	GLN	2.1
1	B	849	LEU	2.1
1	B	1524	GLY	2.1
1	D	1285	ALA	2.1
1	D	1344	GLY	2.1
1	F	695	GLY	2.1
1	F	986	ALA	2.1
1	a	1136	ALA	2.1
1	a	1149	GLY	2.1
1	a	1653	ALA	2.1
1	E	4	GLU	2.1
1	A	534	PRO	2.1
1	A	1403	ILE	2.1
1	B	509	ILE	2.1
1	C	1096	SER	2.1
1	C	1702	GLU	2.1
1	D	828	PRO	2.1
1	D	1055	TRP	2.1
1	D	1056	ILE	2.1
1	E	186	ILE	2.1
1	E	279	SER	2.1

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Mol	Chain	Res	Type	RSRZ
1	E	687	SER	2.1
1	E	1249	SER	2.1
1	F	206	LEU	2.1
1	F	676	LYS	2.1
1	b	1543	GLY	2.1
1	c	475	GLN	2.1
1	d	1423	LYS	2.1
2	G	648	GLY	2.1
2	G	1247	GLY	2.1
1	e	1800	SER	2.1
1	e	1877	GLN	2.1
2	G	20	LEU	2.1
2	G	364	LYS	2.1
2	G	1750	LYS	2.1
2	G	1947	ALA	2.1
2	G	2050	GLN	2.1
2	H	30	ALA	2.1
2	H	1954	LYS	2.1
2	H	1990	SER	2.1
2	I	282	ALA	2.1
2	I	431	LEU	2.1
2	I	557	LYS	2.1
2	I	1303	ALA	2.1
2	I	1772	SER	2.1
2	K	178	GLN	2.1
2	K	364	LYS	2.1
2	I	2046	GLU	2.1
2	J	71	LEU	2.1
2	K	914	LEU	2.1
2	K	2020	GLN	2.1
2	L	1203	GLY	2.1
2	L	1675	GLY	2.1
2	L	12	SER	2.1
2	L	1753	LYS	2.1
2	L	46	GLU	2.1
2	L	318	SER	2.1
2	L	346	GLN	2.1
2	h	381	GLY	2.1
2	i	404	GLN	2.1
2	i	1639	LYS	2.1
2	h	1645	GLU	2.1
2	i	659	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
2	j	662	GLY	2.1
2	j	965	SER	2.1
2	j	1320	LEU	2.1
2	j	1767	GLU	2.1
2	j	1919	LEU	2.1
2	j	1989	LYS	2.1
2	k	191	SER	2.1
2	k	346	GLN	2.1
2	k	660	GLN	2.1
2	k	923	ALA	2.1
2	k	1084	LYS	2.1
2	k	1558	GLY	2.1
1	E	1006	PRO	2.1
1	a	1019	ILE	2.1
1	a	1026	GLU	2.1
1	a	1338	GLU	2.1
1	a	1519	ILE	2.1
1	c	78	ILE	2.1
1	c	211	GLU	2.1
1	c	770	PRO	2.1
1	e	92	PRO	2.1
1	e	297	ILE	2.1
2	G	1256	GLU	2.1
2	G	1961	GLU	2.1
2	k	1300	PHE	2.1
2	k	1419	PHE	2.1
2	k	1471	GLU	2.1
2	k	1486	PHE	2.1
2	k	1794	SER	2.1
2	l	468	LEU	2.1
2	l	498	ALA	2.1
3	N	29	ALA	2.1
3	O	76	SER	2.1
3	n	111	LYS	2.1
3	q	56	LEU	2.1
3	r	77	GLY	2.1
2	K	258	PHE	2.1
2	K	714	SER	2.1
2	I	1859	PRO	2.1
2	J	1097	ILE	2.1
2	L	793	PRO	2.1
2	L	1147	ILE	2.1

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Mol	Chain	Res	Type	RSRZ
2	g	491	GLU	2.1
2	g	1673	GLU	2.1
2	h	1135	GLU	2.1
2	J	1779	PRO	2.1
2	h	1019	PRO	2.1
2	h	1098	PRO	2.1
2	h	1169	PRO	2.1
2	j	559	PRO	2.1
2	j	1335	ILE	2.1
2	k	218	TRP	2.1
2	l	590	PRO	2.1
1	C	1086	ASP	2.1
1	C	1203	ASP	2.1
1	E	492	ASP	2.1
1	E	661	ASP	2.1
1	b	1014	ASP	2.1
1	d	1001	VAL	2.1
1	e	45	VAL	2.1
1	A	803	MET	2.1
1	B	1396	MET	2.1
1	D	901	MET	2.1
1	F	813	ARG	2.1
1	c	442	ARG	2.1
1	c	1412	ASP	2.1
2	G	521	ASP	2.1
2	I	22	VAL	2.1
2	I	1015	VAL	2.1
2	K	117	VAL	2.1
2	h	1048	VAL	2.1
2	h	1058	VAL	2.1
2	i	294	VAL	2.1
2	i	1842	VAL	2.1
2	j	1382	VAL	2.1
2	j	1791	ASP	2.1
2	k	371	VAL	2.1
2	l	602	VAL	2.1
3	O	92	VAL	2.1
1	d	440	MET	2.1
1	e	352	MET	2.1
2	K	264	ARG	2.1
2	h	394	ARG	2.1
2	h	526	ARG	2.1

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Mol	Chain	Res	Type	RSRZ
2	i	130	ARG	2.1
2	i	1006	MET	2.1
2	i	1404	MET	2.1
2	j	600	CYS	2.1
2	j	1007	CYS	2.1
2	k	7	ARG	2.1
2	l	806	MET	2.1
3	r	135	MET	2.1
1	D	1494	HIS	2.1
1	A	197	THR	2.1
1	A	458	THR	2.1
1	A	1594	ASN	2.1
1	C	1583	HIS	2.1
2	H	180	TYR	2.1
2	H	674	TYR	2.1
1	A	1785	THR	2.1
1	B	510	THR	2.1
1	B	1069	GLY	2.1
1	B	1191	THR	2.1
1	C	978	ALA	2.1
1	D	159	LEU	2.1
1	E	154	LEU	2.1
1	F	441	ASN	2.1
1	F	929	GLY	2.1
1	a	875	THR	2.1
1	a	1095	THR	2.1
1	b	824	LEU	2.1
1	b	851	ASN	2.1
1	b	1600	LEU	2.1
1	c	1281	ASN	2.1
1	d	882	ASN	2.1
1	d	1166	LYS	2.1
1	d	1323	LYS	2.1
1	e	491	LYS	2.1
1	e	1731	LEU	2.1
1	f	1856	LYS	2.1
2	G	486	LEU	2.1
2	G	1498	THR	2.1
2	H	240	LEU	2.1
2	H	343	ASN	2.1
2	J	354	ASN	2.1
2	J	1476	ASN	2.1

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Mol	Chain	Res	Type	RSRZ
2	L	134	LYS	2.1
2	L	316	ASN	2.1
2	L	1188	ASN	2.1
2	g	93	ASN	2.1
2	g	1051	THR	2.1
2	h	390	ASN	2.1
2	h	558	ASN	2.1
2	i	18	HIS	2.1
2	k	1002	HIS	2.1
2	i	499	THR	2.1
2	i	1268	LYS	2.1
2	i	1655	ALA	2.1
2	j	1034	LEU	2.1
2	k	386	LEU	2.1
2	l	20	LEU	2.1
2	l	446	ASN	2.1
2	l	502	LEU	2.1
2	l	1535	ASN	2.1
2	l	1919	LEU	2.1
3	O	112	THR	2.1
3	P	37	ASN	2.1
1	B	1292	ILE	2.1
1	D	683	ALA	2.1
1	D	1175	ILE	2.1
1	D	1382	ALA	2.1
1	b	688	ILE	2.1
1	c	1644	PHE	2.1
1	e	683	ALA	2.1
1	f	213	PHE	2.1
2	H	575	GLY	2.1
1	E	1147	GLN	2.1
2	G	368	ILE	2.1
2	G	677	GLN	2.1
2	H	676	ILE	2.1
2	I	984	PHE	2.1
2	I	1333	ALA	2.1
2	I	1879	GLY	2.1
2	J	154	ALA	2.1
2	J	699	GLY	2.1
2	I	178	GLN	2.1
2	K	652	ILE	2.1
2	K	1554	ALA	2.1

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Mol	Chain	Res	Type	RSRZ
2	H	1046	GLN	2.1
2	k	1872	GLN	2.1
2	l	743	PHE	2.1
2	l	841	GLY	2.1
2	L	1855	ILE	2.1
2	g	1778	GLN	2.1
2	i	1088	GLN	2.1
2	j	457	ILE	2.1
2	j	676	ILE	2.1
1	A	51	PRO	2.1
1	A	609	SER	2.1
1	B	435	GLU	2.1
1	B	825	PRO	2.1
1	B	984	PRO	2.1
1	C	405	SER	2.1
1	C	633	GLU	2.1
1	C	1116	PRO	2.1
1	C	1521	PRO	2.1
1	D	1718	PRO	2.1
1	E	1435	SER	2.1
1	E	1765	SER	2.1
1	F	1277	GLU	2.1
1	a	270	SER	2.1
1	b	602	GLU	2.1
1	b	984	PRO	2.1
1	b	1284	SER	2.1
1	c	856	GLU	2.1
1	d	1800	SER	2.1
1	e	1559	GLU	2.1
1	f	763	TRP	2.1
1	f	1032	SER	2.1
2	G	1106	GLU	2.1
2	H	1951	SER	2.1
2	I	46	GLU	2.1
2	I	792	PRO	2.1
2	I	961	SER	2.1
2	I	1405	GLU	2.1
2	J	35	GLU	2.1
2	J	426	PRO	2.1
2	J	490	TRP	2.1
2	K	849	GLU	2.1
2	K	1823	SER	2.1

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Mol	Chain	Res	Type	RSRZ
2	L	727	PRO	2.1
2	L	1183	GLU	2.1
2	L	1825	GLU	2.1
2	g	1225	GLU	2.1
2	g	1438	SER	2.1
2	g	1566	SER	2.1
2	g	2037	PRO	2.1
2	h	1136	GLU	2.1
2	i	564	GLU	2.1
2	j	217	GLU	2.1
2	j	1602	SER	2.1
2	j	1990	SER	2.1
2	k	1671	SER	2.1
3	P	145	PRO	2.1
1	a	298	VAL	2.1
1	e	145	VAL	2.1
1	f	1089	VAL	2.1
2	H	602	VAL	2.1
2	I	1371	VAL	2.1
2	J	1565	VAL	2.1
2	j	1556	VAL	2.1
1	E	795	MET	2.1
1	E	1396	MET	2.1
1	a	359	ARG	2.1
1	e	1258	ARG	2.1
2	H	658	MET	2.1
2	H	1590	ARG	2.1
2	g	1956	ARG	2.1
2	h	419	ARG	2.1
2	h	1317	ARG	2.1
2	j	944	ARG	2.1
3	o	23	MET	2.1
1	A	1130	ASP	2.1
1	B	403	ASP	2.1
1	F	1230	ASP	2.1
1	a	1550	ASP	2.1
1	f	764	ASP	2.1
2	L	1075	ASP	2.1
2	l	481	ASP	2.1
1	C	151	LEU	2.1
1	C	453	TYR	2.1
1	C	1694	TYR	2.1

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Mol	Chain	Res	Type	RSRZ
1	C	1775	LEU	2.1
1	E	491	LYS	2.1
1	E	1536	LEU	2.1
1	a	158	LYS	2.1
1	d	1151	LYS	2.1
2	G	177	TYR	2.1
2	H	319	LEU	2.1
2	I	303	LEU	2.1
2	J	600	CYS	2.1
2	J	1308	CYS	2.1
2	J	1484	LYS	2.1
2	J	2017	LYS	2.1
2	K	573	LYS	2.1
2	K	674	TYR	2.1
2	L	1617	LEU	2.1
2	g	230	TYR	2.1
2	g	254	LYS	2.1
2	h	1753	LYS	2.1
2	i	207	LYS	2.1
2	l	216	LEU	2.1
2	l	901	LYS	2.1
2	l	1083	LYS	2.1
2	l	1090	TYR	2.1
2	l	1269	LEU	2.1
2	l	1891	TYR	2.1
3	N	81	LEU	2.1
1	A	407	ASN	2.1
1	B	1194	ASN	2.1
1	B	1415	GLY	2.1
1	C	881	ASN	2.1
1	C	1474	ALA	2.1
1	C	1510	ASN	2.1
1	D	1837	ILE	2.1
1	E	219	GLY	2.1
1	E	978	ALA	2.1
1	E	1756	ILE	2.1
1	F	172	ILE	2.1
1	F	740	GLY	2.1
1	F	1225	ALA	2.1
1	a	503	ILE	2.1
1	a	1252	GLY	2.1
1	a	1408	ALA	2.1

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Mol	Chain	Res	Type	RSRZ
1	a	1833	ALA	2.1
1	b	331	ILE	2.1
1	c	240	GLY	2.1
1	c	726	GLY	2.1
1	c	859	ALA	2.1
1	c	1154	ILE	2.1
1	c	1664	ALA	2.1
1	c	1811	GLY	2.1
1	c	1458	GLN	2.1
1	c	1777	THR	2.1
1	c	1843	ASN	2.1
1	e	510	THR	2.1
1	e	860	ASN	2.1
1	e	1679	ALA	2.1
1	f	1330	GLY	2.1
2	G	734	GLY	2.1
2	G	743	PHE	2.1
2	G	861	GLY	2.1
2	H	498	ALA	2.1
2	I	416	PHE	2.1
2	I	1711	ILE	2.1
2	J	542	GLY	2.1
2	J	554	GLY	2.1
2	J	808	ALA	2.1
2	J	2016	ALA	2.1
2	K	1713	ASN	2.1
2	L	648	GLY	2.1
2	L	2019	PHE	2.1
2	g	293	PHE	2.1
2	g	357	ASN	2.1
2	g	662	GLY	2.1
2	g	822	ALA	2.1
2	g	1248	PHE	2.1
2	g	1677	GLY	2.1
2	h	1925	ILE	2.1
2	h	1963	GLY	2.1
2	i	717	ILE	2.1
2	i	1582	GLY	2.1
2	k	38	ASN	2.1
2	k	190	PHE	2.1
2	k	1400	GLY	2.1
2	k	1888	ILE	2.1

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Mol	Chain	Res	Type	RSRZ
2	k	1997	ILE	2.1
2	l	1577	GLY	2.1
1	A	989	GLN	2.1
1	B	1648	GLN	2.1
1	E	989	GLN	2.1
1	e	1095	THR	2.1
1	f	918	GLN	2.1
1	f	931	GLN	2.1
1	f	1385	GLN	2.1
2	G	1979	THR	2.1
2	H	1803	THR	2.1
2	K	777	THR	2.1
2	i	356	THR	2.1
2	i	1008	GLN	2.1
2	j	777	THR	2.1
3	q	97	ASN	2.1
3	r	112	THR	2.1
1	A	1364	GLU	2.1
1	B	1860	GLU	2.1
1	D	201	PRO	2.1
1	C	1046	SER	2.1
1	C	1640	SER	2.1
1	D	279	SER	2.1
1	D	1233	GLU	2.1
1	E	1476	GLU	2.1
1	a	623	SER	2.1
1	a	1128	GLU	2.1
1	a	1788	GLU	2.1
1	b	1109	GLU	2.1
1	b	1757	GLU	2.1
1	c	1247	SER	2.1
1	d	1040	GLU	2.1
1	e	460	GLU	2.1
1	e	1476	GLU	2.1
1	e	1568	GLU	2.1
2	G	31	SER	2.1
2	H	75	SER	2.1
2	H	290	GLU	2.1
2	I	399	PRO	2.1
2	I	546	GLU	2.1
2	I	795	PRO	2.1
2	H	1602	SER	2.1

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Mol	Chain	Res	Type	RSRZ
2	I	687	SER	2.1
2	J	436	SER	2.1
2	L	1500	GLU	2.1
2	g	1557	SER	2.1
2	g	2024	GLU	2.1
2	i	2049	GLU	2.1
2	l	732	TRP	2.1
2	j	1585	SER	2.1
2	l	318	SER	2.1
2	l	1865	SER	2.1
3	n	57	GLU	2.1
3	p	85	SER	2.1
3	p	106	GLU	2.1
3	q	76	SER	2.1
1	A	1027	VAL	2.1
1	F	957	VAL	2.1
1	b	626	VAL	2.1
1	e	933	VAL	2.1
2	G	366	VAL	2.1
2	L	1058	VAL	2.1
2	i	366	VAL	2.1
2	l	514	VAL	2.1
1	B	1755	MET	2.0
1	C	56	MET	2.0
1	D	1515	ARG	2.0
1	D	1566	ARG	2.0
1	b	826	MET	2.0
1	d	400	ARG	2.0
1	d	1258	ARG	2.0
1	e	1669	ARG	2.0
2	L	860	ARG	2.0
2	i	804	ARG	2.0
2	k	1730	ARG	2.0
2	l	200	ARG	2.0
1	C	179	LYS	2.0
1	C	382	LEU	2.0
1	E	742	LYS	2.0
1	a	164	ASP	2.0
1	a	229	LEU	2.0
1	c	365	LYS	2.0
1	c	1851	LEU	2.0
1	d	426	LYS	2.0

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Mol	Chain	Res	Type	RSRZ
1	d	518	LYS	2.0
1	d	521	LYS	2.0
1	d	1079	LYS	2.0
1	e	1460	LYS	2.0
2	I	790	ASP	2.0
2	I	1505	ASP	2.0
2	I	1820	ASP	2.0
2	K	71	LEU	2.0
2	k	929	LEU	2.0
2	k	1560	LEU	2.0
2	k	1919	LEU	2.0
3	m	17	LYS	2.0
1	b	511	TYR	2.0
1	c	1634	ASP	2.0
2	G	674	TYR	2.0
2	L	1344	ASP	2.0
2	g	126	TYR	2.0
2	g	464	ASP	2.0
2	g	791	TYR	2.0
2	h	1357	TYR	2.0
3	P	96	TYR	2.0
1	A	11	HIS	2.0
1	A	988	ILE	2.0
1	A	1583	HIS	2.0
1	B	454	HIS	2.0
1	B	1871	ILE	2.0
1	C	1381	GLY	2.0
1	D	647	GLY	2.0
1	F	604	ALA	2.0
1	b	177	GLY	2.0
1	b	278	GLY	2.0
1	b	683	ALA	2.0
1	b	686	GLY	2.0
1	b	1747	ALA	2.0
1	c	1141	ALA	2.0
1	d	1829	GLY	2.0
1	e	1069	GLY	2.0
1	e	1387	ILE	2.0
1	e	1494	HIS	2.0
2	G	570	ILE	2.0
2	G	578	PHE	2.0
2	H	475	ILE	2.0

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Mol	Chain	Res	Type	RSRZ
2	H	633	ALA	2.0
2	H	1345	GLY	2.0
2	I	990	ALA	2.0
2	J	873	PHE	2.0
2	K	475	ILE	2.0
2	L	570	ILE	2.0
2	L	1591	ALA	2.0
2	g	817	ALA	2.0
2	g	1984	GLY	2.0
2	i	1285	ILE	2.0
2	i	1442	ALA	2.0
2	j	25	ALA	2.0
2	j	159	ILE	2.0
2	l	236	ILE	2.0
2	l	1062	PHE	2.0
3	P	5	GLY	2.0
1	B	1327	CYS	2.0
1	E	805	CYS	2.0
1	E	1327	CYS	2.0
2	k	87	CYS	2.0
1	A	198	PRO	2.0
1	A	238	PRO	2.0
1	A	1490	THR	2.0
1	B	921	PRO	2.0
1	C	904	ASN	2.0
1	D	1282	THR	2.0
1	E	461	THR	2.0
1	E	911	PRO	2.0
1	F	1073	THR	2.0
1	b	918	GLN	2.0
1	b	1865	THR	2.0
1	e	52	THR	2.0
1	e	1546	THR	2.0
2	G	382	PRO	2.0
2	G	1281	PRO	2.0
2	H	1550	ASN	2.0
2	H	1713	ASN	2.0
2	H	1839	GLN	2.0
2	I	1872	GLN	2.0
2	J	1407	THR	2.0
2	L	935	THR	2.0
2	L	1495	THR	2.0

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Mol	Chain	Res	Type	RSRZ
2	g	1148	ASN	2.0
2	K	1785	GLU	2.0
2	L	218	TRP	2.0
2	g	1714	PRO	2.0
2	h	494	THR	2.0
2	h	1208	THR	2.0
2	h	2012	PRO	2.0
2	i	301	THR	2.0
2	i	494	THR	2.0
2	i	559	PRO	2.0
2	i	998	GLN	2.0
2	j	1342	THR	2.0
2	k	1193	THR	2.0
2	k	1716	ASN	2.0
1	A	847	GLU	2.0
1	B	1109	GLU	2.0
1	C	1132	GLU	2.0
1	D	478	GLU	2.0
1	a	42	GLU	2.0
1	a	329	GLU	2.0
1	a	1107	GLU	2.0
1	a	1355	GLU	2.0
1	e	1860	GLU	2.0
2	G	1449	TRP	2.0
2	l	2033	THR	2.0
3	N	33	THR	2.0
2	I	1754	GLU	2.0
2	J	1309	GLU	2.0
2	l	978	GLU	2.0
2	l	1405	GLU	2.0
2	l	1492	GLU	2.0
3	R	88	GLU	2.0
1	A	613	VAL	2.0
1	A	705	VAL	2.0
1	B	153	VAL	2.0
1	B	1340	SER	2.0
1	E	1001	VAL	2.0
1	a	687	SER	2.0
1	a	1254	VAL	2.0
1	a	1814	SER	2.0
1	c	1201	SER	2.0
1	d	50	SER	2.0

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Mol	Chain	Res	Type	RSRZ
1	d	218	SER	2.0
1	e	627	SER	2.0
1	f	626	VAL	2.0
2	G	922	VAL	2.0
2	G	1351	VAL	2.0
2	H	294	VAL	2.0
2	I	295	SER	2.0
2	J	510	SER	2.0
2	K	459	VAL	2.0
2	K	1343	VAL	2.0
2	L	773	SER	2.0
2	L	2029	VAL	2.0
2	g	223	SER	2.0
2	g	385	SER	2.0
2	g	1037	SER	2.0
2	k	1100	VAL	2.0
2	k	1910	VAL	2.0
2	l	1840	VAL	2.0
3	O	86	VAL	2.0
1	D	1416	ARG	2.0
1	E	944	ARG	2.0
1	E	1759	MET	2.0
1	b	27	ARG	2.0
1	b	276	ARG	2.0
1	b	290	MET	2.0
1	c	1560	MET	2.0
1	e	1251	MET	2.0
2	H	1784	MET	2.0
2	J	7	ARG	2.0
2	g	1844	ARG	2.0
2	j	1171	ARG	2.0
1	D	1547	LYS	2.0
1	E	1067	LEU	2.0
1	c	1828	LEU	2.0
1	d	1844	LYS	2.0
1	e	53	LEU	2.0
1	e	1443	LEU	2.0
2	G	556	LYS	2.0
2	G	562	LEU	2.0
2	H	643	LYS	2.0
2	J	1954	LYS	2.0
2	K	819	LYS	2.0

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Mol	Chain	Res	Type	RSRZ
2	g	364	LYS	2.0
2	g	1269	LEU	2.0
2	g	1750	LYS	2.0
2	i	1128	LYS	2.0
2	i	1795	LYS	2.0
2	j	1950	LYS	2.0
2	k	1034	LEU	2.0
1	A	243	ILE	2.0
1	B	1756	ILE	2.0
1	E	1072	TYR	2.0
1	a	1798	TYR	2.0
2	G	807	ILE	2.0
2	H	543	PHE	2.0
2	J	1501	ILE	2.0
2	J	1704	PHE	2.0
2	K	1925	ILE	2.0
2	L	780	TYR	2.0
2	j	463	PHE	2.0
2	j	541	TYR	2.0
2	j	2011	ILE	2.0
2	k	1752	PHE	2.0
1	A	485	ASP	2.0
1	A	1043	GLY	2.0
1	C	147	ALA	2.0
1	E	285	ALA	2.0
1	E	389	GLY	2.0
1	F	84	ASP	2.0
1	a	683	ALA	2.0
1	a	880	ALA	2.0
1	a	1742	ASP	2.0
1	b	373	ALA	2.0
1	b	1422	GLY	2.0
1	d	1539	ALA	2.0
1	e	142	ASP	2.0
1	e	1203	ASP	2.0
1	e	1330	GLY	2.0
1	f	446	ALA	2.0
1	f	667	ALA	2.0
1	f	1230	ASP	2.0
1	f	1525	ALA	2.0
2	H	609	ALA	2.0
2	H	1418	ASP	2.0

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Mol	Chain	Res	Type	RSRZ
2	J	103	ALA	2.0
2	K	772	GLY	2.0
2	K	1806	GLY	2.0
2	L	374	ALA	2.0
2	L	530	ALA	2.0
2	g	62	GLY	2.0
2	h	1769	GLY	2.0
2	i	204	ASP	2.0
2	i	1587	ALA	2.0
2	j	1303	ALA	2.0
2	k	2031	ASP	2.0
2	l	823	ALA	2.0
2	l	1440	ASP	2.0
2	l	1726	GLY	2.0
3	m	54	ALA	2.0
1	e	1873	HIS	2.0
2	J	430	HIS	2.0
2	g	13	HIS	2.0
1	A	1598	GLN	2.0
2	H	1420	GLU	2.0
2	H	1665	VAL	2.0
2	I	459	VAL	2.0
2	I	718	ASN	2.0
2	I	916	THR	2.0
2	I	1399	ASN	2.0
2	J	1237	PRO	2.0
2	K	591	PRO	2.0
2	L	1322	PRO	2.0
2	I	412	ARG	2.0
2	I	518	ARG	2.0
2	I	1497	GLU	2.0
2	I	1546	THR	2.0
2	J	638	VAL	2.0
2	L	1094	GLU	2.0
2	L	1208	THR	2.0
2	L	1995	ASN	2.0
2	g	376	ASN	2.0
2	i	686	PRO	2.0
2	i	685	VAL	2.0
2	i	1199	GLU	2.0
2	i	1740	THR	2.0
2	i	2015	THR	2.0

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Mol	Chain	Res	Type	RSRZ
2	i	2027	GLN	2.0
2	j	1228	THR	2.0
2	k	345	THR	2.0
2	k	1168	ASN	2.0
2	k	1523	ASN	2.0
2	k	1663	THR	2.0
2	l	1061	GLN	2.0
2	l	1281	PRO	2.0
1	A	424	VAL	2.0
1	A	863	THR	2.0
1	D	1272	ASN	2.0
1	E	144	PRO	2.0
1	C	889	GLU	2.0
1	C	1463	VAL	2.0
1	D	432	VAL	2.0
1	D	738	ASN	2.0
1	A	1135	GLU	2.0
1	A	1468	GLU	2.0
1	A	1498	GLU	2.0
1	B	750	GLU	2.0
1	E	910	THR	2.0
1	E	1030	TRP	2.0
1	E	1879	VAL	2.0
1	F	863	THR	2.0
1	a	1591	TRP	2.0
1	b	381	GLU	2.0
1	b	1140	THR	2.0
1	c	524	GLN	2.0
1	f	167	PRO	2.0
1	f	770	PRO	2.0
1	B	1416	ARG	2.0
1	E	260	ARG	2.0
1	F	30	GLU	2.0
1	F	91	THR	2.0
1	F	900	GLU	2.0
1	F	1016	GLU	2.0
1	a	77	GLU	2.0
1	a	1120	GLU	2.0
1	a	1769	VAL	2.0
1	b	1722	VAL	2.0
1	c	208	GLU	2.0
1	c	1084	VAL	2.0

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Mol	Chain	Res	Type	RSRZ
1	c	1109	GLU	2.0
1	e	216	THR	2.0
1	e	634	THR	2.0
1	f	1442	ASN	2.0
1	f	358	GLU	2.0
1	f	681	THR	2.0
1	f	1639	VAL	2.0
1	f	1666	THR	2.0
1	f	1561	MET	2.0
2	G	1749	GLU	2.0
2	G	1777	THR	2.0
2	H	6	THR	2.0
2	H	252	THR	2.0
2	H	1208	THR	2.0
1	d	442	ARG	2.0
1	e	709	ARG	2.0
2	H	1881	ARG	2.0
2	J	1469	GLU	2.0
2	L	1658	GLU	2.0
2	g	546	GLU	2.0
2	g	1173	VAL	2.0
2	h	963	THR	2.0
2	k	1999	GLU	2.0
2	l	1026	GLU	2.0
3	O	57	GLU	2.0
3	o	133	VAL	2.0
2	J	1604	ARG	2.0
2	K	518	ARG	2.0
2	L	1765	ARG	2.0
2	g	1050	ARG	2.0
2	j	200	ARG	2.0
2	k	847	ARG	2.0
1	A	395	SER	2.0
1	B	149	LEU	2.0
1	B	522	LEU	2.0
1	C	650	LYS	2.0
1	C	811	SER	2.0
1	C	926	LEU	2.0
1	C	1443	LEU	2.0
1	D	1435	SER	2.0
1	E	146	LYS	2.0
1	F	73	SER	2.0

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Mol	Chain	Res	Type	RSRZ
1	F	395	SER	2.0
1	b	1643	SER	2.0
1	c	230	SER	2.0
1	d	175	LEU	2.0
1	d	443	SER	2.0
1	d	1417	SER	2.0
1	e	951	SER	2.0
2	H	533	LEU	2.0
2	I	714	SER	2.0
2	I	1031	LYS	2.0
2	J	256	LEU	2.0
2	K	265	SER	2.0
2	K	552	SER	2.0
2	L	1959	LYS	2.0
2	g	63	LYS	2.0
2	g	1439	LYS	2.0
2	h	1586	SER	2.0
2	h	1747	LYS	2.0
2	j	233	SER	2.0
2	k	1425	LYS	2.0
2	l	476	SER	2.0
2	l	1850	SER	2.0
1	A	1174	TYR	2.0
1	B	511	TYR	2.0
1	D	1512	PHE	2.0
1	E	90	TYR	2.0
1	F	718	TYR	2.0
1	a	186	ILE	2.0
1	c	1576	PHE	2.0
1	d	509	ILE	2.0
1	e	1745	ILE	2.0
2	G	657	PHE	2.0
2	G	1325	PHE	2.0
2	H	1944	ILE	2.0
2	I	994	PHE	2.0
2	I	2019	PHE	2.0
2	K	305	PHE	2.0
2	h	266	TYR	2.0
2	j	2038	ILE	2.0
2	k	283	ILE	2.0
2	k	799	PHE	2.0
2	l	1412	TYR	2.0

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Mol	Chain	Res	Type	RSRZ
1	A	147	ALA	2.0
1	A	1250	GLY	2.0
1	E	1815	ALA	2.0
1	a	48	GLY	2.0
1	a	71	ALA	2.0
1	a	259	GLY	2.0
1	b	1330	GLY	2.0
1	b	1704	ALA	2.0
1	c	54	ALA	2.0
1	c	866	GLY	2.0
1	c	1348	ALA	2.0
1	e	1539	ALA	2.0
1	f	220	ALA	2.0
1	f	887	GLY	2.0
1	f	892	GLY	2.0
1	f	1635	GLY	2.0
1	f	1853	GLY	2.0
2	L	1806	GLY	2.0
2	g	2034	GLY	2.0
2	h	1144	GLY	2.0
2	i	858	ALA	2.0
2	j	648	GLY	2.0
3	n	5	GLY	2.0
3	n	80	ALA	2.0
1	C	1703	HIS	2.0
1	F	1063	HIS	2.0
1	d	1412	ASP	2.0
1	f	335	HIS	2.0
2	G	1162	ASP	2.0
2	H	102	HIS	2.0
2	H	204	ASP	2.0
2	H	1346	ASP	2.0
2	K	1434	HIS	2.0
2	g	102	HIS	2.0
2	g	1614	ASP	2.0
2	k	351	ASP	2.0
2	k	534	ASP	2.0
2	k	540	ASP	2.0
3	n	136	ASP	2.0
1	E	921	PRO	2.0
1	B	475	GLN	2.0
1	B	777	GLN	2.0

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Mol	Chain	Res	Type	RSRZ
1	E	1302	VAL	2.0
1	F	3	PRO	2.0
1	b	1419	PRO	2.0
1	c	1421	PRO	2.0
2	G	42	PRO	2.0
2	G	426	PRO	2.0
2	G	1343	VAL	2.0
2	G	2018	PRO	2.0
2	H	260	PRO	2.0
2	H	675	PRO	2.0
1	D	1325	ARG	2.0
1	F	1075	TRP	2.0
1	a	861	GLN	2.0
1	e	408	TRP	2.0
2	H	900	GLN	2.0
2	H	1065	VAL	2.0
2	I	686	PRO	2.0
2	I	881	VAL	2.0
2	J	1329	VAL	2.0
2	K	361	PRO	2.0
2	L	550	VAL	2.0
2	g	1432	GLN	2.0
2	g	1775	GLN	2.0
2	h	1194	VAL	2.0
2	i	383	PRO	2.0
2	h	1331	TRP	2.0
2	i	77	VAL	2.0
2	j	1207	PRO	2.0
2	k	1069	PRO	2.0
2	i	1928	GLN	2.0
2	l	423	VAL	2.0
2	l	1173	VAL	2.0
3	p	133	VAL	2.0
1	B	154	LEU	2.0
1	B	491	LYS	2.0
1	B	514	GLU	2.0
1	B	1135	GLU	2.0
1	B	1518	ARG	2.0
1	B	1471	LYS	2.0
1	B	1580	LEU	2.0
1	C	478	GLU	2.0
1	C	1797	GLU	2.0

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Mol	Chain	Res	Type	RSRZ
1	D	912	GLU	2.0
1	D	1860	GLU	2.0
1	a	1823	LEU	2.0
1	a	1865	THR	2.0
1	b	197	THR	2.0
1	b	460	GLU	2.0
1	b	691	GLU	2.0
1	b	1468	GLU	2.0
1	c	381	GLU	2.0
1	c	987	ASN	2.0
1	c	1073	THR	2.0
1	c	1124	GLU	2.0
1	c	1594	ASN	2.0
1	d	41	THR	2.0
1	d	912	GLU	2.0
1	d	1741	LYS	2.0
1	e	452	GLU	2.0
2	G	1478	ASN	2.0
2	H	1148	ASN	2.0
2	I	489	LYS	2.0
2	I	733	THR	2.0
2	I	1150	ARG	2.0
2	I	2000	ASN	2.0
2	J	847	ARG	2.0
2	J	1478	ASN	2.0
2	J	1909	THR	2.0
2	K	115	THR	2.0
2	K	1034	LEU	2.0
2	K	1495	THR	2.0
2	K	1594	GLU	2.0
2	L	995	LEU	2.0
2	L	1122	GLU	2.0
2	L	1437	THR	2.0
2	L	1999	GLU	2.0
2	g	978	GLU	2.0
2	g	1135	GLU	2.0
2	g	1375	THR	2.0
2	h	1724	GLU	2.0
2	i	533	LEU	2.0
2	i	1942	GLU	2.0
2	k	825	THR	2.0
2	k	1171	ARG	2.0

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Mol	Chain	Res	Type	RSRZ
2	k	1422	THR	2.0
2	l	486	LEU	2.0
2	l	1051	THR	2.0
2	l	1609	THR	2.0
2	l	1912	ASN	2.0
3	R	23	MET	2.0
2	H	1155	LEU	2.0
2	K	600	CYS	2.0
2	g	1981	LEU	2.0
3	P	51	LYS	2.0
3	n	103	LEU	2.0
1	C	623	SER	2.0
1	C	1740	SER	2.0
1	F	1479	SER	2.0
1	b	972	SER	2.0
1	b	1435	SER	2.0
1	c	1640	SER	2.0
1	f	404	SER	2.0
1	f	1435	SER	2.0
2	G	322	SER	2.0
2	J	196	SER	2.0
2	K	626	SER	2.0
2	K	1380	SER	2.0
2	g	26	SER	2.0
2	h	295	SER	2.0
2	i	1145	SER	2.0
2	k	340	SER	2.0
2	k	1823	SER	2.0
1	B	1579	PHE	2.0
1	C	1687	PHE	2.0
1	D	1261	PHE	2.0
1	D	1279	PHE	2.0
1	b	1181	PHE	2.0
1	c	402	PHE	2.0
1	e	903	PHE	2.0
2	G	1486	PHE	2.0
2	K	1866	PHE	2.0
2	g	994	PHE	2.0
2	h	1569	PHE	2.0
2	h	1976	PHE	2.0
2	j	1664	PHE	2.0
2	k	625	PHE	2.0

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

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

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

There are no ligands in this entry.

6.5 Other polymers [i](#)

There are no such residues in this entry.