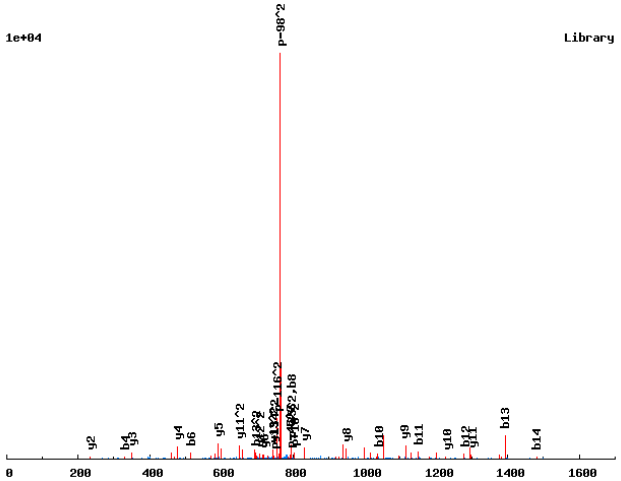
Annotated spectra from Saleem et. al. 2009

Annotated spectra from Saleem et. al. 2009

K.AAADALS$_{167}$DLEIKDSK.S/2

1

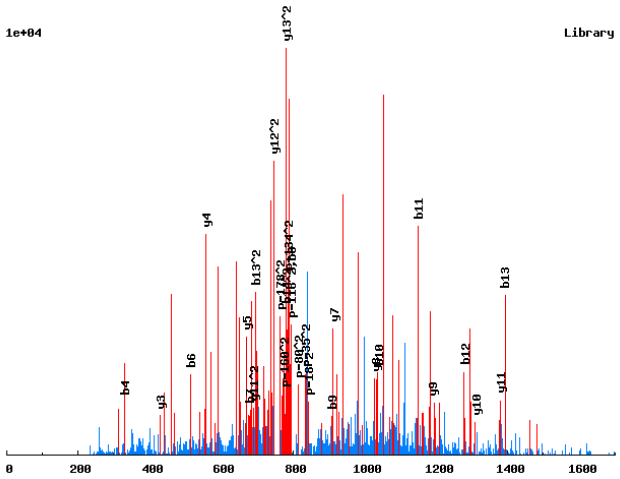


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
143.0815	72.0444	2	A	14	1555.7251	778.3662
214.1186	107.5629	3	A	13	1484.6880	**742.8476**
329.1456	165.0764	4	D	12	1413.6509	**707.3291**
400.1827	200.5950	5	A	11	**1298.6239**	**649.8156**
513.2667	257.1370	6	L	10	**1227.5868**	614.2970
680.2651	340.6362	7	S[167]	9	**1114.5027**	557.7550
795.2920	398.1497	8	D	8	**947.5044**	474.2558
908.3761	454.6917	9	L	7	**832.4774**	416.7424
1037.4187	519.2130	10	E	6	**719.3934**	360.2003
1150.5027	575.7550	11	I	5	**590.3508**	295.6790
1278.5977	639.8025	12	K	4	**477.2667**	239.1370
1393.6246	**697.3160**	13	D	3	**349.1718**	175.0895
1480.6567	740.8320	14	S	2	**234.1448**	117.5761
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.AAADALS$_{167}$DLEIKDS$_{167}$K.S/2

0.9875

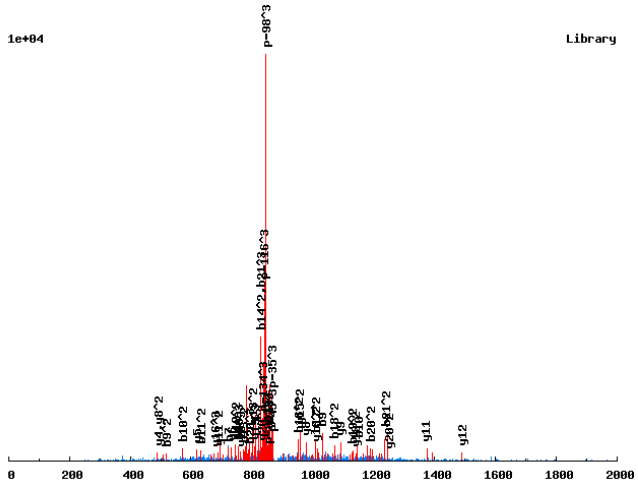


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
143.0815	72.0444	2	A	14	1635.6914	818.3493
214.1186	107.5629	3	A	13	1564.6543	**782.8308**
329.1456	165.0764	4	D	12	1493.6172	**747.3122**
400.1827	200.5950	5	A	11	**1378.5902**	**689.7988**
513.2667	257.1370	6	L	10	**1307.5531**	654.2802
680.2651	340.6362	7	S[167]	9	**1194.4691**	597.7382
795.2920	398.1497	8	D	8	**1027.4707**	514.2390
908.3761	454.6917	9	L	7	**912.4438**	456.7255
1037.4187	519.2130	10	E	6	799.3597	400.1835
1150.5027	575.7550	11	I	5	**670.3171**	335.6622
1278.5977	639.8025	12	K	4	**557.2331**	279.1202
1393.6246	**697.3160**	13	D	3	**429.1381**	215.0727
1560.6230	**780.8151**	14	S[167]	2	314.1112	157.5592
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.AAAHQQNYFNDS$_{167}$DDEDDEDNIK.Q/3

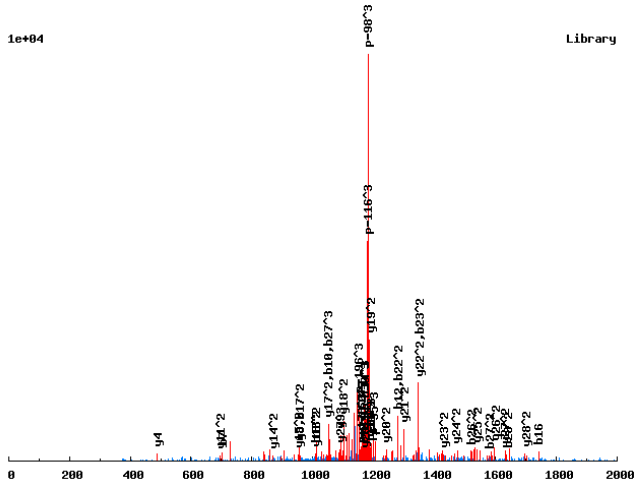
0.9998



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	22			
143.0815	72.0444	48.3654	2	A	21	2562.9529	1281.9801	**854.9891**
214.1186	107.5629	72.0444	3	A	20	2491.9158	**1246.4615**	**831.3101**
351.1775	176.0924	117.7307	4	H	19	2420.8786	1210.9430	**807.6311**
479.2361	240.1217	160.4169	5	Q	18	2283.8197	**1142.4135**	**761.9448**
607.2947	304.1510	203.1031	6	Q	17	2155.7612	1078.3842	719.2586
721.3376	361.1724	241.1174	7	N	16	2027.7026	**1014.3549**	**676.5724**
884.4009	442.7041	295.4718	8	Y	15	1913.6596	**957.3335**	638.5581
1031.4694	**516.2383**	344.4946	9	F	14	1750.5963	875.8018	584.2036
1145.5123	**573.2598**	382.5089	10	N	13	1603.5279	**802.2676**	535.1808
1260.5392	**630.7733**	420.8513	11	D	12	**1489.4850**	**745.2461**	497.1665
1427.5376	714.2724	476.5174	12	S[167]	11	**1374.4580**	**687.7327**	458.8242
1542.5645	**771.7859**	514.8597	13	D	10	1207.4597	604.2335	403.1581
1657.5915	**829.2994**	553.2020	14	D	9	**1092.4327**	546.7200	364.8158
1786.6341	893.8207	596.2162	15	E	8	**977.4058**	**489.2065**	326.4735
1901.6610	**951.3341**	634.5585	16	D	7	**848.3632**	424.6852	283.4593
2016.6879	**1008.8476**	672.9008	17	D	6	**733.3363**	367.1718	245.1169
2145.7305	**1073.3689**	715.9150	18	E	5	**618.3093**	309.6583	206.7746
2260.7575	**1130.8824**	**754.2573**	19	D	4	**489.2667**	245.1370	163.7604
2374.8004	**1187.9038**	**792.2717**	20	N	3	374.2398	187.6235	125.4181
2487.8845	**1244.4459**	**829.9663**	21	I	2	260.1969	130.6021	87.4038
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.AADQADESS$_{167}$PLLS$_{167}$PSNS$_{167}$NHPS$_{167}$EHPQQDLNNK.S/3

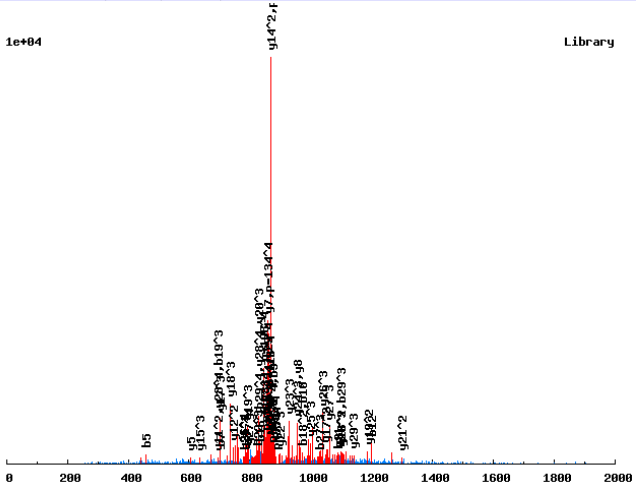


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	31			
143.0815	72.0444	48.3654	2	A	30	3576.3390	1788.6732	**1192.7845**
258.1084	129.5579	86.7077	3	D	29	3505.3019	1753.1546	**1169.1055**
386.1670	193.5871	129.3939	4	Q	28	3390.2750	**1695.6411**	1130.7632
457.2041	229.1057	153.0729	5	A	27	3262.2164	**1631.6118**	**1088.0770**
572.2311	286.6192	191.4152	6	D	26	3191.1793	**1596.0933**	1064.3979
701.2737	351.1405	234.4294	7	E	25	3076.1523	**1538.5798**	1026.0556
788.3057	394.6565	263.4401	8	S	24	2947.1098	**1474.0585**	983.0414
955.3041	478.1557	319.1062	9	S[167]	23	2860.0777	**1430.5425**	954.0308
1052.3568	526.6820	351.4571	10	P	22	2693.0794	**1347.0433**	898.3646
1165.4409	583.2241	389.1518	11	L	21	2596.0266	**1298.5169**	866.0137
1278.5249	639.7661	426.8465	12	L	20	2482.9425	**1241.9749**	828.3190
1445.5233	723.2653	482.5126	13	S[167]	19	2369.8585	**1185.4329**	790.6243
1542.5761	771.7917	514.8635	14	P	18	2202.8601	**1101.9337**	734.9582
1629.6081	815.3077	543.8742	15	S	17	2105.8074	**1053.4073**	702.6073
1743.6510	872.3291	581.8885	16	N	16	2018.7753	**1009.8913**	673.5966
1910.6494	**955.8283**	637.5546	17	S[167]	15	1904.7324	**952.8698**	635.5823
2024.6923	**1012.8498**	675.5690	18	N	14	1737.7340	**869.3707**	579.9162
2161.7512	1081.3792	721.2553	19	H	13	1623.6911	812.3492	541.9019
2258.8040	1129.9056	753.6062	20	P	12	1486.6322	743.8197	496.2156
2425.8023	1213.4048	809.2723	21	S[167]	11	1389.5794	**695.2934**	463.8647
2554.8449	**1277.9261**	852.2865	22	E	10	1222.5811	611.7942	408.1985
2691.9038	**1346.4556**	897.9728	23	H	9	**1093.5385**	547.2729	365.1843
2788.9566	1394.9819	930.3237	24	P	8	**956.4796**	478.7434	319.4980
2917.0152	1459.0112	973.0099	25	Q	7	859.4268	430.2171	287.1471
3045.0738	**1523.0405**	1015.6961	26	Q	6	731.3682	366.1878	244.4609
3160.1007	**1580.5540**	**1054.0384**	27	D	5	603.3097	302.1585	201.7747
3273.1848	**1637.0960**	1091.7331	28	L	4	**488.2827**	244.6450	163.4324
3387.2277	1694.1175	1129.7474	29	N	3	375.1987	188.1030	125.7377
3501.2706	1751.1389	**1167.7617**	30	N	2	261.1557	131.0815	87.7234
			31	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.AADQADESSPLLS$_{167}$PSNS$_{167}$NHPS$_{167}$EHPQQDLNNK.S/4

0.934

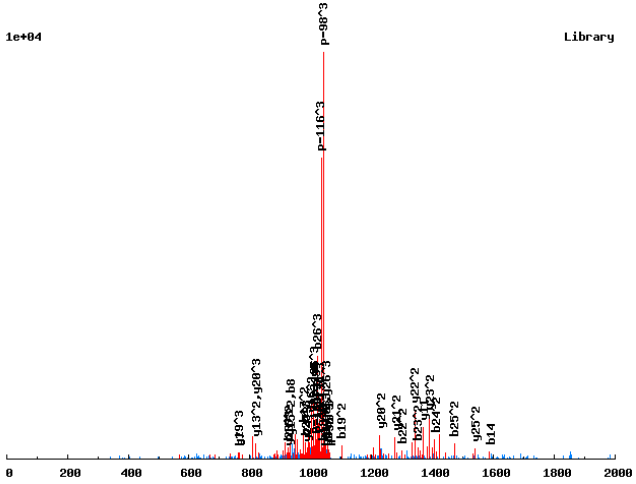


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
72.0444	36.5258	24.6863	18.7666	1	A	31				
143.0815	72.0444	48.3654	36.5258	2	A	30	3496.3727	1748.6900	1166.1291	**874.8486**
258.1084	129.5579	86.7077	65.2826	3	D	29	3425.3356	1713.1714	**1142.4500**	**857.0894**
386.1670	193.5871	129.3939	97.2972	4	Q	28	3310.3086	1655.6580	**1104.1077**	**828.3326**
457.2041	229.1057	153.0729	115.0565	5	A	27	3182.2501	1591.6287	**1061.4215**	**796.3180**
572.2311	286.6192	191.4152	143.8132	6	D	26	3111.2130	1556.1101	**1037.7425**	**778.5587**
701.2737	351.1405	234.4294	176.0739	7	E	25	2996.1860	1498.5966	**999.4002**	749.8020
788.3057	394.6565	263.4401	197.8319	8	S	24	2867.1434	1434.0754	**956.3860**	717.5413
875.3377	438.1725	292.4508	219.5899	9	S	23	2780.1114	1390.5593	**927.3753**	**695.7833**
972.3905	486.6989	324.8017	243.8531	10	P	22	2693.0794	1347.0433	**898.3646**	674.0253
1085.4745	543.2409	362.4964	272.1241	11	L	21	2596.0266	**1298.5169**	**866.0137**	649.7621
1198.5586	599.7829	400.1911	300.3951	12	L	20	2482.9425	1241.9749	**828.3190**	621.4911
1365.5570	683.2821	455.8572	342.1447	13	S[167]	19	2369.8585	**1185.4329**	**790.6243**	593.2201
1462.6097	731.8085	488.2081	366.4079	14	P	18	2202.8601	**1101.9337**	**734.9582**	551.4705
1549.6418	775.3245	517.2188	388.1659	15	S	17	2105.8074	**1053.4073**	**702.6073**	527.2073
1663.6847	**832.3460**	555.2331	416.6766	16	N	16	2018.7753	1009.8913	673.5966	505.4493
1830.6830	915.8452	610.8992	458.4262	17	S[167]	15	1904.7324	952.8698	**635.5823**	476.9386
1944.7260	**972.8666**	648.9135	486.9370	18	N	14	1737.7340	**869.3707**	579.9162	435.1890
2081.7849	1041.3961	**694.5998**	521.2017	19	H	13	1623.6911	812.3492	541.9019	406.6782
2178.8376	1089.9225	726.9507	545.4649	20	P	12	1486.6322	**743.8197**	496.2156	372.4135
2345.8360	1173.4216	**782.6169**	587.2145	21	S[167]	11	1389.5794	**695.2934**	463.8647	348.1503
2474.8786	1237.9429	**825.6311**	619.4751	22	E	10	1222.5811	611.7942	408.1985	306.4007
2611.9375	1306.4724	**871.3174**	653.7398	23	H	9	**1093.5385**	547.2729	365.1843	274.1401
2708.9903	1354.9988	903.6683	678.0030	24	P	8	**956.4796**	478.7434	319.4980	239.8754
2837.0488	1419.0281	946.3545	710.0177	25	Q	7	**859.4268**	430.2171	287.1471	215.6122
2965.1074	1483.0574	989.0407	742.0323	26	Q	6	731.3682	366.1878	244.4609	183.5975
3080.1344	1540.5708	**1027.3830**	770.7891	27	D	5	**603.3097**	302.1585	201.7747	151.5829
3193.2184	1597.1129	1065.0777	799.0601	28	L	4	488.2827	244.6450	163.4324	122.8261
3307.2614	1654.1343	**1103.0920**	**827.5708**	29	N	3	375.1987	188.1030	125.7377	94.5551
3421.3043	1711.1558	1141.1063	**856.0815**	30	N	2	261.1557	131.0815	87.7234	66.0444
				31	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.AADT$_{181}$PETS$_{167}$DAVHTEQK$_{136}$PEEEK$_{136}$ETLQEE.-/3

0.9832

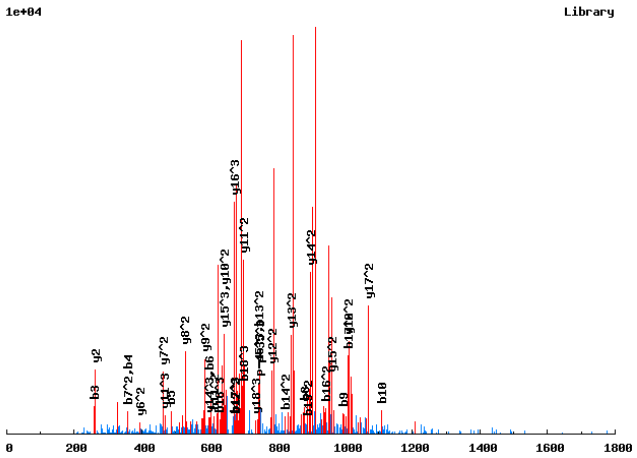


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	27			
143.0815	72.0444	48.3654	2	A	26	3146.2944	1573.6509	**1049.4363**
258.1084	129.5579	86.7077	3	D	25	3075.2573	**1538.1323**	**1025.7573**
439.1225	220.0649	147.0457	4	T[181]	24	2960.2304	1480.6188	**987.4150**
536.1752	268.5912	179.3966	5	P	23	2779.2164	**1390.1118**	**927.0770**
665.2178	333.1125	222.4108	6	E	22	2682.1636	**1341.5855**	894.7261
766.2655	383.6364	256.0933	7	T	21	2553.1210	**1277.0642**	851.7119
933.2638	467.1356	311.7595	8	S[167]	20	2452.0734	**1226.5403**	**818.0293**
1048.2908	524.6490	350.1018	9	D	19	2285.0750	1143.0411	**762.3632**
1119.3279	560.1676	373.7808	10	A	18	2170.0481	1085.5277	724.0209
1218.3963	609.7018	406.8036	11	V	17	2099.0109	**1050.0091**	700.3418
1355.4552	678.2312	452.4899	12	H	16	1999.9425	**1000.4749**	667.3190
1456.5029	728.7551	486.1725	13	T	15	1862.8836	**931.9455**	621.6327
1585.5455	793.2764	529.1867	14	E	14	1761.8359	881.4216	587.9502
1713.6041	857.3057	571.8729	15	Q	13	1632.7934	**816.9003**	544.9360
1849.7132	**925.3603**	617.2426	16	K[136]	12	1504.7348	752.8710	502.2498
1946.7660	**973.8866**	649.5935	17	P	11	**1368.6256**	684.8164	456.8801
2075.8086	**1038.4079**	692.6077	18	E	10	1271.5729	636.2901	424.5291
2204.8512	**1102.9292**	735.6219	19	E	9	1142.5303	571.7688	381.5149
2333.8938	1167.4505	778.6361	20	E	8	**1013.4877**	507.2475	338.5007
2470.0029	1235.5051	824.0058	21	K[136]	7	884.4451	442.7262	295.4865
2599.0455	**1300.0264**	867.0200	22	E	6	748.3359	374.6716	250.1168
2700.0932	**1350.5502**	900.7026	23	T	5	619.2933	310.1503	207.1026
2813.1772	**1407.0923**	938.3973	24	L	4	518.2457	259.6265	173.4201
2941.2358	**1471.1215**	**981.0835**	25	Q	3	405.1616	203.0844	135.7254
3070.2784	1535.6428	**1024.0977**	26	E	2	277.1030	139.0551	93.0392
			27	E	1	148.0604	74.5339	50.0250

Annotated spectra from Saleem et. al. 2009

R.AADVENLS$_{167}$DDDEHRQNESR.V/3

0.9756

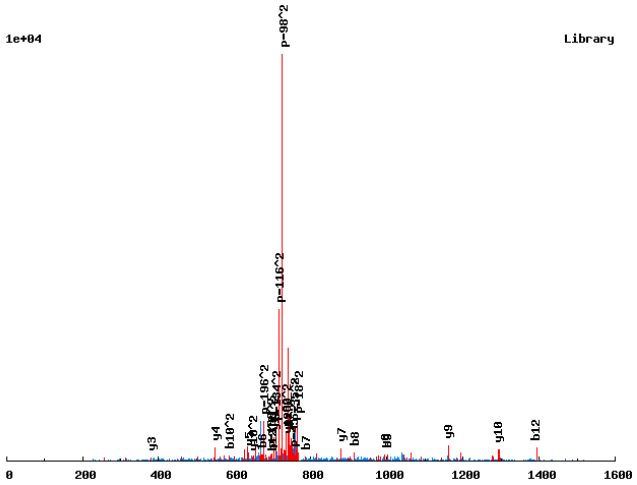


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
143.0815	72.0444	48.3654	2	A	18	2208.8789	1104.9431	**736.9645**
258.1084	129.5579	86.7077	3	D	17	2137.8418	**1069.4245**	713.2855
357.1769	179.0921	119.7305	4	V	16	2022.8149	**1011.9111**	**674.9431**
486.2194	243.6134	162.7447	5	E	15	1923.7465	**962.3769**	**641.9203**
600.2624	300.6348	200.7590	6	N	14	1794.7039	**897.8556**	**598.9061**
713.3464	**357.1769**	238.4537	7	L	13	1680.6609	**840.8341**	560.8918
880.3448	440.6760	294.1198	8	S[167]	12	1567.5769	**784.2921**	523.1971
995.3717	498.1895	332.4621	9	D	11	1400.5785	**700.7929**	**467.5310**
1110.3987	555.7030	370.8044	10	D	10	1285.5516	**643.2794**	429.1887
1225.4256	**613.2164**	409.1467	11	D	9	1170.5246	**585.7660**	390.8464
1354.4682	**677.7377**	452.1609	12	E	8	1055.4977	**528.2525**	352.5041
1491.5271	**746.2672**	497.8472	13	H	7	926.4551	**463.7312**	309.4899
1647.6282	**824.3178**	549.8809	14	R	6	789.3962	**395.2017**	263.8036
1775.6868	**888.3470**	592.5671	15	Q	5	633.2951	317.1512	211.7699
1889.7297	**945.3685**	**630.5814**	16	N	4	505.2365	253.1219	169.0837
2018.7723	**1009.8898**	**673.5956**	17	E	3	391.1936	196.1004	131.0694
2105.8044	1053.4058	**702.6063**	18	S	2	**262.1510**	131.5791	88.0552
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.AANMS$_{167}$DDESS$_{167}$LIK$_{136}$.N/2

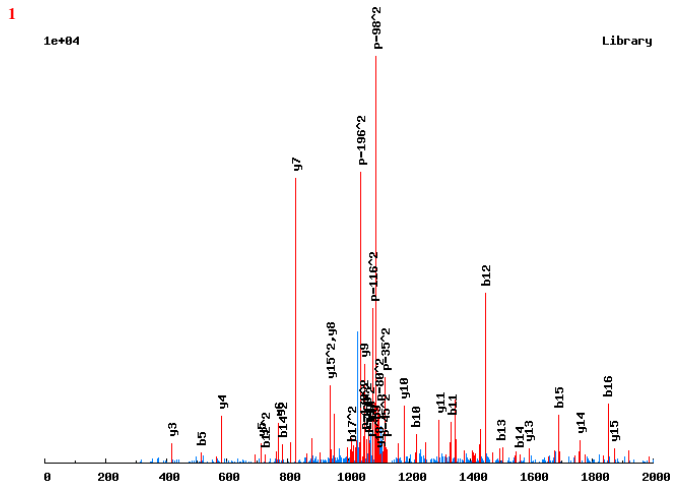
0.9841



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	13		
143.0815	72.0444	2	A	12	1477.5409	**739.2741**
257.1244	129.0659	3	N	11	1406.5038	**703.7555**
388.1649	194.5861	4	M	10	**1292.4608**	**646.7341**
555.1633	278.0853	5	S[167]	9	**1161.4203**	581.2138
670.1902	335.5988	6	D	8	**994.4220**	497.7146
785.2172	393.1122	7	D	7	**879.3950**	440.2012
914.2598	457.6335	8	E	6	764.3681	382.6877
1001.2918	501.1495	9	S	5	**635.3255**	318.1664
1168.2901	**584.6487**	10	S[167]	4	**548.2935**	274.6504
1281.3742	641.1907	11	L	3	**381.2951**	191.1512
1394.4583	**697.7328**	12	I	2	268.2111	134.6092
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.AAQQDS$_{167}$S$_{167}$EDENIGGEYYTK$_{136}$.L/2

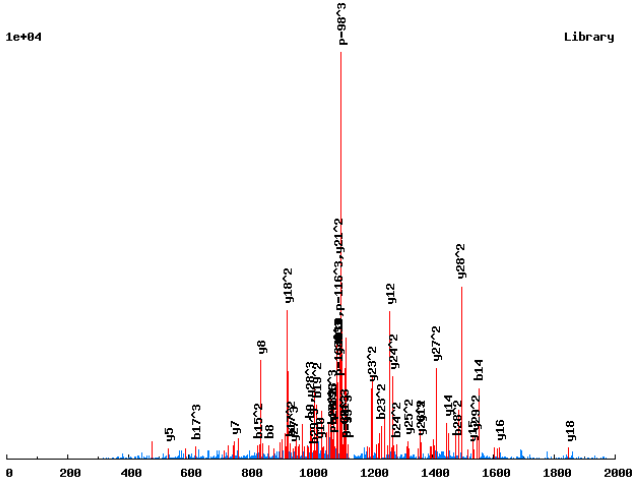


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	19		
143.0815	72.0444	2	A	18	2201.8039	1101.4056
271.1401	136.0737	3	Q	17	2130.7668	1065.8870
399.1987	200.1030	4	Q	16	2002.7082	1001.8577
514.2256	257.6164	5	D	15	1874.6496	937.8285
681.2240	341.1156	6	S[167]	14	1759.6227	880.3150
848.2223	424.6148	7	S[167]	13	1592.6243	796.8158
977.2649	489.1361	8	E	12	1425.6260	713.3166
1092.2919	546.6496	9	D	11	1296.5834	648.7953
1221.3344	611.1709	10	E	10	1181.5564	591.2819
1335.3774	668.1923	11	N	9	1052.5138	526.7606
1448.4614	724.7344	12	I	8	938.4709	469.7391
1505.4829	753.2451	13	G	7	825.3868	413.1971
1562.5044	781.7558	14	G	6	768.3654	384.6863
1691.5469	846.2771	15	E	5	711.3439	356.1756
1854.6103	927.8088	16	Y	4	582.3013	291.6543
2017.6736	1009.3404	17	Y	3	419.2380	210.1226
2118.7213	1059.8643	18	T	2	256.1747	128.5910
		19	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.AAS$_{167}$VS$_{167}$PSTK$_{136}$PLNTEPESSSVQPTVSSESSTTK$_{136}$-A/3

1

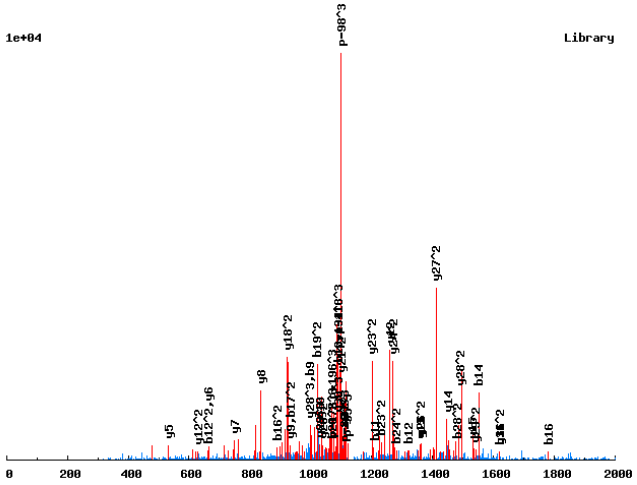


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	32			
143.0815	72.0444	48.3654	2	A	31	3325.4942	1663.2508	**1109.1696**
310.0799	155.5436	104.0315	3	S[167]	30	3254.4571	1627.7322	**1085.4906**
409.1483	205.0778	137.0543	4	V	29	3087.4588	**1544.2330**	1029.8244
576.1466	288.5770	192.7204	5	S[167]	28	2988.3904	**1494.6988**	**996.8016**
673.1994	337.1033	225.0713	6	P	27	2821.3920	**1411.1996**	**941.1355**
760.2314	380.6194	254.0820	7	S	26	2724.3392	**1362.6733**	908.7846
861.2791	431.1432	287.7646	8	T	25	2637.3072	**1319.1572**	879.7739
997.3883	499.1978	333.1343	9	K[136]	24	2536.2595	**1268.6334**	846.0914
1094.4410	547.7242	365.4852	10	P	23	2400.1504	**1200.5788**	800.7216
1207.5251	604.2662	403.1799	11	L	22	2303.0976	1152.0524	768.3707
1321.5680	661.2876	441.1942	12	N	21	2190.0135	**1095.5104**	730.6760
1422.6157	711.8115	474.8768	13	T	20	2075.9706	1038.4889	692.6617
1551.6583	776.3328	517.8909	14	E	19	1974.9229	987.9651	658.9792
1648.7110	**824.8592**	550.2419	15	P	18	**1845.8803**	**923.4438**	615.9650
1777.7536	889.3805	593.2561	16	E	17	1748.8276	874.9174	583.6140
1864.7857	**932.8965**	**622.2667**	17	S	16	**1619.7850**	810.3961	540.5999
1951.8177	976.4125	651.2774	18	S	15	**1532.7530**	766.8801	511.5892
2038.8497	**1019.9285**	680.2881	19	S	14	**1445.7209**	723.3641	482.5785
2137.9181	**1069.4627**	713.3109	20	V	13	**1358.6889**	679.8481	453.5678
2265.9767	1133.4920	755.9971	21	Q	12	**1259.6205**	630.3139	420.5450
2363.0295	1182.0184	788.3480	22	P	11	1131.5619	566.2846	377.8588
2464.0772	**1232.5422**	822.0306	23	T	10	**1034.5092**	517.7582	345.5079
2563.1456	**1282.0764**	855.0534	24	V	9	933.4615	467.2344	311.8253
2650.1776	1325.5924	884.0641	25	S	8	**834.3931**	417.7002	278.8025
2737.2096	1369.1085	913.0747	26	S	7	**747.3610**	374.1842	249.7919
2866.2522	1433.6297	956.0889	27	E	6	660.3290	330.6681	220.7812
2953.2842	**1477.1458**	985.0996	28	S	5	**531.2864**	266.1468	177.7670
3040.3163	1520.6618	**1014.1103**	29	S	4	444.2544	222.6308	148.7563
3141.3640	1571.1856	1047.7928	30	T	3	357.2224	179.1148	119.7456
3242.4116	1621.7095	1081.4754	31	T	2	256.1747	128.5910	86.0631
			32	K[136]	1	155.1270	78.0671	52.3805

1

b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	32			
143.0815	72.0444	48.3654	2	A	31	3325.4942	1663.2508	**1109.1696**
310.0799	155.5436	104.0315	3	S[167]	30	3254.4571	1627.7322	**1085.4906**
409.1483	205.0778	137.0543	4	V	29	3087.4588	**1544.2330**	**1029.8244**
576.1466	288.5770	192.7204	5	S[167]	28	2988.3904	**1494.6988**	**996.8016**
673.1994	337.1033	225.0713	6	P	27	2821.3920	**1411.1996**	941.1355
760.2314	380.6194	254.0820	7	S	26	2724.3392	**1362.6733**	908.7846
861.2791	431.1432	287.7646	8	T	25	2637.3072	1319.1572	879.7739
997.3883	499.1978	333.1343	9	K[136]	24	2536.2595	**1268.6334**	846.0914
1094.4410	547.7242	365.4852	10	P	23	2400.1504	**1200.5788**	800.7216
1207.5251	604.2662	403.1799	11	L	22	2303.0976	1152.0524	768.3707
1321.5680	**661.2876**	441.1942	12	N	21	2190.0135	**1095.5104**	730.6760
1422.6157	711.8115	474.8768	13	T	20	2075.9706	**1038.4889**	692.6617
1551.6583	776.3328	517.8909	14	E	19	1974.9229	987.9651	658.9792
1648.7110	824.8592	550.2419	15	P	18	1845.8803	**923.4438**	615.9650
1777.7536	**889.3805**	593.2561	16	E	17	1748.8276	874.9174	583.6140
1864.7857	**932.8965**	622.2667	17	S	16	**1619.7850**	810.3961	540.5999
1951.8177	976.4125	651.2774	18	S	15	**1532.7530**	766.8801	511.5892
2038.8497	**1019.9285**	680.2881	19	S	14	**1445.7209**	723.3641	482.5785

Annotated spectra from Saleem et. al. 2009



2137.9181	**1069.4627**	713.3109	**20**	**V**	**13**	**1358.6889**	679.8481	453.5678
2265.9767	1133.4920	755.9971	**21**	**Q**	**12**	**1259.6205**	**630.3139**	420.5450
2363.0295	1182.0184	788.3480	**22**	**P**	**11**	1131.5619	566.2846	377.8588
2464.0772	**1232.5422**	822.0306	**23**	**T**	**10**	**1034.5092**	517.7582	345.5079
2563.1456	**1282.0764**	855.0534	**24**	**V**	**9**	**933.4615**	467.2344	311.8253
2650.1776	1325.5924	884.0641	**25**	**S**	**8**	**834.3931**	417.7002	278.8025
2737.2096	1369.1085	913.0747	**26**	**S**	**7**	**747.3610**	374.1842	249.7919
2866.2522	1433.6297	956.0889	**27**	**E**	**6**	**660.3290**	330.6681	220.7812
2953.2842	**1477.1458**	985.0996	**28**	**S**	**5**	**531.2864**	266.1468	177.7670
3040.3163	1520.6618	1014.1103	**29**	**S**	**4**	444.2544	222.6308	148.7563
3141.3640	1571.1856	1047.7928	**30**	**T**	**3**	357.2224	179.1148	119.7456
3242.4116	**1621.7095**	1081.4754	**31**	**T**	**2**	256.1747	128.5910	86.0631
			32	**K[136]**	**1**	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

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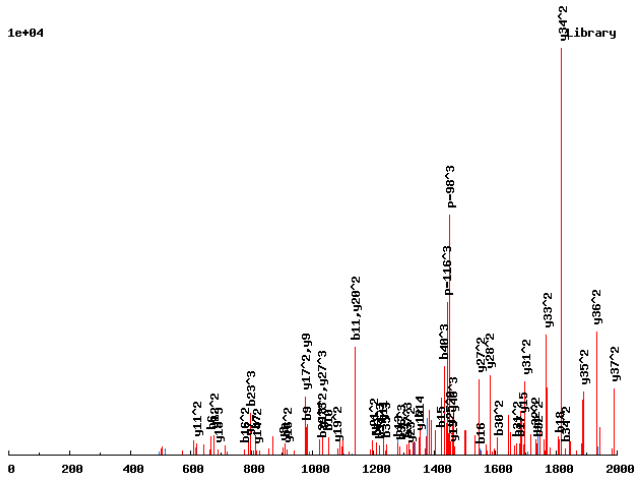
0.9987

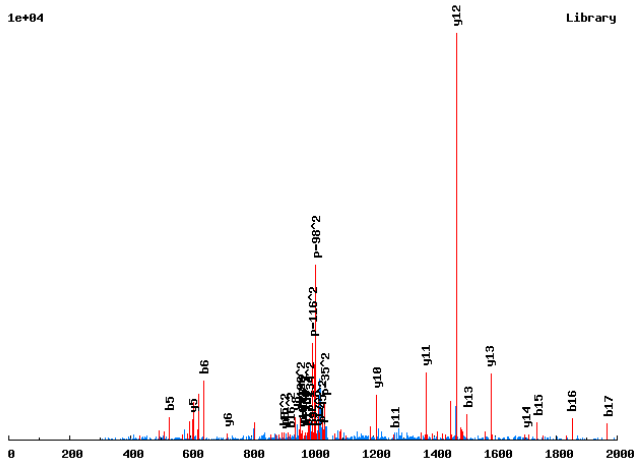


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	41			
187.0713	94.0393	63.0286	2	D	40	4372.7459	2186.8766	**1458.2535**
316.1139	158.5606	106.0428	3	E	39	4257.7190	2129.3631	1419.9112
463.1823	232.0948	155.0656	4	F	38	4128.6764	2064.8418	1376.8970
578.2093	289.6083	193.4079	5	D	37	3981.6080	**1991.3076**	1327.8742
665.2413	333.1243	222.4186	6	S	36	3866.5810	**1933.7942**	1289.5319
812.3097	406.6585	271.4414	7	F	35	3779.5490	**1890.2781**	1260.5212
909.3625	455.1849	303.7923	8	P	34	3632.4806	**1816.7439**	1211.4984
980.3996	490.7034	327.4714	9	A	33	3535.4278	**1768.2176**	1179.1475
1051.4367	526.2220	351.1504	10	A	32	3464.3907	**1732.6990**	1155.4684
1138.4687	569.7380	380.1611	11	S	31	3393.3536	**1697.1805**	1131.7894
1209.5058	605.2566	403.8401	12	A	30	3306.3216	1653.6644	1102.7787
1280.5429	640.7751	427.5192	13	A	29	3235.2845	1618.1459	1079.0997
1351.5801	676.2937	451.1982	14	A	28	3164.2474	**1582.6273**	1055.4206
1422.6172	711.8122	474.8772	15	A	27	3093.2103	**1547.1088**	**1031.7416**
1551.6598	**776.3335**	517.8914	16	E	26	3022.1732	1511.5902	1008.0626
1680.7023	840.8548	560.9056	17	E	25	2893.1306	**1447.0689**	965.0484
1809.7449	905.3761	603.9198	18	E	24	2764.0880	1382.5476	922.0342
1938.7875	969.8974	646.9340	19	E	23	2635.0454	**1318.0263**	879.0200
2053.8145	1027.4109	685.2763	20	D	22	2506.0028	1253.5050	836.0058
2168.8414	1084.9243	723.6187	21	D	21	2390.9759	**1195.9916**	797.6635
2283.8683	1142.4378	761.9610	22	D	20	2275.9489	**1138.4781**	759.3212
2382.9368	1191.9720	**794.9838**	23	V	19	2160.9220	**1080.9646**	720.9788
2497.9637	1249.4855	833.3261	24	D	18	2061.8536	**1031.4304**	**687.9560**
2611.0478	1306.0275	871.0208	25	L	17	1946.8266	**973.9170**	649.6137
2758.1162	1379.5617	920.0436	26	F	16	1833.7426	**917.3749**	611.9190
2815.1376	1408.0725	939.0507	27	G	15	**1686.6742**	843.8407	562.8962
2982.1360	1491.5716	994.7168	28	S[167]	14	1629.6527	**815.3300**	543.8891
3097.1629	1549.0851	**1033.0592**	29	D	13	**1462.6543**	731.8308	488.2230
3212.1899	**1606.5986**	1071.4015	30	D	12	**1347.6274**	**674.3173**	449.8806
3341.2325	**1671.1199**	1114.4157	31	E	11	**1232.6004**	**616.8039**	411.5383
3470.2750	**1735.6412**	1157.4299	32	E	10	1103.5579	552.2826	368.5241
3541.3122	1771.1597	1181.1089	33	A	9	**974.5153**	487.7613	325.5099
3656.3391	**1828.6732**	**1219.4512**	34	D	8	**903.4782**	452.2427	301.8309
3727.3762	1864.1917	**1243.1303**	35	A	7	**788.4512**	394.7293	263.4886
3856.4188	1928.7130	**1286.1445**	36	E	6	717.4141	359.2107	239.8096
3927.4559	1964.2316	**1309.8235**	37	A	5	588.3715	294.6894	196.7954
4056.4985	2028.7529	1352.8377	38	E	4	517.3344	259.1708	173.1163
4184.5935	2092.8004	1395.5360	39	K	3	388.2918	194.6495	130.1021
4297.6775	2149.3424	**1433.2307**	40	L	2	260.1969	130.6021	87.4038
			41	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ADNNLLPS$_{167}$PS$_{167}$PQLTEDIK.C/2

0.9968

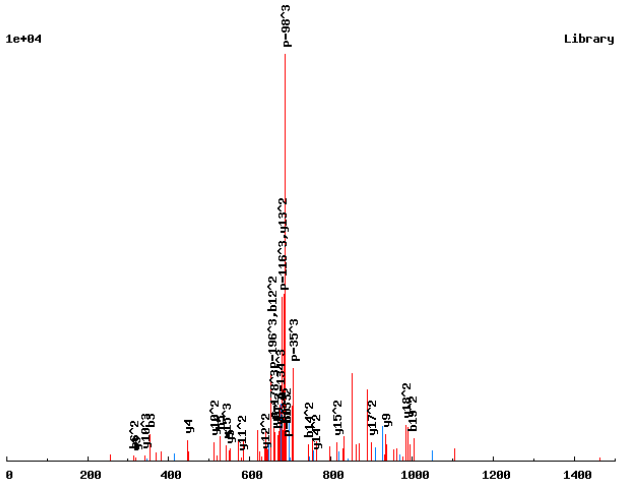


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	18		
187.0713	94.0393	2	D	17	2040.8926	**1020.9500**
301.1143	151.0608	3	N	16	1925.8657	**963.4365**
415.1572	208.0822	4	N	15	1811.8228	**906.4150**
528.2413	264.6243	5	L	14	**1697.7798**	849.3936
641.3253	321.1663	6	L	13	**1584.6958**	792.8515
738.3781	369.6927	7	P	12	**1471.6117**	736.3095
905.3764	453.1919	8	S[167]	11	**1374.5590**	687.7831
1002.4292	501.7182	9	P	10	**1207.5606**	604.2839
1169.4276	585.2174	10	S[167]	9	1110.5078	555.7576
1266.4803	633.7438	11	P	8	**943.5095**	472.2584
1394.5389	697.7731	12	Q	7	846.4567	423.7320
1507.6230	754.3151	13	L	6	**718.3981**	359.7027
1608.6706	804.8390	14	T	5	**605.3141**	303.1607
1737.7132	869.3603	15	E	4	504.2664	252.6368
1852.7402	**926.8737**	16	D	3	375.2238	188.1155
1965.8242	**983.4158**	17	I	2	260.1969	130.6021
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ADS$_{167}$GDTS$_{167}$SIHSSANNTKGDK.I/3

0.6655

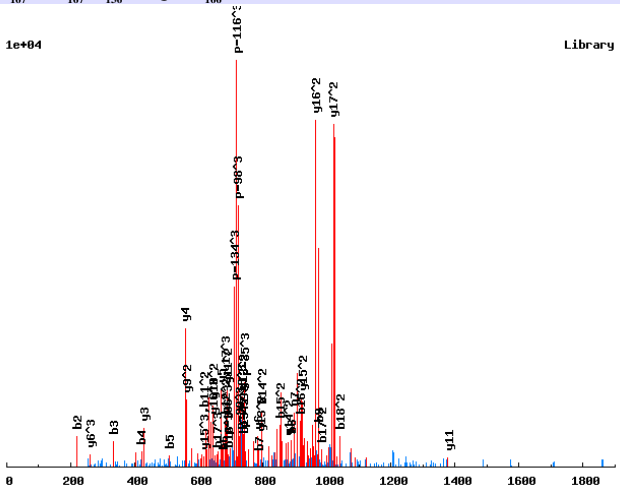


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	20			
187.0713	94.0393	63.0286	2	D	19	2080.7856	1040.8964	694.2667
354.0697	177.5385	118.6948	3	S[167]	18	1965.7587	**983.3830**	655.9244
411.0912	206.0492	137.7019	4	G	17	1798.7603	**899.8838**	600.2583
526.1181	263.5627	176.0442	5	D	16	1741.7389	871.3731	581.2511
627.1658	**314.0865**	209.7268	6	T	15	1626.7119	**813.8596**	**542.9088**
794.1641	397.5857	265.3929	7	S[167]	14	1525.6642	**763.3358**	509.2263
881.1962	441.1017	294.4036	8	S	13	1358.6659	**679.8366**	453.5601
994.2802	497.6438	332.0983	9	I	12	1271.6338	**636.3206**	424.5495
1131.3391	566.1732	377.7846	10	H	11	1158.5498	**579.7785**	386.8548
1218.3712	609.6892	406.7952	11	S	10	1021.4909	**511.2491**	**341.1685**
1305.4032	**653.2052**	435.8059	12	S	9	**934.4588**	467.7331	312.1578
1376.4403	**688.7238**	459.4850	13	A	8	847.4268	424.2170	283.1471
1490.4832	**745.7453**	497.4993	14	N	7	776.3897	388.6985	259.4681
1604.5262	802.7667	535.5136	15	N	6	**662.3468**	331.6770	221.4538
1705.5738	853.2906	569.1961	16	T	5	**548.3038**	274.6556	183.4395
1833.6688	917.3380	611.8945	17	K	4	**447.2562**	224.1317	149.7569
1890.6903	945.8488	630.9016	18	G	3	**319.1612**	160.0842	107.0586
2005.7172	**1003.3622**	**669.2439**	19	D	2	262.1397	131.5735	88.0514
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.AFDSSS$_{167}$NVSS$_{167}$SK$_{136}$DLLQMLR$_{166}$.N/3

0.9601

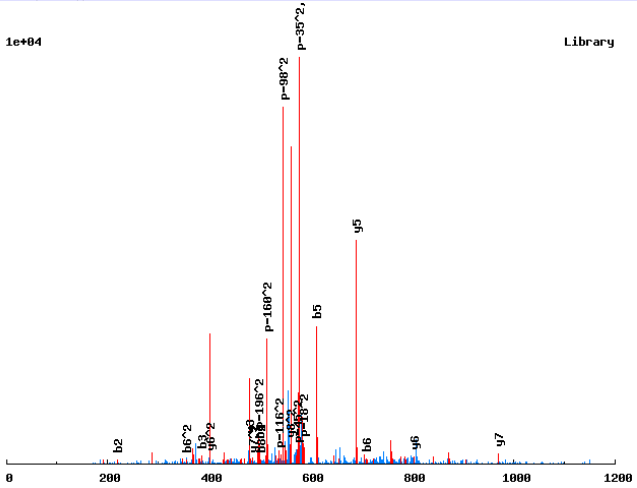


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
219.1128	110.0600	73.7091	2	F	18	2191.9461	1096.4767	**731.3202**
334.1397	167.5735	112.0514	3	D	17	2044.8777	**1022.9425**	**682.2974**
421.1718	211.0895	141.0621	4	S	16	1929.8507	**965.4290**	**643.9551**
508.2038	254.6055	170.0728	5	S	15	1842.8187	**921.9130**	**614.9444**
675.2022	338.1047	225.7389	6	S[167]	14	1755.7867	**878.3970**	585.9338
789.2451	395.1262	263.7532	7	N	13	1588.7883	**794.8978**	530.2676
888.3135	444.6604	296.7760	8	V	12	1474.7454	**737.8763**	492.2533
975.3455	488.1764	325.7867	9	S	11	**1375.6770**	**688.3421**	459.2305
1142.3439	571.6756	381.4528	10	S[167]	10	1288.6450	**644.8261**	430.2198
1229.3759	**615.1916**	410.4635	11	S	9	1121.6466	**561.3269**	374.5537
1365.4851	**683.2462**	455.8332	12	K[136]	8	1034.6146	517.8109	345.5430
1480.5120	**740.7597**	494.1755	13	D	7	**898.5054**	449.7563	300.1733
1593.5961	**797.3017**	531.8702	14	L	6	**783.4785**	392.2429	**261.8310**
1706.6801	**853.8437**	569.5649	15	L	5	**670.3944**	335.7008	224.1363
1834.7387	**917.8730**	612.2511	16	Q	4	**557.3103**	279.1588	186.4416
1965.7792	**983.3932**	**655.9313**	17	M	3	**429.2518**	215.1295	143.7554
2078.8633	**1039.9353**	**693.6259**	18	L	2	298.2113	149.6093	100.0753
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.AFS$_{167}$IIPS$_{167}$QR$_{166}$.F/2

0.8312

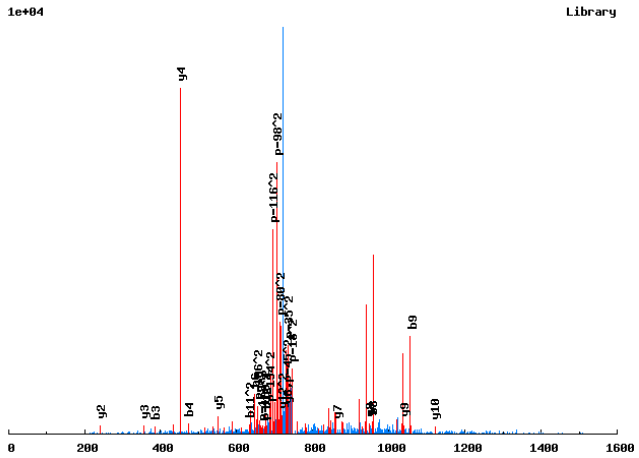


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	9		
219.1128	110.0600	2	F	8	1117.4718	**559.2395**
386.1112	193.5592	3	S[167]	7	**970.4034**	**485.7053**
499.1952	250.1013	4	I	6	**803.4050**	**402.2062**
612.2793	306.6433	5	I	5	**690.3210**	345.6641
709.3320	**355.1697**	6	P	4	**577.2369**	289.1221
876.3304	438.6688	7	S[167]	3	**480.1842**	240.5957
1004.3890	**502.6981**	8	Q	2	313.1858	157.0965
		9	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.AFS$_{167}$SSSET$_{181}$VPLSK$_{136}$.E/2

0.9495

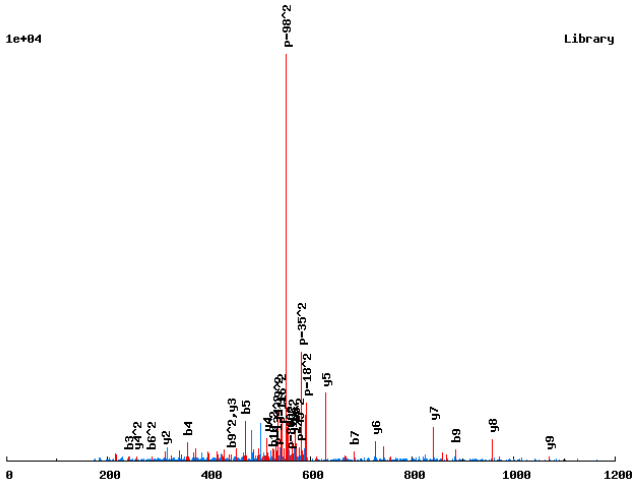


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	13		
219.1128	110.0600	2	F	12	1436.5837	**718.7955**
386.1112	193.5592	3	S[167]	11	1289.5153	645.2613
473.1432	237.0752	4	S	10	**1122.5169**	561.7621
560.1752	280.5913	5	S	9	**1035.4849**	518.2461
647.2073	324.1073	6	S	8	**948.4529**	474.7301
776.2498	388.6286	7	E	7	**861.4209**	431.2141
957.2639	479.1356	8	T[181]	6	**732.3783**	366.6928
1056.3323	528.6698	9	V	5	**551.3643**	276.1858
1153.3850	577.1962	10	P	4	**452.2958**	226.6516
1266.4691	**633.7382**	11	L	3	**355.2431**	178.1252
1353.5011	**677.2542**	12	S	2	**242.1590**	121.5832
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.AGLDNVDAES$_{167}$K.E/2

0.994

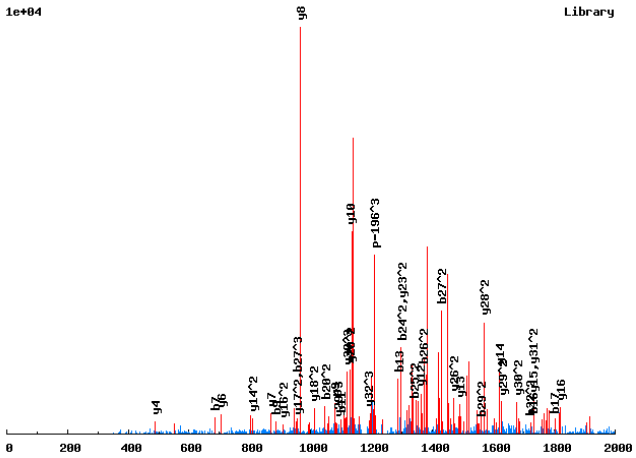


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	11		
129.0659	65.0366	2	G	10	1127.4616	**564.2344**
242.1499	121.5786	3	L	9	**1070.4401**	**535.7237**
357.1769	179.0921	4	D	8	**957.3561**	479.1817
471.2198	236.1135	5	N	7	**842.3291**	421.6682
570.2882	**285.6477**	6	V	6	**728.2862**	364.6467
685.3151	343.1612	7	D	5	**629.2178**	315.1125
756.3522	378.6798	8	A	4	**514.1909**	**257.5991**
885.3948	**443.2011**	9	E	3	**443.1538**	222.0805
1052.3932	**526.7002**	10	S[167]	2	**314.1112**	157.5592
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.AGLDNVDAESKEGT$_{181}$PS$_{167}$ANSSIQQEVGLPYSELLSR.F/3

0.9995

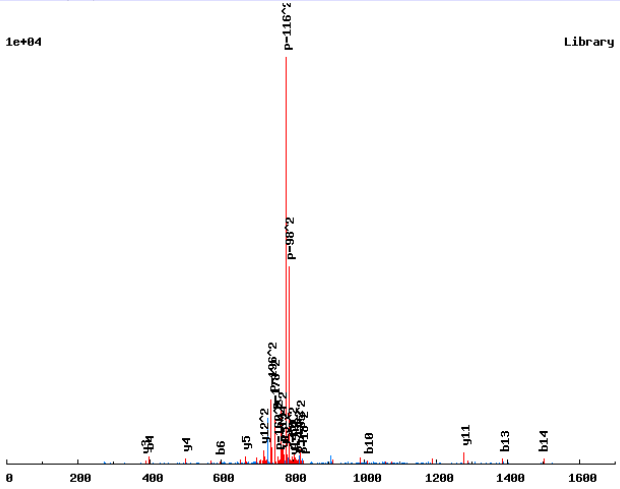


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	35			
129.0659	65.0366	43.6935	2	G	34	3750.6783	1875.8428	1250.8976
242.1499	121.5786	81.3882	3	L	33	3693.6568	1847.3320	1231.8905
357.1769	179.0921	119.7305	4	D	32	3580.5727	1790.7900	**1194.1958**
471.2198	236.1135	157.7448	5	N	31	3465.5458	**1733.2765**	1155.8535
570.2882	285.6477	190.7676	6	V	30	3351.5029	**1676.2551**	**1117.8391**
685.3151	343.1612	229.1099	7	D	29	3252.4345	**1626.7209**	**1084.8163**
756.3522	378.6798	252.7889	8	A	28	3137.4075	**1569.2074**	1046.4740
885.3948	443.2011	295.8031	9	E	27	3066.3704	1533.6888	1022.7950
972.4269	486.7171	324.8138	10	S	26	2937.3278	**1469.1676**	979.7808
1100.5218	550.7645	367.5121	11	K	25	2850.2958	1425.6515	950.7701
1229.5644	615.2858	410.5263	12	E	24	2722.2008	1361.6041	908.0718
1286.5859	643.7966	429.5335	13	G	23	2593.1582	**1297.0828**	865.0576
1467.5999	734.3036	489.8715	14	T[181]	22	2536.1368	1268.5720	846.0504
1564.6526	782.8300	522.2224	15	P	21	2355.1228	1178.0650	785.7124
1731.6510	866.3291	577.8885	16	S[167]	20	2258.0700	**1129.5386**	753.3615
1802.6881	901.8477	601.5676	17	A	19	2091.0716	1046.0395	697.6954
1916.7310	958.8692	639.5819	18	N	18	2020.0345	**1010.5209**	674.0164
2003.7631	1002.3852	668.5925	19	S	17	1905.9916	**953.4994**	636.0021
2090.7951	**1045.9012**	697.6032	20	S	16	**1818.9596**	**909.9834**	606.9914
2203.8792	1102.4432	735.2979	21	I	15	**1731.9276**	866.4674	577.9807
2331.9377	1166.4725	777.9841	22	Q	14	**1618.8435**	**809.9254**	540.2860
2459.9963	1230.5018	820.6703	23	Q	13	**1490.7849**	745.8961	497.5998
2589.0389	**1295.0231**	863.6845	24	E	12	**1362.7263**	681.8668	454.9136
2688.1073	**1344.5573**	896.7073	25	V	11	1233.6837	617.3455	411.8994
2745.1288	**1373.0680**	915.7144	26	G	10	**1134.6153**	567.8113	378.8766
2858.2128	**1429.6101**	**953.4091**	27	L	9	**1077.5939**	539.3006	359.8695
2955.2656	1478.1364	985.7601	28	P	8	**964.5098**	482.7585	322.1748
3118.3289	**1559.6681**	1040.1145	29	Y	7	**867.4571**	434.2322	289.8239
3205.3610	1603.1841	1069.1252	30	S	6	**704.3937**	352.7005	235.4694
3334.4036	1667.7054	1112.1394	31	E	5	617.3617	309.1845	206.4588
3447.4876	**1724.2474**	1149.8341	32	L	4	**488.3191**	244.6632	163.4446
3560.5717	1780.7895	1187.5287	33	L	3	375.2350	188.1212	125.7499
3647.6037	1824.3055	1216.5394	34	S	2	262.1510	131.5791	88.0552
			35	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.AGNRPTSAAT$_{181}$S$_{167}$LVNR.T/2

0.9996

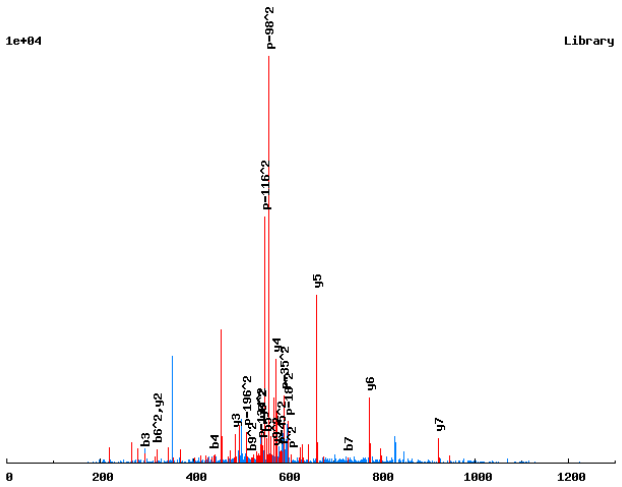


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
129.0659	65.0366	2	G	14	1603.6989	**802.3531**
243.1088	122.0580	3	N	13	1546.6775	**773.8424**
399.2099	200.1086	4	R	12	1432.6345	**716.8209**
496.2626	248.6350	5	P	11	**1276.5334**	638.7703
597.3103	299.1588	6	T	10	1179.4807	590.2440
684.3424	342.6748	7	S	9	1078.4330	539.7201
755.3795	378.1934	8	A	8	991.4009	496.2041
826.4166	413.7119	9	A	7	920.3638	460.6856
1007.4306	504.2189	10	T[181]	6	849.3267	425.1670
1174.4290	587.7181	11	S[167]	5	**668.3127**	334.6600
1287.5130	644.2601	12	L	4	**501.3143**	251.1608
1386.5814	693.7944	13	V	3	**388.2303**	194.6188
1500.6244	750.8158	14	N	2	289.1619	145.0846
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.AGS$_{167}$FLSSS$_{167}$FR.H/2

0.6223

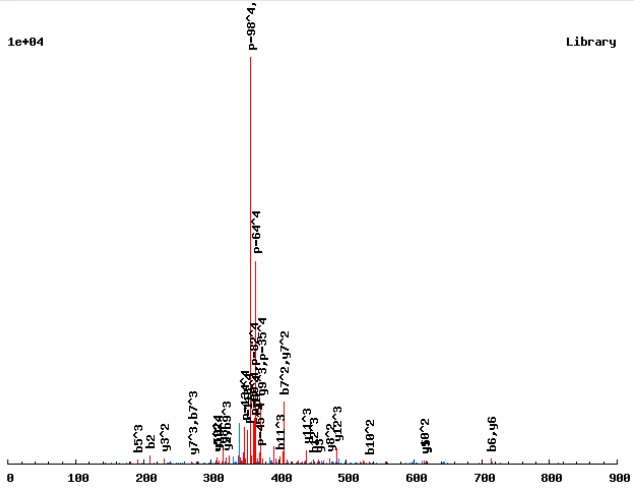


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	10		
129.0659	65.0366	2	G	9	1147.4221	**574.2147**
296.0642	148.5357	3	S[167]	8	1090.4006	**545.7039**
443.1326	222.0700	4	F	7	**923.4023**	462.2048
556.2167	278.6120	5	L	6	**776.3338**	388.6706
643.2487	**322.1280**	6	S	5	**663.2498**	332.1285
730.2807	365.6440	7	S	4	**576.2178**	288.6125
897.2791	449.1432	8	S[167]	3	**489.1857**	245.0965
1044.3475	**522.6774**	9	F	2	**322.1874**	161.5973
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.AHSIS$_{167}$HVPGTHM$_{147}$R.G/4

0.6311

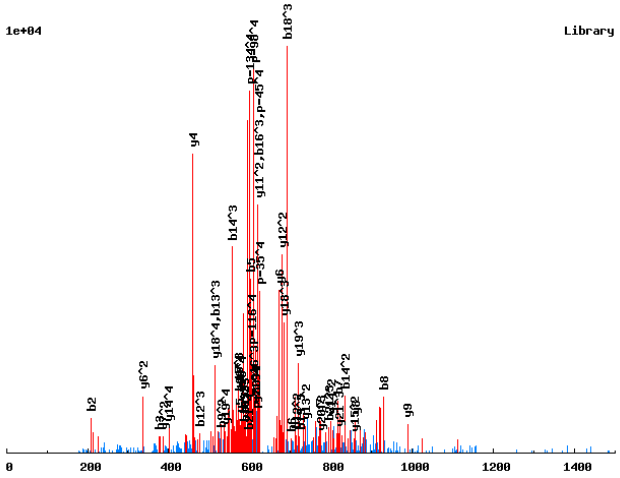


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
72.0444	36.5258	24.6863	18.7666	1	A	13				
209.1033	105.0553	70.3726	53.0313	2	H	12	1454.6358	727.8216	**485.5501**	**364.4144**
296.1353	148.5713	99.3833	74.7893	3	S	11	1317.5769	659.2921	**439.8638**	330.1497
409.2194	205.1133	137.0780	103.0603	4	I	10	1230.5449	**615.7761**	410.8532	**308.3917**
576.2178	288.6125	**192.7441**	144.8099	5	S[167]	9	1117.4608	559.2341	**373.1585**	280.1207
713.2767	**357.1420**	238.4304	179.0746	6	H	8	950.4625	**475.7349**	**317.4923**	238.3711
812.3451	**406.6762**	**271.4532**	203.8417	7	V	7	813.4036	**407.2054**	**271.8060**	204.1064
909.3978	455.2026	303.8041	228.1049	8	P	6	**714.3352**	**357.6712**	238.7832	179.3393
966.4193	483.7133	**322.8113**	242.3603	9	G	5	**617.2824**	**309.1448**	206.4323	155.0761
1067.4670	**534.2371**	356.4938	267.6222	10	T	4	560.2609	280.6341	187.4252	140.8207
1204.5259	602.7666	**402.1801**	301.8869	11	H	3	**459.2133**	**230.1103**	153.7426	115.5588
1351.5613	676.2843	**451.1919**	338.6458	12	M[147]	2	**322.1544**	161.5808	108.0563	81.2940
				13	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

K.AHS$_{167}$PQTDLKDDHDESTPDPQSK.S/4

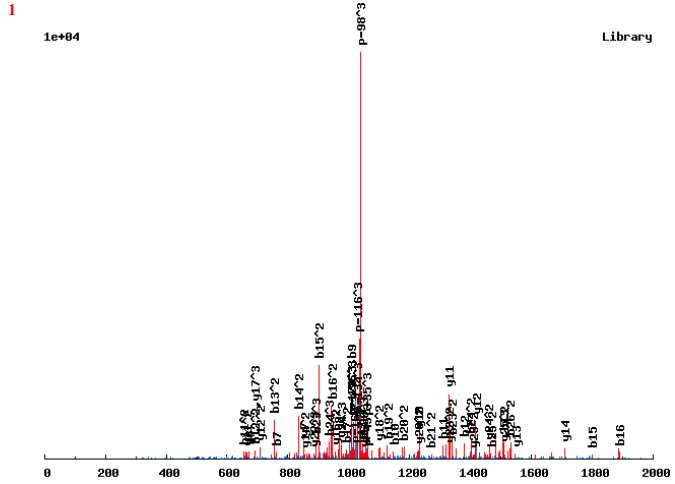
0.6111



b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
72.0444	36.5258	24.6863	18.7666	1	A	22				
209.1033	105.0553	70.3726	53.0313	2	H	21	2457.0202	1229.0137	**819.6782**	**615.0105**
376.1017	188.5545	126.0387	94.7809	3	S[167]	20	2319.9612	1160.4843	**773.9919**	**580.7458**
473.1544	237.0809	158.3897	119.0441	4	P	19	2152.9629	1076.9851	**718.3258**	**538.9962**
601.2130	301.1101	201.0759	151.0587	5	Q	18	2055.9101	1028.4587	**685.9749**	**514.7330**
702.2607	351.6340	234.7584	176.3206	6	T	17	1927.8515	964.4294	643.2887	482.7183
817.2876	409.1475	273.1007	205.0774	7	D	16	1826.8039	913.9056	**609.6061**	457.4564
930.3717	465.6895	310.7954	233.3484	8	L	15	1711.7769	**856.3921**	**571.2638**	428.6997
1058.4666	**529.7370**	353.4937	265.3721	9	K	14	1598.6929	**799.8501**	533.5691	**400.4287**
1173.4936	**587.2504**	391.8360	294.1289	10	D	13	1470.5979	**735.8026**	490.8708	368.4049
1288.5205	644.7639	430.1784	322.8856	11	D	12	1355.5710	**678.2891**	452.5285	339.6482
1425.5794	**713.2934**	**475.8647**	357.1503	12	H	11	1240.5440	**620.7756**	414.1862	310.8915
1540.6064	770.8068	**514.2070**	385.9071	13	D	10	1103.4851	552.2462	368.4999	276.6267
1669.6490	**835.3281**	**557.2212**	418.1677	14	E	9	**988.4582**	494.7327	330.1576	247.8700
1756.6810	878.8441	**586.2319**	439.9257	15	S	8	**859.4156**	430.2114	287.1434	215.6094
1857.7287	929.3680	**619.9144**	465.1876	16	T	7	**772.3836**	**386.6954**	258.1327	193.8513
1954.7814	977.8944	652.2653	489.4508	17	P	6	**671.3359**	**336.1716**	224.4501	168.5894
2069.8084	1035.4078	**690.6076**	518.2076	18	D	5	**574.2831**	287.6452	192.0992	144.3262
2166.8611	1083.9342	**722.9586**	542.4707	19	P	4	**459.2562**	230.1317	153.7569	115.5695
2294.9197	1147.9635	765.6448	**574.4854**	20	Q	3	362.2034	181.6053	121.4060	91.3063
2381.9517	1191.4795	**794.6554**	**596.2434**	21	S	2	234.1448	117.5761	78.7198	59.2917
				22	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

K.AHSTYSDHDMYAQYESPS$_{167}$VDT$_{181}$GAQMEK$_{136}$.S/3

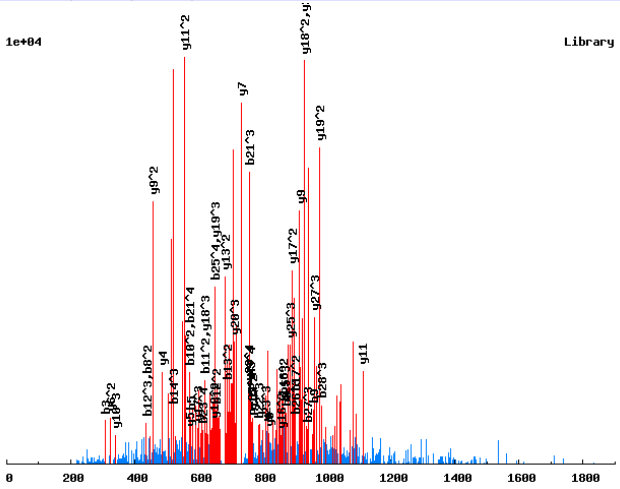


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	27			
209.1033	105.0553	70.3726	2	H	26	3145.1719	1573.0896	**1049.0622**
296.1353	148.5713	99.3833	3	S	25	3008.1130	**1504.5602**	1003.3759
397.1830	199.0951	133.0659	4	T	24	2921.0810	**1461.0441**	**974.3652**
560.2463	280.6268	187.4203	5	Y	23	2820.0333	**1410.5203**	940.6826
647.2784	324.1428	216.4310	6	S	22	2656.9700	**1328.9886**	**886.3282**
762.3053	381.6563	254.7733	7	D	21	2569.9380	1285.4726	857.3175
899.3642	450.1858	300.4596	8	H	20	2454.9110	**1227.9592**	818.9752
1014.3912	507.6992	338.8019	9	D	19	2317.8521	1159.4297	773.2889
1145.4316	573.2195	382.4821	10	M	18	2202.8252	**1101.9162**	734.9466
1308.4950	**654.7511**	436.8365	11	Y	17	2071.7847	**1036.3960**	**691.2664**
1379.5321	**690.2697**	460.5156	12	A	16	1908.7214	**954.8643**	636.9120
1507.5907	**754.2990**	503.2017	13	Q	15	1837.6842	919.3458	613.2329
1670.6540	**835.8306**	557.5562	14	Y	14	**1709.6257**	**855.3165**	570.5467
1799.6966	**900.3519**	600.5704	15	E	13	**1546.5623**	773.7848	516.1923
1886.7286	**943.8679**	629.5811	16	S	12	**1417.5197**	**709.2635**	473.1781
1983.7814	**992.3943**	661.9320	17	P	11	**1330.4877**	**665.7475**	444.1674
2150.7797	1075.8935	717.5981	18	S[167]	10	**1233.4350**	617.2211	411.8165
2249.8482	**1125.4277**	750.6209	19	V	9	1066.4366	533.7219	356.1504
2364.8751	**1182.9412**	788.9632	20	D	8	**967.3682**	484.1877	323.1276
2545.8891	**1273.4482**	849.3012	21	T[181]	7	**852.3412**	426.6743	284.7853
2602.9106	1301.9589	868.3084	22	G	6	**671.3272**	336.1673	224.4473
2673.9477	**1337.4775**	**891.9874**	23	A	5	614.3058	307.6565	205.4401
2802.0063	**1401.5068**	**934.6736**	24	Q	4	543.2687	272.1380	181.7611
2933.0467	**1467.0270**	978.3538	25	M	3	415.2101	208.1087	139.0749
3062.0893	**1531.5483**	1021.3680	26	E	2	284.1696	142.5884	95.3947
			27	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.AHVHEVAKST$_{181}$PAAT$_{181}$PAAT$_{181}$PTPSSASPNKK.D/4

0.6053

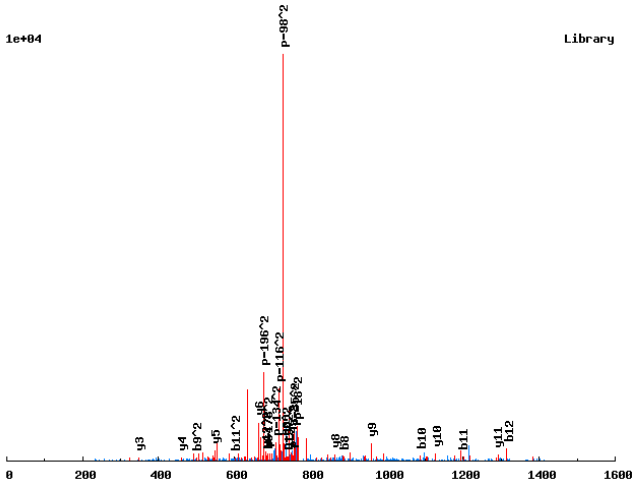


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
72.0444	36.5258	24.6863	18.7666	1	A	29				
209.1033	105.0553	70.3726	53.0313	2	H	28	3022.3472	1511.6772	1008.1206	**756.3423**
308.1717	154.5895	103.3954	77.7984	3	V	27	2885.2883	1443.1478	**962.4343**	722.0775
445.2306	223.1189	149.0817	112.0631	4	H	26	2786.2199	1393.6136	**929.4115**	697.3104
574.2732	287.6402	192.0959	144.3238	5	E	25	2649.1609	1325.0841	**883.7252**	663.0457
673.3416	337.1745	225.1187	169.0909	6	V	24	2520.1184	1260.5628	840.7110	630.7850
744.3787	372.6930	248.7978	186.8501	7	A	23	2421.0499	1211.0286	**807.6882**	606.0179
872.4737	**436.7405**	291.4961	218.8739	8	K	22	2350.0128	1175.5101	784.0091	588.2587
959.5057	480.2565	320.5068	240.6319	9	S	21	2221.9179	1111.4626	741.3108	556.2349
1140.5197	**570.7635**	380.8448	285.8854	10	T[181]	20	2134.8858	1067.9466	**712.3001**	534.4769
1237.5725	**619.2899**	413.1957	310.1486	11	P	19	1953.8718	**977.4396**	**651.9621**	489.2234
1308.6096	**654.8084**	**436.8747**	327.9079	12	A	18	1856.8191	**928.9132**	**619.6112**	464.9602
1379.6467	**690.3270**	460.5538	345.6671	13	A	17	1785.7820	**893.3946**	**595.9322**	447.2010
1560.6607	780.8340	**520.8918**	390.9206	14	T[181]	16	1714.7449	**857.8761**	572.2531	429.4417
1657.7135	829.3604	553.2427	415.1838	15	P	15	1533.7308	**767.3691**	511.9151	384.1882
1728.7506	**864.8789**	576.9217	432.9431	16	A	14	1436.6781	718.8427	479.5642	359.9250
1799.7877	**900.3975**	600.6008	450.7024	17	A	13	1365.6410	**683.3241**	455.8852	342.1657
1980.8017	990.9045	660.9388	495.9559	18	T[181]	12	1294.6039	**647.8056**	432.2061	324.4064
2077.8545	1039.4309	693.2897	520.2191	19	P	11	**1113.5898**	**557.2986**	371.8681	279.1529
2178.9022	1089.9547	726.9722	545.4810	20	T	10	1016.5371	508.7722	**339.5172**	254.8897
2275.9549	1138.4811	**759.3232**	**569.7442**	21	P	9	**915.4894**	**458.2483**	305.8347	229.6278
2362.9869	1181.9971	**788.3338**	591.5022	22	S	8	**818.4367**	409.7220	273.4837	205.3646
2450.0190	1225.5131	817.3445	**613.2602**	23	S	7	**731.4046**	366.2060	244.4731	183.6066
2521.0561	1261.0317	841.0235	631.0195	24	A	6	644.3726	**322.6899**	215.4624	161.8486
2608.0881	1304.5477	**870.0342**	**652.7775**	25	S	5	**573.3355**	287.1714	191.7833	144.0893
2705.1409	1353.0741	**902.3851**	677.0407	26	P	4	**486.3034**	243.6554	162.7727	122.3313
2819.1838	1410.0955	**940.3995**	705.5514	27	N	3	389.2507	195.1290	130.4217	98.0681
2947.2788	1474.1430	**983.0978**	737.5752	28	K	2	275.2078	138.1075	92.4074	69.5574
				29	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.AIAS$_{167}$S$_{167}$PSLNSNLSK.N/2

0.9976

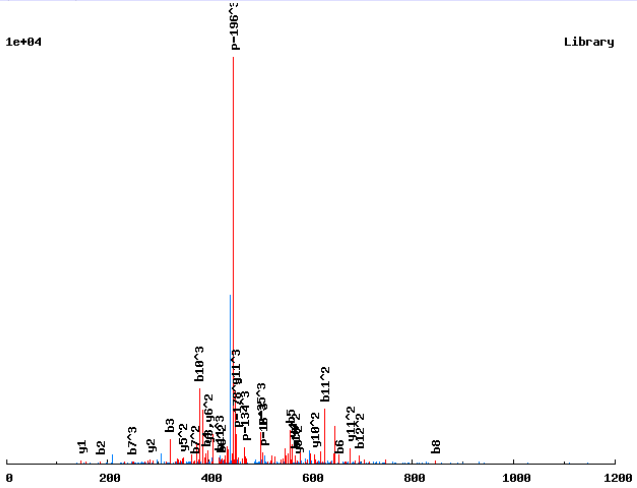


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	14		
185.1285	93.0679	2	I	13	1477.6335	**739.3204**
256.1656	128.5864	3	A	12	1364.5495	**682.7784**
423.1639	212.0856	4	S[167]	11	**1293.5124**	647.2598
590.1623	295.5848	5	S[167]	10	**1126.5140**	563.7606
687.2150	344.1112	6	P	9	**959.5156**	480.2615
774.2471	387.6272	7	S	8	**862.4629**	431.7351
887.3311	444.1692	8	L	7	775.4308	388.2191
1001.3741	**501.1907**	9	N	6	**662.3468**	331.6770
1088.4061	544.7067	10	S	5	**548.3039**	274.6556
1202.4490	**601.7282**	11	N	4	**461.2718**	231.1395
1315.5331	658.2702	12	L	3	**347.2289**	174.1181
1402.5651	701.7862	13	S	2	234.1448	117.5761
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.AIHAS$_{167}$PSTKS$_{167}$IHK.S/3

0.7494

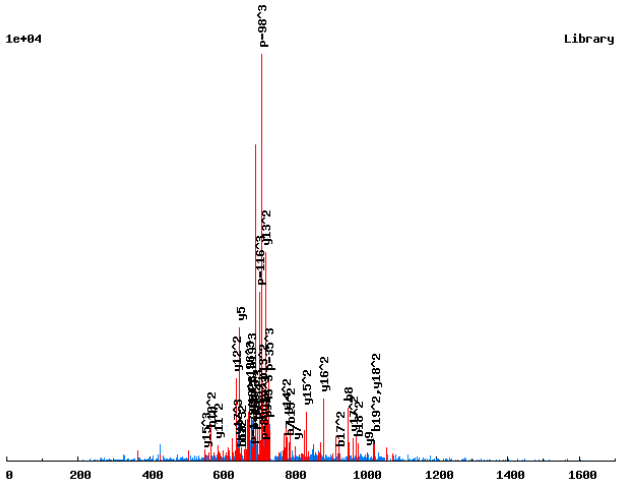


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	13			
185.1285	93.0679	62.3810	2	I	12	1465.6600	733.3336	489.2249
322.1874	161.5973	108.0673	3	H	11	1352.5759	**676.7916**	**451.5302**
393.2245	197.1159	131.7463	4	A	10	1215.5170	**608.2622**	405.8439
560.2228	280.6151	187.4125	5	S[167]	9	1144.4799	**572.7436**	382.1648
657.2756	329.1414	219.7634	6	P	8	977.4816	489.2444	326.4987
744.3076	**372.6575**	**248.7741**	7	S	7	880.4288	440.7180	294.1478
845.3553	**423.1813**	282.4566	8	T	6	793.3968	**397.2020**	265.1371
973.4503	487.2288	325.1549	9	K	5	692.3491	**346.6782**	231.4546
1140.4486	**570.7280**	**380.8211**	10	S[167]	4	**564.2541**	282.6307	188.7562
1253.5327	**627.2700**	**418.5157**	11	I	3	**397.2558**	199.1315	133.0901
1390.5916	**695.7994**	464.2021	12	H	2	**284.1717**	142.5895	95.3954
			13	K	1	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.AINS$_{167}$PIIR$_{166}$PSSSNGVPT$_{181}$TSR$_{166}$.K/3

0.9975

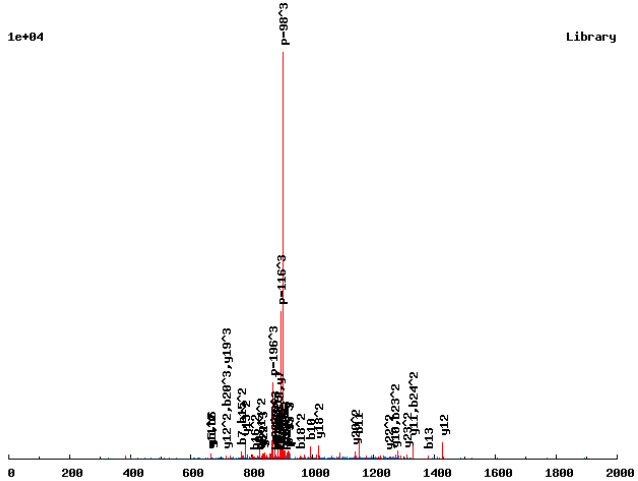


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	20			
185.1285	93.0679	62.3810	2	I	19	2163.0110	1082.0091	**721.6752**
299.1714	150.0893	100.3953	3	N	18	2049.9269	**1025.4671**	**683.9805**
466.1697	233.5885	156.0614	4	S[167]	17	1935.8840	**968.4456**	**645.9662**
563.2225	282.1149	188.4124	5	P	16	1768.8856	**884.9464**	590.3001
676.3066	338.6569	226.1070	6	I	15	1671.8328	**836.4201**	**557.9491**
789.3906	395.1990	263.8017	7	I	14	1558.7488	**779.8780**	520.2544
955.5000	478.2536	319.1715	8	R[166]	13	1445.6647	**723.3360**	482.5598
1052.5528	526.7800	351.5224	9	P	12	1279.5554	**640.2813**	427.1900
1139.5848	**570.2960**	380.5331	10	S	11	1182.5026	**591.7549**	394.8390
1226.6168	613.8121	409.5438	11	S	10	1095.4706	548.2389	365.8284
1313.6489	**657.3281**	438.5545	12	S	9	**1008.4385**	504.7229	336.8177
1427.6918	**714.3495**	476.5688	13	N	8	921.4065	461.2069	307.8070
1484.7132	742.8603	495.5759	14	G	7	**807.3636**	404.1854	269.7927
1583.7817	**792.3945**	528.5987	15	V	6	750.3421	375.6747	250.7856
1680.8344	840.9208	560.9497	16	P	5	**651.2737**	326.1405	217.7628
1861.8484	**931.4279**	621.2877	17	T[181]	4	554.2209	277.6141	185.4118
1962.8961	**981.9517**	**654.9702**	18	T	3	373.2069	187.1071	125.0738
2049.9281	**1025.4677**	**683.9809**	19	S	2	272.1592	136.5833	91.3913
			20	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.AINTEHVGGLC$_{160}$PKPGSS$_{167}$QGS$_{167}$NEYLK.R/3

0.9975

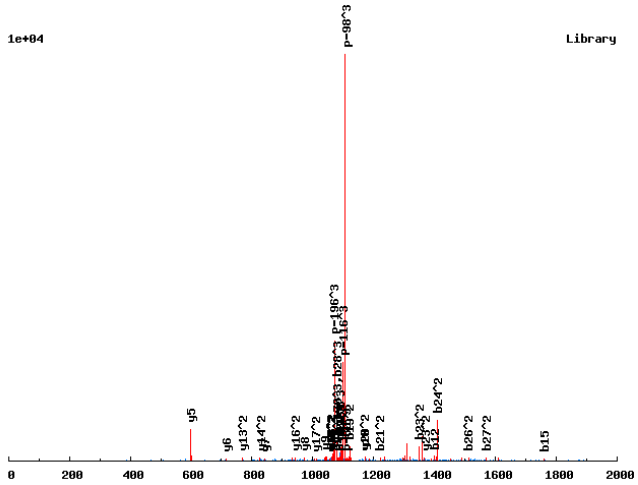


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	25			
185.1285	93.0679	62.3810	2	I	24	2732.1787	1366.5930	911.3977
299.1714	150.0893	100.3953	3	N	23	2619.0946	**1310.0509**	**873.7031**
400.2191	200.6132	134.0779	4	T	22	2505.0517	**1253.0295**	**835.6887**
529.2617	265.1345	177.0921	5	E	21	2404.0040	1202.5056	802.0062
666.3206	333.6639	222.7784	6	H	20	2274.9614	**1137.9843**	758.9920
765.3890	383.1981	255.8012	7	V	19	2137.9025	1069.4549	**713.3057**
822.4104	411.7089	274.8083	8	G	18	2038.8341	**1019.9207**	680.2829
879.4319	440.2196	293.8155	9	G	17	1981.8126	991.4099	661.2757
992.5160	496.7616	331.5102	10	L	16	1924.7912	962.8992	642.2686
1152.5466	576.7769	384.8537	11	C[160]	15	1811.7071	**906.3572**	604.5739
1249.5994	625.3033	417.2046	12	P	14	1651.6764	**826.3419**	551.2303
1377.6943	689.3508	459.9030	13	K	13	1554.6237	**777.8155**	518.8794
1474.7471	737.8772	492.2539	14	P	12	**1426.5287**	**713.7680**	476.1811
1531.7685	**766.3879**	511.2610	15	G	11	**1329.4760**	**665.2416**	443.8302
1618.8006	**809.9039**	540.2717	16	S	10	**1272.4545**	636.7309	424.8230
1785.7989	**893.4031**	595.9378	17	S[167]	9	1185.4225	593.2149	395.8123
1913.8575	**957.4324**	638.6240	18	Q	8	1018.4241	509.7157	340.1462
1970.8790	985.9431	657.6312	19	G	7	**890.3655**	445.6864	297.4600
2137.8773	1069.4423	**713.2973**	20	S[167]	6	**833.3441**	417.1757	278.4529
2251.9203	1126.4638	751.3116	21	N	5	**666.3457**	333.6765	222.7868
2380.9629	1190.9851	794.3258	22	E	4	552.3028	276.6550	184.7724
2544.0262	**1272.5167**	848.6802	23	Y	3	423.2602	212.1337	141.7582
2657.1102	**1329.0588**	**886.3749**	24	L	2	260.1969	130.6021	87.4038
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.AIRS$_{167}$GNEEES$_{167}$GNEQVNHNDEAEEDPLLTR.Y/3

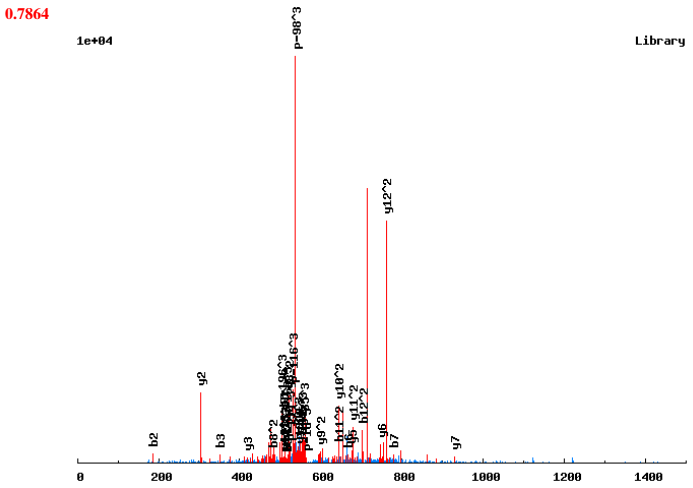
0.9998



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	29			
185.1285	93.0679	62.3810	2	I	28	3341.3591	1671.1832	1114.4579
341.2296	171.1184	114.4147	3	R	27	3228.2750	1614.6411	**1076.7632**
508.2279	254.6176	170.0808	4	S[167]	26	3072.1739	1536.5906	1024.7295
565.2494	283.1283	189.0880	5	G	25	2905.1755	1453.0914	969.0634
679.2923	340.1498	227.1023	6	N	24	2848.1541	1424.5807	950.0562
808.3349	404.6711	270.1165	7	E	23	2734.1111	**1367.5592**	912.0419
937.3775	469.1924	313.1307	8	E	22	2605.0686	1303.0379	869.0277
1066.4201	533.7137	356.1449	9	E	21	2476.0260	1238.5166	826.0135
1233.4184	617.2129	411.8110	10	S[167]	20	2346.9834	**1173.9953**	782.9993
1290.4399	645.7236	430.8182	11	G	19	2179.9850	**1090.4961**	727.3332
1404.4828	702.7451	468.8325	12	N	18	2122.9635	**1061.9854**	708.3260
1533.5254	767.2664	511.8467	13	E	17	2008.9206	**1004.9639**	670.3117
1661.5840	831.2956	554.5329	14	Q	16	1879.8780	**940.4427**	627.2975
1760.6524	880.8298	587.5557	15	V	15	1751.8194	876.4134	584.6113
1874.6953	937.8513	625.5700	16	N	14	1652.7510	**826.8792**	551.5885
2011.7543	1006.3808	671.2563	17	H	13	1538.7081	**769.8577**	513.5742
2125.7972	**1063.4022**	709.2706	18	N	12	1401.6492	701.3282	467.8879
2240.8241	**1120.9157**	747.6129	19	D	11	1287.6063	644.3068	429.8736
2369.8667	1185.4370	790.6271	20	E	10	**1172.5793**	586.7933	391.5313
2440.9038	**1220.9556**	814.3061	21	A	9	**1043.5367**	522.2720	348.5171
2569.9464	1285.4768	857.3203	22	E	8	**972.4996**	486.7535	324.8381
2698.9890	**1349.9981**	900.3345	23	E	7	**843.4570**	422.2322	281.8239
2814.0159	**1407.5116**	938.6768	24	D	6	**714.4145**	357.7109	238.8097
2911.0687	1456.0380	971.0278	25	P	5	**599.3875**	300.1974	200.4674
3024.1528	**1512.5800**	1008.7224	26	L	4	502.3347	251.6710	168.1164
3137.2368	**1569.1221**	1046.4171	27	L	3	389.2507	195.1290	130.4217
3238.2845	1619.6459	**1080.0997**	28	T	2	276.1666	138.5870	92.7271
			29	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.AIS$_{167}$ASRLT$_{181}$AEEDER.R/3

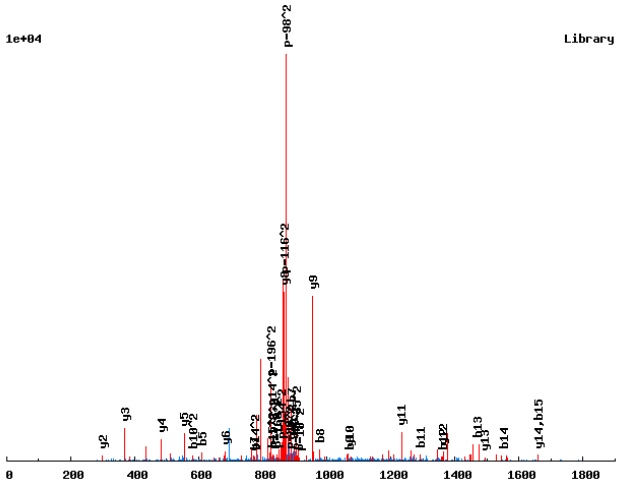


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	14			
185.1285	93.0679	62.3810	2	I	13	1636.6615	818.8344	**546.2254**
352.1268	176.5670	118.0471	3	S[167]	12	1523.5775	**762.2924**	**508.5307**
423.1639	212.0856	141.7262	4	A	11	1356.5791	**678.7932**	452.8646
510.1960	255.6016	170.7368	5	S	10	1285.5420	**643.2746**	429.1855
666.2971	333.6522	222.7705	6	R	9	1198.5100	**599.7586**	400.1748
779.3811	390.1942	260.4652	7	L	8	1042.4088	**521.7081**	348.1411
960.3951	**480.7012**	320.8032	8	T[181]	7	**929.3248**	465.1660	310.4464
1031.4322	**516.2198**	344.4823	9	A	6	**748.3108**	374.6590	250.1084
1160.4748	580.7411	387.4965	10	E	5	**677.2737**	339.1405	226.4294
1289.5174	**645.2624**	430.5107	11	E	4	**548.2311**	274.6192	183.4152
1404.5444	**702.7758**	468.8530	12	D	3	**419.1885**	210.0979	140.4010
1533.5870	767.2971	**511.8672**	13	E	2	**304.1615**	152.5844	102.0587
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.AIS$_{167}$EES$_{167}$LSPSEAIANR$_{166}$.D/2

0.9999

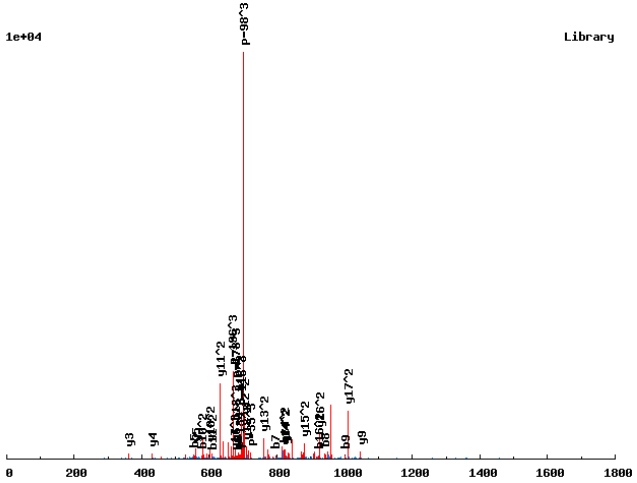


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	16		
185.1285	93.0679	2	I	15	1772.7379	**886.8726**
352.1268	176.5670	3	S[167]	14	**1659.6538**	**830.3305**
481.1694	241.0883	4	E	13	**1492.6554**	746.8314
610.2120	305.6096	5	E	12	**1363.6128**	682.3101
777.2104	389.1088	6	S[167]	11	**1234.5703**	617.7888
890.2944	445.6508	7	L	10	**1067.5719**	534.2896
977.3264	489.1669	8	S	9	**954.4878**	477.7476
1074.3792	537.6932	9	P	8	**867.4558**	434.2315
1161.4112	**581.2093**	10	S	7	**770.4030**	385.7052
1290.4538	645.7306	11	E	6	**683.3710**	342.1891
1361.4909	681.2491	12	A	5	**554.3284**	277.6679
1474.5750	737.7911	13	I	4	**483.2913**	242.1493
1545.6121	**773.3097**	14	A	3	**370.2073**	185.6073
1659.6550	**830.3312**	15	N	2	**299.1701**	150.0887
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.AIS$_{167}$SDQLFGRGS$_{167}$FDEAANR.E/3

0.9995

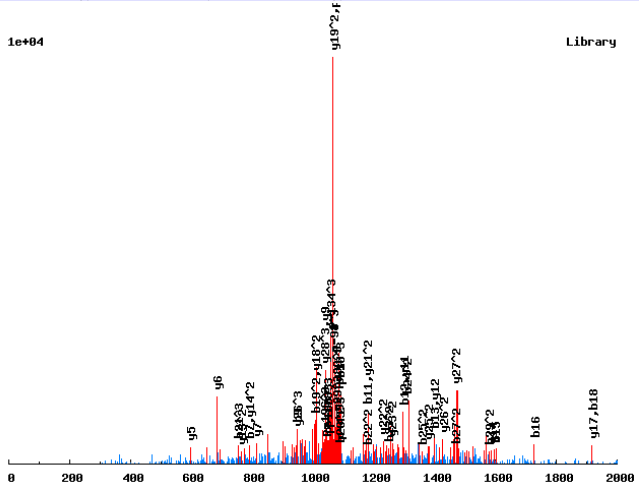


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
185.1285	93.0679	62.3810	2	I	18	2129.8689	1065.4381	**710.6278**
352.1268	176.5670	118.0471	3	S[167]	17	2016.7848	**1008.8960**	**672.9331**
439.1588	220.0831	147.0578	4	S	16	1849.7865	**925.3969**	617.2670
554.1858	277.5965	185.4001	5	D	15	1762.7544	**881.8809**	588.2563
682.2444	341.6258	228.0863	6	Q	14	1647.7275	**824.3674**	549.9140
795.3284	398.1679	265.7810	7	L	13	1519.6689	**760.3381**	507.2278
942.3968	471.7021	314.8038	8	F	12	1406.5848	**703.7961**	469.5331
999.4183	500.2128	333.8110	9	G	11	1259.5164	**630.2619**	420.5103
1155.5194	**578.2633**	385.8447	10	R	10	1202.4950	**601.7511**	401.5032
1212.5409	**606.7741**	404.8518	11	G	9	**1046.3939**	523.7006	349.4695
1379.5392	**690.2733**	460.5179	12	S[167]	8	989.3724	495.1898	330.4623
1526.6076	763.8075	509.5407	13	F	7	**822.3740**	411.6907	274.7962
1641.6346	**821.3209**	547.8830	14	D	6	**675.3056**	338.1565	225.7734
1770.6772	885.8422	590.8972	15	E	5	**560.2787**	280.6430	187.4311
1841.7143	**921.3608**	614.5763	16	A	4	**431.2361**	216.1217	144.4169
1912.7514	956.8793	638.2553	17	A	3	**360.1990**	180.6031	120.7378
2026.7943	1013.9008	**676.2696**	18	N	2	289.1619	145.0846	97.0588
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.AIT$_{181}$PSNEGVK$_{136}$PNTSLEGMTS$_{167}$SPMESTQQSK$_{136}$.N/3

0.8702

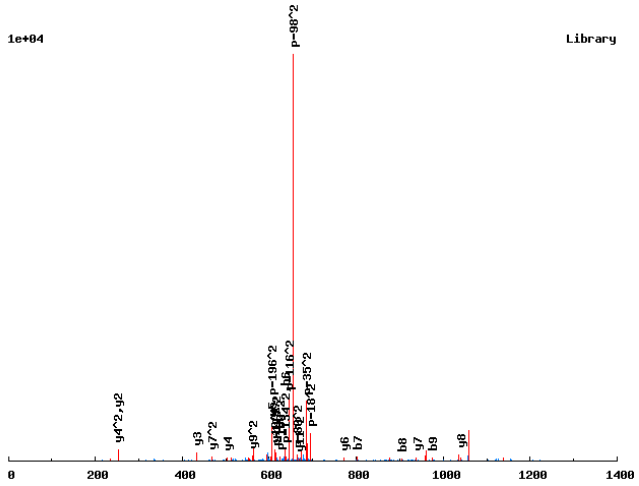


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	30			
185.1285	93.0679	62.3810	2	I	29	3241.4012	1621.2042	**1081.1386**
366.1425	183.5749	122.7190	3	T[181]	28	3128.3172	1564.6622	**1043.4439**
463.1952	232.1013	155.0699	4	P	27	2947.3031	**1474.1552**	983.1059
550.2273	275.6173	184.0806	5	S	26	2850.2504	**1425.6288**	**950.7550**
664.2702	332.6387	222.0949	6	N	25	2763.2184	**1382.1128**	921.7443
793.3128	397.1600	265.1091	7	E	24	2649.1754	1325.0914	883.7300
850.3342	425.6708	284.1163	8	G	23	2520.1328	**1260.5701**	840.7158
949.4026	475.2050	317.1391	9	V	22	2463.1114	**1232.0593**	821.7086
1085.5118	543.2595	362.5088	10	K[136]	21	2364.0430	**1182.5251**	788.6858
1182.5646	591.7859	394.8597	11	P	20	2227.9338	1114.4705	743.3161
1296.6075	648.8074	432.8740	12	N	19	2130.8811	**1065.9442**	710.9652
1397.6552	699.3312	466.5566	13	T	18	2016.8381	**1008.9227**	672.9509
1484.6872	742.8472	495.5673	14	S	17	**1915.7904**	958.3989	639.2683
1597.7713	799.3893	533.2619	15	L	16	1828.7584	914.8828	610.2577
1726.8139	863.9106	576.2761	16	E	15	1715.6743	858.3408	572.5630
1783.8353	892.4213	595.2833	17	G	14	**1586.6318**	**793.8195**	529.5488
1914.8758	957.9415	638.9635	18	M	13	1529.6103	**765.3088**	510.5416
2015.9235	**1008.4654**	672.6460	19	T	12	**1398.5698**	699.7885	466.8615
2182.9218	**1091.9646**	728.3121	20	S[167]	11	**1297.5221**	649.2647	433.1789
2269.9539	1135.4806	**757.3228**	21	S	10	1130.5238	565.7655	377.5128
2367.0066	**1184.0070**	789.6737	22	P	9	**1043.4917**	522.2495	348.5021
2498.0471	**1249.5272**	833.3539	23	M	8	946.4390	473.7231	316.1512
2627.0897	**1314.0485**	876.3681	24	E	7	**815.3985**	408.2029	272.4710
2714.1217	**1357.5645**	905.3788	25	S	6	**686.3559**	343.6816	229.4568
2815.1694	1408.0884	939.0613	26	T	5	**599.3239**	300.1656	200.4461
2943.2280	**1472.1176**	981.7475	27	Q	4	498.2762	249.6417	166.7636
3071.2866	1536.1469	1024.4337	28	Q	3	370.2176	185.6124	124.0774
3158.3186	**1579.6629**	1053.4444	29	S	2	242.1590	121.5832	81.3912
			30	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.AITSPS$_{167}$R$_{166}$TAT$_{181}$PK$_{136}$.L/2

0.9911

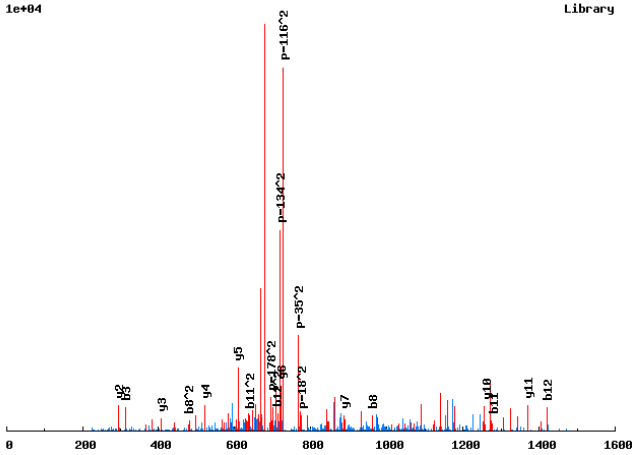


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
185.1285	93.0679	2	I	11	1336.6028	**668.8051**
286.1761	143.5917	3	T	10	1223.5188	**612.2630**
373.2082	187.1077	4	S	9	1122.4711	**561.7392**
470.2609	235.6341	5	P	8	**1035.4391**	518.2232
637.2593	319.1333	6	S[167]	7	**938.3863**	**469.6968**
803.3687	402.1880	7	R[166]	6	**771.3879**	386.1976
904.4163	452.7118	8	T	5	**605.2786**	303.1429
975.4534	488.2304	9	A	4	**504.2309**	**252.6191**
1156.4675	578.7374	10	T[181]	3	**433.1938**	217.1005
1253.5202	627.2638	11	P	2	**252.1798**	126.5935
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.AKLSNS$_{167}$S$_{167}$LSNLFK.K/2

0.9583

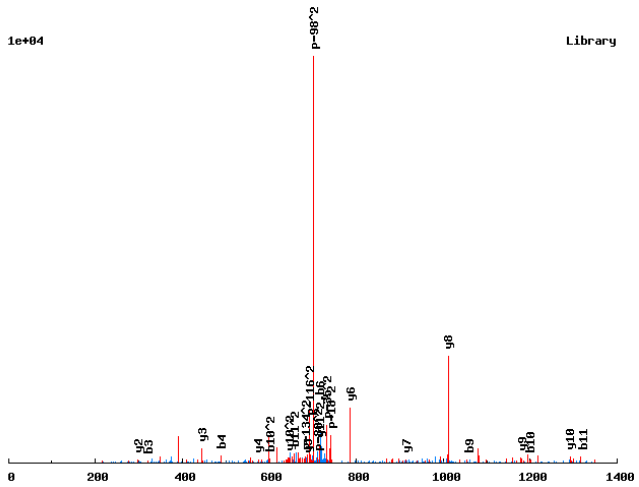


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	13		
200.1394	100.5733	2	K	12	1497.6750	749.3411
313.2234	157.1153	3	L	11	**1369.5800**	685.2937
400.2554	200.6314	4	S	10	**1256.4960**	628.7516
514.2984	257.6528	5	N	9	1169.4639	585.2356
681.2967	341.1520	6	S[167]	8	1055.4210	528.2141
848.2951	424.6512	7	S[167]	7	**888.4227**	444.7150
961.3792	**481.1932**	8	L	6	**721.4243**	361.2158
1048.4112	524.7092	9	S	5	**608.3402**	304.6738
1162.4541	581.7307	10	N	4	**521.3082**	261.1577
1275.5382	**638.2727**	11	L	3	**407.2653**	204.1363
1422.6066	**711.8069**	12	F	2	**294.1812**	147.5942
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.AK$_{136}$NS$_{167}$PEPNEFLR$_{166}$.D/2

0.9981

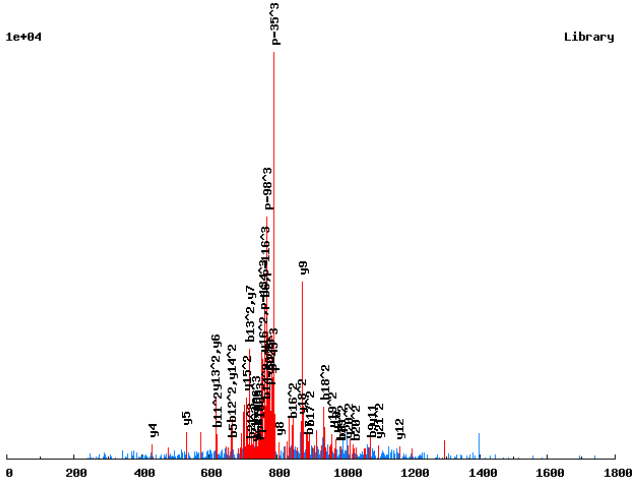


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
208.1535	104.5804	2	K[136]	11	1428.6638	**714.8355**
322.1965	161.6019	3	N	10	**1292.5546**	**646.7809**
489.1948	245.1011	4	S[167]	9	**1178.5117**	589.7595
586.2476	293.6274	5	P	8	**1011.5133**	506.2603
715.2902	358.1487	6	E	7	**914.4606**	457.7339
812.3430	406.6751	7	P	6	**785.4180**	393.2126
926.3859	463.6966	8	N	5	**688.3652**	344.6862
1055.4285	528.2179	9	E	4	**574.3223**	287.6648
1202.4969	**601.7521**	10	F	3	**445.2797**	223.1435
1315.5809	**658.2941**	11	L	2	**298.2113**	149.6093
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.AK$_{136}$T$_{181}$PT$_{181}$PEPSPASTVASVSTSTSK$_{136}$.S/3

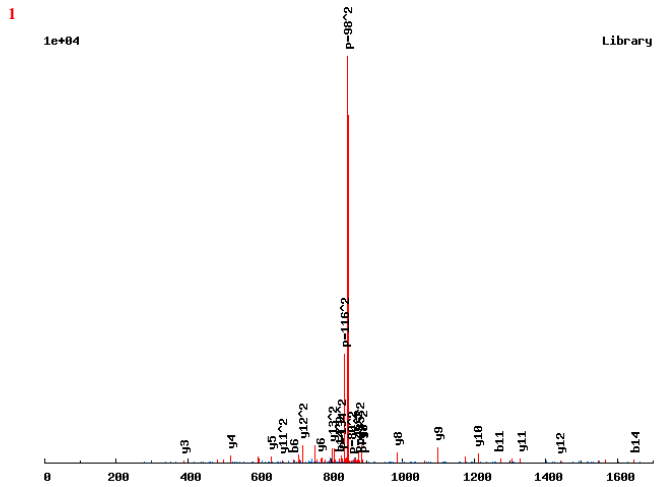
0.963



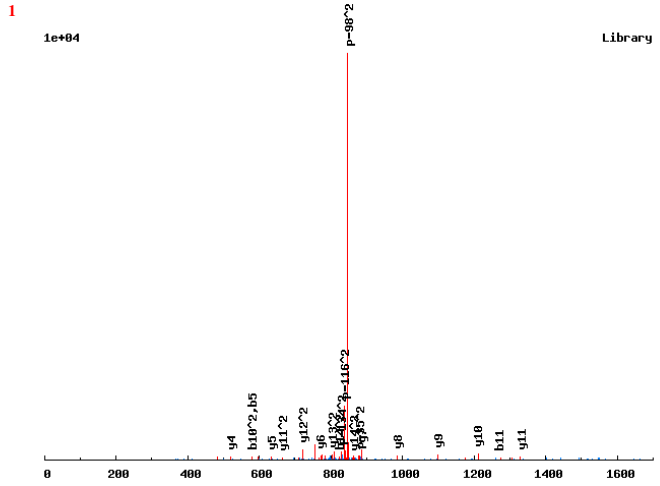
b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	23			
208.1535	104.5804	70.0560	2	K[136]	22	2336.0641	1168.5357	**779.3595**
389.1676	195.0874	130.3940	3	T[181]	21	2199.9549	**1100.4811**	**733.9898**
486.2203	243.6138	162.7450	4	P	20	2018.9409	**1009.9741**	673.6518
667.2343	334.1208	223.0830	5	T[181]	19	1921.8881	**961.4477**	641.3009
764.2871	382.6472	255.4339	6	P	18	1740.8741	**870.9407**	580.9629
893.3297	447.1685	298.4481	7	E	17	1643.8214	822.4143	548.6120
990.3824	495.6949	330.7990	8	P	16	1514.7788	**757.8930**	505.5978
1077.4145	539.2109	359.8097	9	S	15	1417.7260	**709.3666**	473.2469
1174.4672	587.7373	392.1606	10	P	14	1330.6940	**665.8506**	444.2362
1245.5043	**623.2558**	415.8396	11	A	13	1233.6412	**617.3243**	411.8853
1332.5364	**666.7718**	444.8503	12	S	12	**1162.6041**	581.8057	388.2062
1433.5841	**717.2957**	478.5329	13	T	11	**1075.5721**	538.2897	359.1955
1532.6525	**766.8299**	511.5557	14	V	10	**974.5244**	487.7658	325.5130
1603.6896	802.3484	535.2347	15	A	9	**875.4560**	438.2316	292.4902
1690.7216	**845.8644**	564.2454	16	S	8	**804.4189**	402.7131	268.8111
1789.7900	**895.3986**	597.2682	17	V	7	**717.3869**	359.1971	239.8005
1876.8220	**938.9147**	626.2789	18	S	6	**618.3184**	309.6629	206.7777
1977.8697	**989.4385**	659.9614	19	T	5	**531.2864**	266.1468	177.7670
2064.9018	**1032.9545**	688.9721	20	S	4	**430.2387**	215.6230	144.0844
2165.9494	1083.4784	**722.6547**	21	T	3	343.2067	172.1070	115.0738
2252.9815	1126.9944	751.6653	22	S	2	242.1590	121.5832	81.3912
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.ALS$_{167}$LDDLVNHDENEK.V/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
185.1285	93.0679	2	L	14	1720.7425	860.8749
352.1268	176.5670	3	S[167]	13	1607.6585	**804.3329**
465.2109	233.1091	4	L	12	**1440.6601**	**720.8337**
580.2378	290.6225	5	D	11	**1327.5760**	**664.2917**
695.2648	348.1360	6	D	10	**1212.5491**	606.7782
808.3488	404.6780	7	L	9	**1097.5222**	549.2647
907.4172	454.2123	8	V	8	**984.4381**	492.7227
1021.4602	511.2337	9	N	7	**885.3697**	443.1885
1158.5191	579.7632	10	H	6	**771.3268**	386.1670
1273.5460	637.2766	11	D	5	**634.2679**	317.6376
1402.5886	701.7979	12	E	4	**519.2409**	260.1241
1516.6315	758.8194	13	N	3	**390.1983**	195.6028
1645.6741	**823.3407**	14	E	2	276.1554	138.5813
		15	K	1	147.1128	74.0600

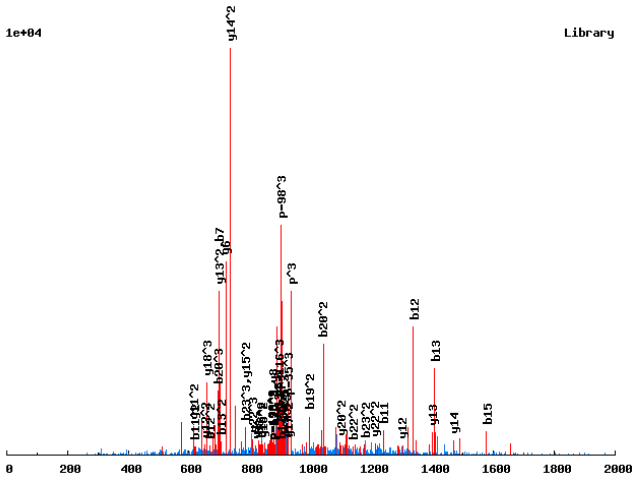


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
185.1285	93.0679	2	L	14	1720.7425	**860.8749**
352.1268	176.5670	3	S[167]	13	1607.6585	**804.3329**
465.2109	233.1091	4	L	12	1440.6601	**720.8337**
580.2378	290.6225	5	D	11	**1327.5760**	**664.2917**
695.2648	348.1360	6	D	10	**1212.5491**	606.7782
808.3488	404.6780	7	L	9	**1097.5222**	549.2647
907.4172	454.2123	8	V	8	**984.4381**	492.7227
1021.4602	511.2337	9	N	7	**885.3697**	443.1885
1158.5191	**579.7632**	10	H	6	**771.3268**	386.1670
1273.5460	637.2766	11	D	5	**634.2679**	317.6376
1402.5886	701.7979	12	E	4	**519.2409**	260.1241
1516.6315	758.8194	13	N	3	390.1983	195.6028
1645.6741	**823.3407**	14	E	2	276.1554	138.5813
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ALSNNISQES$_{167}$LVAPAPEQGVPPAIS$_{167}$R.S/3

0.999

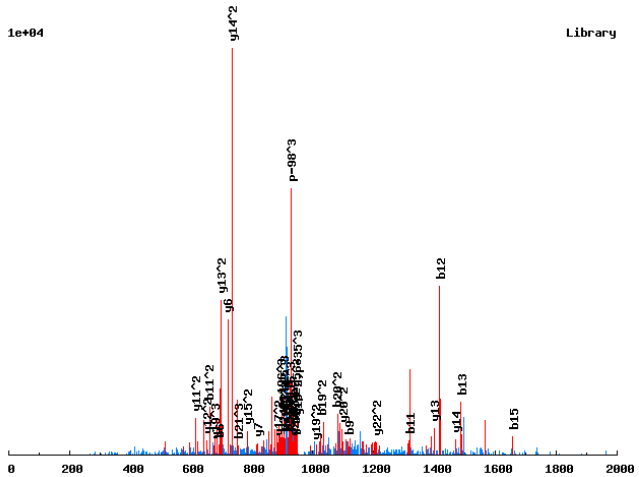


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	26			
185.1285	93.0679	62.3810	2	L	25	2734.2848	1367.6461	**912.0998**
272.1605	136.5839	91.3917	3	S	24	2621.2008	1311.1040	874.4051
386.2034	193.6053	129.4060	4	N	23	2534.1687	1267.5880	845.3944
500.2463	250.6268	167.4203	5	N	22	2420.1258	**1210.5665**	**807.3801**
613.3304	307.1688	205.1150	6	I	21	2306.0829	1153.5451	769.3658
700.3624	350.6849	234.1257	7	S	20	2192.9988	**1097.0030**	731.6711
828.4210	414.7141	276.8119	8	Q	19	2105.9668	1053.4870	702.6604
957.4636	479.2354	319.8261	9	E	18	1977.9082	989.4577	**659.9743**
1124.4620	562.7346	375.4922	10	S[167]	17	1848.8656	**924.9364**	616.9601
1237.5460	**619.2767**	413.1869	11	L	16	1681.8673	**841.4373**	561.2939
1336.6144	**668.8109**	446.2097	12	V	15	1568.7832	**784.8952**	523.5993
1407.6515	**704.3294**	469.8887	13	A	14	**1469.7148**	**735.3610**	490.5764
1504.7043	752.8558	502.2396	14	P	13	**1398.6777**	**699.8425**	466.8974
1575.7414	788.3743	525.9187	15	A	12	**1301.6249**	**651.3161**	434.5465
1672.7942	**836.9007**	558.2696	16	P	11	1230.5878	**615.7975**	410.8675
1801.8368	**901.4220**	601.2838	17	E	10	1133.5350	567.2712	378.5165
1929.8953	965.4513	643.9700	18	Q	9	1004.4925	502.7499	335.5023
1986.9168	**993.9620**	662.9771	19	G	8	**876.4339**	438.7206	292.8161
2085.9852	**1043.4962**	**695.9999**	20	V	7	**819.4124**	410.2098	273.8090
2183.0380	1092.0226	728.3508	21	P	6	**720.3440**	360.6756	240.7862
2280.0907	**1140.5490**	760.7018	22	P	5	623.2912	312.1493	208.4353
2351.1278	**1176.0676**	**784.3808**	23	A	4	526.2385	263.6229	176.0843
2464.2119	1232.6096	822.0755	24	I	3	455.2014	228.1043	152.4053
2631.2103	1316.1088	**877.7416**	25	S[167]	2	342.1173	171.5623	114.7106
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.ALS$_{167}$NNIS$_{167}$QESLVAPAPEQGVPPAIS$_{167}$R.S/3

0.9811

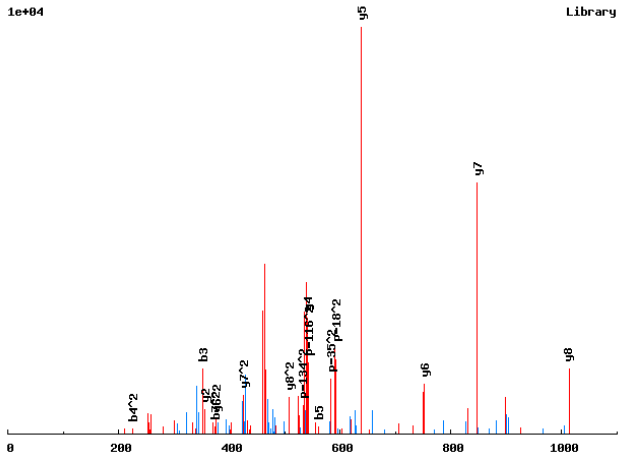


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	26			
185.1285	93.0679	62.3810	2	L	25	2814.2512	1407.6292	**938.7552**
352.1268	176.5670	118.0471	3	S[167]	24	2701.1671	1351.0872	**901.0606**
466.1697	233.5885	156.0614	4	N	23	2534.1687	1267.5880	845.3944
580.2127	290.6100	194.0757	5	N	22	2420.1258	**1210.5665**	807.3801
693.2967	347.1520	231.7704	6	I	21	2306.0829	1153.5451	769.3658
860.2951	430.6512	287.4366	7	S[167]	20	2192.9988	**1097.0030**	731.6711
988.3537	494.6805	330.1227	8	Q	19	2026.0005	**1013.5039**	**676.0050**
1117.3963	559.2018	373.1369	9	E	18	1897.9419	**949.4746**	633.3188
1204.4283	602.7178	402.1476	10	S	17	1768.8993	**884.9533**	590.3046
1317.5124	**659.2598**	439.8423	11	L	16	1681.8673	841.4373	561.2939
1416.5808	708.7940	472.8651	12	V	15	1568.7832	**784.8952**	523.5993
1487.6179	744.3126	496.5441	13	A	14	**1469.7148**	**735.3610**	490.5764
1584.6706	792.8390	528.8951	14	P	13	**1398.6777**	**699.8425**	466.8974
1655.7077	828.3575	552.5741	15	A	12	1301.6249	**651.3161**	434.5465
1752.7605	876.8839	584.9250	16	P	11	1230.5878	**615.7975**	410.8675
1881.8031	**941.4052**	627.9392	17	E	10	1133.5350	567.2712	378.5165
2009.8617	1005.4345	670.6254	18	Q	9	1004.4925	502.7499	335.5023
2066.8831	**1033.9452**	689.6326	19	G	8	876.4339	438.7206	292.8161
2165.9515	**1083.4794**	722.6554	20	V	7	**819.4124**	410.2098	273.8090
2263.0043	1132.0058	**755.0063**	21	P	6	**720.3440**	360.6756	240.7862
2360.0571	1180.5322	787.3572	22	P	5	623.2912	312.1493	208.4353
2431.0942	1216.0507	811.0362	23	A	4	526.2385	263.6229	176.0843
2544.1782	1272.5928	848.7309	24	I	3	455.2014	228.1043	152.4053
2711.1766	1356.0919	**904.3971**	25	S[167]	2	342.1173	171.5623	114.7106
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.ALS$_{167}$PIPSPT$_{181}$R.N/2

0.7838

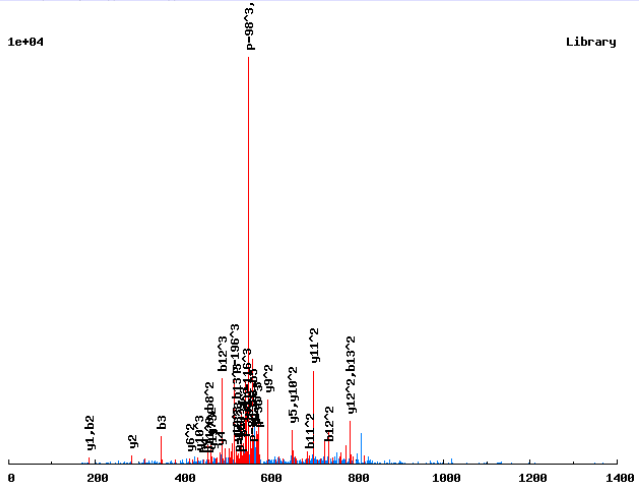


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	10		
185.1285	93.0679	2	L	9	1127.4898	564.2485
352.1268	176.5670	3	S[167]	8	**1014.4057**	**507.7065**
449.1796	**225.0934**	4	P	7	**847.4073**	**424.2073**
562.2636	281.6355	5	I	6	**750.3546**	**375.6809**
659.3164	330.1618	6	P	5	**637.2705**	319.1389
746.3484	**373.6779**	7	S	4	**540.2178**	270.6125
843.4012	422.2042	8	P	3	453.1857	227.0965
1024.4152	512.7112	9	T[181]	2	**356.1330**	178.5701
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.ALS$_{167}$PIPS$_{167}$PT$_{181}$R$_{166}$NSVR$_{166}$.N/3

0.6549

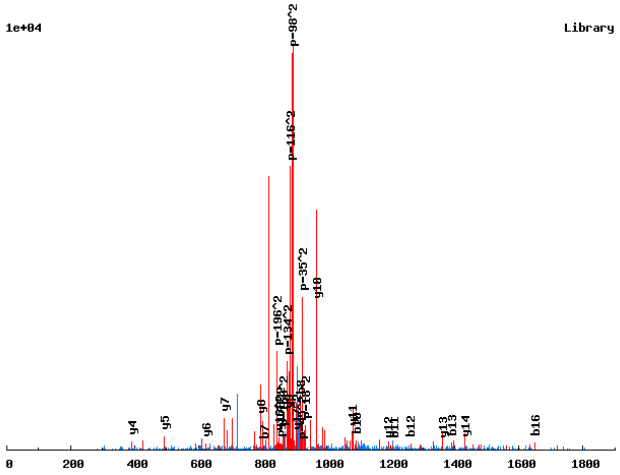


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	14			
185.1285	93.0679	62.3810	2	L	13	1683.7171	842.3622	**561.9106**
352.1268	176.5670	118.0471	3	S[167]	12	1570.6330	**785.8202**	**524.2159**
449.1796	225.0934	150.3980	4	P	11	1403.6347	**702.3210**	**468.5497**
562.2636	281.6355	188.0927	5	I	10	1306.5819	**653.7946**	**436.1988**
659.3164	330.1618	220.4437	6	P	9	1193.4979	**597.2526**	398.5041
826.3148	413.6610	276.1098	7	S[167]	8	1096.4451	**548.7262**	366.1532
923.3675	**462.1874**	308.4607	8	P	7	929.4467	**465.2270**	310.4871
1104.3815	**552.6944**	368.7987	9	T[181]	6	832.3940	**416.7006**	278.1362
1270.4909	635.7491	424.1685	10	R[166]	5	**651.3800**	326.1936	217.7982
1384.5338	**692.7706**	**462.1828**	11	N	4	**485.2706**	243.1389	162.4284
1471.5659	**736.2866**	**491.1935**	12	S	3	371.2277	186.1175	124.4141
1570.6343	**785.8208**	**524.2163**	13	V	2	**284.1956**	142.6015	95.4034
			14	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.ALS$_{167}$TAS$_{167}$LISSNGQTSASK.N/2

0.9998

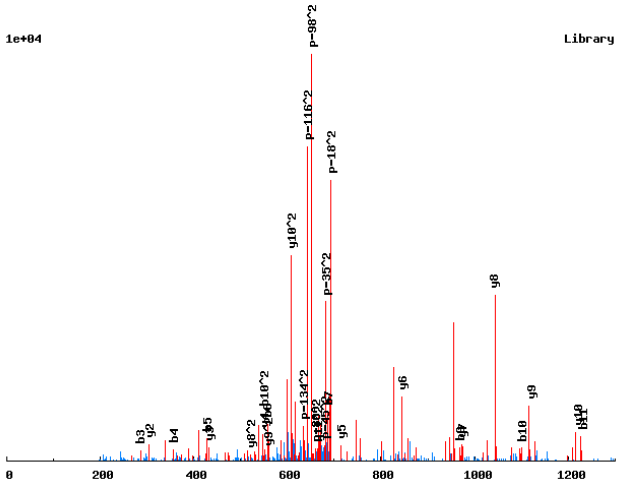


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	18		
185.1285	93.0679	2	L	17	1811.7824	**906.3948**
352.1268	176.5670	3	S[167]	16	1698.6983	**849.8528**
453.1745	227.0909	4	T	15	1531.7000	766.3536
524.2116	262.6094	5	A	14	**1430.6523**	715.8298
691.2100	346.1086	6	S[167]	13	**1359.6152**	680.3112
804.2940	402.6507	7	L	12	**1192.6168**	596.8120
917.3781	459.1927	8	I	11	**1079.5327**	540.2700
1004.4101	502.7087	9	S	10	**966.4487**	483.7280
1091.4421	546.2247	10	S	9	**879.4167**	440.2120
1205.4851	603.2462	11	N	8	**792.3846**	396.6960
1262.5065	631.7569	12	G	7	**678.3417**	339.6745
1390.5651	695.7862	13	Q	6	**621.3202**	311.1638
1491.6128	746.3100	14	T	5	**493.2617**	247.1345
1578.6448	789.8261	15	S	4	**392.2140**	196.6106
1649.6819	825.3446	16	A	3	305.1819	153.0946
1736.7140	868.8606	17	S	2	234.1448	117.5761
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ALTAAEES$_{167}$DEER.I/2

1

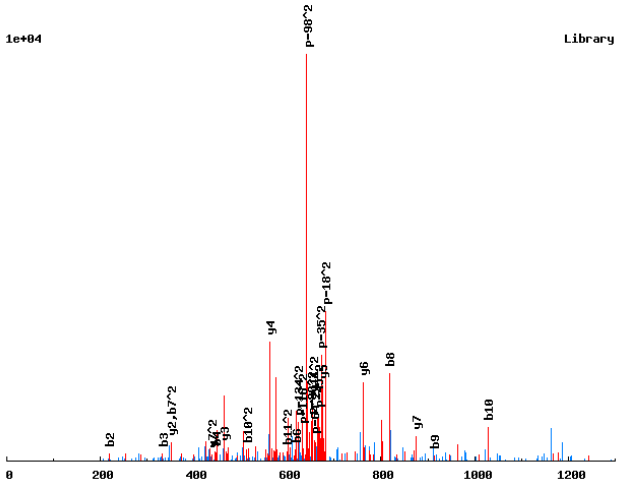


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
185.1285	93.0679	2	L	11	1329.5206	**665.2639**
286.1761	143.5917	3	T	10	**1216.4365**	**608.7219**
357.2132	179.1103	4	A	9	**1115.3888**	**558.1981**
428.2503	214.6288	5	A	8	**1044.3517**	**522.6795**
557.2929	279.1501	6	E	7	**973.3146**	487.1609
686.3355	343.6714	7	E	6	**844.2720**	422.6397
853.3339	427.1706	8	S[167]	5	**715.2294**	358.1184
968.3608	484.6841	9	D	4	**548.2311**	274.6192
1097.4034	**549.2054**	10	E	3	**433.2041**	217.1057
1226.4460	613.7266	11	E	2	**304.1615**	152.5844
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.AM$_{147}$DNGLSLPIS$_{167}$R$_{166}$.N/2

0.8322

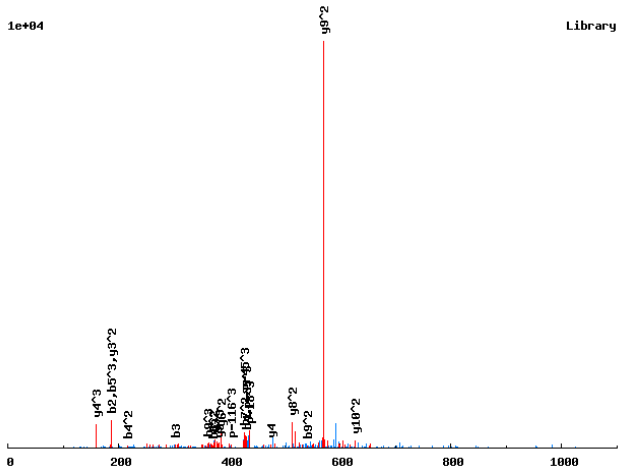


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
219.0798	110.0435	2	M[147]	11	1308.5893	**654.7983**
334.1067	167.5570	3	D	10	1161.5539	581.2806
448.1497	224.5785	4	N	9	1046.5269	523.7671
505.1711	253.0892	5	G	8	932.4840	466.7456
618.2552	309.6312	6	L	7	**875.4626**	**438.2349**
705.2872	**353.1472**	7	S	6	**762.3785**	381.6929
818.3713	409.6893	8	L	5	**675.3465**	338.1769
915.4240	458.2157	9	P	4	**562.2624**	281.6348
1028.5081	**514.7577**	10	I	3	**465.2096**	233.1085
1195.5065	**598.2569**	11	S[167]	2	**352.1256**	176.5664
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.ANDKQT$_{181}$IVKVK.N/3

0.7249

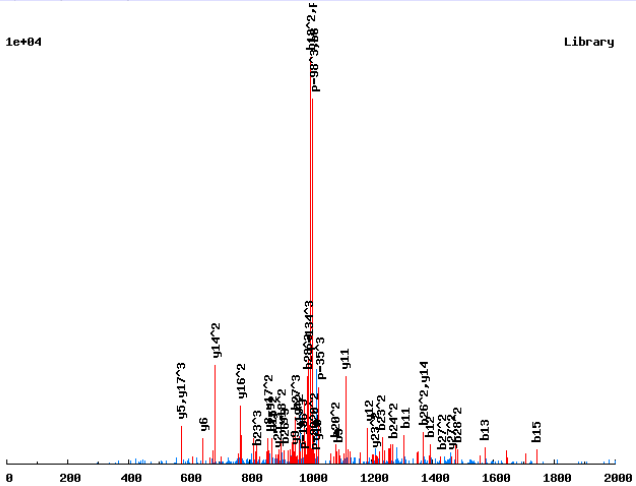


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	11			
186.0873	93.5473	62.7006	2	N	10	1252.6661	**626.8367**	418.2269
301.1143	151.0608	101.0429	3	D	9	1138.6231	**569.8152**	**380.2126**
429.2092	**215.1082**	143.7413	4	K	8	1023.5962	**512.3017**	341.8703
557.2678	279.1375	**186.4275**	5	Q	7	895.5012	448.2543	299.1719
738.2818	**369.6445**	246.7655	6	T[181]	6	767.4427	**384.2250**	256.4857
851.3659	**426.1866**	284.4601	7	I	5	586.4286	293.7180	196.1477
950.4343	475.7208	317.4829	8	V	4	**473.3446**	237.1759	**158.4530**
1078.5292	**539.7683**	**360.1813**	9	K	3	**374.2762**	**187.6417**	125.4302
1177.5977	589.3025	393.2041	10	V	2	246.1812	123.5942	82.7319
			11	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ANKKS$_{167}$SET$_{181}$SPDST$_{181}$PAPSAPASTNAPTNNK.E/3

0.9978

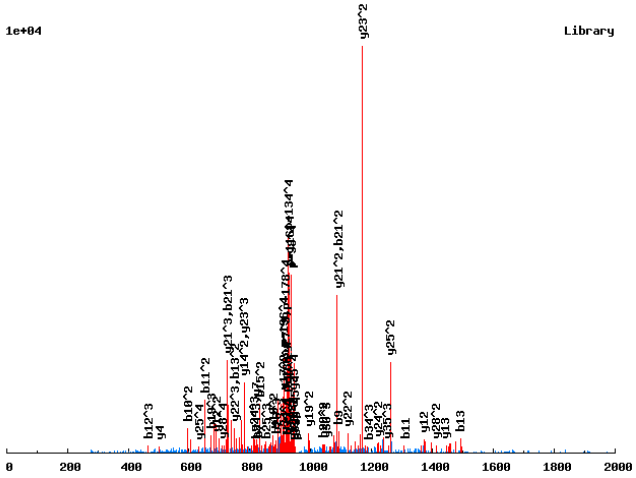


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	29			
186.0873	93.5473	62.7006	2	N	28	3039.2381	1520.1227	1013.7509
314.1823	157.5948	105.3989	3	K	27	2925.1952	**1463.1012**	975.7366
442.2772	221.6423	148.0973	4	K	26	2797.1002	1399.0537	933.0383
609.2756	305.1414	203.7634	5	S[167]	25	2669.0053	1335.0063	**890.3399**
696.3076	348.6575	232.7741	6	S	24	2502.0069	1251.5071	834.6738
825.3502	413.1788	275.7883	7	E	23	2414.9749	**1207.9911**	805.6631
1006.3642	503.6858	336.1263	8	T[181]	22	2285.9323	1143.4698	762.6489
1093.3963	547.2018	365.1369	9	S	21	2104.9183	1052.9628	702.3109
1190.4490	595.7282	397.4879	10	P	20	2017.8862	**1009.4468**	673.3003
1305.4760	653.2416	435.8302	11	D	19	1920.8335	**960.9204**	640.9493
1392.5080	696.7576	464.8409	12	S	18	1805.8065	**903.4069**	602.6070
1573.5220	787.2646	525.1789	13	T[181]	17	1718.7745	**859.8909**	**573.5964**
1670.5748	835.7910	557.5298	14	P	16	1537.7605	**769.3839**	513.2583
1741.6119	**871.3096**	581.2088	15	A	15	1440.7077	720.8575	480.9074
1838.6646	919.8360	613.5597	16	P	14	**1369.6706**	**685.3389**	457.2284
1925.6967	963.3520	642.5704	17	S	13	1272.6179	636.8126	424.8775
1996.7338	**998.8705**	666.2494	18	A	12	**1185.5858**	593.2966	395.8668
2093.7865	1047.3969	698.6004	19	P	11	**1114.5487**	557.7780	372.1878
2164.8236	**1082.9155**	722.2794	20	A	10	**1017.4960**	509.2516	339.8368
2251.8557	1126.4315	751.2901	21	S	9	**946.4588**	473.7331	316.1578
2352.9034	1176.9553	784.9726	22	T	8	**859.4268**	430.2171	287.1471
2466.9463	**1233.9768**	**822.9869**	23	N	7	758.3791	379.6932	253.4646
2537.9834	**1269.4953**	846.6660	24	A	6	**644.3362**	322.6717	215.4503
2635.0362	1318.0217	879.0169	25	P	5	**573.2991**	287.1532	191.7712
2736.0838	**1368.5456**	**912.6995**	26	T	4	476.2463	238.6268	159.4203
2850.1268	**1425.5670**	**950.7138**	27	N	3	375.1987	188.1030	125.7377
2964.1697	**1482.5885**	**988.7281**	28	N	2	261.1557	131.0815	87.7234
			29	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ANKKSS$_{167}$ET$_{181}$SPDSTPAPSAPASTNAPTNNKETSPEEK.K/4

0.773

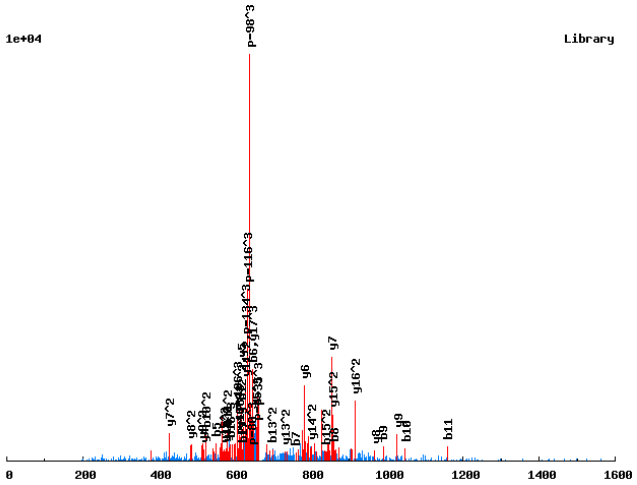


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
72.0444	36.5258	24.6863	18.7666	1	A	36				
186.0873	93.5473	62.7006	47.2773	2	N	35	3759.6270	1880.3171	**1253.8805**	**940.6622**
314.1823	157.5948	105.3989	79.3010	3	K	34	3645.5840	1823.2957	1215.8662	**912.1515**
442.2772	221.6423	148.0973	111.3248	4	K	33	3517.4891	1759.2482	1173.1679	880.1277
529.3093	265.1583	177.1079	133.0828	5	S	32	3389.3941	1695.2007	1130.4696	848.1040
696.3076	348.6575	232.7741	174.8324	6	S[167]	31	3302.3621	1651.6847	1101.4589	826.3460
825.3502	413.1788	275.7883	207.0930	7	E	30	3135.3637	1568.1855	**1045.7928**	784.5964
1006.3642	503.6858	336.1263	252.3465	8	T[181]	29	3006.3211	1503.6642	1002.7786	752.3357
1093.3963	547.2018	365.1369	274.1045	9	S	28	2825.3071	**1413.1572**	**942.4406**	**707.0822**
1190.4490	**595.7282**	397.4879	298.3677	10	P	27	2738.2751	1369.6412	**913.4299**	685.3242
1305.4760	**653.2416**	435.8302	327.1245	11	D	26	2641.2223	1321.1148	881.0790	661.0610
1392.5080	696.7576	**464.8409**	348.8825	12	S	25	2526.1954	**1263.6013**	842.7367	**632.3043**
1493.5557	**747.2815**	498.5234	374.1444	13	T	24	2439.1634	**1220.0853**	**813.7260**	610.5463
1590.6084	795.8079	530.8743	398.4076	14	P	23	2338.1157	**1169.5615**	**780.0434**	585.2844
1661.6455	**831.3264**	554.5534	416.1668	15	A	22	2241.0629	**1121.0351**	**747.6925**	561.0212
1758.6983	879.8528	586.9043	440.4300	16	P	21	2170.0258	**1085.5165**	**724.0135**	543.2619
1845.7303	**923.3688**	615.9150	462.1880	17	S	20	2072.9731	1036.9902	691.6625	518.9987
1916.7674	958.8874	639.5940	479.9473	18	A	19	1985.9410	**993.4742**	662.6519	497.2407
2013.8202	1007.4137	**671.9449**	504.2105	19	P	18	1914.9039	957.9556	638.9728	479.4814
2084.8573	**1042.9323**	695.6240	521.9698	20	A	17	1817.8512	**909.4292**	606.6219	455.2183
2171.8893	**1086.4483**	**724.6346**	543.7278	21	S	16	1746.8140	**873.9107**	582.9429	437.4590
2272.9370	1136.9722	758.3172	568.9897	22	T	15	1659.7820	830.3946	553.9322	415.7010
2386.9800	1193.9936	796.3315	597.5004	23	N	14	1558.7343	**779.8708**	520.2496	390.4390
2458.0171	1229.5122	**820.0105**	615.2597	24	A	13	**1444.6914**	722.8493	482.2353	361.9283
2555.0698	1278.0386	**852.3615**	639.5229	25	P	12	**1373.6543**	**687.3308**	458.5563	344.1690
2656.1175	1328.5624	**886.0440**	664.7848	26	T	11	1276.6015	638.8044	426.2054	319.9058
2770.1604	1385.5839	924.0583	693.2956	27	N	10	1175.5539	588.2806	392.5228	294.6439
2884.2034	1442.6053	962.0726	721.8063	28	N	9	1061.5109	531.2591	354.5085	266.1332
3012.2983	1506.6528	1004.7710	753.8300	29	K	8	**947.4680**	474.2376	316.4942	237.6225
3141.3409	1571.1741	1047.7852	786.0907	30	E	7	**819.3730**	410.1902	273.7959	205.5987
3242.3886	1621.6979	1081.4677	811.3526	31	T	6	690.3305	345.6689	230.7817	173.3381
3329.4206	1665.2140	1110.4784	833.1106	32	S	5	589.2828	295.1450	197.0991	148.0762
3426.4734	1713.7403	1142.8293	857.3738	33	P	4	**502.2507**	251.6290	168.0884	126.3181
3555.5160	1778.2616	**1185.8435**	889.6345	34	E	3	405.1980	203.1026	135.7375	102.0550
3684.5586	1842.7829	1228.8577	**921.8951**	35	E	2	276.1554	138.5813	92.7233	69.7943
				36	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.ANLDK$_{136}$PITEGIAS$_{167}$PT$_{181}$SPK$_{136}$.S/3

0.9998

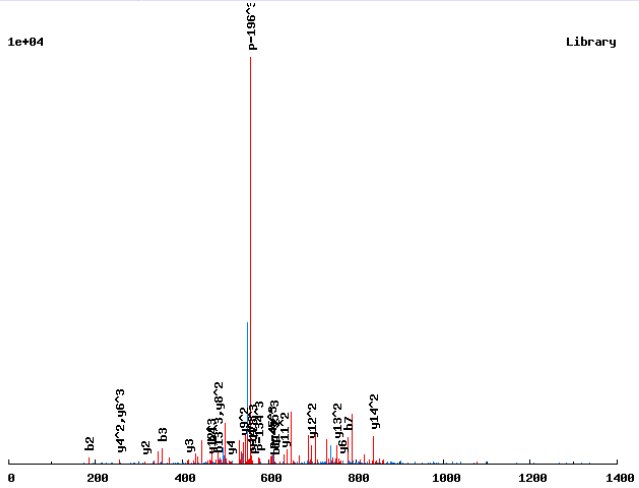


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	18			
186.0873	93.5473	62.7006	2	N	17	1943.9097	972.4585	**648.6414**
299.1714	150.0893	100.3953	3	L	16	1829.8668	**915.4370**	**610.6271**
414.1983	207.6028	138.7376	4	D	15	1716.7827	**858.8950**	**572.9324**
550.3075	275.6574	184.1073	5	K[136]	14	1601.7558	**801.3815**	534.5901
647.3602	324.1838	216.4583	6	P	13	1465.6466	**733.3270**	489.2204
760.4443	380.7258	254.1530	7	I	12	1368.5939	684.8006	456.8695
861.4920	431.2496	287.8355	8	T	11	1255.5098	**628.2586**	419.1748
990.5346	495.7709	330.8497	9	E	10	1154.4621	**577.7347**	385.4922
1047.5560	**524.2817**	349.8569	10	G	9	**1025.4196**	**513.2134**	342.4780
1160.6401	**580.8237**	387.5515	11	I	8	**968.3981**	**484.7027**	323.4709
1231.6772	**616.3422**	411.2306	12	A	7	**855.3140**	**428.1607**	285.7762
1398.6756	**699.8414**	466.8967	13	S[167]	6	**784.2769**	392.6421	262.0972
1495.7283	748.3678	499.2476	14	P	5	**617.2786**	309.1429	206.4310
1676.7423	**838.8748**	559.5856	15	T[181]	4	**520.2258**	260.6165	174.0801
1763.7744	882.3908	**588.5963**	16	S	3	339.2118	170.1095	113.7421
1860.8271	930.9172	**620.9472**	17	P	2	252.1798	126.5935	84.7314
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.ANS$_{167}$DEPSDAEKKPVS$_{167}$K.L/3

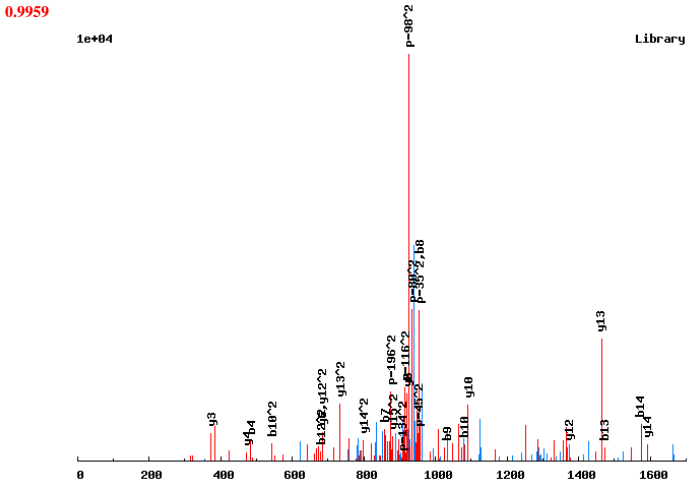
0.7223



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	16			
186.0873	93.5473	62.7006	2	N	15	1790.7245	895.8659	597.5797
353.0857	177.0465	118.3667	3	S[167]	14	1676.6816	**838.8444**	**559.5654**
468.1126	234.5600	156.7091	4	D	13	1509.6832	**755.3452**	503.8993
597.1552	299.0812	199.7233	5	E	12	1394.6563	**697.8318**	**465.5569**
694.2080	347.6076	232.0742	6	P	11	1265.6137	**633.3105**	422.5427
781.2400	391.1236	261.0849	7	S	10	1168.5609	584.7841	390.1918
896.2669	448.6371	299.4272	8	D	9	1081.5289	**541.2681**	361.1812
967.3041	484.1557	323.1062	9	A	8	966.5020	**483.7546**	322.8388
1096.3466	548.6770	366.1204	10	E	7	895.4648	448.2361	299.1598
1224.4416	**612.7244**	408.8187	11	K	6	**766.4223**	383.7148	**256.1456**
1352.5366	676.7719	451.5170	12	K	5	638.3273	319.6673	213.4473
1449.5893	725.2983	**483.8680**	13	P	4	**510.2323**	**255.6198**	170.7490
1548.6577	774.8325	516.8908	14	V	3	**413.1796**	207.0934	138.3980
1715.6561	858.3317	572.5569	15	S[167]	2	**314.1112**	157.5592	105.3752
			16	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.ANS$_{167}$EPPT$_{181}$PAGT$_{181}$PNVPTR.R/2

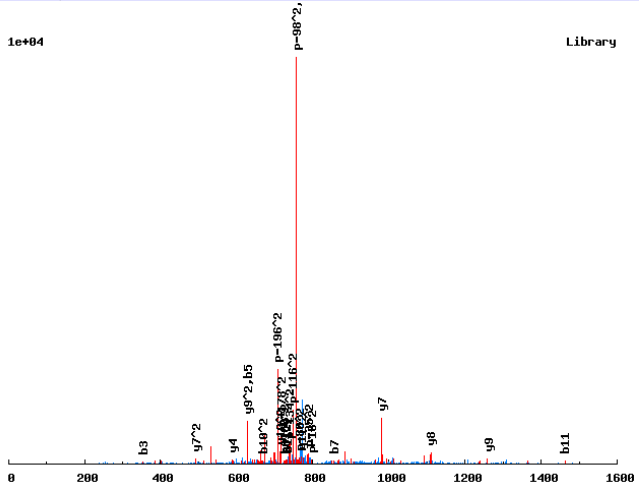


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	17		
186.0873	93.5473	2	N	16	1874.7122	937.8598
353.0857	177.0465	3	S[167]	15	1760.6693	**880.8383**
482.1283	241.5678	4	E	14	**1593.6710**	**797.3391**
579.1810	290.0942	5	P	13	**1464.6284**	**732.8178**
676.2338	338.6205	6	P	12	**1367.5756**	**684.2914**
857.2478	429.1275	7	T[181]	11	1270.5228	635.7651
954.3006	477.6539	8	P	10	**1089.5088**	545.2581
1025.3377	513.1725	9	A	9	992.4561	496.7317
1082.3591	**541.6832**	10	G	8	**921.4190**	461.2131
1263.3731	632.1902	11	T[181]	7	864.3975	432.7024
1360.4259	**680.7166**	12	P	6	**683.3835**	342.1954
1474.4688	737.7381	13	N	5	586.3307	293.6690
1573.5372	787.2723	14	V	4	**472.2878**	236.6475
1670.5900	835.7986	15	P	3	**373.2194**	187.1133
1771.6377	886.3225	16	T	2	276.1666	138.5870
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.ANS$_{167}$FEPQS$_{167}$WQKK.V/2

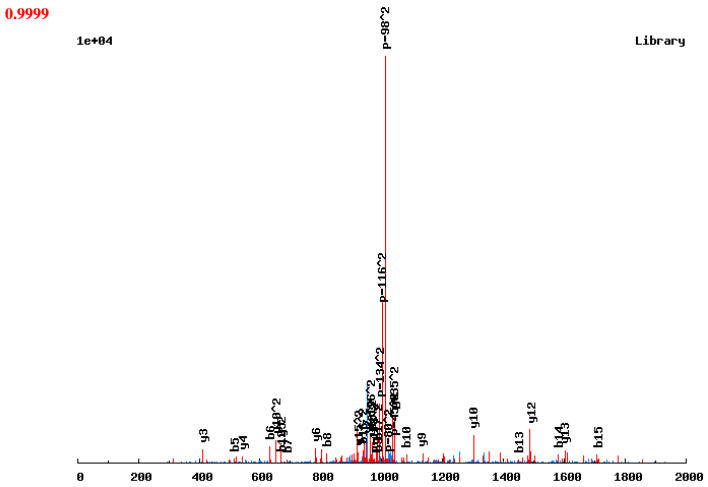
0.9815



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
186.0873	93.5473	2	N	11	1538.6076	**769.8075**
353.0857	177.0465	3	S[167]	10	1424.5647	**712.7860**
500.1541	250.5807	4	F	9	**1257.5664**	**629.2868**
629.1967	315.1020	5	E	8	**1110.4979**	555.7526
726.2494	363.6284	6	P	7	**981.4554**	**491.2313**
854.3080	427.6577	7	Q	6	884.4026	442.7049
1021.3064	511.1568	8	S[167]	5	**756.3440**	378.6756
1207.3857	604.1965	9	W	4	**589.3457**	295.1765
1335.4443	**668.2258**	10	Q	3	403.2663	202.1368
1463.5392	**732.2733**	11	K	2	275.2078	138.1075
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ANSNEDGES$_{167}$VSS$_{167}$IQES$_{167}$PK.I/2

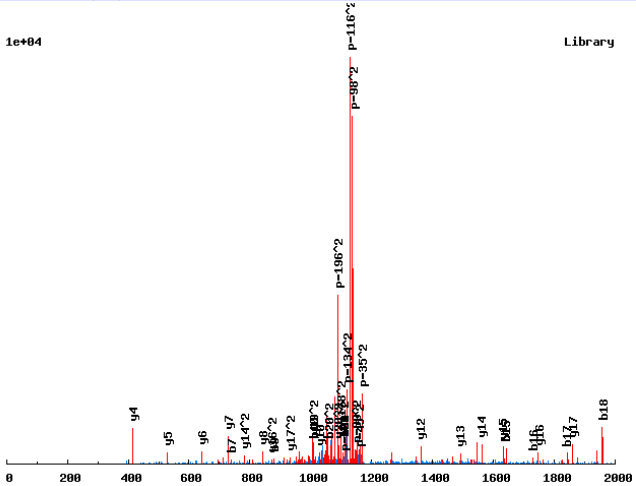


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	18		
186.0873	93.5473	2	N	17	2046.6978	1023.8525
273.1193	137.0633	3	S	16	1932.6549	**966.8311**
387.1623	194.0848	4	N	15	1845.6228	**923.3151**
516.2049	258.6061	5	E	14	1731.5799	866.2936
631.2318	316.1195	6	D	13	**1602.5373**	801.7723
688.2533	344.6303	7	G	12	**1487.5104**	744.2588
817.2959	409.1516	8	E	11	1430.4889	715.7481
984.2942	492.6508	9	S[167]	10	**1301.4463**	**651.2268**
1083.3626	542.1850	10	V	9	**1134.4480**	567.7276
1170.3947	585.7010	11	S	8	**1035.3795**	518.1934
1337.3930	**669.2002**	12	S[167]	7	**948.3475**	474.6774
1450.4771	725.7422	13	I	6	**781.3492**	391.1782
1578.5357	789.7715	14	Q	5	**668.2651**	334.6362
1707.5783	854.2928	15	E	4	**540.2065**	270.6069
1874.5766	**937.7919**	16	S[167]	3	**411.1639**	206.0856
1971.6294	**986.3183**	17	P	2	244.1656	122.5864
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ANS$_{167}$SANLAAKS$_{167}$S$_{167}$TSLSNLPAVK.E/2

0.9999

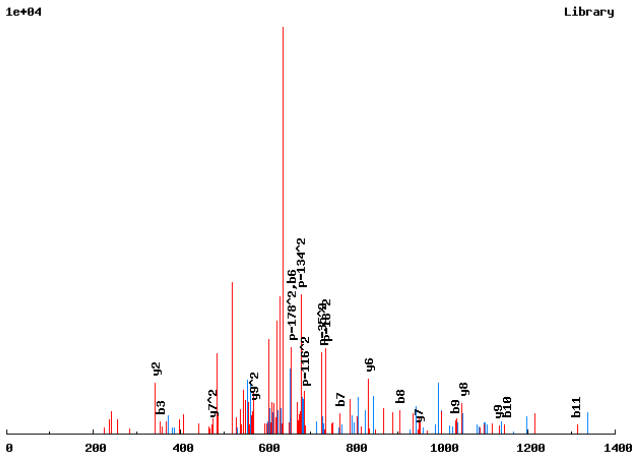


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	22		
186.0873	93.5473	2	N	21	2299.9972	1150.5022
353.0857	177.0465	3	S[167]	20	2185.9543	**1093.4808**
440.1177	220.5625	4	S	19	2018.9559	**1009.9816**
511.1548	256.0811	5	A	18	1931.9239	966.4656
625.1978	313.1025	6	N	17	**1860.8868**	**930.9470**
738.2818	369.6445	7	L	16	**1746.8438**	**873.9256**
809.3189	405.1631	8	A	15	**1633.7598**	817.3835
880.3560	440.6817	9	A	14	**1562.7227**	**781.8650**
1008.4510	504.7291	10	K	13	**1491.6856**	746.3464
1175.4494	588.2283	11	S[167]	12	**1363.5906**	682.2989
1342.4477	671.7275	12	S[167]	11	1196.5922	598.7998
1443.4954	722.2513	13	T	10	**1029.5939**	515.3006
1530.5274	765.7674	14	S	9	928.5462	464.7767
1643.6115	822.3094	15	L	8	**841.5142**	421.2607
1730.6435	865.8254	16	S	7	**728.4301**	364.7187
1844.6864	922.8469	17	N	6	**641.3981**	321.2027
1957.7705	979.3889	18	L	5	**527.3551**	264.1812
2054.8233	1027.9153	19	P	4	**414.2711**	207.6392
2125.8604	**1063.4338**	20	A	3	317.2183	159.1128
2224.9288	**1112.9680**	21	V	2	246.1812	123.5942
		22	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ANS$_{167}$STLIHQLS$_{167}$R.Q/2

0.9781

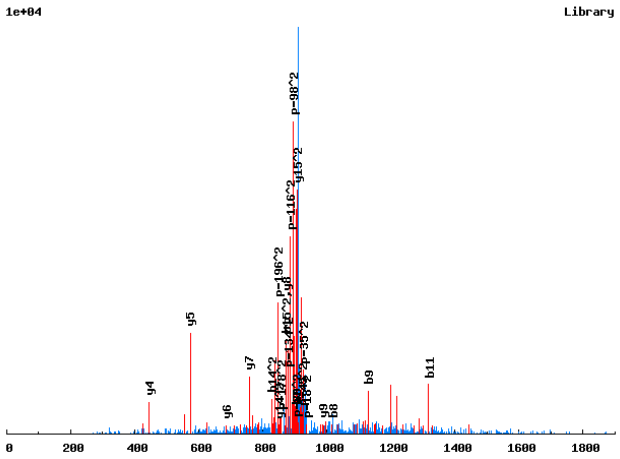


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
186.0873	93.5473	2	N	11	1415.6080	708.3076
353.0857	177.0465	3	S[167]	10	1301.5651	651.2862
440.1177	220.5625	4	S	9	**1134.5667**	**567.7870**
541.1654	271.0863	5	T	8	**1047.5347**	524.2710
654.2495	327.6284	6	L	7	**946.4870**	**473.7471**
767.3335	384.1704	7	I	6	**833.4029**	417.2051
904.3924	452.6999	8	H	5	720.3189	360.6631
1032.4510	516.7291	9	Q	4	583.2600	292.1336
1145.5351	573.2712	10	L	3	455.2014	228.1043
1312.5334	656.7704	11	S[167]	2	**342.1173**	171.5623
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.ANSS$_{167}$T$_{181}$TT$_{181}$LDAIKPNSK.N/2

0.9683

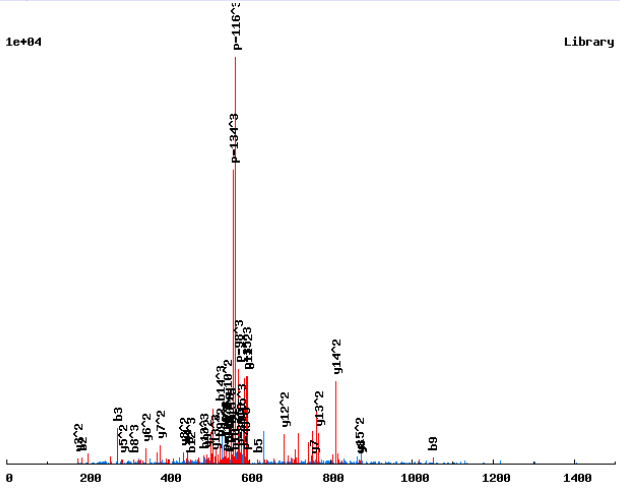


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	16		
186.0873	93.5473	2	N	15	1816.7167	**908.8620**
273.1193	137.0633	3	S	14	1702.6737	**851.8405**
440.1177	220.5625	4	S[167]	13	1615.6417	808.3245
621.1317	311.0695	5	T[181]	12	1448.6434	724.8253
722.1794	361.5933	6	T	11	1267.6293	634.3183
903.1934	452.1003	7	T[181]	10	1166.5817	583.7945
1016.2775	508.6424	8	L	9	**985.5677**	493.2875
1131.3044	566.1558	9	D	8	**872.4836**	436.7454
1202.3415	601.6744	10	A	7	**757.4567**	379.2320
1315.4256	658.2164	11	I	6	**686.4195**	343.7134
1443.5205	722.2639	12	K	5	**573.3355**	287.1714
1540.5733	770.7903	13	P	4	**445.2405**	223.1239
1654.6162	**827.8118**	14	N	3	348.1878	174.5975
1741.6483	**871.3278**	15	S	2	234.1448	117.5761
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.ANSS$_{167}$T$_{181}$TTLDAIKPNSK.N/3

0.9958

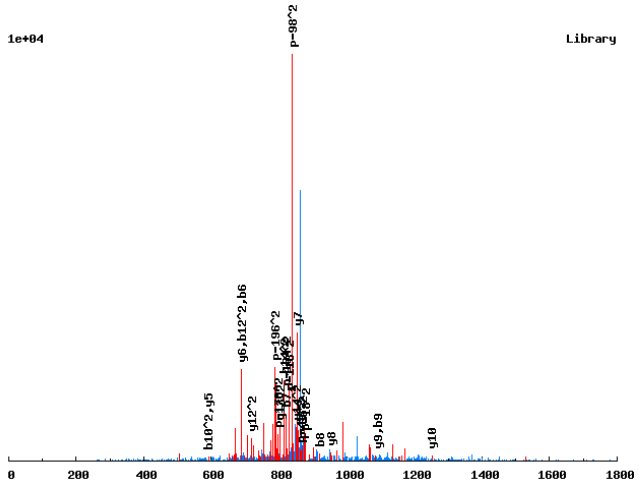


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	16			
186.0873	93.5473	62.7006	2	N	15	1736.7503	**868.8788**	**579.5883**
273.1193	137.0633	91.7113	3	S	14	1622.7074	**811.8573**	**541.5740**
440.1177	220.5625	147.3774	4	S[167]	13	1535.6754	**768.3413**	**512.5633**
621.1317	311.0695	207.7154	5	T[181]	12	1368.6770	**684.8422**	456.8972
722.1794	361.5933	241.3980	6	T	11	1187.6630	**594.3351**	396.5592
823.2271	412.1172	275.0805	7	T	10	1086.6153	**543.8113**	362.8766
936.3111	468.6592	**312.7752**	8	L	9	985.5677	**493.2875**	329.1941
1051.3381	**526.1727**	351.1175	9	D	8	**872.4836**	**436.7454**	291.4994
1122.3752	**561.6912**	374.7966	10	A	7	**757.4567**	**379.2320**	253.1571
1235.4593	618.2333	412.4913	11	I	6	686.4195	**343.7134**	229.4780
1363.5542	682.2807	**455.1896**	12	K	5	**573.3355**	**287.1714**	191.7833
1460.6070	730.8071	**487.5405**	13	P	4	**445.2405**	223.1239	149.0850
1574.6499	787.8286	**525.5548**	14	N	3	348.1878	**174.5975**	116.7341
1661.6819	831.3446	**554.5655**	15	S	2	234.1448	117.5761	78.7198
			16	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.APS$_{167}$SVS$_{167}$MVS$_{167}$PPPLHK.N/2

0.6402

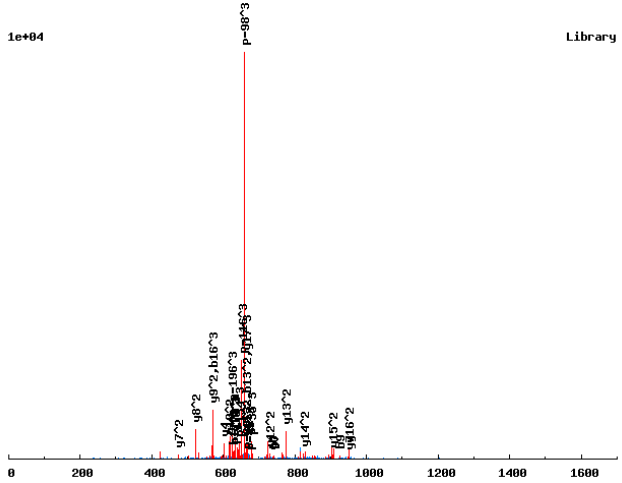


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
169.0972	85.0522	2	P	14	1702.6712	**851.8393**
336.0955	168.5514	3	S[167]	13	1605.6185	**803.3129**
423.1275	212.0674	4	S	12	1438.6201	**719.8137**
522.1960	261.6016	5	V	11	1351.5881	676.2977
689.1943	345.1008	6	S[167]	10	**1252.5197**	626.7635
820.2348	410.6210	7	M	9	**1085.5213**	543.2643
919.3032	460.1552	8	V	8	**954.4808**	477.7441
1086.3016	543.6544	9	S[167]	7	**855.4124**	428.2098
1183.3543	**592.1808**	10	P	6	**688.4141**	344.7107
1280.4071	640.7072	11	P	5	**591.3613**	296.1843
1377.4599	**689.2336**	12	P	4	494.3085	247.6579
1490.5439	745.7756	13	L	3	397.2558	199.1315
1627.6028	**814.3051**	14	H	2	284.1717	142.5895
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.APSS$_{167}$VSMVSPPPLHK$_{136}$NS$_{167}$R$_{166}$.V/3

0.6411

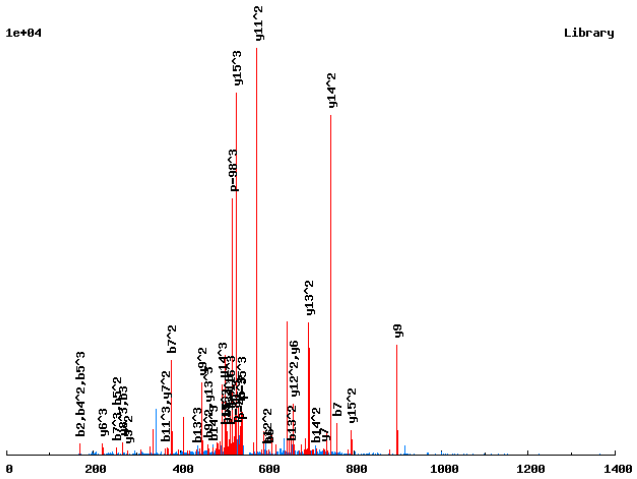


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	18			
169.0972	85.0522	57.0372	2	P	17	1997.9034	999.4554	**666.6393**
256.1292	128.5682	86.0479	3	S	16	1900.8507	**950.9290**	**634.2884**
423.1275	212.0674	141.7140	4	S[167]	15	1813.8187	**907.4130**	605.2777
522.1960	261.6016	174.7368	5	V	14	1646.8203	**823.9138**	549.6116
609.2280	305.1176	203.7475	6	S	13	1547.7519	**774.3796**	516.5888
740.2685	370.6379	247.4277	7	M	12	1460.7198	**730.8636**	487.5781
839.3369	420.1721	280.4505	8	V	11	1329.6794	**665.3433**	443.8980
926.3689	463.6881	309.4612	9	S	10	1230.6109	**615.8091**	410.8752
1023.4217	512.2145	341.8121	10	P	9	1143.5789	**572.2931**	381.8645
1120.4744	560.7409	374.1630	11	P	8	1046.5262	**523.7667**	349.5136
1217.5272	609.2672	406.5139	12	P	7	**949.4734**	**475.2403**	317.1627
1330.6113	**665.8093**	444.2086	13	L	6	852.4206	426.7140	284.8117
1467.6702	734.3387	489.8949	14	H	5	**739.3366**	370.1719	247.1170
1603.7793	802.3933	535.2646	15	K[136]	4	**602.2777**	301.6425	201.4307
1717.8222	859.4148	**573.2789**	16	N	3	466.1685	233.5879	156.0610
1884.8206	942.9139	**628.9451**	17	S[167]	2	352.1256	176.5664	118.0467
			18	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.APVAS$_{167}$PRPAATPNLSK.D/3

0.9994

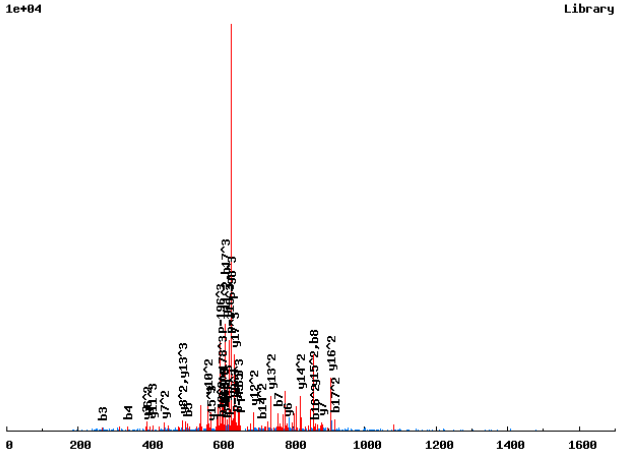


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	16			
169.0972	85.0522	57.0372	2	P	15	1585.8098	**793.4085**	**529.2748**
268.1656	134.5864	90.0600	3	V	14	1488.7570	**744.8821**	**496.9239**
339.2027	**170.1050**	113.7391	4	A	13	1389.6886	**695.3479**	**463.9010**
506.2010	**253.6042**	**169.4052**	5	S[167]	12	1318.6515	**659.8294**	440.2220
603.2538	302.1305	201.7561	6	P	11	1151.6531	**576.3302**	384.5559
759.3549	**380.1811**	**253.7898**	7	R	10	1054.6003	527.8038	352.2050
856.4077	428.7075	286.1407	8	P	9	**898.4992**	**449.7533**	300.1713
927.4448	**464.2260**	309.8198	9	A	8	801.4465	401.2269	**267.8203**
998.4819	499.7446	333.4988	10	A	7	**730.4094**	**365.7083**	244.1413
1099.5296	550.2684	**367.1814**	11	T	6	**659.3723**	330.1898	**220.4623**
1196.5823	**598.7948**	399.5323	12	P	5	558.3246	**279.6659**	186.7797
1310.6253	**655.8163**	**437.5466**	13	N	4	461.2718	231.1395	154.4288
1423.7093	**712.3583**	**475.2413**	14	L	3	347.2289	174.1181	116.4145
1510.7413	755.8743	**504.2520**	15	S	2	234.1448	117.5761	78.7198
			16	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.APVAS$_{167}$PRPAATPNLS$_{167}$KDK.K/3

0.9976

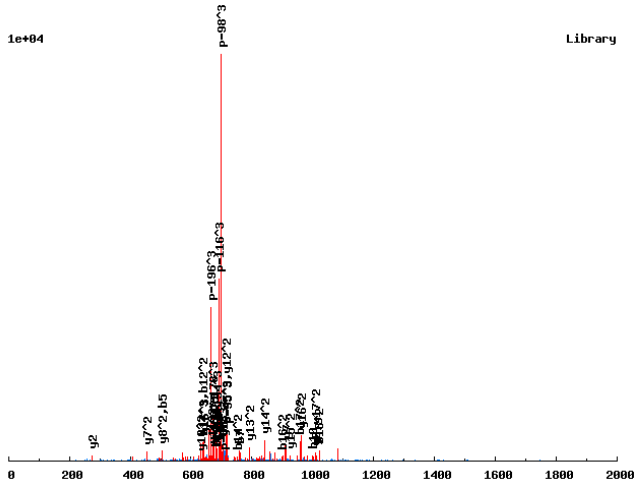


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	18			
169.0972	85.0522	57.0372	2	P	17	1908.8980	954.9526	**636.9708**
268.1656	134.5864	90.0600	3	V	16	1811.8452	**906.4263**	**604.6199**
339.2027	170.1050	113.7391	4	A	15	1712.7768	**856.8920**	**571.5971**
506.2010	253.6042	169.4052	5	S[167]	14	1641.7397	**821.3735**	547.9181
603.2538	302.1305	201.7561	6	P	13	1474.7413	**737.8743**	**492.2520**
759.3549	380.1811	253.7898	7	R	12	1377.6886	**689.3479**	459.9010
856.4077	428.7075	286.1407	8	P	11	1221.5875	**611.2974**	**407.8673**
927.4448	464.2260	309.8198	9	A	10	1124.5347	**562.7710**	375.5164
998.4819	499.7446	333.4988	10	A	9	1053.4976	527.2524	351.8374
1099.5296	550.2684	367.1814	11	T	8	982.4605	**491.7339**	328.1584
1196.5823	**598.7948**	399.5323	12	P	7	**881.4128**	**441.2100**	294.4758
1310.6253	655.8163	437.5466	13	N	6	**784.3601**	**392.6837**	262.1249
1423.7093	**712.3583**	475.2413	14	L	5	670.3171	335.6622	224.1106
1590.7077	795.8575	530.9074	15	S[167]	4	557.2331	279.1202	186.4159
1718.8026	**859.9050**	573.6057	16	K	3	**390.2347**	195.6210	130.7498
1833.8296	**917.4184**	**611.9480**	17	D	2	262.1397	131.5735	88.0514
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.APVAS$_{167}$PRPAAT$_{181}$PNLS$_{167}$KDKK.K/3

0.8922

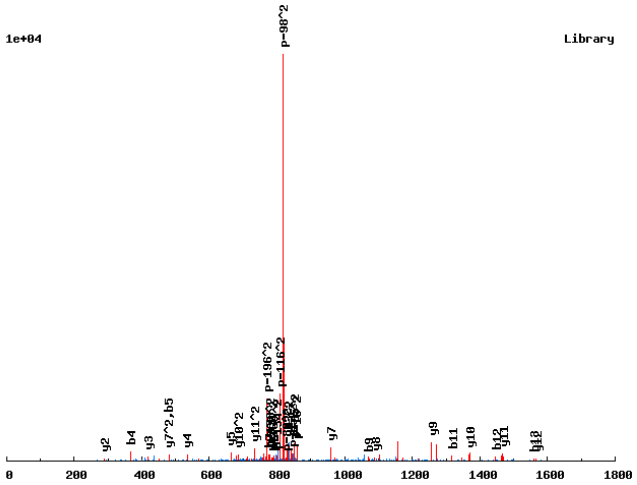


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
169.0972	85.0522	57.0372	2	P	18	2116.9593	1058.9833	**706.3246**
268.1656	134.5864	90.0600	3	V	17	2019.9065	**1010.4569**	**673.9737**
339.2027	170.1050	113.7391	4	A	16	1920.8381	**960.9227**	**640.9509**
506.2010	253.6042	169.4052	5	S[167]	15	1849.8010	**925.4041**	617.2719
603.2538	302.1305	201.7561	6	P	14	1682.8026	**841.9050**	561.6057
759.3549	380.1811	253.7898	7	R	13	1585.7499	**793.3786**	529.2548
856.4077	428.7075	286.1407	8	P	12	1429.6488	**715.3280**	477.2211
927.4448	464.2260	309.8198	9	A	11	1332.5960	**666.8016**	444.8702
998.4819	499.7446	333.4988	10	A	10	1261.5589	**631.2831**	421.1912
1179.4959	590.2516	393.8368	11	T[181]	9	1190.5218	595.7645	397.5121
1276.5487	**638.7780**	426.1877	12	P	8	**1009.5078**	**505.2575**	337.1741
1390.5916	**695.7994**	464.2020	13	N	7	**912.4550**	**456.7311**	304.8232
1503.6756	**752.3415**	501.8967	14	L	6	798.4121	399.7097	266.8089
1670.6740	835.8406	557.5629	15	S[167]	5	**685.3280**	343.1677	229.1142
1798.7690	**899.8881**	600.2612	16	K	4	518.3297	259.6685	173.4481
1913.7959	**957.4016**	**638.6035**	17	D	3	390.2347	195.6210	130.7498
2041.8909	**1021.4491**	**681.3018**	18	K	2	**275.2078**	138.1075	92.4074
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

M.APVVIS$_{167}$ES$_{167}$EEDEDR.V/2

0.6583

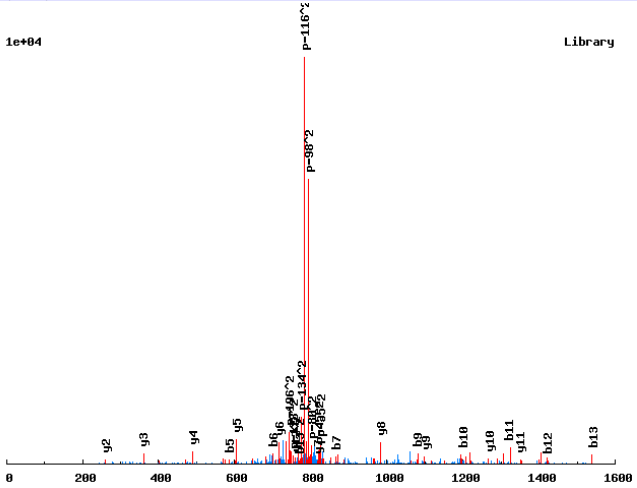


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	14		
169.0972	85.0522	2	P	13	1663.6136	**832.3104**
268.1656	134.5864	3	V	12	**1566.5608**	**783.7840**
367.2340	184.1206	4	V	11	**1467.4924**	**734.2498**
480.3180	240.6627	5	I	10	**1368.4240**	**684.7156**
647.3164	324.1618	6	S[167]	9	**1255.3399**	628.1736
776.3590	388.6831	7	E	8	**1088.3416**	544.6744
943.3573	472.1823	8	S[167]	7	**959.2990**	**480.1531**
1072.3999	536.7036	9	E	6	**792.3006**	396.6539
1201.4425	601.2249	10	E	5	**663.2580**	332.1326
1316.4695	658.7384	11	D	4	**534.2154**	267.6114
1445.5121	723.2597	12	E	3	**419.1885**	210.0979
1560.5390	780.7731	13	D	2	**290.1459**	145.5766
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.APYSS$_{167}$NS$_{167}$TLNEVNK.R/2

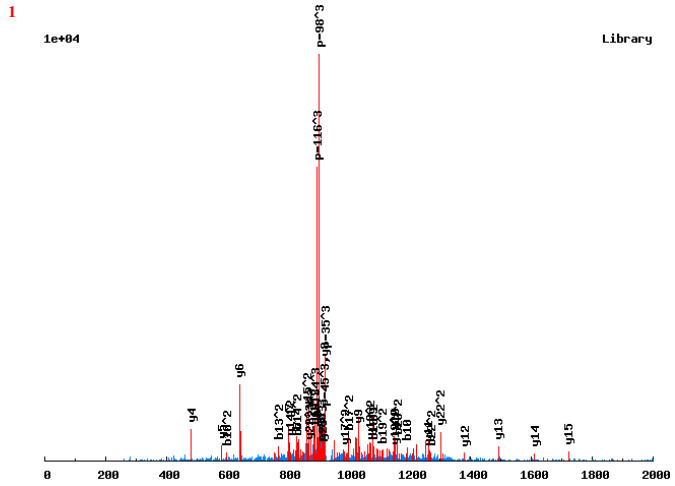
0.9996



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	14		
169.0972	85.0522	2	P	13	1612.6292	806.8182
332.1605	166.5839	3	Y	12	1515.5764	**758.2918**
419.1925	210.0999	4	S	11	**1352.5131**	676.7602
586.1909	293.5991	5	S[167]	10	**1265.4811**	633.2442
700.2338	350.6205	6	N	9	**1098.4827**	549.7450
867.2322	434.1197	7	S[167]	8	**984.4398**	492.7235
968.2798	484.6436	8	T	7	**817.4414**	409.2243
1081.3639	541.1856	9	L	6	**716.3937**	358.7005
1195.4068	598.2071	10	N	5	**603.3097**	302.1585
1324.4494	662.7284	11	E	4	**489.2667**	245.1370
1423.5178	712.2626	12	V	3	**360.2241**	180.6157
1537.5608	**769.2840**	13	N	2	**261.1557**	131.0815
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.AQSGS$_{167}$RYTFDDDDDDDDYGTGYSR.N/3

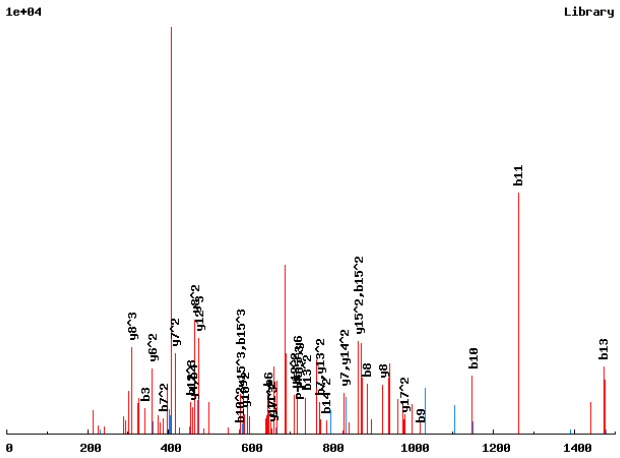


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	24			
200.1030	100.5551	67.3725	2	Q	23	2729.9747	1365.4910	**910.6631**
287.1350	144.0711	96.3832	3	S	22	2601.9161	**1301.4617**	**867.9769**
344.1565	172.5819	115.3903	4	G	21	2514.8841	1257.9457	838.9662
511.1548	256.0811	171.0565	5	S[167]	20	2457.8627	1229.4350	819.9591
667.2559	334.1316	223.0902	6	R	19	2290.8643	**1145.9358**	764.2929
830.3193	415.6633	277.4446	7	Y	18	2134.7632	**1067.8852**	712.2592
931.3669	466.1871	311.1272	8	T	17	1971.6998	**986.3536**	657.9048
1078.4354	539.7213	360.1500	9	F	16	1870.6522	935.8297	624.2222
1193.4623	**597.2348**	398.4923	10	D	15	**1723.5838**	**862.2955**	575.1994
1308.4892	654.7483	436.8346	11	D	14	**1608.5568**	**804.7820**	536.8571
1423.5162	712.2617	475.1769	12	D	13	**1493.5299**	747.2686	498.5148
1538.5431	**769.7752**	513.5192	13	D	12	**1378.5029**	689.7551	460.1725
1653.5701	**827.2887**	551.8615	14	D	11	**1263.4760**	632.2416	421.8302
1768.5970	**884.8021**	590.2039	15	D	10	**1148.4491**	574.7282	383.4879
1883.6239	942.3156	628.5462	16	D	9	**1033.4221**	517.2147	345.1456
1998.6509	**999.8291**	666.8885	17	D	8	**918.3952**	459.7012	306.8032
2161.7142	**1081.3607**	721.2429	18	Y	7	**803.3682**	402.1878	268.4609
2218.7357	**1109.8715**	740.2501	19	G	6	**640.3049**	320.6561	214.1065
2319.7833	**1160.3953**	773.9326	20	T	5	**583.2835**	292.1454	195.0993
2376.8048	1188.9060	792.9398	21	G	4	**482.2358**	241.6215	161.4168
2539.8681	**1270.4377**	847.2942	22	Y	3	425.2143	213.1108	142.4096
2626.9002	1313.9537	**876.3049**	23	S	2	262.1510	131.5791	88.0552
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.ARDDADEDEEDPDTRSS$_{167}$GK.K/3

0.9015

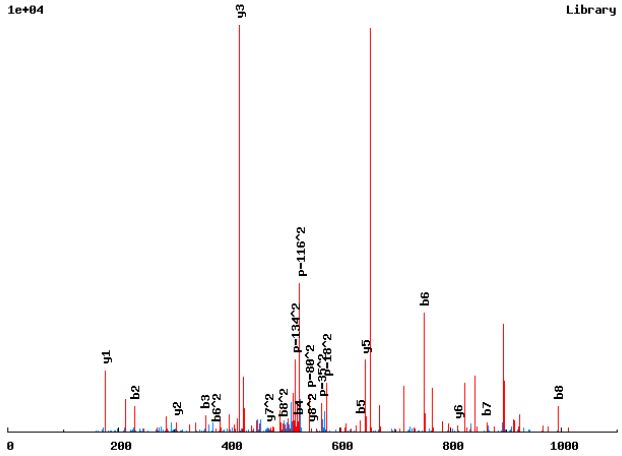


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
228.1455	114.5764	76.7200	2	R	18	2116.7938	1058.9006	706.2695
343.1724	172.0899	115.0623	3	D	17	1960.6927	**980.8500**	**654.2358**
458.1994	229.6033	153.4046	4	D	16	1845.6658	923.3365	615.8934
529.2365	265.1219	177.0837	5	A	15	1730.6388	**865.8231**	**577.5511**
644.2634	322.6354	215.4260	6	D	14	1659.6017	**830.3045**	553.8721
773.3060	**387.1567**	258.4402	7	E	13	1544.5748	**772.7910**	515.5298
888.3330	444.6701	296.7825	8	D	12	1415.5322	**708.2697**	**472.5156**
1017.3755	509.1914	339.7967	9	E	11	1300.5053	**650.7563**	434.1733
1146.4181	**573.7127**	382.8109	10	E	10	1171.4627	**586.2350**	391.1591
1261.4451	631.2262	421.1532	11	D	9	1042.4201	521.7137	348.1449
1358.4978	679.7526	**453.5041**	12	P	8	**927.3931**	**464.2002**	**309.8026**
1473.5248	**737.2660**	491.8464	13	D	7	**830.3404**	**415.6738**	277.4516
1574.5725	**787.7899**	525.5290	14	T	6	**715.3134**	**358.1604**	239.1093
1730.6736	**865.8404**	**577.5627**	15	R	5	614.2658	307.6365	205.4268
1817.7056	909.3564	606.5734	16	S	4	**458.1647**	229.5860	153.3931
1984.7040	992.8556	662.2395	17	S[167]	3	371.1326	186.0700	124.3824
2041.7254	1021.3664	681.2467	18	G	2	204.1343	102.5708	68.7163
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ARQS$_{167}$LDLER.V/2

0.9876

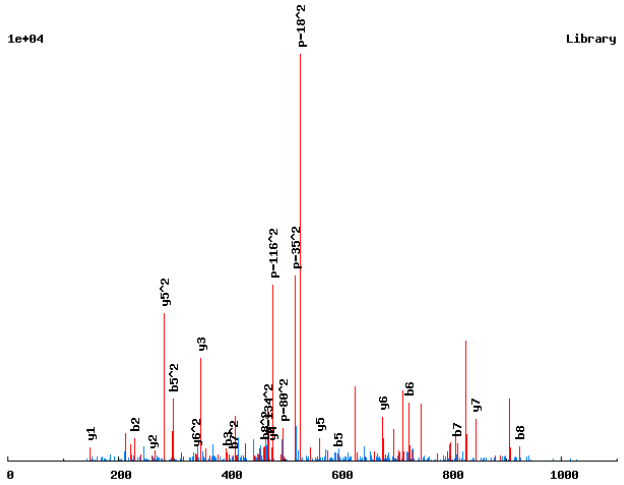


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	9		
228.1455	114.5764	2	R	8	1096.5147	**548.7610**
356.2041	178.6057	3	Q	7	940.4135	**470.7104**
523.2024	262.1049	4	S[167]	6	**812.3550**	406.6811
636.2865	318.6469	5	L	5	**645.3566**	323.1819
751.3134	**376.1604**	6	D	4	532.2725	266.6399
864.3975	432.7024	7	L	3	**417.2456**	209.1264
993.4401	**497.2237**	8	E	2	**304.1615**	152.5844
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.ARS$_{167}$LSESIK.G/2

0.8966

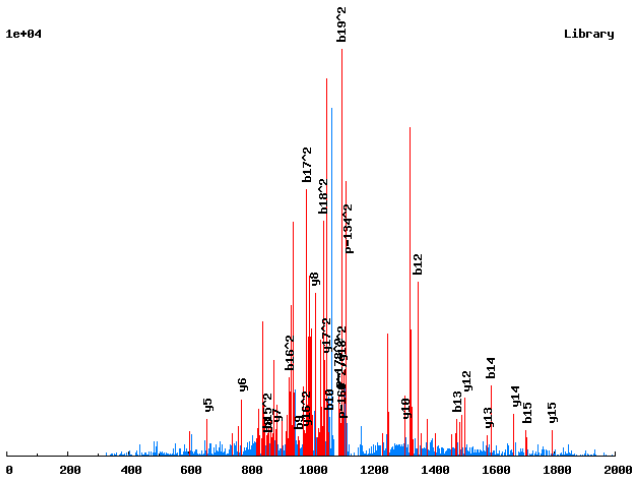


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	9		
228.1455	114.5764	2	R	8	999.4870	500.2472
395.1439	198.0756	3	S[167]	7	**843.3859**	422.1966
508.2279	254.6176	4	L	6	**676.3876**	**338.6974**
595.2600	**298.1336**	5	S	5	**563.3035**	**282.1554**
724.3025	362.6549	6	E	4	**476.2715**	238.6394
811.3346	**406.1709**	7	S	3	**347.2289**	174.1181
924.4186	**462.7130**	8	I	2	**260.1969**	130.6021
		9	K	1	**147.1128**	74.0600

Annotated spectra from Saleem et. al. 2009

K.ASDMS$_{167}$KSATPS$_{167}$KEINFDDDF.-/2

0.9063

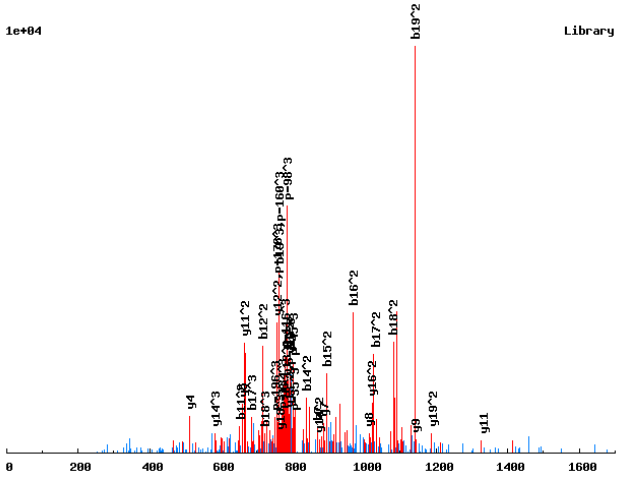


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	20		
159.0764	80.0419	2	S	19	2293.8607	1147.4340
274.1034	137.5553	3	D	18	2206.8287	**1103.9180**
405.1438	203.0756	4	M	17	2091.8018	**1046.4045**
572.1422	286.5747	5	S[167]	16	1960.7613	**980.8843**
700.2372	350.6222	6	K	15	**1793.7629**	897.3851
787.2692	394.1382	7	S	14	**1665.6680**	833.3376
858.3063	429.6568	8	A	13	**1578.6359**	789.8216
959.3540	480.1806	9	T	12	**1507.5988**	754.3031
1056.4068	528.7070	10	P	11	1406.5511	703.7792
1223.4051	612.2062	11	S[167]	10	**1309.4984**	655.2528
1351.5001	676.2537	12	K	9	1142.5000	571.7536
1480.5427	740.7750	13	E	8	**1014.4051**	507.7062
1593.6267	797.3170	14	I	7	**885.3625**	443.1849
1707.6697	**854.3385**	15	N	6	**772.2784**	386.6428
1854.7381	**927.8727**	16	F	5	**658.2355**	329.6214
1969.7650	**985.3861**	17	D	4	511.1671	256.0872
2084.7919	**1042.8996**	18	D	3	396.1401	198.5737
2199.8189	**1100.4131**	19	D	2	281.1132	141.0602
		20	F	1	166.0863	83.5468

Annotated spectra from Saleem et. al. 2009

K.ASDMS$_{167}$KS$_{167}$AT$_{181}$PSKEINFDDDF.-/3

0.9745

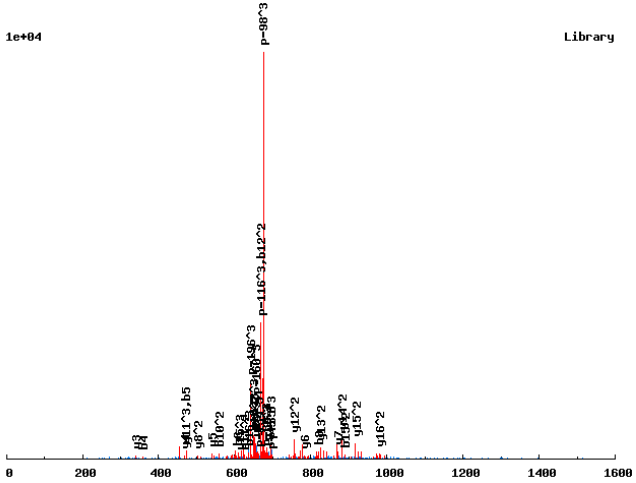


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	20			
159.0764	80.0419	53.6970	2	S	19	2373.8271	**1187.4172**	**791.9472**
274.1034	137.5553	92.0393	3	D	18	2286.7950	1143.9012	**762.9365**
405.1438	203.0756	135.7195	4	M	17	2171.7681	1086.3877	724.5942
572.1422	286.5747	191.3856	5	S[167]	16	2040.7276	**1020.8674**	680.9141
700.2372	350.6222	234.0839	6	K	15	1873.7293	937.3683	625.2479
867.2355	434.1214	289.7500	7	S[167]	14	1745.6343	**873.3208**	**582.5496**
938.2726	469.6400	313.4291	8	A	13	1578.6359	**789.8216**	526.8835
1119.2867	560.1470	373.7671	9	T[181]	12	1507.5988	**754.3031**	503.2045
1216.3394	608.6733	406.1180	10	P	11	**1326.5848**	**663.7960**	442.8665
1303.3714	**652.1894**	435.1287	11	S	10	1229.5321	615.2697	410.5155
1431.4664	**716.2368**	477.8270	12	K	9	**1142.5000**	571.7536	381.5049
1560.5090	**780.7581**	520.8412	13	E	8	**1014.4051**	507.7062	338.8065
1673.5931	**837.3002**	558.5359	14	I	7	**885.3625**	443.1849	295.7923
1787.6360	**894.3216**	596.5502	15	N	6	**772.2784**	386.6428	258.0977
1934.7044	**967.8558**	645.5730	16	F	5	**658.2355**	329.6214	220.0833
2049.7313	**1025.3693**	**683.9153**	17	D	4	**511.1671**	256.0872	171.0605
2164.7583	**1082.8828**	**722.2576**	18	D	3	396.1401	198.5737	132.7182
2279.7852	**1140.3962**	**760.5999**	19	D	2	281.1132	141.0602	94.3759
			20	F	1	166.0863	83.5468	56.0336

Annotated spectra from Saleem et. al. 2009

K.ASEALK$_{136}$PDS$_{167}$QK$_{136}$SY$_{243}$AEQGK$_{136}$.E/3

0.998

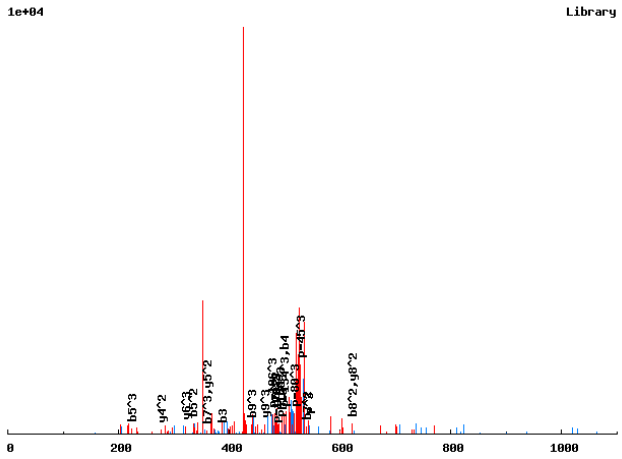


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	18			
159.0764	80.0419	53.6970	2	S	17	2049.8992	1025.4532	**683.9712**
288.1190	144.5631	96.7112	3	E	16	1962.8671	**981.9372**	**654.9606**
359.1561	180.0817	120.3902	4	A	15	1833.8246	**917.4159**	**611.9464**
472.2402	236.6237	158.0849	5	L	14	1762.7874	**881.8974**	588.2673
608.3493	304.6783	203.4546	6	K[136]	13	1649.7034	**825.3553**	550.5726
705.4021	353.2047	235.8056	7	P	12	1513.5942	**757.3008**	505.2029
820.4290	410.7182	274.1479	8	D	11	1416.5415	708.7744	**472.8520**
987.4274	494.2173	329.8140	9	S[167]	10	1301.5145	**651.2609**	434.5097
1115.4860	**558.2466**	372.5002	10	Q	9	1134.5162	567.7617	378.8436
1251.5951	**626.3012**	417.8699	11	K[136]	8	1006.4576	**503.7324**	336.1574
1338.6272	**669.8172**	446.8806	12	S	7	**870.3484**	435.6779	290.7877
1581.6568	791.3321	527.8905	13	Y[243]	6	**783.3164**	392.1618	261.7770
1652.6939	826.8506	551.5695	14	A	5	**540.2867**	270.6470	180.7671
1781.7365	**891.3719**	594.5837	15	E	4	**469.2496**	235.1285	157.0881
1909.7951	955.4012	**637.2699**	16	Q	3	**340.2070**	170.6072	114.0739
1966.8166	983.9119	656.2770	17	G	2	212.1485	106.5779	71.3877
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.AS$_{167}$FLS$_{167}$Y$_{243}$S$_{167}$S$_{167}$AS$_{167}$K.L/3

0.9437

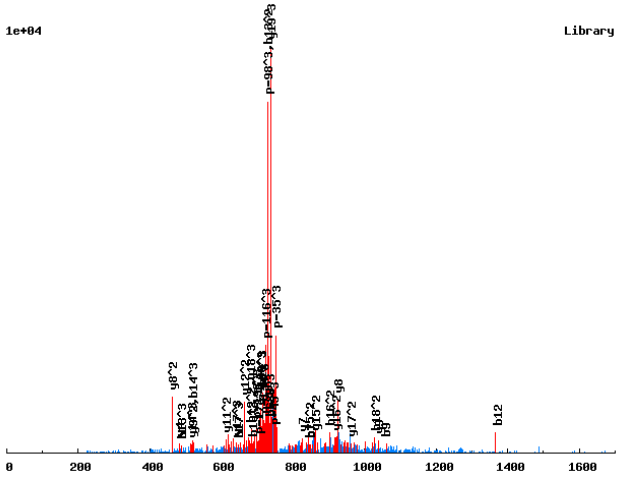


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	11			
239.0428	120.0250	80.3524	2	S[167]	10	1556.3238	778.6656	519.4461
386.1112	193.5592	129.3752	3	F	9	1389.3255	695.1664	**463.7800**
499.1952	250.1013	167.0699	4	L	8	1242.2571	**621.6322**	414.7572
666.1936	**333.6004**	**222.7360**	5	S[167]	7	1129.1730	565.0901	377.0625
909.2232	455.1153	303.7459	6	Y[243]	6	962.1747	**481.5910**	**321.3964**
1076.2216	**538.6144**	**359.4121**	7	S[167]	5	719.1450	**360.0761**	240.3865
1243.2200	**622.1136**	415.0782	8	S[167]	4	552.1466	**276.5770**	184.7204
1314.2571	657.6322	**438.7572**	9	A	3	385.1483	193.0778	129.0543
1481.2554	741.1314	**494.4233**	10	S[167]	2	314.1112	157.5592	105.3752
			11	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.AS$_{167}$KSNS$_{167}$LITSTDPVEDHISK.Y/3

0.8955

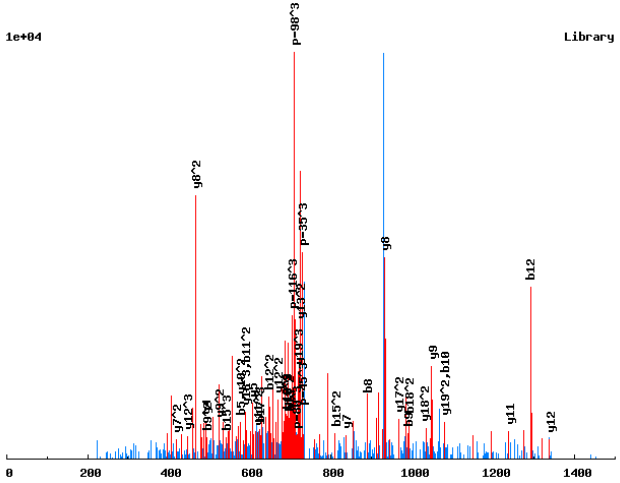


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	20			
239.0428	120.0250	80.3524	2	S[167]	19	2217.9676	1109.4874	**739.9941**
367.1377	184.0725	123.0508	3	K	18	2050.9692	1025.9883	**684.3279**
454.1697	227.5885	152.0614	4	S	17	1922.8743	**961.9408**	**641.6296**
568.2127	284.6100	190.0757	5	N	16	1835.8422	**918.4248**	612.6189
735.2110	368.1092	245.7419	6	S[167]	15	1721.7993	**861.4033**	574.6046
848.2951	424.6512	283.4366	7	L	14	1554.8009	777.9041	**518.9385**
961.3792	481.1932	321.1312	8	I	13	1441.7169	721.3621	481.2438
1062.4268	531.7171	354.8138	9	T	12	1328.6328	**664.8201**	443.5491
1149.4589	575.2331	383.8245	10	S	11	1227.5851	**614.2962**	409.8666
1250.5065	625.7569	417.5070	11	T	10	1140.5531	570.7802	380.8559
1365.5335	**683.2704**	455.8493	12	D	9	**1039.5054**	**520.2564**	347.1733
1462.5862	**731.7968**	**488.2003**	13	P	8	**924.4785**	**462.7429**	308.8310
1561.6547	781.3310	**521.2231**	14	V	7	**827.4257**	414.2165	276.4801
1690.6972	**845.8523**	564.2373	15	E	6	**728.3573**	364.6823	243.4573
1805.7242	**903.3657**	602.5796	16	D	5	599.3147	300.1610	200.4431
1942.7831	971.8952	**648.2659**	17	H	4	**484.2878**	242.6475	162.1008
2055.8672	**1028.4372**	**685.9606**	18	I	3	347.2289	174.1181	116.4145
2142.8992	1071.9532	**714.9712**	19	S	2	234.1448	117.5761	78.7198
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ASK$_{136}$S$_{167}$NSLITSTDPVEDHISK$_{136}$.Y/3

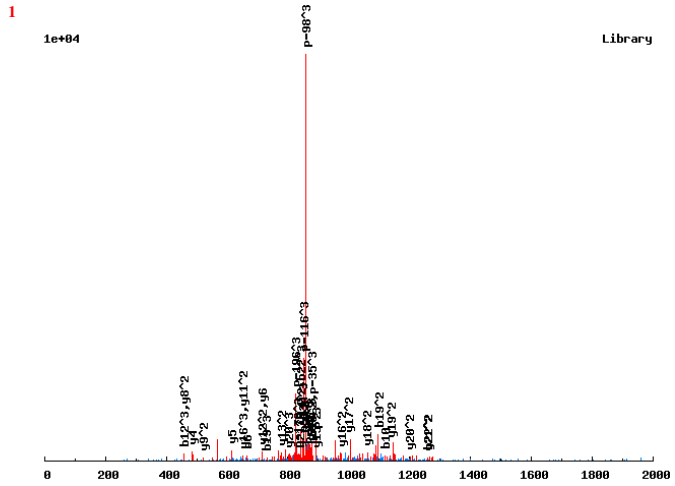
0.8277



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	20			
159.0764	80.0419	53.6970	2	S	19	2154.0297	**1077.5185**	**718.6814**
295.1856	148.0964	99.0667	3	K[136]	18	2066.9976	**1034.0025**	**689.6707**
462.1839	231.5956	154.7328	4	S[167]	17	1930.8885	**965.9479**	644.3010
576.2269	288.6171	192.7471	5	N	16	1763.8901	882.4487	**588.6349**
663.2589	332.1331	221.7578	6	S	15	1649.8472	825.4272	550.6206
776.3430	388.6751	259.4525	7	L	14	1562.8151	781.9112	521.6099
889.4270	445.2172	297.1472	8	I	13	1449.7311	**725.3692**	483.9152
990.4747	**495.7410**	330.8298	9	T	12	**1336.6470**	**668.8272**	**446.2205**
1077.5067	539.2570	359.8404	10	S	11	**1235.5993**	**618.3033**	412.5380
1178.5544	**589.7808**	393.5230	11	T	10	1148.5673	**574.7873**	383.5273
1293.5813	**647.2943**	431.8653	12	D	9	**1047.5196**	**524.2635**	349.8447
1390.6341	**695.8207**	464.2162	13	P	8	**932.4927**	**466.7500**	311.5024
1489.7025	745.3549	497.2390	14	V	7	**835.4399**	**418.2236**	279.1515
1618.7451	**809.8762**	**540.2532**	15	E	6	736.3715	368.6894	246.1287
1733.7721	867.3897	578.5955	16	D	5	**607.3289**	304.1681	203.1145
1870.8310	935.9191	**624.2818**	17	H	4	**492.3020**	246.6546	164.7722
1983.9150	**992.4611**	661.9765	18	I	3	355.2431	178.1252	119.0859
2070.9470	1035.9772	**690.9872**	19	S	2	242.1590	121.5832	81.3912
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.ASNIS$_{167}$LGS$_{167}$VEQQQQQSITKPQNK.S/3

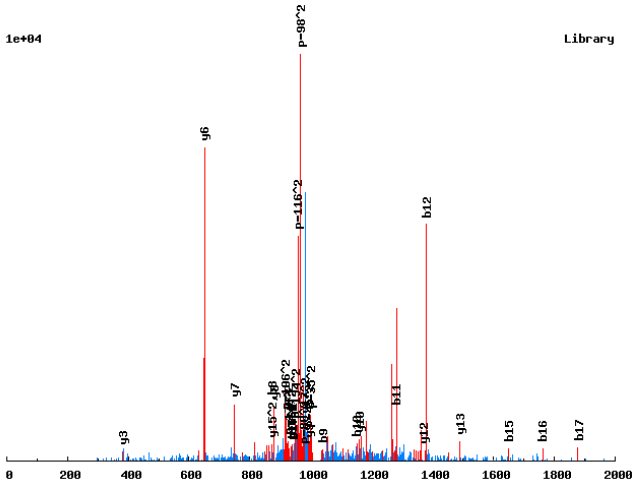


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	23			
159.0764	80.0419	53.6970	2	S	22	2602.1910	1301.5991	**868.0685**
273.1193	137.0633	91.7113	3	N	21	2515.1589	**1258.0831**	**839.0578**
386.2034	193.6053	129.4060	4	I	20	2401.1160	**1201.0616**	**801.0435**
553.2018	277.1045	185.0721	5	S[167]	19	2288.0319	**1144.5196**	763.3488
666.2858	333.6466	222.7668	6	L	18	2121.0336	**1061.0204**	707.6827
723.3073	362.1573	241.7740	7	G	17	2007.9495	**1004.4784**	669.9880
890.3057	445.6565	297.4401	8	S[167]	16	1950.9281	**975.9677**	**650.9809**
989.3741	495.1907	330.4629	9	V	15	1783.9297	**892.4685**	595.3148
1118.4167	559.7120	373.4771	10	E	14	1684.8613	**842.9343**	562.2919
1246.4752	623.7413	416.1633	11	Q	13	1555.8187	**778.4130**	519.2778
1374.5338	687.7705	**458.8495**	12	Q	12	1427.7601	**714.3837**	476.5916
1502.5924	751.7998	501.5357	13	Q	11	1299.7015	**650.3544**	433.9054
1630.6510	815.8291	544.2218	14	Q	10	1171.6430	586.3251	391.2192
1758.7096	**879.8584**	586.9080	15	Q	9	1043.5844	**522.2958**	348.5330
1845.7416	923.3744	615.9187	16	S	8	915.5258	**458.2665**	305.8468
1958.8256	979.9165	653.6134	17	I	7	828.4938	414.7505	276.8361
2059.8733	1030.4403	687.2960	18	T	6	**715.4097**	358.2085	239.1414
2187.9683	**1094.4878**	**729.9943**	19	K	5	**614.3620**	307.6847	205.4589
2285.0210	1143.0142	762.3452	20	P	4	**486.2671**	243.6372	162.7605
2413.0796	1207.0435	805.0314	21	Q	3	389.2143	195.1108	130.4096
2527.1226	**1264.0649**	**843.0457**	22	N	2	261.1557	131.0815	87.7234
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ASQSS$_{167}$DSES$_{167}$IEVPTAILK$_{136}$.N/2

0.9872

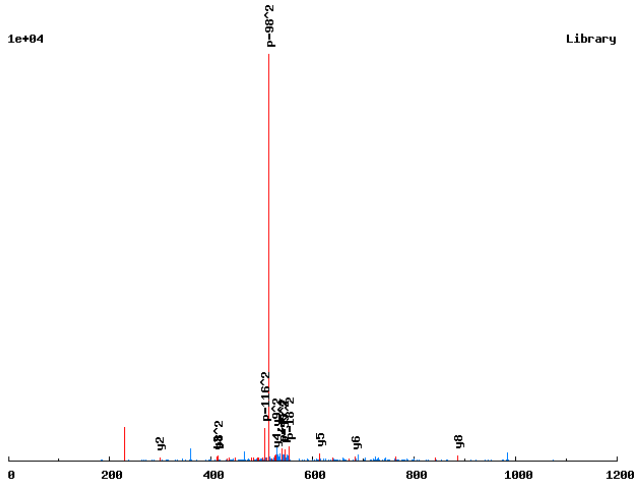


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	18		
159.0764	80.0419	2	S	17	1958.8487	**979.9280**
287.1350	144.0711	3	Q	16	1871.8166	**936.4120**
374.1670	187.5872	4	S	15	1743.7580	**872.3827**
541.1654	271.0863	5	S[167]	14	1656.7260	828.8666
656.1923	328.5998	6	D	13	**1489.7276**	745.3675
743.2244	372.1158	7	S	12	**1374.7007**	687.8540
872.2670	436.6371	8	E	11	1287.6687	644.3380
1039.2653	520.1363	9	S[167]	10	**1158.6261**	579.8167
1152.3494	576.6783	10	I	9	**991.6277**	496.3175
1281.3920	641.1996	11	E	8	**878.5437**	439.7755
1380.4604	690.7338	12	V	7	**749.5011**	375.2542
1477.5131	739.2602	13	P	6	**650.4327**	325.7200
1578.5608	789.7840	14	T	5	553.3799	277.1936
1649.5979	825.3026	15	A	4	452.3322	226.6698
1762.6820	881.8446	16	I	3	**381.2951**	191.1512
1875.7660	**938.3867**	17	L	2	268.2111	134.6092
		18	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.AS$_{167}$SDASDLLR$_{166}$.Q/2

0.9371

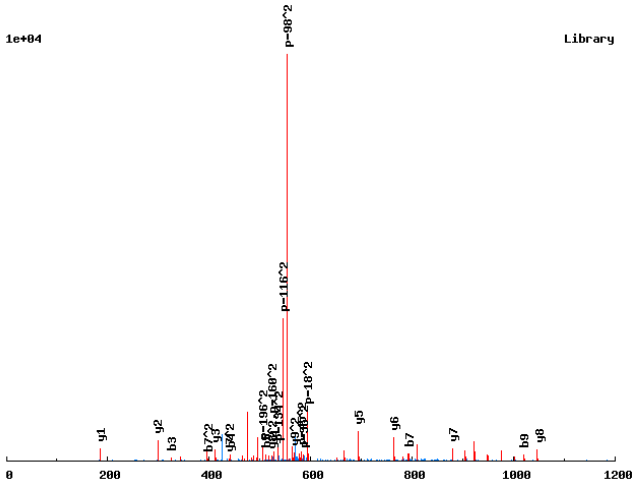


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	10		
239.0428	120.0250	2	S[167]	9	1053.4487	**527.2280**
326.0748	163.5410	3	S	8	**886.4504**	443.7288
441.1017	221.0545	4	D	7	799.4184	400.2128
512.1388	256.5731	5	A	6	**684.3914**	342.6993
599.1709	300.0891	6	S	5	**613.3543**	307.1808
714.1978	357.6025	7	D	4	**526.3223**	263.6648
827.2819	**414.1446**	8	L	3	**411.2953**	206.1513
940.3659	470.6866	9	L	2	**298.2113**	149.6093
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.ASS$_{167}$DAS$_{167}$DLLR$_{166}$.Q/2

0.9991

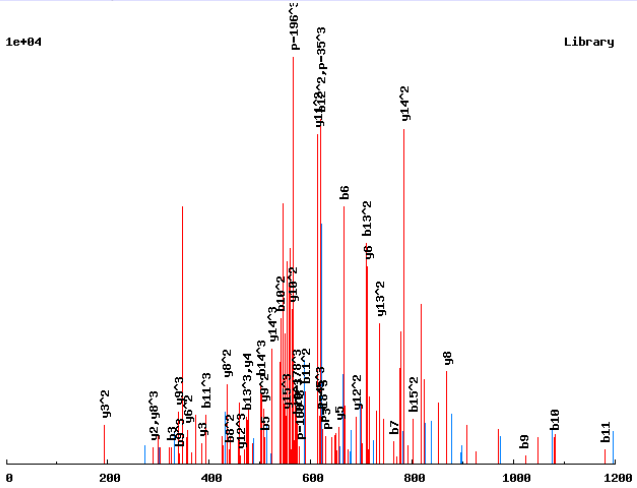


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	10		
159.0764	80.0419	2	S	9	1133.4151	**567.2112**
326.0748	163.5410	3	S[167]	8	**1046.3831**	**523.6952**
441.1017	221.0545	4	D	7	**879.3847**	**440.1960**
512.1388	256.5731	5	A	6	**764.3578**	382.6825
679.1372	340.0722	6	S[167]	5	**693.3206**	347.1640
794.1641	**397.5857**	7	D	4	**526.3223**	263.6648
907.2482	454.1277	8	L	3	**411.2953**	206.1513
1020.3323	510.6698	9	L	2	**298.2113**	149.6093
		10	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.AS$_{167}$SPSRPLFGVGT$_{181}$SPNR.K/3

0.8708

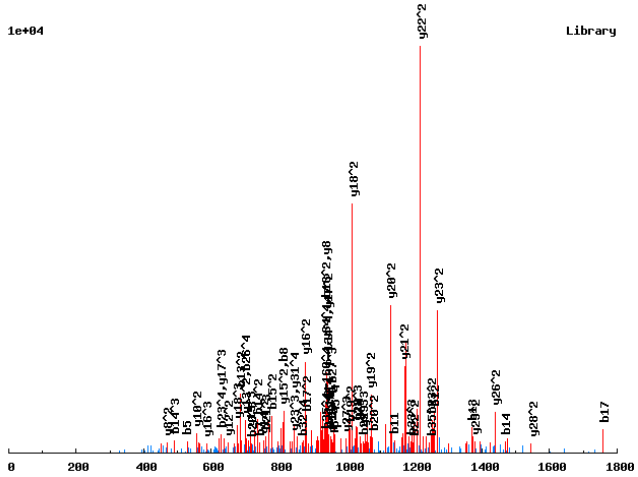


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	17			
239.0428	120.0250	80.3524	2	S[167]	16	1818.7935	909.9004	606.9360
326.0748	163.5410	109.3631	3	S	15	1651.7952	826.4012	**551.2699**
423.1275	212.0674	141.7140	4	P	14	1564.7631	**782.8852**	**522.2592**
510.1596	255.5834	170.7247	5	S	13	1467.7104	**734.3588**	489.9083
666.2607	333.6340	222.7584	6	R	12	1380.6784	**690.8428**	**460.8976**
763.3134	382.1604	255.1093	7	P	11	1224.5772	**612.7923**	408.8639
876.3975	**438.7024**	292.8040	8	L	10	1127.5245	**564.2659**	376.5130
1023.4659	512.2366	**341.8268**	9	F	9	1014.4404	**507.7239**	**338.8183**
1080.4874	**540.7473**	360.8340	10	G	8	**867.3720**	**434.1896**	**289.7955**
1179.5558	**590.2815**	**393.8568**	11	V	7	810.3506	405.6789	270.7884
1236.5772	**618.7923**	412.8639	12	G	6	**711.2821**	**356.1447**	237.7656
1417.5913	**709.2993**	**473.2019**	13	T[181]	5	**654.2607**	327.6340	218.7584
1504.6233	752.8153	**502.2126**	14	S	4	**473.2467**	237.1270	158.4204
1601.6760	**801.3417**	534.5635	15	P	3	**386.2146**	**193.6110**	129.4097
1715.7190	858.3631	**572.5778**	16	N	2	**289.1619**	145.0846	97.0588
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.ASST$_{181}$TNTATLDDLVSSDIFMENLTANATT$_{181}$SHTPTSK.T/4

0.8771

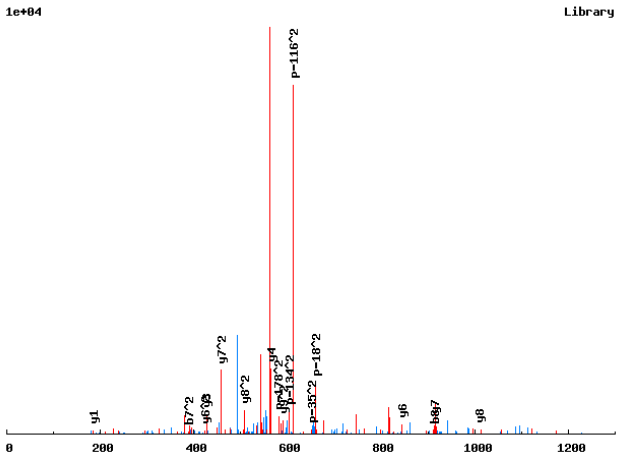


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
72.0444	36.5258	24.6863	18.7666	1	A	36				
159.0764	80.0419	53.6970	40.5246	2	S	35	3831.6555	1916.3314	1277.8900	958.6693
246.1085	123.5579	82.7077	62.2826	3	S	34	3744.6235	1872.8154	1248.8793	**936.9113**
427.1225	214.0649	143.0457	107.5361	4	T[181]	33	3657.5915	1829.2994	1219.8687	915.1533
528.1701	264.5887	176.7282	132.7980	5	T	32	3476.5774	1738.7924	1159.5307	869.8998
642.2131	321.6102	214.7425	161.3087	6	N	31	3375.5298	1688.2685	1125.8481	**844.6379**
743.2608	372.1340	248.4251	186.5706	7	T	30	3261.4868	1631.2471	1087.8338	816.1272
814.2979	407.6526	272.1041	204.3299	8	A	29	3160.4392	1580.7232	**1054.1512**	790.8652
915.3455	458.1764	305.7867	229.5918	9	T	28	3089.4020	**1545.2047**	**1030.4722**	773.1060
1028.4296	514.7184	343.4814	257.8629	10	L	27	2988.3544	1494.6808	**996.7896**	747.8441
1143.4565	572.2319	381.8237	286.6196	11	D	26	2875.2703	**1438.1388**	959.0950	719.5730
1258.4835	629.7454	420.1660	315.3763	12	D	25	2760.2434	**1380.6253**	920.7526	690.8163
1371.5675	**686.2874**	457.8607	343.6473	13	L	24	2645.2164	1323.1119	882.4103	662.0596
1470.6360	**735.8216**	**490.8835**	368.4144	14	V	23	2532.1324	**1266.5698**	**844.7156**	633.7886
1557.6680	**779.3376**	519.8942	390.1725	15	S	22	2433.0640	**1217.0356**	811.6928	609.0214
1644.7000	822.8536	548.9049	411.9305	16	S	21	2346.0319	**1173.5196**	782.6822	587.2634
1759.7270	**880.3671**	587.2472	440.6872	17	D	20	2258.9999	**1130.0036**	753.6715	565.5054
1872.8110	**936.9091**	624.9419	468.9582	18	I	19	2143.9730	**1072.4901**	**715.3292**	536.7487
2019.8794	**1010.4434**	673.9647	505.7253	19	F	18	2030.8889	**1015.9481**	**677.6345**	508.4777
2150.9199	**1075.9636**	**717.6448**	538.4854	20	M	17	1883.8205	**942.4139**	**628.6117**	471.7106
2279.9625	1140.4849	**760.6590**	570.7461	21	E	16	1752.7800	**876.8936**	**584.9315**	438.9505
2394.0054	**1197.5064**	798.6733	599.2568	22	N	15	1623.7374	**812.3723**	541.9173	406.6898
2507.0895	**1254.0484**	836.3680	**627.5278**	23	L	14	1509.6945	**755.3509**	503.9030	378.1791
2608.1372	1304.5722	870.0506	652.7898	24	T	13	1396.6104	**698.8088**	466.2083	349.9081
2679.1743	1340.0908	893.7296	670.5490	25	A	12	1295.5627	**648.2850**	432.5258	324.6461
2793.2172	1397.1122	931.7439	**699.0598**	26	N	11	1224.5256	612.7665	408.8467	306.8869
2864.2543	1432.6308	**955.4230**	716.8190	27	A	10	1110.4827	**555.7450**	370.8324	278.3761
2965.3020	1483.1546	989.1055	742.0810	28	T	9	1039.4456	520.2264	347.1534	260.6169
3146.3160	1573.6616	**1049.4435**	787.3345	29	T[181]	8	**938.3979**	**469.7026**	313.4708	235.3549
3233.3480	1617.1777	1078.4542	809.0925	30	S	7	757.3839	379.1956	253.1328	190.1014
3370.4070	1685.7071	1124.1405	843.3572	31	H	6	670.3519	335.6796	224.1221	168.3434
3471.4546	1736.2310	1157.8231	**868.6191**	32	T	5	533.2930	267.1501	178.4358	134.0787
3568.5074	1784.7573	**1190.1740**	892.8823	33	P	4	432.2453	216.6263	144.7533	108.8168
3669.5551	1835.2812	1223.8565	918.1442	34	T	3	335.1925	168.0999	112.4024	84.5536
3756.5871	1878.7972	**1252.8672**	**939.9022**	35	S	2	234.1448	117.5761	78.7198	59.2917
				36	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.ASS$_{167}$VAS$_{167}$IHNQR$_{166}$.V/2

0.949

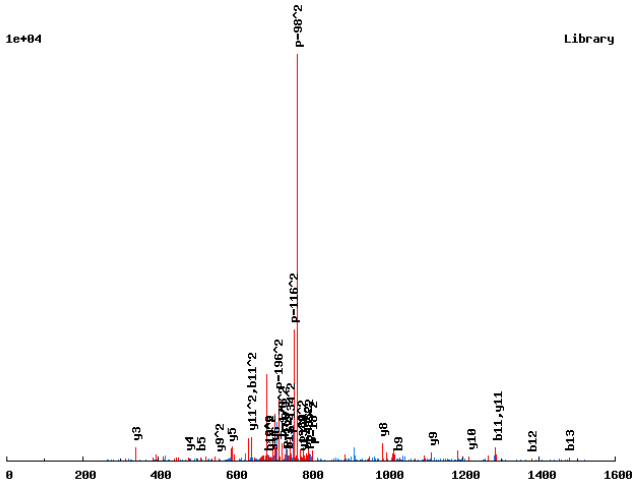


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	11		
159.0764	80.0419	2	S	10	1268.5060	634.7566
326.0748	163.5410	3	S[167]	9	1181.4739	**591.2406**
425.1432	213.0752	4	V	8	**1014.4756**	**507.7414**
496.1803	248.5938	5	A	7	**915.4072**	**458.2072**
663.1787	332.0930	6	S[167]	6	**844.3701**	**422.6887**
776.2627	**388.6350**	7	I	5	677.3717	339.1895
913.3216	457.1645	8	H	4	**564.2876**	282.6475
1027.3646	514.1859	9	N	3	**427.2287**	214.1180
1155.4231	578.2152	10	Q	2	313.1858	157.0965
		11	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.AS$_{167}$TAVES$_{167}$LDNHPPK.A/2

0.9968

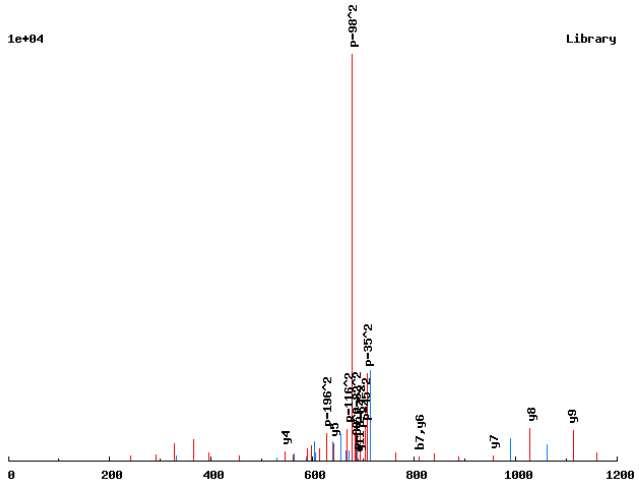


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	14		
239.0428	120.0250	2	S[167]	13	1554.6237	**777.8155**
340.0904	170.5489	3	T	12	1387.6253	**694.3163**
411.1275	206.0674	4	A	11	**1286.5776**	**643.7925**
510.1960	255.6016	5	V	10	**1215.5405**	608.2739
639.2385	320.1229	6	E	9	**1116.4721**	**558.7397**
806.2369	403.6221	7	S[167]	8	**987.4295**	494.2184
919.3210	460.1641	8	L	7	820.4312	410.7192
1034.3479	517.6776	9	D	6	**707.3471**	354.1772
1148.3908	574.6991	10	N	5	**592.3202**	296.6637
1285.4497	**643.2285**	11	H	4	**478.2772**	239.6423
1382.5025	**691.7549**	12	P	3	**341.2183**	171.1128
1479.5553	**740.2813**	13	P	2	244.1656	122.5864
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.AS$_{167}$VSAM$_{147}$S$_{167}$PPLC$_{160}$R.S/2

0.7288

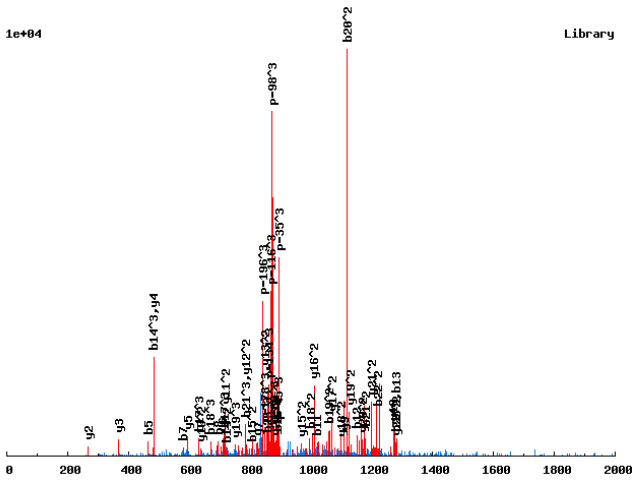


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
239.0428	120.0250	2	S[167]	11	1380.5089	**690.7581**
338.1112	169.5592	3	V	10	1213.5105	607.2589
425.1432	213.0752	4	S	9	**1114.4421**	557.7247
496.1803	248.5938	5	A	8	**1027.4101**	514.2087
643.2157	322.1115	6	M[147]	7	**956.3729**	478.6901
810.2141	405.6107	7	S[167]	6	**809.3375**	405.1724
907.2668	454.1371	8	P	5	**642.3392**	321.6732
1004.3196	502.6634	9	P	4	**545.2864**	273.1469
1117.4036	559.2055	10	L	3	448.2337	224.6205
1277.4343	639.2208	11	C[160]	2	335.1496	168.0784
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.ASYGSGGNSQNQEYS$_{167}$S$_{167}$DDNIDVNK$_{136}$.N/3

1

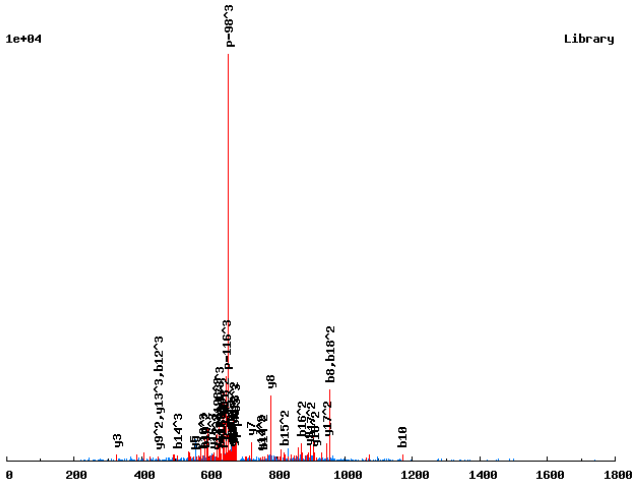


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	24			
159.0764	80.0419	53.6970	2	S	23	2645.9756	1323.4914	**882.6634**
322.1397	161.5735	108.0514	3	Y	22	2558.9436	**1279.9754**	853.6527
379.1612	190.0842	127.0586	4	G	21	2395.8803	**1198.4438**	799.2983
466.1932	233.6003	156.0693	5	S	20	2338.8588	**1169.9330**	780.2911
523.2147	262.1110	175.0764	6	G	19	2251.8268	**1126.4170**	**751.2804**
580.2362	290.6217	194.0836	7	G	18	2194.8053	**1097.9063**	732.2733
694.2791	347.6432	232.0979	8	N	17	2137.7838	**1069.3956**	**713.2661**
781.3111	391.1592	261.1086	9	S	16	2023.7409	**1012.3741**	675.2518
909.3697	455.1885	303.7948	10	Q	15	1936.7089	**968.8581**	646.2411
1023.4126	512.2100	341.8091	11	N	14	1808.6503	904.8288	603.5550
1151.4712	576.2392	384.4953	12	Q	13	1694.6074	**847.8073**	565.5406
1280.5138	640.7605	427.5095	13	E	12	1566.5488	**783.7780**	522.8545
1443.5771	**722.2922**	**481.8639**	14	Y	11	1437.5062	**719.2567**	479.8403
1610.5755	**805.7914**	537.5300	15	S[167]	10	**1274.4429**	**637.7251**	425.4858
1777.5739	**889.2906**	593.1961	16	S[167]	9	**1107.4445**	554.2259	369.8197
1892.6008	946.8040	**631.5385**	17	D	8	940.4461	470.7267	314.1536
2007.6277	**1004.3175**	**669.8808**	18	D	7	**825.4192**	413.2132	275.8113
2121.6707	**1061.3390**	707.8951	19	N	6	**710.3923**	355.6998	237.4689
2234.7547	**1117.8810**	745.5898	20	I	5	**596.3493**	298.6783	199.4546
2349.7817	**1175.3945**	**783.9321**	21	D	4	**483.2653**	242.1363	161.7599
2448.8501	**1224.9287**	816.9549	22	V	3	**368.2383**	184.6228	123.4176
2562.8930	**1281.9501**	**854.9692**	23	N	2	**269.1699**	135.0886	90.3948
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.ATAK$_{136}$T$_{181}$S$_{167}$VESEIGGNQVGLK$_{136}$.I/3

0.9684

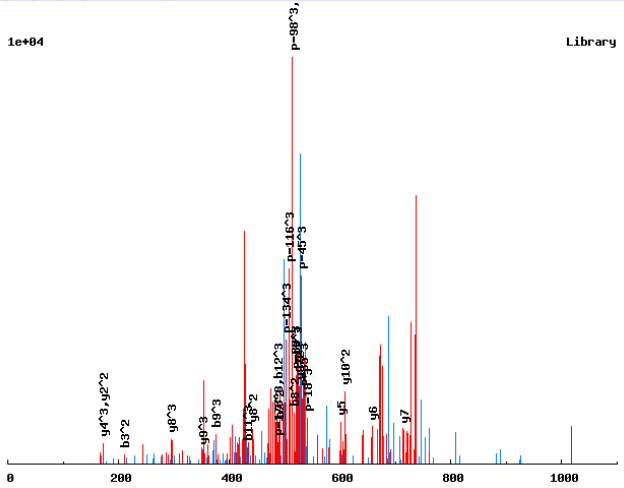


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
173.0921	87.0497	58.3689	2	T	18	1993.9214	997.4643	**665.3120**
244.1292	122.5682	82.0479	3	A	17	1892.8737	**946.9405**	**631.6294**
380.2383	190.6228	127.4176	4	K[136]	16	1821.8366	**911.4219**	**607.9504**
561.2524	281.1298	187.7556	5	T[181]	15	1685.7274	843.3673	562.5807
728.2507	364.6290	243.4218	6	S[167]	14	1504.7134	**752.8603**	502.2427
827.3191	414.1632	276.4446	7	V	13	1337.7150	**669.3612**	**446.5765**
956.3617	478.6845	319.4588	8	E	12	1238.6466	**619.8270**	413.5537
1043.3937	522.2005	348.4694	9	S	11	1109.6040	555.3057	370.5395
1172.4363	**586.7218**	391.4836	10	E	10	1022.5720	511.7896	341.5289
1285.5204	**643.2638**	429.1783	11	I	9	**893.5294**	**447.2683**	298.5147
1342.5419	**671.7746**	**448.1855**	12	G	8	**780.4454**	390.7263	260.8200
1399.5633	700.2853	467.1926	13	G	7	**723.4239**	362.2156	241.8128
1513.6062	**757.3068**	**505.2069**	14	N	6	**666.4024**	333.7049	222.8057
1641.6648	**821.3361**	547.8931	15	Q	5	**552.3595**	276.6834	184.7914
1740.7332	**870.8703**	**580.9159**	16	V	4	424.3009	212.6541	142.1052
1797.7547	**899.3810**	599.9231	17	G	3	**325.2325**	163.1199	109.0824
1910.8388	**955.9230**	637.6178	18	L	2	268.2111	134.6092	90.0752
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.AT$_{181}$S$_{167}$S$_{167}$S$_{167}$GGSDGS$_{167}$R.R/3

0.7114

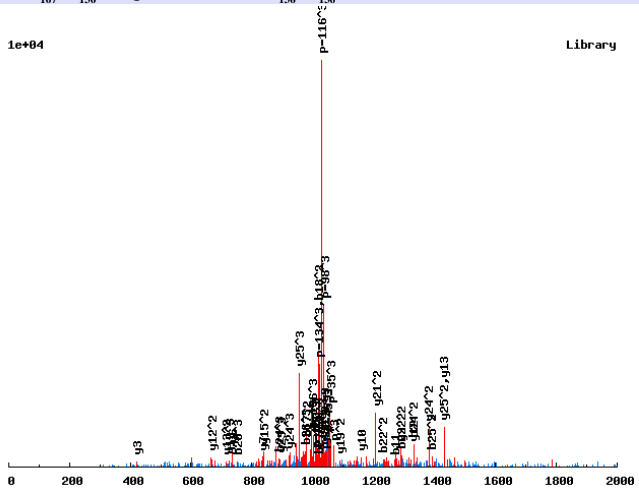


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	13			
253.0584	127.0328	85.0243	2	T[181]	12	1564.2481	782.6277	**522.0876**
420.0568	**210.5320**	140.6904	3	S[167]	11	1383.2341	692.1207	461.7496
587.0551	294.0312	196.3566	4	S[167]	10	1216.2357	**608.6215**	406.0834
754.0535	377.5304	252.0227	5	S[167]	9	1049.2374	**525.1223**	**350.4173**
921.0518	461.0296	307.6888	6	S[167]	8	882.2390	**441.6232**	**294.7512**
978.0733	**489.5403**	326.6960	7	G	7	**715.2407**	358.1240	239.0851
1035.0948	**518.0510**	345.7031	8	G	6	**658.2192**	329.6132	220.0779
1122.1268	561.5670	**374.7138**	9	S	5	**601.1977**	301.1025	201.0708
1237.1537	619.0805	413.0561	10	D	4	**514.1657**	257.5865	**172.0601**
1294.1752	647.5912	**432.0633**	11	G	3	399.1388	200.0730	133.7178
1461.1736	731.0904	**487.7294**	12	S[167]	2	342.1173	**171.5623**	114.7106
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.ATS$_{167}$VSTS$_{167}$PK$_{136}$LEEQMNVSSNPIVLSDK$_{136}$EK$_{136}$.H/3

0.6876

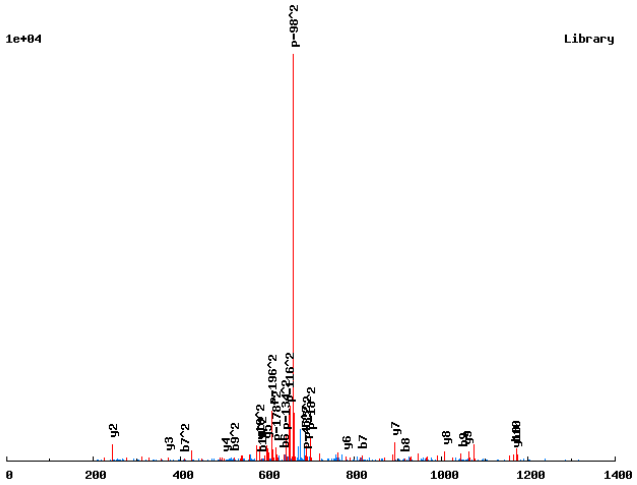


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	28			
173.0921	87.0497	58.3689	2	T	27	3131.4681	1566.2377	**1044.4942**
340.0904	170.5489	114.0350	3	S[167]	26	3030.4204	1515.7138	**1010.8117**
439.1588	220.0831	147.0578	4	V	25	2863.4220	**1432.2147**	**955.1455**
526.1909	263.5991	176.0685	5	S	24	2764.3536	**1382.6805**	**922.1227**
627.2386	314.1229	209.7510	6	T	23	2677.3216	1339.1644	**893.1121**
794.2369	397.6221	265.4172	7	S[167]	22	2576.2739	**1288.6406**	859.4295
891.2897	446.1485	297.7681	8	P	21	2409.2756	**1205.1414**	803.7634
1027.3988	514.2031	343.1378	9	K[136]	20	2312.2228	1156.6150	771.4125
1140.4829	570.7451	380.8325	10	L	19	2176.1136	**1088.5605**	**726.0427**
1269.5255	635.2664	423.8467	11	E	18	2063.0296	**1032.0184**	688.3480
1398.5681	699.7877	466.8609	12	E	17	1933.9870	967.4971	645.3339
1526.6267	763.8170	509.5471	13	Q	16	1804.9444	902.9758	602.3197
1657.6671	829.3372	553.2272	14	M	15	1676.8858	**838.9466**	559.6335
1771.7101	886.3587	591.2415	15	N	14	1545.8453	773.4263	515.9533
1870.7785	935.8929	624.2643	16	V	13	**1431.8024**	**716.4048**	477.9390
1957.8105	**979.4089**	653.2750	17	S	12	**1332.7340**	**666.8706**	444.9162
2044.8425	**1022.9249**	682.2857	18	S	11	1245.7020	623.3546	415.9055
2158.8855	1079.9464	720.3000	19	N	10	**1158.6699**	579.8386	386.8948
2255.9382	1128.4728	**752.6509**	20	P	9	**1044.6270**	522.8171	348.8805
2369.0223	1185.0148	790.3456	21	I	8	947.5742	474.2908	316.5296
2468.0907	**1234.5490**	823.3684	22	V	7	**834.4902**	417.7487	278.8349
2581.1748	**1291.0910**	861.0631	23	L	6	**735.4218**	368.2145	245.8121
2668.2068	**1334.6070**	**890.0738**	24	S	5	622.3377	311.6725	208.1174
2783.2337	**1392.1205**	928.4161	25	D	4	535.3057	268.1565	179.1067
2919.3429	1460.1751	**973.7858**	26	K[136]	3	**420.2787**	210.6430	140.7644
3048.3855	1524.6964	**1016.8000**	27	E	2	284.1696	142.5884	95.3947
			28	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.AT$_{181}$TGLNT$_{181}$PEEPK.G/2

0.9953

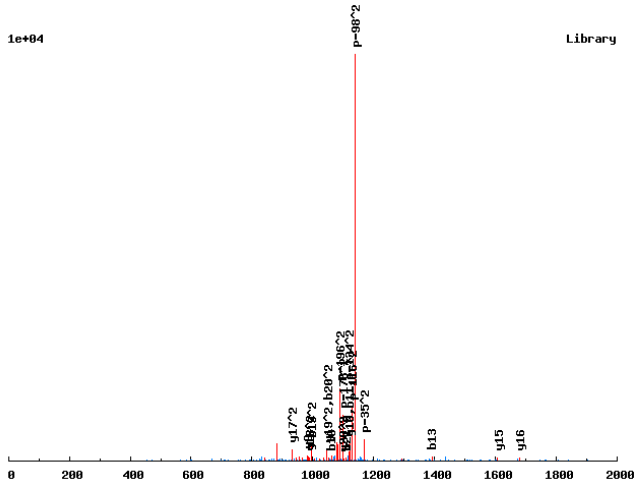


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	12		
253.0584	127.0328	2	T[181]	11	1346.5277	673.7675
354.1061	177.5567	3	T	10	**1165.5136**	**583.2605**
411.1275	206.0674	4	G	9	**1064.4660**	532.7366
524.2116	262.6094	5	L	8	**1007.4445**	504.2259
638.2545	319.6309	6	N	7	**894.3604**	447.6839
819.2685	**410.1379**	7	T[181]	6	**780.3175**	390.6624
916.3213	458.6643	8	P	5	**599.3035**	300.1554
1045.3639	**523.1856**	9	E	4	**502.2507**	251.6290
1174.4065	**587.7069**	10	E	3	**373.2081**	187.1077
1271.4592	636.2333	11	P	2	**244.1656**	122.5864
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.AVDNDT$_{181}$AGS$_{167}$AGK$_{136}$K$_{136}$PLATESTEK$_{136}$.R/2

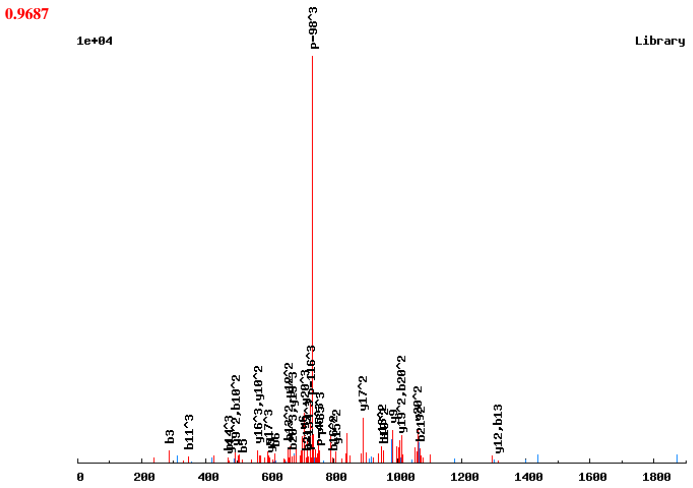
0.9982



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	22		
171.1128	86.0600	2	V	21	2303.0265	1152.0169
286.1397	143.5735	3	D	20	2203.9581	**1102.4827**
400.1827	200.5950	4	N	19	2088.9312	**1044.9692**
515.2096	258.1084	5	D	18	1974.8883	**987.9478**
696.2236	348.6155	6	T[181]	17	1859.8613	**930.4343**
767.2607	384.1340	7	A	16	**1678.8473**	839.9273
824.2822	412.6447	8	G	15	**1607.8102**	804.4087
991.2806	496.1439	9	S[167]	14	1550.7887	775.8980
1062.3177	531.6625	10	A	13	1383.7904	692.3988
1119.3391	560.1732	11	G	12	1312.7533	656.8803
1255.4483	628.2278	12	K[136]	11	1255.7318	628.3695
1391.5574	696.2824	13	K[136]	10	**1119.6227**	560.3150
1488.6102	744.8087	14	P	9	**983.5135**	492.2604
1601.6943	801.3508	15	L	8	886.4607	443.7340
1672.7314	836.8693	16	A	7	773.3767	387.1920
1773.7790	887.3932	17	T	6	702.3396	351.6734
1902.8216	951.9145	18	E	5	601.2919	301.1496
1989.8537	**995.4305**	19	S	4	472.2493	236.6283
2090.9013	**1045.9543**	20	T	3	385.2173	193.1123
2219.9439	**1110.4756**	21	E	2	284.1696	142.5884
		22	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.AVDNDTAGS$_{167}$AGK$_{136}$K$_{136}$PLATESTEK$_{136}$.R/3

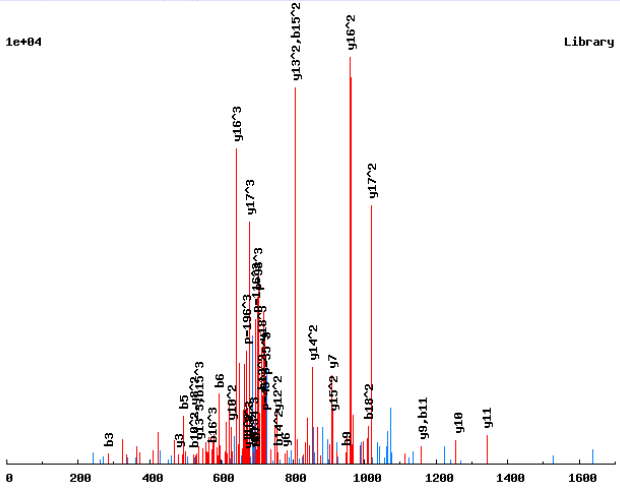


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	22			
171.1128	86.0600	57.7091	2	V	21	2223.0602	1112.0337	741.6916
286.1397	143.5735	96.0514	3	D	20	2123.9918	**1062.4995**	**708.6688**
400.1827	200.5950	134.0657	4	N	19	2008.9649	**1004.9861**	**670.3265**
515.2096	258.1084	172.4081	5	D	18	1894.9219	**947.9646**	632.3122
616.2573	308.6323	206.0906	6	T	17	1779.8950	**890.4511**	**593.9699**
687.2944	344.1508	229.7697	7	A	16	1678.8473	839.9273	**560.2873**
744.3159	372.6616	248.7768	8	G	15	1607.8102	**804.4087**	536.6083
911.3142	456.1608	304.4429	9	S[167]	14	1550.7887	775.8980	517.6011
982.3513	**491.6793**	328.1220	10	A	13	1383.7904	692.3988	461.9350
1039.3728	520.1900	**347.1291**	11	G	12	**1312.7533**	**656.8803**	438.2559
1175.4819	588.2446	392.4988	12	K[136]	11	1255.7318	628.3695	419.2488
1311.5911	**656.2992**	437.8686	13	K[136]	10	1119.6227	**560.3150**	373.8791
1408.6439	704.8256	**470.2195**	14	P	9	**983.5135**	**492.2604**	328.5094
1521.7279	761.3676	507.9142	15	L	8	886.4607	443.7340	296.1584
1592.7650	**796.8862**	531.5932	16	A	7	773.3767	387.1920	258.4637
1693.8127	847.4100	565.2758	17	T	6	**702.3396**	351.6734	234.7847
1822.8553	911.9313	608.2900	18	E	5	**601.2919**	301.1496	201.1021
1909.8873	**955.4473**	637.3006	19	S	4	**472.2493**	236.6283	158.0880
2010.9350	**1005.9711**	**670.9832**	20	T	3	385.2173	193.1123	129.0773
2139.9776	**1070.4924**	**713.9974**	21	E	2	284.1696	142.5884	95.3947
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.AVNPLVTS$_{167}$SPIHMSPLQS$_{167}$R$_{166}$-Q/3

0.9395

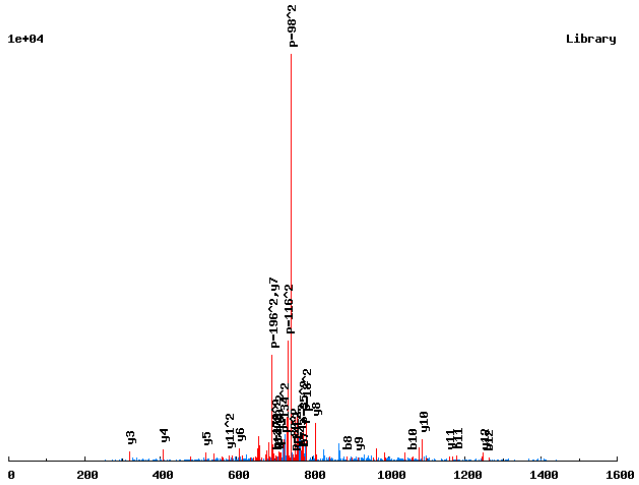


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
171.1128	86.0600	57.7091	2	V	18	2132.9839	1066.9956	**711.6661**
285.1557	143.0815	95.7234	3	N	17	2033.9155	**1017.4614**	**678.6433**
382.2085	191.6079	128.0744	4	P	16	1919.8725	**960.4399**	**640.6290**
495.2926	248.1499	165.7690	5	L	15	1822.8198	**911.9135**	608.2781
594.3610	297.6841	198.7918	6	V	14	1709.7357	**855.3715**	570.5834
695.4086	348.2080	232.4744	7	T	13	1610.6673	**805.8373**	**537.5606**
862.4070	431.7071	288.1405	8	S[167]	12	1509.6196	**755.3135**	503.8781
949.4390	475.2232	317.1512	9	S	11	**1342.6213**	**671.8143**	448.2119
1046.4918	**523.7495**	349.5021	10	P	10	**1255.5892**	**628.2983**	419.2013
1159.5759	580.2916	387.1968	11	I	9	**1158.5365**	579.7719	386.8503
1296.6348	648.8210	432.8831	12	H	8	1045.4524	**523.2298**	349.1557
1427.6753	**714.3413**	476.5633	13	M	7	**908.3935**	454.7004	303.4694
1514.7073	**757.8573**	505.5739	14	S	6	**777.3530**	389.1801	259.7892
1611.7600	**806.3837**	**537.9249**	15	P	5	**690.3210**	345.6641	230.7785
1724.8441	862.9257	**575.6196**	16	L	4	593.2682	297.1378	198.4276
1852.9027	926.9550	618.3057	17	Q	3	**480.1842**	240.5957	160.7329
2019.9010	**1010.4542**	**673.9719**	18	S[167]	2	352.1256	176.5664	118.0467
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.AVS$_{167}$SAS$_{167}$INSSLSGSR.A/2

0.9997

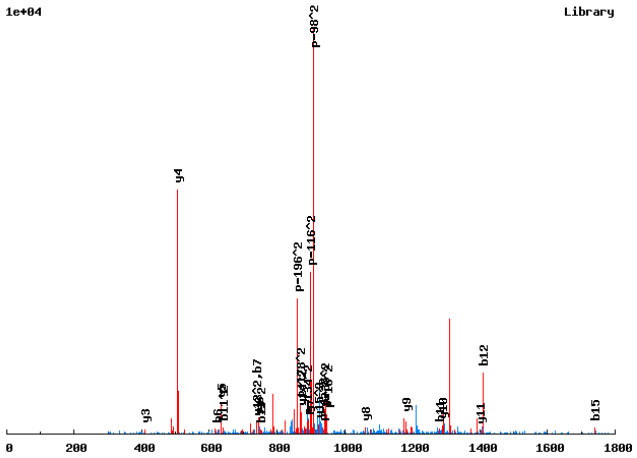


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	15		
171.1128	86.0600	2	V	14	1511.6139	**756.3106**
338.1112	169.5592	3	S[167]	13	1412.5454	**706.7764**
425.1432	213.0752	4	S	12	**1245.5471**	623.2772
496.1803	248.5938	5	A	11	**1158.5151**	**579.7612**
663.1787	332.0930	6	S[167]	10	**1087.4779**	544.2426
776.2627	388.6350	7	I	9	**920.4796**	460.7434
890.3057	445.6565	8	N	8	**807.3955**	404.2014
977.3377	489.1725	9	S	7	**693.3526**	347.1799
1064.3697	532.6885	10	S	6	**606.3206**	303.6639
1177.4538	589.2305	11	L	5	**519.2885**	260.1479
1264.4858	632.7465	12	S	4	**406.2045**	203.6059
1321.5073	661.2573	13	G	3	**319.1724**	160.0899
1408.5393	**704.7733**	14	S	2	262.1510	131.5791
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.AVST$_{181}$ANDNS$_{167}$FLQPPHR.A/2

0.8729

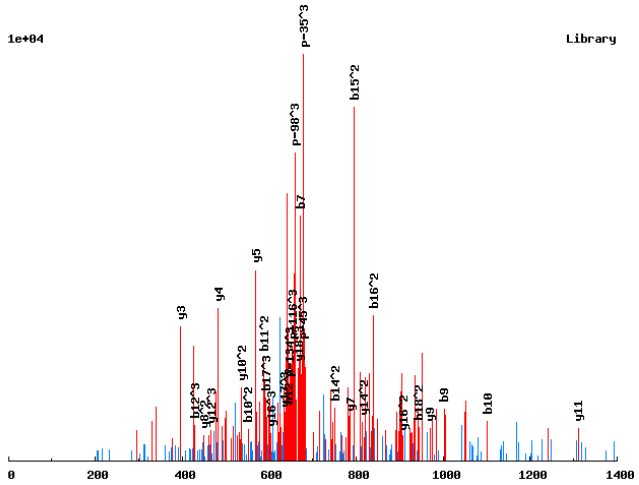


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	16		
171.1128	86.0600	2	V	15	1842.7572	**921.8822**
258.1448	129.5761	3	S	14	1743.6887	**872.3480**
439.1588	220.0831	4	T[181]	13	1656.6567	828.8320
510.1960	255.6016	5	A	12	1475.6427	**738.3250**
624.2389	312.6231	6	N	11	**1404.6056**	702.8064
739.2658	370.1366	7	D	10	**1290.5627**	645.7850
853.3088	427.1580	8	N	9	**1175.5357**	588.2715
1020.3071	510.6572	9	S[167]	8	**1061.4928**	531.2500
1167.3755	584.1914	10	F	7	**894.4944**	447.7509
1280.4596	**640.7334**	11	L	6	**747.4260**	374.2167
1408.5182	704.7627	12	Q	5	**634.3420**	317.6746
1505.5709	**753.2891**	13	P	4	**506.2834**	253.6453
1602.6237	801.8155	14	P	3	**409.2306**	205.1189
1739.6826	870.3449	15	H	2	312.1779	156.5926
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.AVSVSDLSY$_{243}$VANSQSSPLR$_{166}$.E/3

0.9932

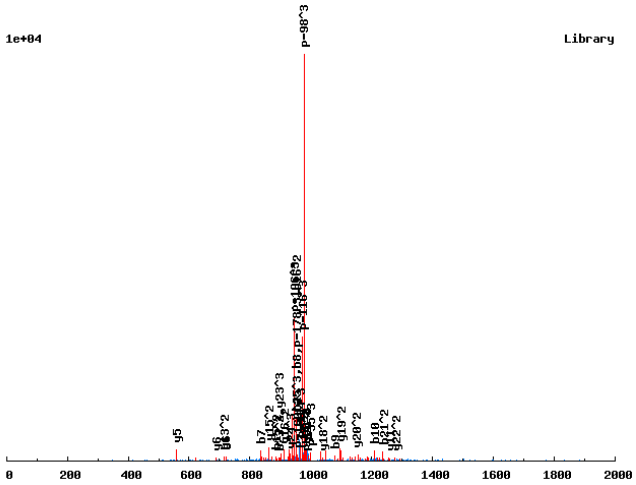


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	19			
171.1128	86.0600	57.7091	2	V	18	1998.9407	999.9740	**666.9851**
258.1448	129.5761	86.7198	3	S	17	1899.8723	950.4398	**633.9623**
357.2132	179.1103	119.7426	4	V	16	1812.8403	**906.9238**	**604.9516**
444.2453	222.6263	148.7533	5	S	15	1713.7719	857.3896	571.9288
559.2722	280.1397	187.0956	6	D	14	1626.7398	**813.8736**	542.9181
672.3563	336.6818	224.7903	7	L	13	1511.7129	756.3601	504.5758
759.3883	380.1978	253.8010	8	S	12	1398.6288	699.8181	**466.8811**
1002.4180	501.7126	334.8108	9	Y[243]	11	**1311.5968**	656.3020	437.8705
1101.4864	**551.2468**	367.8336	10	V	10	1068.5672	**534.7872**	356.8606
1172.5235	**586.7654**	391.5127	11	A	9	**969.4987**	485.2530	323.8378
1286.5664	**643.7868**	**429.5270**	12	N	8	898.4616	**449.7345**	300.1587
1373.5984	687.3029	458.5377	13	S	7	**784.4187**	392.7130	262.1444
1501.6570	**751.3322**	501.2239	14	Q	6	697.3867	349.1970	233.1337
1588.6891	**794.8482**	530.2345	15	S	5	**569.3281**	285.1677	190.4476
1675.7211	**838.3642**	559.2452	16	S	4	**482.2961**	241.6517	161.4369
1772.7738	886.8906	**591.5961**	17	P	3	**395.2640**	198.1357	132.4262
1885.8579	**943.4326**	629.2908	18	L	2	298.2113	149.6093	100.0753
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.AYIKEDDDEKPQS$_{167}$GDET$_{181}$SATKPLSSR.N/3

0.9998

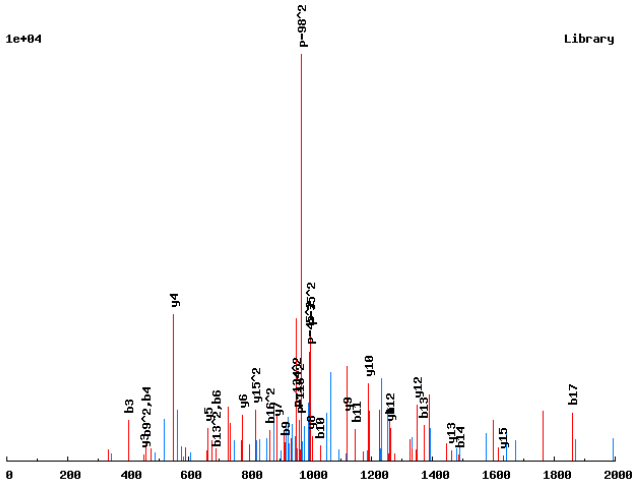


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
72.0444	36.5258	24.6863	1	A	26			
235.1077	118.0575	79.0408	2	Y	25	2956.2496	1478.6285	**986.0881**
348.1918	174.5995	116.7354	3	I	24	2793.1863	1397.0968	**931.7336**
476.2867	238.6470	159.4338	4	K	23	2680.1022	1340.5548	**894.0389**
605.3293	303.1683	202.4480	5	E	22	2552.0073	**1276.5073**	851.3406
720.3563	360.6818	240.7903	6	D	21	2422.9647	1211.9860	808.3264
835.3832	418.1952	279.1326	7	D	20	2307.9377	**1154.4725**	769.9841
950.4101	475.7087	317.4749	8	D	19	2192.9108	**1096.9590**	731.6418
1079.4527	540.2300	360.4891	9	E	18	2077.8839	**1039.4456**	693.2995
1207.5477	604.2775	403.1874	10	K	17	1948.8413	**974.9243**	650.2853
1304.6005	652.8039	435.5383	11	P	16	1820.7463	**910.8768**	607.5870
1432.6590	716.8332	478.2245	12	Q	15	1723.6936	**862.3504**	575.2360
1599.6574	800.3323	533.8907	13	S[167]	14	1595.6350	798.3211	532.5498
1656.6789	828.8431	552.8978	14	G	13	1428.6366	**714.8219**	476.8837
1771.7058	**886.3565**	591.2401	15	D	12	1371.6152	686.3112	457.8766
1900.7484	**950.8778**	634.2543	16	E	11	**1256.5882**	628.7977	419.5343
2081.7624	1041.3848	694.5923	17	T[181]	10	1127.5456	564.2765	376.5201
2168.7944	1084.9009	723.6030	18	S	9	946.5316	473.7694	316.1821
2239.8315	1120.4194	747.2820	19	A	8	859.4996	430.2534	287.1714
2340.8792	1170.9433	780.9646	20	T	7	788.4625	394.7349	263.4923
2468.9742	**1234.9907**	823.6629	21	K	6	**687.4148**	344.2110	229.8098
2566.0269	1283.5171	856.0138	22	P	5	**559.3198**	280.1636	187.1115
2679.1110	1340.0591	**893.7085**	23	L	4	462.2671	231.6372	154.7605
2766.1430	1383.5752	922.7192	24	S	3	349.1830	175.0951	117.0659
2853.1751	1427.0912	**951.7299**	25	S	2	262.1510	131.5791	88.0552
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.AY$_{243}$SGDISAADDNLNPFER.Y/2

0.9998

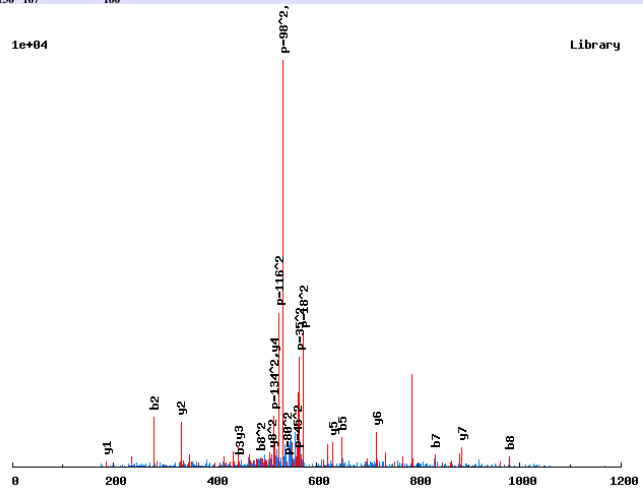


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
72.0444	36.5258	1	A	18		
315.0741	158.0407	2	Y[243]	17	1963.8069	982.4071
402.1061	201.5567	3	S	16	1720.7773	860.8923
459.1275	230.0674	4	G	15	**1633.7452**	**817.3763**
574.1545	287.5809	5	D	14	1576.7238	788.8655
687.2385	344.1229	6	I	13	**1461.6968**	731.3520
774.2706	387.6389	7	S	12	**1348.6128**	674.8100
845.3077	423.1575	8	A	11	**1261.5807**	631.2940
916.3448	**458.6760**	9	A	10	**1190.5436**	595.7754
1031.3717	516.1895	10	D	9	**1119.5065**	560.2569
1146.3987	573.7030	11	D	8	**1004.4796**	502.7434
1260.4416	630.7244	12	N	7	**889.4526**	445.2300
1373.5257	**687.2665**	13	L	6	**775.4097**	388.2085
1487.5686	744.2879	14	N	5	**662.3256**	331.6665
1584.6214	792.8143	15	P	4	**548.2827**	274.6450
1731.6898	**866.3485**	16	F	3	**451.2299**	226.1186
1860.7324	930.8698	17	E	2	304.1615	152.5844
		18	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.C$_{143}$K$_{136}$S$_{167}$SDALFR$_{166}$.K/2

0.7776

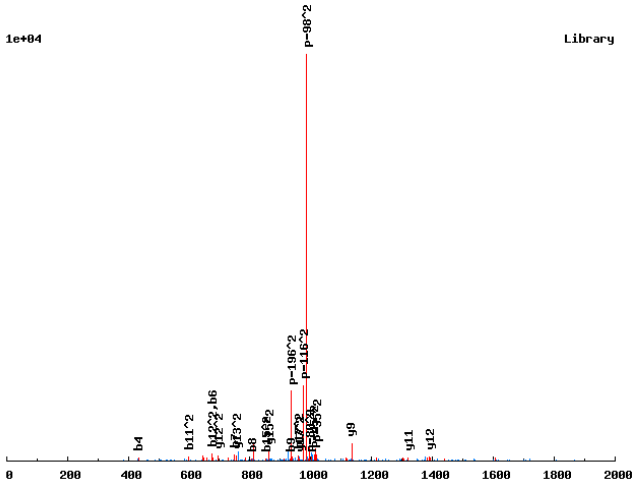


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
144.0114	72.5093	1	C[143]	9		
280.1205	140.5639	2	K[136]	8	1021.4833	**511.2453**
447.1189	224.0631	3	S[167]	7	**885.3741**	443.1907
534.1509	267.5791	4	S	6	**718.3758**	359.6915
649.1779	325.0926	5	D	5	**631.3437**	316.1755
720.2150	360.6111	6	A	4	**516.3168**	258.6620
833.2990	417.1532	7	L	3	**445.2797**	223.1435
980.3675	**490.6874**	8	F	2	**332.1956**	166.6015
		9	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.C$_{143}$SDSQDAGQPS$_{167}$REGS$_{167}$ITK.K/2

0.7721

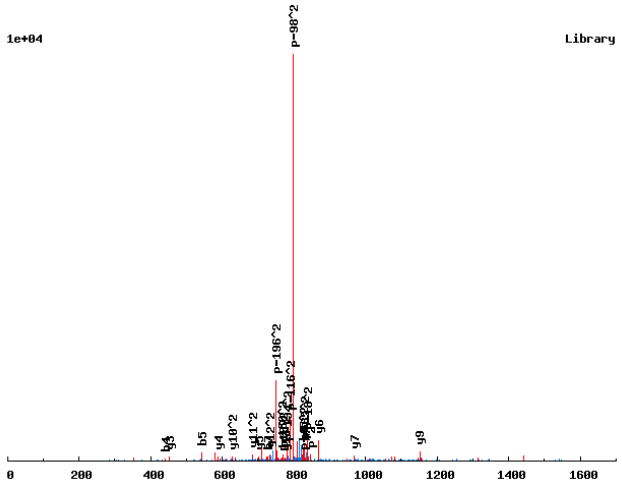


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
144.0114	72.5093	1	C[143]	18		
231.0434	116.0253	2	S	17	1922.7529	**961.8801**
346.0704	173.5388	3	D	16	1835.7208	918.3641
433.1024	217.0548	4	S	15	1720.6939	**860.8506**
561.1610	281.0841	5	Q	14	1633.6619	817.3346
676.1879	338.5976	6	D	13	1505.6033	**753.3053**
747.2250	374.1161	7	A	12	**1390.5763**	**695.7918**
804.2465	402.6269	8	G	11	**1319.5392**	660.2733
932.3051	466.6562	9	Q	10	1262.5178	631.7625
1029.3578	515.1825	10	P	9	**1134.4592**	567.7332
1196.3562	**598.6817**	11	S[167]	8	1037.4064	519.2069
1352.4573	**676.7323**	12	R	7	870.4081	435.7077
1481.4999	741.2536	13	E	6	714.3070	357.6571
1538.5213	769.7643	14	G	5	585.2644	293.1358
1705.5197	**853.2635**	15	S[167]	4	528.2429	264.6251
1818.6038	909.8055	16	I	3	361.2445	181.1259
1919.6514	**960.3294**	17	T	2	248.1605	124.5839
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.C$_{143}$SPLTSVVS$_{167}$NK$_{136}$S$_{167}$EK$_{136}$.S/2

0.62

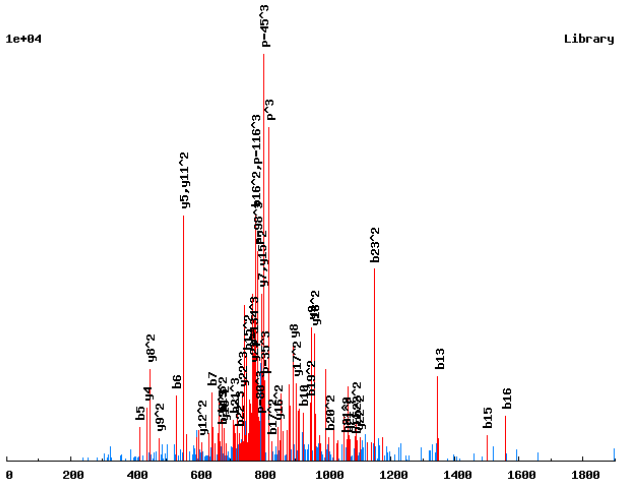


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
144.0114	72.5093	1	C[143]	14		
231.0434	116.0253	2	S	13	1551.7038	**776.3555**
328.0962	164.5517	3	P	12	1464.6717	**732.8395**
441.1802	221.0938	4	L	11	1367.6190	**684.3131**
542.2279	271.6176	5	T	10	1254.5349	**627.7711**
629.2599	315.1336	6	S	9	**1153.4872**	577.2473
728.3284	364.6678	7	V	8	1066.4552	533.7312
827.3968	414.2020	8	V	7	**967.3868**	484.1970
994.3951	497.7012	9	S[167]	6	**868.3184**	434.6628
1108.4381	554.7227	10	N	5	**701.3200**	351.1637
1244.5472	622.7772	11	K[136]	4	**587.2771**	294.1422
1411.5456	706.2764	12	S[167]	3	**451.1679**	226.0876
1540.5882	**770.7977**	13	E	2	284.1696	142.5884
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.C$_{143}$TGGGHILTAS$_{167}$HNPGGPENDLGIK$_{136}$.Y/3

0.9996

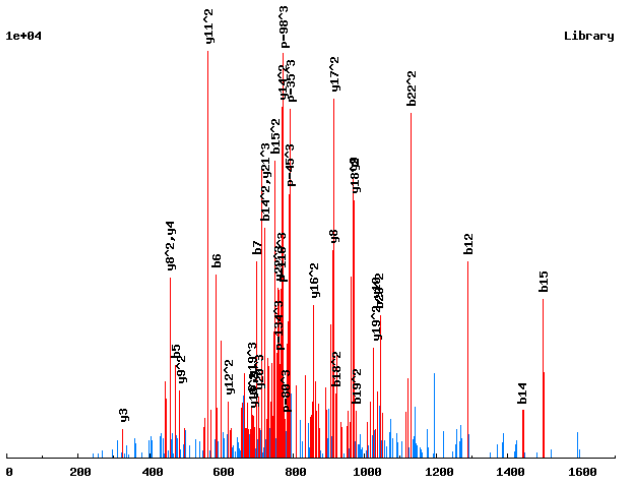


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
144.0114	72.5093	48.6753	1	C[143]	24			
245.0591	123.0332	82.3579	2	T	23	2306.1267	1153.5670	**769.3804**
302.0805	151.5439	101.3650	3	G	22	2205.0790	**1103.0432**	**735.6979**
359.1020	180.0546	120.3722	4	G	21	2148.0576	**1074.5324**	716.6907
416.1234	208.5654	139.3793	5	G	20	2091.0361	1046.0217	697.6836
529.2075	265.1074	177.0740	6	I	19	2034.0146	1017.5110	678.6764
642.2916	321.6494	214.7687	7	I	18	1920.9306	**960.9689**	640.9817
755.3756	378.1915	252.4634	8	L	17	1807.8465	**904.4269**	603.2870
856.4233	428.7153	286.1460	9	T	16	1694.7625	**847.8849**	565.5923
927.4604	464.2338	309.8250	10	A	15	1593.7148	**797.3610**	531.9098
1094.4588	547.7330	365.4911	11	S[167]	14	1522.6777	761.8425	508.2307
1231.5177	616.2625	411.1774	12	H	13	1355.6793	**678.3433**	452.5646
1345.5606	**673.2839**	449.1917	13	N	12	1218.6204	**609.8138**	406.8783
1442.6134	721.8103	481.5426	14	P	11	1104.5775	**552.7924**	368.8640
1499.6348	**750.3211**	500.5498	15	G	10	1007.5247	504.2660	336.5131
1556.6563	**778.8318**	519.5570	16	G	9	**950.5033**	**475.7553**	317.5059
1653.7091	**827.3582**	551.9079	17	P	8	**893.4818**	**447.2445**	298.4988
1782.7516	891.8795	594.9221	18	E	7	**796.4290**	398.7182	266.1479
1896.7946	**948.9009**	632.9364	19	N	6	667.3864	334.1969	223.1337
2011.8215	**1006.4144**	**671.2787**	20	D	5	**553.3435**	277.1754	185.1194
2124.9056	**1062.9564**	**708.9734**	21	L	4	**438.3166**	219.6619	146.7770
2181.9270	**1091.4672**	**727.9805**	22	G	3	325.2325	163.1199	109.0824
2295.0111	**1148.0092**	765.6752	23	I	2	268.2111	134.6092	90.0752
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.C$_{143}$TGGIILTAS$_{167}$HNPGGPENDMGIK$_{136}$.Y/3

0.9997

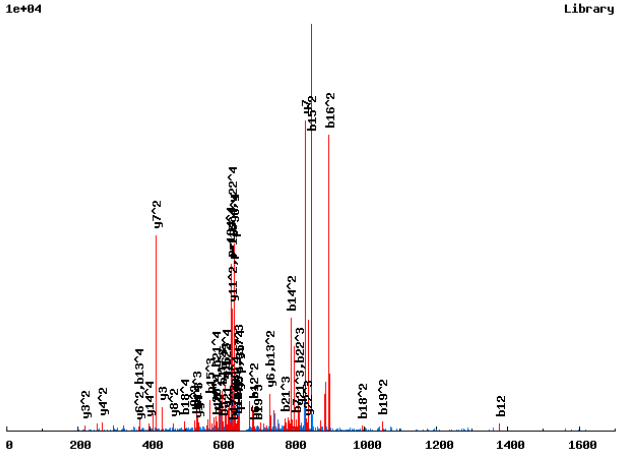


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
144.0114	72.5093	48.6753	1	C[143]	23			
245.0591	123.0332	82.3579	2	T	22	2267.0617	1134.0345	**756.3587**
302.0805	151.5439	101.3650	3	G	21	2166.0140	1083.5106	**722.6762**
359.1020	180.0546	120.3722	4	G	20	2108.9925	1054.9999	**703.6690**
472.1860	236.5967	158.0669	5	I	19	2051.9711	**1026.4892**	**684.6619**
585.2701	293.1387	195.7616	6	I	18	1938.8870	**969.9471**	646.9672
698.3542	349.6807	233.4562	7	L	17	1825.8030	**913.4051**	609.2725
799.4018	400.2046	267.1388	8	T	16	1712.7189	**856.8631**	571.5778
870.4390	435.7231	290.8178	9	A	15	1611.6712	806.3392	537.8953
1037.4373	519.2223	346.4840	10	S[167]	14	1540.6341	**770.8207**	514.2162
1174.4962	587.7518	392.1703	11	H	13	1373.6357	**687.3215**	458.5501
1288.5392	644.7732	430.1846	12	N	12	1236.5768	**618.7921**	412.8638
1385.5919	693.2996	462.5355	13	P	11	1122.5339	**561.7706**	374.8495
1442.6134	**721.8103**	481.5426	14	G	10	**1025.4811**	513.2442	342.4986
1499.6348	**750.3211**	500.5498	15	G	9	**968.4597**	**484.7335**	323.4914
1596.6876	798.8474	532.9007	16	P	8	**911.4382**	**456.2228**	304.4843
1725.7302	863.3687	575.9149	17	E	7	814.3855	407.6964	272.1333
1839.7731	**920.3902**	613.9292	18	N	6	**685.3429**	343.1751	229.1191
1954.8001	**977.9037**	652.2715	19	D	5	571.2999	286.1536	191.1048
2085.8405	**1043.4239**	695.9517	20	M	4	**456.2730**	228.6401	152.7625
2142.8620	1071.9346	714.9589	21	G	3	**325.2325**	163.1199	109.0824
2255.9461	**1128.4767**	752.6535	22	I	2	268.2111	134.6092	90.0752
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.DADS$_{167}$HSDNDHDSPDNVPSDVHLR$_{166}$.M/4

0.9778

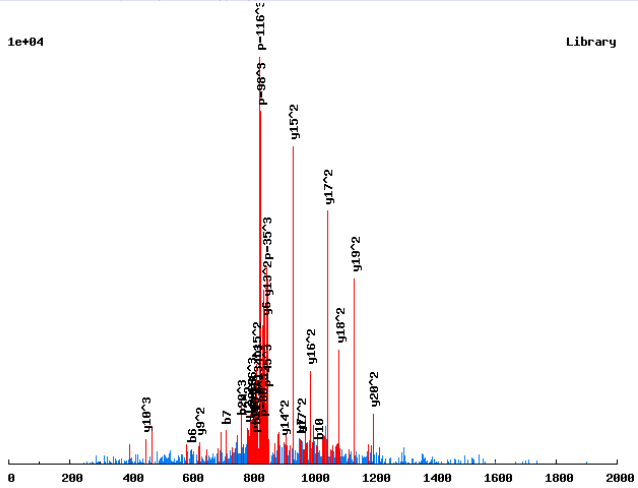


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
116.0342	58.5207	39.3496	29.7640	1	D	23				
187.0713	94.0393	63.0286	47.5233	2	A	22	2519.0094	1260.0083	**840.3413**	**630.5078**
302.0983	151.5528	101.3709	76.2800	3	D	21	2447.9723	1224.4898	**816.6623**	**612.7485**
469.0966	235.0520	157.0371	118.0296	4	S[167]	20	2332.9454	1166.9763	778.3200	**583.9918**
606.1555	303.5814	202.7234	152.2943	5	H	19	2165.9470	1083.4771	722.6539	542.2422
693.1876	347.0974	231.7340	174.0524	6	S	18	2028.8881	1014.9477	676.9675	507.9775
808.2145	404.6109	270.0764	202.8091	7	D	17	1941.8561	971.4317	**647.9569**	486.2195
922.2574	461.6324	308.0907	231.3198	8	N	16	1826.8291	913.9182	**609.6146**	457.4627
1037.2844	519.1458	346.4330	260.0766	9	D	15	1712.7862	856.8967	571.6002	428.9520
1174.3433	**587.6753**	392.1193	294.3413	10	H	14	1597.7592	799.3833	**533.2579**	**400.1953**
1289.3702	**645.1888**	430.4616	323.0980	11	D	13	1460.7003	730.8538	487.5716	365.9305
1376.4023	**688.7048**	459.4723	344.8560	12	S	12	1345.6734	673.3403	449.2293	337.1738
1473.4550	**737.2312**	491.8232	**369.1192**	13	P	11	1258.6414	**629.8243**	420.2186	315.4158
1588.4820	**794.7446**	**530.1655**	397.8760	14	D	10	1161.5886	581.2979	387.8677	291.1526
1702.5249	**851.7661**	**568.1798**	426.3867	15	N	9	1046.5617	**523.7845**	349.5254	262.3959
1801.5933	**901.3003**	**601.2026**	451.1538	16	V	8	932.5187	**466.7630**	311.5111	233.8851
1898.6461	949.8267	**633.5535**	475.4170	17	P	7	**833.4503**	**417.2288**	278.4883	209.1180
1985.6781	**993.3427**	662.5642	**497.1750**	18	S	6	**736.3976**	**368.7024**	246.1374	184.8549
2100.7050	**1050.8562**	**700.9065**	525.9317	19	D	5	**649.3655**	325.1864	217.1267	163.0968
2199.7734	1100.3904	733.9293	550.6988	20	V	4	**534.3386**	**267.6729**	178.7844	134.3401
2336.8324	1168.9198	**779.6156**	**584.9635**	21	H	3	**435.2702**	**218.1387**	145.7616	109.5730
2449.9164	1225.4618	**817.3103**	**613.2346**	22	L	2	298.2113	149.6093	100.0753	75.3083
				23	R[166]	1	185.1272	93.0672	62.3806	47.0373

Annotated spectra from Saleem et. al. 2009

R.DAETADIGDQSEVES$_{167}$DT$_{181}$EELK$_{136}$K$_{136}$.I/3

0.6791

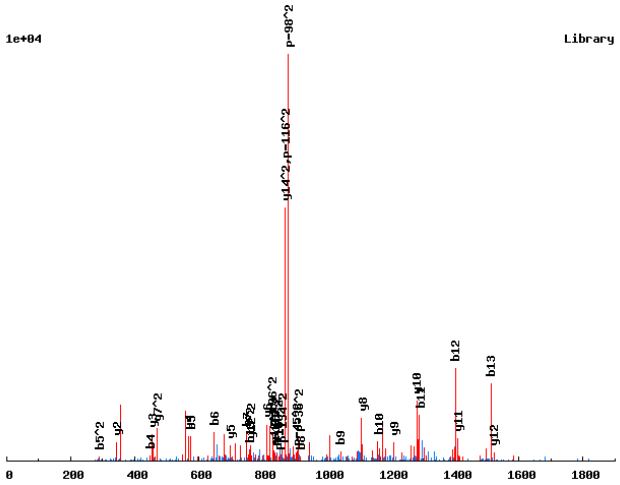


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	22			
187.0713	94.0393	63.0286	2	A	21	2470.0128	1235.5100	**824.0091**
316.1139	158.5606	106.0428	3	E	20	2398.9757	**1199.9915**	**800.3301**
417.1616	209.0844	139.7254	4	T	19	2269.9331	**1135.4702**	757.3159
488.1987	244.6030	163.4044	5	A	18	2168.8854	**1084.9463**	723.6333
603.2256	302.1165	201.7467	6	D	17	2097.8483	**1049.4278**	699.9543
716.3097	358.6585	239.4414	7	I	16	1982.8214	**991.9143**	661.6120
773.3312	387.1692	258.4486	8	G	15	1869.7373	**935.3723**	623.9173
888.3581	444.6827	296.7909	9	D	14	1812.7158	**906.8616**	604.9101
1016.4167	508.7120	339.4771	10	Q	13	1697.6889	**849.3481**	566.5678
1103.4487	552.2280	368.4878	11	S	12	1569.6303	**785.3188**	523.8816
1232.4913	616.7493	411.5020	12	E	11	1482.5983	741.8028	494.8710
1331.5597	666.2835	444.5248	13	V	10	1353.5557	677.2815	**451.8568**
1460.6023	730.8048	487.5390	14	E	9	1254.4873	**627.7473**	418.8340
1627.6007	**814.3040**	543.2051	15	S[167]	8	1125.4447	563.2260	375.8198
1742.6276	871.8174	581.5474	16	D	7	**958.4463**	479.7268	320.1536
1923.6416	**962.3245**	641.8854	17	T[181]	6	**843.4194**	422.2133	281.8113
2052.6842	1026.8457	684.8996	18	E	5	662.4054	331.7063	221.4733
2181.7268	1091.3670	727.9138	19	E	4	533.3628	267.1850	178.4591
2294.8109	1147.9091	**765.6085**	20	L	3	404.3202	202.6637	135.4449
2430.9200	1215.9637	**810.9782**	21	K[136]	2	291.2362	146.1217	97.7502
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.DAFLEATS$_{167}$EDEIIS$_{167}$R.A/2

1

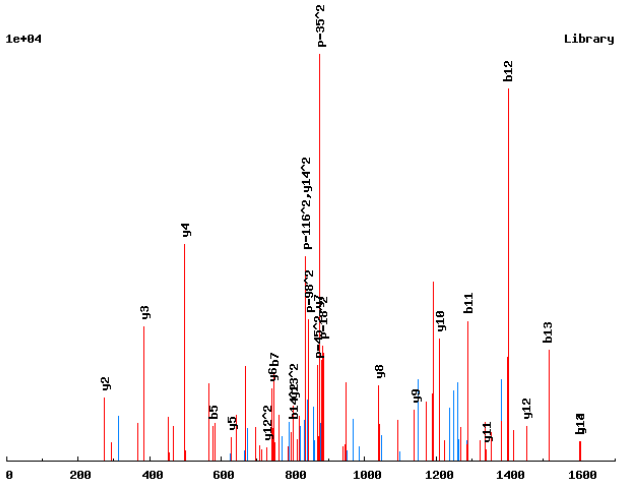


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	15		
187.0713	94.0393	2	A	14	1740.7129	**870.8601**
334.1397	167.5735	3	F	13	1669.6758	**835.3415**
447.2238	224.1155	4	L	12	**1522.6074**	**761.8073**
576.2664	**288.6368**	5	E	11	**1409.5233**	705.2653
647.3035	324.1554	6	A	10	**1280.4807**	640.7440
748.3512	374.6792	7	T	9	**1209.4436**	605.2254
915.3495	458.1784	8	S[167]	8	**1108.3959**	554.7016
1044.3921	522.6997	9	E	7	941.3976	**471.2024**
1159.4191	580.2132	10	D	6	**812.3550**	406.6811
1288.4617	644.7345	11	E	5	**697.3280**	349.1677
1401.5457	701.2765	12	I	4	**568.2854**	284.6464
1514.6298	**757.8185**	13	I	3	**455.2014**	228.1043
1681.6281	841.3177	14	S[167]	2	**342.1173**	171.5623
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.DAFLEATS$_{167}$EDEIISR$_{166}$.A/2

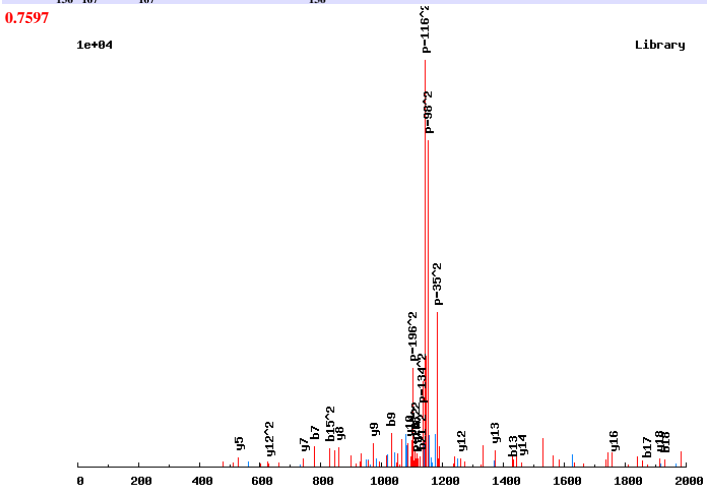
0.9998



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	15		
187.0713	94.0393	2	A	14	1670.7548	**835.8810**
334.1397	167.5735	3	F	13	**1599.7177**	**800.3625**
447.2238	224.1155	4	L	12	**1452.6493**	**726.8283**
576.2664	288.6368	5	E	11	**1339.5652**	670.2863
647.3035	324.1554	6	A	10	**1210.5226**	605.7650
748.3512	374.6792	7	T	9	**1139.4855**	570.2464
915.3495	458.1784	8	S[167]	8	**1038.4379**	519.7226
1044.3921	522.6997	9	E	7	**871.4395**	436.2234
1159.4191	580.2132	10	D	6	**742.3969**	371.7021
1288.4617	644.7345	11	E	5	**627.3700**	314.1886
1401.5457	701.2765	12	I	4	**498.3274**	249.6673
1514.6298	757.8185	13	I	3	**385.2433**	193.1253
1601.6618	**801.3345**	14	S	2	**272.1592**	136.5833
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.DAK$_{136}$S$_{167}$SAES$_{167}$SNATNNNTLGTESK$_{136}$L/2

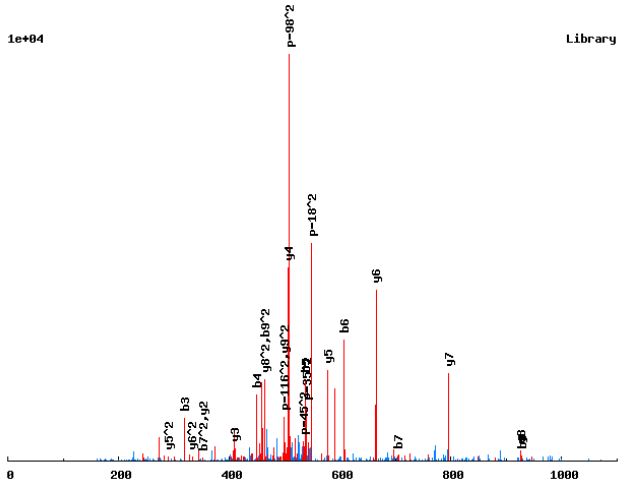


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	22		
187.0713	94.0393	2	A	21	2286.9458	**1143.9765**
323.1805	162.0939	3	K[136]	20	2215.9086	**1108.4580**
490.1788	245.5931	4	S[167]	19	2079.7995	1040.4034
577.2109	289.1091	5	S	18	**1912.8011**	956.9042
648.2480	324.6276	6	A	17	1825.7691	913.3882
777.2906	389.1489	7	E	16	**1754.7320**	877.8696
944.2889	472.6481	8	S[167]	15	1625.6894	813.3483
1031.3210	516.1641	9	S	14	**1458.6910**	729.8492
1145.3639	573.1856	10	N	13	**1371.6590**	686.3331
1216.4010	608.7041	11	A	12	**1257.6161**	**629.3117**
1317.4487	659.2280	12	T	11	1186.5790	593.7931
1431.4916	716.2495	13	N	10	**1085.5313**	543.2693
1545.5346	773.2709	14	N	9	**971.4884**	486.2478
1659.5775	**830.2924**	15	N	8	**857.4454**	429.2264
1760.6252	880.8162	16	T	7	**743.4025**	372.2049
1873.7092	937.3583	17	L	6	642.3548	321.6810
1930.7307	965.8690	18	G	5	**529.2708**	265.1390
2031.7784	1016.3928	19	T	4	472.2493	236.6283
2160.8210	1080.9141	20	E	3	371.2016	186.1044
2247.8530	**1124.4301**	21	S	2	242.1590	121.5832
		22	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.DAMMSAPGS$_{167}$R$_{166}$.S/2

0.9998

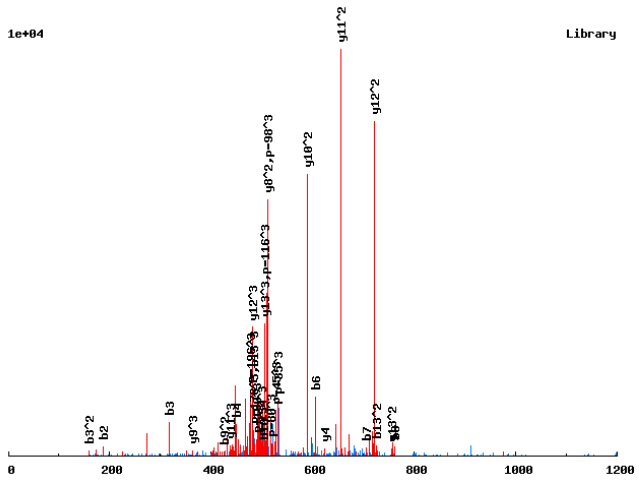


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	10		
187.0713	94.0393	2	A	9	997.3870	**499.1972**
318.1118	159.5596	3	M	8	**926.3499**	**463.6786**
449.1523	225.0798	4	M	7	**795.3094**	398.1584
536.1843	268.5958	5	S	6	**664.2689**	**332.6381**
607.2215	304.1144	6	A	5	**577.2369**	**289.1221**
704.2742	**352.6407**	7	P	4	**506.1998**	253.6035
761.2957	381.1515	8	G	3	**409.1470**	205.0772
928.2940	**464.6507**	9	S[167]	2	**352.1256**	176.5664
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.DAMMSAPGSRS$_{167}$NS$_{167}$R.R/3

0.9424

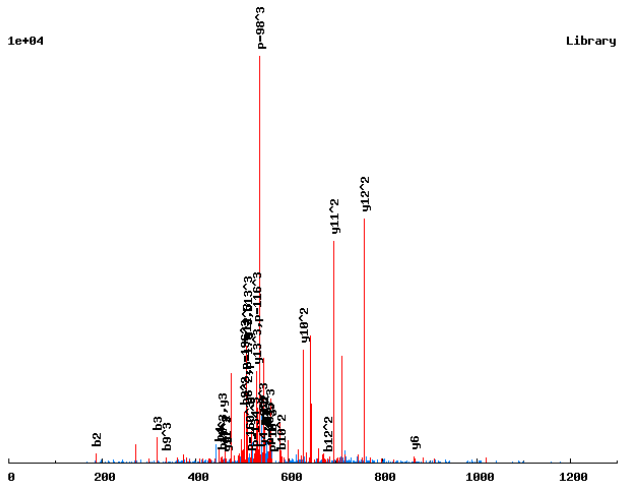


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	14			
187.0713	94.0393	63.0286	2	A	13	1511.5532	**756.2802**	**504.5226**
318.1118	**159.5596**	106.7088	3	M	12	1440.5161	**720.7617**	**480.8435**
449.1523	225.0798	150.3890	4	M	11	1309.4756	**655.2414**	**437.1634**
536.1843	268.5958	179.3996	5	S	10	1178.4351	**589.7212**	393.4832
607.2215	304.1144	203.0787	6	A	9	1091.4031	546.2052	**364.4725**
704.2742	352.6407	235.4296	7	P	8	1020.3660	**510.6866**	340.7935
761.2957	381.1515	254.4367	8	G	7	923.3132	462.1602	308.4426
848.3277	**424.6675**	283.4474	9	S	6	866.2917	433.6495	289.4354
1004.4288	**502.7180**	335.4811	10	R	5	779.2597	390.1335	260.4248
1171.4272	586.2172	391.1472	11	S[167]	4	**623.1586**	312.0829	208.3911
1285.4701	643.2387	429.1616	12	N	3	456.1602	228.5838	152.7249
1452.4685	**726.7379**	**484.8277**	13	S[167]	2	342.1173	171.5623	114.7106
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DAMMS$_{167}$APGS$_{167}$RSNS$_{167}$R.R/3

0.9166

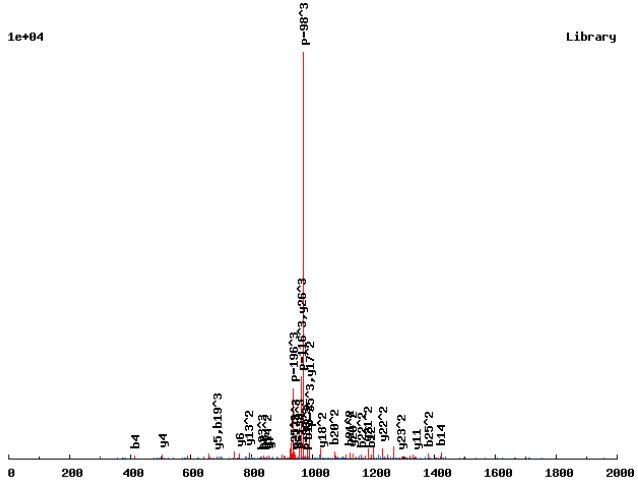


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	14			
187.0713	94.0393	63.0286	2	A	13	1591.5195	796.2634	**531.1780**
318.1118	159.5596	106.7088	3	M	12	1520.4824	**760.7448**	**507.4990**
449.1523	225.0798	150.3890	4	M	11	1389.4419	**695.2246**	**463.8188**
616.1507	308.5790	206.0551	5	S[167]	10	1258.4014	**629.7044**	420.1387
687.1878	344.0975	229.7341	6	A	9	1091.4031	**546.2052**	364.4725
784.2405	392.6239	262.0850	7	P	8	1020.3660	**510.6866**	340.7935
841.2620	421.1346	281.0922	8	G	7	923.3132	**462.1602**	308.4426
1008.2604	**504.6338**	**336.7583**	9	S[167]	6	**866.2917**	433.6495	289.4354
1164.3615	**582.6844**	388.7920	10	R	5	699.2934	350.1503	233.7693
1251.3935	626.2004	417.8027	11	S	4	**543.1923**	272.0998	181.7356
1365.4364	**683.2219**	**455.8170**	12	N	3	**456.1602**	228.5838	152.7249
1532.4348	766.7210	**511.4831**	13	S[167]	2	342.1173	171.5623	114.7106
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DANIKPVVNAAVNDNQS$_{167}$KVSVAT$_{181}$EQTK.K/3

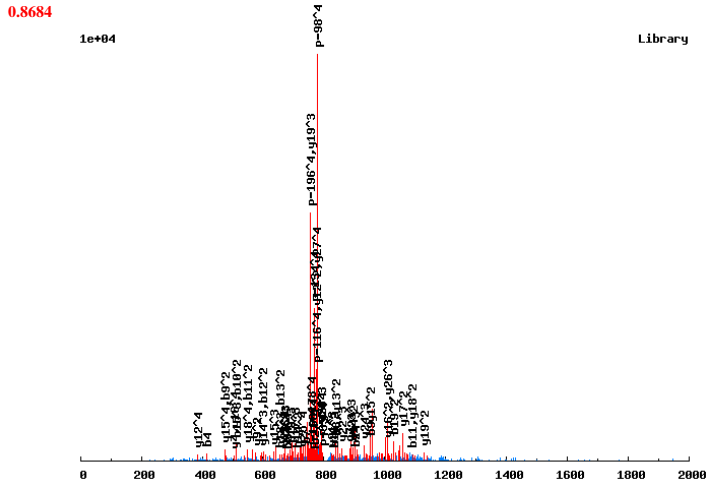
0.9986



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	27			
187.0713	94.0393	63.0286	2	A	26	2885.3805	1443.1939	**962.4650**
301.1143	151.0608	101.0429	3	N	25	2814.3434	1407.6753	**938.7860**
414.1983	207.6028	138.7376	4	I	24	2700.3005	1350.6539	900.7717
542.2933	271.6503	181.4359	5	K	23	2587.2164	**1294.1119**	863.0770
639.3460	320.1767	213.7869	6	P	22	2459.1215	**1230.0644**	820.3787
738.4145	369.7109	246.8097	7	V	21	2362.0687	**1181.5380**	788.0278
837.4829	419.2451	279.8325	8	V	20	2263.0003	**1132.0038**	755.0050
951.5258	476.2665	317.8468	9	N	19	2163.9319	1082.4696	721.9821
1022.5629	511.7851	341.5258	10	A	18	2049.8890	**1025.4481**	683.9678
1093.6000	547.3036	365.2049	11	A	17	1978.8518	**989.9296**	660.2888
1192.6684	596.8379	398.2277	12	V	16	1907.8147	954.4110	636.6098
1306.7114	653.8593	436.2420	13	N	15	1808.7463	904.8768	603.5870
1421.7383	711.3728	474.5843	14	D	14	1694.7034	**847.8553**	565.5727
1535.7812	768.3943	512.5986	15	N	13	1579.6765	**790.3419**	527.2303
1663.8398	832.4235	555.2848	16	Q	12	1465.6335	733.3204	489.2160
1830.8382	915.9227	610.9509	17	S[167]	11	**1337.5749**	669.2911	446.5298
1958.9331	**979.9702**	653.6492	18	K	10	1170.5766	585.7919	390.8637
2058.0015	1029.5044	**686.6720**	19	V	9	1042.4816	521.7445	348.1654
2145.0336	**1073.0204**	715.6827	20	S	8	943.4132	472.2102	315.1426
2244.1020	**1122.5546**	748.7055	21	V	7	**856.3812**	428.6942	286.1319
2315.1391	**1158.0732**	772.3845	22	A	6	**757.3128**	379.1600	253.1091
2496.1531	1248.5802	**832.7226**	23	T[181]	5	**686.2757**	343.6415	229.4301
2625.1957	1313.1015	875.7367	24	E	4	**505.2617**	253.1345	169.0921
2753.2543	**1377.1308**	918.4229	25	Q	3	376.2191	188.6132	126.0779
2854.3019	1427.6546	952.1055	26	T	2	248.1605	124.5839	83.3917
			27	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.DANIKPVVNAAVNDNQS$_{167}$KVS$_{167}$VAT$_{181}$EQTKK.T/4

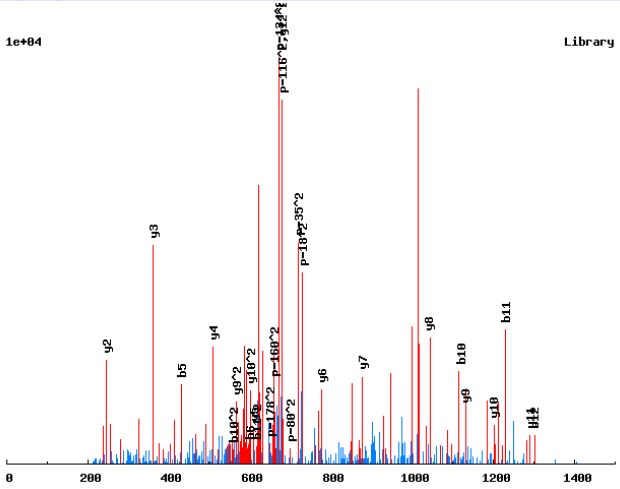


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
116.0342	58.5207	39.3496	29.7640	1	D	28				
187.0713	94.0393	63.0286	47.5233	2	A	27	3093.4418	1547.2245	1031.8188	**774.1159**
301.1143	151.0608	101.0429	76.0340	3	N	26	3022.4047	1511.7060	**1008.1398**	756.3566
414.1983	207.6028	138.7376	104.3050	4	I	25	2908.3618	1454.6845	970.1254	**727.8459**
542.2933	271.6503	181.4359	136.3288	5	K	24	2795.2777	1398.1425	**932.4308**	699.5749
639.3460	320.1767	213.7869	160.5920	6	P	23	2667.1828	1334.0950	**889.7324**	**667.5511**
738.4145	369.7109	246.8097	185.3591	7	V	22	2570.1300	1285.5686	**857.3815**	643.2880
837.4829	419.2451	279.8325	210.1262	8	V	21	2471.0616	1236.0344	**824.3587**	618.5209
951.5258	**476.2665**	317.8468	238.6369	9	N	20	2371.9932	1186.5002	**791.3359**	593.7538
1022.5629	**511.7851**	341.5258	256.3962	10	A	19	2257.9502	**1129.4788**	**753.3216**	565.2430
1093.6000	**547.3036**	365.2049	274.1555	11	A	18	2186.9131	**1093.9602**	729.6426	**547.4837**
1192.6684	**596.8379**	398.2277	298.9226	12	V	17	2115.8760	**1058.4417**	**705.9635**	529.7245
1306.7114	**653.8593**	436.2420	327.4333	13	N	16	2016.8076	**1008.9074**	**672.9407**	**504.9574**
1421.7383	**711.3728**	474.5843	356.1900	14	D	15	1902.7647	**951.8860**	**634.9264**	**476.4466**
1535.7812	768.3943	**512.5986**	384.7008	15	N	14	1787.7377	**894.3725**	**596.5841**	447.6899
1663.8398	**832.4235**	555.2848	416.7154	16	Q	13	1673.6948	**837.3510**	558.5698	419.1792
1830.8382	915.9227	610.9509	458.4650	17	S[167]	12	1545.6362	**773.3218**	515.8836	**387.1645**
1958.9331	979.9702	**653.6492**	490.4887	18	K	11	1378.6379	689.8226	460.2175	345.4149
2058.0015	**1029.5044**	**686.6720**	515.2558	19	V	10	1250.5429	625.7751	417.5192	313.3912
2224.9999	1113.0036	742.3382	557.0054	20	S[167]	9	1151.4745	**576.2409**	384.4964	288.6241
2324.0683	1162.5378	775.3610	581.7725	21	V	8	984.4761	492.7417	328.8302	246.8745
2395.1054	1198.0563	799.0400	599.5318	22	A	7	**885.4077**	443.2075	295.8074	222.1074
2576.1194	1288.5634	859.3780	644.7853	23	T[181]	6	814.3706	407.6890	272.1284	204.3481
2705.1620	1353.0846	**902.3922**	**677.0460**	24	E	5	633.3566	317.1819	211.7904	159.0946
2833.2206	1417.1139	945.0784	709.0606	25	Q	4	**504.3140**	252.6607	168.7762	126.8340
2934.2683	1467.6378	978.7609	734.3225	26	T	3	376.2554	188.6314	126.0900	94.8193
3062.3632	1531.6853	1021.4593	**766.3463**	27	K	2	275.2078	138.1075	92.4074	69.5574
				28	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

K.DASASS$_{167}$TS$_{167}$TFDAR.A/2

0.9967

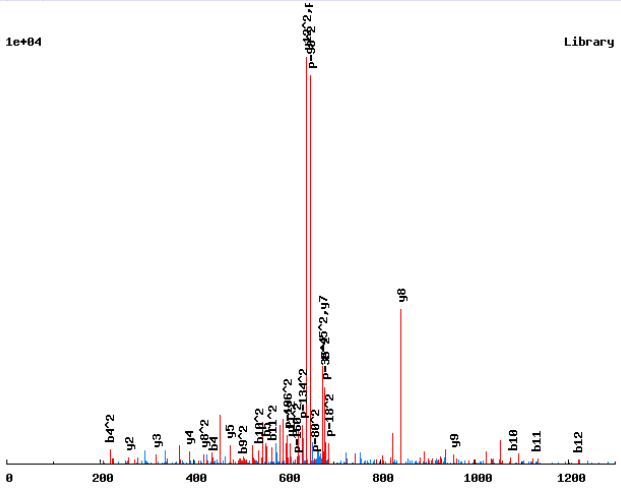


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	13		
187.0713	94.0393	2	A	12	1360.4818	**680.7445**
274.1034	137.5553	3	S	11	**1289.4447**	645.2260
345.1405	173.0739	4	A	10	**1202.4126**	**601.7100**
432.1725	216.5899	5	S	9	**1131.3755**	**566.1914**
599.1709	300.0891	6	S[167]	8	**1044.3435**	522.6754
700.2185	350.6129	7	T	7	**877.3451**	439.1762
867.2169	434.1121	8	S[167]	6	**776.2975**	388.6524
968.2646	484.6359	9	T	5	**609.2991**	305.1532
1115.3330	**558.1701**	10	F	4	**508.2514**	254.6293
1230.3599	**615.6836**	11	D	3	**361.1830**	181.0951
1301.3970	651.2022	12	A	2	**246.1561**	123.5817
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.DASS$_{167}$LS$_{167}$PTSAGSR.K/2

0.996

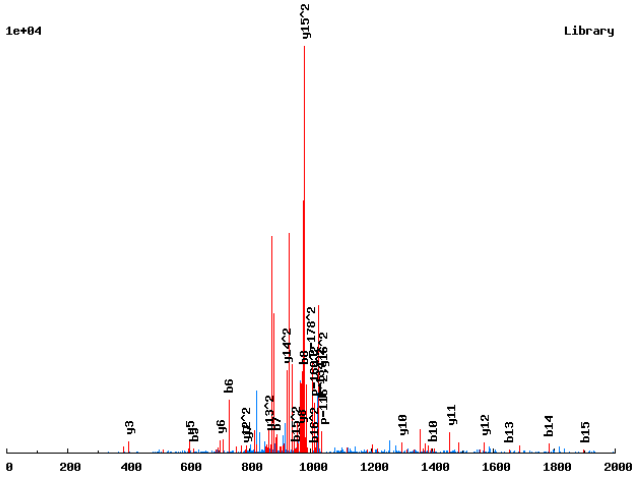


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	13		
187.0713	94.0393	2	A	12	1280.4919	**640.7496**
274.1034	137.5553	3	S	11	1209.4548	**605.2311**
441.1017	**221.0545**	4	S[167]	10	1122.4228	561.7150
554.1858	277.5965	5	L	9	**955.4244**	478.2159
721.1841	361.0957	6	S[167]	8	**842.3404**	**421.6738**
818.2369	409.6221	7	P	7	**675.3420**	338.1747
919.2846	460.1459	8	T	6	578.2893	289.6483
1006.3166	**503.6619**	9	S	5	**477.2416**	239.1244
1077.3537	**539.1805**	10	A	4	**390.2095**	195.6084
1134.3752	**567.6912**	11	G	3	**319.1724**	160.0899
1221.4072	611.2072	12	S	2	**262.1510**	131.5791
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.DDDIRDRSY$_{243}$T$_{181}$SVAELNR.E/2

0.8687

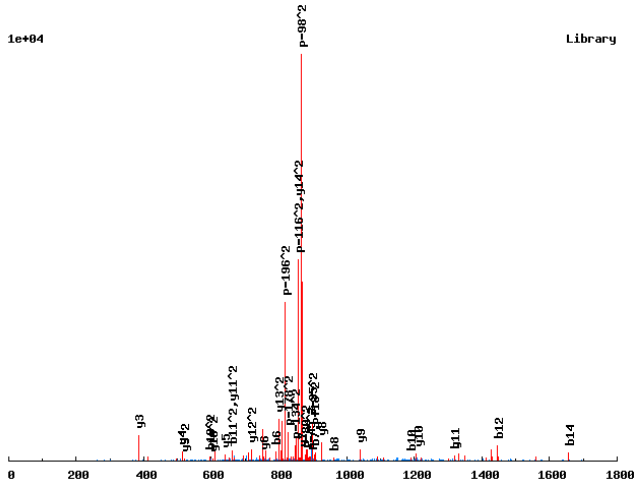


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	17		
231.0612	116.0342	2	D	16	2069.8689	**1035.4381**
346.0881	173.5477	3	D	15	1954.8419	**977.9246**
459.1722	230.0897	4	I	14	1839.8150	**920.4111**
615.2733	308.1403	5	R	13	1726.7309	**863.8691**
730.3002	365.6537	6	D	12	**1570.6298**	**785.8186**
886.4013	443.7043	7	R	11	**1455.6029**	728.3051
973.4334	487.2203	8	S	10	**1299.5018**	650.2545
1216.4630	608.7351	9	Y[243]	9	1212.4698	606.7385
1397.4770	699.2422	10	T[181]	8	**969.4401**	485.2237
1484.5091	742.7582	11	S	7	**788.4261**	394.7167
1583.5775	792.2924	12	V	6	**701.3940**	351.2007
1654.6146	827.8109	13	A	5	**602.3256**	301.6665
1783.6572	892.3322	14	E	4	531.2885	266.1479
1896.7412	**948.8743**	15	L	3	**402.2459**	201.6266
2010.7842	**1005.8957**	16	N	2	289.1619	145.0846
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.DDS$_{167}$INS$_{167}$LGNNKQPLR.K/2

0.9641

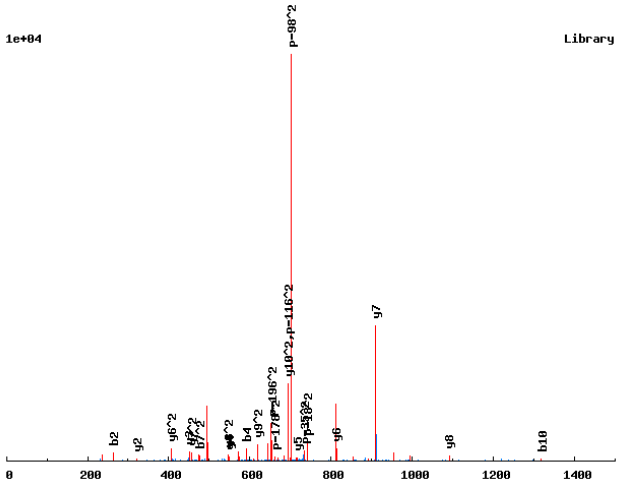


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	15		
231.0612	116.0342	2	D	14	1715.7513	**858.3793**
398.0595	199.5334	3	S[167]	13	1600.7244	**800.8658**
511.1436	256.0754	4	I	12	1433.7260	**717.3667**
625.1865	313.0969	5	N	11	**1320.6420**	**660.8246**
792.1849	396.5961	6	S[167]	10	**1206.5991**	**603.8032**
905.2689	453.1381	7	L	9	**1039.6007**	**520.3040**
962.2904	481.6488	8	G	8	**926.5166**	463.7620
1076.3333	538.6703	9	N	7	**869.4952**	435.2512
1190.3763	**595.6918**	10	N	6	**755.4522**	378.2298
1318.4712	**659.7392**	11	K	5	**641.4093**	321.2083
1446.5298	723.7685	12	Q	4	**513.3144**	257.1608
1543.5826	772.2949	13	P	3	**385.2558**	193.1315
1656.6666	828.8369	14	L	2	288.2030	144.6051
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.DFFT$_{181}$PPS$_{167}$VQHR$_{166}$.Y/2

0.9994

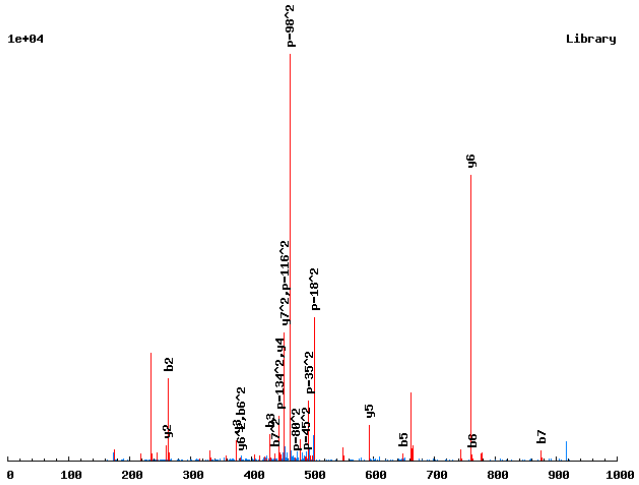


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	11		
263.1026	132.0550	2	F	10	1385.5678	**693.2876**
410.1710	205.5892	3	F	9	1238.4994	**619.7534**
591.1851	296.0962	4	T[181]	8	**1091.4310**	**546.2191**
688.2378	344.6225	5	P	7	**910.4170**	**455.7121**
785.2906	393.1489	6	P	6	**813.3642**	**407.1858**
952.2889	**476.6481**	7	S[167]	5	**716.3115**	358.6594
1051.3573	526.1823	8	V	4	**549.3131**	275.1602
1179.4159	590.2116	9	Q	3	**450.2447**	225.6260
1316.4748	658.7411	10	H	2	**322.1861**	161.5967
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.DFS$_{167}$FANLK.Q/2

0.9852

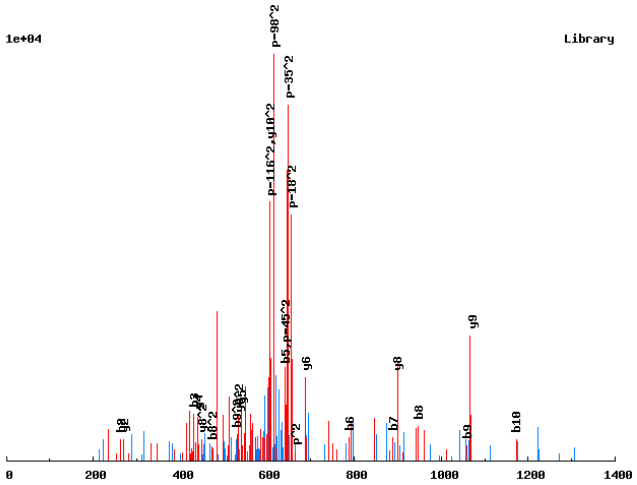


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	8		
263.1026	132.0550	2	F	7	906.4121	**453.7097**
430.1010	215.5541	3	S[167]	6	**759.3437**	**380.1755**
577.1694	289.0883	4	F	5	**592.3453**	296.6763
648.2065	324.6069	5	A	4	**445.2769**	223.1421
762.2494	**381.6284**	6	N	3	**374.2398**	187.6235
875.3335	**438.1704**	7	L	2	**260.1969**	130.6021
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.DFS$_{167}$PNFTGIDK$_{136}$.L/2

0.9977

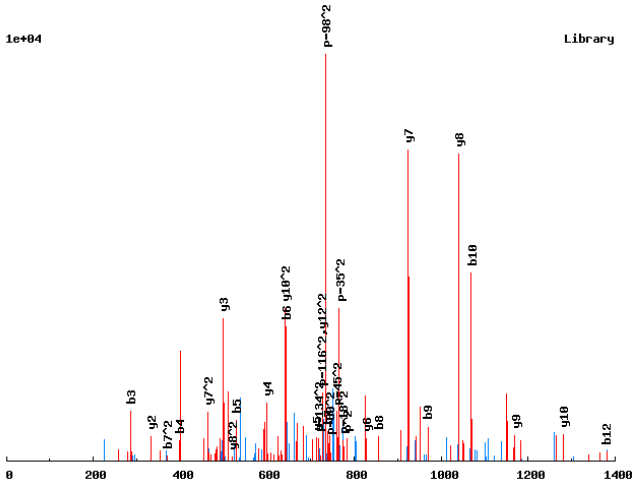


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	11		
263.1026	132.0550	2	F	10	1213.5380	**607.2726**
430.1010	215.5541	3	S[167]	9	**1066.4696**	**533.7384**
527.1538	264.0805	4	P	8	**899.4712**	**450.2393**
641.1967	321.1020	5	N	7	802.4185	401.7129
788.2651	394.6362	6	F	6	**688.3755**	344.6914
889.3128	445.1600	7	T	5	**541.3071**	271.1572
946.3342	**473.6708**	8	G	4	**440.2595**	220.6334
1059.4183	**530.2128**	9	I	3	383.2380	192.1226
1174.4452	587.7263	10	D	2	**270.1539**	135.5806
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.DGLLEDPDNVS$_{167}$FR$_{166}$.E/2

0.9998

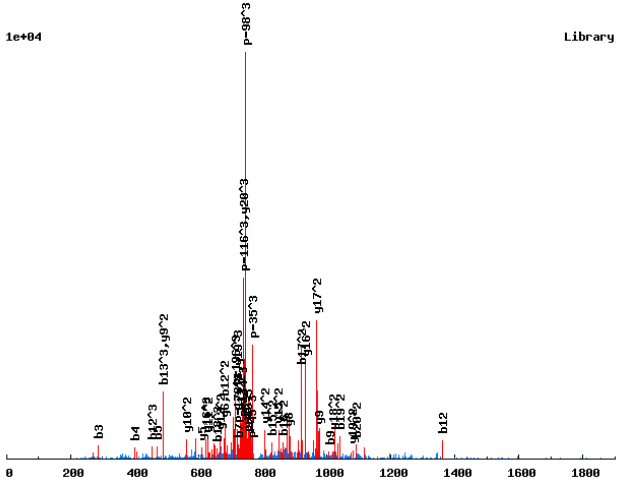


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	13		
173.0557	87.0315	2	G	12	1451.6441	**726.3257**
286.1397	143.5735	3	L	11	1394.6227	697.8150
399.2238	200.1155	4	L	10	**1281.5386**	**641.2729**
528.2664	264.6368	5	E	9	**1168.4546**	584.7309
643.2933	322.1503	6	D	8	**1039.4120**	**520.2096**
740.3461	**370.6767**	7	P	7	**924.3850**	**462.6962**
855.3730	428.1902	8	D	6	**827.3323**	414.1698
969.4160	485.2116	9	N	5	**712.3053**	356.6563
1068.4844	534.7458	10	V	4	**598.2624**	299.6348
1235.4827	618.2450	11	S[167]	3	**499.1940**	250.1006
1382.5511	691.7792	12	F	2	**332.1956**	166.6015
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.DGNLAS$_{167}$SNS$_{167}$AHFPPVANQNVK$_{136}$.S/3

0.9998

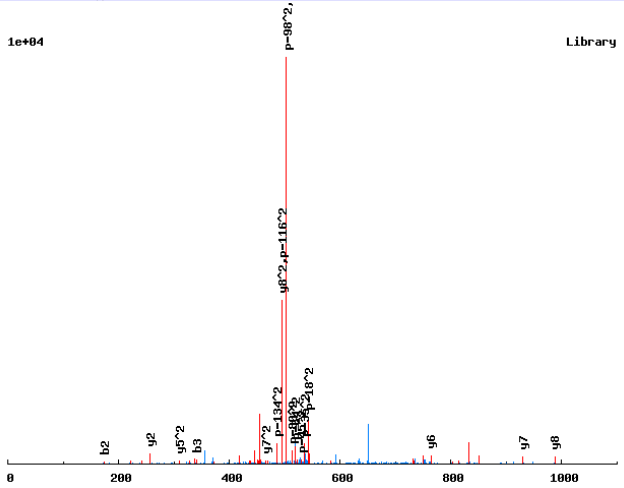


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	21			
173.0557	87.0315	58.3567	2	G	20	2219.9726	1110.4899	**740.6624**
287.0986	144.0529	96.3711	3	N	19	2162.9511	**1081.9792**	**721.6552**
400.1827	200.5950	134.0657	4	L	18	2048.9082	**1024.9577**	683.6409
471.2198	236.1135	157.7448	5	A	17	1935.8241	**968.4157**	645.9462
638.2181	319.6127	213.4109	6	S[167]	16	1864.7870	**932.8971**	**622.2672**
725.2502	363.1287	242.4216	7	S	15	1697.7886	**849.3980**	566.6011
839.2931	420.1502	280.4359	8	N	14	1610.7566	**805.8819**	537.5904
1006.2915	503.6494	336.1020	9	S[167]	13	1496.7137	**748.8605**	499.5761
1077.3286	539.1679	359.7810	10	A	12	1329.7153	**665.3613**	443.9100
1214.3875	607.6974	405.4673	11	H	11	1258.6782	**629.8427**	420.2309
1361.4559	**681.2316**	**454.4902**	12	F	10	1121.6193	**561.3133**	374.5446
1458.5087	**729.7580**	**486.8411**	13	P	9	**974.5509**	**487.7791**	325.5218
1555.5614	778.2843	519.1920	14	P	8	**877.4981**	439.2527	293.1709
1654.6298	**827.8186**	552.2148	15	V	7	780.4454	390.7263	260.8200
1725.6669	**863.3371**	575.8938	16	A	6	**681.3770**	341.1921	227.7972
1839.7099	**920.3586**	613.9081	17	N	5	**610.3398**	305.6736	204.1181
1967.7684	984.3879	**656.5943**	18	Q	4	496.2969	248.6521	166.1038
2081.8114	**1041.4093**	694.6086	19	N	3	368.2383	184.6228	123.4176
2180.8798	**1090.9435**	727.6314	20	V	2	254.1954	127.6013	85.4033
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.DGS$_{167}$FNVM$_{147}$AR$_{166}$.H/2

0.9702

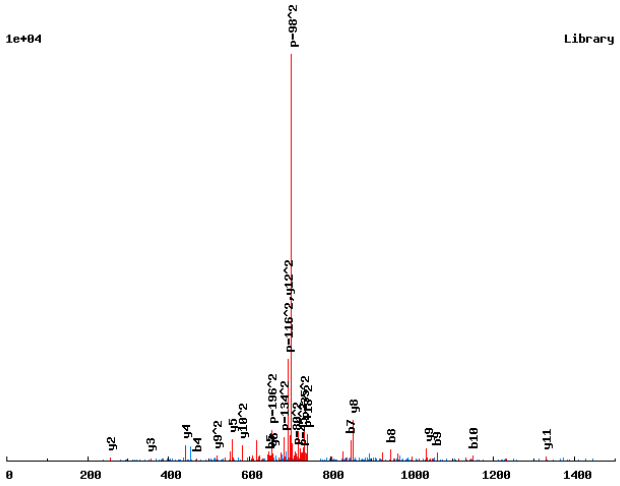


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	9		
173.0557	87.0315	2	G	8	987.3993	494.2033
340.0540	170.5307	3	S[167]	7	930.3778	465.6926
487.1225	244.0649	4	F	6	763.3795	382.1934
601.1654	301.0863	5	N	5	616.3111	308.6592
700.2338	350.6205	6	V	4	502.2681	251.6377
847.2692	424.1382	7	M[147]	3	403.1997	202.1035
918.3063	459.6568	8	A	2	256.1643	128.5858
		9	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.DGS$_{167}$QT$_{181}$PTVDSVTK$_{136}$.D/2

0.9996

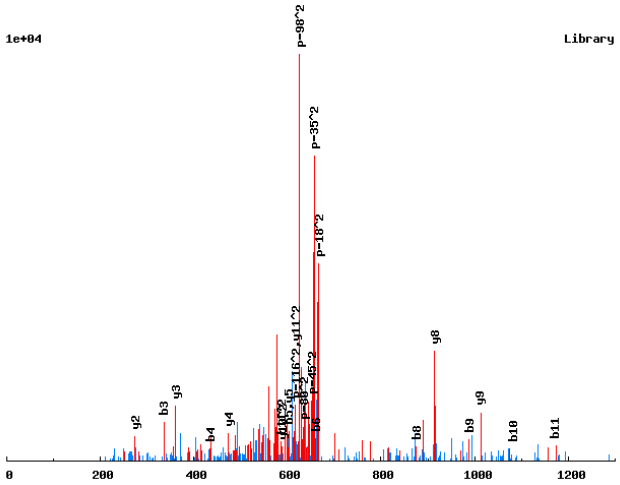


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	13		
173.0557	87.0315	2	G	12	1387.5633	**694.2853**
340.0540	170.5307	3	S[167]	11	**1330.5419**	665.7746
468.1126	234.5600	4	Q	10	1163.5435	**582.2754**
649.1266	325.0670	5	T[181]	9	**1035.4849**	**518.2461**
746.1794	373.5933	6	P	8	**854.4709**	427.7391
847.2271	424.1172	7	T	7	757.4181	379.2127
946.2955	473.6514	8	V	6	**656.3705**	328.6889
1061.3224	531.1649	9	D	5	**557.3021**	279.1547
1148.3545	574.6809	10	S	4	**442.2751**	221.6412
1247.4229	624.2151	11	V	3	**355.2431**	178.1252
1348.4705	674.7389	12	T	2	**256.1747**	128.5910
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.DGYVS$_{167}$GSEISVR.T/2

0.9728



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	12		
173.0557	87.0315	2	G	11	1233.5511	**617.2792**
336.1190	168.5631	3	Y	10	1176.5296	**588.7685**
435.1874	218.0973	4	V	9	**1013.4663**	507.2368
602.1858	301.5965	5	S[167]	8	**914.3979**	457.7026
659.2072	330.1073	6	G	7	747.3995	374.2034
746.2393	373.6233	7	S	6	690.3781	345.6927
875.2819	438.1446	8	E	5	**603.3460**	302.1767
988.3659	494.6866	9	I	4	**474.3034**	237.6554
1075.3980	538.2026	10	S	3	**361.2194**	181.1133
1174.4664	**587.7368**	11	V	2	**274.1874**	137.5973
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.DHDDNS$_{167}$DYES$_{167}$NDT$_{181}$GVNDELK$_{136}$.Q/3

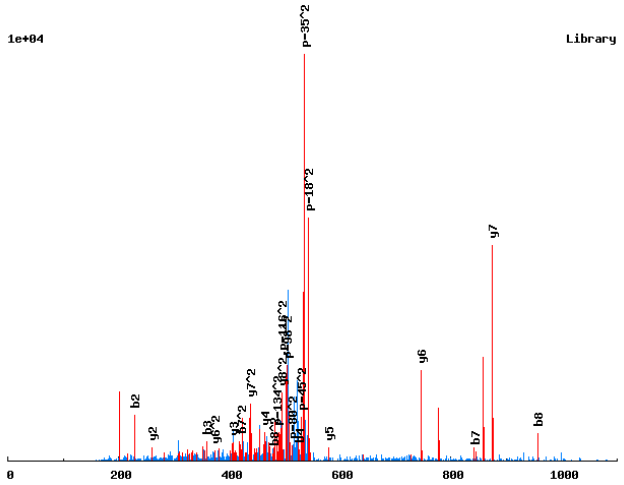
0.715

b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	20			
253.0931	127.0502	85.0359	2	H	19	2414.7826	1207.8949	**805.5990**
368.1201	184.5637	123.3782	3	D	18	2277.7237	**1139.3655**	759.9127
483.1470	242.0771	161.7205	4	D	17	2162.6967	1081.8520	**721.5704**
597.1899	299.0986	199.7348	5	N	16	2047.6698	1024.3385	683.2281
764.1883	382.5978	255.4010	6	S[167]	15	1933.6269	967.3171	645.2138
879.2152	440.1113	293.7433	7	D	14	1766.6285	883.8179	589.5477
1042.2786	521.6429	348.0977	8	Y	13	1651.6016	**826.3044**	551.2054
1171.3212	586.1642	391.1119	9	E	12	1488.5382	**744.7728**	496.8509
1338.3195	669.6634	446.7780	10	S[167]	11	1359.4956	**680.2515**	453.8367
1452.3625	726.6849	484.7923	11	N	10	1192.4973	596.7523	398.1706
1567.3894	**784.1983**	523.1347	12	D	9	**1078.4543**	539.7308	360.1563
1748.4034	874.7053	583.4727	13	T[181]	8	**963.4274**	482.2173	321.8140
1805.4249	**903.2161**	602.4798	14	G	7	782.4134	391.7103	261.4760
1904.4933	**952.7503**	635.5026	15	V	6	**725.3919**	363.1996	242.4688
2018.5362	**1009.7717**	673.5169	16	N	5	**626.3235**	313.6654	209.4460
2133.5631	**1067.2852**	711.8592	17	D	4	512.2806	256.6439	171.4317
2262.6057	**1131.8065**	754.8734	18	E	3	397.2536	199.1305	133.0894
2375.6898	**1188.3485**	**792.5681**	19	L	2	268.2111	134.6092	90.0752
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.DIES$_{167}$DGFIK.D/2

0.8609

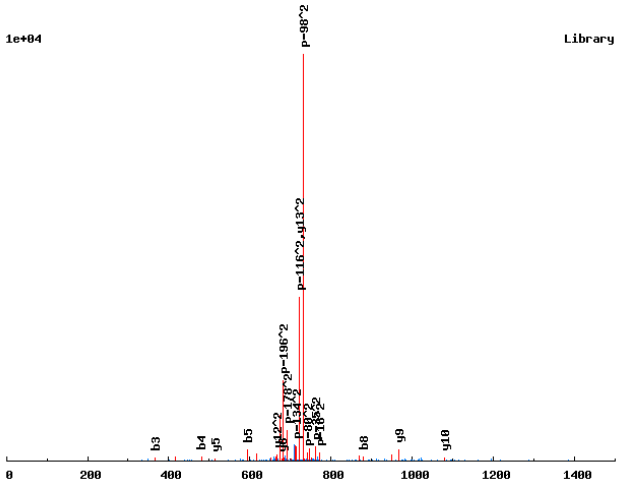


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	9		
229.1183	115.0628	2	I	8	988.4387	**494.7230**
358.1609	179.5841	3	E	7	**875.3546**	**438.1810**
525.1592	263.0833	4	S[167]	6	**746.3120**	**373.6597**
640.1862	320.5967	5	D	5	**579.3137**	290.1605
697.2076	349.1075	6	G	4	**464.2867**	232.6470
844.2760	**422.6417**	7	F	3	**407.2653**	204.1363
957.3601	**479.1837**	8	I	2	**260.1969**	130.6021
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.DIHNIGKTS$_{167}$GGGS$_{167}$R.T/2

0.9828

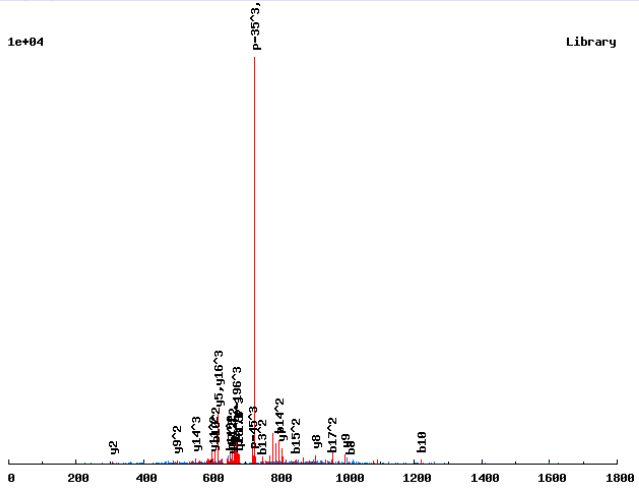


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	14		
229.1183	115.0628	2	I	13	1443.6141	**722.3107**
366.1772	183.5922	3	H	12	1330.5301	**665.7687**
480.2201	240.6137	4	N	11	1193.4711	597.2392
593.3042	297.1557	5	I	10	**1079.4282**	540.2177
650.3256	325.6665	6	G	9	**966.3442**	483.6757
778.4206	389.7139	7	K	8	909.3227	455.1650
879.4683	440.2378	8	T	7	781.2277	391.1175
1046.4666	523.7370	9	S[167]	6	**680.1801**	340.5937
1103.4881	552.2477	10	G	5	**513.1817**	257.0945
1160.5096	580.7584	11	G	4	456.1602	228.5838
1217.5310	609.2692	12	G	3	399.1388	200.0730
1384.5294	692.7683	13	S[167]	2	342.1173	171.5623
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.DKDSNS$_{167}$S$_{167}$ITISTSTPSEMR.K/3

0.6272

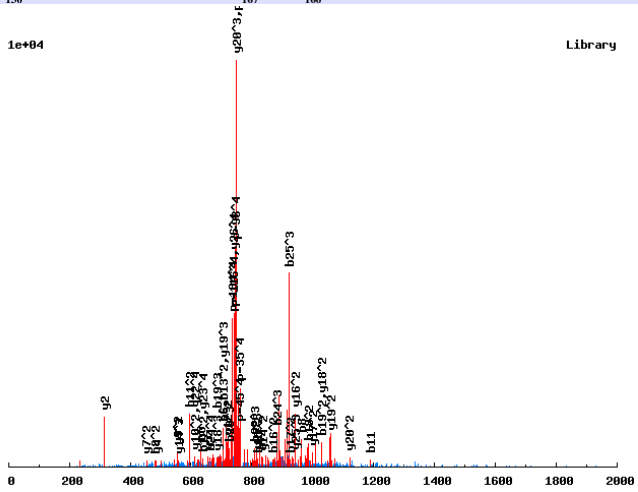


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	19			
244.1292	122.5682	82.0479	2	K	18	2100.8556	1050.9315	700.9567
359.1561	180.0817	120.3902	3	D	17	1972.7607	986.8840	**658.2584**
446.1881	223.5977	149.4009	4	S	16	1857.7337	929.3705	**619.9161**
560.2311	280.6192	187.4152	5	N	15	1770.7017	885.8545	590.9054
727.2294	364.1184	243.0813	6	S[167]	14	1656.6588	828.8330	**552.8911**
894.2278	447.6175	298.7475	7	S[167]	13	1489.6604	745.3338	497.2250
1007.3119	504.1596	336.4421	8	I	12	1322.6620	**661.8347**	441.5589
1108.3595	554.6834	370.1247	9	T	11	1209.5780	**605.2926**	403.8642
1221.4436	**611.2254**	407.8194	10	I	10	1108.5303	554.7688	370.1816
1308.4756	**654.7415**	436.8301	11	S	9	**995.4462**	**498.2268**	332.4869
1409.5233	705.2653	470.5126	12	T	8	**908.4142**	454.7107	303.4763
1496.5553	**748.7813**	499.5233	13	S	7	**807.3665**	404.1869	269.7937
1597.6030	**799.3052**	533.2059	14	T	6	720.3345	360.6709	240.7830
1694.6558	**847.8315**	565.5568	15	P	5	**619.2868**	310.1471	207.1005
1781.6878	891.3475	594.5675	16	S	4	522.2341	261.6207	174.7495
1910.7304	**955.8688**	637.5817	17	E	3	435.2020	218.1047	145.7389
2041.7709	1021.3891	**681.2618**	18	M	2	**306.1594**	153.5834	102.7247
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DK$_{136}$K$_{136}$EDAEEGGDSEETTNDSDHDS$_{167}$GDER$_{166}$.S/4

0.8257

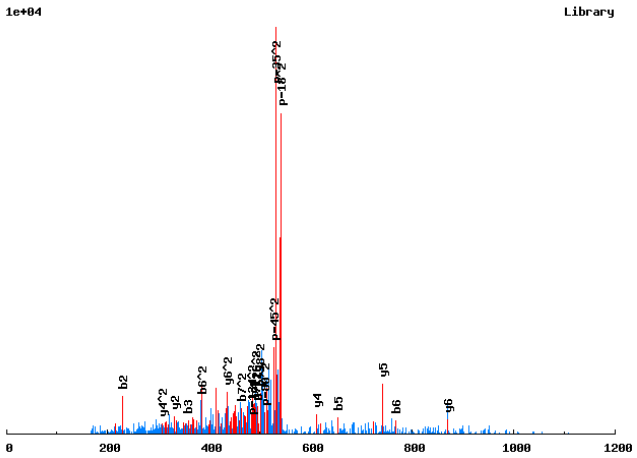


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
116.0342	58.5207	39.3496	29.7640	1	D	27				
252.1434	126.5753	84.7193	63.7913	2	K[136]	26	2958.1238	1479.5656	986.7128	**740.2864**
388.2525	194.6299	130.0890	97.8186	3	K[136]	25	2822.0147	1411.5110	**941.3431**	706.2591
517.2951	259.1512	173.1032	130.0792	4	E	24	2685.9055	1343.4564	895.9734	672.2318
632.3221	316.6647	211.4455	158.8360	5	D	23	2556.8629	1278.9351	852.9592	**639.9712**
703.3592	352.1832	235.1246	176.5953	6	A	22	2441.8360	1221.4216	**814.6168**	**611.2145**
832.4018	416.7045	278.1388	208.8559	7	E	21	2370.7989	1185.9031	790.9378	593.4552
961.4444	**481.2258**	321.1530	241.1165	8	E	20	2241.7563	**1121.3818**	**747.9236**	561.1945
1018.4658	509.7365	340.1601	255.3719	9	G	19	2112.7137	**1056.8605**	**704.9094**	528.9339
1075.4873	538.2473	359.1673	269.6273	10	G	18	2055.6922	**1028.3498**	**685.9023**	514.6785
1190.5142	**595.7607**	397.5096	298.3840	11	D	17	1998.6708	**999.8390**	666.8951	500.4232
1277.5462	**639.2768**	426.5203	320.1420	12	S	16	1883.6438	**942.3256**	628.5528	471.6664
1406.5888	**703.7981**	469.5345	352.4027	13	E	15	1796.6118	898.8095	599.5421	449.9084
1535.6314	768.3194	512.5487	384.6633	14	E	14	1667.5692	**834.2882**	**556.5279**	417.6478
1636.6791	**818.8432**	546.2312	409.9252	15	T	13	1538.5266	769.7669	513.5137	385.3871
1737.7268	**869.3670**	579.9138	435.1872	16	T	12	1437.4789	**719.2431**	479.8312	360.1252
1851.7697	**926.3885**	617.9281	463.6979	17	N	11	1336.4313	668.7193	446.1486	334.8633
1966.7967	**983.9020**	656.2704	492.4546	18	D	10	1222.3883	**611.6978**	408.1343	306.3525
2053.8287	**1027.4180**	**685.2811**	514.2126	19	S	9	1107.3614	**554.1843**	369.7920	277.5958
2168.8556	1084.9315	**723.6234**	542.9694	20	D	8	1020.3294	510.6683	340.7813	255.8378
2305.9145	1153.4609	769.3097	577.2341	21	H	7	905.3024	**453.1549**	302.4390	227.0811
2420.9415	1210.9744	**807.6520**	605.9908	22	D	6	768.2435	384.6254	256.7527	192.8163
2587.9398	1294.4736	863.3181	647.7404	23	S[167]	5	**653.2166**	327.1119	218.4104	164.0596
2644.9613	1322.9843	**882.3253**	**661.9958**	24	G	4	**486.2182**	243.6127	162.7443	122.3100
2759.9882	1380.4978	**920.6676**	690.7525	25	D	3	429.1967	215.1020	143.7371	108.0546
2889.0308	1445.0191	963.6818	723.0132	26	E	2	**314.1698**	157.5885	105.3948	79.2979
				27	R[166]	1	185.1272	93.0672	62.3806	47.0373

Annotated spectra from Saleem et. al. 2009

R.DLEES$_{167}$NRR.Y/2

0.8729

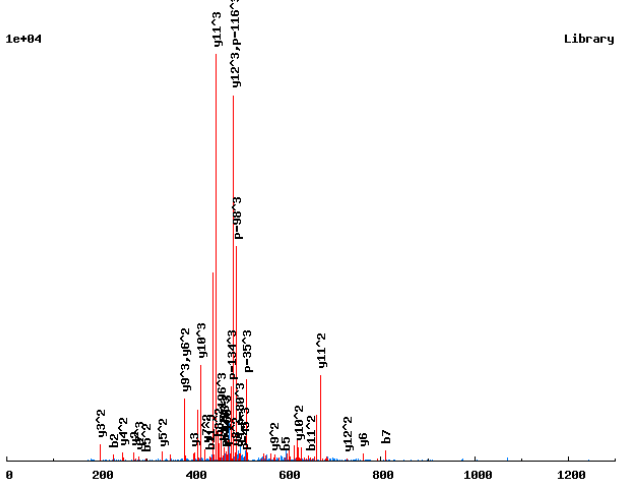


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	**1**	**D**	**8**		
229.1183	115.0628	**2**	**L**	**7**	983.4306	**492.2189**
358.1609	179.5841	**3**	**E**	**6**	**870.3465**	**435.6769**
487.2035	244.1054	**4**	**E**	**5**	**741.3039**	371.1556
654.2018	327.6046	**5**	**S[167]**	**4**	**612.2614**	**306.6343**
768.2448	**384.6260**	**6**	**N**	**3**	445.2630	223.1351
924.3459	**462.6766**	**7**	**R**	**2**	**331.2201**	166.1137
		8	**R**	**1**	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.DLPTS$_{167}$KSPS$_{167}$PKPR.T/3

0.9989

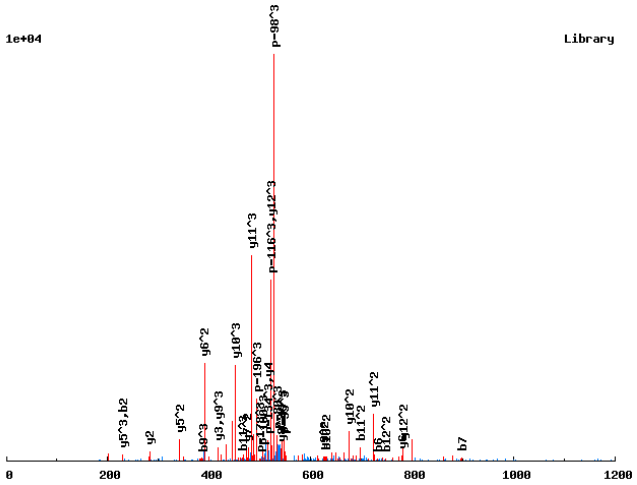


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	13			
229.1183	115.0628	77.0443	2	L	12	1454.6804	**727.8438**	**485.5650**
326.1710	163.5892	109.3952	3	P	11	1341.5963	**671.3018**	**447.8703**
427.2187	214.1130	143.0778	4	T	10	1244.5436	**622.7754**	**415.5194**
594.2171	**297.6122**	198.7439	5	S[167]	9	1143.4959	**572.2516**	**381.8368**
722.3120	361.6597	241.4422	6	K	8	976.4975	**488.7524**	326.1707
809.3441	405.1757	270.4529	7	S	7	848.4026	**424.7049**	**283.4724**
906.3968	**453.7021**	302.8038	8	P	6	**761.3706**	**381.1889**	254.4617
1073.3952	537.2012	358.4699	9	S[167]	5	664.3178	**332.6625**	222.1108
1170.4480	585.7276	390.8208	10	P	4	**497.3194**	**249.1634**	166.4447
1298.5429	**649.7751**	**433.5192**	11	K	3	**400.2667**	**200.6370**	134.0937
1395.5957	698.3015	**465.8701**	12	P	2	**272.1717**	136.5895	91.3954
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DLPTS$_{167}$K$_{136}$S$_{167}$PS$_{167}$PK$_{136}$PR$_{166}$.T/3

0.5978

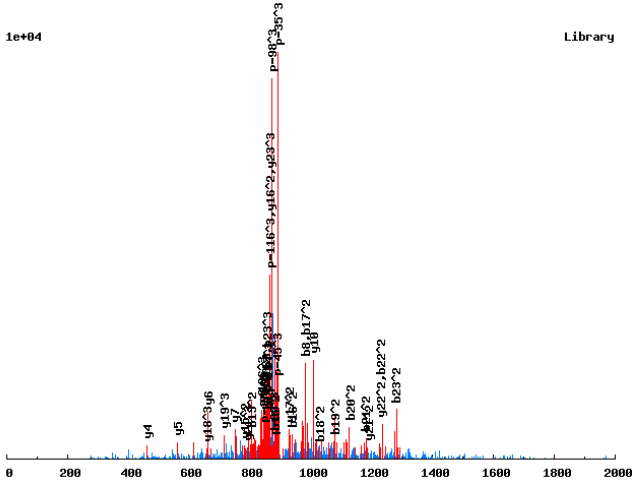


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	13			
229.1183	115.0628	77.0443	2	L	12	1560.6834	**780.8453**	**520.8993**
326.1710	163.5892	109.3952	3	P	11	1447.5993	**724.3033**	**483.2046**
427.2187	214.1130	143.0778	4	T	10	1350.5466	**675.7769**	**450.8537**
594.2171	297.6122	198.7439	5	S[167]	9	1249.4989	**625.2531**	**417.1712**
730.3262	365.6668	244.1136	6	K[136]	8	1082.5005	**541.7539**	361.5050
897.3246	449.1659	299.7797	7	S[167]	7	946.3914	**473.6993**	316.1353
994.3774	497.6923	332.1306	8	P	6	**779.3930**	**390.2001**	260.4692
1161.3757	581.1915	**387.7968**	9	S[167]	5	682.3403	**341.6738**	**228.1183**
1258.4285	**629.7179**	420.1477	10	P	4	**515.3419**	258.1746	172.4522
1394.5376	**697.7725**	**465.5174**	11	K[136]	3	**418.2891**	209.6482	140.1012
1491.5904	**746.2988**	497.8683	12	P	2	**282.1800**	141.5936	94.7315
			13	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.DMPTES$_{167}$NKS$_{167}$INETVGLSSTTNTVK.K/3

0.9358

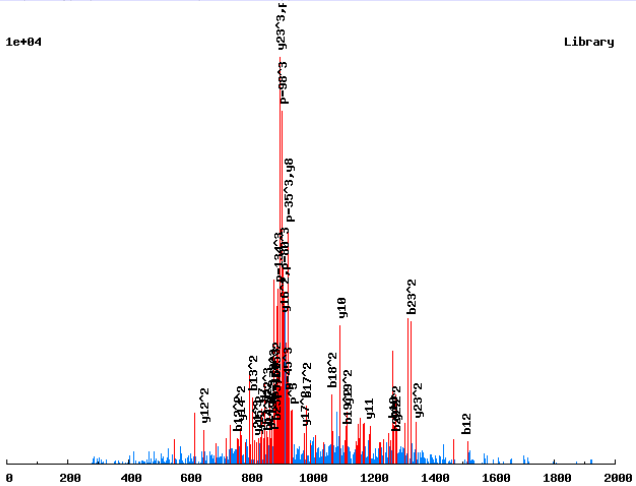


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	24			
247.0747	124.0410	83.0298	2	M	23	2598.1406	1299.5739	**866.7184**
344.1275	172.5674	115.3807	3	P	22	2467.1001	**1234.0537**	823.0382
445.1751	223.0912	149.0632	4	T	21	2370.0473	**1185.5273**	**790.6873**
574.2177	287.6125	192.0774	5	E	20	2268.9996	1135.0035	757.0047
741.2161	371.1117	247.7436	6	S[167]	19	2139.9570	1070.4822	**713.9905**
855.2590	428.1332	285.7579	7	N	18	1972.9587	986.9830	**658.3244**
983.3540	492.1806	328.4562	8	K	17	1858.9158	**929.9615**	620.3101
1150.3524	575.6798	384.1223	9	S[167]	16	1730.8208	**865.9140**	577.6118
1263.4364	632.2218	421.8170	10	I	15	1563.8224	**782.4149**	521.9457
1377.4793	689.2433	459.8313	11	N	14	1450.7384	725.8728	484.2510
1506.5219	753.7646	502.8455	12	E	13	1336.6954	668.8514	446.2367
1607.5696	**804.2884**	536.5281	13	T	12	1207.6528	604.3301	403.2225
1706.6380	**853.8227**	569.5509	14	V	11	1106.6052	553.8062	369.5399
1763.6595	**882.3334**	588.5580	15	G	10	**1007.5368**	504.2720	336.5171
1876.7435	**938.8754**	626.2527	16	L	9	950.5153	475.7613	317.5100
1963.7756	**982.3914**	655.2634	17	S	8	**837.4312**	419.2193	279.8153
2050.8076	**1025.9074**	684.2741	18	S	7	**750.3992**	375.7032	250.8046
2151.8553	**1076.4313**	717.9566	19	T	6	**663.3672**	332.1872	221.7939
2252.9030	**1126.9551**	751.6392	20	T	5	**562.3195**	281.6634	188.1114
2366.9459	**1183.9766**	789.6535	21	N	4	**461.2718**	231.1395	154.4288
2467.9936	**1234.5004**	823.3360	22	T	3	347.2289	174.1181	116.4145
2567.0620	**1284.0346**	**856.3588**	23	V	2	246.1812	123.5942	82.7319
			24	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.DMPTES$_{167}$NK$_{136}$S$_{167}$INETVGLSS$_{167}$TTNTVK$_{136}$.K/3

0.8647

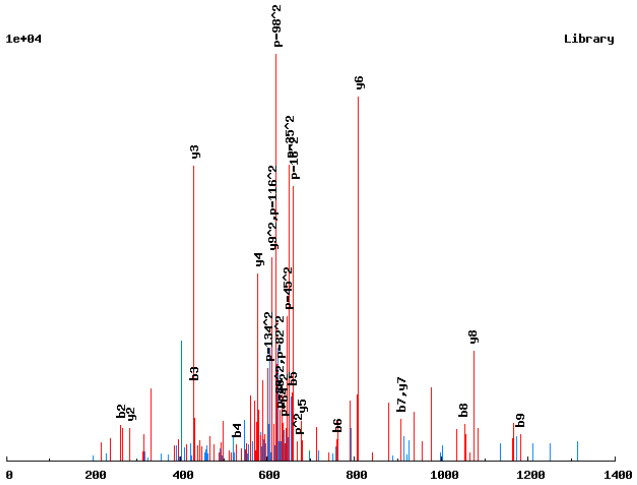


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	24			
247.0747	124.0410	83.0298	2	M	23	2694.1353	**1347.5713**	**898.7166**
344.1275	172.5674	115.3807	3	P	22	2563.0948	**1282.0510**	**855.0365**
445.1751	223.0912	149.0632	4	T	21	2466.0420	1233.5247	**822.6855**
574.2177	287.6125	192.0774	5	E	20	2364.9944	1183.0008	789.0030
741.2161	371.1117	247.7436	6	S[167]	19	2235.9518	**1118.4795**	745.9888
855.2590	428.1332	285.7579	7	N	18	2068.9534	1034.9803	690.3227
991.3682	496.1877	331.1276	8	K[136]	17	1954.9105	**977.9589**	652.3083
1158.3666	579.6869	386.7937	9	S[167]	16	1818.8013	**909.9043**	606.9386
1271.4506	636.2289	424.4884	10	I	15	1651.8030	**826.4051**	551.2725
1385.4935	693.2504	462.5027	11	N	14	1538.7189	**769.8631**	513.5778
1514.5361	**757.7717**	505.5169	12	E	13	1424.6760	712.8416	475.5635
1615.5838	**808.2955**	539.1995	13	T	12	1295.6334	**648.3203**	432.5493
1714.6522	**857.8298**	572.2223	14	V	11	**1194.5857**	597.7965	398.8668
1771.6737	**886.3405**	591.2294	15	G	10	**1095.5173**	548.2623	365.8439
1884.7577	942.8825	628.9241	16	L	9	1038.4958	519.7516	346.8368
1971.7898	**986.3985**	657.9348	17	S	8	**925.4118**	463.2095	309.1421
2138.7881	**1069.8977**	713.6009	18	S[167]	7	**838.3797**	419.6935	280.1314
2239.8358	**1120.4215**	747.2835	19	T	6	671.3814	336.1943	224.4653
2340.8835	1170.9454	780.9660	20	T	5	570.3337	285.6705	190.7828
2454.9264	1227.9669	818.9803	21	N	4	469.2860	235.1466	157.1002
2555.9741	**1278.4907**	852.6629	22	T	3	355.2431	178.1252	119.0859
2655.0425	**1328.0249**	**885.6857**	23	V	2	254.1954	127.6013	85.4033
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.DM$_{147}$S$_{167}$VETFFEK$_{136}$.G/2

0.9992

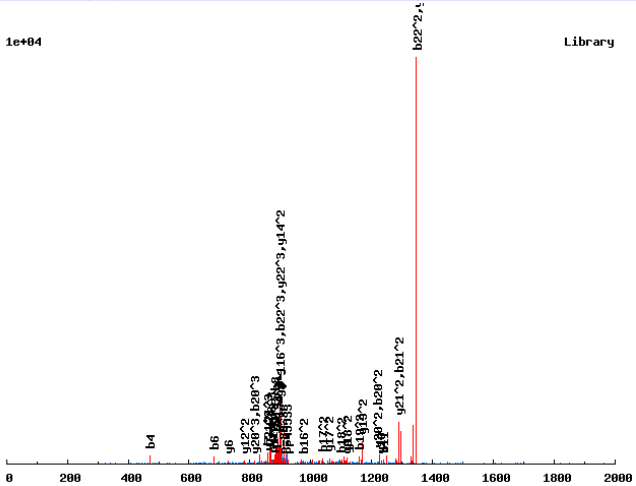


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	10		
263.0696	132.0384	2	M[147]	9	1221.4988	611.2531
430.0680	215.5376	3	S[167]	8	1074.4634	537.7354
529.1364	265.0718	4	V	7	907.4651	454.2362
658.1790	329.5931	5	E	6	808.3967	404.7020
759.2267	380.1170	6	T	5	679.3541	340.1807
906.2951	453.6512	7	F	4	578.3064	289.6568
1053.3635	527.1854	8	F	3	431.2380	216.1226
1182.4061	591.7067	9	E	2	284.1696	142.5884
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.DNKLPLSNENDS$_{167}$S$_{167}$DEEENEKELP.-/3

0.9324

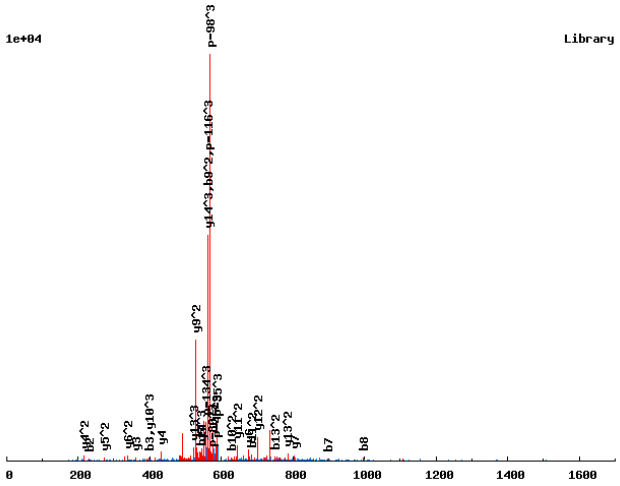


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	23			
230.0771	115.5422	77.3639	2	N	22	2690.0754	**1345.5413**	**897.3633**
358.1721	179.5897	120.0622	3	K	21	2576.0324	**1288.5199**	**859.3490**
471.2562	236.1317	157.7569	4	L	20	2447.9375	**1224.4724**	**816.6507**
568.3089	284.6581	190.1078	5	P	19	2334.8534	**1167.9303**	778.9560
681.3930	341.2001	227.8025	6	L	18	2237.8006	**1119.4040**	746.6051
768.4250	384.7162	256.8132	7	S	17	2124.7166	**1062.8619**	708.9104
882.4679	441.7376	294.8275	8	N	16	2037.6846	1019.3459	679.8997
1011.5105	506.2589	337.8417	9	E	15	1923.6416	962.3245	641.8854
1125.5535	563.2804	375.8560	10	N	14	1794.5990	**897.8032**	598.8712
1240.5804	620.7938	414.1983	11	D	13	1680.5561	840.7817	560.8569
1407.5788	704.2930	469.8644	12	S[167]	12	1565.5292	**783.2682**	522.5146
1574.5771	787.7922	525.5306	13	S[167]	11	1398.5308	699.7690	466.8485
1689.6041	845.3057	563.8729	14	D	10	**1231.5324**	616.2699	411.1823
1818.6467	909.8270	606.8871	15	E	9	**1116.5055**	558.7564	372.8400
1947.6893	**974.3483**	649.9013	16	E	8	987.4629	494.2351	329.8258
2076.7318	**1038.8696**	692.9155	17	E	7	**858.4203**	429.7138	286.8116
2190.7748	**1095.8910**	730.9298	18	N	6	**729.3777**	365.1925	243.7974
2319.8174	**1160.4123**	773.9440	19	E	5	615.3348	308.1710	205.7831
2447.9123	**1224.4598**	**816.6423**	20	K	4	486.2922	243.6497	162.7689
2576.9549	**1288.9811**	**859.6565**	21	E	3	358.1972	179.6023	120.0706
2690.0390	**1345.5231**	**897.3512**	22	L	2	229.1547	115.0810	77.0564
			23	P	1	116.0706	58.5389	39.3617

Annotated spectra from Saleem et. al. 2009

K.DNS$_{167}$DVERVEEDAGKR.L/3

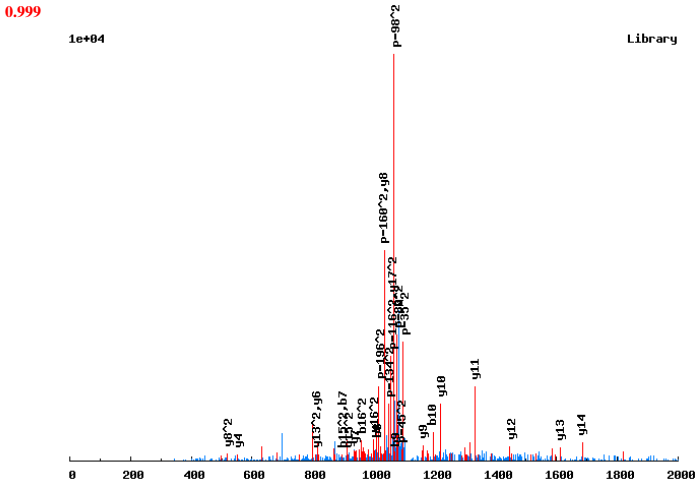
0.9952



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	15			
230.0771	115.5422	77.3639	2	N	14	1683.7334	842.3703	**561.9160**
397.0755	199.0414	133.0300	3	S[167]	13	1569.6904	**785.3489**	**523.9017**
512.1025	256.5549	171.3723	4	D	12	1402.6921	**701.8497**	468.2355
611.1709	306.0891	204.3951	5	V	11	1287.6651	**644.3362**	429.8932
740.2135	370.6104	247.4093	6	E	10	1188.5967	594.8020	**396.8704**
896.3146	448.6609	299.4430	7	R	9	1059.5541	**530.2807**	353.8562
995.3830	498.1951	332.4658	8	V	8	903.4530	452.2301	301.8225
1124.4256	**562.7164**	375.4800	9	E	7	**804.3846**	402.6959	268.7997
1253.4682	**627.2377**	418.4942	10	E	6	**675.3420**	**338.1746**	225.7855
1368.4951	**684.7512**	456.8366	11	D	5	**546.2994**	**273.6534**	182.7713
1439.5322	720.2697	480.5156	12	A	4	**431.2725**	**216.1399**	144.4290
1496.5537	**748.7805**	499.5227	13	G	3	**360.2354**	180.6213	120.7500
1624.6486	812.8280	**542.2211**	14	K	2	303.2139	152.1106	101.7428
			15	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.DNS$_{167}$FAS$_{167}$INGQPEQELQYK.E/2

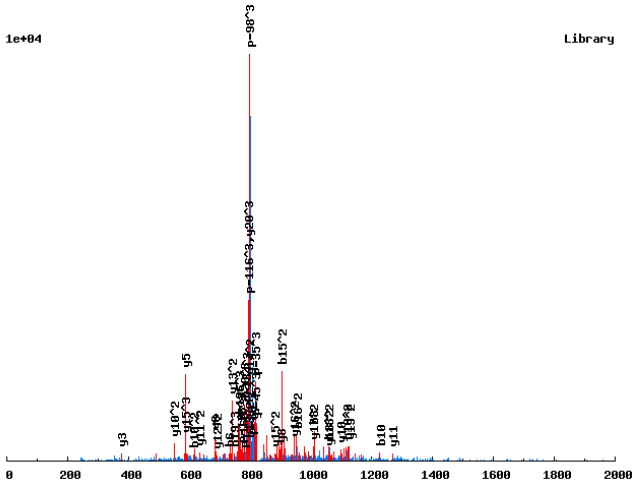


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	18		
230.0771	115.5422	2	N	17	2112.8675	**1056.9374**
397.0755	199.0414	3	S[167]	16	1998.8246	**999.9159**
544.1439	272.5756	4	F	15	1831.8262	**916.4167**
615.1810	308.0942	5	A	14	**1684.7578**	842.8825
782.1794	391.5933	6	S[167]	13	**1613.7207**	**807.3640**
895.2635	448.1354	7	I	12	**1446.7223**	723.8648
1009.3064	505.1568	8	N	11	**1333.6383**	667.3228
1066.3278	533.6676	9	G	10	**1219.5953**	610.3013
1194.3864	597.6969	10	Q	9	**1162.5739**	581.7906
1291.4392	646.2232	11	P	8	**1034.5153**	**517.7613**
1420.4818	710.7445	12	E	7	**937.4625**	469.2349
1548.5404	774.7738	13	Q	6	**808.4199**	404.7136
1677.5829	839.2951	14	E	5	680.3614	340.6843
1790.6670	**895.8371**	15	L	4	**551.3188**	276.1630
1918.7256	**959.8664**	16	Q	3	438.2347	219.6210
2081.7889	1041.3981	17	Y	2	310.1761	155.5917
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.DQETKES$_{167}$ITNS$_{167}$PTSEVPIETK.L/3

0.9979

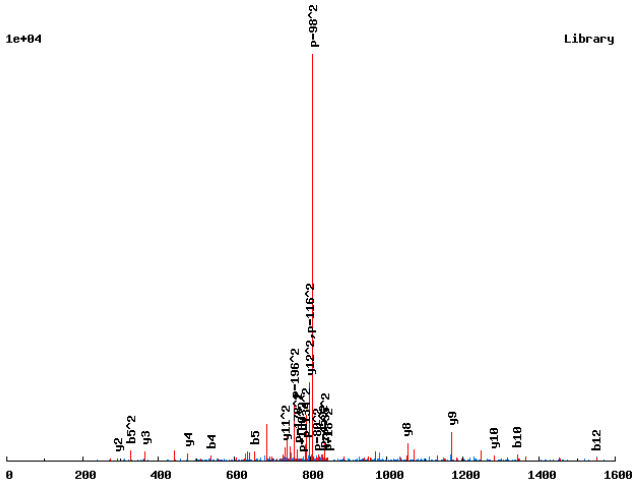


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	21			
244.0928	122.5500	82.0358	2	Q	20	2378.0412	1189.5242	**793.3519**
373.1354	187.0713	125.0500	3	E	19	2249.9826	**1125.4949**	750.6657
474.1831	237.5952	158.7325	4	T	18	2120.9400	**1060.9736**	707.6515
602.2780	301.6427	201.4309	5	K	17	2019.8923	**1010.4498**	673.9690
731.3206	366.1640	244.4451	6	E	16	1891.7973	**946.4023**	631.2706
898.3190	449.6631	300.1112	7	S[167]	15	1762.7548	**881.8810**	**588.2564**
1011.4030	506.2052	337.8059	8	I	14	1595.7564	**798.3818**	532.5903
1112.4507	556.7290	371.4884	9	T	13	1482.6723	**741.8398**	494.8956
1226.4937	**613.7505**	409.5027	10	N	12	1381.6247	**691.3160**	461.2131
1393.4920	697.2496	465.1689	11	S[167]	11	**1267.5817**	**634.2945**	423.1988
1490.5448	745.7760	497.5198	12	P	10	**1100.5834**	**550.7953**	367.5326
1591.5925	**796.2999**	531.2023	13	T	9	1003.5306	502.2689	335.1817
1678.6245	839.8159	560.2130	14	S	8	**902.4829**	451.7451	301.4992
1807.6671	**904.3372**	603.2272	15	E	7	**815.4509**	408.2291	272.4885
1906.7355	**953.8714**	636.2500	16	V	6	**686.4083**	343.7078	229.4743
2003.7882	1002.3978	668.6009	17	P	5	**587.3399**	294.1736	196.4515
2116.8723	**1058.9398**	706.2956	18	I	4	490.2871	245.6472	164.1006
2245.9149	**1123.4611**	**749.3098**	19	E	3	**377.2031**	189.1052	126.4059
2346.9626	1173.9849	**782.9924**	20	T	2	248.1605	124.5839	83.3917
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.DQT$_{181}$IDSTFY$_{243}$LAHK$_{136}$.V/2

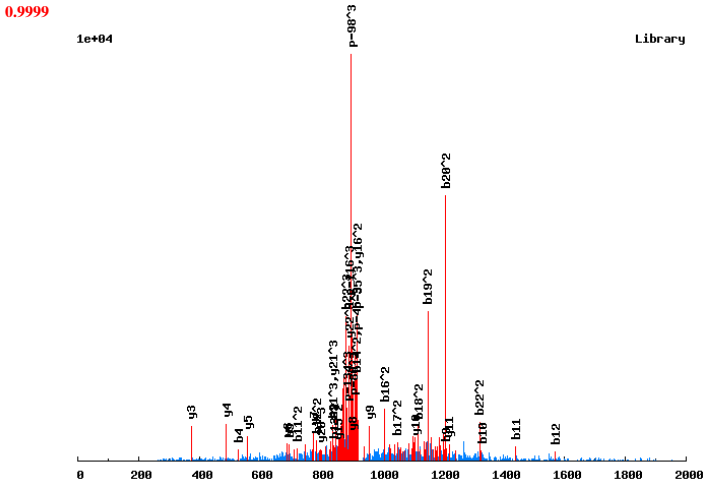
0.9996



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	13		
244.0928	122.5500	2	Q	12	1591.6685	**796.3379**
425.1068	213.0570	3	T[181]	11	1463.6099	**732.3086**
538.1909	269.5991	4	I	10	**1282.5959**	641.8016
653.2178	**327.1125**	5	D	9	**1169.5118**	585.2595
740.2498	370.6286	6	S	8	**1054.4849**	527.7461
841.2975	421.1524	7	T	7	967.4528	484.2301
988.3659	494.6866	8	F	6	866.4052	433.7062
1231.3956	616.2014	9	Y[243]	5	719.3367	360.1720
1344.4797	672.7435	10	L	4	**476.3071**	238.6572
1415.5168	708.2620	11	A	3	**363.2230**	182.1151
1552.5757	776.7915	12	H	2	**292.1859**	146.5966
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.DREQS$_{167}$EEEEDIEDFGESEANPEK.F/3

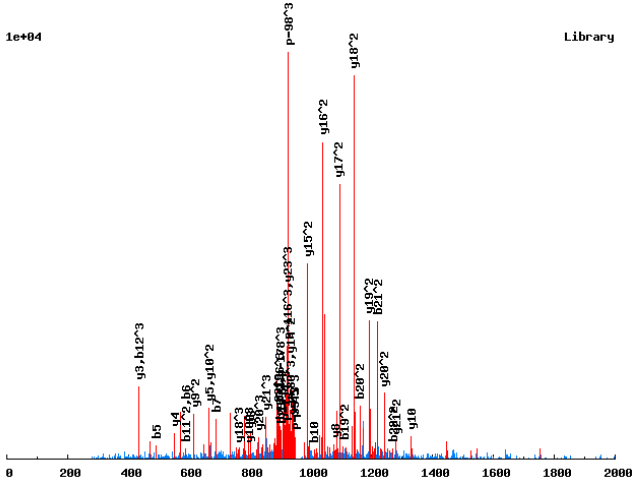


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	23			
272.1353	136.5713	91.3833	2	R	22	2676.0468	1338.5270	**892.6871**
401.1779	201.0926	134.3975	3	E	21	2519.9457	1260.4765	**840.6534**
529.2365	265.1219	177.0837	4	Q	20	2390.9031	1195.9552	**797.6392**
696.2349	348.6211	232.7498	5	S[167]	19	2262.8445	1131.9259	754.9530
825.2775	413.1424	275.7640	6	E	18	2095.8462	1048.4267	699.2869
954.3200	477.6637	318.7782	7	E	17	1966.8036	983.9054	656.2727
1083.3626	542.1850	361.7924	8	E	16	1837.7610	**919.3841**	613.2585
1212.4052	606.7063	404.8066	9	E	15	1708.7184	**854.8628**	570.2443
1327.4322	664.2197	443.1489	10	D	14	1579.6758	790.3415	527.2301
1440.5162	**720.7618**	480.8436	11	I	13	1464.6489	732.8281	488.8878
1569.5588	**785.2830**	523.8578	12	E	12	1351.5648	676.2860	451.1931
1684.5858	**842.7965**	562.2001	13	D	11	**1222.5222**	611.7647	408.1789
1831.6542	**916.3307**	611.2229	14	F	10	**1107.4953**	554.2513	369.8366
1888.6756	944.8415	630.2301	15	G	9	**960.4269**	480.7171	320.8138
2017.7182	**1009.3627**	673.2443	16	E	8	**903.4054**	452.2063	301.8067
2104.7502	**1052.8788**	702.2549	17	S	7	**774.3628**	387.6850	258.7925
2233.7928	**1117.4001**	745.2691	18	E	6	**687.3308**	344.1690	229.7818
2304.8299	**1152.9186**	768.9482	19	A	5	**558.2882**	279.6477	186.7676
2418.8729	**1209.9401**	806.9625	20	N	4	**487.2511**	244.1292	163.0885
2515.9256	1258.4665	**839.3134**	21	P	3	**373.2081**	187.1077	125.0742
2644.9682	**1322.9878**	**882.3276**	22	E	2	276.1554	138.5813	92.7233
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.DSDATVVLPLS$_{167}$EHTPRLS$_{167}$MDDPYR.Q/3

0.992

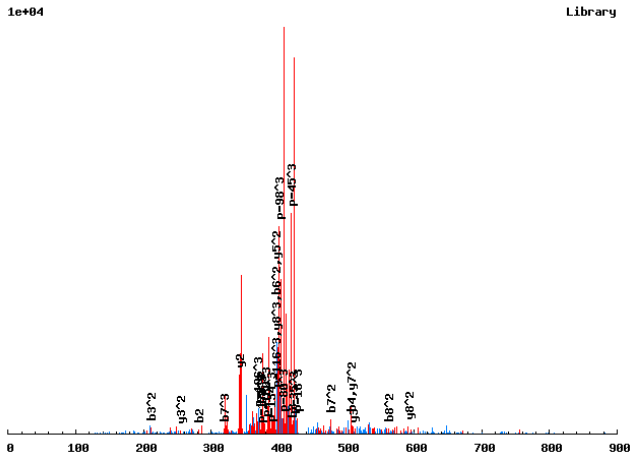


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	24			
203.0662	102.0368	68.3603	2	S	23	2759.2147	1380.1110	**920.4098**
318.0932	159.5502	106.7026	3	D	22	2672.1827	1336.5950	**891.3991**
389.1303	195.0688	130.3816	4	A	21	2557.1557	**1279.0815**	**853.0568**
490.1780	245.5926	164.0642	5	T	20	2486.1186	**1243.5630**	**829.3777**
589.2464	295.1268	197.0870	6	V	19	2385.0709	**1193.0391**	**795.6952**
688.3148	344.6610	230.1098	7	V	18	2286.0025	**1143.5049**	**762.6724**
801.3989	401.2031	267.8045	8	L	17	2186.9341	**1093.9707**	729.6496
898.4516	449.7295	300.1554	9	P	16	2073.8501	**1037.4287**	691.9549
1011.5357	506.2715	337.8501	10	L	15	1976.7973	**988.9023**	659.6040
1178.5340	**589.7707**	393.5162	11	S[167]	14	1863.7132	**932.3603**	621.9093
1307.5766	654.2920	**436.5304**	12	E	13	1696.7149	848.8611	566.2431
1444.6355	722.8214	482.2167	13	H	12	1567.6723	784.3398	523.2290
1545.6832	773.3453	515.8993	14	T	11	1430.6134	715.8103	477.5426
1642.7360	821.8716	548.2502	15	P	10	**1329.5657**	**665.2865**	443.8601
1798.8371	**899.9222**	600.2839	16	R	9	1232.5129	**616.7601**	411.5092
1911.9212	956.4642	637.9786	17	L	8	**1076.4118**	538.7096	359.4755
2078.9195	1039.9634	693.6447	18	S[167]	7	963.3278	482.1675	321.7808
2209.9600	**1105.4836**	737.3249	19	M	6	**796.3294**	398.6683	266.1147
2324.9869	**1162.9971**	775.6672	20	D	5	**665.2889**	333.1481	222.4345
2440.0139	**1220.5106**	814.0095	21	D	4	**550.2620**	275.6346	184.0922
2537.0666	**1269.0370**	846.3604	22	P	3	**435.2350**	218.1212	145.7499
2700.1300	1350.5686	**900.7148**	23	Y	2	338.1823	169.5948	113.3989
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DS$_{167}$HSNS$_{167}$S$_{167}$S$_{167}$R.N/3

0.8982

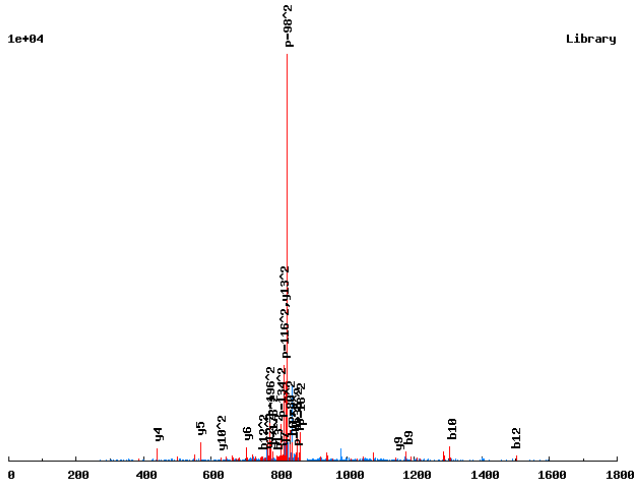


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	9			
283.0326	142.0199	95.0157	2	S[167]	8	1181.2463	**591.1268**	**394.4203**
420.0915	**210.5494**	140.7020	3	H	7	1014.2479	**507.6276**	338.7542
507.1235	254.0654	169.7127	4	S	6	877.1890	439.0981	293.0679
621.1665	311.0869	207.7270	5	N	5	790.1570	**395.5821**	264.0572
788.1648	**394.5860**	263.3931	6	S[167]	4	676.1140	338.5607	226.0429
955.1632	**478.0852**	**319.0592**	7	S[167]	3	**509.1157**	**255.0615**	170.3767
1122.1615	**561.5844**	**374.7254**	8	S[167]	2	**342.1173**	171.5623	114.7106
			9	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DSNS$_{167}$LY$_{243}$SLK$_{136}$EPVSK$_{136}$.N/2

0.6982

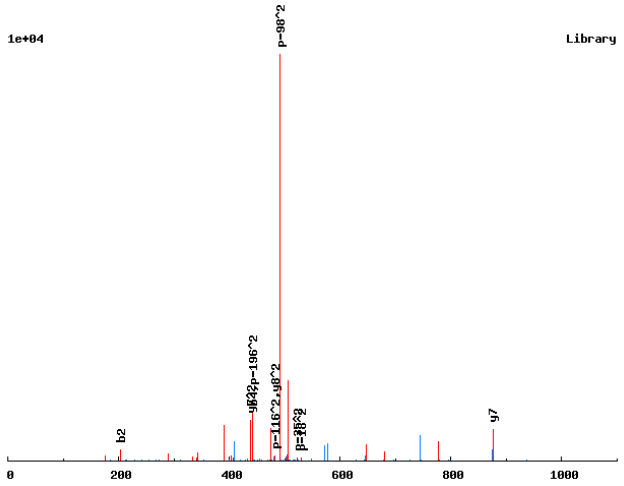


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	14		
203.0662	102.0368	2	S	13	1627.7351	**814.3712**
317.1092	159.0582	3	N	12	1540.7031	**770.8552**
484.1075	242.5574	4	S[167]	11	1426.6601	713.8337
597.1916	299.0994	5	L	10	1259.6618	**630.3345**
840.2213	420.6143	6	Y[243]	9	**1146.5777**	573.7925
927.2533	464.1303	7	S	8	903.5480	452.2777
1040.3374	520.6723	8	L	7	**816.5160**	408.7616
1176.4465	588.7269	9	K[136]	6	**703.4319**	352.2196
1305.4891	653.2482	10	E	5	**567.3228**	284.1650
1402.5419	701.7746	11	P	4	**438.2802**	219.6437
1501.6103	**751.3088**	12	V	3	341.2274	171.1174
1588.6423	**794.8248**	13	S	2	242.1590	121.5832
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.DSS$_{167}$ATPSS$_{167}$R$_{166}$.Q/2

0.6486

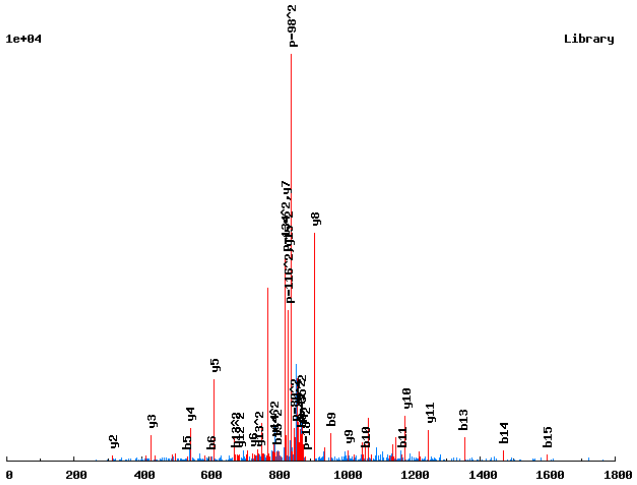


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	9		
203.0662	102.0368	2	S	8	962.3256	**481.6664**
370.0646	185.5359	3	S[167]	7	**875.2935**	**438.1504**
441.1017	221.0545	4	A	6	708.2952	354.6512
542.1494	271.5783	5	T	5	637.2581	319.1327
639.2022	320.1047	6	P	4	536.2104	268.6088
726.2342	363.6207	7	S	3	439.1576	220.0824
893.2326	447.1199	8	S[167]	2	352.1256	176.5664
		9	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.DSSDEAS$_{167}$VSPIADNER$_{166}$.E/2

1

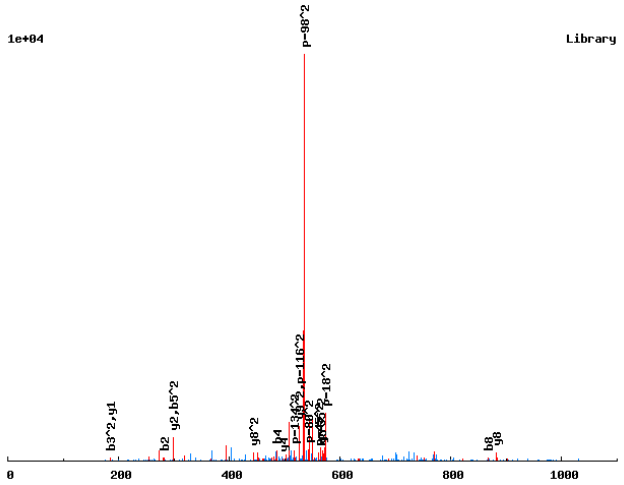


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	16		
203.0662	102.0368	2	S	15	1666.6831	**833.8452**
290.0983	145.5528	3	S	14	1579.6511	**790.3292**
405.1252	203.0662	4	D	13	1492.6191	**746.8132**
534.1678	267.5875	5	E	12	1377.5921	**689.2997**
605.2049	303.1061	6	A	11	**1248.5495**	624.7784
772.2033	386.6053	7	S[167]	10	**1177.5124**	589.2598
871.2717	436.1395	8	V	9	**1010.5140**	505.7607
958.3037	479.6555	9	S	8	**911.4456**	456.2265
1055.3565	528.1819	10	P	7	**824.4136**	412.7104
1168.4405	584.7239	11	I	6	**727.3608**	364.1841
1239.4777	620.2425	12	A	5	**614.2768**	307.6420
1354.5046	**677.7559**	13	D	4	**543.2397**	272.1235
1468.5475	734.7774	14	N	3	**428.2127**	214.6100
1597.5901	**799.2987**	15	E	2	**314.1698**	157.5885
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.DS$_{167}$SDLAPTLR$_{166}$.S/2

0.7272

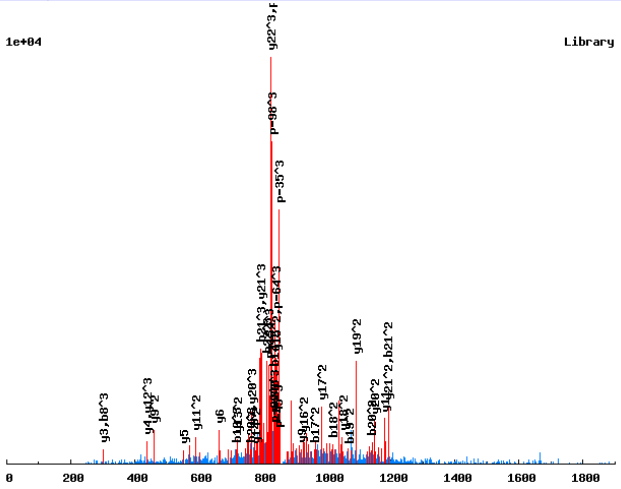


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	10		
283.0326	142.0199	2	S[167]	9	1049.4902	**525.2487**
370.0646	**185.5359**	3	S	8	**882.4919**	**441.7496**
485.0916	243.0494	4	D	7	795.4598	398.2336
598.1756	**299.5914**	5	L	6	680.4329	340.7201
669.2127	335.1100	6	A	5	**567.3488**	284.1781
766.2655	383.6364	7	P	4	**496.3117**	248.6595
867.3132	434.1602	8	T	3	399.2590	200.1331
980.3972	490.7023	9	L	2	**298.2113**	149.6093
		10	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.DSSNSEDS$_{167}$EDEEM$_{147}$DGPTLLHPGK.I/3

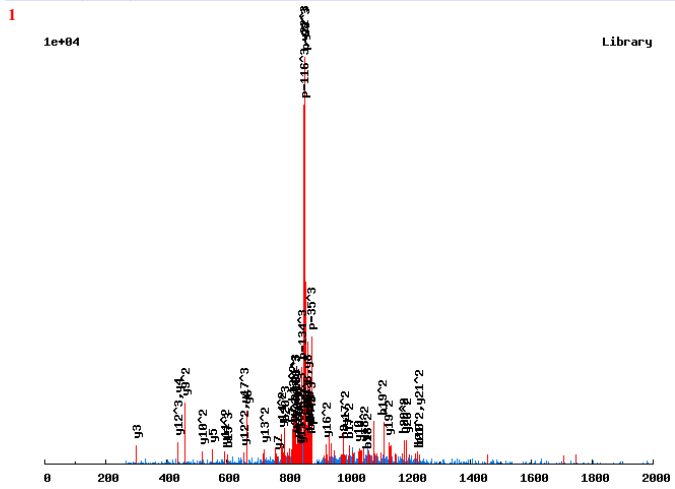
0.992



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	23			
203.0662	102.0368	68.3603	2	S	22	2469.9599	1235.4836	**823.9915**
290.0983	145.5528	97.3709	3	S	21	2382.9279	**1191.9676**	**794.9808**
404.1412	202.5742	135.3853	4	N	20	2295.8959	**1148.4516**	**765.9701**
491.1732	246.0903	164.3959	5	S	19	2181.8529	**1091.4301**	727.9558
620.2158	310.6116	207.4101	6	E	18	2094.8209	**1047.9141**	698.9452
735.2428	368.1250	245.7524	7	D	17	1965.7783	**983.3928**	655.9310
902.2411	451.6242	**301.4186**	8	S[167]	16	1850.7514	**925.8793**	617.5886
1031.2837	516.1455	344.4328	9	E	15	1683.7530	**842.3801**	561.9225
1146.3107	573.6590	382.7751	10	D	14	1554.7104	**777.8588**	518.9083
1275.3533	638.1803	425.7893	11	E	13	1439.6835	**720.3454**	480.5660
1404.3958	702.7016	468.8035	12	E	12	1310.6409	655.8241	**437.5518**
1551.4312	776.2193	517.8153	13	M[147]	11	**1181.5983**	**591.3028**	394.5376
1666.4582	**833.7327**	556.1576	14	D	10	1034.5629	517.7851	345.5258
1723.4796	862.2435	575.1647	15	G	9	**919.5360**	**460.2716**	307.1835
1820.5324	910.7698	607.5157	16	P	8	862.5145	431.7609	288.1764
1921.5801	**961.2937**	641.1982	17	T	7	**765.4617**	383.2345	255.8254
2034.6641	**1017.8357**	678.8929	18	L	6	**664.4141**	332.7107	222.1429
2147.7482	**1074.3777**	**716.5876**	19	L	5	**551.3300**	276.1686	184.4482
2284.8071	**1142.9072**	**762.2739**	20	H	4	**438.2459**	219.6266	146.7535
2381.8599	**1191.4336**	**794.6248**	21	P	3	**301.1870**	151.0971	101.0672
2438.8813	1219.9443	**813.6320**	22	G	2	204.1343	102.5708	68.7163
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.DSSNS$_{167}$EDS$_{167}$EDEEM$_{147}$DGPTLLHPGK.I/3

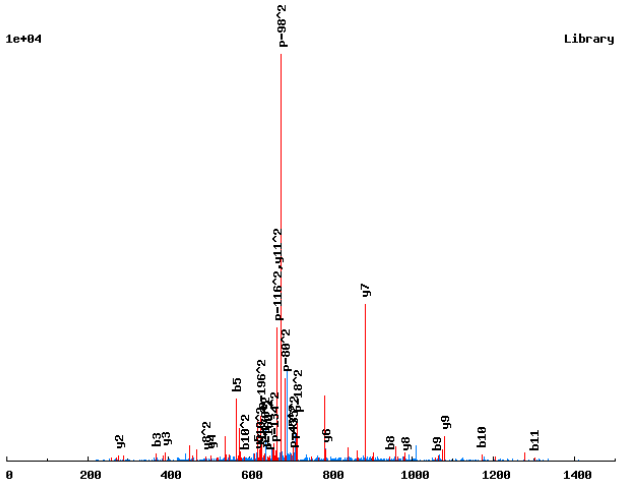


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	23			
203.0662	102.0368	68.3603	2	S	22	2549.9262	1275.4668	**850.6469**
290.0983	145.5528	97.3709	3	S	21	2462.8942	**1231.9507**	**821.6363**
404.1412	202.5742	135.3853	4	N	20	2375.8622	**1188.4347**	792.6256
571.1396	286.0734	191.0514	5	S[167]	19	2261.8193	**1131.4133**	754.6113
700.1822	350.5947	234.0656	6	E	18	2094.8209	**1047.9141**	698.9452
815.2091	408.1082	272.4079	7	D	17	1965.7783	**983.3928**	**655.9310**
982.2075	491.6074	328.0740	8	S[167]	16	1850.7514	**925.8793**	617.5886
1111.2501	556.1287	371.0882	9	E	15	1683.7530	**842.3801**	561.9225
1226.2770	613.6421	409.4305	10	D	14	1554.7104	**777.8588**	518.9083
1355.3196	678.1634	452.4447	11	E	13	1439.6835	**720.3454**	480.5660
1484.3622	742.6847	495.4589	12	E	12	1310.6409	**655.8241**	**437.5518**
1631.3976	**816.2024**	544.4707	13	M[147]	11	1181.5983	**591.3028**	394.5376
1746.4245	**873.7159**	582.8130	14	D	10	**1034.5629**	**517.7851**	345.5258
1803.4460	902.2266	**601.8202**	15	G	9	919.5360	**460.2716**	307.1835
1900.4987	950.7530	634.1711	16	P	8	**862.5145**	431.7609	288.1764
2001.5464	**1001.2768**	667.8537	17	T	7	**765.4617**	383.2345	255.8254
2114.6305	**1057.8189**	705.5483	18	L	6	**664.4141**	332.7107	222.1429
2227.7145	**1114.3609**	743.2430	19	L	5	**551.3300**	276.1686	184.4482
2364.7734	**1182.8904**	**788.9293**	20	H	4	**438.2459**	219.6266	146.7535
2461.8262	**1231.4167**	**821.2803**	21	P	3	**301.1870**	151.0971	101.0672
2518.8477	1259.9275	**840.2874**	22	G	2	204.1343	102.5708	68.7163
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.DSS$_{167}$PVPS$_{167}$DLDEK.Y/2

0.9988

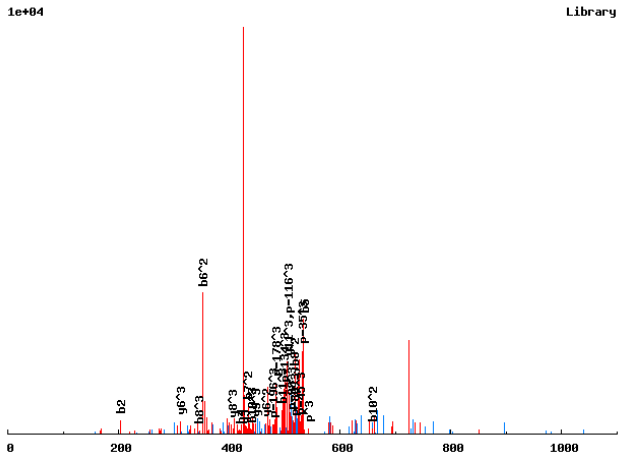


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	12		
203.0662	102.0368	2	S	11	1333.4960	**667.2516**
370.0646	185.5359	3	S[167]	10	1246.4640	**623.7356**
467.1174	234.0623	4	P	9	**1079.4656**	540.2365
566.1858	283.5965	5	V	8	**982.4129**	**491.7101**
663.2385	332.1229	6	P	7	**883.3445**	442.1759
830.2369	415.6221	7	S[167]	6	**786.2917**	393.6495
945.2638	473.1356	8	D	5	**619.2933**	310.1503
1058.3479	529.6776	9	L	4	**504.2664**	252.6368
1173.3748	**587.1911**	10	D	3	**391.1823**	196.0948
1302.4174	651.7124	11	E	2	**276.1554**	138.5813
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.DSSQDS$_{167}$S$_{167}$S$_{167}$S$_{167}$LS$_{167}$K.V/3

0.6425

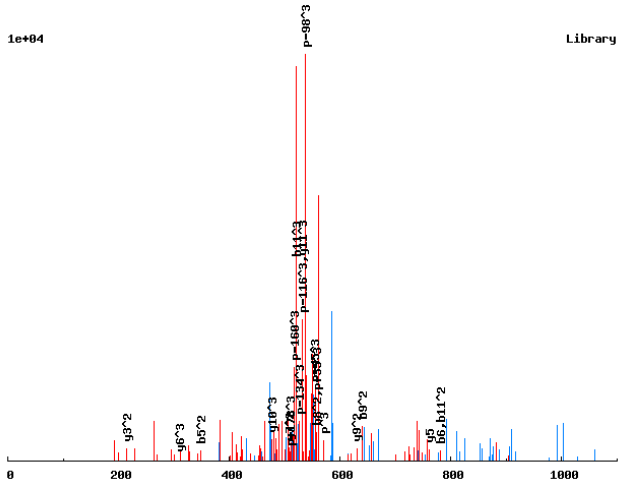


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	12			
203.0662	102.0368	68.3603	2	S	11	1512.3382	756.6728	**504.7843**
290.0983	145.5528	97.3709	3	S	10	1425.3062	713.1567	475.7736
418.1569	209.5821	140.0571	4	Q	9	1338.2742	669.6407	**446.7629**
533.1838	267.0955	178.3995	5	D	8	1210.2156	605.6114	**404.0767**
700.1822	**350.5947**	234.0656	6	S[167]	7	1095.1887	548.0980	365.7344
867.1805	**434.0939**	289.7317	7	S[167]	6	928.1903	**464.5988**	**310.0683**
1034.1789	**517.5931**	**345.3978**	8	S[167]	5	761.1919	381.0996	254.4022
1201.1772	601.0923	401.0639	9	S[167]	4	594.1936	297.6004	198.7360
1314.2613	**657.6343**	**438.7586**	10	L	3	**427.1952**	214.1013	143.0699
1481.2597	741.1335	**494.4247**	11	S[167]	2	314.1112	157.5592	105.3752
			12	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.DS$_{167}$S$_{167}$QDSS$_{167}$S$_{167}$S$_{167}$LS$_{167}$K.V/3

0.6315

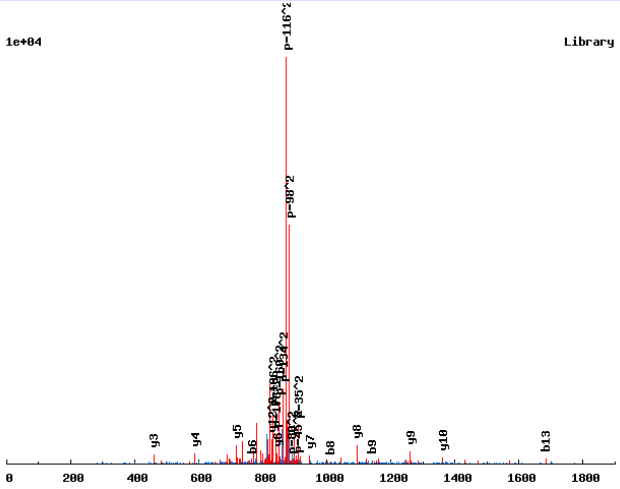


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	12			
283.0326	142.0199	95.0157	2	S[167]	11	1592.3046	796.6559	**531.4397**
450.0309	225.5191	150.6818	3	S[167]	10	1425.3062	713.1567	**475.7736**
578.0895	289.5484	193.3680	4	Q	9	1258.3079	**629.6576**	420.1075
693.1165	**347.0619**	231.7103	5	D	8	1130.2493	565.6283	377.4213
780.1485	390.5779	260.7210	6	S	7	1015.2223	**508.1148**	339.0790
947.1469	474.0771	316.3871	7	S[167]	6	928.1903	464.5988	**310.0683**
1114.1452	**557.5762**	372.0533	8	S[167]	5	**761.1919**	381.0996	254.4022
1281.1436	**641.0754**	427.7194	9	S[167]	4	594.1936	297.6004	198.7360
1394.2276	697.6175	465.4141	10	L	3	427.1952	**214.1013**	143.0699
1561.2260	**781.1166**	**521.0802**	11	S[167]	2	314.1112	157.5592	105.3752
			12	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.DSS$_{167}$QTS$_{167}$FTQEEFHR.I/2

0.9982

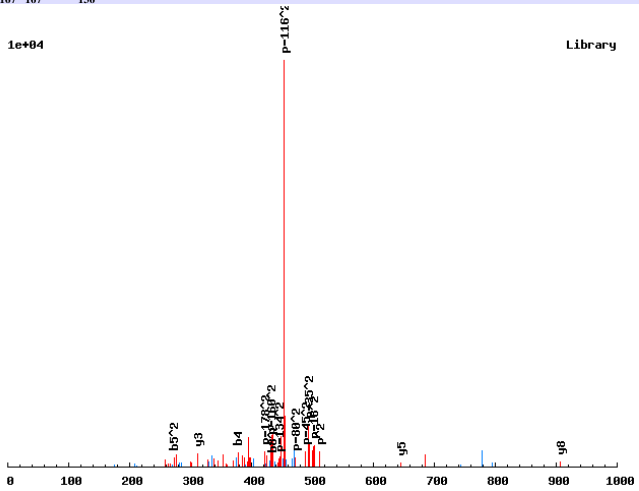


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	14		
203.0662	102.0368	2	S	13	1743.6411	**872.3242**
370.0646	185.5359	3	S[167]	12	1656.6091	**828.8082**
498.1232	249.5652	4	Q	11	1489.6107	745.3090
599.1709	300.0891	5	T	10	**1361.5522**	681.2797
766.1692	383.5883	6	S[167]	9	**1260.5045**	630.7559
913.2376	457.1225	7	F	8	**1093.5061**	547.2567
1014.2853	507.6463	8	T	7	**946.4377**	473.7225
1142.3439	571.6756	9	Q	6	**845.3900**	423.1987
1271.3865	636.1969	10	E	5	**717.3315**	359.1694
1400.4291	700.7182	11	E	4	**588.2889**	294.6481
1547.4975	774.2524	12	F	3	**459.2463**	230.1268
1684.5564	842.7818	13	H	2	312.1779	156.5926
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.DSSSS$_{167}$S$_{167}$VGK$_{136}$.G/2

0.6885

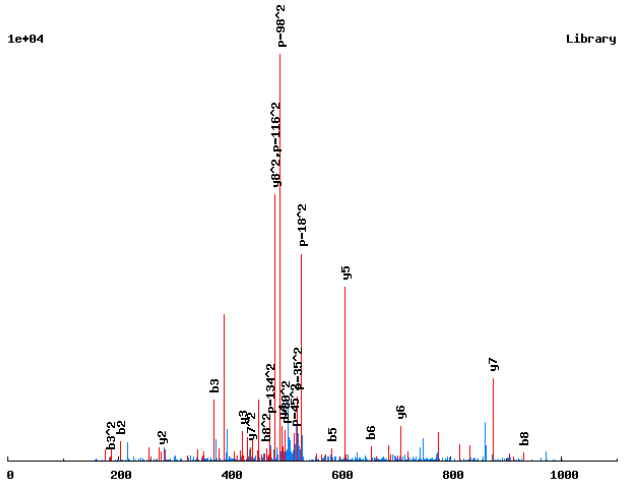


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	9		
203.0662	102.0368	2	S	8	**906.3097**	**453.6585**
290.0983	145.5528	3	S	7	819.2777	410.1425
377.1303	189.0688	4	S	6	732.2456	366.6265
544.1287	**272.5680**	5	S[167]	5	**645.2136**	323.1104
711.1270	356.0672	6	S[167]	4	478.2152	239.6113
810.1954	405.6014	7	V	3	**311.2169**	156.1121
867.2169	**434.1121**	8	G	2	212.1485	106.5779
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.DSS$_{167}$VDAFEK.E/2

0.9908

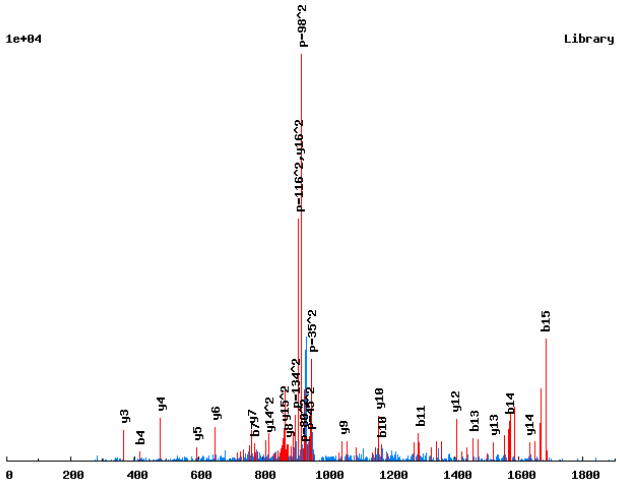


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	9		
203.0662	102.0368	2	S	8	962.3867	**481.6970**
370.0646	**185.5359**	3	S[167]	7	**875.3546**	**438.1810**
469.1330	235.0702	4	V	6	**708.3563**	354.6818
584.1600	292.5836	5	D	5	**609.2879**	305.1476
655.1971	328.1022	6	A	4	**494.2609**	247.6341
802.2655	401.6364	7	F	3	**423.2238**	212.1155
931.3081	**466.1577**	8	E	2	**276.1554**	138.5813
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.DSVDDNENS$_{167}$DDGLDIPK$_{136}$.N/2

0.9999

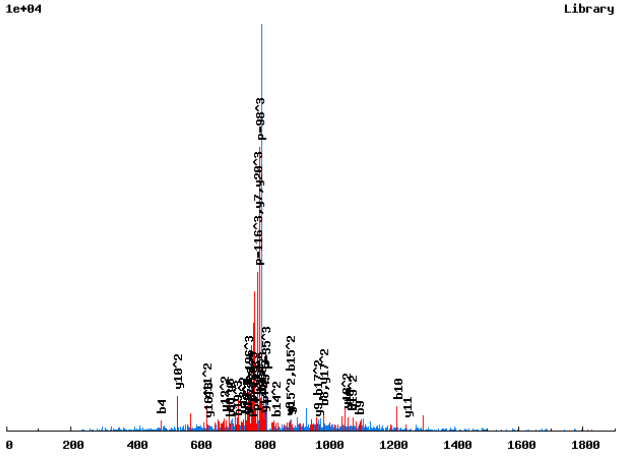


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	17		
203.0662	102.0368	2	S	16	1820.7313	**910.8693**
302.1347	151.5710	3	V	15	1733.6993	**867.3533**
417.1616	209.0844	4	D	14	**1634.6308**	**817.8191**
532.1885	266.5979	5	D	13	**1519.6039**	760.3056
646.2315	323.6194	6	N	12	**1404.5770**	702.7921
775.2741	388.1407	7	E	11	1290.5340	645.7707
889.3170	445.1621	8	N	10	**1161.4914**	581.2494
1056.3154	528.6613	9	S[167]	9	**1047.4485**	524.2279
1171.3423	586.1748	10	D	8	**880.4502**	440.7287
1286.3692	643.6883	11	D	7	**765.4232**	383.2152
1343.3907	672.1990	12	G	6	**650.3963**	325.7018
1456.4748	728.7410	13	L	5	**593.3748**	297.1910
1571.5017	786.2545	14	D	4	**480.2908**	240.6490
1684.5858	842.7965	15	I	3	**365.2638**	183.1355
1781.6385	891.3229	16	P	2	252.1798	126.5935
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.DTK$_{136}$EPDS$_{167}$ENIT$_{181}$PSVSPAIDDR$_{166}$.K/3

0.7531

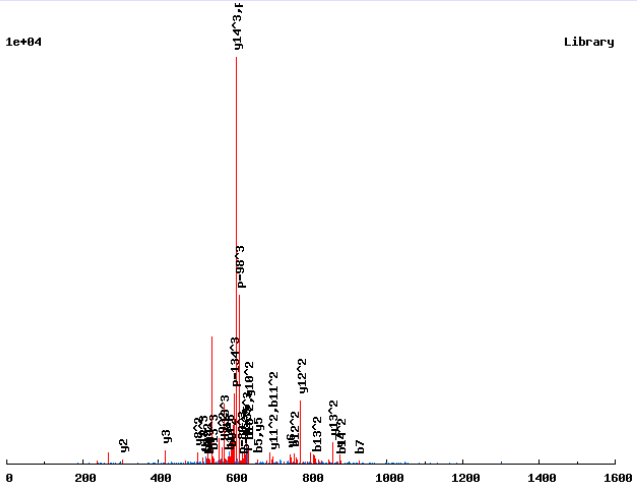


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	21			
217.0819	109.0446	73.0322	2	T	20	2349.0013	1175.0043	**783.6720**
353.1911	177.0992	118.4019	3	K[136]	19	2247.9537	1124.4805	**749.9894**
482.2336	241.6205	161.4161	4	E	18	2111.8445	**1056.4259**	704.6197
579.2864	290.1468	193.7670	5	P	17	1982.8019	**991.9046**	661.6055
694.3133	347.6603	232.1093	6	D	16	1885.7492	943.3782	**629.2546**
861.3117	431.1595	287.7754	7	S[167]	15	1770.7222	**885.8647**	590.9123
990.3543	495.6808	330.7896	8	E	14	1603.7238	**802.3656**	535.2461
1104.3972	552.7023	368.8039	9	N	13	1474.6813	**737.8443**	492.2319
1217.4813	609.2443	406.4986	10	I	12	1360.6383	**680.8228**	454.2176
1398.4953	**699.7513**	466.8366	11	T[181]	11	**1247.5543**	**624.2808**	416.5229
1495.5481	**748.2777**	499.1875	12	P	10	**1066.5403**	**533.7738**	356.1849
1582.5801	**791.7937**	528.1982	13	S	9	**969.4875**	485.2474	323.8340
1681.6485	**841.3279**	561.2210	14	V	8	**882.4555**	441.7314	294.8233
1768.6805	**884.8439**	590.2317	15	S	7	**783.3871**	392.1972	261.8005
1865.7333	933.3703	622.5826	16	P	6	**696.3550**	348.6812	232.7899
1936.7704	**968.8888**	646.2617	17	A	5	599.3023	300.1548	200.4389
2049.8545	1025.4309	683.9563	18	I	4	528.2652	264.6362	176.7599
2164.8814	**1082.9443**	**722.2987**	19	D	3	415.1811	208.0942	139.0652
2279.9083	1140.4578	760.6410	20	D	2	300.1542	150.5807	100.7229
			21	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.DTS$_{167}$FEHEKESEILER.T/3

0.9184

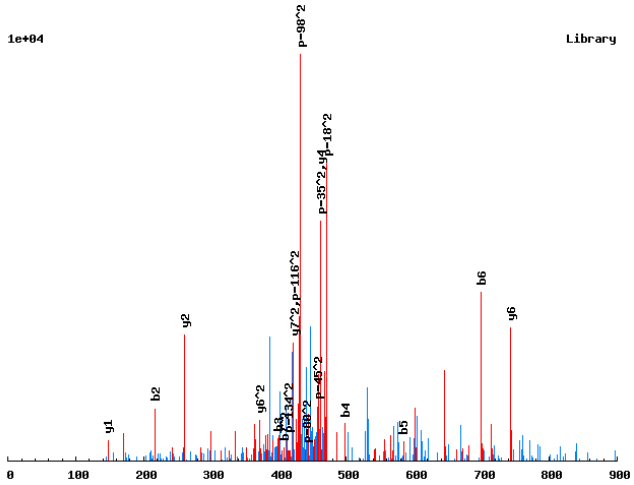


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
116.0342	58.5207	39.3496	1	D	15			
217.0819	109.0446	73.0322	2	T	14	1813.8004	907.4038	**605.2716**
384.0803	192.5438	128.6983	3	S[167]	13	1712.7527	**856.8800**	**571.5891**
531.1487	266.0780	177.7211	4	F	12	1545.7543	**773.3808**	**515.9230**
660.1913	330.5993	220.7353	5	E	11	1398.6859	**699.8466**	466.9002
797.2502	399.1287	266.4216	6	H	10	1269.6433	**635.3253**	423.8860
926.2928	463.6500	309.4358	7	E	9	1132.5844	**566.7958**	378.1997
1054.3877	**527.6975**	352.1341	8	K	8	1003.5418	**502.2746**	335.1855
1183.4303	**592.2188**	395.1483	9	E	7	**875.4469**	438.2271	292.4871
1270.4623	**635.7348**	424.1590	10	S	6	**746.4043**	373.7058	249.4729
1399.5049	**700.2561**	467.1732	11	E	5	**659.3723**	330.1898	220.4623
1512.5890	**756.7981**	504.8679	12	I	4	**530.3297**	265.6685	177.4481
1625.6731	**813.3402**	**542.5625**	13	L	3	**417.2456**	209.1264	139.7534
1754.7156	**877.8615**	**585.5767**	14	E	2	**304.1615**	152.5844	102.0587
			15	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.DTT$_{181}$VSDLK.F/2

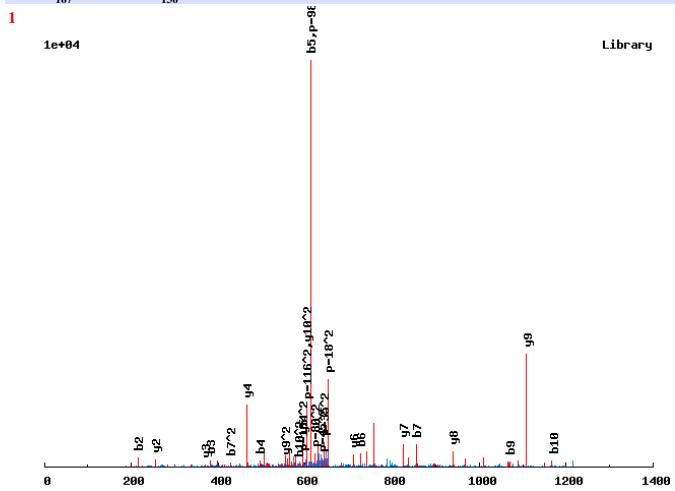
0.6033



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	8		
217.0819	109.0446	2	T	7	843.3859	**422.1966**
398.0959	199.5516	3	T[181]	6	**742.3383**	**371.6728**
497.1643	249.0858	4	V	5	561.3242	281.1658
584.1964	292.6018	5	S	4	**462.2558**	231.6316
699.2233	350.1153	6	D	3	375.2238	188.1155
812.3074	**406.6573**	7	L	2	**260.1969**	130.6021
		8	K	1	**147.1128**	74.0600

Annotated spectra from Saleem et. al. 2009

R.DVS$_{167}$DDDEPLTK$_{136}$.K/2

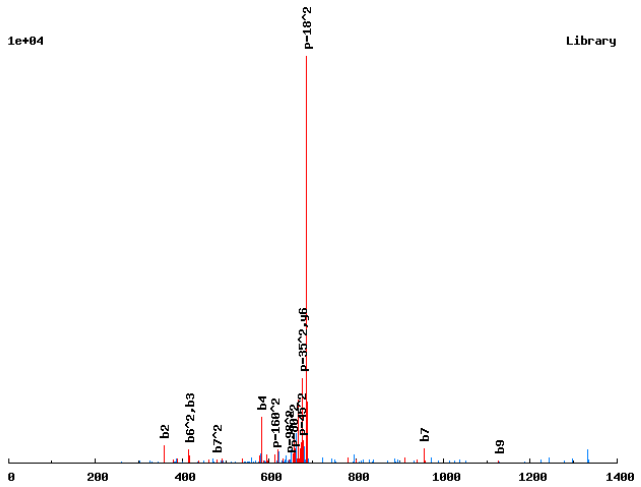


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	1	D	11		
215.1026	108.0550	2	V	10	1206.5017	603.7545
382.1010	191.5541	3	S[167]	9	1107.4333	554.2203
497.1279	249.0676	4	D	8	940.4349	470.7211
612.1549	306.5811	5	D	7	825.4080	413.2076
727.1818	364.0945	6	D	6	710.3810	355.6942
856.2244	428.6158	7	E	5	595.3541	298.1807
953.2772	477.1422	8	P	4	466.3115	233.6594
1066.3612	533.6843	9	L	3	369.2587	185.1330
1167.4089	584.2081	10	T	2	256.1747	128.5910
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.DY$_{243}$GS$_{167}$EDEAVSR.S/2

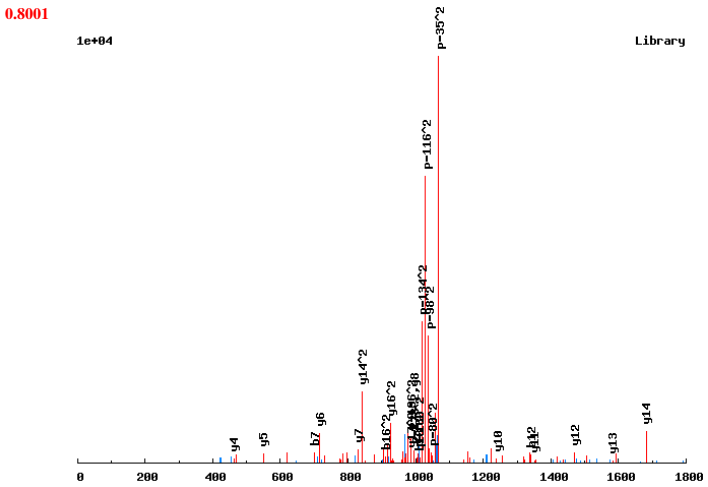
0.6549



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
116.0342	58.5207	**1**	**D**	**11**		
359.0639	180.0356	**2**	**Y[243]**	**10**	1272.4181	636.7127
416.0853	208.5463	**3**	**G**	**9**	1029.3884	515.1979
583.0837	292.0455	**4**	**S[167]**	**8**	972.3670	486.6871
712.1263	356.5668	**5**	**E**	**7**	805.3686	403.1880
827.1532	**414.0803**	**6**	**D**	**6**	**676.3260**	338.6667
956.1958	**478.6016**	**7**	**E**	**5**	561.2991	281.1532
1027.2329	514.1201	**8**	**A**	**4**	432.2565	216.6319
1126.3013	563.6543	**9**	**V**	**3**	361.2194	181.1133
1213.3334	607.1703	**10**	**S**	**2**	262.1510	131.5791
		11	**R**	**1**	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.EADATPDDDRSS$_{167}$IS$_{167}$SNSNK.I/2

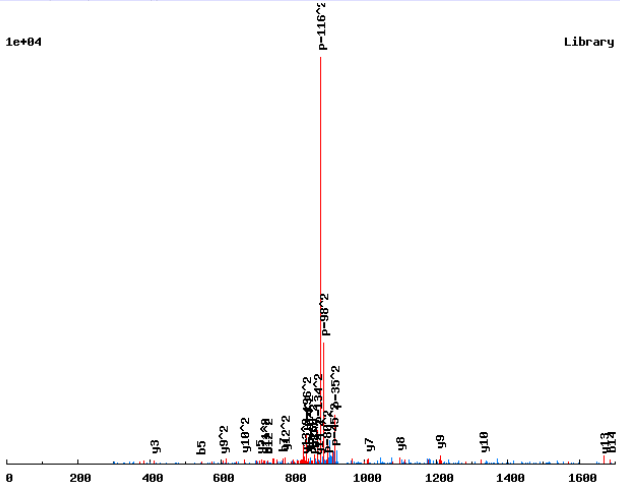


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	19		
201.0870	101.0471	2	A	18	2039.7591	1020.3832
316.1139	158.5606	3	D	17	1968.7220	**984.8646**
387.1510	194.0792	4	A	16	1853.6950	**927.3511**
488.1987	244.6030	5	T	15	1782.6579	891.8326
585.2515	293.1294	6	P	14	**1681.6102**	**841.3088**
700.2784	350.6428	7	D	13	**1584.5575**	792.7824
815.3053	408.1563	8	D	12	**1469.5305**	735.2689
930.3323	465.6698	9	D	11	**1354.5036**	677.7554
1086.4334	543.7203	10	R	10	**1239.4766**	620.2420
1173.4654	587.2364	11	S	9	1083.3755	542.1914
1340.4638	670.7355	12	S[167]	8	**996.3435**	498.6754
1453.5479	727.2776	13	I	7	**829.3451**	415.1762
1620.5462	810.7767	14	S[167]	6	**716.2611**	358.6342
1707.5782	854.2928	15	S	5	**549.2627**	275.1350
1821.6212	**911.3142**	16	N	4	**462.2307**	231.6190
1908.6532	954.8302	17	S	3	348.1878	174.5975
2022.6961	**1011.8517**	18	N	2	261.1557	131.0815
		19	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.EADIDDLSS$_{167}$HS$_{167}$QNLR$_{166}$.A/2

0.6903

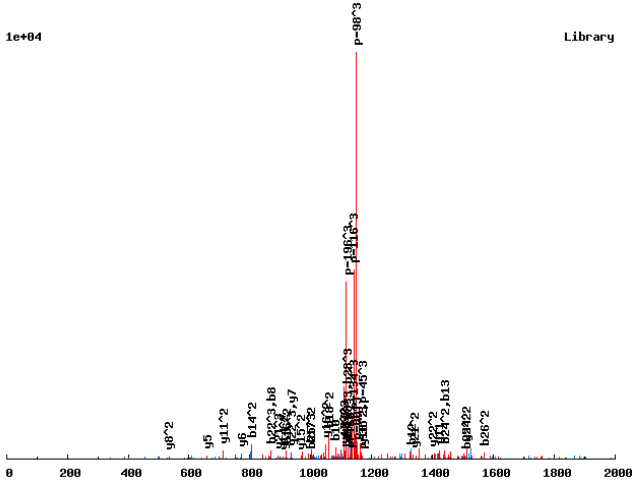


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	15		
201.0870	101.0471	2	A	14	1740.6865	**870.8469**
316.1139	158.5606	3	D	13	**1669.6494**	**835.3283**
429.1980	215.1026	4	I	12	1554.6225	**777.8149**
544.2249	272.6161	5	D	11	1441.5384	**721.2728**
659.2519	330.1296	6	D	10	**1326.5115**	**663.7594**
772.3359	386.6716	7	L	9	**1211.4845**	**606.2459**
859.3679	430.1876	8	S	8	**1098.4005**	549.7039
1026.3663	513.6868	9	S[167]	7	**1011.3684**	506.1879
1163.4252	582.2163	10	H	6	**844.3701**	422.6887
1330.4236	665.7154	11	S[167]	5	**707.3112**	354.1592
1458.4822	**729.7447**	12	Q	4	540.3128	270.6600
1572.5251	786.7662	13	N	3	**412.2542**	206.6307
1685.6092	**843.3082**	14	L	2	298.2113	149.6093
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.EAMAISEHNVKDDS$_{167}$DLS$_{167}$DKDNEYDEEQPR.Q/3

0.931

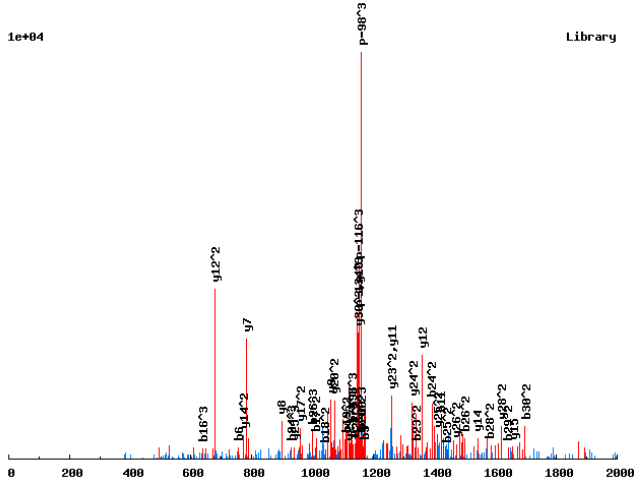


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	29			
201.0870	101.0471	67.7005	2	A	28	3410.3403	1705.6738	1137.4516
332.1275	166.5674	111.3807	3	M	27	3339.3032	1670.1552	**1113.7726**
403.1646	202.0859	135.0597	4	A	26	3208.2627	1604.6350	1070.0924
516.2486	258.6280	172.7544	5	I	25	3137.2256	1569.1164	1046.4134
603.2807	302.1440	201.7651	6	S	24	3024.1415	**1512.5744**	1008.7187
732.3233	366.6653	244.7793	7	E	23	2937.1095	1469.0584	979.7080
869.3822	435.1947	290.4656	8	H	22	2808.0669	**1404.5371**	**936.6938**
983.4251	492.2162	328.4799	9	N	21	2671.0080	**1336.0076**	**891.0075**
1082.4935	541.7504	361.5027	10	V	20	2556.9651	1278.9862	852.9932
1210.5885	605.7979	404.2010	11	K	19	2457.8967	1229.4520	819.9704
1325.6154	663.3113	442.5433	12	D	18	2329.8017	**1165.4045**	777.2721
1440.6423	720.8248	480.8856	13	D	17	2214.7748	**1107.8910**	738.9298
1607.6407	**804.3240**	536.5518	14	S[167]	16	2099.7478	**1050.3776**	700.5875
1722.6677	861.8375	574.8941	15	D	15	1932.7495	**966.8784**	644.9213
1835.7517	**918.3795**	612.5888	16	L	14	1817.7225	**909.3649**	606.5790
2002.7501	**1001.8787**	668.2549	17	S[167]	13	1704.6385	852.8229	568.8843
2117.7770	**1059.3921**	706.5972	18	D	12	1537.6401	769.3237	513.2182
2245.8720	**1123.4396**	749.2955	19	K	11	**1422.6132**	**711.8102**	474.8759
2360.8989	1180.9531	787.6378	20	D	10	1294.5182	647.7627	432.1776
2474.9418	1237.9746	825.6521	21	N	9	1179.4913	590.2493	393.8353
2603.9844	1302.4959	**868.6663**	22	E	8	1065.4483	**533.2278**	355.8210
2767.0478	1384.0275	923.0208	23	Y	7	**936.4057**	468.7065	312.8068
2882.0747	**1441.5410**	961.3631	24	D	6	**773.3424**	387.1748	258.4523
3011.1173	**1506.0623**	**1004.3773**	25	E	5	**658.3155**	329.6614	220.1100
3140.1599	**1570.5836**	1047.3915	26	E	4	529.2729	265.1401	177.0958
3268.2185	1634.6129	1090.0777	27	Q	3	400.2303	200.6188	134.0816
3365.2712	1683.1393	**1122.4286**	28	P	2	272.1717	136.5895	91.3954
			29	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.EAQS$_{167}$EES$_{167}$EDEESGSKENGEPLSYDPLGNLIR.-/3

0.9817

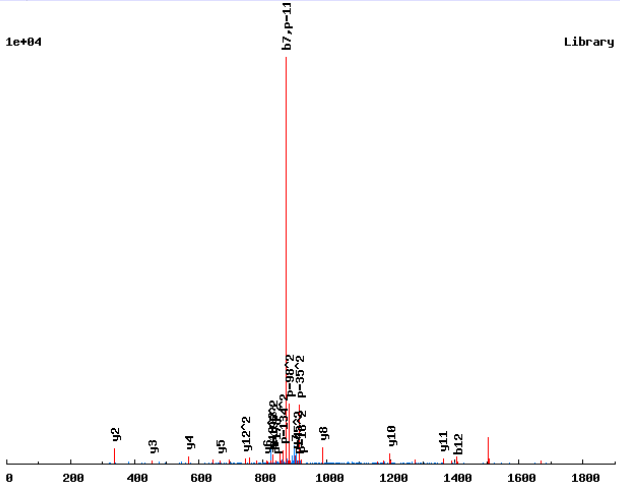


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	31			
201.0870	101.0471	67.7005	2	A	30	3439.4098	1720.2085	**1147.1414**
329.1456	165.0764	110.3867	3	Q	29	3368.3726	1684.6900	**1123.4624**
496.1439	248.5756	166.0528	4	S[167]	28	3240.3141	**1620.6607**	1080.7762
625.1865	313.0969	209.0670	5	E	27	3073.3157	1537.1615	1025.1101
754.2291	377.6182	252.0812	6	E	26	2944.2731	**1472.6402**	982.0959
921.2275	461.1174	307.7473	7	S[167]	25	2815.2305	**1408.1189**	**939.0817**
1050.2701	525.6387	350.7615	8	E	24	2648.2322	**1324.6197**	883.4156
1165.2970	583.1521	389.1039	9	D	23	2519.1896	**1260.0984**	840.4014
1294.3396	647.6734	432.1180	10	E	22	2404.1626	1202.5850	802.0591
1423.3822	712.1947	475.1322	11	E	21	2275.1200	**1138.0637**	759.0449
1510.4142	755.7107	504.1429	12	S	20	2146.0774	**1073.5424**	716.0307
1567.4357	784.2215	523.1501	13	G	19	2059.0454	1030.0263	687.0200
1654.4677	827.7375	552.1608	14	S	18	2002.0240	1001.5156	668.0128
1782.5627	891.7850	594.8591	15	K	17	1914.9919	**957.9996**	639.0022
1911.6052	956.3063	**637.8733**	16	E	16	1786.8970	893.9521	596.3038
2025.6482	**1013.3277**	675.8876	17	N	15	**1657.8544**	829.4308	553.2896
2082.6696	**1041.8385**	694.8947	18	G	14	**1543.8114**	**772.4094**	515.2753
2211.7122	**1106.3598**	737.9089	19	E	13	1486.7900	743.8986	496.2682
2308.7650	**1154.8861**	770.2598	20	P	12	**1357.7474**	**679.3773**	453.2540
2421.8490	1211.4282	807.9545	21	L	11	**1260.6946**	630.8510	420.9031
2508.8811	1254.9442	836.9652	22	S	10	**1147.6106**	574.3089	383.2084
2671.9444	**1336.4758**	891.3197	23	Y	9	**1060.5786**	530.7929	354.1977
2786.9713	**1393.9893**	**929.6620**	24	D	8	**897.5152**	449.2613	299.8433
2884.0241	**1442.5157**	962.0129	25	P	7	**782.4883**	391.7478	261.5009
2997.1082	**1499.0577**	**999.7076**	26	L	6	685.4355	343.2214	229.1500
3054.1296	1527.5685	1018.7147	27	G	5	572.3515	286.6794	191.4553
3168.1726	**1584.5899**	1056.7290	28	N	4	515.3300	258.1686	172.4482
3281.2566	**1641.1319**	1094.4237	29	L	3	401.2871	201.1472	134.4339
3394.3407	**1697.6740**	1132.1184	30	I	2	288.2030	144.6051	96.7392
			31	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.EAS$_{167}$KS$_{167}$PISSFVNDYR.S/2

0.9983

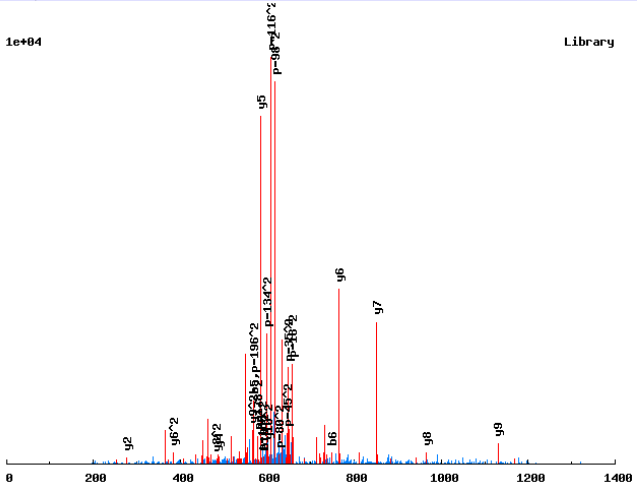


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	15		
201.0870	101.0471	2	A	14	1730.7186	865.8630
368.0853	184.5463	3	S[167]	13	1659.6815	**830.3444**
496.1803	248.5938	4	K	12	1492.6832	**746.8452**
663.1787	332.0930	5	S[167]	11	**1364.5882**	682.7977
760.2314	380.6194	6	P	10	**1197.5899**	599.2986
873.3155	437.1614	7	I	9	1100.5371	550.7722
960.3475	480.6774	8	S	8	**987.4530**	494.2302
1047.3795	524.1934	9	S	7	**900.4210**	450.7141
1194.4480	597.7276	10	F	6	**813.3890**	407.1981
1293.5164	647.2618	11	V	5	**666.3206**	333.6639
1407.5593	704.2833	12	N	4	**567.2522**	284.1297
1522.5862	761.7968	13	D	3	**453.2092**	227.1082
1685.6496	843.3284	14	Y	2	**338.1823**	169.5948
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.EAS$_{167}$LST$_{181}$PPNEK.F/2

0.9937

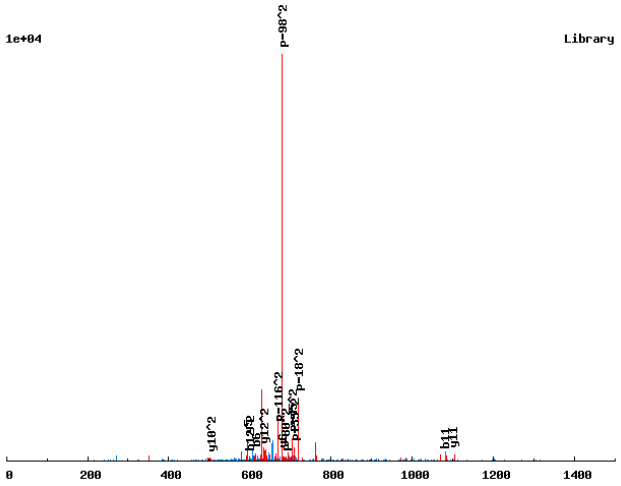


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	11		
201.0870	101.0471	2	A	10	1203.4694	**602.2383**
368.0853	184.5463	3	S[167]	9	**1132.4323**	**566.7198**
481.1694	241.0883	4	L	8	**965.4339**	**483.2206**
568.2014	284.6044	5	S	7	**852.3499**	426.6786
749.2154	375.1114	6	T[181]	6	**765.3179**	**383.1626**
846.2682	423.6377	7	P	5	**584.3038**	292.6556
943.3210	472.1641	8	P	4	**487.2511**	244.1292
1057.3639	529.1856	9	N	3	390.1983	195.6028
1186.4065	**593.7069**	10	E	2	**276.1554**	138.5813
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.E$_{111}$AS$_{167}$PAPTGSHSLTK$_{136}$.G/2

0.878

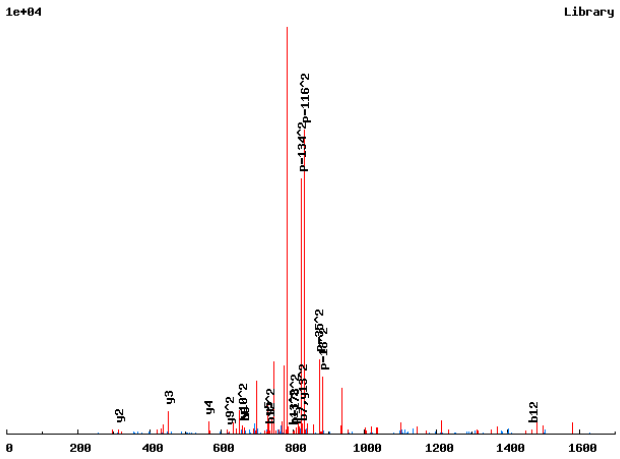


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	E[111]	14		
183.0764	92.0418	2	A	13	1341.6289	671.3181
350.0748	175.5410	3	S[167]	12	1270.5918	**635.7996**
447.1275	224.0674	4	P	11	**1103.5935**	552.3004
518.1646	259.5860	5	A	10	1006.5407	**503.7740**
615.2174	308.1123	6	P	9	935.5036	468.2554
716.2651	358.6362	7	T	8	838.4508	419.7291
773.2865	387.1469	8	G	7	737.4032	369.2052
860.3186	430.6629	9	S	6	**680.3817**	340.6945
997.3775	499.1924	10	H	5	**593.3497**	297.1785
1084.4095	542.7084	11	S	4	456.2908	228.6490
1197.4936	**599.2504**	12	L	3	369.2587	185.1330
1298.5413	649.7743	13	T	2	256.1747	128.5910
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.EAS$_{167}$PAQYSHS$_{167}$LHER$_{166}$.T/2

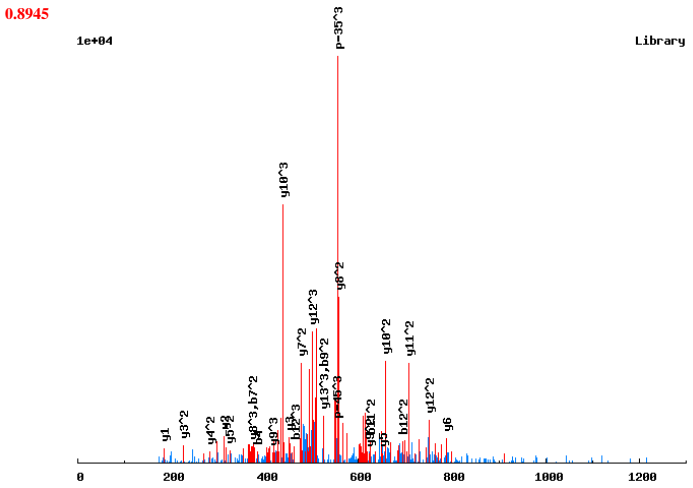
0.9932



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	14		
201.0870	101.0471	2	A	13	1652.6493	**826.8283**
368.0853	184.5463	3	S[167]	12	1581.6122	791.3098
465.1381	233.0727	4	P	11	1414.6139	707.8106
536.1752	268.5912	5	A	10	1317.5611	**659.2842**
664.2338	332.6205	6	Q	9	1246.5240	**623.7656**
827.2971	414.1522	7	Y	8	1118.4654	559.7363
914.3292	457.6682	8	S	7	955.4021	478.2047
1051.3881	526.1977	9	H	6	868.3701	434.6887
1218.3864	609.6969	10	S[167]	5	**731.3111**	366.1592
1331.4705	666.2389	11	L	4	**564.3128**	282.6600
1468.5294	**734.7683**	12	H	3	**451.2287**	226.1180
1597.5720	**799.2896**	13	E	2	**314.1698**	157.5885
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.EASPAQYS$_{167}$HSLHER$_{166}$.T/3

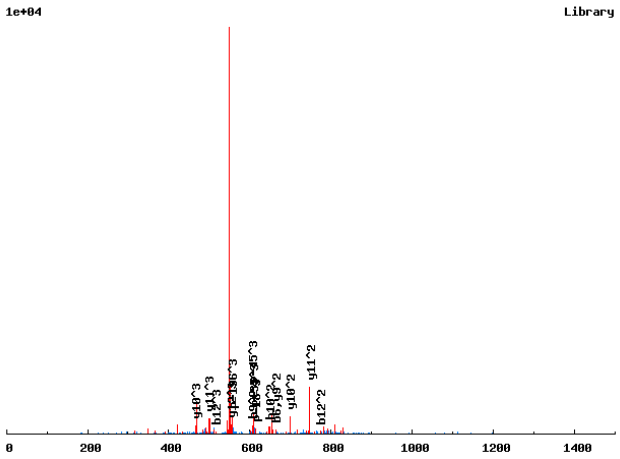


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	14			
201.0870	101.0471	67.7005	2	A	13	1572.6830	786.8451	**524.8992**
288.1190	144.5631	96.7112	3	S	12	1501.6459	**751.3266**	**501.2201**
385.1718	193.0895	129.0621	4	P	11	1414.6139	**707.8106**	472.2095
456.2089	228.6081	152.7411	5	A	10	1317.5611	**659.2842**	**439.8586**
584.2675	292.6374	195.4273	6	Q	9	1246.5240	**623.7656**	**416.1795**
747.3308	**374.1690**	249.7818	7	Y	8	1118.4654	**559.7363**	**373.4933**
914.3292	457.6682	305.4479	8	S[167]	7	955.4021	**478.2047**	319.1389
1051.3881	**526.1977**	351.1342	9	H	6	**788.4037**	394.7055	263.4728
1138.4201	569.7137	380.1449	10	S	5	**651.3448**	**326.1760**	217.7865
1251.5042	**626.2557**	417.8396	11	L	4	564.3128	**282.6600**	188.7758
1388.5631	**694.7852**	**463.5259**	12	H	3	**451.2287**	**226.1180**	151.0811
1517.6057	759.3065	506.5401	13	E	2	**314.1698**	157.5885	105.3948
			14	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.EAS$_{167}$PAQY$_{243}$S$_{167}$HSLHER$_{166}$.T/3

0.9015

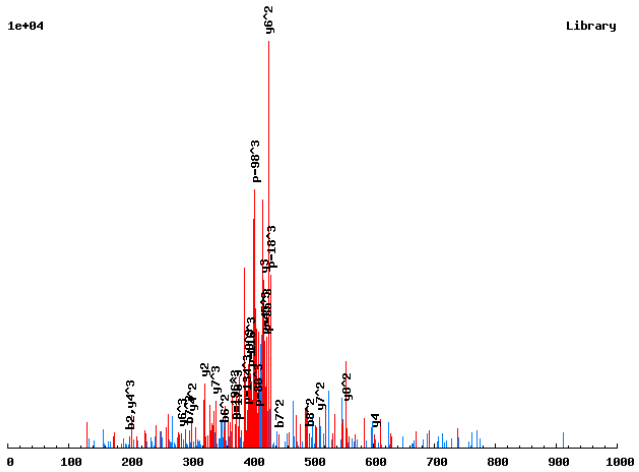


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	14			
201.0870	101.0471	67.7005	2	A	13	1732.6157	866.8115	578.2101
368.0853	184.5463	123.3666	3	S[167]	12	1661.5786	831.2929	**554.5310**
465.1381	233.0727	155.7176	4	P	11	1494.5802	**747.7937**	**498.8649**
536.1752	268.5912	179.3966	5	A	10	1397.5274	**699.2674**	**466.5140**
664.2338	332.6205	222.0828	6	Q	9	1326.4903	**663.7488**	442.8350
907.2635	454.1354	303.0927	7	Y[243]	8	1198.4317	599.7195	400.1488
1074.2618	537.6345	358.7588	8	S[167]	7	955.4021	478.2047	319.1389
1211.3207	**606.1640**	404.4451	9	H	6	788.4037	394.7055	263.4728
1298.3528	**649.6800**	433.4558	10	S	5	651.3448	326.1760	217.7865
1411.4368	706.2220	471.1505	11	L	4	564.3128	282.6600	188.7758
1548.4957	**774.7515**	**516.8368**	12	H	3	451.2287	226.1180	151.0811
1677.5383	839.2728	559.8510	13	E	2	314.1698	157.5885	105.3948
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.EASS$_{167}$S$_{167}$ST$_{181}$PS$_{167}$K$_{136}$.K/3

0.6512

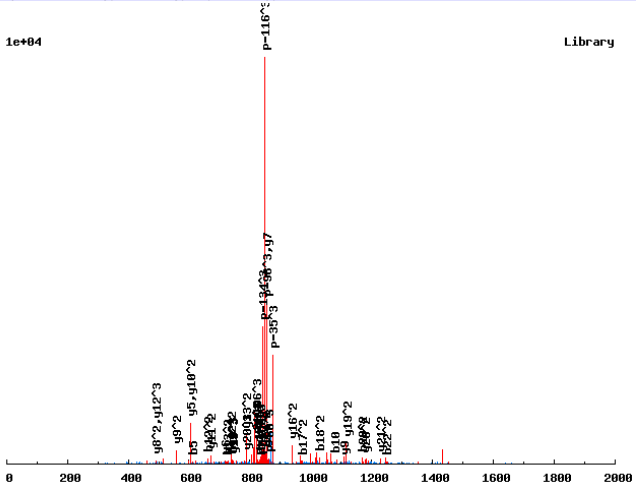


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	10			
201.0870	101.0471	67.7005	2	A	9	1179.2900	590.1487	**393.7682**
288.1190	144.5631	96.7112	3	S	8	1108.2529	**554.6301**	370.0892
455.1174	228.0623	152.3773	4	S[167]	7	1021.2209	**511.1141**	**341.0785**
622.1157	311.5615	208.0434	5	S[167]	6	854.2225	**427.6149**	**285.4124**
709.1478	**355.0775**	237.0541	6	S	5	687.2242	344.1157	229.7462
890.1618	**445.5845**	**297.3921**	7	T[181]	4	**600.1921**	**300.5997**	**200.7356**
987.2145	**494.1109**	329.7430	8	P	3	**419.1781**	210.0927	140.3976
1154.2129	577.6101	385.4092	9	S[167]	2	**322.1254**	161.5663	108.0466
			10	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.EATET$_{181}$SSAVQTK$_{136}$EPEEK$_{136}$IS$_{167}$IGNK$_{136}$.S/3

0.9916

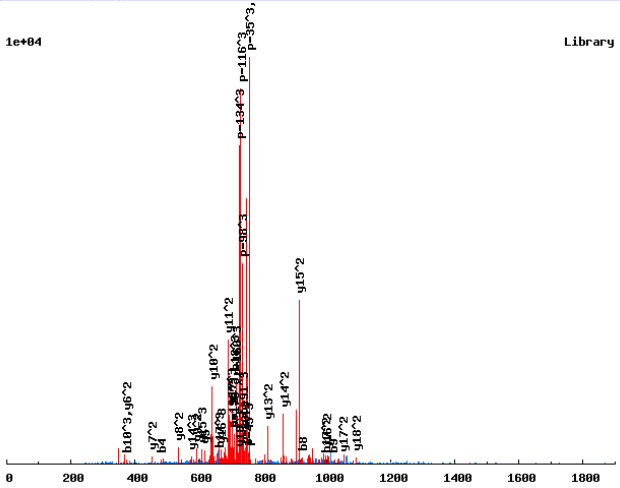


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	23			
201.0870	101.0471	67.7005	2	A	22	2531.1739	1266.0906	**844.3962**
302.1347	151.5710	101.3831	3	T	21	2460.1368	**1230.5721**	**820.7171**
431.1773	216.0923	144.3973	4	E	20	2359.0892	**1180.0482**	**787.0346**
612.1913	306.5993	204.7353	5	T[181]	19	2230.0466	**1115.5269**	**744.0204**
699.2233	350.1153	233.7460	6	S	18	2049.0326	1025.0199	683.6824
786.2553	393.6313	262.7566	7	S	17	1962.0005	981.5039	654.6717
857.2924	429.1499	286.4357	8	A	16	1874.9685	**937.9879**	625.6610
956.3608	478.6841	319.4585	9	V	15	1803.9314	902.4693	601.9820
1084.4194	542.7134	362.1447	10	Q	14	1704.8630	**852.9351**	568.9592
1185.4671	593.2372	395.8272	11	T	13	1576.8044	**788.9058**	526.2730
1321.5763	**661.2918**	441.1969	12	K[136]	12	1475.7567	**738.3820**	**492.5904**
1450.6188	**725.8131**	484.2111	13	E	11	1339.6476	**670.3274**	447.2207
1547.6716	774.3394	516.5621	14	P	10	1210.6050	**605.8061**	404.2065
1676.7142	**838.8607**	559.5763	15	E	9	**1113.5522**	**557.2797**	371.8556
1805.7568	903.3820	602.5904	16	E	8	984.5096	**492.7584**	328.8414
1941.8659	**971.4366**	647.9602	17	K[136]	7	**855.4670**	428.2372	285.8272
2054.9500	**1027.9786**	685.6549	18	I	6	**719.3579**	360.1826	240.4575
2221.9484	1111.4778	**741.3210**	19	S[167]	5	**606.2738**	303.6405	202.7628
2335.0324	**1168.0199**	779.0157	20	I	4	439.2754	220.1414	147.0967
2392.0539	1196.5306	798.0228	21	G	3	326.1914	163.5993	109.4020
2506.0968	**1253.5520**	**836.0371**	22	N	2	269.1699	135.0886	90.3948
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.EATT$_{181}$PTIETPIS$_{167}$C$_{160}$KPSLFR.L/3

0.8508

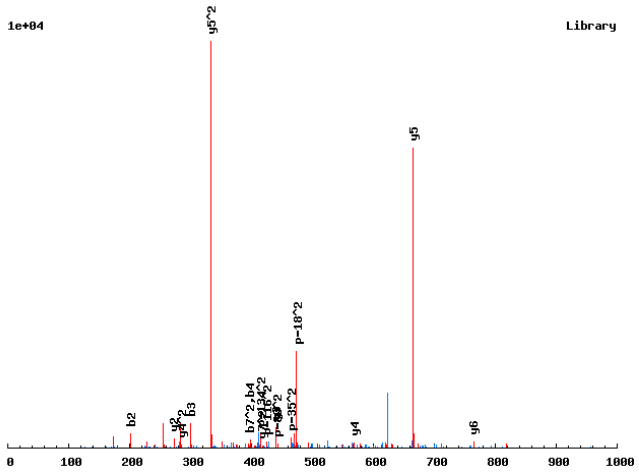


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	19			
201.0870	101.0471	67.7005	2	A	18	2178.9906	**1089.9989**	**727.0017**
302.1347	151.5710	101.3831	3	T	17	2107.9535	**1054.4804**	**703.3227**
483.1487	242.0780	161.7211	4	T[181]	16	2006.9058	**1003.9565**	**669.6401**
580.2014	290.6044	194.0720	5	P	15	1825.8918	**913.4495**	**609.3021**
681.2491	341.1282	227.7546	6	T	14	1728.8390	**864.9231**	**576.9512**
794.3332	397.6702	265.4492	7	I	13	1627.7913	**814.3993**	543.2686
923.3758	462.1915	308.4634	8	E	12	1514.7073	**757.8573**	505.5739
1024.4234	512.7154	342.1460	9	T	11	1385.6647	**693.3360**	462.5597
1121.4762	561.2417	**374.4969**	10	P	10	1284.6170	**642.8121**	428.8772
1234.5603	617.7838	412.1916	11	I	9	1187.5642	**594.2858**	396.5263
1401.5586	701.2830	467.8577	12	S[167]	8	1074.4802	**537.7437**	358.8316
1561.5893	781.2983	521.2013	13	C[160]	7	907.4818	**454.2446**	303.1655
1689.6842	845.3458	563.8996	14	K	6	747.4512	**374.2292**	249.8219
1786.7370	893.8721	596.2505	15	P	5	**619.3562**	310.1817	207.1236
1873.7690	937.3882	625.2612	16	S	4	522.3034	261.6554	174.7727
1986.8531	**993.9302**	**662.9559**	17	L	3	435.2714	218.1393	145.7620
2133.9215	1067.4644	**711.9787**	18	F	2	322.1874	161.5973	108.0673
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.EAVPES$_{167}$PR.A/2

0.9782

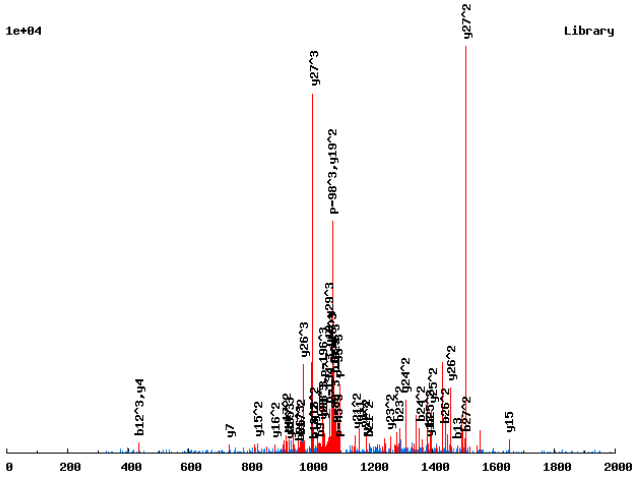


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	8		
201.0870	101.0471	2	A	7	835.3709	**418.1891**
300.1554	150.5813	3	V	6	**764.3338**	382.6706
397.2081	199.1077	4	P	5	**665.2654**	**333.1364**
526.2507	263.6290	5	E	4	**568.2127**	**284.6100**
693.2491	347.1282	6	S[167]	3	**439.1701**	220.0887
790.3019	**395.6546**	7	P	2	**272.1717**	136.5895
		8	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.EAVPES$_{167}$PR$_{166}$ASGET$_{181}$AIHEPEPEAEQAVEDTA.-/3

0.9993

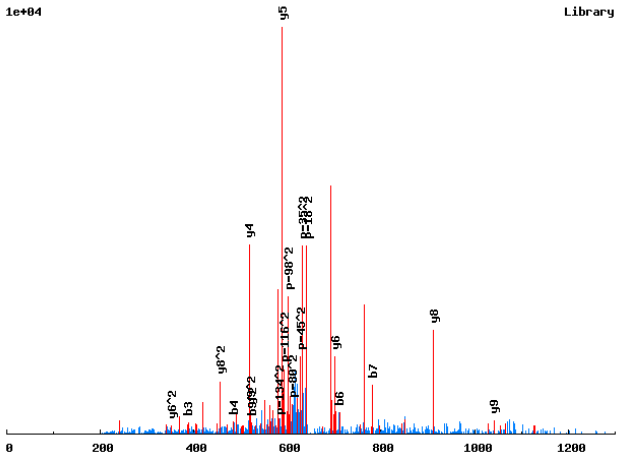


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	30			
201.0870	101.0471	67.7005	2	A	29	3187.3379	1594.1726	**1063.1175**
300.1554	150.5813	100.7233	3	V	28	3116.3008	1558.6540	**1039.4385**
397.2081	199.1077	133.0742	4	P	27	3017.2324	**1509.1198**	**1006.4156**
526.2507	263.6290	176.0884	5	E	26	2920.1796	**1460.5935**	**974.0647**
693.2491	347.1282	231.7546	6	S[167]	25	2791.1370	**1396.0722**	**931.0505**
790.3019	395.6546	264.1055	7	P	24	2624.1387	**1312.5730**	875.3844
956.4112	478.7093	319.4753	8	R[166]	23	2527.0859	**1264.0466**	843.0335
1027.4484	514.2278	343.1543	9	A	22	2360.9765	**1180.9919**	787.6637
1114.4804	557.7438	372.1650	10	S	21	2289.9394	**1145.4734**	763.9847
1171.5018	586.2546	391.1721	11	G	20	2202.9074	1101.9573	734.9740
1300.5444	650.7759	**434.1863**	12	E	19	2145.8859	**1073.4466**	715.9668
1481.5584	741.2829	494.5243	13	T[181]	18	2016.8433	**1008.9253**	672.9526
1552.5956	776.8014	518.2034	14	A	17	1835.8293	**918.4183**	612.6146
1665.6796	833.3434	555.8981	15	I	16	1764.7922	**882.8998**	588.9356
1802.7385	901.8729	601.5844	16	H	15	**1651.7082**	**826.3577**	551.2409
1931.7811	**966.3942**	644.5986	17	E	14	1514.6492	757.8283	505.5546
2028.8339	**1014.9206**	676.9495	18	P	13	**1385.6067**	693.3070	462.5404
2157.8765	**1079.4419**	719.9637	19	E	12	1288.5539	644.7806	430.1895
2254.9292	1127.9683	752.3146	20	P	11	**1159.5113**	580.2593	387.1753
2383.9718	**1192.4895**	795.3288	21	E	10	**1062.4586**	531.7329	354.8244
2455.0089	1228.0081	819.0078	22	A	9	933.4160	467.2116	311.8102
2584.0515	**1292.5294**	862.0220	23	E	8	862.3789	431.6931	288.1311
2712.1101	**1356.5587**	904.7082	24	Q	7	**733.3363**	367.1718	245.1169
2783.1472	**1392.0772**	**928.3873**	25	A	6	605.2777	303.1425	202.4307
2882.2156	**1441.6114**	**961.4101**	26	V	5	534.2406	267.6239	178.7517
3011.2582	**1506.1327**	1004.4243	27	E	4	**435.1722**	218.0897	145.7289
3126.2851	1563.6462	**1042.7666**	28	D	3	306.1296	153.5684	102.7147
3227.3328	1614.1701	**1076.4491**	29	T	2	191.1026	96.0550	64.3724
			30	A	1	90.0549	45.5311	30.6898

Annotated spectra from Saleem et. al. 2009

K.EEEPILAPS$_{167}$VK$_{136}$.D/2

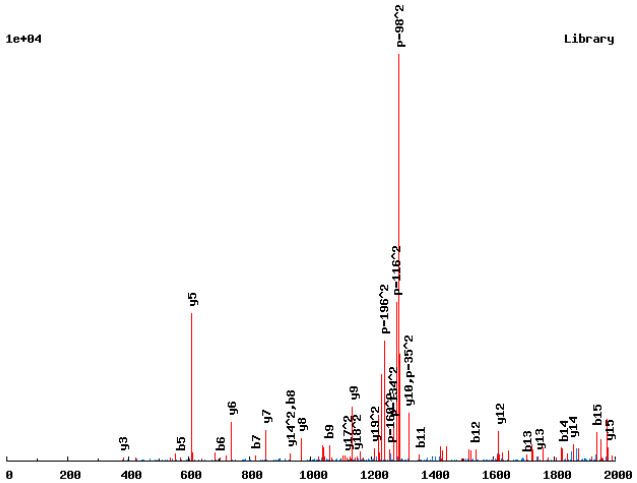
0.8832



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	11		
259.0925	130.0499	2	E	10	1170.5897	585.7985
388.1350	194.5712	3	E	9	**1041.5471**	**521.2772**
485.1878	243.0975	4	P	8	**912.5045**	**456.7559**
598.2719	299.6396	5	I	7	815.4518	408.2295
711.3559	356.1816	6	L	6	**702.3677**	**351.6875**
782.3930	391.7002	7	A	5	**589.2836**	295.1455
879.4458	440.2265	8	P	4	**518.2465**	259.6269
1046.4442	**523.7257**	9	S[167]	3	421.1938	211.1005
1145.5126	573.2599	10	V	2	254.1954	127.6013
		11	K[136]	1	155.1270	78.0671

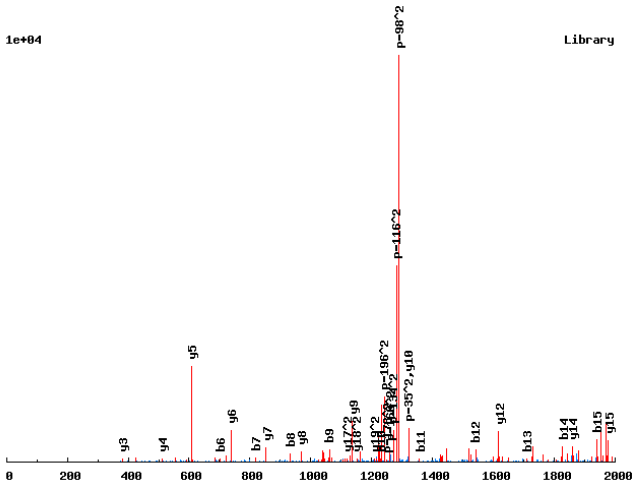
K.EENAEEDDES$_{167}$EWS$_{167}$DDEPEVVR$_{166}$.E/2

1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	21		
259.0925	130.0499	2	E	20	2548.8788	1274.9430
373.1354	187.0713	3	N	19	2419.8362	**1210.4217**
444.1725	222.5899	4	A	18	2305.7932	**1153.4003**
573.2151	287.1112	5	E	17	2234.7561	**1117.8817**
702.2577	351.6325	6	E	16	2105.7135	1053.3604
817.2846	409.1460	7	D	15	**1976.6710**	988.8391
932.3116	466.6594	8	D	14	**1861.6440**	**931.3256**
1061.3541	531.1807	9	E	13	**1746.6171**	873.8122
1228.3525	614.6799	10	S[167]	12	**1617.5745**	809.2909
1357.3951	679.2012	11	E	11	1450.5761	725.7917
1543.4744	772.2408	12	W	10	**1321.5335**	661.2704
1710.4728	855.7400	13	S[167]	9	**1135.4542**	568.2307
1825.4997	913.2535	14	D	8	**968.4559**	484.7316
1940.5267	970.7670	15	D	7	**853.4289**	427.2181
2069.5692	1035.2883	16	E	6	**738.4020**	369.7046
2166.6220	1083.8146	17	P	5	**609.3594**	305.1833
2295.6646	1148.3359	18	E	4	512.3066	256.6570
2394.7330	1197.8701	19	V	3	**383.2640**	192.1357
2493.8014	1247.4043	20	V	2	284.1956	142.6015
		21	R[166]	1	185.1272	93.0672

1

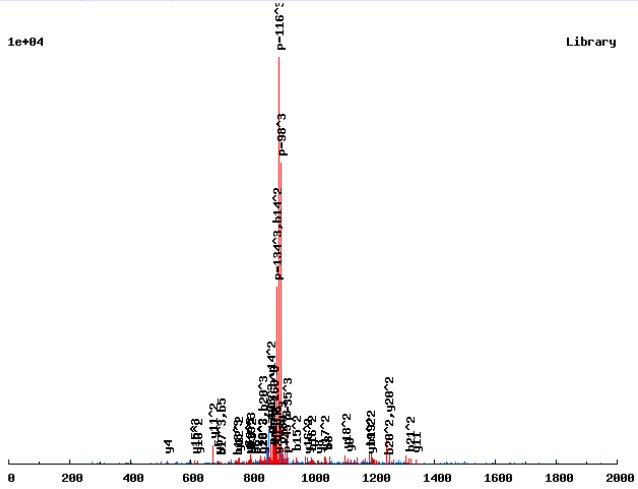


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	21		
259.0925	130.0499	2	E	20	2548.8788	1274.9430
373.1354	187.0713	3	N	19	2419.8362	**1210.4217**
444.1725	222.5899	4	A	18	2305.7932	**1153.4003**
573.2151	287.1112	5	E	17	2234.7561	**1117.8817**
702.2577	351.6325	6	E	16	2105.7135	1053.3604
817.2846	409.1460	7	D	15	**1976.6710**	988.8391
932.3116	466.6594	8	D	14	**1861.6440**	931.3256
1061.3541	531.1807	9	E	13	1746.6171	873.8122
1228.3525	614.6799	10	S[167]	12	**1617.5745**	809.2909
1357.3951	679.2012	11	E	11	1450.5761	725.7917
1543.4744	772.2408	12	W	10	**1321.5335**	661.2704
1710.4728	855.7400	13	S[167]	9	**1135.4542**	568.2307
1825.4997	913.2535	14	D	8	**968.4559**	484.7316
1940.5267	970.7670	15	D	7	**853.4289**	427.2181
2069.5692	1035.2883	16	E	6	**738.4020**	369.7046
2166.6220	1083.8146	17	P	5	**609.3594**	305.1833
2295.6646	1148.3359	18	E	4	**512.3066**	256.6570
2394.7330	1197.8701	19	V	3	**383.2640**	192.1357
2493.8014	1247.4043	20	V	2	284.1956	142.6015
		21	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.EFEYKDQDQSS$_{167}$PKVEVTS$_{167}$EDEK.E/3

0.9991

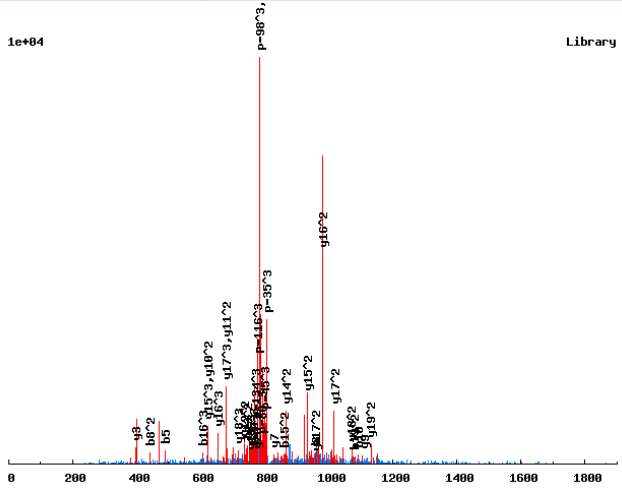


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	22			
277.1183	139.0628	93.0443	2	F	21	2648.0688	1324.5380	**883.3611**
406.1609	203.5841	136.0585	3	E	20	2501.0004	**1251.0038**	**834.3383**
569.2242	285.1157	190.4129	4	Y	19	2371.9578	**1186.4825**	**791.3241**
697.3192	349.1632	233.1112	5	K	18	2208.8945	**1104.9509**	736.9697
812.3461	406.6767	271.4536	6	D	17	2080.7995	**1040.9034**	694.2714
940.4047	470.7060	314.1397	7	Q	16	1965.7726	**983.3899**	655.9290
1055.4316	528.2195	352.4821	8	D	15	1837.7140	919.3606	**613.2429**
1183.4902	592.2487	395.1683	9	Q	14	1722.6871	**861.8472**	574.9005
1270.5222	635.7648	424.1789	10	S	13	1594.6285	**797.8179**	532.2143
1437.5206	719.2639	479.8451	11	S[167]	12	1507.5965	**754.3019**	503.2037
1534.5734	767.7903	512.1960	12	P	11	**1340.5981**	**670.8027**	447.5376
1662.6683	**831.8378**	554.8943	13	K	10	1243.5453	**622.2763**	415.1866
1761.7367	**881.3720**	587.9171	14	V	9	**1115.4504**	558.2288	372.4883
1890.7793	**945.8933**	630.9313	15	E	8	**1016.3820**	508.6946	339.4655
1989.8477	**995.4275**	663.9541	16	V	7	**887.3394**	444.1733	296.4513
2090.8954	1045.9513	**697.6367**	17	T	6	**788.2710**	394.6391	263.4285
2257.8938	1129.4505	**753.3028**	18	S[167]	5	**687.2233**	344.1153	229.7459
2386.9364	**1193.9718**	**796.3170**	19	E	4	**520.2249**	260.6161	174.0798
2501.9633	**1251.4853**	**834.6593**	20	D	3	391.1823	196.0948	131.0656
2631.0059	**1316.0066**	**877.6735**	21	E	2	276.1554	138.5813	92.7233
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.EGDDAPES$_{167}$PDIHFEPVVHLEK$_{136}$.V/3

0.9909

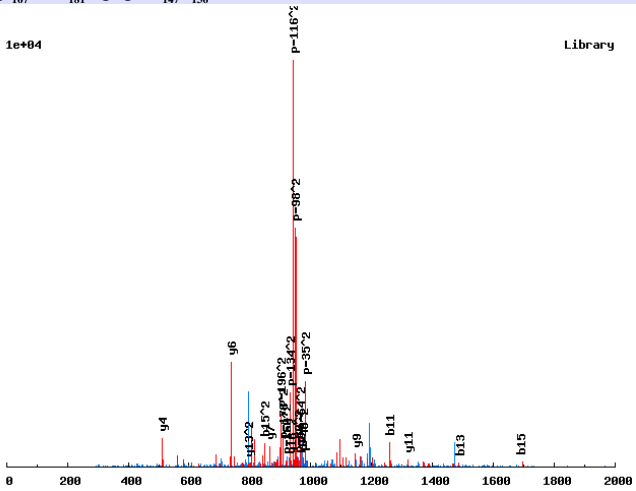


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	21			
187.0713	94.0393	63.0286	2	G	20	2319.0420	1160.0246	**773.6855**
302.0983	151.5528	101.3709	3	D	19	2262.0205	**1131.5139**	**754.6784**
417.1252	209.0662	139.7133	4	D	18	2146.9936	**1074.0004**	**716.3360**
488.1623	244.5848	163.3923	5	A	17	2031.9666	**1016.4870**	**677.9937**
585.2151	293.1112	195.7432	6	P	16	1960.9295	**980.9684**	**654.3147**
714.2577	357.6325	238.7574	7	E	15	1863.8768	**932.4420**	**621.9638**
881.2560	**441.1317**	294.4235	8	S[167]	14	1734.8342	**867.9207**	578.9496
978.3088	489.6580	326.7745	9	P	13	1567.8358	**784.4215**	523.2835
1093.3357	547.1715	365.1168	10	D	12	1470.7830	**735.8952**	490.9325
1206.4198	603.7135	402.8115	11	I	11	1355.7561	**678.3817**	452.5902
1343.4787	672.2430	448.4978	12	H	10	1242.6720	**621.8397**	414.8955
1490.5471	**745.7772**	497.5206	13	F	9	**1105.6131**	553.3102	369.2092
1619.5897	810.2985	540.5348	14	E	8	**958.5447**	479.7760	320.1864
1716.6425	**858.8249**	572.8857	15	P	7	**829.5021**	415.2547	277.1722
1815.7109	908.3591	**605.9085**	16	V	6	732.4494	366.7283	244.8213
1914.7793	**957.8933**	638.9313	17	V	5	633.3810	317.1941	211.7985
2051.8382	1026.4227	684.6176	18	H	4	534.3126	267.6599	178.7757
2164.9223	**1082.9648**	722.3123	19	L	3	**397.2536**	199.1305	133.0894
2293.9648	1147.4861	**765.3265**	20	E	2	284.1696	142.5884	95.3947
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.EGPQS$_{167}$VSST$_{181}$VQPQPIM$_{147}$K$_{136}$F/2

0.926

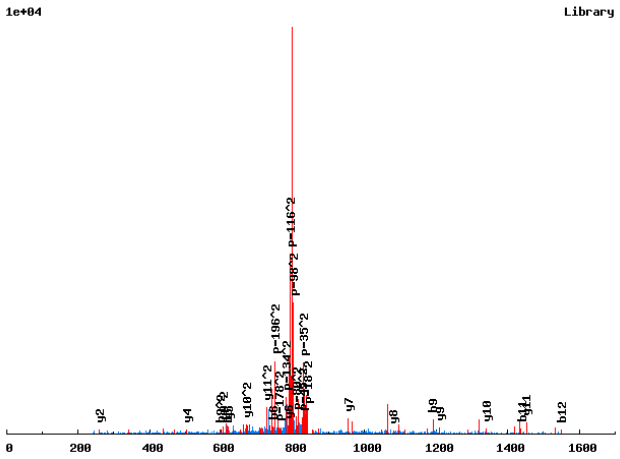


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	17		
187.0713	94.0393	2	G	16	1867.8152	**934.4112**
284.1241	142.5657	3	P	15	1810.7937	905.9005
412.1827	206.5950	4	Q	14	1713.7410	857.3741
579.1810	290.0942	5	S[167]	13	1585.6824	**793.3448**
678.2494	339.6284	6	V	12	1418.6840	709.8457
765.2815	383.1444	7	S	11	**1319.6156**	660.3114
852.3135	426.6604	8	S	10	1232.5836	616.7954
1033.3275	517.1674	9	T[181]	9	**1145.5516**	573.2794
1132.3959	566.7016	10	V	8	**964.5375**	482.7724
1260.4545	630.7309	11	Q	7	**865.4691**	433.2382
1357.5073	679.2573	12	P	6	**737.4106**	369.2089
1485.5658	743.2866	13	Q	5	640.3578	320.6825
1582.6186	791.8129	14	P	4	**512.2992**	256.6532
1695.7027	**848.3550**	15	I	3	415.2465	208.1269
1842.7381	921.8727	16	M[147]	2	302.1624	151.5848
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.EIDEQES$_{167}$S$_{167}$DDELK.T/2

0.9623

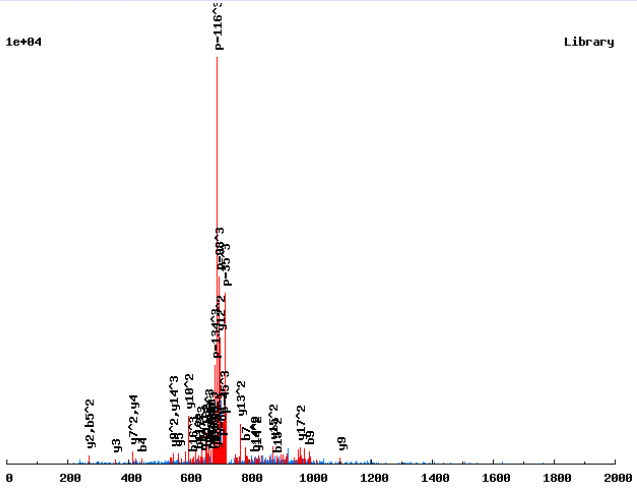


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	13		
243.1339	122.0706	2	I	12	1567.5448	784.2760
358.1609	179.5841	3	D	11	**1454.4608**	**727.7340**
487.2035	244.1054	4	E	10	**1339.4338**	**670.2205**
615.2620	308.1347	5	Q	9	**1210.3912**	**605.6993**
744.3046	372.6560	6	E	8	**1082.3326**	541.6700
911.3030	456.1551	7	S[167]	7	**953.2901**	477.1487
1078.3014	539.6543	8	S[167]	6	**786.2917**	393.6495
1193.3283	**597.1678**	9	D	5	**619.2933**	310.1503
1308.3552	654.6813	10	D	4	**504.2664**	252.6368
1437.3978	719.2026	11	E	3	389.2394	195.1234
1550.4819	775.7446	12	L	2	**260.1969**	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.EKADTLKPLPS$_{167}$VTS$_{167}$FGSPR.K/3

0.8027

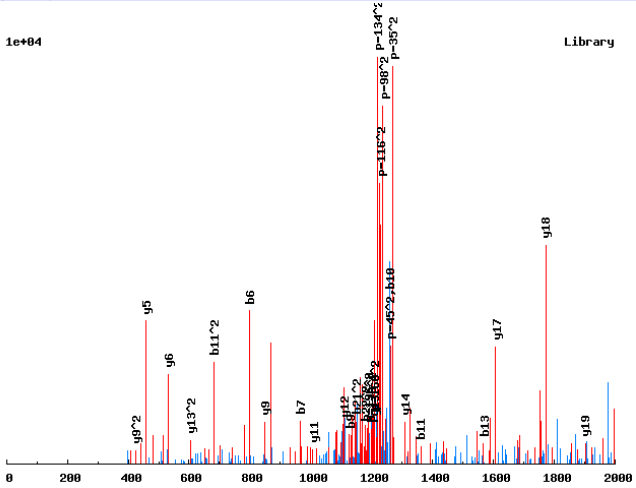


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	19			
258.1448	129.5761	86.7198	2	K	18	2060.9817	1030.9945	**687.6654**
329.1819	165.0946	110.3988	3	A	17	1932.8868	**966.9470**	**644.9671**
444.2089	222.6081	148.7411	4	D	16	1861.8496	931.4285	621.2881
545.2566	**273.1319**	182.4237	5	T	15	1746.8227	**873.9150**	582.9458
658.3406	329.6740	220.1184	6	L	14	1645.7750	**823.3912**	**549.2632**
786.4356	393.7214	262.8167	7	K	13	1532.6910	**766.8491**	511.5685
883.4883	442.2478	295.1676	8	P	12	1404.5960	**702.8016**	468.8702
996.5724	498.7898	332.8623	9	L	11	1307.5432	**654.2753**	436.5193
1093.6252	547.3162	365.2132	10	P	10	1194.4592	**597.7332**	398.8246
1260.6235	**630.8154**	420.8794	11	S[167]	9	**1097.4064**	**549.2069**	366.4737
1359.6919	**680.3496**	453.9022	12	V	8	930.4081	465.7077	310.8075
1460.7396	730.8734	487.5847	13	T	7	831.3397	**416.1735**	277.7847
1627.7380	**814.3726**	543.2508	14	S[167]	6	730.2920	365.6496	244.1022
1774.8064	**887.9068**	592.2736	15	F	5	**563.2936**	282.1504	188.4361
1831.8278	916.4176	**611.2808**	16	G	4	**416.2252**	208.6162	139.4133
1918.8599	959.9336	**640.2915**	17	S	3	**359.2037**	180.1055	120.4061
2015.9126	1008.4600	**672.6424**	18	P	2	**272.1717**	136.5895	91.3954
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.EKET$_{181}$TES$_{167}$PAETTTGTSTEAPSAAN.-/2

0.9223

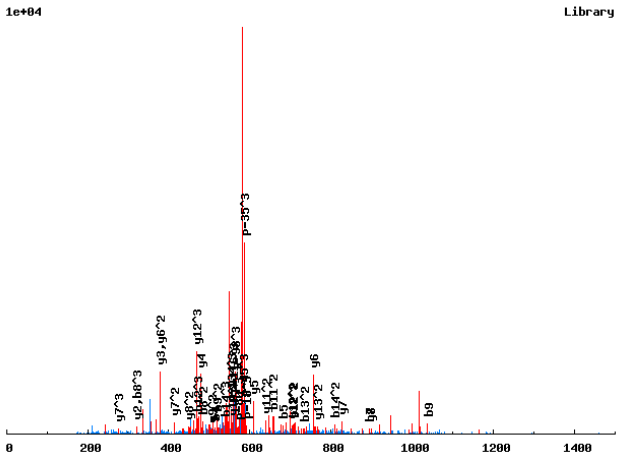


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	24		
258.1448	129.5761	2	K	23	2440.9640	1220.9857
387.1874	194.0973	3	E	22	2312.8691	1156.9382
568.2014	284.6044	4	T[181]	21	2183.8265	1092.4169
669.2491	335.1282	5	T	20	2002.8125	1001.9099
798.2917	399.6495	6	E	19	**1901.7648**	951.3860
965.2901	483.1487	7	S[167]	18	**1772.7222**	886.8647
1062.3428	531.6751	8	P	17	**1605.7238**	803.3656
1133.3799	567.1936	9	A	16	1508.6711	754.8392
1262.4225	631.7149	10	E	15	1437.6340	719.3206
1363.4702	**682.2387**	11	T	14	**1308.5914**	654.7993
1464.5179	732.7626	12	T	13	**1207.5437**	**604.2755**
1565.5656	783.2864	13	T	12	**1106.4960**	553.7516
1622.5870	811.7972	14	G	11	**1005.4483**	503.2278
1723.6347	862.3210	15	T	10	948.4269	474.7171
1810.6667	905.8370	16	S	9	**847.3792**	**424.1932**
1911.7144	956.3608	17	T	8	760.3472	380.6772
2040.7570	1020.8821	18	E	7	659.2995	330.1534
2111.7941	1056.4007	19	A	6	**530.2569**	265.6321
2208.8469	1104.9271	20	P	5	**459.2198**	230.1135
2295.8789	**1148.4431**	21	S	4	362.1670	181.5871
2366.9160	**1183.9616**	22	A	3	275.1350	138.0711
2437.9531	**1219.4802**	23	A	2	204.0979	102.5526
		24	N	1	133.0608	67.0340

Annotated spectra from Saleem et. al. 2009

K.EKQES$_{167}$PDAAFETGFR.K/3

0.7003

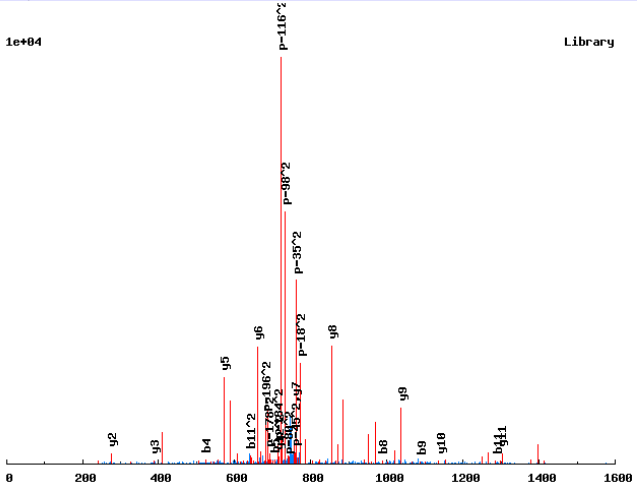


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	15			
258.1448	129.5761	86.7198	2	K	14	1662.7159	831.8616	554.9102
386.2034	193.6053	129.4060	3	Q	13	1534.6210	**767.8141**	512.2118
515.2460	258.1266	172.4202	4	E	12	1406.5624	**703.7848**	**469.5256**
682.2444	341.6258	228.0863	5	S[167]	11	1277.5198	**639.2635**	426.5114
779.2971	390.1522	260.4372	6	P	10	1110.5214	**555.7644**	370.8453
894.3241	447.6657	298.7795	7	D	9	1013.4687	**507.2380**	338.4944
965.3612	**483.1842**	**322.4586**	8	A	8	**898.4417**	**449.7245**	300.1521
1036.3983	**518.7028**	346.1376	9	A	7	**827.4046**	**414.2059**	**276.4731**
1183.4667	592.2370	395.1604	10	F	6	**756.3675**	**378.6874**	252.7940
1312.5093	**656.7583**	438.1746	11	E	5	**609.2991**	305.1532	203.7712
1413.5570	**707.2821**	**471.8572**	12	T	4	**480.2565**	240.6319	160.7570
1470.5784	**735.7929**	490.8643	13	G	3	**379.2088**	190.1080	127.0745
1617.6468	**809.3271**	**539.8871**	14	F	2	**322.1874**	161.5973	108.0673
			15	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.EKS$_{167}$VT$_{181}$PVSPSIEK.K/2

0.9502

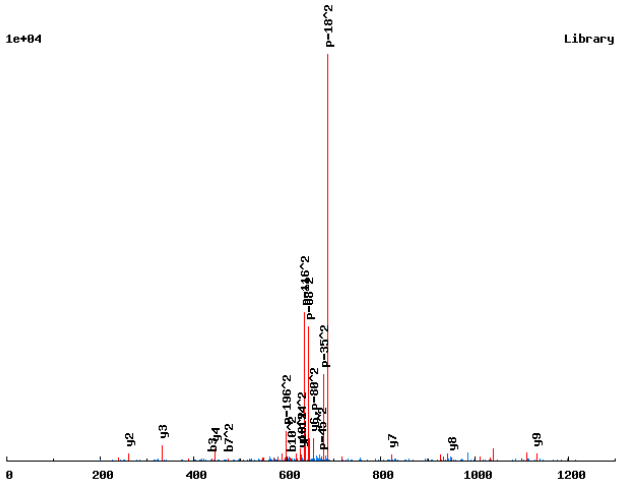


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	13		
258.1448	129.5761	2	K	12	1431.6532	**716.3302**
425.1432	213.0752	3	S[167]	11	**1303.5582**	652.2828
524.2116	262.6094	4	V	10	**1136.5599**	568.7836
705.2256	353.1164	5	T[181]	9	**1037.4915**	519.2494
802.2784	401.6428	6	P	8	**856.4774**	428.7424
901.3468	451.1770	7	V	7	**759.4247**	380.2160
988.3788	494.6930	8	S	6	**660.3563**	330.6818
1085.4316	543.2194	9	P	5	**573.3242**	287.1658
1172.4636	586.7354	10	S	4	476.2715	238.6394
1285.5477	**643.2775**	11	I	3	**389.2394**	195.1234
1414.5903	707.7988	12	E	2	**276.1554**	138.5813
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.EKT$_{181}$QS$_{167}$PILASR.R/2

0.9514

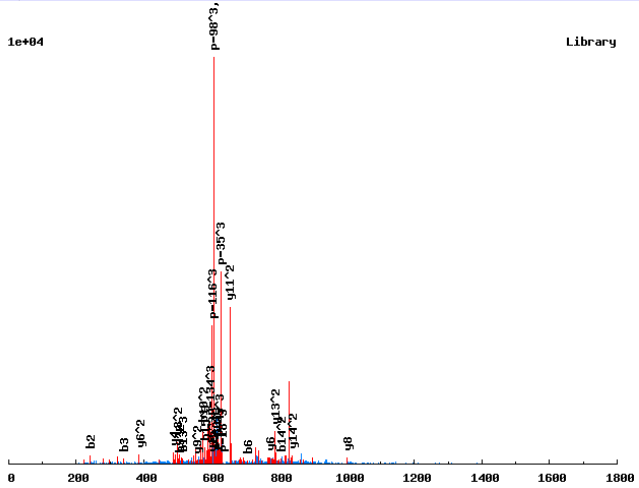


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	11		
258.1448	129.5761	2	K	10	1260.5749	**630.7911**
439.1588	220.0831	3	T[181]	9	**1132.4799**	566.7436
567.2174	284.1124	4	Q	8	**951.4659**	476.2366
734.2158	367.6115	5	S[167]	7	**823.4073**	412.2073
831.2685	416.1379	6	P	6	**656.4090**	328.7081
944.3526	**472.6799**	7	I	5	559.3562	280.1817
1057.4367	529.2220	8	L	4	**446.2722**	223.6397
1128.4738	564.7405	9	A	3	**333.1881**	167.0977
1215.5058	**608.2565**	10	S	2	**262.1510**	131.5791
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.E$_{111}$KTS$_{167}$TPPLPMHFNAQR.R/3

0.7829

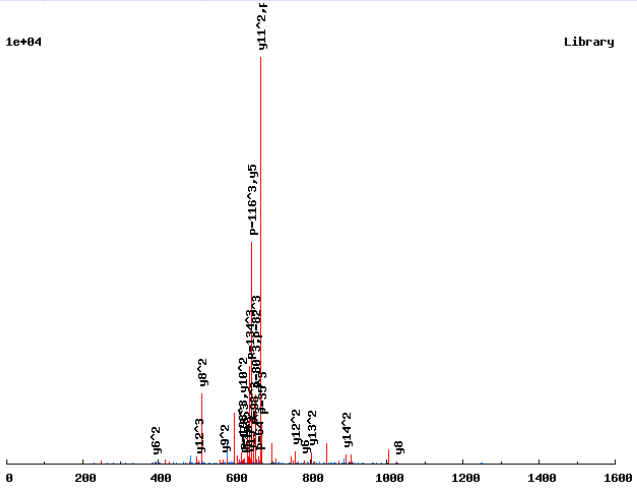


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	E[111]	16			
240.1343	120.5708	80.7163	2	K	15	1804.8564	902.9318	**602.2903**
341.1819	171.0946	114.3988	3	T	14	1676.7614	**838.8844**	559.5920
508.1803	254.5938	170.0650	4	S[167]	13	1575.7138	**788.3605**	525.9094
609.2280	305.1176	203.7475	5	T	12	1408.7154	704.8613	470.2433
706.2807	353.6440	236.0984	6	P	11	1307.6677	**654.3375**	436.5608
803.3335	402.1704	268.4494	7	P	10	1210.6150	**605.8111**	404.2098
916.4176	458.7124	306.1440	8	L	9	1113.5622	**557.2847**	371.8589
1013.4703	**507.2388**	338.4950	9	P	8	**1000.4781**	**500.7427**	334.1642
1144.5108	**572.7590**	382.1751	10	M	7	903.4254	452.2163	301.8133
1281.5697	641.2885	427.8614	11	H	6	**772.3849**	**386.6961**	258.1332
1428.6381	714.8227	476.8842	12	F	5	635.3260	318.1666	212.4468
1542.6811	771.8442	**514.8985**	13	N	4	**488.2576**	244.6324	163.4240
1613.7182	**807.3627**	538.5776	14	A	3	374.2146	187.6110	125.4097
1741.7768	871.3920	**581.2638**	15	Q	2	303.1775	152.0924	101.7307
			16	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.EK$_{136}$T$_{181}$ST$_{181}$PPLPM$_{147}$HFNAQR$_{166}$.R/3

0.9602

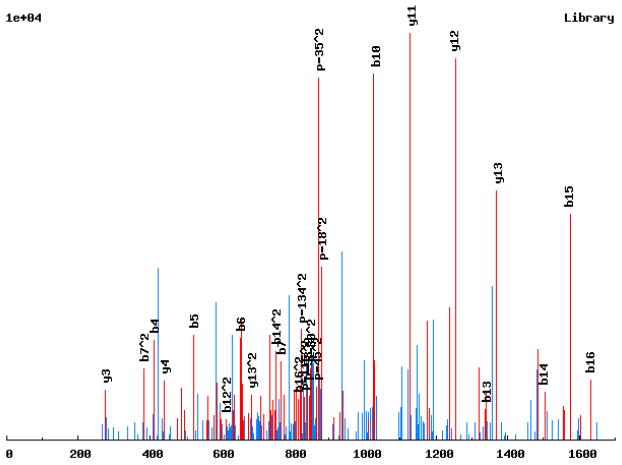


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	16			
266.1590	133.5832	89.3912	2	K[136]	15	1918.8401	959.9237	**640.2849**
447.1730	224.0902	149.7292	3	T[181]	14	1782.7310	**891.8691**	594.9152
534.2051	267.6062	178.7399	4	S	13	1601.7169	**801.3621**	534.5772
715.2191	358.1132	239.0779	5	T[181]	12	1514.6849	**757.8461**	**505.5665**
812.2718	406.6396	271.4288	6	P	11	1333.6709	**667.3391**	445.2285
909.3246	455.1659	303.7797	7	P	10	1236.6181	**618.8127**	412.8776
1022.4087	511.7080	341.4744	8	L	9	1139.5654	**570.2863**	380.5266
1119.4614	560.2344	373.8253	9	P	8	**1026.4813**	**513.7443**	342.8320
1266.4968	**633.7521**	422.8371	10	M[147]	7	929.4286	465.2179	310.4810
1403.5557	702.2815	468.5234	11	H	6	**782.3932**	**391.7002**	261.4692
1550.6241	775.8157	517.5462	12	F	5	**645.3342**	323.1708	215.7829
1664.6671	832.8372	555.5605	13	N	4	498.2658	249.6366	166.7601
1735.7042	868.3557	579.2396	14	A	3	384.2229	192.6151	128.7458
1863.7628	932.3850	621.9258	15	Q	2	313.1858	157.0965	105.0668
			16	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.ELAPIQLSDGKAIS$_{167}$AGK.A/2

0.7823

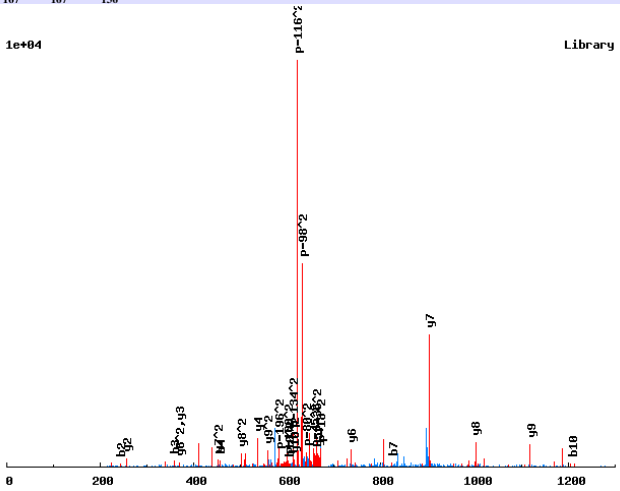


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	17		
243.1339	122.0706	2	L	16	1648.8669	824.9371
314.1710	157.5892	3	A	15	1535.7829	768.3951
411.2238	206.1155	4	P	14	1464.7458	732.8765
524.3079	262.6576	5	I	13	**1367.6930**	**684.3501**
652.3664	326.6869	6	Q	12	**1254.6089**	627.8081
765.4505	**383.2289**	7	L	11	**1126.5504**	563.7788
852.4825	426.7449	8	S	10	1013.4663	507.2368
967.5095	484.2584	9	D	9	926.4343	463.7208
1024.5309	512.7691	10	G	8	811.4073	406.2073
1152.6259	576.8166	11	K	7	754.3859	377.6966
1223.6630	**612.3351**	12	A	6	626.2909	313.6491
1336.7471	668.8772	13	I	5	555.2538	278.1305
1503.7454	**752.3764**	14	S[167]	4	**442.1697**	221.5885
1574.7825	787.8949	15	A	3	**275.1714**	138.0893
1631.8040	**816.4056**	16	G	2	204.1343	102.5708
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ELDVS$_{167}$AES$_{167}$LTK$_{136}$.R/2

0.9979

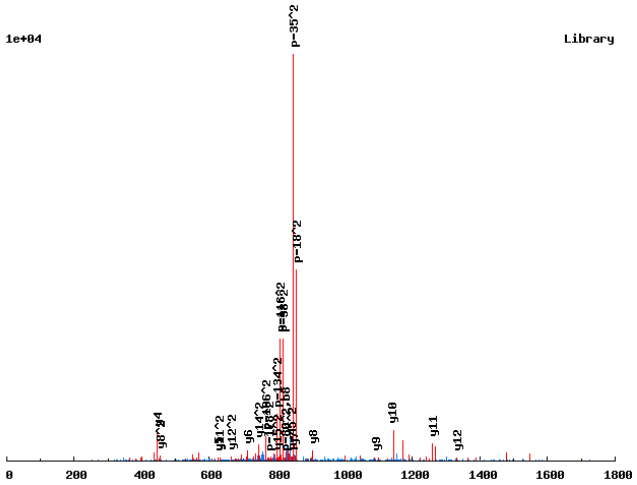


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	11		
243.1339	122.0706	2	L	10	1230.5146	615.7609
358.1609	179.5841	3	D	9	1117.4305	559.2189
457.2293	229.1183	4	V	8	1002.4036	501.7054
624.2276	312.6175	5	S[167]	7	903.3352	452.1712
695.2648	348.1360	6	A	6	736.3368	368.6720
824.3073	412.6573	7	E	5	665.2997	333.1535
991.3057	496.1565	8	S[167]	4	536.2571	268.6322
1104.3898	552.6985	9	L	3	369.2587	185.1330
1205.4374	603.2224	10	T	2	256.1747	128.5910
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.ELGTANGT$_{181}$GHST$_{181}$PLSK.L/2

0.7776

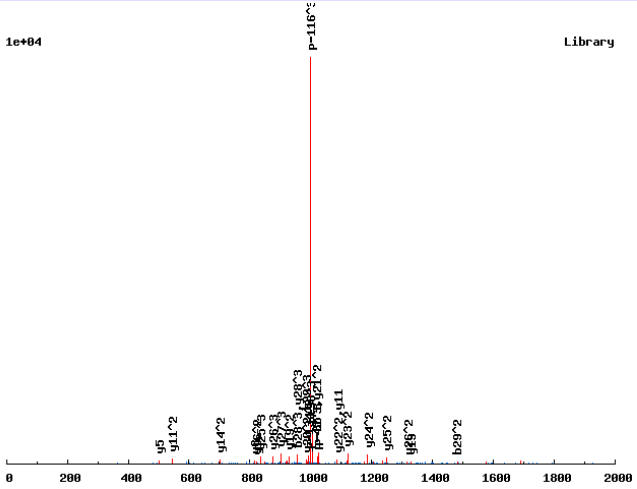


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	16		
243.1339	122.0706	2	L	15	1600.6768	**800.8420**
300.1554	150.5813	3	G	14	1487.5927	**744.3000**
401.2031	201.1052	4	T	13	1430.5713	715.7893
472.2402	236.6237	5	A	12	**1329.5236**	**665.2654**
586.2831	293.6452	6	N	11	**1258.4865**	**629.7469**
643.3046	322.1559	7	G	10	**1144.4435**	572.7254
824.3186	412.6629	8	T[181]	9	**1087.4221**	544.2147
881.3400	441.1737	9	G	8	**906.4081**	**453.7077**
1018.3990	509.7031	10	H	7	**849.3866**	425.1969
1105.4310	553.2191	11	S	6	**712.3277**	356.6675
1286.4450	643.7261	12	T[181]	5	**625.2957**	313.1515
1383.4978	692.2525	13	P	4	**444.2817**	222.6445
1496.5818	748.7945	14	L	3	347.2289	174.1181
1583.6138	792.3106	15	S	2	234.1448	117.5761
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.ELS$_{167}$AEKEAQADAAAEIAEDAAEAEDAGKPK.T/3

0.9988

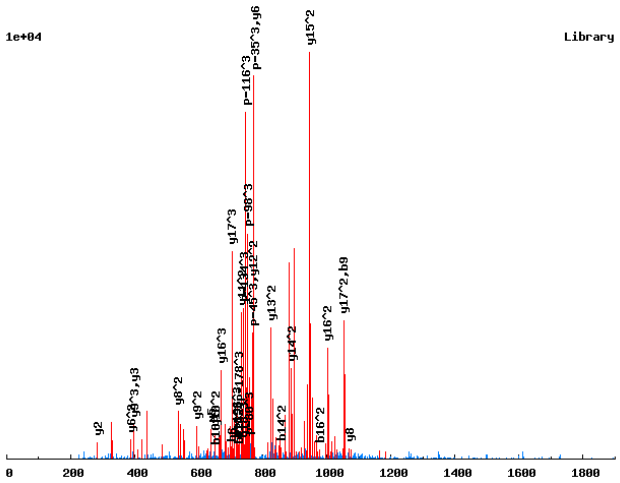


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	30			
243.1339	122.0706	81.7162	2	L	29	2979.3466	1490.1769	993.7870
410.1323	205.5698	137.3823	3	S[167]	28	2866.2625	1433.6349	**956.0924**
481.1694	241.0883	161.0613	4	A	27	2699.2641	1350.1357	**900.4262**
610.2120	305.6096	204.0755	5	E	26	2628.2270	**1314.6172**	**876.7472**
738.3070	369.6571	246.7738	6	K	25	2499.1844	**1250.0959**	**833.7330**
867.3495	434.1784	289.7880	7	E	24	2371.0895	**1186.0484**	791.0347
938.3867	469.6970	313.4671	8	A	23	2242.0469	**1121.5271**	748.0205
1066.4452	533.7263	356.1533	9	Q	22	2171.0098	**1086.0085**	724.3414
1137.4823	569.2448	379.8323	10	A	21	2042.9512	**1021.9792**	681.6553
1252.5093	626.7583	418.1746	11	D	20	1971.9141	**986.4607**	657.9762
1323.5464	662.2768	441.8537	12	A	19	1856.8872	**928.9472**	619.6339
1394.5835	697.7954	465.5327	13	A	18	1785.8500	893.4287	595.9549
1465.6206	733.3139	489.2117	14	A	17	1714.8129	857.9101	572.2758
1594.6632	797.8352	532.2259	15	E	16	1643.7758	**822.3916**	548.5968
1707.7473	854.3773	569.9206	16	I	15	1514.7332	757.8703	505.5826
1778.7844	889.8958	593.5996	17	A	14	1401.6492	**701.3282**	467.8879
1907.8270	954.4171	636.6138	18	E	13	**1330.6121**	665.8097	444.2089
2022.8539	1011.9306	674.9562	19	D	12	1201.5695	601.2884	401.1947
2093.8910	1047.4491	698.6352	20	A	11	**1086.5425**	**543.7749**	362.8524
2164.9281	1082.9677	722.3142	21	A	10	1015.5054	508.2564	339.1733
2293.9707	1147.4890	765.3284	22	E	9	944.4683	472.7378	315.4943
2365.0078	1183.0076	789.0075	23	A	8	**815.4257**	408.2165	272.4801
2494.0504	1247.5288	832.0217	24	E	7	744.3886	372.6980	248.8011
2609.0774	1305.0423	870.3640	25	D	6	615.3460	308.1767	205.7869
2680.1145	1340.5609	894.0430	26	A	5	**500.3191**	250.6632	167.4445
2737.1359	1369.0716	913.0502	27	G	4	429.2820	215.1446	143.7655
2865.2309	1433.1191	**955.7485**	28	K	3	372.2605	186.6339	124.7584
2962.2836	**1481.6455**	**988.0994**	29	P	2	244.1656	122.5864	82.0600
			30	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ELTLDENAS$_{167}$LDS$_{167}$EK$_{136}$QLNPR$_{166}$.I/3

0.9775

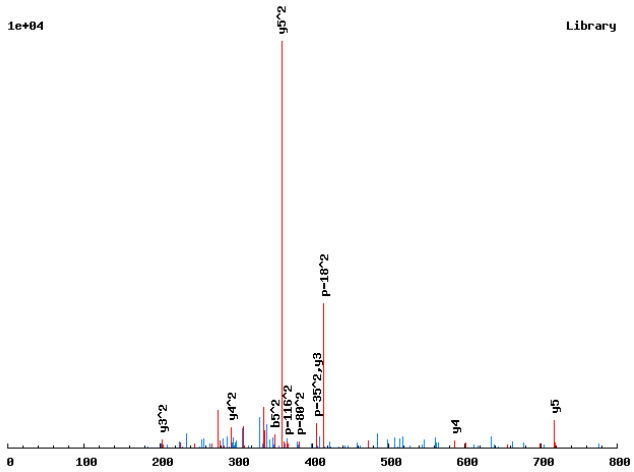


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	19			
243.1339	122.0706	81.7162	2	L	18	2220.9904	1110.9988	**741.0016**
344.1816	172.5944	115.3987	3	T	17	2107.9063	**1054.4568**	**703.3070**
457.2657	229.1365	153.0934	4	L	16	2006.8586	**1003.9330**	**669.6244**
572.2926	286.6499	191.4357	5	D	15	1893.7746	**947.3909**	631.9297
701.3352	351.1712	234.4499	6	E	14	1778.7477	**889.8775**	593.5874
815.3781	408.1927	272.4642	7	N	13	1649.7051	**825.3562**	550.5732
886.4152	443.7113	296.1433	8	A	12	1535.6621	**768.3347**	512.5589
1053.4136	527.2104	351.8094	9	S[167]	11	1464.6250	**732.8161**	488.8799
1166.4977	583.7525	389.5041	10	L	10	1297.6267	**649.3170**	433.2137
1281.5246	641.2659	427.8464	11	D	9	1184.5426	**592.7749**	**395.5191**
1448.5230	**724.7651**	483.5125	12	S[167]	8	**1069.5157**	**535.2615**	357.1767
1577.5656	789.2864	526.5267	13	E	7	902.5173	451.7623	301.5106
1713.6747	**857.3410**	571.8964	14	K[136]	6	**773.4747**	**387.2410**	258.4964
1841.7333	921.3703	614.5826	15	Q	5	**637.3655**	319.1864	213.1267
1954.8174	**977.9123**	**652.2773**	16	L	4	509.3070	255.1571	170.4405
2068.8603	1034.9338	690.2916	17	N	3	**396.2229**	198.6151	132.7458
2165.9130	1083.4602	**722.6425**	18	P	2	**282.1800**	141.5936	94.7315
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.EMT$_{181}$EEK.G/2

0.6831

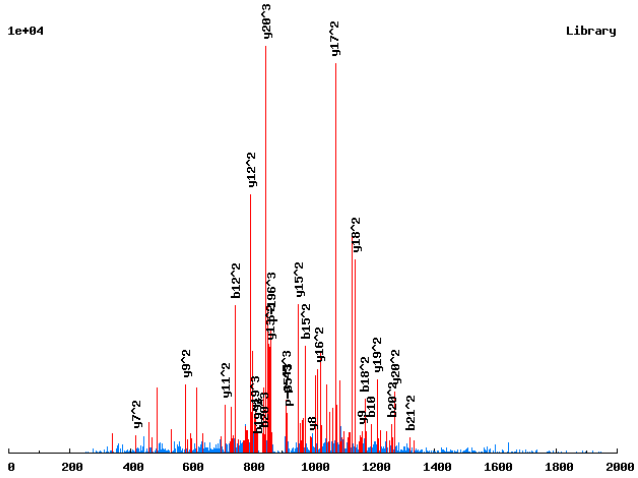


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	6		
261.0904	131.0488	2	M	5	717.2525	359.1299
442.1044	221.5558	3	T[181]	4	586.2120	293.6096
571.1470	286.0771	4	E	3	405.1980	203.1026
700.1896	350.5984	5	E	2	276.1554	138.5813
		6	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ENDFEDELAES$_{167}$MQS$_{167}$YNRETADK.L/3

0.9713

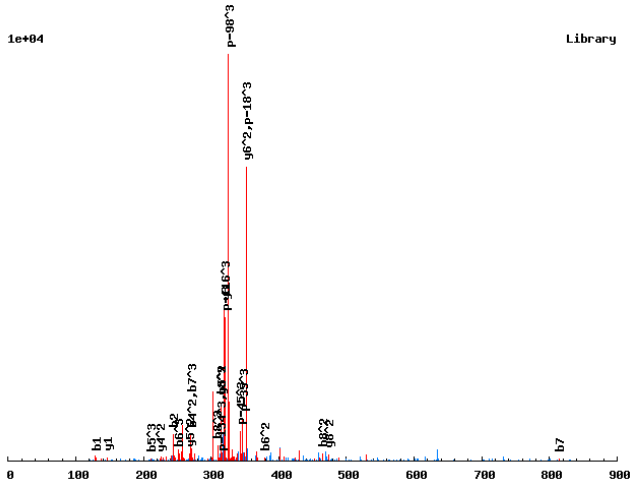


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	22			
244.0928	122.5500	82.0358	2	N	21	2651.9844	1326.4959	884.6663
359.1197	180.0635	120.3781	3	D	20	2537.9415	**1269.4744**	**846.6520**
506.1881	253.5977	169.4009	4	F	19	2422.9146	**1211.9609**	**808.3097**
635.2307	318.1190	212.4151	5	E	18	2275.8462	**1138.4267**	759.2869
750.2577	375.6325	250.7574	6	D	17	2146.8036	**1073.9054**	716.2727
879.3003	440.1538	293.7716	7	E	16	2031.7766	**1016.3920**	677.9304
992.3843	496.6958	331.4663	8	L	15	1902.7340	**951.8707**	634.9162
1063.4214	532.2144	355.1453	9	A	14	1789.6500	895.3286	597.2215
1192.4640	596.7357	398.1595	10	E	13	1718.6129	**859.8101**	573.5425
1359.4624	680.2348	453.8257	11	S[167]	12	1589.5703	**795.2888**	530.5283
1490.5029	**745.7551**	497.5058	12	M	11	1422.5719	**711.7896**	474.8622
1618.5615	809.7844	540.1920	13	Q	10	1291.5314	646.2694	431.1820
1785.5598	893.2836	595.8581	14	S[167]	9	**1163.4729**	**582.2401**	388.4958
1948.6232	**974.8152**	650.2126	15	Y	8	**996.4745**	498.7409	332.8297
2062.6661	1031.8367	688.2269	16	N	7	833.4112	**417.2092**	278.4752
2218.7672	1109.8872	740.2606	17	R	6	719.3682	360.1878	240.4609
2347.8098	**1174.4085**	783.2748	18	E	5	563.2671	282.1372	188.4272
2448.8575	1224.9324	**816.9573**	19	T	4	434.2245	217.6159	145.4130
2519.8946	**1260.4509**	**840.6364**	20	A	3	333.1768	167.0921	111.7305
2634.9215	**1317.9644**	878.9787	21	D	2	262.1397	131.5735	88.0514
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.ENES$_{167}$SEGDK.G/3

0.9058

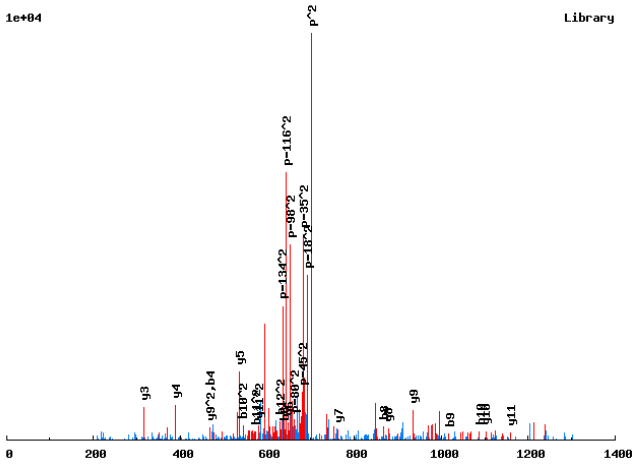


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	**1**	**E**	**9**			
244.0928	122.5500	82.0358	**2**	**N**	**8**	945.3197	**473.1635**	**315.7781**
373.1354	187.0713	125.0500	**3**	**E**	**7**	831.2768	416.1420	277.7638
540.1338	**270.5705**	180.7161	**4**	**S[167]**	**6**	702.2342	**351.6207**	234.7496
627.1658	**314.0865**	**209.7268**	**5**	**S**	**5**	535.2358	**268.1216**	179.0835
756.2084	**378.6078**	**252.7410**	**6**	**E**	**4**	448.2038	**224.6055**	150.0728
813.2298	407.1186	**271.7481**	**7**	**G**	**3**	**319.1612**	160.0842	107.0586
928.2568	**464.6320**	**310.0904**	**8**	**D**	**2**	262.1397	131.5735	88.0514
			9	**K**	**1**	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.ENGS$_{167}$GDDLFAGLK.K/2

0.9591

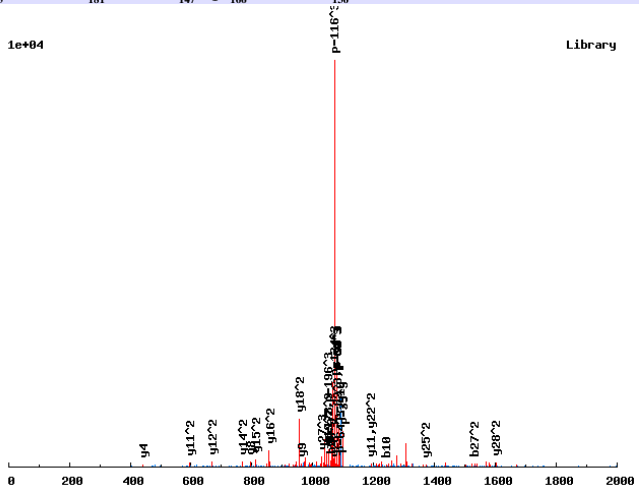


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	13		
244.0928	122.5500	2	N	12	1273.5460	637.2766
301.1143	151.0608	3	G	11	**1159.5031**	**580.2552**
468.1126	234.5600	4	S[167]	10	**1102.4816**	551.7444
525.1341	263.0707	5	G	9	**935.4832**	**468.2453**
640.1610	320.5842	6	D	8	**878.4618**	439.7345
755.1880	378.0976	7	D	7	**763.4348**	382.2211
868.2720	434.6397	8	L	6	**648.4079**	324.7076
1015.3404	508.1739	9	F	5	**535.3238**	268.1656
1086.3775	**543.6924**	10	A	4	**388.2554**	194.6314
1143.3990	**572.2031**	11	G	3	**317.2183**	159.1128
1256.4831	**628.7452**	12	L	2	260.1969	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.ENY$_{243}$TFESHPGT$_{181}$PVSSSLM$_{147}$TQR$_{166}$PGAESSLK$_{136}$.S/3

0.9992

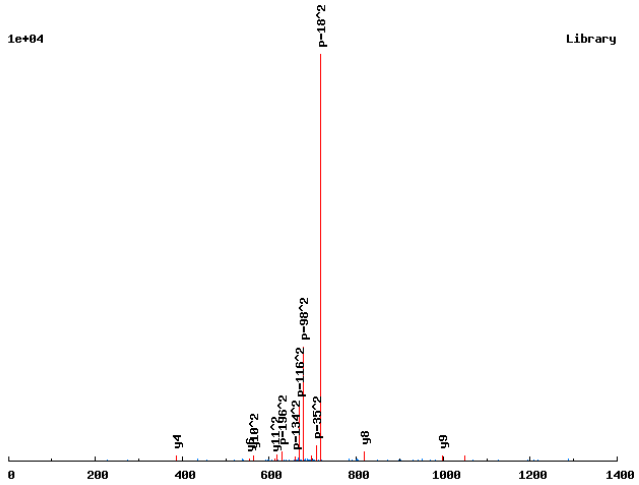


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	29			
244.0928	122.5500	82.0358	2	N	28	3202.3918	**1601.6996**	**1068.1355**
487.1225	244.0649	163.0457	3	Y[243]	27	3088.3489	1544.6781	**1030.1212**
588.1701	294.5887	196.7282	4	T	26	2845.3192	1423.1633	949.1113
735.2386	368.1229	245.7510	5	F	25	2744.2716	**1372.6394**	915.4287
864.2811	432.6442	288.7652	6	E	24	2597.2032	1299.1052	866.4059
951.3132	476.1602	317.7759	7	S	23	2468.1606	1234.5839	823.3917
1088.3721	544.6897	363.4622	8	H	22	2381.1285	**1191.0679**	794.3810
1185.4248	593.2161	395.8131	9	P	21	2244.0696	1122.5385	748.6947
1242.4463	621.7268	414.8203	10	G	20	2147.0169	**1074.0121**	716.3438
1423.4603	712.2338	475.1583	11	T[181]	19	2089.9954	**1045.5013**	697.3367
1520.5131	760.7602	507.5092	12	P	18	1908.9814	**954.9943**	636.9987
1619.5815	810.2944	540.5320	13	V	17	1811.9286	906.4680	604.6477
1706.6135	853.8104	569.5427	14	S	16	1712.8602	**856.9338**	571.6249
1793.6455	897.3264	598.5534	15	S	15	1625.8282	**813.4177**	542.6143
1880.6776	940.8424	627.5640	16	S	14	1538.7962	**769.9017**	513.6036
1993.7616	997.3845	665.2587	17	L	13	1451.7641	726.3857	484.5929
2140.7970	1070.9022	714.2705	18	M[147]	12	1338.6801	**669.8437**	446.8982
2241.8447	1121.4260	747.9531	19	T	11	**1191.6447**	**596.3260**	397.8864
2369.9033	1185.4553	790.6393	20	Q	10	**1090.5970**	545.8021	364.2039
2536.0127	1268.5100	846.0091	21	R[166]	9	**962.5384**	481.7728	321.5177
2633.0654	1317.0364	878.3600	22	P	8	**796.4290**	398.7182	266.1479
2690.0869	1345.5471	897.3672	23	G	7	699.3763	350.1918	233.7969
2761.1240	1381.0656	921.0462	24	A	6	642.3548	321.6810	214.7898
2890.1666	1445.5869	964.0604	25	E	5	571.3177	286.1625	191.1108
2977.1986	1489.1030	993.0711	26	S	4	**442.2751**	221.6412	148.0966
3064.2307	**1532.6190**	1022.0817	27	S	3	355.2431	178.1252	119.0859
3177.3147	1589.1610	**1059.7764**	28	L	2	268.2111	134.6092	90.0752
			29	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.EPVKT$_{181}$PS$_{167}$PAPAAK.I/2

0.8669

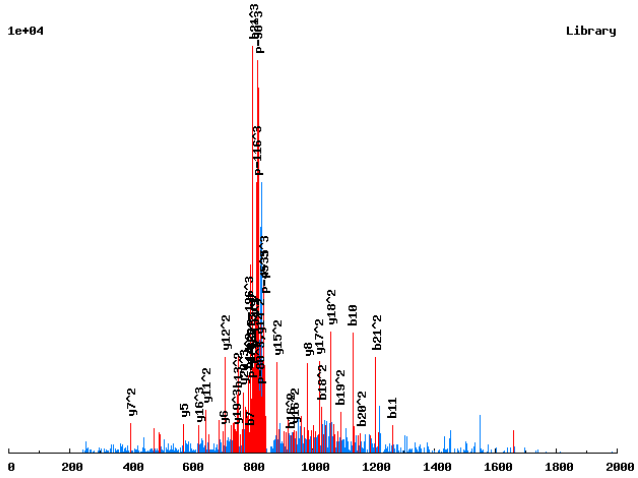


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	13		
227.1026	114.0550	2	P	12	1323.6109	662.3091
326.1710	163.5892	3	V	11	1226.5582	**613.7827**
454.2660	227.6366	4	K	10	1127.4897	**564.2485**
635.2800	318.1436	5	T[181]	9	**999.3948**	500.2010
732.3328	366.6700	6	P	8	**818.3808**	409.6940
899.3311	450.1692	7	S[167]	7	721.3280	361.1676
996.3839	498.6956	8	P	6	**554.3297**	277.6685
1067.4210	534.2141	9	A	5	457.2769	229.1421
1164.4738	582.7405	10	P	4	**386.2398**	193.6235
1235.5109	618.2591	11	A	3	289.1870	145.0971
1306.5480	653.7776	12	A	2	218.1499	109.5786
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.E$_{111}$QAEAS$_{167}$IDNLKNEAT$_{181}$PEAEQVK.K/3

0.9293

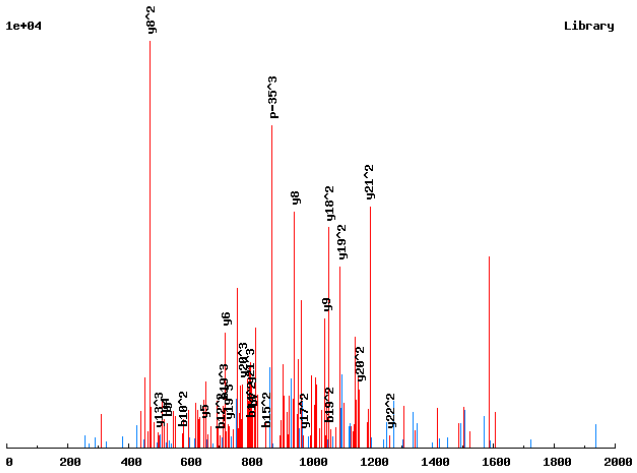


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	E[111]	22			
240.0979	120.5526	80.7041	2	Q	21	2445.0582	1223.0327	815.6909
311.1350	156.0711	104.3832	3	A	20	2316.9996	1159.0034	**773.0047**
440.1776	220.5924	147.3974	4	E	19	2245.9625	1123.4849	**749.3257**
511.2147	256.1110	171.0764	5	A	18	2116.9199	**1058.9636**	706.3115
678.2131	339.6102	226.7425	6	S[167]	17	2045.8828	**1023.4450**	682.6325
791.2971	396.1522	264.4372	7	I	16	1878.8844	**939.9459**	**626.9663**
906.3241	453.6657	302.7795	8	D	15	1765.8004	**883.4038**	589.2716
1020.3670	510.6871	340.7938	9	N	14	1650.7734	**825.8904**	550.9293
1133.4510	567.2292	378.4885	10	L	13	1536.7305	768.8689	512.9150
1261.5460	631.2766	421.1869	11	K	12	1423.6464	**712.3269**	475.2203
1375.5889	688.2981	459.2012	12	N	11	1295.5515	**648.2794**	432.5220
1504.6315	**752.8194**	502.2154	13	E	10	1181.5086	591.2579	394.5077
1575.6686	**788.3380**	525.8944	14	A	9	1052.4660	526.7366	351.4935
1756.6826	878.8450	586.2324	15	T[181]	8	**981.4289**	491.2181	327.8145
1853.7354	**927.3713**	618.5833	16	P	7	**800.4148**	**400.7111**	267.4765
1982.7780	991.8926	661.5975	17	E	6	**703.3621**	352.1847	235.1255
2053.8151	**1027.4112**	685.2766	18	A	5	**574.3195**	287.6634	192.1114
2182.8577	**1091.9325**	728.2908	19	E	4	503.2824	252.1448	168.4323
2310.9163	**1155.9618**	770.9769	20	Q	3	374.2398	187.6235	125.4181
2409.9847	**1205.4960**	**803.9997**	21	V	2	246.1812	123.5942	82.7319
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.EQAEAS$_{167}$IDNLK$_{136}$NEATPEAEQVK$_{136}$K$_{136}$.E/3

0.8563

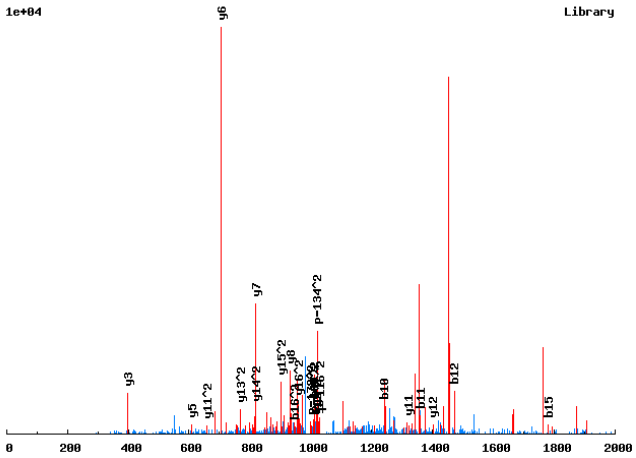


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	23			
258.1085	129.5579	86.7077	2	Q	22	2517.2294	**1259.1183**	839.7480
329.1456	165.0764	110.3867	3	A	21	2389.1708	**1195.0891**	**797.0618**
458.1882	229.5977	153.4009	4	E	20	2318.1337	**1159.5705**	**773.3828**
529.2253	265.1163	177.0799	5	A	19	2189.0911	**1095.0492**	**730.3686**
696.2236	348.6155	232.7461	6	S[167]	18	2118.0540	**1059.5306**	706.6895
809.3077	405.1575	270.4407	7	I	17	1951.0557	**976.0315**	651.0234
924.3346	462.6710	308.7831	8	D	16	1837.9716	919.4894	613.3287
1038.3776	519.6924	346.7974	9	N	15	1722.9447	861.9760	574.9864
1151.4616	**576.2344**	384.4921	10	L	14	1608.9017	804.9545	536.9721
1287.5708	644.2890	429.8618	11	K[136]	13	1495.8177	748.4125	**499.2774**
1401.6137	**701.3105**	467.8761	12	N	12	1359.7085	680.3579	453.9077
1530.6563	765.8318	510.8903	13	E	11	1245.6656	623.3364	415.8934
1601.6934	**801.3503**	534.5693	14	A	10	1116.6230	558.8151	372.8792
1702.7411	**851.8742**	568.2519	15	T	9	**1045.5859**	523.2966	349.2001
1799.7938	900.4006	600.6028	16	P	8	**944.5382**	**472.7727**	315.5176
1928.8364	964.9219	643.6170	17	E	7	847.4854	424.2464	283.1667
1999.8735	1000.4404	667.2960	18	A	6	**718.4428**	359.7251	240.1525
2128.9161	**1064.9617**	**710.3102**	19	E	5	**647.4057**	324.2065	216.4734
2256.9747	1128.9910	752.9964	20	Q	4	**518.3631**	259.6852	173.4592
2356.0431	1178.5252	786.0192	21	V	3	390.3046	195.6559	130.7730
2492.1523	1246.5798	831.3889	22	K[136]	2	291.2362	146.1217	97.7502
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.EQDS$_{167}$PHSES$_{167}$SDLPPILEK$_{136}$.E/2

0.971

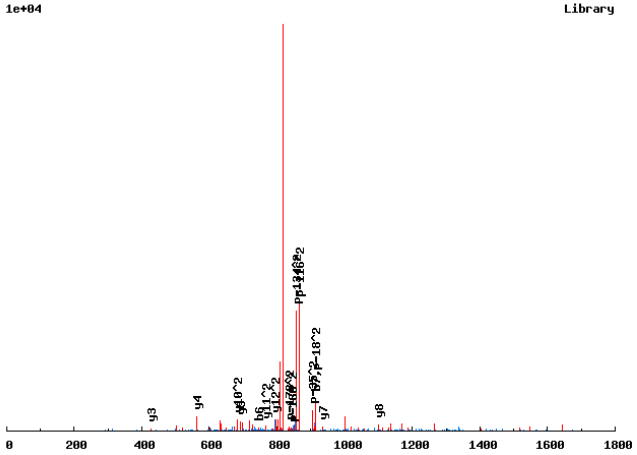


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	18		
258.1085	129.5579	2	Q	17	2046.8548	**1023.9310**
373.1354	187.0713	3	D	16	1918.7962	**959.9017**
540.1338	270.5705	4	S[167]	15	1803.7693	**902.3883**
637.1865	319.0969	5	P	14	1636.7709	**818.8891**
774.2454	387.6264	6	H	13	1539.7181	**770.3627**
861.2775	431.1424	7	S	12	**1402.6592**	701.8333
990.3200	495.6637	8	E	11	**1315.6272**	**658.3172**
1157.3184	579.1628	9	S[167]	10	1186.5846	593.7959
1244.3504	622.6789	10	S	9	**1019.5863**	510.2968
1359.3774	680.1923	11	D	8	**932.5542**	466.7808
1472.4614	736.7344	12	L	7	**817.5273**	409.2673
1569.5142	785.2607	13	P	6	**704.4432**	352.7253
1666.5670	833.7871	14	P	5	**607.3905**	304.1989
1779.6510	890.3291	15	I	4	510.3377	255.6725
1892.7351	**946.8712**	16	L	3	**397.2536**	199.1305
2021.7777	**1011.3925**	17	E	2	284.1696	142.5884
		18	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.EQGS$_{167}$HQS$_{167}$LQEHLQR$_{166}$.E/2

0.9391

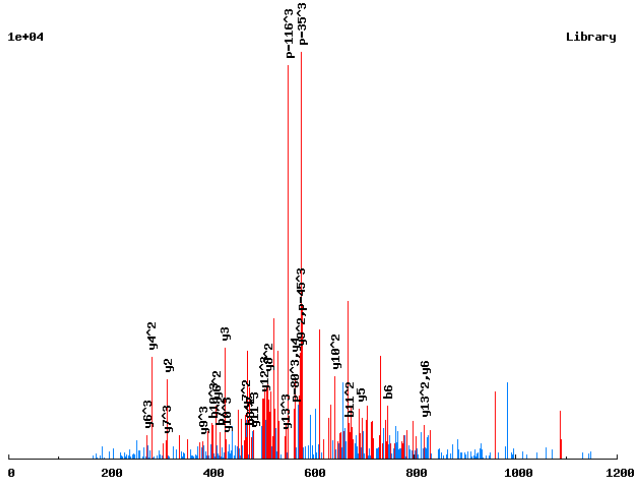


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	14		
258.1085	129.5579	2	Q	13	1717.7083	859.3578
315.1299	158.0686	3	G	12	1589.6497	**795.3285**
482.1283	241.5678	4	S[167]	11	1532.6282	**766.8177**
619.1872	310.0972	5	H	10	1365.6298	**683.3186**
747.2458	374.1265	6	Q	9	1228.5709	614.7891
914.2441	457.6257	7	S[167]	8	**1100.5124**	550.7598
1027.3282	514.1677	8	L	7	**933.5140**	467.2606
1155.3868	578.1970	9	Q	6	820.4299	410.7186
1284.4294	642.7183	10	E	5	**692.3714**	346.6893
1421.4883	711.2478	11	H	4	**563.3288**	282.1680
1534.5723	767.7898	12	L	3	**426.2699**	213.6386
1662.6309	831.8191	13	Q	2	313.1858	157.0965
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.EQGS$_{167}$HQSLQEHLQR$_{166}$.E/3

0.6885

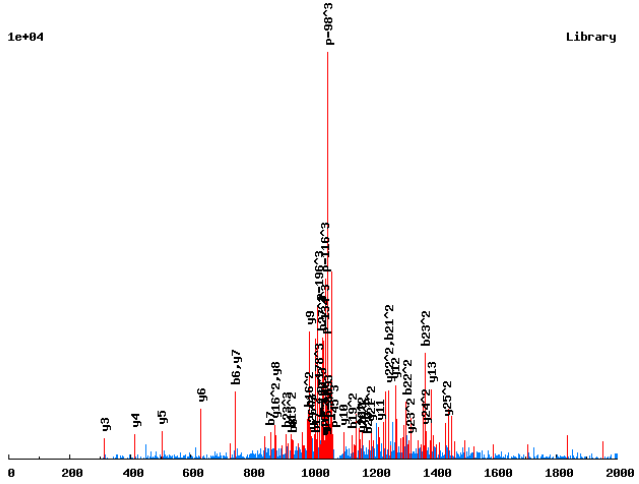


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	14			
258.1085	129.5579	86.7077	2	Q	13	1637.7419	**819.3746**	**546.5855**
315.1299	158.0686	105.7148	3	G	12	1509.6833	755.3453	**503.8993**
482.1283	241.5678	161.3809	4	S[167]	11	1452.6619	726.8346	**484.8921**
619.1872	310.0972	207.0672	5	H	10	1285.6635	**643.3354**	**429.2260**
747.2458	374.1265	249.7534	6	Q	9	1148.6046	**574.8059**	**383.5397**
834.2778	**417.6425**	278.7641	7	S	8	1020.5460	**510.7767**	340.8535
947.3619	**474.1846**	316.4588	8	L	7	933.5140	**467.2606**	**311.8429**
1075.4204	538.2139	359.1450	9	Q	6	**820.4299**	**410.7186**	**274.1482**
1204.4630	602.7352	**402.1592**	10	E	5	**692.3714**	346.6893	231.4620
1341.5219	**671.2646**	447.8455	11	H	4	**563.3288**	**282.1680**	188.4478
1454.6060	727.8066	485.5402	12	L	3	**426.2699**	213.6386	142.7615
1582.6646	791.8359	528.2264	13	Q	2	**313.1858**	157.0965	105.0668
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.EQLKDMDADDS$_{167}$S$_{167}$DDEDGDLNELESTPAK.I/3

0.9998

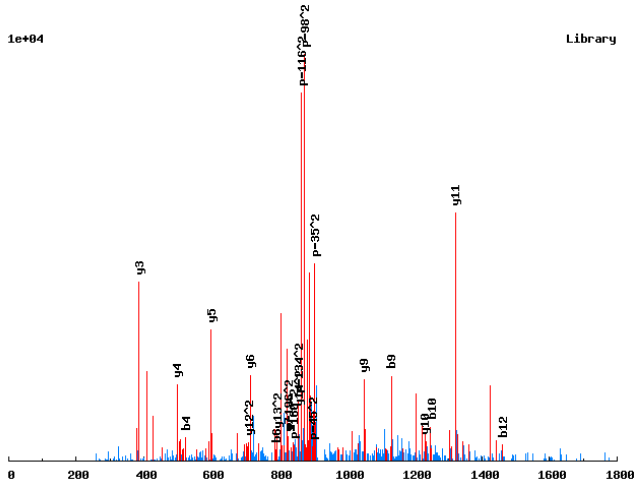


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	28			
258.1085	129.5579	86.7077	2	Q	27	3113.1701	1557.0887	**1038.3949**
371.1925	186.0999	124.4024	3	L	26	2985.1115	1493.0594	**995.7087**
499.2875	250.1474	167.1007	4	K	25	2872.0275	**1436.5174**	958.0140
614.3144	307.6608	205.4430	5	D	24	2743.9325	**1372.4699**	915.3157
745.3549	373.1811	249.1232	6	M	23	2628.9056	**1314.9564**	876.9734
860.3818	430.6946	287.4655	7	D	22	2497.8651	**1249.4362**	833.2932
931.4189	466.2131	311.1445	8	A	21	2382.8381	**1191.9227**	794.9509
1046.4459	523.7266	349.4868	9	D	20	2311.8010	**1156.4042**	771.2719
1161.4728	581.2401	387.8291	10	D	19	2196.7741	1098.8907	732.9295
1328.4712	664.7392	443.4953	11	S[167]	18	2081.7471	**1041.3772**	694.5872
1495.4696	748.2384	499.1614	12	S[167]	17	1914.7488	957.8780	638.9211
1610.4965	805.7519	537.5037	13	D	16	1747.7504	**874.3788**	583.2550
1725.5234	863.2654	575.8460	14	D	15	1632.7235	816.8654	544.9127
1854.5660	**927.7867**	618.8602	15	E	14	1517.6965	759.3519	506.5704
1969.5930	**985.3001**	657.2025	16	D	13	**1388.6539**	694.8306	463.5562
2026.6144	**1013.8109**	676.2097	17	G	12	**1273.6270**	637.3171	425.2139
2141.6414	1071.3243	714.5520	18	D	11	**1216.6055**	608.8064	406.2067
2254.7254	**1127.8664**	752.2467	19	L	10	**1101.5786**	551.2929	367.8644
2368.7684	**1184.8878**	790.2610	20	N	9	**988.4946**	494.7509	330.1697
2497.8109	**1249.4091**	833.2752	21	E	8	**874.4516**	437.7295	292.1554
2610.8950	**1305.9511**	870.9699	22	L	7	**745.4090**	373.2082	249.1412
2739.9376	**1370.4724**	**913.9841**	23	E	6	**632.3250**	316.6661	211.4465
2826.9696	1413.9885	942.9947	24	S	5	**503.2824**	252.1448	168.4323
2928.0173	1464.5123	976.6773	25	T	4	**416.2503**	208.6288	139.4216
3025.0701	1513.0387	1009.0282	26	P	3	**315.2027**	158.1050	105.7391
3096.1072	1548.5572	**1032.7072**	27	A	2	218.1499	109.5786	73.3882
			28	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.EQS$_{167}$VST$_{181}$EPLDTLPLR.K/2

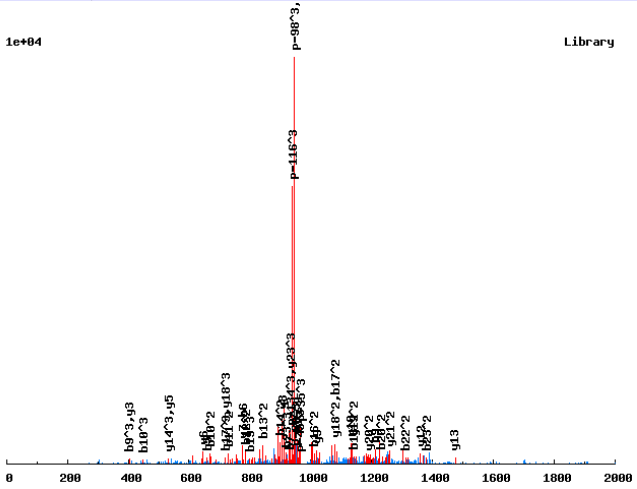
0.6872



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	15		
258.1085	129.5579	2	Q	14	1715.7653	**858.3863**
425.1068	213.0570	3	S[167]	13	1587.7067	**794.3570**
524.1752	262.5913	4	V	12	1420.7083	**710.8578**
611.2073	306.1073	5	S	11	**1321.6399**	661.3236
792.2213	396.6143	6	T[181]	10	**1234.6079**	617.8076
921.2639	461.1356	7	E	9	**1053.5939**	527.3006
1018.3166	509.6619	8	P	8	924.5513	462.7793
1131.4007	566.2040	9	L	7	**827.4985**	414.2529
1246.4276	623.7174	10	D	6	**714.4145**	357.7109
1347.4753	674.2413	11	T	5	**599.3875**	300.1974
1460.5594	730.7833	12	L	4	**498.3398**	249.6736
1557.6121	779.3097	13	P	3	**385.2558**	193.1315
1670.6962	835.8517	14	L	2	288.2030	144.6051
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

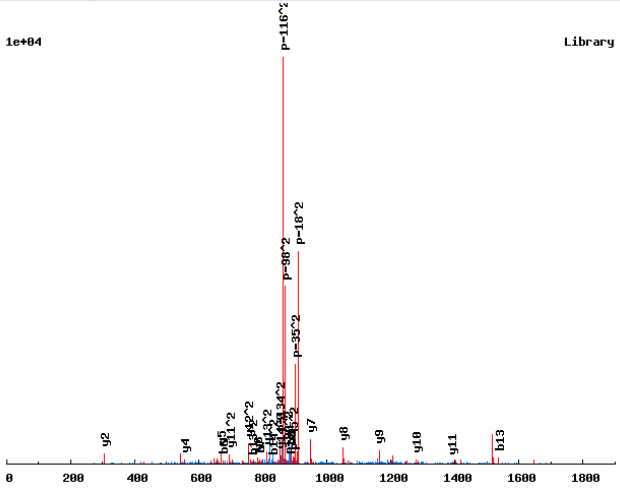
R.EREEDDRLS$_{167}$EDDLDLLMENAGVER.T/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	24			
286.1510	143.5791	96.0552	2	R	23	2799.2138	1400.1106	**933.7428**
415.1936	208.1004	139.0694	3	E	22	2643.1127	1322.0600	881.7091
544.2362	272.6217	182.0836	4	E	21	2514.0701	**1257.5387**	838.6949
659.2631	330.1352	220.4259	5	D	20	2385.0275	**1193.0174**	795.6807
774.2900	387.6487	258.7682	6	D	19	2270.0006	**1135.5039**	757.3384
930.3911	465.6992	310.8019	7	R	18	2154.9737	**1077.9905**	**718.9961**
1043.4752	522.2412	348.4966	8	L	17	1998.8725	999.9399	666.9624
1210.4736	605.7404	**404.1627**	9	S[167]	16	1885.7885	**943.3979**	629.2677
1339.5162	**670.2617**	**447.1769**	10	E	15	1718.7901	859.8987	573.6016
1454.5431	**727.7752**	485.5192	11	D	14	1589.7475	795.3774	**530.5874**
1569.5700	**785.2887**	523.8615	12	D	13	**1474.7206**	737.8639	492.2451
1682.6541	**841.8307**	561.5562	13	L	12	**1359.6937**	680.3505	453.9027
1797.6810	**899.3442**	599.8985	14	D	11	1246.6096	623.8084	416.2081
1910.7651	**955.8862**	637.5932	15	L	10	**1131.5827**	566.2950	377.8657
2023.8492	**1012.4282**	675.2879	16	L	9	**1018.4986**	509.7529	340.1711
2154.8897	**1077.9485**	**718.9681**	17	M	8	**905.4145**	453.2109	302.4764
2283.9322	**1142.4698**	761.9823	18	E	7	**774.3740**	387.6907	258.7962
2397.9752	1199.4912	**799.9966**	19	N	6	**645.3315**	323.1694	215.7820
2469.0123	**1235.0098**	823.6756	20	A	5	**531.2885**	266.1479	177.7677
2526.0337	1263.5205	842.6828	21	G	4	460.2514	230.6293	154.0887
2625.1022	**1313.0547**	875.7056	22	V	3	**403.2299**	202.1186	135.0815
2754.1447	**1377.5760**	**918.7198**	23	E	2	304.1615	152.5844	102.0587
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.ESDDLDDVS$_{167}$LNHDER.R/2

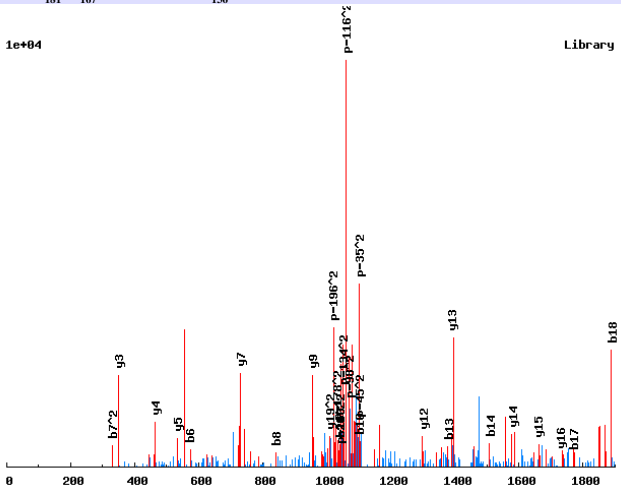


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	15		
217.0819	109.0446	2	S	14	1709.6650	**855.3361**
332.1088	166.5581	3	D	13	1622.6330	**811.8201**
447.1358	224.0715	4	D	12	1507.6060	**754.3067**
560.2198	280.6136	5	L	11	**1392.5791**	**696.7932**
675.2468	338.1270	6	D	10	**1279.4950**	640.2512
790.2737	395.6405	7	D	9	**1164.4681**	582.7377
889.3421	445.1747	8	V	8	**1049.4412**	525.2242
1056.3405	528.6739	9	S[167]	7	**950.3727**	475.6900
1169.4246	585.2159	10	L	6	**783.3744**	392.1908
1283.4675	642.2374	11	N	5	**670.2903**	335.6488
1420.5264	710.7668	12	H	4	**556.2474**	278.6273
1535.5533	**768.2803**	13	D	3	419.1885	210.0979
1664.5959	**832.8016**	14	E	2	**304.1615**	152.5844
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.ESGNNAST$_{181}$PS$_{167}$SSPEPVANPPK$_{136}$.M/2

0.998

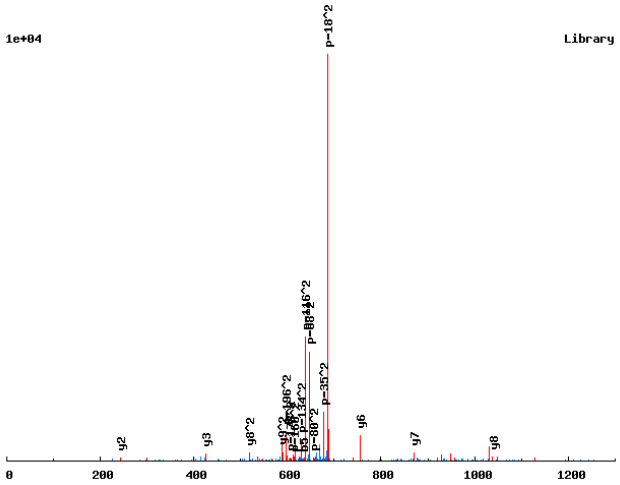


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	21		
217.0819	109.0446	2	S	20	2105.8668	1053.4370
274.1034	137.5553	3	G	19	2018.8347	**1009.9210**
388.1463	194.5768	4	N	18	1961.8133	981.4103
502.1892	251.5982	5	N	17	1847.7703	924.3888
573.2263	287.1168	6	A	16	**1733.7274**	867.3673
660.2584	**330.6328**	7	S	15	**1662.6903**	831.8488
841.2724	421.1398	8	T[181]	14	**1575.6583**	788.3328
938.3251	469.6662	9	P	13	**1394.6443**	697.8258
1105.3235	553.1654	10	S[167]	12	**1297.5915**	649.2994
1192.3555	596.6814	11	S	11	1130.5931	565.8002
1279.3876	640.1974	12	S	10	1043.5611	522.2842
1376.4403	688.7238	13	P	9	**956.5291**	478.7682
1505.4829	753.2451	14	E	8	859.4763	430.2418
1602.5357	801.7715	15	P	7	**730.4337**	365.7205
1701.6041	851.3057	16	V	6	633.3810	317.1941
1772.6412	886.8242	17	A	5	**534.3126**	267.6599
1886.6841	943.8457	18	N	4	**463.2754**	232.1414
1983.7369	992.3721	19	P	3	**349.2325**	175.1199
2080.7896	**1040.8985**	20	P	2	252.1798	126.5935
		21	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.ESHS$_{167}$NPSFT$_{181}$PK.S/2

0.9325

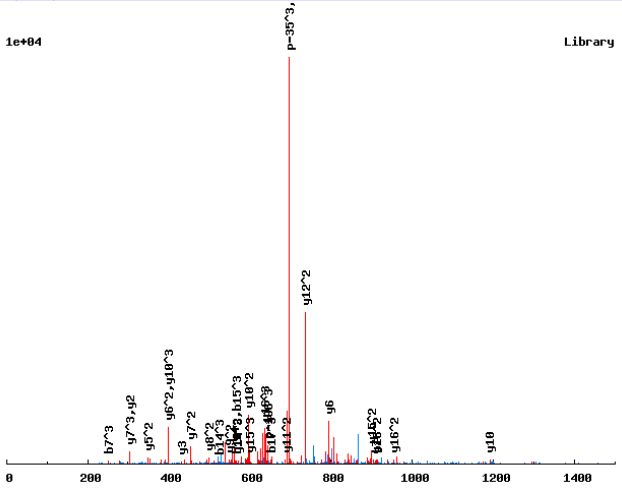


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	11		
217.0819	109.0446	2	S	10	1261.4650	631.2361
354.1408	177.5740	3	H	9	1174.4330	**587.7201**
521.1392	261.0732	4	S[167]	8	**1037.3741**	**519.1907**
635.1821	318.0947	5	N	7	**870.3757**	435.6915
732.2349	366.6211	6	P	6	**756.3328**	378.6700
819.2669	410.1371	7	S	5	659.2800	330.1436
966.3353	483.6713	8	F	4	572.2480	286.6276
1147.3493	574.1783	9	T[181]	3	**425.1796**	213.0934
1244.4021	622.7047	10	P	2	**244.1656**	122.5864
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.ESISGT$_{181}$PT$_{181}$PTSIPHEEQR.Q/3

0.9917

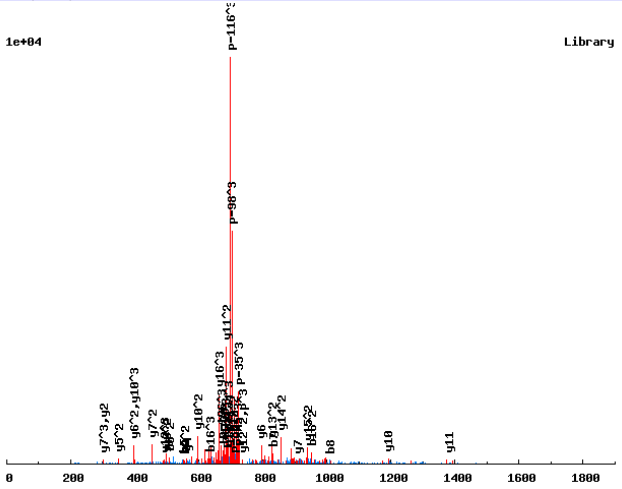


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	18			
217.0819	109.0446	73.0322	2	S	17	1996.8413	998.9243	666.2853
330.1660	165.5866	110.7268	3	I	16	1909.8092	**955.4083**	**637.2746**
417.1980	209.1026	139.7375	4	S	15	1796.7252	**898.8662**	**599.5799**
474.2194	237.6134	158.7447	5	G	14	1709.6932	855.3502	**570.5692**
655.2335	328.1204	219.0827	6	T[181]	13	1652.6717	826.8395	551.5621
752.2862	376.6468	**251.4336**	7	P	12	1471.6577	**736.3325**	491.2241
933.3002	467.1538	311.7716	8	T[181]	11	1374.6049	**687.8061**	458.8732
1030.3530	515.6801	344.1225	9	P	10	**1193.5909**	**597.2991**	**398.5352**
1131.4007	**566.2040**	377.8051	10	T	9	1096.5382	**548.7727**	366.1842
1218.4327	609.7200	406.8158	11	S	8	995.4905	**498.2489**	332.5017
1331.5168	666.2620	444.5104	12	I	7	**908.4584**	**454.7329**	**303.4910**
1428.5695	714.7884	476.8614	13	P	6	**795.3744**	**398.1908**	265.7963
1565.6284	783.3179	**522.5477**	14	H	5	**698.3216**	**349.6645**	233.4454
1694.6710	847.8392	**565.5619**	15	E	4	**561.2627**	281.1350	187.7591
1823.7136	**912.3604**	608.5761	16	E	3	**432.2201**	216.6137	144.7449
1951.7722	976.3897	**651.2623**	17	Q	2	**303.1775**	152.0924	101.7307
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.ESIS$_{167}$GT$_{181}$PT$_{181}$PTSIPHEEQR.Q/3

0.9996

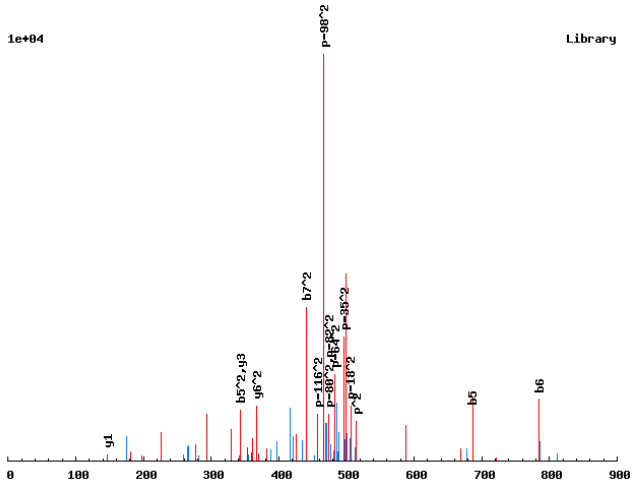


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	18			
217.0819	109.0446	73.0322	2	S	17	2076.8076	1038.9074	**692.9407**
330.1660	165.5866	110.7268	3	I	16	1989.7756	995.3914	**663.9300**
497.1643	249.0858	166.3930	4	S[167]	15	1876.6915	**938.8494**	626.2354
554.1858	277.5965	185.4001	5	G	14	1709.6932	**855.3502**	570.5692
735.1998	368.1035	245.7381	6	T[181]	13	1652.6717	**826.8395**	551.5621
832.2526	416.6299	278.0890	7	P	12	1471.6577	**736.3325**	**491.2241**
1013.2666	**507.1369**	338.4270	8	T[181]	11	**1374.6049**	**687.8061**	458.8732
1110.3193	**555.6633**	370.7780	9	P	10	**1193.5909**	**597.2991**	**398.5352**
1211.3670	606.1871	404.4605	10	T	9	1096.5382	548.7727	366.1842
1298.3990	649.7032	433.4712	11	S	8	995.4905	**498.2489**	332.5017
1411.4831	**706.2452**	471.1659	12	I	7	**908.4584**	**454.7329**	**303.4910**
1508.5359	754.7716	503.5168	13	P	6	**795.3744**	**398.1908**	265.7963
1645.5948	823.3010	549.2031	14	H	5	**698.3216**	**349.6645**	233.4454
1774.6374	887.8223	592.2173	15	E	4	**561.2627**	281.1350	187.7591
1903.6799	**952.3436**	**635.2315**	16	E	3	432.2201	216.6137	144.7449
2031.7385	1016.3729	**677.9177**	17	Q	2	**303.1775**	152.0924	101.7307
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.ES$_{167}$LEM$_{147}$VPK.D/2

0.8941

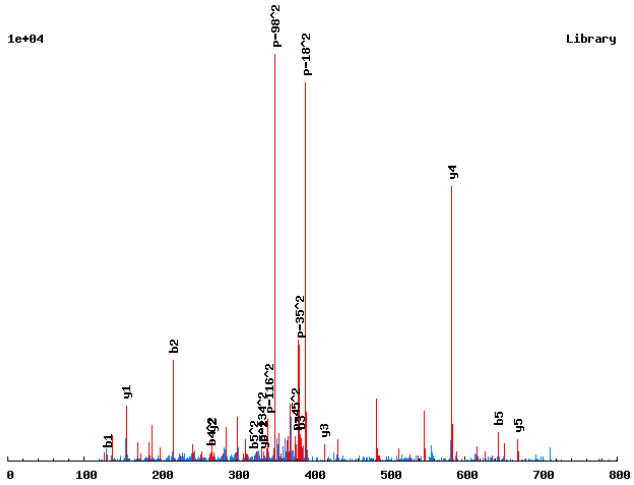


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	8		
297.0482	149.0278	2	S[167]	7	899.3944	450.2008
410.1323	205.5698	3	L	6	732.3960	**366.7017**
539.1749	270.0911	4	E	5	619.3120	310.1596
686.2103	**343.6088**	5	M[147]	4	490.2694	245.6383
785.2787	393.1430	6	V	3	**343.2340**	172.1206
882.3315	**441.6694**	7	P	2	244.1656	122.5864
		8	K	1	**147.1128**	74.0600

Annotated spectra from Saleem et. al. 2009

R.ESS$_{167}$FIK$_{136}$.L/2

0.6628

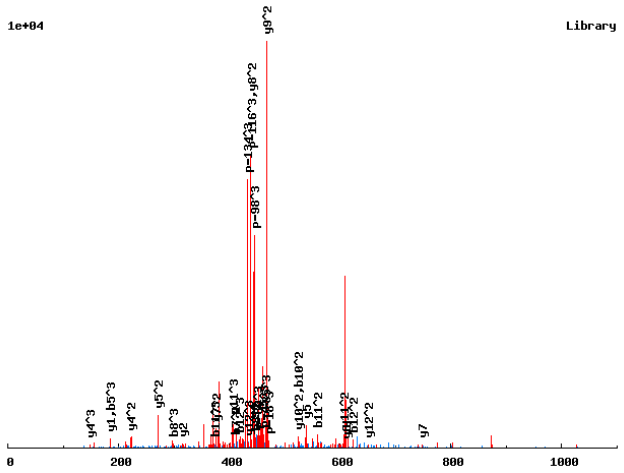


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	6		
217.0819	109.0446	2	S	5	669.3099	335.1586
384.0803	192.5438	3	S[167]	4	582.2778	291.6426
531.1487	266.0780	4	F	3	415.2795	208.1434
644.2327	322.6200	5	I	2	268.2111	134.6092
		6	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.ESS$_{167}$IGEHAPGAER$_{166}$.R/3

0.6002

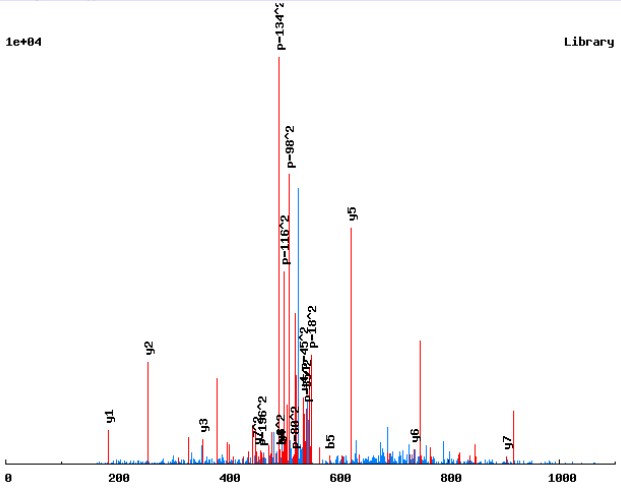


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	13			
217.0819	109.0446	73.0322	2	S	12	1300.5557	**650.7815**	**434.1901**
384.0803	192.5438	128.6983	3	S[167]	11	1213.5236	**607.2655**	**405.1794**
497.1643	249.0858	166.3930	4	I	10	1046.5253	**523.7663**	349.5133
554.1858	277.5965	**185.4001**	5	G	9	933.4412	**467.2242**	311.8186
683.2284	342.1178	228.4143	6	E	8	876.4197	**438.7135**	292.8114
820.2873	**410.6473**	274.1006	7	H	7	**747.3772**	**374.1922**	249.7972
891.3244	**446.1658**	**297.7797**	8	A	6	**610.3182**	305.6628	204.1109
988.3772	494.6922	330.1306	9	P	5	**539.2811**	**270.1442**	180.4319
1045.3986	**523.2029**	349.1377	10	G	4	**442.2284**	**221.6178**	**148.0810**
1116.4357	**558.7215**	**372.8168**	11	A	3	385.2069	193.1071	129.0738
1245.4783	**623.2428**	**415.8310**	12	E	2	**314.1698**	157.5885	105.3948
			13	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.ESS$_{167}$IST$_{181}$VAR$_{166}$.H/2

0.859

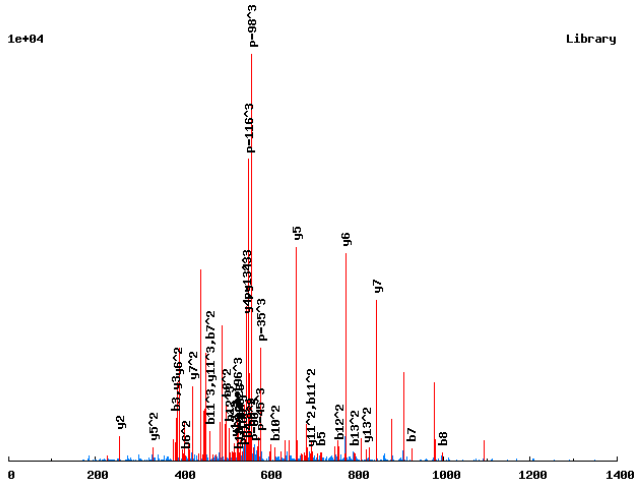


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	9		
217.0819	109.0446	2	S	8	990.3932	**495.7003**
384.0803	192.5438	3	S[167]	7	**903.3612**	**452.1842**
497.1643	249.0858	4	I	6	**736.3628**	368.6851
584.1964	292.6018	5	S	5	**623.2788**	312.1430
765.2104	383.1088	6	T[181]	4	**536.2468**	268.6270
864.2788	432.6430	7	V	3	**355.2327**	178.1200
935.3159	468.1616	8	A	2	**256.1643**	128.5858
		9	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.ESS$_{167}$R$_{166}$S$_{167}$PIALNYEAR$_{166}$Q/3

0.6144

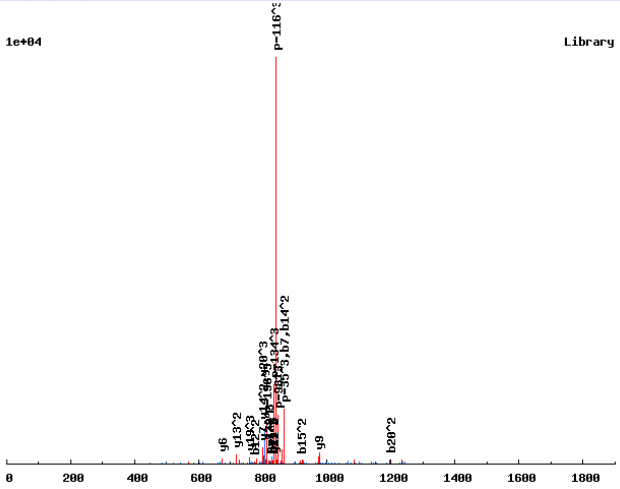


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	14			
217.0819	109.0446	73.0322	2	S	13	1643.7093	**822.3583**	**548.5746**
384.0803	192.5438	128.6983	3	S[167]	12	1556.6773	778.8423	**519.5639**
550.1896	275.5985	184.0681	4	R[166]	11	1389.6789	**695.3431**	**463.8978**
717.1880	359.0976	239.7342	5	S[167]	10	1223.5695	612.2884	408.5280
814.2408	**407.6240**	272.0851	6	P	9	1056.5712	**528.7892**	352.8619
927.3248	**464.1661**	309.7798	7	I	8	959.5184	480.2628	320.5110
998.3619	**499.6846**	333.4588	8	A	7	**846.4343**	**423.7208**	282.8163
1111.4460	**556.2266**	371.1535	9	L	6	**775.3972**	**388.2023**	259.1373
1225.4889	**613.2481**	409.1678	10	N	5	**662.3132**	**331.6602**	221.4426
1388.5523	**694.7798**	**463.5223**	11	Y	4	**548.2702**	274.6388	183.4283
1517.5948	**759.3011**	**506.5365**	12	E	3	**385.2069**	193.1071	129.0738
1588.6320	**794.8196**	**530.2155**	13	A	2	**256.1643**	128.5858	86.0596
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.ETERSPS$_{167}$S$_{167}$S$_{167}$PIHNATKPEEAVK.T/3

0.7542

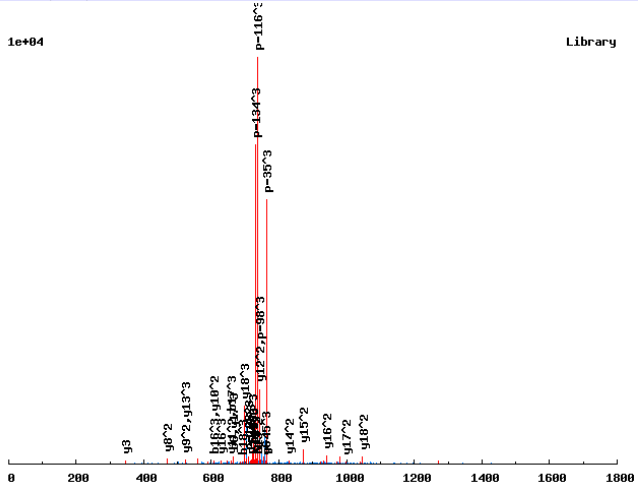


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	22			
231.0975	116.0524	77.7040	2	T	21	2505.0459	1253.0266	**835.6868**
360.1401	180.5737	120.7182	3	E	20	2403.9982	1202.5028	**802.0043**
516.2413	258.6243	172.7519	4	R	19	2274.9557	1137.9815	**758.9901**
603.2733	302.1403	201.7626	5	S	18	2118.8545	1059.9309	706.9564
700.3260	350.6667	234.1135	6	P	17	2031.8225	1016.4149	677.9457
867.3244	434.1658	289.7797	7	S[167]	16	1934.7698	967.8885	645.5948
1034.3228	517.6650	345.4458	8	S[167]	15	1767.7714	884.3893	589.9287
1201.3211	601.1642	401.1119	9	S[167]	14	1600.7730	**800.8902**	534.2625
1298.3739	649.6906	433.4628	10	P	13	1433.7747	**717.3910**	478.5964
1411.4579	706.2326	471.1575	11	I	12	1336.7219	668.8646	446.2455
1548.5169	**774.7621**	516.8438	12	H	11	1223.6378	612.3226	408.5508
1662.5598	**831.7835**	554.8581	13	N	10	1086.5789	543.7931	362.8645
1733.5969	**867.3021**	578.5372	14	A	9	**972.5360**	486.7716	324.8502
1834.6446	**917.8259**	612.2197	15	T	8	901.4989	451.2531	301.1712
1962.7395	981.8734	654.9180	16	K	7	**800.4512**	400.7293	267.4886
2059.7923	1030.3998	687.2690	17	P	6	**672.3563**	336.6818	224.7903
2188.8349	1094.9211	730.2831	18	E	5	575.3035	288.1554	192.4394
2317.8775	1159.4424	773.2973	19	E	4	446.2609	223.6341	149.4252
2388.9146	**1194.9609**	796.9764	20	A	3	317.2183	159.1128	106.4110
2487.9830	1244.4951	**829.9992**	21	V	2	246.1812	123.5942	82.7319
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.ETPLHSSSS$_{167}$TS$_{167}$LSSLFRPTK.L/3

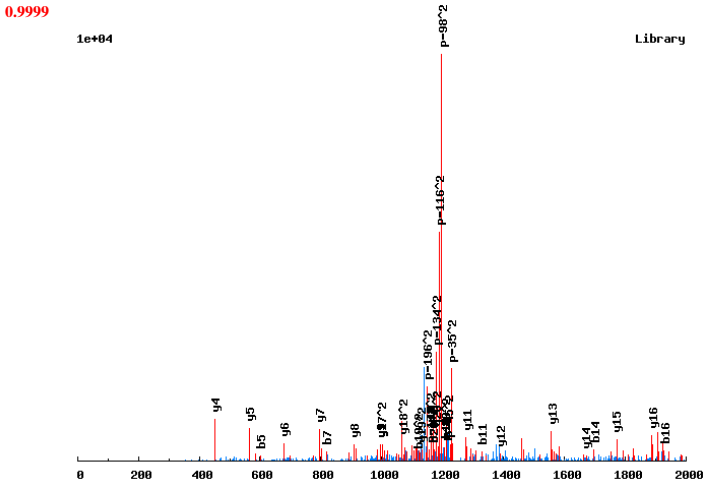
0.9873



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	20			
231.0975	116.0524	77.7040	2	T	19	2192.9988	1097.0031	**731.6711**
328.1503	164.5788	110.0550	3	P	18	2091.9512	**1046.4792**	**697.9886**
441.2344	221.1208	147.7496	4	L	17	1994.8984	**997.9528**	**665.6377**
578.2933	289.6503	193.4359	5	H	16	1881.8143	**941.4108**	**627.9430**
665.3253	333.1663	222.4466	6	S	15	1744.7554	**872.8814**	582.2567
752.3573	376.6823	251.4573	7	S	14	1657.7234	**829.3653**	553.2460
839.3894	420.1983	280.4680	8	S	13	1570.6914	785.8493	**524.2353**
1006.3877	503.6975	336.1341	9	S[167]	12	1483.6593	**742.3333**	495.2246
1107.4354	554.2213	369.8167	10	T	11	1316.6610	**658.8341**	439.5585
1274.4338	637.7205	425.4828	11	S[167]	10	1215.6133	**608.3103**	405.8760
1387.5178	694.2626	463.1775	12	L	9	1048.6149	**524.8111**	350.2098
1474.5499	**737.7786**	492.1881	13	S	8	935.5309	**468.2691**	312.5151
1561.5819	781.2946	521.1988	14	S	7	848.4989	424.7531	283.5045
1674.6660	837.8366	558.8935	15	L	6	**761.4668**	381.2371	254.4938
1821.7344	911.3708	**607.9163**	16	F	5	648.3828	324.6950	216.7991
1977.8355	989.4214	**659.9500**	17	R	4	501.3143	251.1608	167.7763
2074.8882	1037.9478	**692.3009**	18	P	3	**345.2132**	173.1103	115.7426
2175.9359	1088.4716	**725.9835**	19	T	2	248.1605	124.5839	83.3917
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ETQEDDTNS$_{167}$IDS$_{167}$SDDLDGFVK.I/2

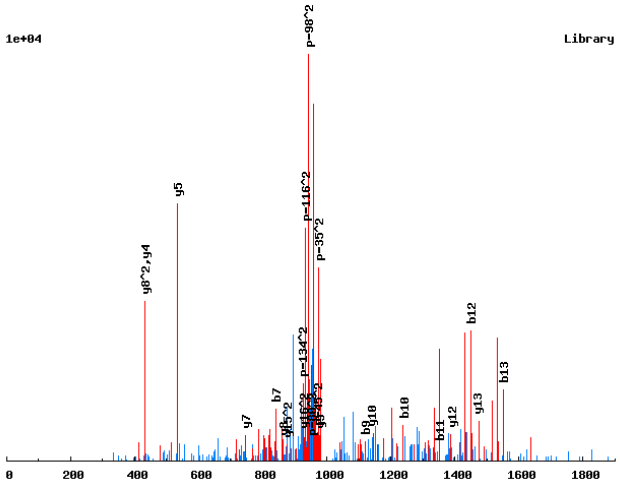


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	21		
231.0975	116.0524	2	T	20	2360.8691	**1180.9382**
359.1561	180.0817	3	Q	19	2259.8214	**1130.4143**
488.1987	244.6030	4	E	18	2131.7628	**1066.3850**
603.2257	302.1165	5	D	17	2002.7202	**1001.8637**
718.2526	359.6299	6	D	16	**1887.6933**	944.3503
819.3003	410.1538	7	T	15	**1772.6663**	886.8368
933.3432	467.1752	8	N	14	**1671.6186**	836.3130
1100.3416	550.6744	9	S[167]	13	**1557.5757**	779.2915
1213.4256	607.2165	10	I	12	**1390.5774**	695.7923
1328.4526	664.7299	11	D	11	**1277.4933**	639.2503
1495.4509	748.2291	12	S[167]	10	**1162.4664**	581.7368
1582.4830	791.7451	13	S	9	**995.4680**	498.2376
1697.5099	849.2586	14	D	8	**908.4360**	454.7216
1812.5368	906.7721	15	D	7	**793.4090**	397.2082
1925.6209	963.3141	16	L	6	**678.3821**	339.6947
2040.6478	1020.8276	17	D	5	**565.2980**	283.1527
2097.6693	1049.3383	18	G	4	**450.2711**	225.6392
2244.7377	**1122.8725**	19	F	3	393.2496	197.1284
2343.8061	**1172.4067**	20	V	2	246.1812	123.5942
		21	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ETYDSNES$_{167}$DDDVTPSTK.V/2

0.9982

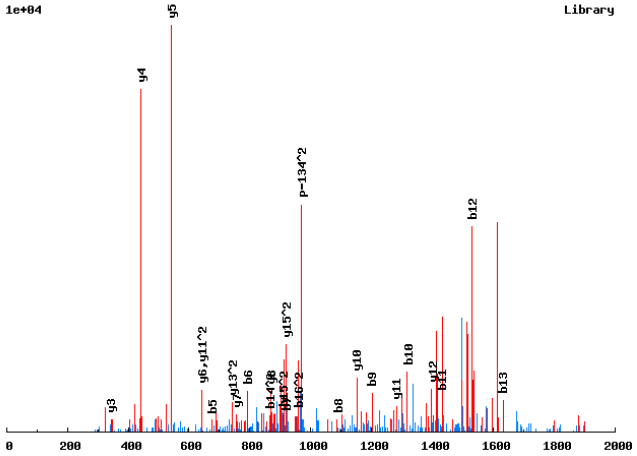


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	17		
231.0975	116.0524	2	T	16	1853.6960	**927.3517**
394.1609	197.5841	3	Y	15	1752.6484	**876.8278**
509.1878	255.0975	4	D	14	1589.5850	795.2962
596.2198	298.6136	5	S	13	**1474.5581**	737.7827
710.2628	355.6350	6	N	12	**1387.5261**	694.2667
839.3054	420.1563	7	E	11	1273.4831	637.2452
1006.3037	503.6555	8	S[167]	10	**1144.4405**	572.7239
1121.3307	561.1690	9	D	9	**977.4422**	489.2247
1236.3576	618.6824	10	D	8	**862.4152**	**431.7113**
1351.3846	676.1959	11	D	7	**747.3883**	374.1978
1450.4530	725.7301	12	V	6	632.3614	316.6843
1551.5006	776.2540	13	T	5	**533.2930**	267.1501
1648.5534	824.7803	14	P	4	**432.2453**	216.6263
1735.5854	868.2964	15	S	3	335.1925	168.0999
1836.6331	918.8202	16	T	2	248.1605	124.5839
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ETY$_{243}$DSNES$_{167}$DDDVTPSTK$_{136}$.V/2

0.9989

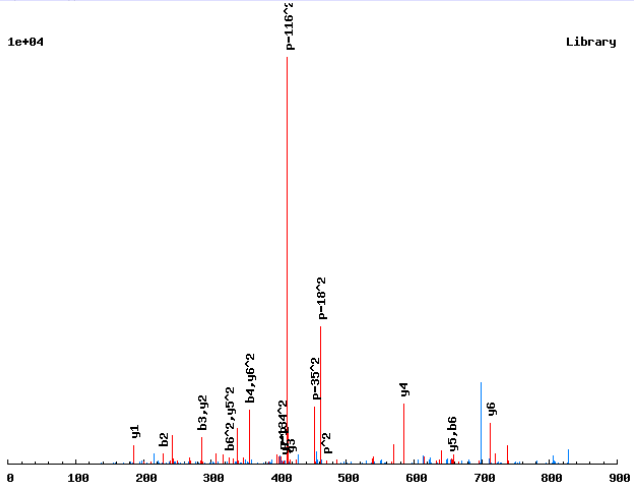


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	17		
231.0975	116.0524	2	T	16	1941.6766	971.3419
474.1272	237.5672	3	Y[243]	15	1840.6289	**920.8181**
589.1542	295.0807	4	D	14	1597.5992	799.3033
676.1862	338.5967	5	S	13	1482.5723	**741.7898**
790.2291	395.6182	6	N	12	**1395.5403**	698.2738
919.2717	460.1395	7	E	11	**1281.4973**	**641.2523**
1086.2701	543.6387	8	S[167]	10	**1152.4547**	576.7310
1201.2970	601.1521	9	D	9	985.4564	493.2318
1316.3239	658.6656	10	D	8	**870.4294**	435.7184
1431.3509	716.1791	11	D	7	**755.4025**	378.2049
1530.4193	765.7133	12	V	6	**640.3756**	320.6914
1631.4670	816.2371	13	T	5	**541.3071**	271.1572
1728.5197	**864.7635**	14	P	4	**440.2595**	220.6334
1815.5518	**908.2795**	15	S	3	**343.2067**	172.1070
1916.5994	**958.8034**	16	T	2	256.1747	128.5910
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.EVGAS$_{167}$MTR$_{166}$.S/2

0.8601

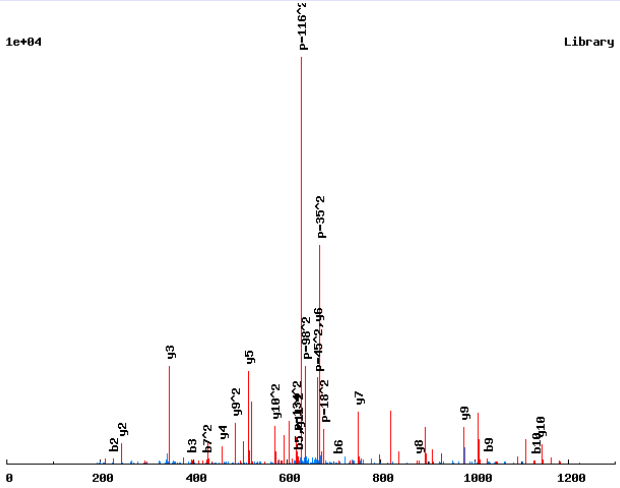


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	8		
229.1183	115.0628	2	V	7	811.3407	**406.1740**
286.1397	143.5735	3	G	6	**712.2723**	**356.6398**
357.1768	179.0921	4	A	5	**655.2509**	**328.1291**
524.1752	262.5912	5	S[167]	4	**584.2138**	292.6105
655.2157	**328.1115**	6	M	3	**417.2154**	209.1113
756.2634	378.6353	7	T	2	**286.1749**	143.5911
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.EVS$_{167}$PESFGLTAR.E/2

0.9999

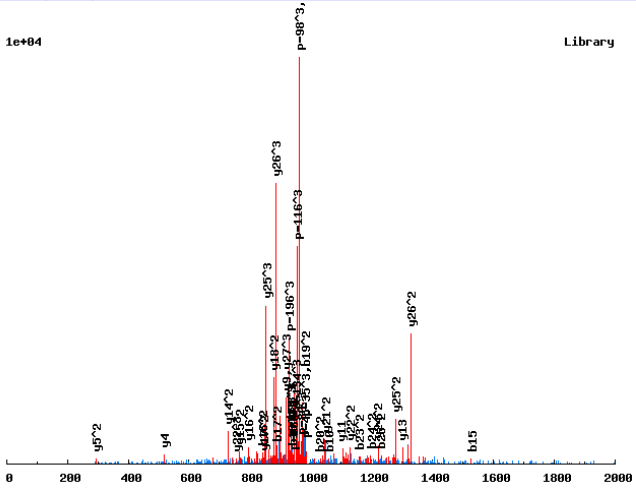


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	12		
229.1183	115.0628	2	V	11	1243.5718	**622.2896**
396.1166	198.5620	3	S[167]	10	**1144.5034**	**572.7553**
493.1694	247.0883	4	P	9	**977.5051**	**489.2562**
622.2120	311.6096	5	E	8	**880.4523**	440.7298
709.2440	355.1257	6	S	7	**751.4097**	376.2085
856.3124	**428.6599**	7	F	6	**664.3777**	332.6925
913.3339	457.1706	8	G	5	**517.3093**	259.1583
1026.4180	513.7126	9	L	4	**460.2878**	230.6475
1127.4656	564.2365	10	T	3	**347.2037**	174.1055
1198.5027	599.7550	11	A	2	**246.1561**	123.5817
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.EVVPNNAS$_{167}$PAS$_{167}$ATGARPVSVSNGAANTER.E/3

0.9964

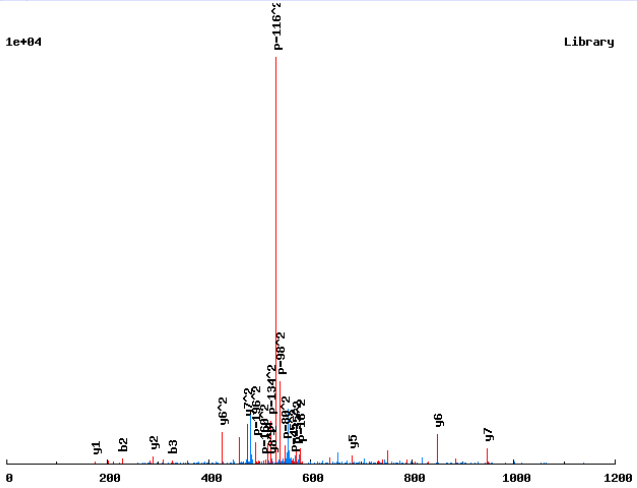


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	29			
229.1183	115.0628	77.0443	2	V	28	2854.2880	1427.6476	952.1009
328.1867	164.5970	110.0671	3	V	27	2755.2196	1378.1134	**919.0781**
425.2394	213.1234	142.4180	4	P	26	2656.1512	**1328.5792**	**886.0553**
539.2824	270.1448	180.4323	5	N	25	2559.0984	**1280.0529**	**853.7043**
653.3253	327.1663	218.4466	6	N	24	2445.0555	**1223.0314**	815.6900
724.3624	362.6848	242.1257	7	A	23	2331.0126	1166.0099	777.6757
891.3608	446.1840	297.7918	8	S[167]	22	2259.9755	**1130.4914**	**753.9967**
988.4135	494.7104	330.1427	9	P	21	2092.9771	**1046.9922**	698.3306
1059.4507	530.2290	353.8217	10	A	20	1995.9243	998.4658	665.9796
1226.4490	613.7281	409.4879	11	S[167]	19	1924.8872	**962.9473**	642.3006
1297.4861	649.2467	433.1669	12	A	18	1757.8889	**879.4481**	586.6345
1398.5338	699.7705	466.8495	13	T	17	1686.8518	**843.9295**	562.9554
1455.5553	728.2813	485.8566	14	G	16	1585.8041	**793.4057**	529.2729
1526.5924	763.7998	509.5356	15	A	15	1528.7826	**764.8949**	510.2657
1682.6935	**841.8504**	561.5693	16	R	14	1457.7455	**729.3764**	486.5867
1779.7462	**890.3768**	593.9203	17	P	13	**1301.6444**	651.3258	434.5530
1878.8147	**939.9110**	626.9431	18	V	12	1204.5916	602.7995	402.2021
1965.8467	**983.4270**	655.9537	19	S	11	**1105.5232**	553.2653	369.1793
2064.9151	**1032.9612**	688.9766	20	V	10	1018.4912	509.7492	340.1686
2151.9471	1076.4772	717.9872	21	S	9	**919.4228**	460.2150	307.1458
2265.9901	1133.4987	756.0015	22	N	8	832.3908	416.6990	278.1351
2323.0115	**1162.0094**	775.0087	23	G	7	718.3478	359.6776	240.1208
2394.0486	**1197.5280**	798.6877	24	A	6	661.3264	331.1668	221.1136
2465.0857	**1233.0465**	822.3668	25	A	5	590.2893	**295.6483**	197.4346
2579.1287	1290.0680	860.3811	26	N	4	**519.2522**	260.1297	173.7556
2680.1763	1340.5918	894.0636	27	T	3	405.2092	203.1082	135.7413
2809.2189	1405.1131	**937.0778**	28	E	2	304.1615	152.5844	102.0587
			29	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.EVVS$_{167}$S$_{167}$PENR.E/2

0.8926

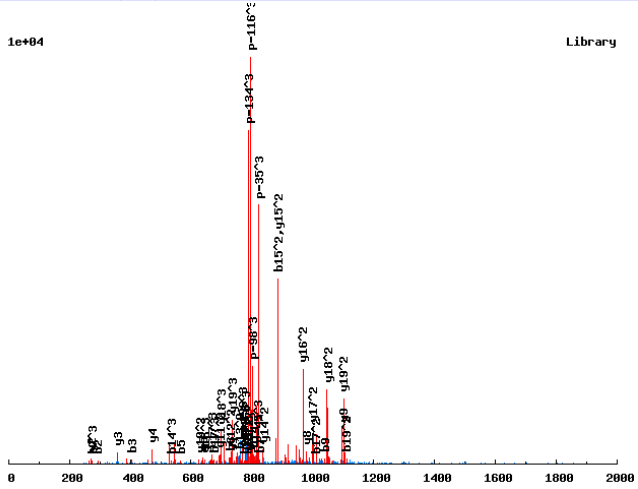


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	9		
229.1183	115.0628	2	V	8	1047.3908	**524.1990**
328.1867	164.5970	3	V	7	**948.3224**	**474.6648**
495.1851	248.0962	4	S[167]	6	**849.2540**	**425.1306**
662.1834	331.5953	5	S[167]	5	**682.2556**	341.6314
759.2362	380.1217	6	P	4	**515.2572**	258.1323
888.2788	444.6430	7	E	3	418.2045	209.6059
1002.3217	501.6645	8	N	2	**289.1619**	145.0846
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.EYLSAYPTLAHRDSS$_{167}$SS$_{167}$LSPR.G/3

0.9261

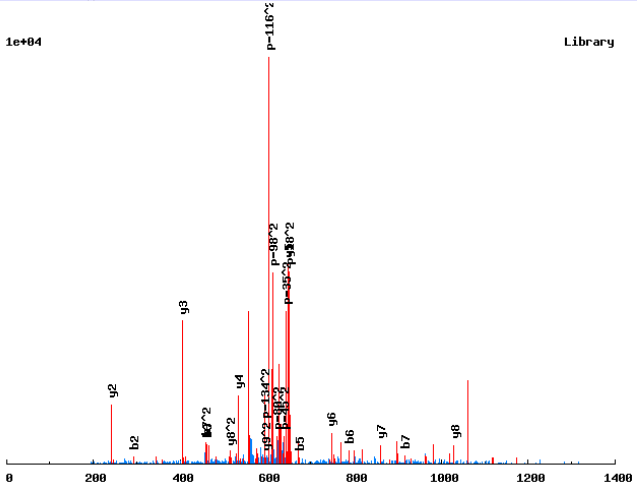


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	21			
293.1132	147.0602	98.3759	2	Y	20	2368.0370	1184.5221	**790.0172**
406.1973	203.6023	136.0706	3	L	19	2204.9737	**1102.9905**	**735.6627**
493.2293	247.1183	165.0813	4	S	18	2091.8896	**1046.4485**	**697.9681**
564.2664	282.6368	188.7603	5	A	17	2004.8576	**1002.9324**	**668.9574**
727.3297	364.1685	243.1148	6	Y	16	1933.8205	**967.4139**	**645.2783**
824.3825	412.6949	**275.4657**	7	P	15	1770.7572	**885.8822**	590.9239
925.4302	463.2187	309.1482	8	T	14	1673.7044	**837.3558**	558.5730
1038.5142	519.7608	346.8429	9	L	13	1572.6567	**786.8320**	524.8904
1109.5513	555.2793	370.5220	10	A	12	1459.5727	**730.2900**	487.1957
1246.6103	623.8088	416.2083	11	H	11	1388.5355	**694.7714**	463.5167
1402.7114	701.8593	468.2420	12	R	10	1251.4766	**626.2420**	417.8304
1517.7383	**759.3728**	506.5843	13	D	9	**1095.3755**	548.1914	365.7967
1604.7703	**802.8888**	**535.5950**	14	S	8	**980.3486**	490.6779	327.4544
1771.7687	**886.3880**	591.2611	15	S[167]	7	893.3166	447.1619	298.4437
1858.8007	929.9040	620.2718	16	S	6	**726.3182**	363.6627	242.7776
2025.7991	**1013.4032**	**675.9379**	17	S[167]	5	**639.2862**	320.1467	213.7669
2138.8831	1069.9452	713.6326	18	L	4	**472.2878**	236.6475	158.1008
2225.9152	**1113.4612**	742.6432	19	S	3	**359.2037**	180.1055	120.4061
2322.9679	1161.9876	**774.9942**	20	P	2	**272.1717**	136.5895	91.3954
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.EYS$_{167}$NVDQYGR$_{166}$.R/2

0.9996

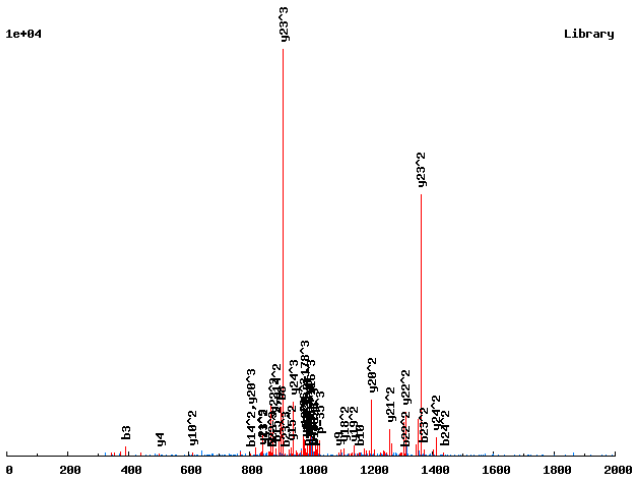


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
130.0499	65.5286	1	E	10		
293.1132	147.0602	2	Y	9	1191.4706	**596.2389**
460.1116	230.5594	3	S[167]	8	**1028.4072**	**514.7073**
574.1545	287.5809	4	N	7	**861.4089**	431.2081
673.2229	337.1151	5	V	6	**747.3659**	374.1866
788.2498	394.6286	6	D	5	**648.2975**	324.6524
916.3084	**458.6579**	7	Q	4	**533.2706**	267.1389
1079.3718	540.1895	8	Y	3	**405.2120**	203.1096
1136.3932	568.7002	9	G	2	**242.1487**	121.5780
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.EYVPLDNAEQSTSS$_{167}$S$_{167}$QETKETEEEPK.K/3

0.7155

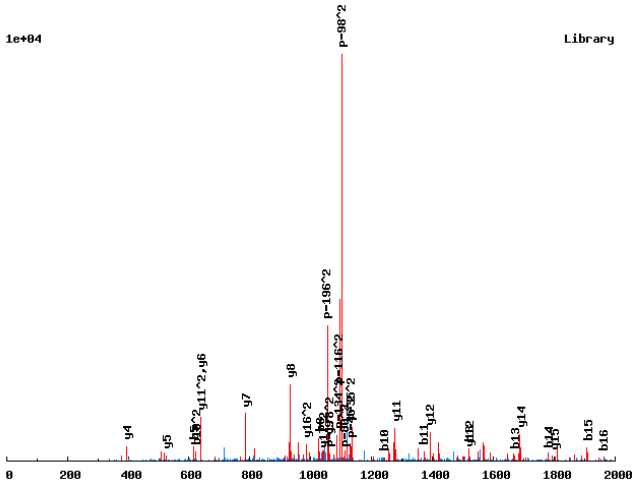


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
130.0499	65.5286	44.0215	1	E	26			
293.1132	147.0602	98.3759	2	Y	25	2986.2126	1493.6099	**996.0757**
392.1816	196.5944	131.3987	3	V	24	2823.1493	**1412.0783**	**941.7213**
489.2344	245.1208	163.7496	4	P	23	2724.0808	**1362.5441**	**908.6985**
602.3184	301.6629	201.4443	5	L	22	2627.0281	**1314.0177**	**876.3475**
717.3454	359.1763	239.7866	6	D	21	2513.9440	**1257.4757**	**838.6529**
831.3883	416.1978	277.8010	7	N	20	2398.9171	**1199.9622**	**800.3105**
902.4254	451.7163	301.4800	8	A	19	2284.8742	**1142.9407**	762.2962
1031.4680	516.2376	344.4942	9	E	18	2213.8370	**1107.4222**	738.6172
1159.5266	580.2669	387.1804	10	Q	17	2084.7945	1042.9009	695.6030
1246.5586	623.7829	416.1911	11	S	16	1956.7359	**978.8716**	652.9168
1347.6063	674.3068	449.8736	12	T	15	1869.7038	**935.3556**	623.9061
1434.6383	717.8228	478.8843	13	S	14	1768.6562	**884.8317**	590.2236
1601.6367	**801.3220**	534.5504	14	S[167]	13	1681.6241	**841.3157**	561.2129
1768.6350	**884.8212**	590.2165	15	S[167]	12	1514.6258	757.8165	505.5468
1896.6936	948.8505	632.9027	16	Q	11	1347.6274	674.3173	449.8807
2025.7362	**1013.3717**	675.9169	17	E	10	1219.5688	**610.2881**	407.1945
2126.7839	1063.8956	709.5995	18	T	9	**1090.5262**	545.7668	364.1803
2254.8789	1127.9431	752.2978	19	K	8	**989.4786**	495.2429	330.4977
2383.9214	1192.4644	795.3120	20	E	7	**861.3836**	431.1954	287.7994
2484.9691	1242.9882	828.9946	21	T	6	732.3410	366.6741	244.7852
2614.0117	**1307.5095**	**872.0088**	22	E	5	631.2933	316.1503	211.1026
2743.0543	**1372.0308**	**915.0230**	23	E	4	**502.2507**	251.6290	168.0884
2872.0969	**1436.5521**	958.0372	24	E	3	373.2081	187.1077	125.0742
2969.1497	1485.0785	**990.3881**	25	P	2	244.1656	122.5864	82.0600
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.FADS$_{167}$DS$_{167}$EDESQFFNQGPSK$_{136}$.Y/2

1

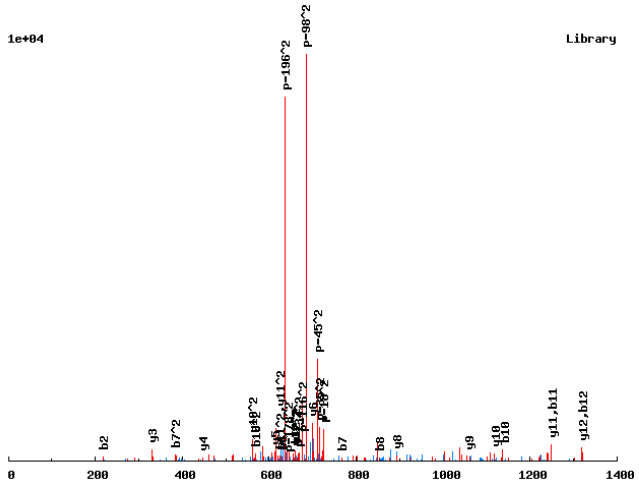


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	19		
219.1128	110.0600	2	A	18	2155.7620	1078.3847
334.1397	167.5735	3	D	17	2084.7249	**1042.8661**
501.1381	251.0727	4	S[167]	16	1969.6980	**985.3526**
616.1650	308.5862	5	D	15	**1802.6996**	901.8534
783.1634	392.0853	6	S[167]	14	**1687.6727**	844.3400
912.2060	456.6066	7	E	13	**1520.6743**	760.8408
1027.2329	514.1201	8	D	12	**1391.6317**	696.3195
1156.2755	578.6414	9	E	11	**1276.6048**	**638.8060**
1243.3076	**622.1574**	10	S	10	1147.5622	574.2847
1371.3661	686.1867	11	Q	9	**1060.5302**	530.7687
1518.4345	759.7209	12	F	8	**932.4716**	466.7394
1665.5030	833.2551	13	F	7	**785.4032**	393.2052
1779.5459	890.2766	14	N	6	**638.3348**	319.6710
1907.6045	954.3059	15	Q	5	**524.2918**	262.6496
1964.6259	982.8166	16	G	4	**396.2332**	198.6203
2061.6787	1031.3430	17	P	3	339.2118	170.1095
2148.7107	1074.8590	18	S	2	242.1590	121.5832
		19	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.FAEGS$_{167}$GHSS$_{167}$DLAK.S/2

0.7335

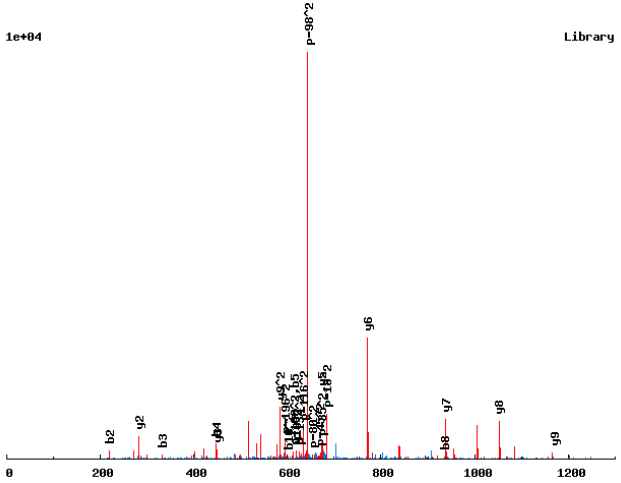


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	13		
219.1128	110.0600	2	A	12	**1318.4712**	**659.7392**
348.1554	174.5813	3	E	11	**1247.4341**	**624.2207**
405.1768	203.0921	4	G	10	**1118.3915**	**559.6994**
572.1752	286.5912	5	S[167]	9	**1061.3700**	531.1887
629.1967	315.1020	6	G	8	**894.3717**	447.6895
766.2556	**383.6314**	7	H	7	837.3502	419.1787
853.2876	427.1474	8	S	6	**700.2913**	350.6493
1020.2860	510.6466	9	S[167]	5	**613.2593**	307.1333
1135.3129	**568.1601**	10	D	4	**446.2609**	223.6341
1248.3970	**624.7021**	11	L	3	**331.2340**	166.1206
1319.4341	**660.2207**	12	A	2	218.1499	109.5786
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.FALDS$_{167}$PPQS$_{167}$PR$_{166}$.R/2

0.999

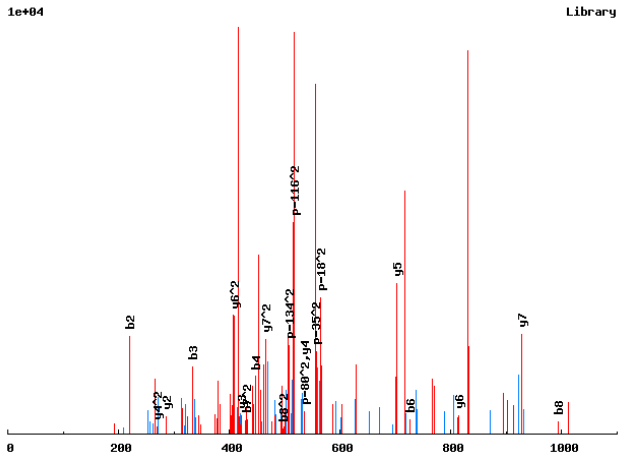


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	11		
219.1128	110.0600	2	A	10	1237.4889	**619.2481**
332.1969	166.6021	3	L	9	**1166.4518**	**583.7295**
447.2238	224.1155	4	D	8	**1053.3677**	527.1875
614.2222	307.6147	5	S[167]	7	**938.3408**	469.6740
711.2749	356.1411	6	P	6	**771.3424**	386.1749
808.3277	404.6675	7	P	5	**674.2897**	337.6485
936.3863	468.6968	8	Q	4	577.2369	289.1221
1103.3846	552.1960	9	S[167]	3	**449.1783**	225.0928
1200.4374	**600.7223**	10	P	2	**282.1800**	141.5936
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.FANLS$_{167}$LHEK$_{136}$.T/2

0.9601

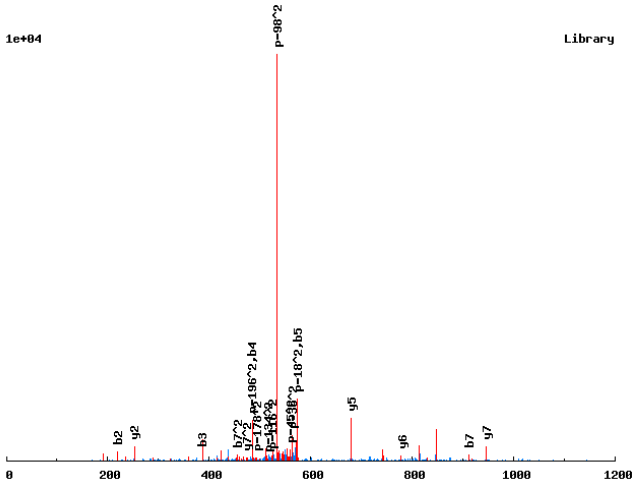


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	**1**	**F**	**9**		
219.1128	110.0600	**2**	**A**	**8**	999.4750	500.2412
333.1557	167.0815	**3**	**N**	**7**	**928.4379**	**464.7226**
446.2398	223.6235	**4**	**L**	**6**	**814.3950**	**407.7011**
613.2382	307.1227	**5**	**S[167]**	**5**	**701.3109**	351.1591
726.3222	363.6647	**6**	**L**	**4**	**534.3126**	**267.6599**
863.3811	**432.1942**	**7**	**H**	**3**	**421.2285**	211.1179
992.4237	**496.7155**	**8**	**E**	**2**	**284.1696**	142.5884
		9	**K[136]**	**1**	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.FAS$_{167}$VSPY$_{243}$PK$_{136}$.F/2

0.9995

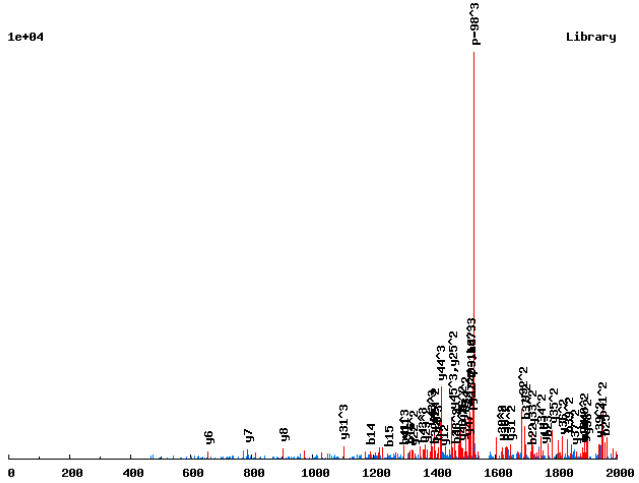


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	9		
219.1128	110.0600	2	A	8	1016.3981	508.7027
386.1112	193.5592	3	S[167]	7	**945.3610**	**473.1841**
485.1796	243.0934	4	V	6	**778.3626**	389.6850
572.2116	286.6094	5	S	5	**679.2942**	340.1507
669.2644	335.1358	6	P	4	592.2622	296.6347
912.2940	**456.6507**	7	Y[243]	3	495.2094	248.1083
1009.3468	505.1770	8	P	2	**252.1798**	126.5935
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.FATVPTGGASSAAAGAAGAAAGGDAAEEEKEEEAKEES$_{167}$DDDMGFGLFD.-/3

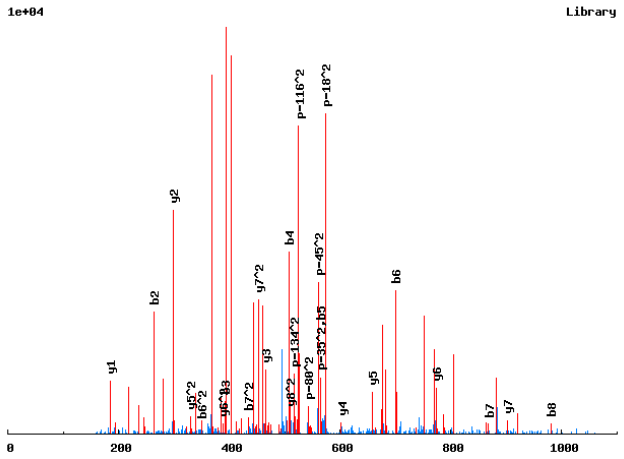
0.9687



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	48			
219.1128	110.0600	73.7091	2	A	47	4539.8776	2270.4424	**1513.9641**
320.1605	160.5839	107.3917	3	T	46	4468.8405	2234.9239	**1490.2850**
419.2289	210.1181	140.4145	4	V	45	4367.7928	2184.4001	**1456.6025**
516.2817	258.6445	172.7654	5	P	44	4268.7244	2134.8658	**1423.5797**
617.3293	309.1683	206.4480	6	T	43	4171.6717	2086.3395	**1391.2287**
674.3508	337.6790	225.4551	7	G	42	4070.6240	2035.8156	1357.5462
731.3723	366.1898	244.4623	8	G	41	4013.6025	2007.3049	1338.5390
802.4094	401.7083	268.1413	9	A	40	3956.5811	1978.7942	1319.5319
889.4414	445.2243	297.1520	10	S	39	3885.5439	**1943.2756**	1295.8528
976.4734	488.7404	326.1627	11	S	38	3798.5119	**1899.7596**	1266.8422
1047.5105	524.2589	349.8417	12	A	37	3711.4799	**1856.2436**	1237.8315
1118.5476	559.7775	373.5207	13	A	36	3640.4428	**1820.7250**	1214.1524
1189.5848	595.2960	397.1998	14	A	35	3569.4057	**1785.2065**	1190.4734
1246.6062	623.8067	416.2069	15	G	34	3498.3686	**1749.6879**	1166.7944
1317.6433	659.3253	439.8860	16	A	33	3441.3471	**1721.1772**	1147.7872
1388.6804	694.8439	463.5650	17	A	32	3370.3100	**1685.6586**	1124.1082
1445.7019	723.3546	482.5722	18	G	31	3299.2729	**1650.1401**	**1100.4291**
1516.7390	758.8731	506.2512	19	A	30	3242.2514	**1621.6293**	1081.4220
1587.7761	794.3917	529.9302	20	A	29	3171.2143	1586.1108	1057.7430
1658.8132	829.9103	553.6093	21	A	28	3100.1772	1550.5922	1034.0639
1715.8347	858.4210	572.6164	22	G	27	3029.1401	**1515.0737**	1010.3849
1772.8561	886.9317	591.6236	23	G	26	2972.1186	**1486.5630**	991.3777
1887.8831	944.4452	629.9659	24	D	25	2915.0972	**1458.0522**	972.3706
1958.9202	979.9637	653.6449	25	A	24	2800.0702	**1400.5388**	934.0283
2029.9573	1015.4823	677.3240	26	A	23	2729.0331	**1365.0202**	910.3492
2158.9999	1080.0036	720.3381	27	E	22	2657.9960	**1329.5016**	886.6702
2288.0425	1144.5249	763.3523	28	E	21	2528.9534	1264.9803	843.6560
2417.0851	1209.0462	806.3665	29	E	20	2399.9108	1200.4591	800.6418
2545.1800	1273.0937	849.0649	30	K	19	2270.8682	1135.9378	757.6276
2674.2226	1337.6149	892.0791	31	E	18	2142.7733	1071.8903	714.9293
2803.2652	**1402.1362**	935.0933	32	E	17	2013.7307	1007.3690	671.9151
2932.3078	**1466.6575**	978.1075	33	E	16	**1884.6881**	942.8477	628.9009
3003.3449	**1502.1761**	1001.7865	34	A	15	**1755.6455**	878.3264	585.8867
3131.4399	1566.2236	1044.4848	35	K	14	1684.6084	842.8078	562.2077
3260.4825	**1630.7449**	1087.4990	36	E	13	1556.5134	778.7604	519.5093
3389.5250	**1695.2662**	1130.5132	37	E	12	**1427.4708**	714.2391	476.4951
3556.5234	1778.7653	1186.1793	38	S[167]	11	**1298.4283**	649.7178	433.4809
3671.5504	**1836.2788**	1224.5216	39	D	10	1131.4299	566.2186	377.8148
3786.5773	**1893.7923**	1262.8640	40	D	9	1016.4030	508.7051	339.4725
3901.6042	**1951.3058**	**1301.2063**	41	D	8	**901.3760**	451.1916	301.1302
4032.6447	2016.8260	1344.8864	42	M	7	**786.3491**	393.6782	262.7879
4089.6662	2045.3367	**1363.8936**	43	G	6	**655.3086**	328.1579	219.1077
4236.7346	2118.8709	**1412.9164**	44	F	5	598.2871	299.6472	200.1006
4293.7561	2147.3817	1431.9235	45	G	4	451.2187	226.1130	151.0778
4406.8401	2203.9237	**1469.6182**	46	L	3	394.1972	197.6023	132.0706
4553.9085	2277.4579	**1518.6410**	47	F	2	281.1132	141.0602	94.3759
			48	D	1	134.0448	67.5260	45.3531

R.FDEDGK$_{136}$S$_{167}$IR$_{166}$.D/2

0.9994

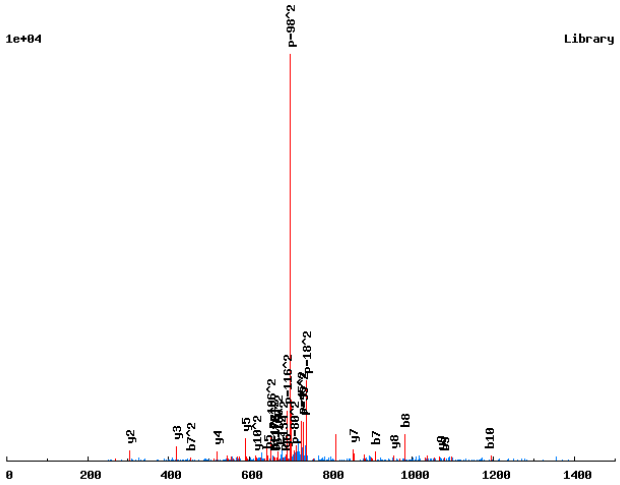


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	9		
263.1026	132.0550	2	D	8	1017.4367	509.2220
392.1452	196.5762	3	E	7	902.4098	451.7085
507.1722	254.0897	4	D	6	773.3672	387.1872
564.1936	282.6005	5	G	5	658.3403	329.6738
700.3028	350.6550	6	K[136]	4	601.3188	301.1630
867.3011	434.1542	7	S[167]	3	465.2096	233.1085
980.3852	490.6962	8	I	2	298.2113	149.6093
		9	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.FDS$_{167}$NVS$_{167}$VAVDER.-/2

0.9888

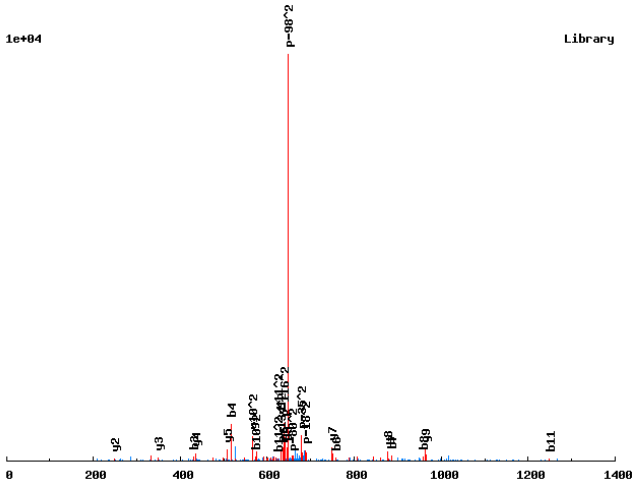


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	12		
263.1026	132.0550	2	D	11	1350.4974	675.7523
430.1010	215.5541	3	S[167]	10	1235.4705	**618.2389**
544.1439	272.5756	4	N	9	**1068.4721**	534.7397
643.2123	322.1098	5	V	8	**954.4292**	477.7182
810.2107	405.6090	6	S[167]	7	**855.3608**	428.1840
909.2791	**455.1432**	7	V	6	**688.3624**	344.6848
980.3162	490.6617	8	A	5	**589.2940**	295.1506
1079.3846	540.1960	9	V	4	**518.2569**	259.6321
1194.4116	597.7094	10	D	3	**419.1885**	210.0979
1323.4542	**662.2307**	11	E	2	**304.1615**	152.5844
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.FDS$_{167}$SKLEASTTK.Y/2

0.9984

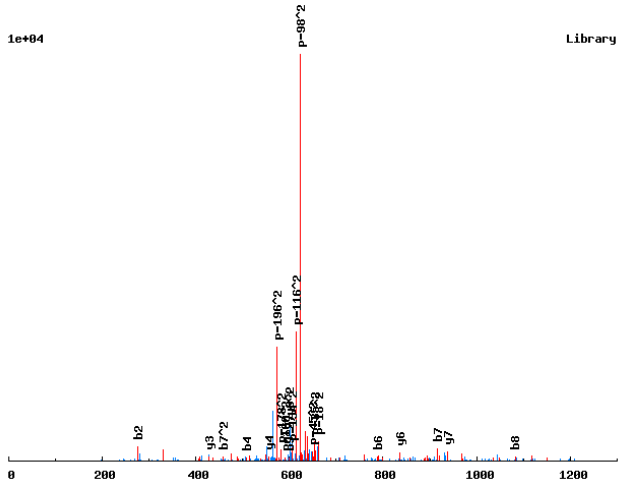


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	12		
263.1026	132.0550	2	D	11	1246.5562	**623.7818**
430.1010	215.5541	3	S[167]	10	1131.5293	**566.2683**
517.1330	259.0702	4	S	9	**964.5309**	482.7691
645.2280	323.1176	5	K	8	**877.4989**	439.2531
758.3120	379.6597	6	L	7	**749.4040**	375.2056
887.3546	444.1810	7	E	6	**636.3199**	318.6636
958.3917	479.6995	8	A	5	**507.2773**	254.1423
1045.4238	523.2155	9	S	4	**436.2402**	218.6237
1146.4715	**573.7394**	10	T	3	**349.2082**	175.1077
1247.5191	**624.2632**	11	T	2	**248.1605**	124.5839
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.FEETS$_{167}$LKS$_{167}$NK.V/2

0.7058

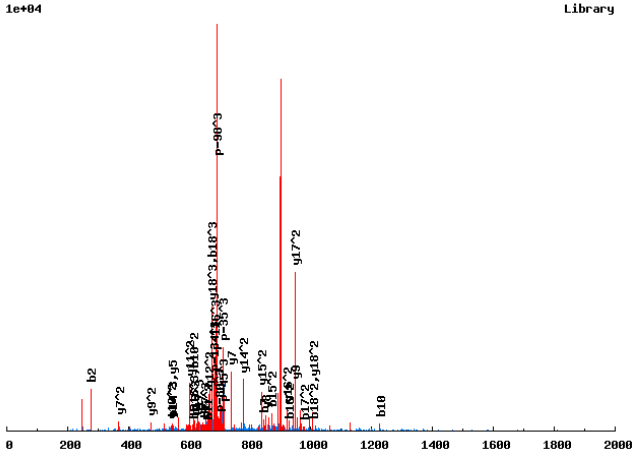


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	10		
277.1183	139.0628	2	E	9	1195.4643	**598.2358**
406.1609	203.5841	3	E	8	1066.4217	533.7145
507.2086	254.1079	4	T	7	**937.3792**	469.1932
674.2069	337.6071	5	S[167]	6	**836.3315**	418.6694
787.2910	394.1491	6	L	5	669.3331	335.1702
915.3859	**458.1966**	7	K	4	**556.2491**	278.6282
1082.3843	541.6958	8	S[167]	3	**428.1541**	214.5807
1196.4272	**598.7173**	9	N	2	261.1557	131.0815
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.FEGS$_{167}$DDDENHPLPPLNVAK.G/3

0.8794

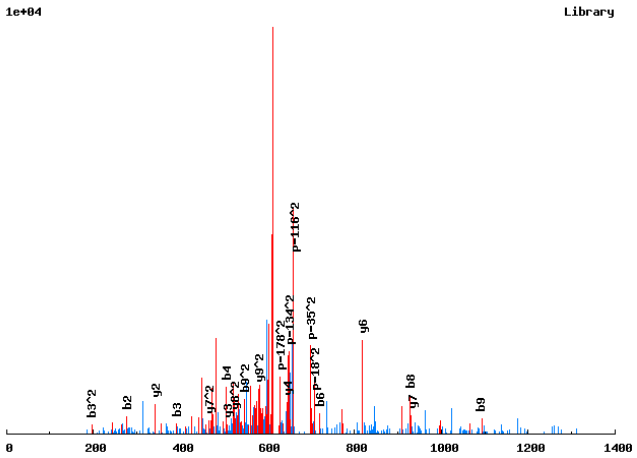


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	19			
277.1183	139.0628	93.0443	2	E	18	2026.8753	**1013.9413**	**676.2966**
334.1397	167.5735	112.0514	3	G	17	1897.8327	**949.4200**	**633.2824**
501.1381	251.0727	167.7176	4	S[167]	16	1840.8113	**920.9093**	**614.2753**
616.1650	308.5862	206.0599	5	D	15	1673.8129	**837.4101**	558.6092
731.1920	366.0996	244.4022	6	D	14	1558.7860	**779.8966**	520.2668
846.2189	423.6131	282.7445	7	D	13	1443.7590	722.3832	481.9245
975.2615	488.1344	325.7587	8	E	12	1328.7321	**664.8697**	443.5822
1089.3044	545.1559	363.7730	9	N	11	1199.6895	**600.3484**	400.5680
1226.3634	**613.6853**	409.4593	10	H	10	1085.6466	**543.3269**	362.5537
1323.4161	**662.2117**	441.8102	11	P	9	**948.5877**	**474.7975**	316.8674
1436.5002	718.7537	479.5049	12	L	8	**851.5349**	426.2711	284.5165
1533.5529	767.2801	511.8558	13	P	7	**738.4508**	**369.7291**	246.8218
1630.6057	815.8065	**544.2068**	14	P	6	**641.3981**	321.2027	214.4709
1743.6898	**872.3485**	581.9014	15	L	5	**544.3453**	272.6763	182.1200
1857.7327	**929.3700**	**619.9157**	16	N	4	431.2612	216.1343	144.4253
1956.8011	**978.9042**	**652.9386**	17	V	3	317.2183	159.1128	106.4110
2027.8382	**1014.4227**	**676.6176**	18	A	2	218.1499	109.5786	73.3882
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.FENNITAHS$_{167}$S$_{167}$R.R/2

0.9408

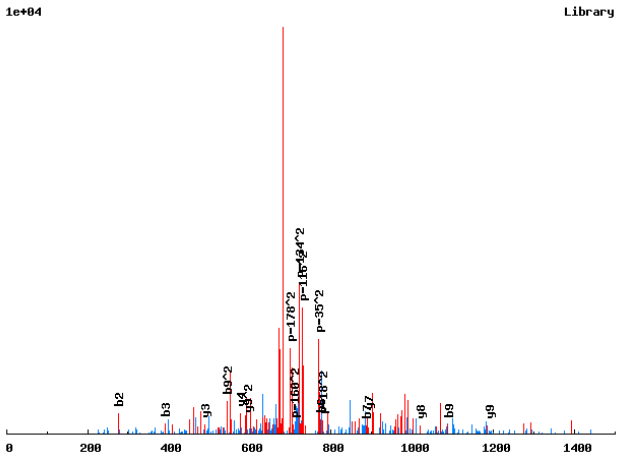


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	11		
277.1183	139.0628	2	E	10	1288.4719	644.7396
391.1612	**196.0842**	3	N	9	1159.4293	**580.2183**
505.2041	253.1057	4	N	8	1045.3864	**523.1968**
618.2882	309.6477	5	I	7	**931.3434**	**466.1754**
719.3359	360.1716	6	T	6	**818.2594**	409.6333
790.3730	395.6901	7	A	5	717.2117	359.1095
927.4319	464.2196	8	H	4	**646.1746**	323.5909
1094.4303	**547.7188**	9	S[167]	3	**509.1157**	255.0615
1261.4286	631.2180	10	S[167]	2	**342.1173**	171.5623
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.FENS$_{167}$QSNLSS$_{167}$HR$_{166}$.A/2

0.8673

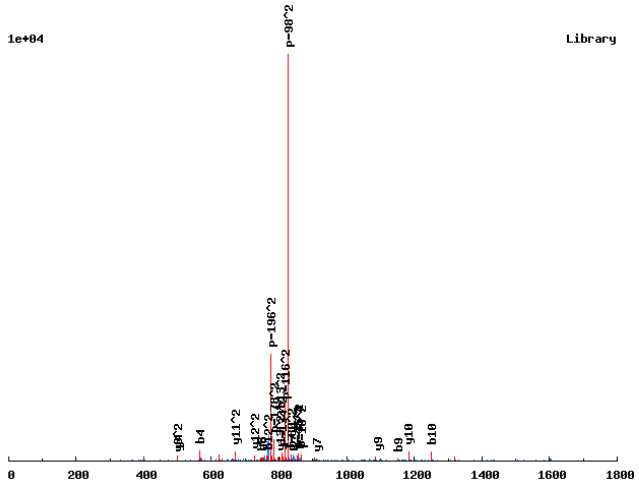


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	12		
277.1183	139.0628	2	E	11	1428.5180	714.7626
391.1612	196.0842	3	N	10	1299.4754	650.2413
558.1596	279.5834	4	S[167]	9	**1185.4325**	**593.2199**
686.2182	343.6127	5	Q	8	**1018.4341**	509.7207
773.2502	387.1287	6	S	7	**890.3755**	445.6914
887.2931	444.1502	7	N	6	803.3435	402.1754
1000.3772	500.6922	8	L	5	689.3006	345.1539
1087.4092	**544.2082**	9	S	4	**576.2165**	288.6119
1254.4076	627.7074	10	S[167]	3	**489.1845**	245.0959
1391.4665	696.2369	11	H	2	322.1861	161.5967
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.FFDRPSSS$_{167}$FVS$_{167}$NAK.G/2

0.9965

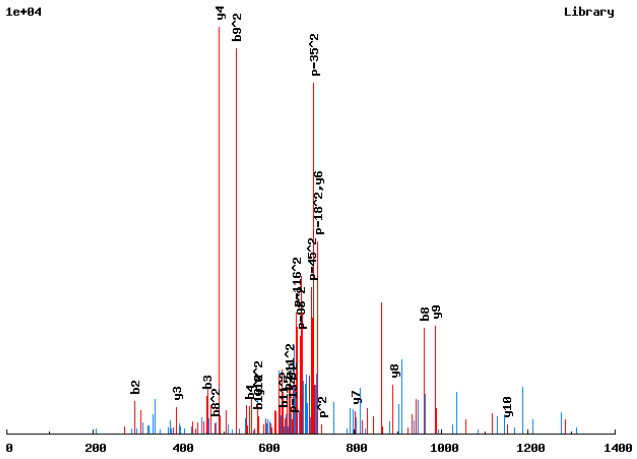


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	14		
295.1441	148.0757	2	F	13	1601.6397	**801.3235**
410.1710	205.5892	3	D	12	1454.5713	**727.7893**
566.2722	283.6397	4	R	11	1339.5443	**670.2758**
663.3249	332.1661	5	P	10	**1183.4432**	592.2252
750.3569	375.6821	6	S	9	**1086.3904**	543.6989
837.3890	419.1981	7	S	8	999.3584	**500.1828**
1004.3873	502.6973	8	S[167]	7	**912.3264**	456.6668
1151.4557	576.2315	9	F	6	**745.3280**	373.1677
1250.5242	625.7657	10	V	5	598.2596	299.6334
1417.5225	709.2649	11	S[167]	4	**499.1912**	250.0992
1531.5654	**766.2864**	12	N	3	332.1928	166.6001
1602.6026	**801.8049**	13	A	2	218.1499	109.5786
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.FFS$_{167}$PSSNIPTDR.I/2

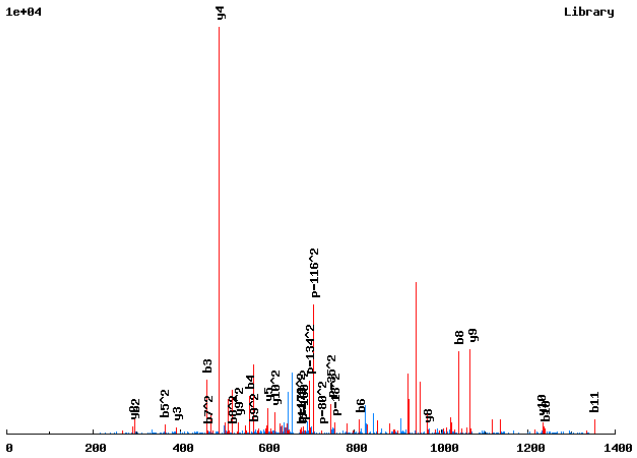
0.9414



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	12		
295.1441	148.0757	2	F	11	1300.5569	**650.7821**
462.1425	231.5749	3	S[167]	10	**1153.4885**	**577.2479**
559.1952	280.1013	4	P	9	**986.4901**	493.7487
646.2273	323.6173	5	S	8	**889.4374**	445.2223
733.2593	367.1333	6	S	7	**802.4054**	401.7063
847.3022	424.1547	7	N	6	**715.3733**	358.1903
960.3863	**480.6968**	8	I	5	601.3304	301.1688
1057.4390	**529.2232**	9	P	4	**488.2463**	244.6268
1158.4867	**579.7470**	10	T	3	**391.1936**	196.1004
1273.5137	**637.2605**	11	D	2	290.1459	145.5766
		12	R	1	175.1190	88.0631

R.FFS$_{167}$PS$_{167}$SNIPTDR.I/2

0.9781

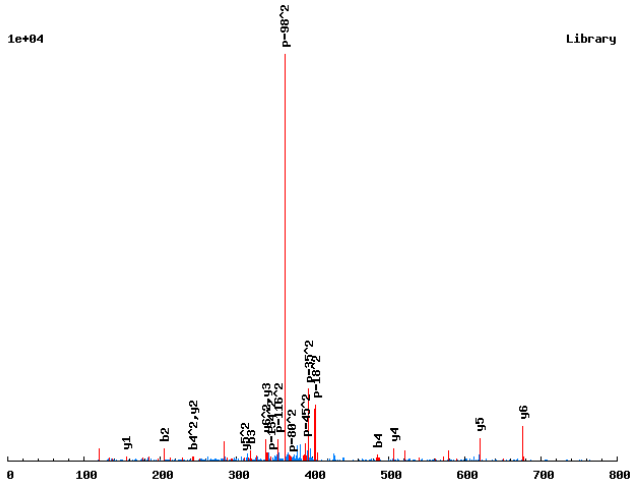


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	12		
295.1441	148.0757	2	F	11	1380.5232	690.7653
462.1425	231.5749	3	S[167]	10	**1233.4548**	**617.2311**
559.1952	280.1013	4	P	9	**1066.4565**	**533.7319**
726.1936	**363.6004**	5	S[167]	8	**969.4037**	485.2055
813.2256	407.1164	6	S	7	802.4054	401.7063
927.2685	**464.1379**	7	N	6	715.3733	358.1903
1040.3526	**520.6799**	8	I	5	**601.3304**	301.1688
1137.4054	**569.2063**	9	P	4	**488.2463**	244.6268
1238.4530	619.7302	10	T	3	**391.1936**	196.1004
1353.4800	**677.2436**	11	D	2	**290.1459**	145.5766
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.FGLS$_{167}$PSK$_{136}$.G/2

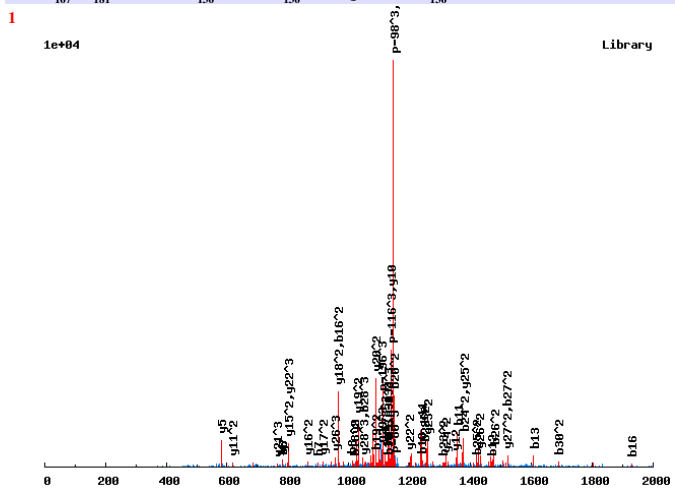
0.9734



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	7		
205.0971	103.0522	2	G	6	676.3157	338.6615
318.1812	159.5942	3	L	5	619.2942	310.1507
485.1796	243.0934	4	S[167]	4	506.2101	253.6087
582.2323	291.6198	5	P	3	339.2118	170.1095
669.2644	335.1358	6	S	2	242.1590	121.5832
		7	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

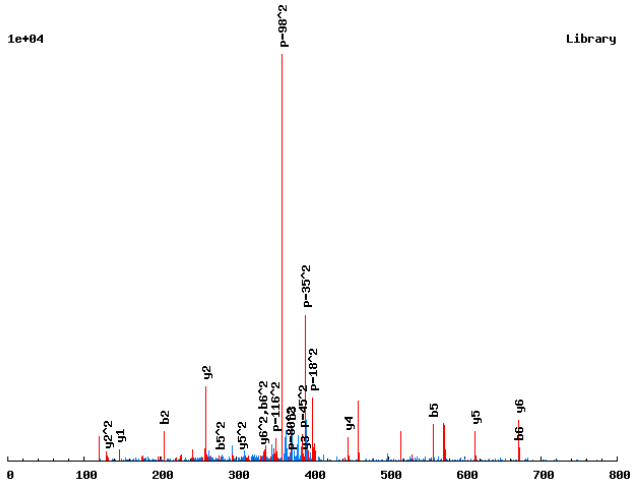
R.FGS$_{167}$DT$_{181}$DDDDIDLK$_{136}$PVEGGK$_{136}$DPDNQSLPNSEK$_{136}$.I/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	31			
205.0971	103.0522	69.0372	2	G	30	3384.4101	1692.7087	**1128.8082**
372.0955	186.5514	124.7034	3	S[167]	29	3327.3887	1664.1980	**1109.8011**
487.1225	244.0649	163.0457	4	D	28	3160.3903	1580.6988	**1054.1350**
668.1365	334.5719	223.3837	5	T[181]	27	3045.3634	**1523.1853**	1015.7926
783.1634	392.0853	261.7260	6	D	26	2864.3494	**1432.6783**	**955.4546**
898.1903	449.5988	300.0683	7	D	25	2749.3224	**1375.1649**	917.1123
1013.2173	507.1123	338.4106	8	D	24	2634.2955	**1317.6514**	878.7700
1128.2442	564.6258	376.7529	9	D	23	2519.2685	**1260.1379**	840.4277
1241.3283	621.1678	414.4476	10	I	22	2404.2416	**1202.6244**	**802.0854**
1356.3552	678.6813	452.7899	11	D	21	2291.1575	**1146.0824**	**764.3907**
1469.4393	735.2233	490.4846	12	L	20	2176.1306	**1088.5689**	726.0484
1605.5484	803.2779	535.8543	13	K[136]	19	2063.0465	**1032.0269**	688.3537
1702.6012	851.8042	568.2053	14	P	18	1926.9374	**963.9723**	642.9840
1801.6696	901.3384	601.2281	15	V	17	1829.8846	**915.4460**	610.6331
1930.7122	**965.8597**	644.2423	16	E	16	1730.8162	**865.9117**	577.6103
1987.7337	994.3705	663.2494	17	G	15	1601.7736	**801.3905**	534.5961
2044.7551	**1022.8812**	682.2566	18	G	14	1544.7522	772.8797	515.5889
2180.8643	**1090.9358**	727.6263	19	K[136]	13	1487.7307	744.3690	496.5818
2295.8912	**1148.4492**	765.9686	20	D	12	**1351.6215**	676.3144	451.2120
2392.9440	1196.9756	798.3195	21	P	11	**1236.5946**	**618.8009**	412.8697
2507.9709	**1254.4891**	836.6618	22	D	10	**1139.5418**	570.2746	380.5188
2622.0138	**1311.5106**	874.6761	23	N	9	**1024.5149**	512.7611	342.1765
2750.0724	**1375.5399**	917.3623	24	Q	8	910.4720	455.7396	304.1622
2837.1045	**1419.0559**	946.3730	25	S	7	**782.4134**	391.7103	261.4760
2950.1885	**1475.5979**	984.0677	26	L	6	695.3814	348.1943	232.4653
3047.2413	**1524.1243**	1016.4186	27	P	5	**582.2973**	291.6523	194.7706
3161.2842	1581.1457	**1054.4329**	28	N	4	485.2445	243.1259	162.4197
3248.3162	1624.6618	1083.4436	29	S	3	371.2016	186.1044	124.4054
3377.3588	**1689.1831**	**1126.4578**	30	E	2	284.1696	142.5884	95.3947
			31	K[136]	1	155.1270	78.0671	52.3805

K.FGS$_{167}$GELK.S/2

0.9772

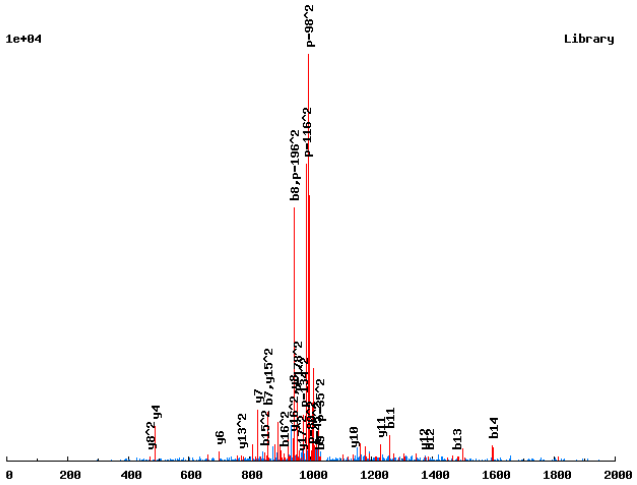


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	7		
205.0971	103.0522	2	G	6	670.2807	335.6440
372.0955	186.5514	3	S[167]	5	613.2593	307.1333
429.1170	215.0621	4	G	4	446.2609	223.6341
558.1596	279.5834	5	E	3	389.2394	195.1234
671.2436	336.1255	6	L	2	260.1969	130.6021
		7	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.FGS$_{167}$GNS$_{167}$FSSLDKPIPQSR.K/2

0.9987

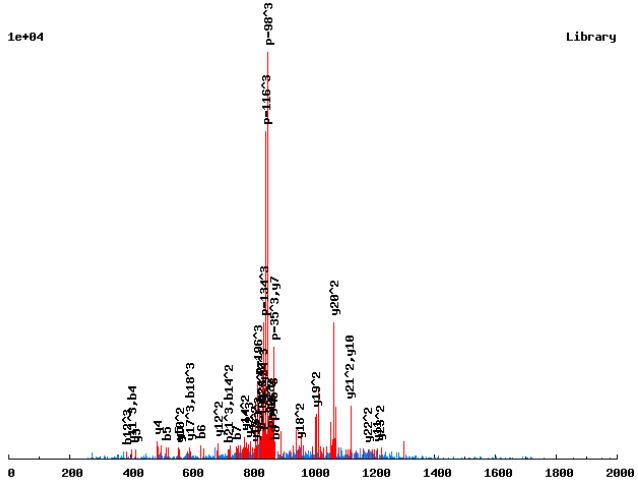


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	18		
205.0971	103.0522	2	G	17	1936.8201	**968.9137**
372.0955	186.5514	3	S[167]	16	1879.7987	**940.4030**
429.1170	215.0621	4	G	15	1712.8003	**856.9038**
543.1599	272.0836	5	N	14	1655.7789	828.3931
710.1583	355.5828	6	S[167]	13	1541.7359	**771.3716**
857.2267	429.1170	7	F	12	**1374.7376**	687.8724
944.2587	472.6330	8	S	11	**1227.6692**	614.3382
1031.2907	516.1490	9	S	10	**1140.6371**	570.8222
1144.3748	572.6910	10	L	9	1053.6051	527.3062
1259.4017	630.2045	11	D	8	**940.5210**	**470.7642**
1387.4967	694.2520	12	K	7	**825.4941**	413.2507
1484.5495	742.7784	13	P	6	**697.3991**	349.2032
1597.6335	799.3204	14	I	5	600.3464	300.6768
1694.6863	**847.8468**	15	P	4	**487.2623**	244.1348
1822.7449	**911.8761**	16	Q	3	390.2096	195.6084
1909.7769	955.3921	17	S	2	262.1510	131.5791
		18	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.FGSLINDQGTAGLS$_{167}$SHGGS$_{167}$FAAQNR.I/3

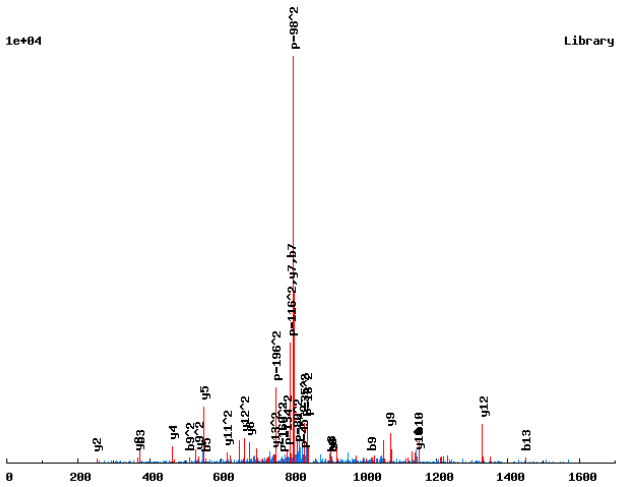
0.9406



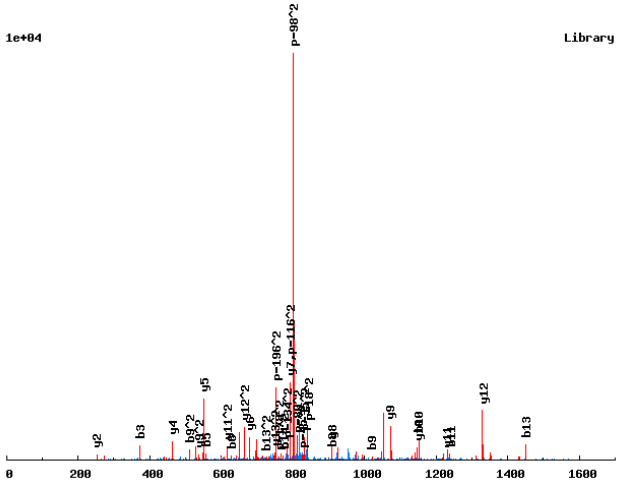
b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	25			
205.0971	103.0522	69.0372	2	G	24	2505.0555	1253.0314	**835.6900**
292.1292	146.5682	98.0479	3	S	23	2448.0340	**1224.5207**	**816.6829**
405.2132	203.1103	135.7426	4	L	22	2361.0020	**1181.0046**	**787.6722**
518.2973	259.6523	173.4373	5	I	21	2247.9180	**1124.4626**	749.9775
632.3402	316.6738	211.4516	6	N	20	2134.8339	**1067.9206**	712.2828
747.3672	374.1872	249.7939	7	D	19	2020.7910	**1010.8991**	674.2685
875.4257	438.2165	292.4801	8	Q	18	1905.7640	**953.3857**	635.9262
932.4472	466.7272	311.4873	9	G	17	1777.7054	889.3564	**593.2400**
1033.4949	517.2511	345.1698	10	T	16	1720.6840	**860.8456**	574.2328
1104.5320	552.7696	368.8489	11	A	15	1619.6363	**810.3218**	540.5503
1161.5535	581.2804	**387.8560**	12	G	14	1548.5992	**774.8032**	516.8713
1274.6375	637.8224	425.5507	13	L	13	1491.5777	746.2925	497.8641
1441.6359	**721.3216**	481.2168	14	S[167]	12	1378.4937	**689.7505**	460.1694
1528.6679	764.8376	510.2275	15	S	11	**1211.4953**	606.2513	**404.5033**
1665.7268	833.3671	555.9138	16	H	10	**1124.4633**	**562.7353**	375.4926
1722.7483	861.8778	574.9209	17	G	9	987.4044	494.2058	329.8063
1779.7697	890.3885	**593.9281**	18	G	8	930.3829	465.6951	310.7992
1946.7681	973.8877	649.5942	19	S[167]	7	**873.3615**	437.1844	291.7920
2093.8365	1047.4219	698.6170	20	F	6	706.3631	353.6852	236.1259
2164.8736	1082.9405	**722.2961**	21	A	5	**559.2947**	280.1510	187.1031
2235.9107	1118.4590	745.9751	22	A	4	**488.2576**	244.6324	163.4240
2363.9693	1182.4883	788.6613	23	Q	3	**417.2205**	209.1139	139.7450
2478.0122	1239.5098	**826.6756**	24	N	2	289.1619	145.0846	97.0588
			25	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.FGS$_{167}$PSAS$_{167}$DIESPNPK$_{136}$.L/2

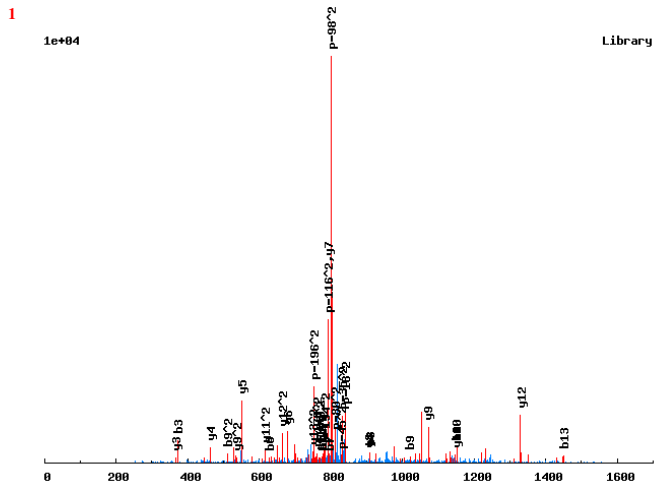


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	15		
205.0971	103.0522	2	G	14	1553.6012	777.3042
372.0955	186.5514	3	S[167]	13	1496.5797	**748.7935**
469.1483	235.0778	4	P	12	**1329.5813**	**665.2943**
556.1803	278.5938	5	S	11	1232.5286	**616.7679**
627.2174	314.1123	6	A	10	**1145.4965**	573.2519
794.2158	397.6115	7	S[167]	9	**1074.4594**	**537.7334**
909.2427	455.1250	8	D	8	**907.4611**	454.2342
1022.3268	**511.6670**	9	I	7	**792.4341**	396.7207
1151.3694	576.1883	10	E	6	**679.3501**	340.1787
1238.4014	619.7043	11	S	5	**550.3075**	275.6574
1335.4542	668.2307	12	P	4	**463.2754**	232.1414
1449.4971	725.2522	13	N	3	**366.2227**	183.6150
1546.5498	773.7786	14	P	2	**252.1798**	126.5935
		15	K[136]	1	155.1270	78.0671



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	15		
205.0971	103.0522	2	G	14	1553.6012	777.3042
372.0955	186.5514	3	S[167]	13	1496.5797	**748.7935**
469.1483	235.0778	4	P	12	**1329.5813**	**665.2943**
556.1803	278.5938	5	S	11	**1232.5286**	**616.7679**
627.2174	314.1123	6	A	10	**1145.4965**	573.2519
794.2158	397.6115	7	S[167]	9	**1074.4594**	**537.7334**
909.2427	455.1250	8	D	8	**907.4611**	454.2342
1022.3268	**511.6670**	9	I	7	**792.4341**	396.7207
1151.3694	576.1883	10	E	6	**679.3501**	340.1787
1238.4014	619.7043	11	S	5	**550.3075**	275.6574
1335.4542	668.2307	12	P	4	**463.2754**	232.1414
1449.4971	**725.2522**	13	N	3	366.2227	183.6150
1546.5498	**773.7786**	14	P	2	**252.1798**	126.5935
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

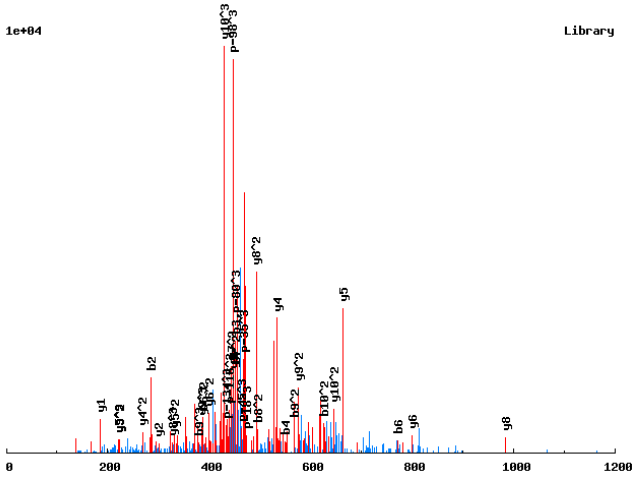


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	15		
205.0971	103.0522	2	G	14	1553.6012	**777.3042**
372.0955	186.5514	3	S[167]	13	1496.5797	**748.7935**
469.1483	235.0778	4	P	12	**1329.5813**	**665.2943**
556.1803	278.5938	5	S	11	1232.5286	**616.7679**
627.2174	314.1123	6	A	10	**1145.4965**	573.2519
794.2158	397.6115	7	S[167]	9	**1074.4594**	**537.7334**
909.2427	455.1250	8	D	8	**907.4611**	454.2342
1022.3268	**511.6670**	9	I	7	**792.4341**	396.7207
1151.3694	576.1883	10	E	6	**679.3501**	340.1787
1238.4014	619.7043	11	S	5	**550.3075**	275.6574
1335.4542	668.2307	12	P	4	**463.2754**	232.1414
1449.4971	725.2522	13	N	3	**366.2227**	183.6150
1546.5498	**773.7786**	14	P	2	252.1798	126.5935
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.FHS$_{167}$PSK$_{136}$ESFDR$_{166}$.T/3

0.9935

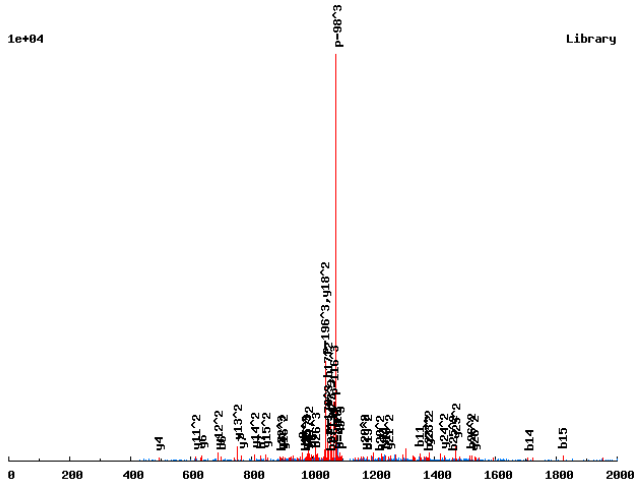


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	11			
285.1346	143.0709	95.7164	2	H	10	1287.5484	**644.2778**	**429.8543**
452.1330	226.5701	151.3825	3	S[167]	9	1150.4895	**575.7484**	**384.1680**
549.1857	275.0965	183.7334	4	P	8	**983.4911**	**492.2492**	**328.5019**
636.2178	318.6125	212.7441	5	S	7	886.4384	**443.7228**	296.1510
772.3269	**386.6671**	258.1138	6	K[136]	6	**799.4063**	**400.2068**	267.1403
901.3695	**451.1884**	301.1280	7	E	5	**663.2972**	**332.1522**	**221.7706**
988.4015	**494.7044**	330.1387	8	S	4	**534.2546**	**267.6309**	178.7564
1135.4699	**568.2386**	**379.1615**	9	F	3	**447.2226**	**224.1149**	149.7457
1250.4969	**625.7521**	417.5038	10	D	2	**300.1542**	150.5807	100.7229
			11	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.FIEATK$_{136}$ES$_{167}$DEDS$_{167}$DADEFFDAEEAASDK$_{136}$K$_{136}$.A/3

0.9996

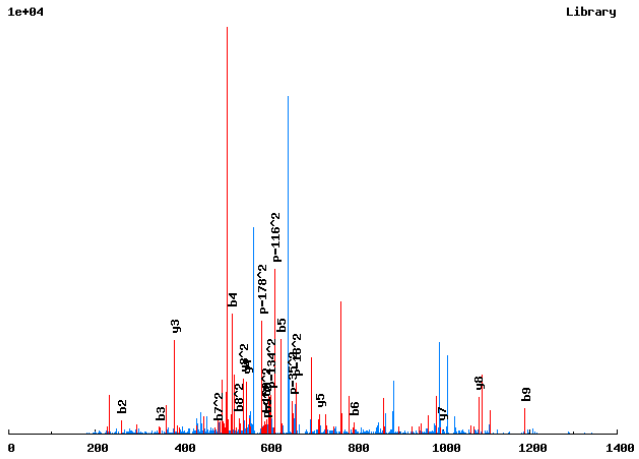


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	28			
261.1597	131.0835	87.7248	2	I	27	3176.2454	1588.6263	**1059.4200**
390.2023	195.6048	130.7390	3	E	26	3063.1613	**1532.0843**	1021.7253
461.2394	231.1234	154.4180	4	A	25	2934.1187	**1467.5630**	**978.7111**
562.2871	281.6472	188.1006	5	T	24	2863.0816	**1432.0444**	955.0321
698.3963	349.7018	233.4703	6	K[136]	23	2762.0339	**1381.5206**	921.3495
827.4389	414.2231	276.4845	7	E	22	2625.9248	1313.4660	875.9798
994.4372	497.7223	332.1506	8	S[167]	21	2496.8822	**1248.9447**	832.9656
1109.4642	555.2357	370.4929	9	D	20	2329.8838	**1165.4455**	777.2995
1238.5068	619.7570	413.5071	10	E	19	2214.8569	1107.9321	738.9571
1353.5337	677.2705	451.8494	11	D	18	2085.8143	**1043.4108**	695.9429
1520.5321	760.7697	507.5155	12	S[167]	17	1970.7873	**985.8973**	657.6006
1635.5590	818.2831	545.8579	13	D	16	1803.7890	**902.3981**	601.9345
1706.5961	853.8017	569.5369	14	A	15	1688.7620	**844.8847**	563.5922
1821.6231	911.3152	607.8792	15	D	14	1617.7249	**809.3661**	539.9132
1950.6657	975.8365	650.8934	16	E	13	1502.6980	**751.8526**	501.5708
2097.7341	**1049.3707**	699.9162	17	F	12	1373.6554	**687.3313**	458.5567
2244.8025	1122.9049	748.9390	18	F	11	**1226.5870**	**613.7971**	409.5338
2359.8294	**1180.4183**	787.2813	19	D	10	**1079.5186**	540.2629	360.5110
2430.8665	**1215.9369**	810.9604	20	A	9	**964.4916**	482.7495	322.1687
2559.9091	1280.4582	853.9746	21	E	8	**893.4545**	447.2309	298.4897
2688.9517	1344.9795	**896.9888**	22	E	7	**764.4119**	382.7096	255.4755
2759.9888	**1380.4980**	920.6678	23	A	6	**635.3693**	318.1883	212.4613
2831.0259	1416.0166	944.3468	24	A	5	564.3322	282.6698	188.7823
2918.0580	**1459.5326**	**973.3575**	25	S	4	**493.2951**	247.1512	165.1032
3033.0849	**1517.0461**	**1011.6998**	26	D	3	406.2631	203.6352	136.0926
3169.1941	1585.1007	**1057.0695**	27	K[136]	2	291.2362	146.1217	97.7502
			28	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.FISR$_{166}$LS$_{167}$S$_{167}$PEK$_{136}$.V/2

0.6764

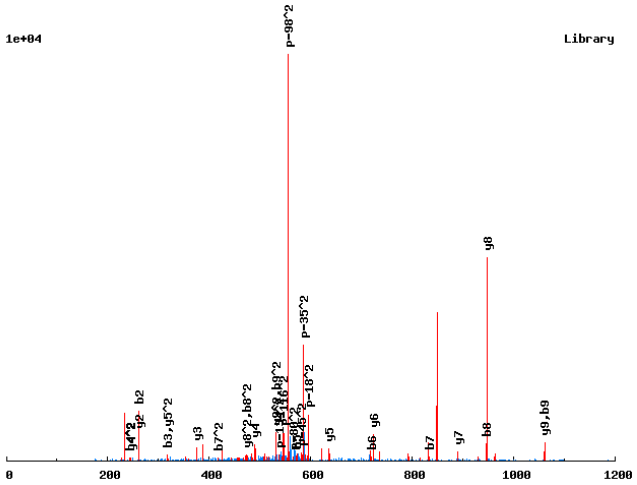


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	10		
261.1597	131.0835	2	I	9	1194.5286	597.7679
348.1918	174.5995	3	S	8	**1081.4445**	**541.2259**
514.3012	257.6542	4	R[166]	7	**994.4125**	497.7099
627.3852	314.1962	5	L	6	828.3031	414.6552
794.3836	397.6954	6	S[167]	5	**715.2191**	358.1132
961.3819	**481.1946**	7	S[167]	4	**548.2207**	274.6140
1058.4347	**529.7210**	8	P	3	**381.2223**	191.1148
1187.4773	**594.2423**	9	E	2	284.1696	142.5884
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.FLGS$_{167}$SFNIDK.E/2

0.9995

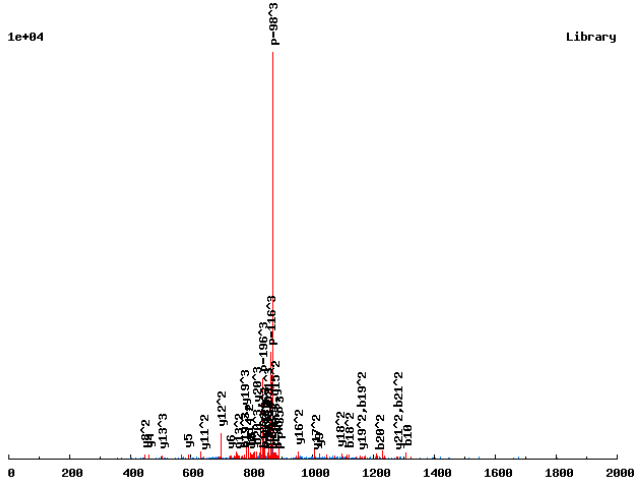


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	10		
261.1597	131.0835	2	L	9	**1060.4711**	**530.7392**
318.1812	159.5942	3	G	8	**947.3870**	**474.1971**
485.1796	**243.0934**	4	S[167]	7	**890.3655**	445.6864
572.2116	286.6094	5	S	6	**723.3672**	362.1872
719.2800	360.1436	6	F	5	**636.3351**	**318.6712**
833.3229	**417.1651**	7	N	4	**489.2667**	**245.1370**
946.4070	**473.7071**	8	I	3	**375.2238**	188.1155
1061.4339	**531.2206**	9	D	2	**262.1397**	131.5735
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.FLNHS$_{167}$DC$_{160}$S$_{167}$AINQQQPAHESNLK.T/3

0.9993

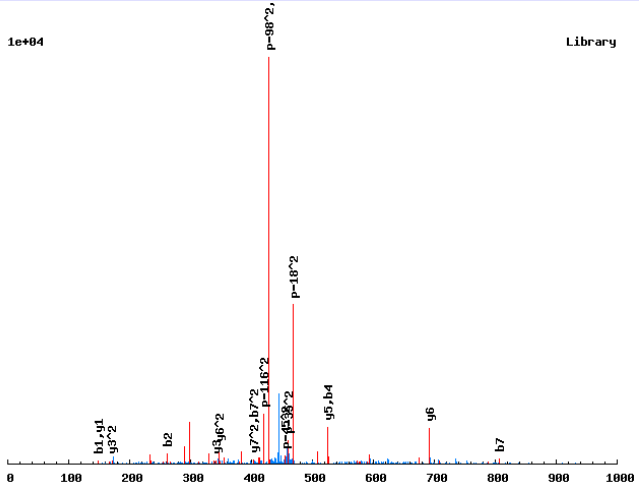


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	22			
261.1597	131.0835	87.7248	2	L	21	2551.0432	**1276.0253**	**851.0193**
375.2027	188.1050	125.7391	3	N	20	2437.9592	1219.4832	**813.3246**
512.2616	256.6344	171.4254	4	H	19	2323.9163	**1162.4618**	**775.3103**
679.2600	340.1336	227.0915	5	S[167]	18	2186.8573	**1093.9323**	729.6240
794.2869	397.6471	265.4338	6	D	17	2019.8590	**1010.4331**	673.9578
954.3175	477.6624	318.7774	7	C[160]	16	1904.8320	**952.9197**	635.6155
1121.3159	561.1616	374.4435	8	S[167]	15	1744.8014	**872.9043**	582.2720
1192.3530	596.6801	398.1225	9	A	14	1577.8030	**789.4052**	526.6059
1305.4371	653.2222	435.8172	10	I	13	1506.7659	**753.8866**	**502.9268**
1419.4800	710.2436	473.8315	11	N	12	1393.6819	**697.3446**	465.2321
1547.5386	774.2729	516.5177	12	Q	11	1279.6389	**640.3231**	427.2178
1675.5972	**838.3022**	559.2039	13	Q	10	1151.5803	576.2938	384.5316
1803.6557	902.3315	601.8901	14	Q	9	**1023.5218**	512.2645	341.8454
1900.7085	950.8579	634.2410	15	P	8	895.4632	**448.2352**	299.1593
1971.7456	986.3764	657.9201	16	A	7	**798.4104**	399.7089	266.8083
2108.8045	1054.9059	703.6064	17	H	6	**727.3733**	364.1903	243.1293
2237.8471	**1119.4272**	746.6206	18	E	5	**590.3144**	295.6608	197.4430
2324.8791	**1162.9432**	**775.6312**	19	S	4	**461.2718**	231.1395	154.4288
2438.9221	**1219.9647**	**813.6455**	20	N	3	374.2398	187.6235	125.4181
2552.0061	**1276.5067**	**851.3402**	21	L	2	260.1969	130.6021	87.4038
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.FLS$_{167}$PSGHK.T/2

0.9412

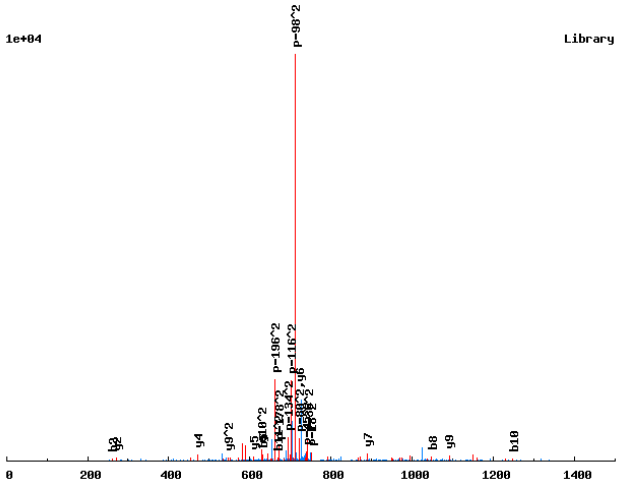


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	**1**	**F**	**8**		
261.1597	131.0835	**2**	**L**	**7**	805.3604	**403.1838**
428.1581	214.5827	**3**	**S[167]**	**6**	**692.2763**	**346.6418**
525.2109	263.1091	**4**	**P**	**5**	**525.2780**	263.1426
612.2429	306.6251	**5**	**S**	**4**	**428.2252**	214.6162
669.2644	335.1358	**6**	**G**	**3**	**341.1932**	**171.1002**
806.3233	**403.6653**	**7**	**H**	**2**	284.1717	142.5895
		8	**K**	**1**	**147.1128**	74.0600

Annotated spectra from Saleem et. al. 2009

R.FNS$_{167}$SDS$_{167}$LHSLSR$_{166}$S/2

0.9974

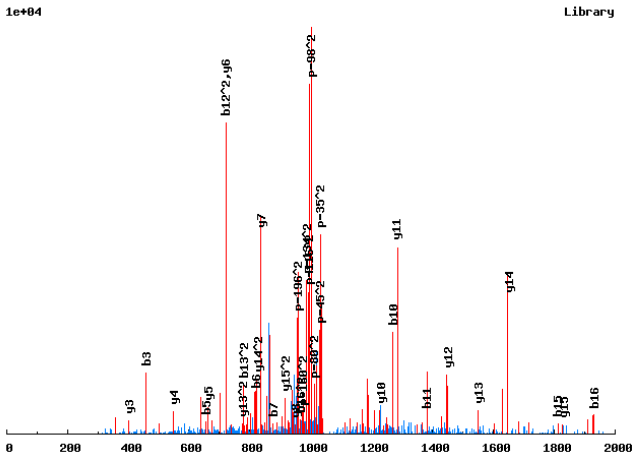


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	12		
262.1186	131.5629	2	N	11	1372.5169	686.7621
429.1170	215.0621	3	S[167]	10	1258.4740	**629.7406**
516.1490	258.5781	4	S	9	**1091.4756**	**546.2415**
631.1760	316.0916	5	D	8	1004.4436	502.7254
798.1743	399.5908	6	S[167]	7	**889.4167**	445.2120
911.2584	456.1328	7	L	6	**722.4183**	361.7128
1048.3173	524.6623	8	H	5	**609.3342**	305.1708
1135.3493	568.1783	9	S	4	**472.2753**	236.6413
1248.4334	624.7203	10	L	3	385.2433	193.1253
1335.4654	**668.2363**	11	S	2	**272.1592**	136.5833
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.FQT$_{181}$PTYGT$_{181}$PDNGNFLNR.T/2

0.9994

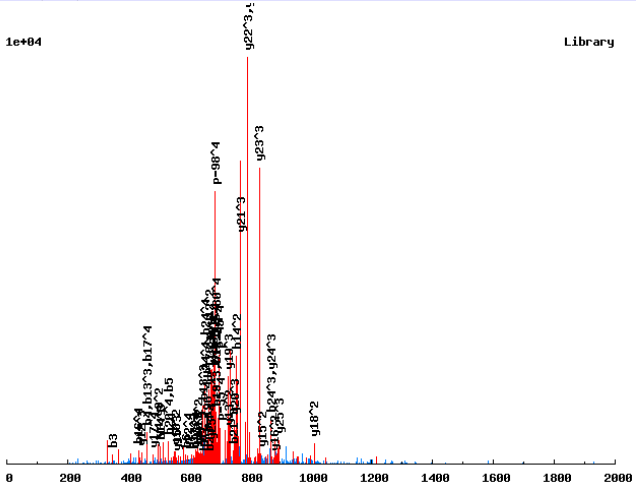


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	17		
276.1343	138.5708	2	Q	16	1954.7732	977.8902
457.1483	229.0778	3	T[181]	15	**1826.7146**	**913.8610**
554.2010	277.6042	4	P	14	**1645.7006**	**823.3539**
655.2487	328.1280	5	T	13	**1548.6479**	**774.8276**
818.3121	409.6597	6	Y	12	**1447.6002**	724.3037
875.3335	438.1704	7	G	11	**1284.5368**	642.7721
1056.3475	528.6774	8	T[181]	10	**1227.5154**	614.2613
1153.4003	577.2038	9	P	9	1046.5014	523.7543
1268.4272	634.7173	10	D	8	**949.4486**	475.2279
1382.4702	691.7387	11	N	7	**834.4217**	417.7145
1439.4916	**720.2494**	12	G	6	**720.3787**	360.6930
1553.5345	**777.2709**	13	N	5	**663.3573**	332.1823
1700.6030	850.8051	14	F	4	**549.3144**	275.1608
1813.6870	907.3471	15	L	3	**402.2459**	201.6266
1927.7299	**964.3686**	16	N	2	289.1619	145.0846
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.FSIIAGGS$_{167}$PS$_{167}$SSQEAFDSHGNTEHGR.K/4

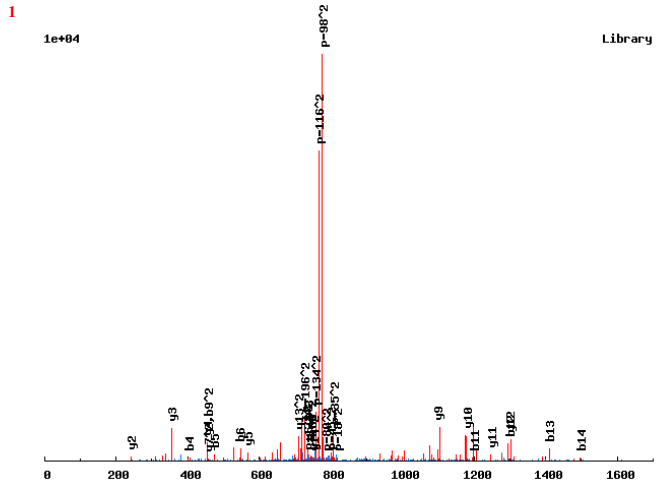
0.962



b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
148.0757	74.5415	50.0301	37.7744	1	F	26				
235.1077	118.0575	79.0408	59.5324	2	S	25	2688.0723	1344.5398	**896.6956**	**672.7735**
348.1918	174.5995	116.7354	87.8034	3	I	24	2601.0402	1301.0238	**867.6849**	**651.0155**
461.2758	231.1416	154.4301	116.0744	4	I	23	2487.9562	1244.4817	**829.9902**	**622.7445**
532.3130	266.6601	178.1092	133.8337	5	A	22	2374.8721	1187.9397	**792.2956**	**594.4735**
589.3344	295.1708	197.1163	148.0891	6	G	21	2303.8350	1152.4211	**768.6165**	576.7142
646.3559	323.6816	216.1235	162.3444	7	G	20	2246.8136	1123.9104	**749.6094**	562.4588
813.3542	407.1808	271.7896	204.0940	8	S[167]	19	2189.7921	1095.3997	**730.6022**	548.2035
910.4070	455.7071	304.1405	228.3572	9	P	18	2022.7937	**1011.9005**	**674.9361**	506.4539
1077.4054	539.2063	359.8066	270.1068	10	S[167]	17	1925.7410	963.3741	**642.5852**	**482.1907**
1164.4374	582.7223	388.8173	291.8648	11	S	16	1758.7426	**879.8749**	586.9191	440.4411
1251.4694	**626.2383**	417.8280	313.6228	12	S	15	1671.7106	**836.3589**	**557.9084**	418.6831
1379.5280	**690.2676**	**460.5142**	345.6375	13	Q	14	1584.6785	**792.8429**	528.8977	396.9251
1508.5706	**754.7889**	**503.5284**	377.8981	14	E	13	1456.6200	**728.8136**	486.2115	364.9105
1579.6077	790.3075	527.2074	395.6574	15	A	12	1327.5774	**664.2923**	**443.1973**	332.6498
1726.6761	863.8417	576.2302	**432.4245**	16	F	11	1256.5403	**628.7738**	419.5183	314.8905
1841.7030	921.3552	**614.5725**	**461.1812**	17	D	10	1109.4719	**555.2396**	370.4955	278.1234
1928.7351	964.8712	**643.5832**	482.9392	18	S	9	994.4449	**497.7261**	332.1532	249.3667
2065.7940	1033.4006	**689.2695**	517.2040	19	H	8	907.4129	454.2101	303.1425	227.6087
2122.8154	1061.9114	708.2767	**531.4593**	20	G	7	770.3540	385.6806	257.4562	193.3440
2236.8584	1118.9328	**746.2910**	559.9701	21	N	6	713.3325	357.1699	238.4490	179.0886
2337.9061	1169.4567	779.9735	585.2320	22	T	5	599.2896	300.1484	200.4347	150.5779
2466.9486	1233.9780	822.9877	617.4926	23	E	4	**498.2419**	249.6246	166.7522	125.3159
2604.0076	1302.5074	**868.6740**	**651.7573**	24	H	3	369.1993	185.1033	123.7380	93.0553
2661.0290	1331.0181	887.6812	**666.0127**	25	G	2	232.1404	116.5738	78.0517	58.7906
				26	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

R.FSLGAASTT$_{181}$S$_{167}$LVNSK$_{136}$.L/2

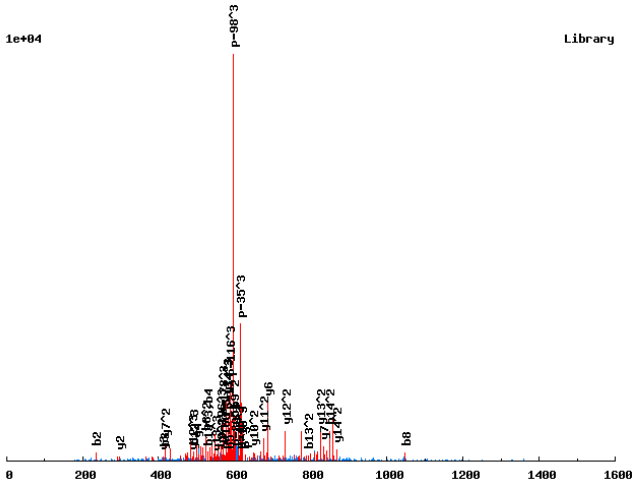


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	15		
235.1077	118.0575	2	S	14	1503.6583	**752.3328**
348.1918	174.5995	3	L	13	1416.6263	**708.8168**
405.2132	203.1103	4	G	12	**1303.5422**	652.2747
476.2503	238.6288	5	A	11	**1246.5207**	623.7640
547.2875	274.1474	6	A	10	**1175.4836**	588.2455
634.3195	317.6634	7	S	9	**1104.4465**	552.7269
735.3672	368.1872	8	T	8	1017.4145	509.2109
916.3812	**458.6942**	9	T[181]	7	916.3668	**458.6870**
1083.3795	542.1934	10	S[167]	6	**735.3528**	368.1800
1196.4636	598.7354	11	L	5	**568.3544**	284.6809
1295.5320	648.2696	12	V	4	**455.2704**	228.1388
1409.5749	705.2911	13	N	3	**356.2020**	178.6046
1496.6070	748.8071	14	S	2	**242.1590**	121.5832
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.FST$_{181}$LGS$_{167}$R$_{166}$EFSTSNLR$_{166}$.S/3

0.9895

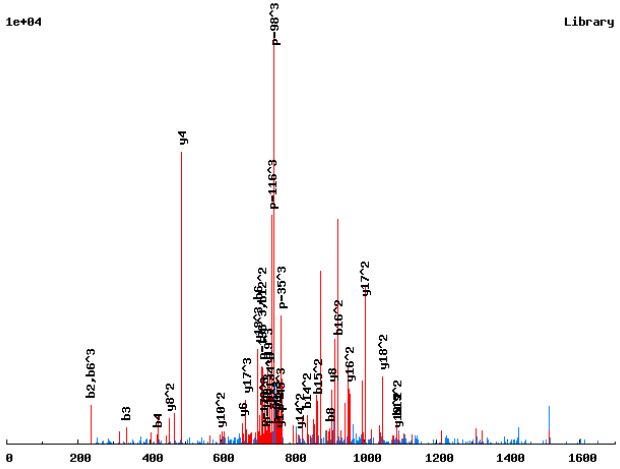


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	15			
235.1077	118.0575	79.0408	2	S	14	1734.7362	**867.8718**	**578.9169**
416.1217	208.5645	139.3788	3	T[181]	13	1647.7042	**824.3558**	**549.9063**
529.2058	265.1065	177.0735	4	L	12	1466.6902	**733.8487**	**489.5683**
586.2273	293.6173	196.0806	5	G	11	1353.6061	**677.3067**	451.8736
753.2256	377.1164	251.7467	6	S[167]	10	1296.5847	**648.7960**	432.8664
919.3350	460.1711	307.1165	7	R[166]	9	1129.5863	**565.2968**	377.2003
1048.3776	**524.6924**	350.1307	8	E	8	963.4769	482.2421	321.8305
1195.4460	**598.2266**	399.1535	9	F	7	**834.4344**	**417.7208**	278.8163
1282.4780	641.7427	428.1642	10	S	6	**687.3659**	344.1866	229.7935
1383.5257	692.2665	461.8468	11	T	5	**600.3339**	300.6706	200.7828
1470.5577	735.7825	**490.8574**	12	S	4	**499.2862**	250.1468	167.1003
1584.6007	**792.8040**	**528.8717**	13	N	3	**412.2542**	206.6307	138.0896
1697.6847	**849.3460**	566.5664	14	L	2	**298.2113**	149.6093	100.0753
			15	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.FSVSS$_{167}$NDSQNS$_{167}$LK$_{136}$NGDPHVK$_{136}$.A/3

0.8656

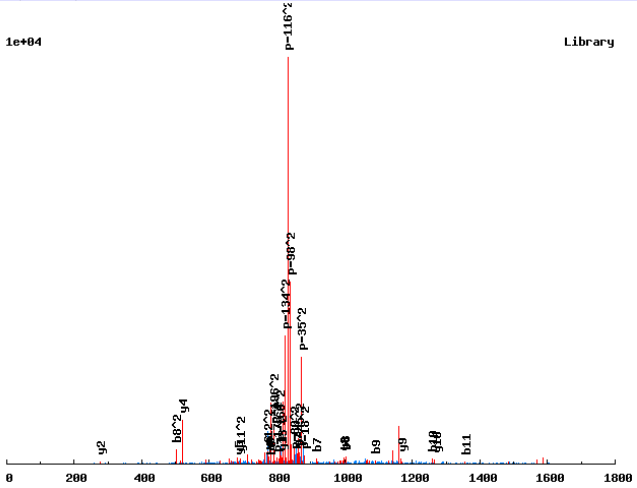


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0757	74.5415	50.0301	1	F	20			
235.1077	118.0575	79.0408	2	S	19	2188.9242	**1094.9658**	**730.3129**
334.1761	167.5917	112.0636	3	V	18	2101.8922	**1051.4497**	**701.3023**
421.2082	211.1077	141.0742	4	S	17	2002.8238	**1001.9155**	**668.2794**
588.2065	294.6069	196.7404	5	S[167]	16	1915.7918	**958.3995**	639.2688
702.2495	351.6284	**234.7547**	6	N	15	1748.7934	874.9003	583.6027
817.2764	409.1418	273.0970	7	D	14	1634.7505	**817.8789**	545.5883
904.3084	452.6579	302.1077	8	S	13	1519.7235	**760.3654**	507.2460
1032.3670	516.6871	344.7939	9	Q	12	1432.6915	716.8494	478.2354
1146.4099	573.7086	382.8082	10	N	11	1304.6329	652.8201	435.5492
1313.4083	657.2078	438.4743	11	S[167]	10	1190.5900	**595.7986**	397.5348
1426.4924	**713.7498**	476.1690	12	L	9	1023.5916	512.2995	341.8687
1562.6015	781.8044	521.5387	13	K[136]	8	**910.5076**	**455.7574**	304.1740
1676.6444	**838.8259**	559.5530	14	N	7	774.3984	387.7028	258.8043
1733.6659	**867.3366**	578.5602	15	G	6	**660.3555**	330.6814	220.7900
1848.6928	**924.8501**	616.9025	16	D	5	603.3340	302.1706	201.7829
1945.7456	973.3764	649.2534	17	P	4	**488.3071**	244.6572	163.4405
2082.8045	1041.9059	694.9397	18	H	3	391.2543	196.1308	131.0896
2181.8729	**1091.4401**	727.9625	19	V	2	254.1954	127.6013	85.4033
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.FSYNTS$_{167}$HSSS$_{167}$PFTR.N/2

0.9492

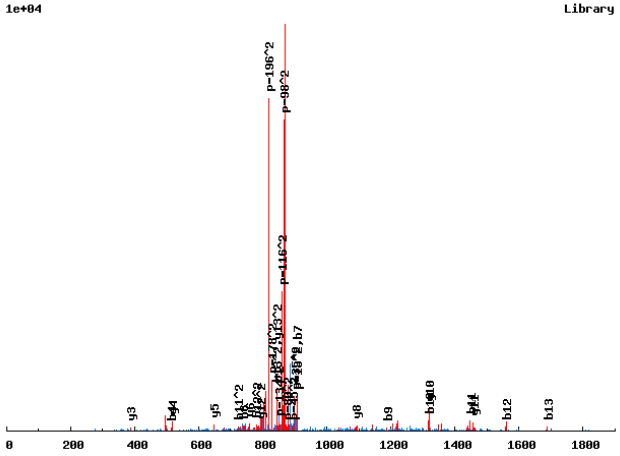


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	14		
235.1077	118.0575	2	S	13	1630.5935	**815.8004**
398.1710	199.5892	3	Y	12	1543.5614	**772.2844**
512.2140	256.6106	4	N	11	1380.4981	**690.7527**
613.2617	307.1345	5	T	10	**1266.4552**	633.7312
780.2600	390.6337	6	S[167]	9	**1165.4075**	583.2074
917.3189	459.1631	7	H	8	**998.4091**	499.7082
1004.3510	**502.6791**	8	S	7	**861.3502**	431.1788
1091.3830	546.1951	9	S	6	**774.3182**	387.6627
1258.3814	629.6943	10	S[167]	5	**687.2862**	344.1467
1355.4341	678.2207	11	P	4	**520.2878**	260.6475
1502.5025	751.7549	12	F	3	423.2350	212.1212
1603.5502	802.2787	13	T	2	**276.1666**	138.5870
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.FTKHPES$_{167}$S$_{167}$LEELQK.H/2

0.8712

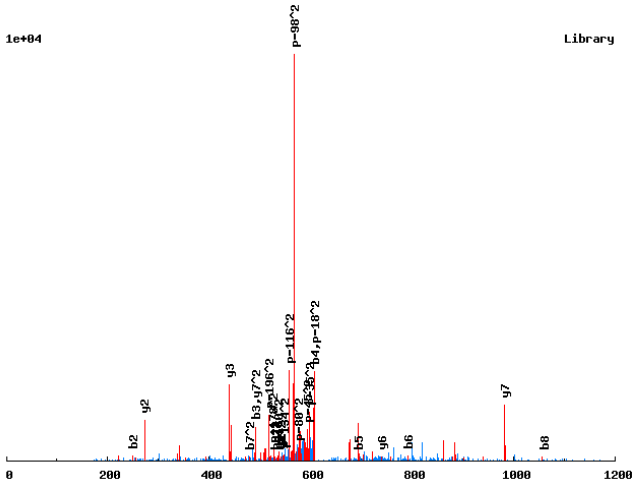


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	14		
249.1234	125.0653	2	T	13	1685.7183	**843.3628**
377.2183	189.1128	3	K	12	1584.6706	**792.8390**
514.2772	257.6423	4	H	11	**1456.5757**	728.7915
611.3300	306.1686	5	P	10	**1319.5168**	660.2620
740.3726	370.6899	6	E	9	1222.4640	611.7356
907.3710	454.1891	7	S[167]	8	**1093.4214**	547.2143
1074.3693	537.6883	8	S[167]	7	926.4230	463.7152
1187.4534	594.2303	9	L	6	**759.4247**	380.2160
1316.4960	658.7516	10	E	5	**646.3406**	323.6740
1445.5386	**723.2729**	11	E	4	**517.2980**	259.1527
1558.6226	**779.8149**	12	L	3	**388.2554**	194.6314
1686.6812	**843.8442**	13	Q	2	275.1714	138.0893
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.FTY$_{243}$NSVS$_{167}$PR.S/2

0.9845

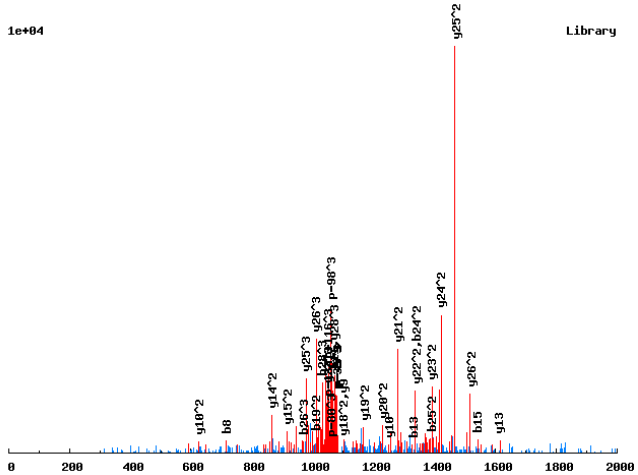


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0757	74.5415	1	F	9		
249.1234	125.0653	2	T	8	1083.3908	**542.1990**
492.1530	246.5802	3	Y[243]	7	**982.3431**	**491.6752**
606.1960	303.6016	4	N	6	**739.3134**	370.1604
693.2280	347.1176	5	S	5	625.2705	313.1389
792.2964	396.6518	6	V	4	**538.2385**	269.6229
959.2948	**480.1510**	7	S[167]	3	**439.1701**	220.0887
1056.3475	**528.6774**	8	P	2	**272.1717**	136.5895
		9	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.GAIVSGDNPEEEEDVDAS$_{167}$EFEEDEVKPVR.T/3

0.9252

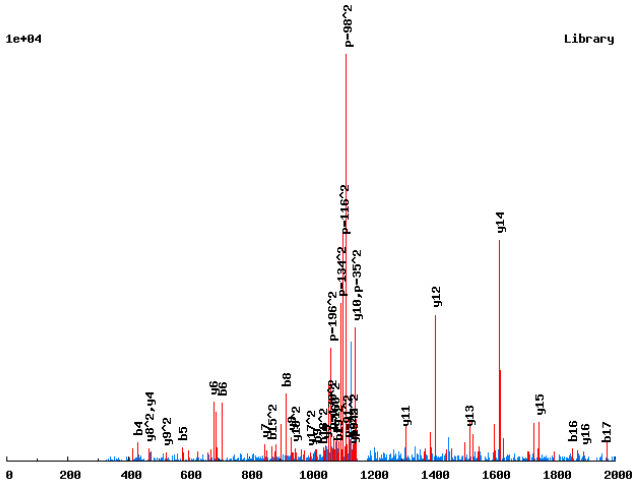


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	29			
129.0659	65.0366	43.6935	2	A	28	3213.3630	1607.1852	**1071.7925**
242.1499	121.5786	81.3882	3	I	27	3142.3259	1571.6666	**1048.1135**
341.2183	171.1128	114.4110	4	V	26	3029.2419	**1515.1246**	**1010.4188**
428.2504	214.6288	143.4216	5	S	25	2930.1734	**1465.5904**	**977.3960**
485.2718	243.1395	162.4288	6	G	24	2843.1414	**1422.0743**	948.3853
600.2988	300.6530	200.7711	7	D	23	2786.1200	**1393.5636**	929.3782
714.3417	357.6745	238.7854	8	N	22	2671.0930	**1336.0501**	891.0359
811.3944	406.2009	271.1363	9	P	21	2557.0501	**1279.0287**	853.0215
940.4370	470.7222	314.1505	10	E	20	2459.9973	**1230.5023**	820.6706
1069.4796	535.2435	357.1647	11	E	19	2330.9547	**1165.9810**	777.6564
1198.5222	599.7647	400.1789	12	E	18	2201.9121	**1101.4597**	734.6422
1327.5648	664.2860	443.1931	13	E	17	2072.8696	1036.9384	691.6280
1442.5917	721.7995	481.5354	14	D	16	1943.8270	972.4171	648.6138
1541.6602	771.3337	514.5582	15	V	15	1828.8000	**914.9037**	610.2715
1656.6871	828.8472	552.9006	16	D	14	1729.7316	**865.3694**	577.2487
1727.7242	864.3657	576.5796	17	A	13	**1614.7047**	807.8560	538.9064
1894.7226	947.8649	632.2457	18	S[167]	12	1543.6676	772.3374	515.2274
2023.7652	**1012.3862**	675.2599	19	E	11	1376.6692	688.8382	459.5613
2170.8336	1085.9204	724.2827	20	F	10	**1247.6266**	**624.3169**	416.5471
2299.8762	1150.4417	767.2969	21	E	9	**1100.5582**	550.7827	367.5243
2428.9187	1214.9630	810.3111	22	E	8	971.5156	486.2614	324.5101
2543.9457	1272.4765	848.6534	23	D	7	842.4730	421.7402	281.4959
2672.9883	**1336.9978**	891.6676	24	E	6	727.4461	364.2267	243.1535
2772.0567	**1386.5320**	924.6904	25	V	5	598.4035	299.7054	200.1394
2900.1516	1450.5795	**967.3887**	26	K	4	499.3351	250.1712	167.1165
2997.2044	1499.1058	999.7397	27	P	3	371.2401	186.1237	124.4182
3096.2728	1548.6400	**1032.7625**	28	V	2	274.1874	137.5973	92.0673
			29	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.GC$_{160}$LTFEPNPS$_{167}$PNSS$_{167}$PDLLSK$_{136}$.N/2

0.991

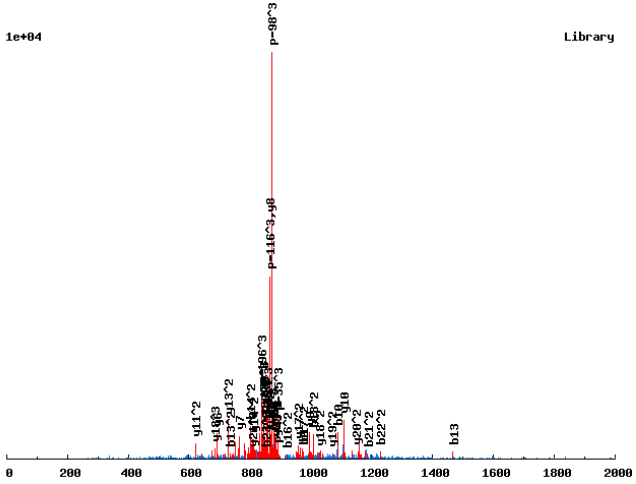


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	20		
218.0594	109.5333	2	C[160]	19	2270.9531	**1135.9802**
331.1435	166.0754	3	L	18	2110.9225	1055.9649
432.1911	216.5992	4	T	17	1997.8384	**999.4229**
579.2595	290.1334	5	F	16	**1896.7907**	**948.8990**
708.3021	354.6547	6	E	15	**1749.7223**	875.3648
805.3549	403.1811	7	P	14	**1620.6797**	810.8435
919.3978	460.2026	8	N	13	**1523.6270**	762.3171
1016.4506	508.7289	9	P	12	**1409.5841**	705.2957
1183.4489	592.2281	10	S[167]	11	**1312.5313**	656.7693
1280.5017	640.7545	11	P	10	**1145.5329**	573.2701
1394.5446	697.7760	12	N	9	**1048.4802**	**524.7437**
1481.5767	741.2920	13	S	8	**934.4372**	**467.7223**
1648.5750	824.7912	14	S[167]	7	**847.4052**	424.2062
1745.6278	**873.3175**	15	P	6	**680.4068**	340.7071
1860.6547	930.8310	16	D	5	583.3541	292.1807
1973.7388	987.3730	17	L	4	**468.3271**	234.6672
2086.8228	**1043.9151**	18	L	3	355.2431	178.1252
2173.8549	**1087.4311**	19	S	2	242.1590	121.5832
		20	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GDNNS$_{167}$SHSPIS$_{167}$PLK$_{136}$IETAPQESPK$_{136}$.F/3

0.997

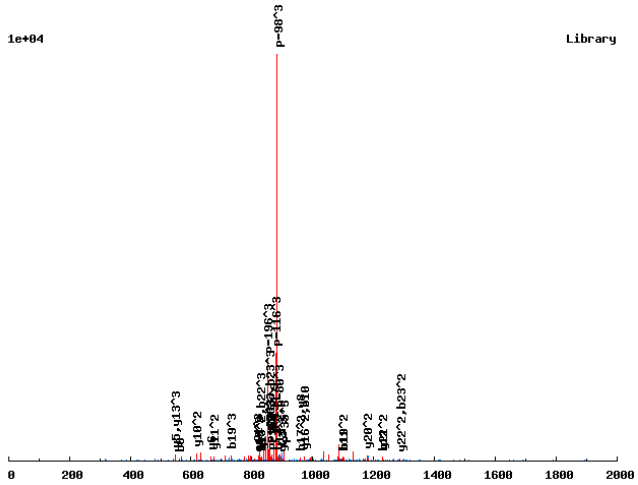


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	24			
173.0557	87.0315	58.3567	2	D	23	2652.1924	1326.5999	**884.7357**
287.0986	144.0529	96.3711	3	N	22	2537.1655	1269.0864	**846.3934**
401.1415	201.0744	134.3854	4	N	21	2423.1226	1212.0649	**808.3790**
568.1399	284.5736	190.0515	5	S[167]	20	2309.0796	**1155.0435**	770.3647
655.1719	328.0896	219.0622	6	S	19	2142.0813	**1071.5443**	714.6986
792.2308	396.6191	264.7485	7	H	18	2055.0493	**1028.0283**	**685.6879**
879.2629	440.1351	293.7591	8	S	17	1917.9903	**959.4988**	640.0016
976.3156	488.6615	326.1101	9	P	16	1830.9583	915.9828	610.9910
1089.3997	545.2035	363.8048	10	I	15	1733.9056	**867.4564**	578.6400
1256.3981	628.7027	419.4709	11	S[167]	14	1620.8215	**810.9144**	540.9454
1353.4508	677.2290	451.8218	12	P	13	1453.8231	**727.4152**	485.2792
1466.5349	**733.7711**	489.5165	13	L	12	1356.7704	678.8888	452.9283
1602.6440	**801.8257**	534.8862	14	K[136]	11	1243.6863	**622.3468**	415.2336
1715.7281	**858.3677**	572.5809	15	I	10	**1107.5772**	554.2922	369.8639
1844.7707	**922.8890**	615.5951	16	E	9	**994.4931**	497.7502	332.1692
1945.8184	**973.4128**	649.2776	17	T	8	**865.4505**	433.2289	289.1550
2016.8555	**1008.9314**	672.9567	18	A	7	**764.4028**	382.7051	255.4725
2113.9082	1057.4578	705.3076	19	P	6	**693.3657**	347.1865	231.7934
2241.9668	1121.4870	747.9938	20	Q	5	596.3130	298.6601	199.4425
2371.0094	**1186.0083**	791.0080	21	E	4	468.2544	234.6308	156.7563
2458.0414	**1229.5244**	820.0187	22	S	3	339.2118	170.1095	113.7421
2555.0942	1278.0507	**852.3696**	23	P	2	252.1798	126.5935	84.7314
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.GDNTGDQNAVEKS$_{167}$DFEKS$_{167}$DTEGSR.I/3

0.9998

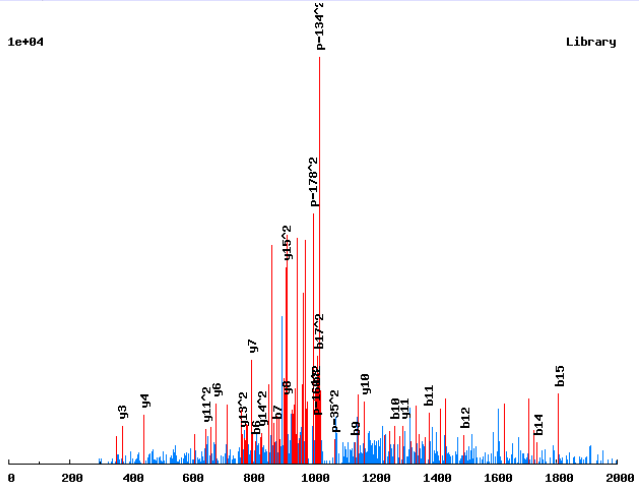


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	24			
173.0557	87.0315	58.3567	2	D	23	2689.0298	1345.0185	**897.0148**
287.0986	144.0529	96.3711	3	N	22	2574.0029	**1287.5051**	**858.6725**
388.1463	194.5768	130.0536	4	T	21	2459.9599	**1230.4836**	**820.6582**
445.1677	223.0875	149.0608	5	G	20	2358.9123	**1179.9598**	786.9756
560.1947	280.6010	187.4031	6	D	19	2301.8908	1151.4490	767.9685
688.2533	344.6303	230.0893	7	Q	18	2186.8639	1093.9356	729.6261
802.2962	401.6517	268.1036	8	N	17	2058.8053	1029.9063	686.9399
873.3333	437.1703	291.7826	9	A	16	1944.7623	**972.8848**	648.9256
972.4017	486.7045	324.8054	10	V	15	1873.7252	937.3663	625.2466
1101.4443	551.2258	367.8196	11	E	14	1774.6568	**887.8321**	592.2238
1229.5393	615.2733	410.5179	12	K	13	1645.6142	**823.3108**	**549.2096**
1396.5376	698.7725	466.1841	13	S[167]	12	1517.5193	759.2633	506.5113
1511.5646	756.2859	504.5264	14	D	11	1350.5209	**675.7641**	450.8452
1658.6330	**829.8201**	553.5492	15	F	10	1235.4940	**618.2506**	412.5028
1787.6756	894.3414	596.5634	16	E	9	1088.4256	544.7164	363.4800
1915.7705	**958.3889**	639.2617	17	K	8	**959.3830**	480.1951	320.4658
2082.7689	1041.8881	694.9278	18	S[167]	7	**831.2880**	416.1476	277.7675
2197.7958	**1099.4016**	**733.2701**	19	D	6	**664.2897**	332.6485	222.1014
2298.8435	1149.9254	766.9527	20	T	5	**549.2627**	275.1350	183.7591
2427.8861	1214.4467	809.9669	21	E	4	448.2150	224.6112	150.0765
2484.9076	1242.9574	**828.9740**	22	G	3	319.1724	160.0899	107.0623
2571.9396	**1286.4734**	**857.9847**	23	S	2	262.1510	131.5791	88.0552
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.GES$_{167}$YQS$_{167}$AEQEIDHTAPEK.S/2

0.9593

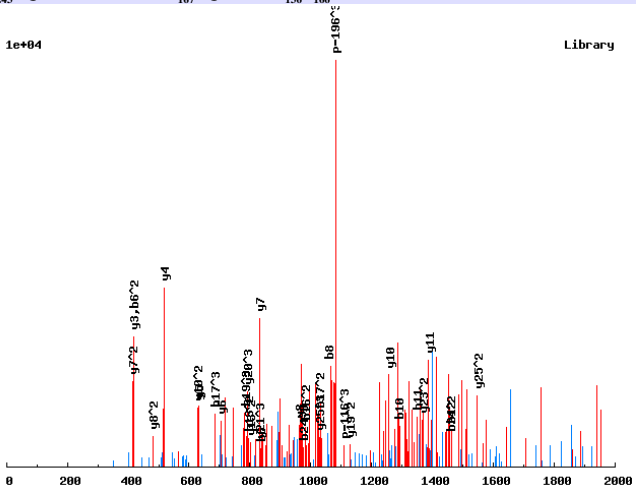


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	18		
187.0713	94.0393	2	E	17	2121.8049	1061.4061
354.0697	177.5385	3	S[167]	16	1992.7624	996.8848
517.1330	259.0702	4	Y	15	1825.7640	**913.3856**
645.1916	323.0994	5	Q	14	1662.7007	**831.8540**
812.1900	406.5986	6	S[167]	13	1534.6421	**767.8247**
883.2271	442.1172	7	A	12	1367.6437	684.3255
1012.2697	506.6385	8	E	11	**1296.6066**	**648.8069**
1140.3282	570.6678	9	Q	10	**1167.5640**	584.2857
1269.3708	635.1891	10	E	9	1039.5054	520.2564
1382.4549	691.7311	11	I	8	**910.4629**	455.7351
1497.4818	749.2446	12	D	7	**797.3788**	399.1930
1634.5407	817.7740	13	H	6	**682.3519**	341.6796
1735.5884	868.2979	14	T	5	545.2929	273.1501
1806.6255	903.8164	15	A	4	**444.2453**	222.6263
1903.6783	952.3428	16	P	3	**373.2081**	187.1077
2032.7209	**1016.8641**	17	E	2	276.1554	138.5813
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.GEYY$_{243}$NQDNNDGLEEDESES$_{167}$EQEADVPK$_{136}$R$_{166}$.S/3

0.9917

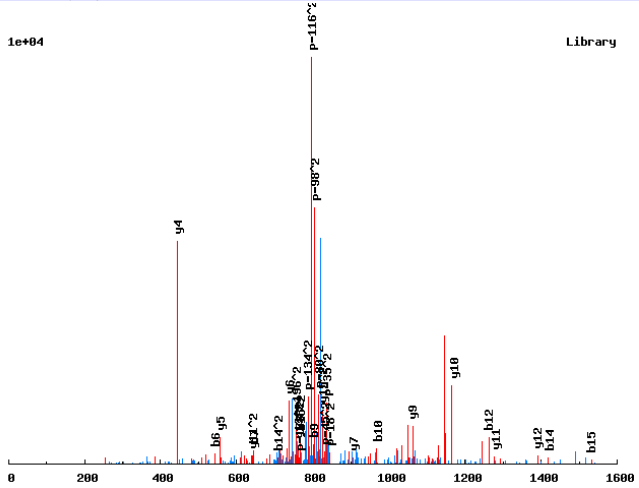


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	28			
187.0713	94.0393	63.0286	2	E	27	3380.2754	1690.6413	1127.4300
350.1347	175.5710	117.3831	3	Y	26	3251.2328	1626.1200	1084.4158
593.1643	297.0858	198.3930	4	Y[243]	25	3088.1695	**1544.5884**	**1030.0613**
707.2073	354.1073	236.4073	5	N	24	2845.1398	1423.0735	949.0515
835.2658	**418.1366**	279.0935	6	Q	23	2731.0969	**1366.0521**	911.0371
950.2928	475.6500	317.4358	7	D	22	2603.0383	1302.0228	868.3510
1064.3357	532.6715	355.4501	8	N	21	2488.0114	1244.5093	**830.0086**
1178.3786	589.6930	393.4644	9	N	20	2373.9684	1187.4879	**791.9943**
1293.4056	647.2064	431.8067	10	D	19	2259.9255	**1130.4664**	753.9800
1350.4270	675.7172	450.8139	11	G	18	2144.8986	1072.9529	715.6377
1463.5111	732.2592	488.5086	12	L	17	2087.8771	1044.4422	696.6306
1592.5537	**796.7805**	531.5227	13	E	16	1974.7930	987.9002	658.9359
1721.5963	861.3018	574.5369	14	E	15	1845.7505	923.3789	615.9217
1836.6232	918.8152	612.8793	15	D	14	1716.7079	858.8576	572.9075
1965.6658	**983.3365**	655.8935	16	E	13	1601.6809	**801.3441**	534.5652
2052.6978	**1026.8526**	**684.9041**	17	S	12	1472.6383	736.8228	491.5510
2181.7404	1091.3739	727.9183	18	E	11	**1385.6063**	693.3068	462.5403
2348.7388	1174.8730	**783.5844**	19	S[167]	10	**1256.5637**	**628.7855**	419.5261
2477.7814	1239.3943	826.5986	20	E	9	1089.5654	545.2863	363.8600
2605.8400	1303.4236	869.2848	21	Q	8	**960.5228**	**480.7650**	320.8458
2734.8825	1367.9449	912.2990	22	E	7	**832.4642**	**416.7357**	278.1596
2805.9197	1403.4635	935.9781	23	A	6	**703.4216**	352.2144	235.1454
2920.9466	**1460.9769**	**974.3204**	24	D	5	**632.3845**	316.6959	211.4663
3020.0150	1510.5111	1007.3432	25	V	4	**517.3575**	259.1824	173.1240
3117.0678	1559.0375	1039.6941	26	P	3	**418.2891**	209.6482	140.1012
3253.1769	1627.0921	1085.0638	27	K[136]	2	321.2364	161.1218	107.7503
			28	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.GGAENNTSAS$_{167}$T$_{181}$LPGDR.T/2

0.9921

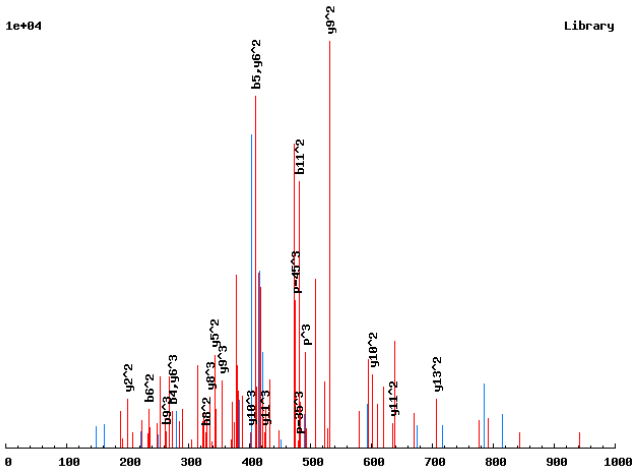


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	16		
115.0502	58.0287	2	G	15	1649.6204	**825.3138**
186.0873	93.5473	3	A	14	1592.5989	**796.8031**
315.1299	158.0686	4	E	13	1521.5618	**761.2845**
429.1728	215.0901	5	N	12	**1392.5192**	696.7633
543.2158	272.1115	6	N	11	**1278.4763**	**639.7418**
644.2634	322.6354	7	T	10	**1164.4334**	582.7203
731.2955	366.1514	8	S	9	**1063.3857**	532.1965
802.3326	401.6699	9	A	8	976.3537	488.6805
969.3309	485.1691	10	S[167]	7	**905.3165**	453.1619
1150.3450	575.6761	11	T[181]	6	**738.3182**	369.6627
1263.4290	632.2181	12	L	5	**557.3042**	279.1557
1360.4818	680.7445	13	P	4	**444.2201**	222.6137
1417.5032	**709.2553**	14	G	3	347.1673	174.0873
1532.5302	**766.7687**	15	D	2	290.1459	145.5766
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.GGSAK$_{136}$GDAK$_{136}$GDIY$_{243}$K$_{136}$.I/3

0.636

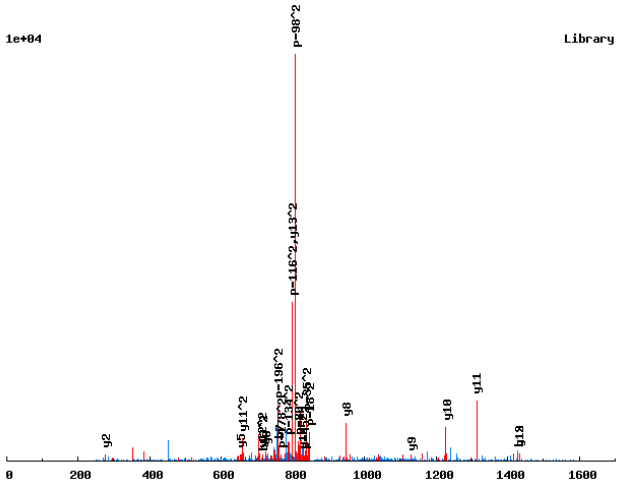


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	14			
115.0502	58.0287	39.0216	2	G	13	1413.6835	**707.3454**	471.8994
202.0822	101.5448	68.0323	3	S	12	1356.6621	678.8347	452.8922
273.1193	137.0633	91.7113	4	A	11	1269.6301	**635.3187**	**423.8815**
409.2285	205.1179	137.0810	5	K[136]	10	1198.5929	**599.8001**	**400.2025**
466.2500	**233.6286**	156.0882	6	G	9	1062.4838	**531.7455**	**354.8328**
581.2769	291.1421	194.4305	7	D	8	1005.4623	503.2348	**335.8256**
652.3140	**326.6606**	218.1095	8	A	7	890.4354	445.7213	297.4833
788.4232	394.7152	**263.4792**	9	K[136]	6	819.3983	**410.2028**	**273.8043**
845.4446	423.2260	282.4864	10	G	5	683.2891	**342.1482**	228.4346
960.4716	**480.7394**	320.8287	11	D	4	626.2677	313.6375	209.4274
1073.5556	537.2815	358.5234	12	I	3	511.2407	256.1240	171.0851
1316.5853	658.7963	439.5333	13	Y[243]	2	398.1567	**199.5820**	133.3904
			14	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.GGS$_{167}$LSPT$_{181}$PEAFNDTR.V/2

0.8815

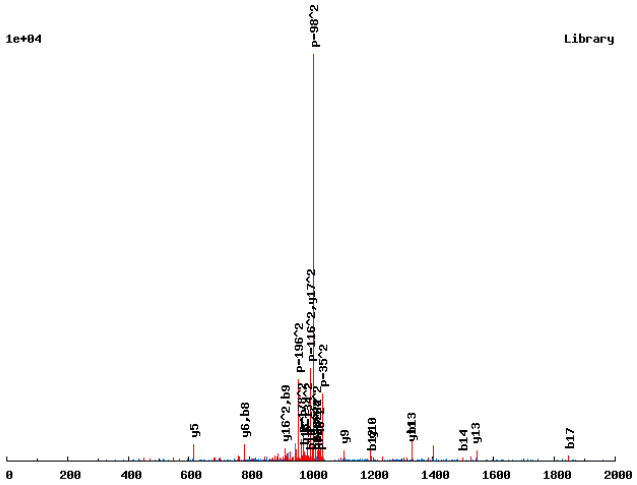


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	15		
115.0502	58.0287	2	G	14	1651.6401	**826.3237**
282.0486	141.5279	3	S[167]	13	1594.6186	**797.8129**
395.1326	198.0700	4	L	12	**1427.6202**	**714.3138**
482.1647	241.5860	5	S	11	**1314.5362**	**657.7717**
579.2174	290.1123	6	P	10	**1227.5041**	614.2557
760.2314	380.6194	7	T[181]	9	**1130.4514**	565.7293
857.2842	429.1457	8	P	8	**949.4374**	475.2223
986.3268	493.6670	9	E	7	852.3846	426.6959
1057.3639	529.1856	10	A	6	**723.3420**	362.1747
1204.4323	602.7198	11	F	5	**652.3049**	326.6561
1318.4752	659.7413	12	N	4	505.2365	253.1219
1433.5022	**717.2547**	13	D	3	391.1936	196.1004
1534.5498	767.7786	14	T	2	**276.1666**	138.5870
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.GGS$_{167}$SLSPDK$_{136}$SSLES$_{167}$PTM$_{147}$LK$_{136}$.L/2

0.9994

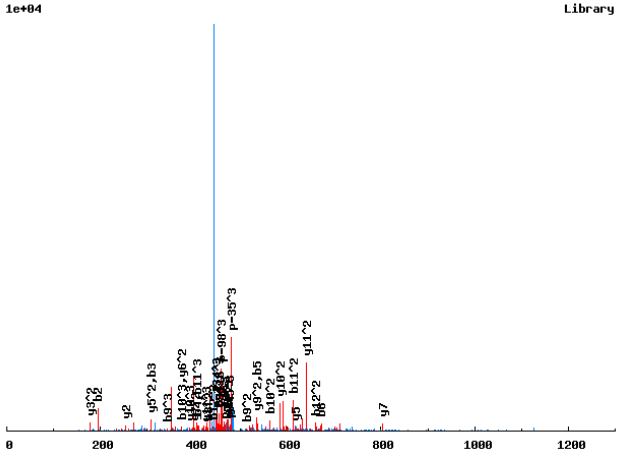


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	19		
115.0502	58.0287	2	G	18	2055.8928	1028.4500
282.0486	141.5279	3	S[167]	17	1998.8713	**999.9393**
369.0806	185.0439	4	S	16	1831.8729	**916.4401**
482.1647	241.5860	5	L	15	1744.8409	872.9241
569.1967	285.1020	6	S	14	1631.7569	816.3821
666.2494	333.6284	7	P	13	**1544.7248**	772.8661
781.2764	391.1418	8	D	12	1447.6721	724.3397
917.3855	459.1964	9	K[136]	11	**1332.6451**	666.8262
1004.4176	502.7124	10	S	10	**1196.5360**	598.7716
1091.4496	546.2284	11	S	9	**1109.5039**	555.2556
1204.5337	602.7705	12	L	8	**1022.4719**	511.7396
1333.5762	667.2918	13	E	7	909.3879	455.1976
1500.5746	750.7909	14	S[167]	6	**780.3453**	390.6763
1597.6274	799.3173	15	P	5	**613.3469**	307.1771
1698.6751	849.8412	16	T	4	516.2941	258.6507
1845.7105	923.3589	17	M[147]	3	415.2465	208.1269
1958.7945	**979.9009**	18	L	2	268.2111	134.6092
		19	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GHIVEK$_{136}$GES$_{167}$PVVK$_{136}$.N/3

0.859

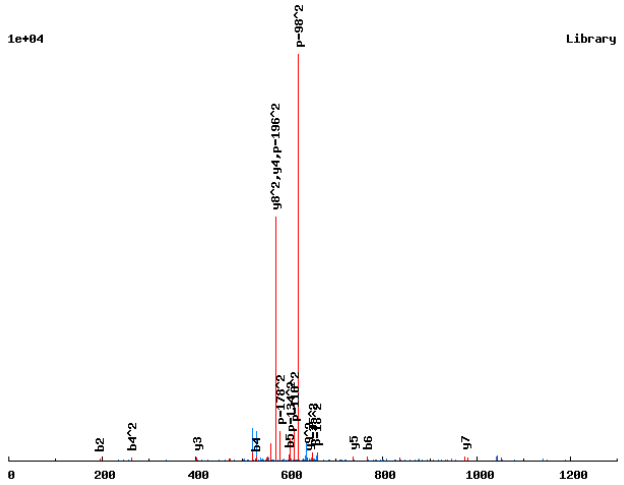


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	13			
195.0876	98.0475	65.7007	2	H	12	1417.7421	709.3747	**473.2522**
308.1717	154.5895	103.3954	3	I	11	1280.6832	**640.8452**	**427.5659**
407.2401	204.1237	136.4182	4	V	10	1167.5991	**584.3032**	**389.8712**
536.2827	268.6450	179.4324	5	E	9	1068.5307	**534.7690**	356.8484
672.3919	336.6996	224.8021	6	K[136]	8	939.4881	**470.2477**	313.8342
729.4133	365.2103	243.8093	7	G	7	**803.3790**	**402.1931**	268.4645
858.4559	**429.7316**	286.8235	8	E	6	746.3575	**373.6824**	249.4574
1025.4543	**513.2308**	**342.4896**	9	S[167]	5	**617.3149**	**309.1611**	206.4432
1122.5070	**561.7572**	**374.8405**	10	P	4	**450.3166**	225.6619	150.7770
1221.5755	**611.2914**	**407.8633**	11	V	3	353.2638	**177.1355**	118.4261
1320.6439	**660.8256**	**440.8861**	12	V	2	**254.1954**	127.6013	85.4033
			13	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.GHS$_{167}$R$_{166}$AS$_{167}$S$_{167}$FAR$_{166}$.T/2

0.9984

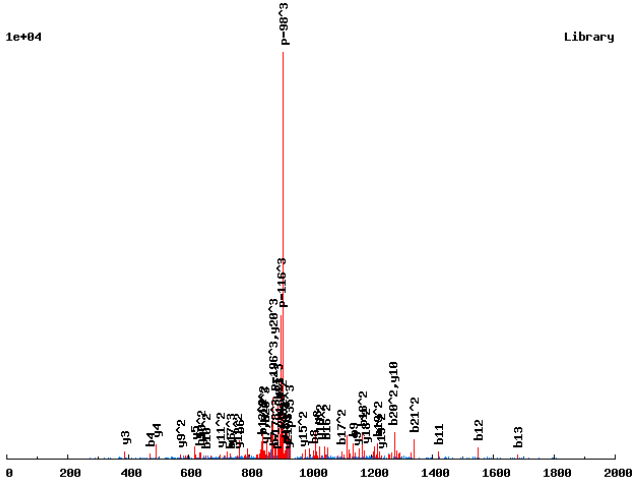


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	10		
195.0876	98.0475	2	H	9	1278.4332	**639.7203**
362.0860	181.5466	3	S[167]	8	1141.3743	**571.1908**
528.1954	**264.6013**	4	R[166]	7	**974.3760**	487.6916
599.2325	300.1199	5	A	6	808.2666	404.6369
766.2309	383.6191	6	S[167]	5	**737.2295**	369.1184
933.2292	467.1183	7	S[167]	4	**570.2311**	285.6192
1080.2976	540.6525	8	F	3	**403.2327**	202.1200
1151.3347	576.1710	9	A	2	256.1643	128.5858
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.GHYDYEDEES$_{167}$DEEES$_{167}$DDETNQK.S/3

1

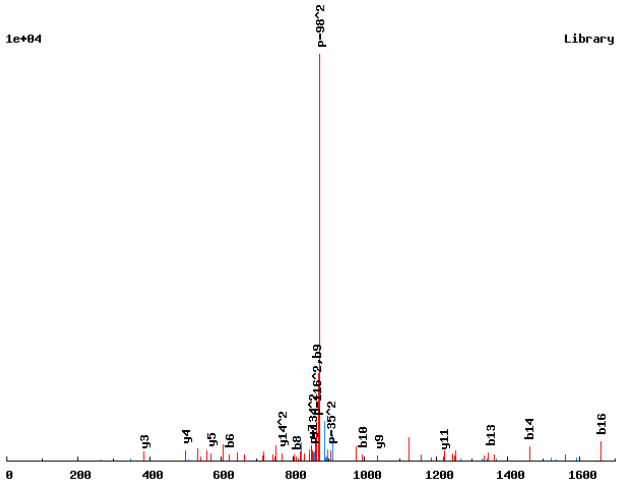


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	22			
195.0876	98.0475	65.7007	2	H	21	2765.8771	1383.4422	**922.6306**
358.1510	179.5791	120.0552	3	Y	20	2628.8182	1314.9127	**876.9443**
473.1779	237.0926	158.3975	4	D	19	2465.7549	**1233.3811**	822.5898
636.2413	318.6243	212.7519	5	Y	18	2350.7279	**1175.8676**	784.2475
765.2838	383.1456	255.7661	6	E	17	2187.6646	1094.3359	729.8931
880.3108	440.6590	294.1084	7	D	16	2058.6220	**1029.8146**	686.8789
1009.3534	505.1803	337.1226	8	E	15	1943.5951	**972.3012**	648.5365
1138.3960	569.7016	380.1368	9	E	14	1814.5525	**907.7799**	605.5223
1305.3943	**653.2008**	435.8030	10	S[167]	13	1685.5099	**843.2586**	562.5082
1420.4213	710.7143	474.1453	11	D	12	1518.5115	**759.7594**	506.8420
1549.4639	775.2356	517.1595	12	E	11	1403.4846	**702.2459**	468.4997
1678.5064	**839.7569**	560.1737	13	E	10	**1274.4420**	**637.7246**	425.4855
1807.5490	**904.2782**	603.1879	14	E	9	**1145.3994**	**573.2033**	382.4713
1974.5474	987.7773	658.8540	15	S[167]	8	**1016.3568**	508.6821	339.4571
2089.5743	**1045.2908**	697.1963	16	D	7	**849.3585**	425.1829	283.7910
2204.6013	**1102.8043**	**735.5386**	17	D	6	**734.3315**	367.6694	245.4487
2333.6439	**1167.3256**	778.5528	18	E	5	**619.3046**	310.1559	207.1064
2434.6915	**1217.8494**	812.2354	19	T	4	**490.2620**	245.6346	164.0922
2548.7345	**1274.8709**	**850.2497**	20	N	3	**389.2143**	195.1108	130.4096
2676.7931	**1338.9002**	**892.9359**	21	Q	2	275.1714	138.0893	92.3953
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.GK$_{136}$DNAEGQGES$_{167}$LADQAR$_{166}$.D/2

0.8439

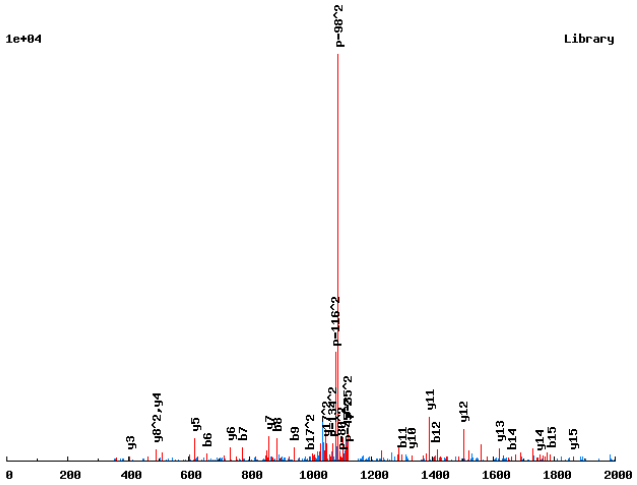


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	17		
194.1379	97.5726	2	K[136]	16	1786.7722	893.8897
309.1648	155.0861	3	D	15	1650.6630	825.8352
423.2078	212.1075	4	N	14	1535.6361	**768.3217**
494.2449	247.6261	5	A	13	1421.5932	711.3002
623.2875	312.1474	6	E	12	1350.5561	675.7817
680.3089	340.6581	7	G	11	**1221.5135**	611.2604
808.3675	404.6874	8	Q	10	1164.4920	582.7496
865.3890	433.1981	9	G	9	**1036.4334**	518.7204
994.4316	497.7194	10	E	8	979.4120	490.2096
1161.4299	581.2186	11	S[167]	7	**850.3694**	425.6883
1274.5140	637.7606	12	L	6	683.3710	342.1891
1345.5511	673.2792	13	A	5	**570.2870**	285.6471
1460.5780	730.7927	14	D	4	**499.2498**	250.1286
1588.6366	794.8219	15	Q	3	**384.2229**	192.6151
1659.6737	830.3405	16	A	2	256.1643	128.5858
		17	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.GLDEDEDDGWS$_{167}$DEDESNNR.V/2

1

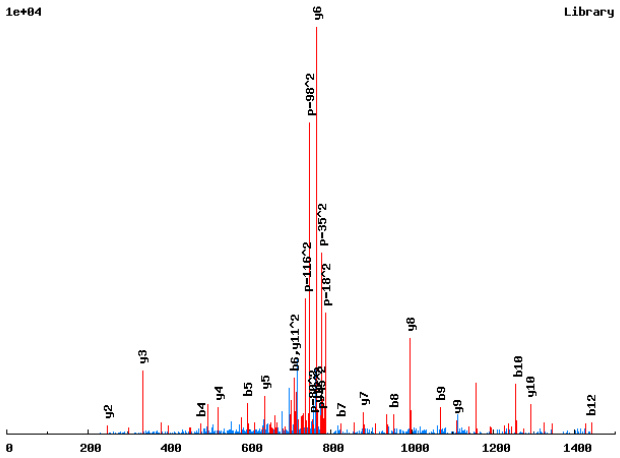


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	19		
171.1128	86.0600	2	L	18	2219.7520	1110.3797
286.1397	143.5735	3	D	17	2106.6680	**1053.8376**
415.1823	208.0948	4	E	16	1991.6410	996.3242
530.2093	265.6083	5	D	15	**1862.5984**	931.8029
659.2519	330.1296	6	E	14	**1747.5715**	874.2894
774.2788	387.6430	7	D	13	**1618.5289**	809.7681
889.3057	445.1565	8	D	12	**1503.5020**	752.2546
946.3272	473.6672	9	G	11	**1388.4750**	694.7412
1132.4065	566.7069	10	W	10	**1331.4536**	666.2304
1299.4049	650.2061	11	S[167]	9	1145.3743	573.1908
1414.4318	707.7195	12	D	8	978.3759	**489.6916**
1543.4744	772.2408	13	E	7	**863.3490**	432.1781
1658.5013	829.7543	14	D	6	**734.3064**	367.6568
1787.5439	894.2756	15	E	5	**619.2794**	310.1434
1874.5760	937.7916	16	S	4	**490.2368**	245.6221
1988.6189	**994.8131**	17	N	3	**403.2048**	202.1060
2102.6618	1051.8346	18	N	2	289.1619	145.0846
		19	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.GLQT$_{181}$DDDEDWSTK.A/2

0.9999

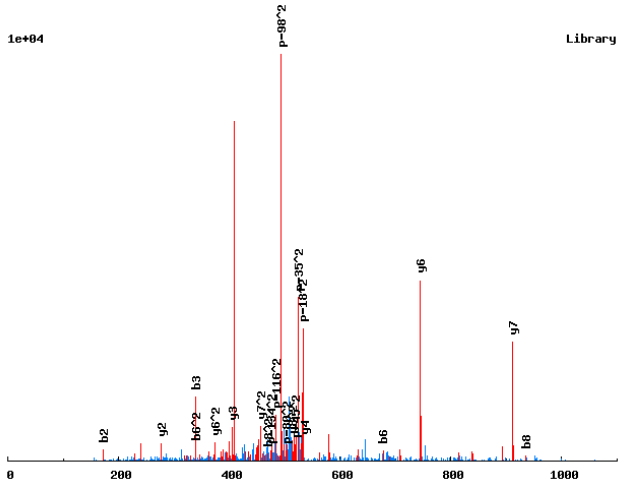


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	13		
171.1128	86.0600	2	L	12	1532.5788	**766.7931**
299.1714	150.0893	3	Q	11	1419.4948	**710.2510**
480.1854	240.5963	4	T[181]	10	**1291.4362**	646.2217
595.2123	298.1098	5	D	9	**1110.4222**	555.7147
710.2393	355.6233	6	D	8	**995.3952**	498.2013
825.2662	413.1367	7	D	7	**880.3683**	440.6878
954.3088	477.6580	8	E	6	**765.3414**	383.1743
1069.3357	535.1715	9	D	5	**636.2988**	318.6530
1255.4151	628.2112	10	W	4	**521.2718**	261.1396
1342.4471	671.7272	11	S	3	**335.1925**	168.0999
1443.4948	722.2510	12	T	2	**248.1605**	124.5839
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.GLS$_{167}$PLEEEK.L/2

0.7957

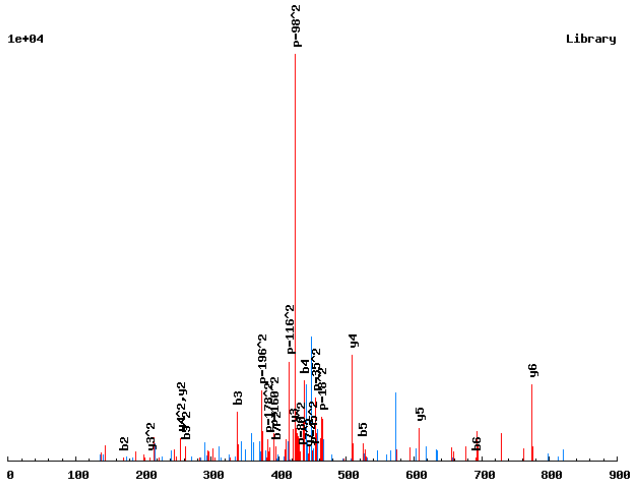


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	9		
171.1128	86.0600	2	L	8	1024.4598	**512.7335**
338.1112	169.5592	3	S[167]	7	**911.3758**	**456.1915**
435.1639	218.0856	4	P	6	**744.3774**	**372.6923**
548.2480	274.6276	5	L	5	647.3246	324.1660
677.2906	**339.1489**	6	E	4	**534.2406**	267.6239
806.3332	403.6702	7	E	3	**405.1980**	203.1026
935.3758	**468.1915**	8	E	2	**276.1554**	138.5813
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.GLS$_{167}$VSS$_{167}$VK$_{136}$.S/2

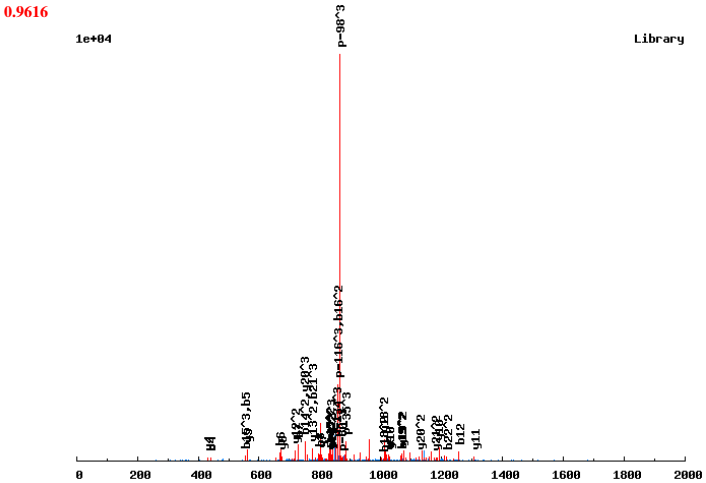
0.9788



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	8		
171.1128	86.0600	2	L	7	887.3766	**444.1920**
338.1112	169.5592	3	S[167]	6	**774.2926**	387.6499
437.1796	219.0934	4	V	5	**607.2942**	304.1507
524.2116	**262.6094**	5	S	4	**508.2258**	**254.6165**
691.2100	346.1086	6	S[167]	3	**421.1938**	**211.1005**
790.2784	**395.6428**	7	V	2	**254.1954**	127.6013
		8	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GMHDNNGADLDDKDYGS$_{167}$EDEAVSR.S/3

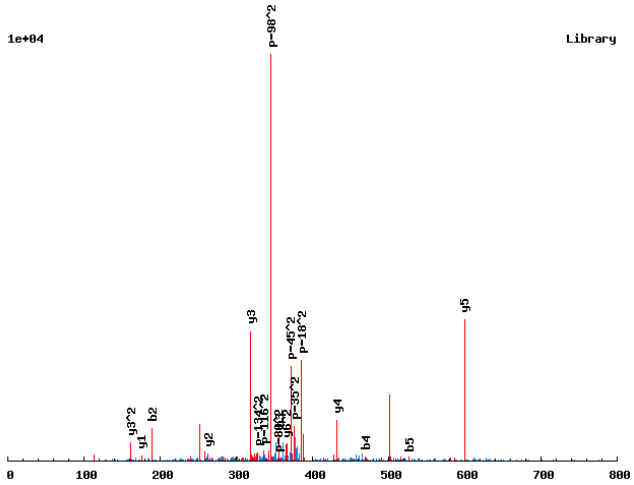


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	24			
189.0692	95.0383	63.6946	2	M	23	2633.0093	1317.0083	878.3413
326.1281	163.5677	109.3809	3	H	22	2501.9688	1251.4881	**834.6611**
441.1551	221.0812	147.7232	4	D	21	2364.9099	**1182.9586**	788.9748
555.1980	278.1026	185.7375	5	N	20	2249.8830	**1125.4451**	**750.6325**
669.2409	335.1241	223.7518	6	N	19	2135.8401	**1068.4237**	712.6182
726.2624	363.6348	242.7590	7	G	18	2021.7971	**1011.4022**	674.6039
797.2995	399.1534	266.4380	8	A	17	1964.7757	982.8915	655.5967
912.3264	456.6669	304.7803	9	D	16	1893.7386	947.3729	631.9177
1025.4105	513.2089	342.4750	10	L	15	1778.7116	889.8594	593.5754
1140.4374	570.7224	380.8173	11	D	14	1665.6276	**833.3174**	555.8807
1255.4644	628.2358	419.1596	12	D	13	1550.6006	**775.8039**	517.5384
1383.5593	692.2833	461.8580	13	K	12	1435.5737	**718.2905**	479.1961
1498.5863	**749.7968**	500.2003	14	D	11	**1307.4787**	654.2430	436.4978
1661.6496	**831.3284**	**554.5547**	15	Y	10	**1192.4518**	596.7295	398.1554
1718.6711	**859.8392**	573.5619	16	G	9	**1029.3884**	515.1979	343.8010
1885.6694	943.3384	629.2280	17	S[167]	8	972.3670	486.6871	324.7938
2014.7120	**1007.8597**	672.2422	18	E	7	**805.3686**	403.1880	269.1277
2129.7390	**1065.3731**	710.5845	19	D	6	**676.3260**	338.6667	226.1135
2258.7816	1129.8944	753.5987	20	E	5	**561.2991**	281.1532	187.7712
2329.8187	1165.4130	**777.2777**	21	A	4	**432.2565**	216.6319	144.7570
2428.8871	**1214.9472**	810.3005	22	V	3	361.2194	181.1133	121.0780
2515.9191	1258.4632	**839.3112**	23	S	2	262.1510	131.5791	88.0552
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.GMS$_{167}$LGSR.S/2

0.9952

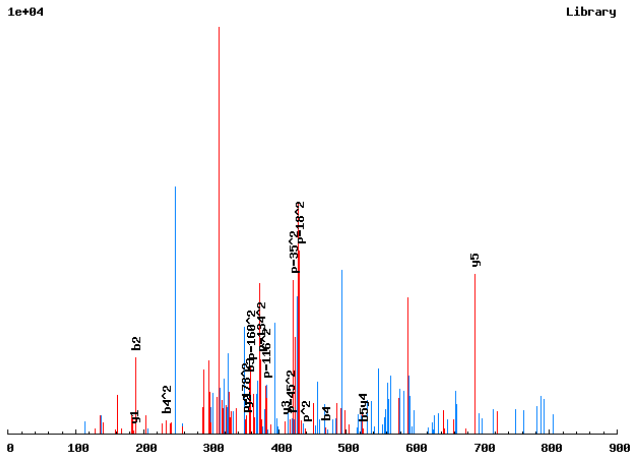


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	7		
189.0692	95.0383	2	M	6	730.2954	**365.6513**
356.0676	178.5374	3	S[167]	5	**599.2549**	300.1311
469.1517	235.0795	4	L	4	**432.2565**	216.6319
526.1731	263.5902	5	G	3	**319.1724**	**160.0899**
613.2051	307.1062	6	S	2	**262.1510**	131.5791
		7	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.GMS$_{167}$LGS$_{167}$R$_{166}$.S/2

0.6337

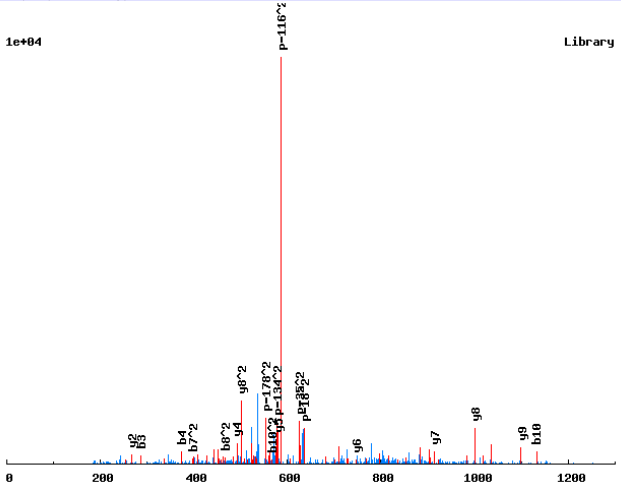


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	7		
189.0692	95.0383	2	M	6	820.2700	410.6386
356.0676	178.5374	3	S[167]	5	**689.2295**	345.1184
469.1517	**235.0795**	4	L	4	**522.2311**	261.6192
526.1731	263.5902	5	G	3	**409.1470**	205.0772
693.1715	347.0894	6	S[167]	2	**352.1256**	176.5664
		7	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.GMVSS$_{167}$S$_{167}$SHSLK$_{136}$.H/2

0.685

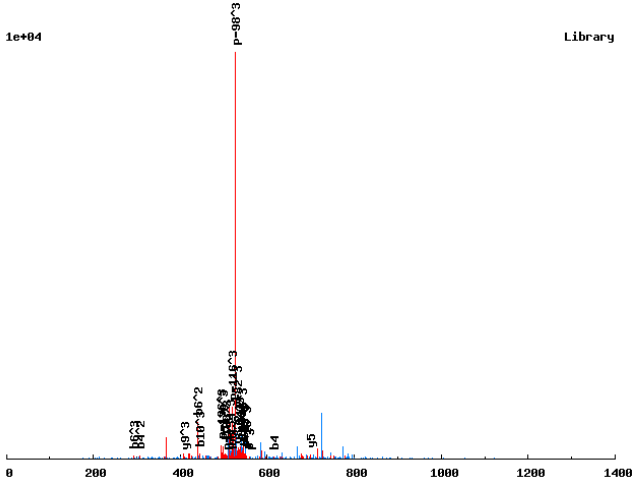


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	11		
189.0692	95.0383	2	M	10	1230.4717	615.7395
288.1376	144.5725	3	V	9	**1099.4312**	550.2192
375.1697	188.0885	4	S	8	**1000.3628**	**500.6850**
542.1680	271.5877	5	S[167]	7	**913.3308**	457.1690
709.1664	355.0868	6	S[167]	6	**746.3324**	373.6698
796.1984	**398.6029**	7	S	5	**579.3340**	290.1707
933.2573	**467.1323**	8	H	4	**492.3020**	246.6546
1020.2894	510.6483	9	S	3	355.2431	178.1252
1133.3734	**567.1904**	10	L	2	**268.2111**	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GM$_{147}$Y$_{243}$S$_{167}$S$_{167}$PPGY$_{243}$GS$_{167}$R.V/3

0.588

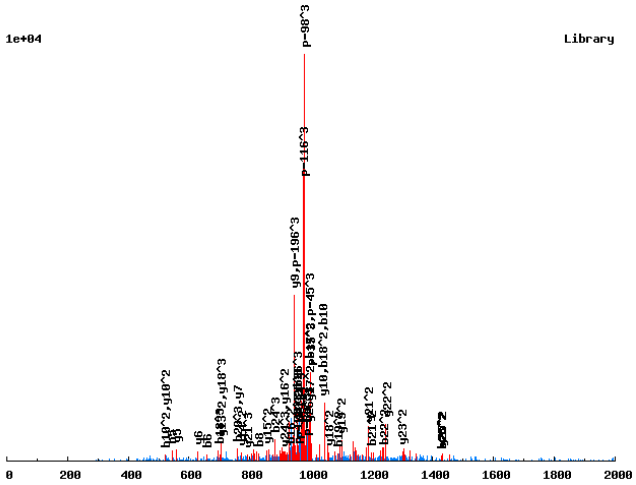


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	12			
205.0641	103.0357	69.0262	2	M[147]	11	1617.3572	809.1822	**539.7906**
448.0938	224.5505	150.0361	3	Y[243]	10	1470.3218	735.6645	490.7788
615.0922	**308.0497**	205.7022	4	S[167]	9	1227.2921	614.1497	**409.7689**
782.0905	391.5489	261.3684	5	S[167]	8	1060.2938	**530.6505**	354.1028
879.1433	**440.0753**	**293.7193**	6	P	7	893.2954	447.1513	298.4367
976.1960	488.6017	326.0702	7	P	6	796.2427	398.6250	266.0857
1033.2175	**517.1124**	345.0774	8	G	5	**699.1899**	350.0986	233.7348
1276.2472	638.6272	426.0872	9	Y[243]	4	642.1684	321.5879	214.7277
1333.2686	667.1380	**445.0944**	10	G	3	399.1388	200.0730	133.7178
1500.2670	750.6371	500.7605	11	S[167]	2	342.1173	171.5623	114.7106
			12	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.GNQQDDGNSES$_{167}$NS$_{167}$MHTQPSTMAPATLR.M/3

0.9801

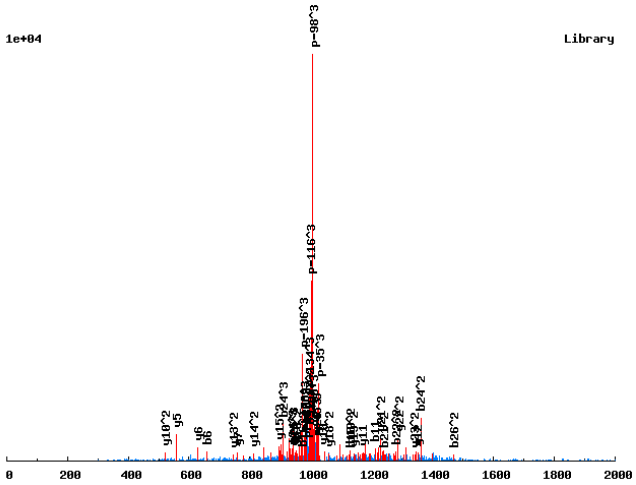


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	27			
172.0717	86.5395	58.0287	2	N	26	2977.1489	1489.0781	**993.0545**
300.1302	150.5688	100.7149	3	Q	25	2863.1060	**1432.0566**	**955.0402**
428.1888	214.5981	143.4011	4	Q	24	2735.0474	1368.0273	**912.3540**
543.2158	272.1115	181.7434	5	D	23	2606.9888	**1303.9981**	869.6678
658.2427	329.6250	220.0858	6	D	22	2491.9619	**1246.4846**	831.3255
715.2642	358.1357	239.0929	7	G	21	2376.9350	**1188.9711**	**792.9832**
829.3071	415.1572	277.1072	8	N	20	2319.9135	1160.4604	773.9760
916.3391	458.6732	306.1179	9	S	19	2205.8706	**1103.4389**	735.9617
1045.3817	**523.1945**	349.1321	10	E	18	2118.8385	**1059.9229**	**706.9510**
1212.3801	606.6937	404.7982	11	S[167]	17	1989.7959	**995.4016**	663.9368
1326.4230	663.7151	442.8125	12	N	16	1822.7976	**911.9024**	608.2707
1493.4214	747.2143	498.4786	13	S[167]	15	1708.7547	**854.8810**	570.2564
1624.4619	812.7346	542.1588	14	M	14	1541.7563	**771.3818**	514.5903
1761.5208	881.2640	587.8451	15	H	13	1410.7158	**705.8615**	470.9101
1862.5685	**931.7879**	621.5277	16	T	12	1273.6569	637.3321	425.2238
1990.6270	**995.8172**	664.2139	17	Q	11	1172.6092	586.8082	391.5413
2087.6798	**1044.3435**	**696.5648**	18	P	10	**1044.5506**	**522.7790**	348.8551
2174.7118	**1087.8596**	725.5755	19	S	9	**947.4979**	474.2526	316.5041
2275.7595	1138.3834	**759.2580**	20	T	8	860.4658	430.7366	287.4935
2406.8000	**1203.9036**	802.9382	21	M	7	**759.4182**	380.2127	253.8109
2477.8371	**1239.4222**	826.6172	22	A	6	**628.3777**	314.6925	210.1307
2574.8899	1287.9486	858.9681	23	P	5	**557.3406**	279.1739	186.4517
2645.9270	1323.4671	**882.6472**	24	A	4	460.2878	230.6475	154.1008
2746.9747	1373.9910	916.3297	25	T	3	389.2507	195.1290	130.4217
2860.0587	**1430.5330**	**954.0244**	26	L	2	288.2030	144.6051	96.7392
			27	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.GNQQDDGNS$_{167}$ESNS$_{167}$MHT$_{181}$QPSTMAPATLR.M/3

0.8475

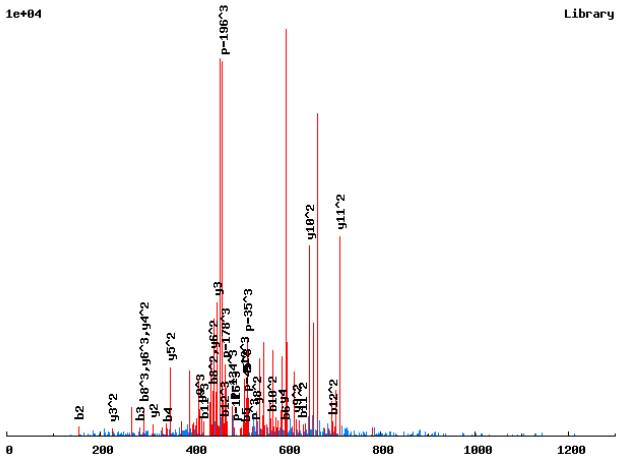


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	27			
172.0717	86.5395	58.0287	2	N	26	3057.1153	1529.0613	**1019.7099**
300.1302	150.5688	100.7149	3	Q	25	2943.0723	1472.0398	981.6956
428.1888	214.5981	143.4011	4	Q	24	2815.0137	1408.0105	**939.0094**
543.2158	272.1115	181.7434	5	D	23	2686.9552	**1343.9812**	896.3232
658.2427	329.6250	220.0858	6	D	22	2571.9282	**1286.4678**	857.9809
715.2642	358.1357	239.0929	7	G	21	2456.9013	**1228.9543**	819.6386
829.3071	415.1572	277.1072	8	N	20	2399.8798	1200.4436	800.6315
996.3055	498.6564	332.7733	9	S[167]	19	2285.8369	**1143.4221**	762.6172
1125.3481	563.1777	375.7875	10	E	18	2118.8385	**1059.9229**	706.9510
1212.3801	606.6937	404.7982	11	S	17	1989.7959	**995.4016**	663.9368
1326.4230	663.7151	442.8125	12	N	16	1902.7639	**951.8856**	634.9262
1493.4214	747.2143	498.4786	13	S[167]	15	1788.7210	**894.8641**	596.9118
1624.4619	812.7346	542.1588	14	M	14	1621.7226	**811.3650**	541.2457
1761.5208	881.2640	587.8451	15	H	13	1490.6821	**745.8447**	497.5656
1942.5348	**971.7710**	648.1831	16	T[181]	12	**1353.6232**	677.3153	451.8793
2070.5934	1035.8003	690.8693	17	Q	11	**1172.6092**	586.8082	391.5413
2167.6461	1084.3267	723.2202	18	P	10	**1044.5506**	**522.7790**	348.8551
2254.6782	**1127.8427**	752.2309	19	S	9	**947.4979**	474.2526	316.5041
2355.7258	1178.3666	785.9135	20	T	8	860.4658	430.7366	287.4935
2486.7663	**1243.8868**	829.5936	21	M	7	**759.4182**	380.2127	253.8109
2557.8034	**1279.4054**	853.2727	22	A	6	**628.3777**	314.6925	210.1307
2654.8562	1327.9317	885.6236	23	P	5	**557.3406**	279.1739	186.4517
2725.8933	**1363.4503**	**909.3026**	24	A	4	460.2878	230.6475	154.1008
2826.9410	1413.9741	**942.9852**	25	T	3	389.2507	195.1290	130.4217
2940.0250	**1470.5162**	**980.6799**	26	L	2	288.2030	144.6051	96.7392
			27	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.GPMGS$_{167}$STT$_{181}$LHHQR$_{166}$.V/3

0.9352

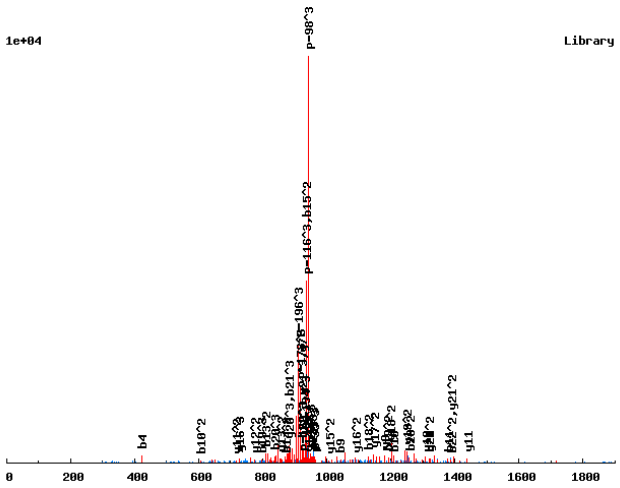


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	13			
155.0815	78.0444	52.3654	2	P	12	1521.5945	761.3009	**507.8697**
286.1220	143.5646	96.0455	3	M	11	1424.5417	**712.7745**	475.5188
343.1434	172.0754	115.0527	4	G	10	1293.5012	**647.2543**	431.8386
510.1418	255.5745	170.7188	5	S[167]	9	1236.4798	**618.7435**	**412.8314**
597.1738	299.0906	199.7295	6	S	8	1069.4814	**535.2443**	357.1653
698.2215	349.6144	233.4120	7	T	7	982.4494	491.7283	328.1546
879.2355	**440.1214**	**293.7500**	8	T[181]	6	881.4017	**441.2045**	**294.4721**
992.3196	496.6634	331.4447	9	L	5	700.3877	**350.6975**	234.1341
1129.3785	**565.1929**	377.1310	10	H	4	**587.3036**	**294.1554**	196.4394
1266.4374	**633.7223**	**422.8173**	11	H	3	**450.2447**	**225.6260**	150.7531
1394.4960	**697.7516**	**465.5035**	12	Q	2	**313.1858**	157.0965	105.0668
			13	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.GPMHPNNS$_{167}$QR$_{166}$S$_{167}$LQQQQQQQQQQK$_{136}$.Q/3

0.5983

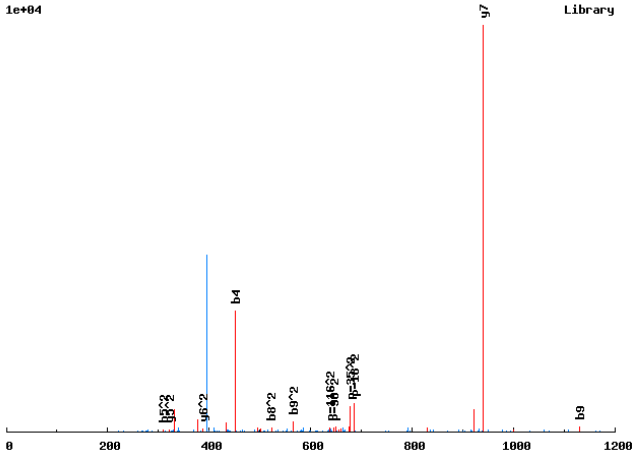


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	23			
155.0815	78.0444	52.3654	2	P	22	2867.2523	1434.1298	**956.4223**
286.1220	143.5646	96.0455	3	M	21	2770.1996	**1385.6034**	**924.0714**
423.1809	212.0941	141.7318	4	H	20	2639.1591	**1320.0832**	**880.3912**
520.2337	260.6205	174.0827	5	P	19	2502.1002	**1251.5537**	834.7049
634.2766	317.6419	212.0971	6	N	18	2405.0474	**1203.0273**	802.3540
748.3195	374.6634	250.1114	7	N	17	2291.0045	**1146.0059**	764.3397
915.3179	458.1626	305.7775	8	S[167]	16	2176.9615	**1088.9844**	**726.3254**
1043.3765	522.1919	348.4637	9	Q	15	2009.9632	**1005.4852**	670.6592
1209.4858	**605.2466**	403.8335	10	R[166]	14	1881.9046	**941.4559**	627.9731
1376.4842	688.7457	459.4996	11	S[167]	13	1715.7952	**858.4012**	572.6033
1489.5683	745.2878	497.1943	12	L	12	1548.7969	**774.9021**	516.9371
1617.6268	**809.3171**	539.8805	13	Q	11	**1435.7128**	**718.3600**	479.2425
1745.6854	**873.3464**	582.5667	14	Q	10	**1307.6542**	654.3307	436.5563
1873.7440	**937.3756**	625.2529	15	Q	9	**1179.5956**	590.3015	393.8701
2001.8026	1001.4049	667.9390	16	Q	8	1051.5371	526.2722	351.1839
2129.8612	1065.4342	710.6252	17	Q	7	**923.4785**	462.2429	308.4977
2257.9197	**1129.4635**	753.3114	18	Q	6	795.4199	398.2136	265.8115
2385.9783	**1193.4928**	**795.9976**	19	Q	5	667.3613	334.1843	223.1253
2514.0369	**1257.5221**	**838.6838**	20	Q	4	539.3027	270.1550	180.4391
2642.0955	**1321.5514**	**881.3700**	21	Q	3	411.2442	206.1257	137.7529
2770.1541	**1385.5807**	**924.0562**	22	Q	2	283.1856	142.0964	95.0667
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.GPT$_{181}$DS$_{167}$EES$_{167}$SLK.D/2

0.7054

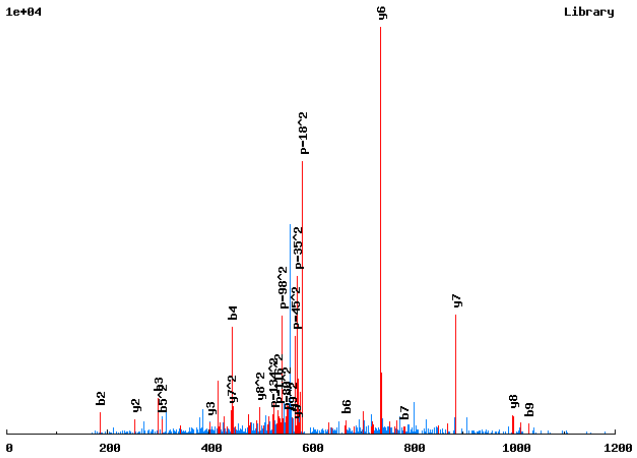


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	11		
155.0815	78.0444	2	P	10	1332.4045	666.7059
336.0955	168.5514	3	T[181]	9	1235.3517	618.1795
451.1225	226.0649	4	D	8	1054.3377	527.6725
618.1208	**309.5640**	5	S[167]	7	**939.3108**	470.1590
747.1634	374.0853	6	E	6	772.3124	**386.6599**
876.2060	438.6066	7	E	5	643.2698	**322.1386**
1043.2044	**522.1058**	8	S[167]	4	514.2273	257.6173
1130.2364	**565.6218**	9	S	3	347.2289	174.1181
1243.3204	622.1639	10	L	2	260.1969	130.6021
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.GQLFS$_{167}$GLFVK$_{136}$.V/2

0.7097

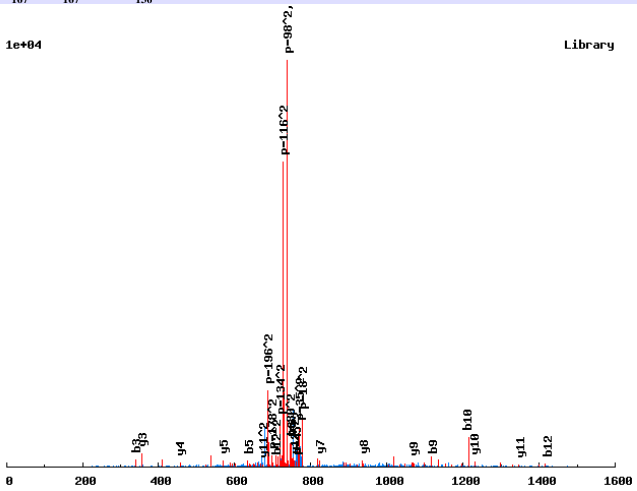


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	10		
186.0873	93.5473	2	Q	9	1126.5787	**563.7930**
299.1714	150.0893	3	L	8	**998.5202**	**499.7637**
446.2398	223.6235	4	F	7	**885.4361**	**443.2217**
613.2382	**307.1227**	5	S[167]	6	**738.3677**	369.6875
670.2596	335.6334	6	G	5	**571.3693**	286.1883
783.3437	392.1755	7	L	4	514.3479	257.6776
930.4121	465.7097	8	F	3	**401.2638**	201.1355
1029.4805	515.2439	9	V	2	**254.1954**	127.6013
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.GR$_{166}$DS$_{167}$EISS$_{167}$LVTTK$_{136}$.E/2

0.9973

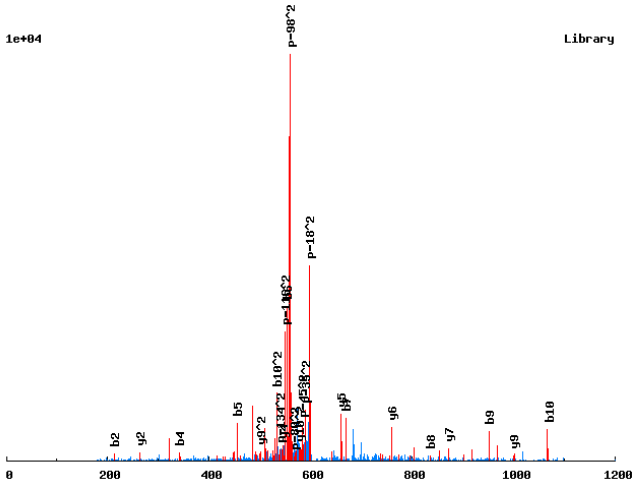


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	13		
224.1381	112.5727	2	R[166]	12	1513.6665	**757.3369**
339.1651	170.0862	3	D	11	**1347.5572**	**674.2822**
506.1634	253.5854	4	S[167]	10	**1232.5302**	616.7688
635.2060	318.1066	5	E	9	**1065.5319**	533.2696
748.2901	374.6487	6	I	8	**936.4893**	468.7483
835.3221	418.1647	7	S	7	**823.4052**	412.2063
1002.3205	501.6639	8	S[167]	6	**736.3732**	368.6902
1115.4045	558.2059	9	L	5	**569.3748**	285.1911
1214.4729	607.7401	10	V	4	**456.2908**	228.6490
1315.5206	658.2639	11	T	3	**357.2224**	179.1148
1416.5683	**708.7878**	12	T	2	256.1747	128.5910
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GRGALVDS$_{167}$DDE.-/2

0.9945

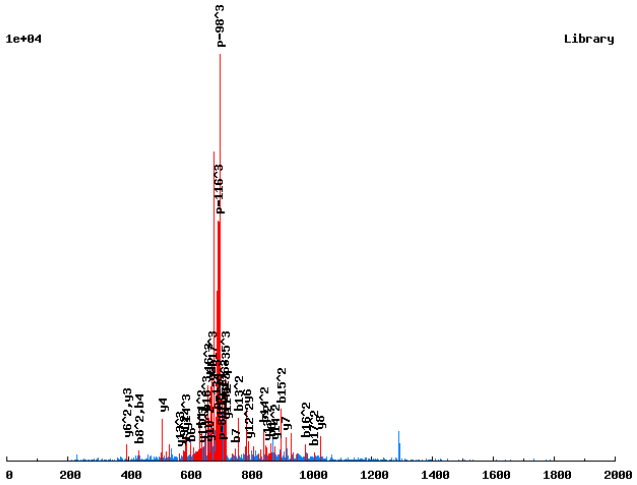


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	11		
214.1299	107.5686	2	R	10	1156.4518	**578.7295**
271.1513	136.0793	3	G	9	**1000.3507**	**500.6790**
342.1884	171.5978	4	A	8	943.3292	472.1682
455.2725	228.1399	5	L	7	**872.2921**	436.6497
554.3409	277.6741	6	V	6	**759.2080**	380.1077
669.3678	335.1876	7	D	5	**660.1396**	330.5734
836.3662	418.6867	8	S[167]	4	**545.1127**	273.0600
951.3931	476.2002	9	D	3	378.1143	189.5608
1066.4201	**533.7137**	10	D	2	**263.0874**	132.0473
		11	E	1	148.0604	74.5339

Annotated spectra from Saleem et. al. 2009

R.GRGYGDFDS$_{167}$EDEDYDYGR.S/3

0.9629

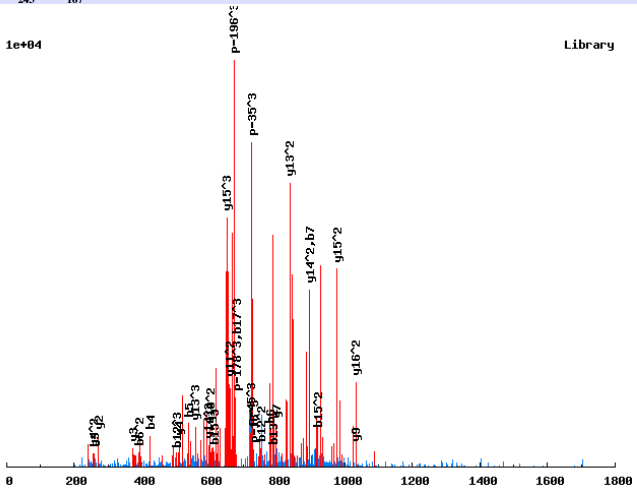


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	18			
214.1299	107.5686	72.0481	2	R	17	2138.7611	1069.8842	**713.5919**
271.1513	136.0793	91.0553	3	G	16	1982.6600	991.8336	**661.5582**
434.2146	217.6110	145.4097	4	Y	15	1925.6385	963.3229	**642.5510**
491.2361	246.1217	164.4169	5	G	14	1762.5752	**881.7912**	**588.1966**
606.2630	303.6352	202.7592	6	D	13	1705.5537	**853.2805**	**569.1894**
753.3315	377.1694	251.7820	7	F	12	1590.5268	**795.7670**	530.8471
868.3584	**434.6828**	290.1243	8	D	11	1443.4584	**722.2328**	481.8243
1035.3568	518.1820	345.7904	9	S[167]	10	1328.4314	**664.7194**	443.4820
1164.3993	582.7033	388.8046	10	E	9	1161.4331	**581.2202**	387.8159
1279.4263	**640.2168**	427.1469	11	D	8	**1032.3905**	516.6989	344.8017
1408.4689	**704.7381**	470.1611	12	E	7	**917.3635**	459.1854	306.4594
1523.4958	**762.2515**	508.5035	13	D	6	**788.3210**	**394.6641**	263.4452
1686.5591	**843.7832**	562.8579	14	Y	5	**673.2940**	337.1506	225.1029
1801.5861	**901.2967**	601.2002	15	D	4	**510.2307**	255.6190	170.7484
1964.6494	**982.8283**	**655.5547**	16	Y	3	**395.2037**	198.1055	132.4061
2021.6709	**1011.3391**	**674.5618**	17	G	2	232.1404	116.5738	78.0517
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.GSDYDY$_{243}$NNS$_{167}$THSAEHTPR.H/3

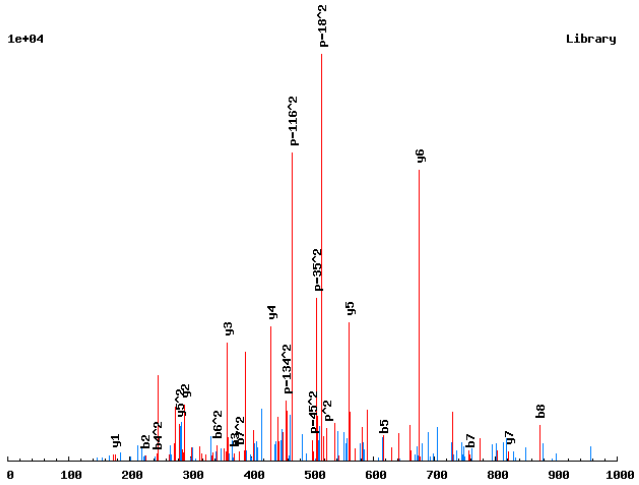
0.9471



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	18			
145.0608	73.0340	49.0251	2	S	17	2153.7597	1077.3835	718.5914
260.0877	130.5475	87.3674	3	D	16	2066.7277	**1033.8675**	689.5808
423.1510	212.0792	141.7219	4	Y	15	1951.7008	**976.3540**	**651.2384**
538.1780	269.5926	180.0642	5	D	14	1788.6374	**894.8224**	**596.8840**
781.2076	**391.1075**	261.0741	6	Y[243]	13	1673.6105	**837.3089**	**558.5417**
895.2506	448.1289	299.0884	7	N	12	1430.5808	715.7941	477.5318
1009.2935	505.1504	337.1027	8	N	11	1316.5379	**658.7726**	439.5175
1176.2919	588.6496	392.7688	9	S[167]	10	1202.4950	**601.7511**	401.5032
1277.3395	639.1734	426.4514	10	T	9	**1035.4966**	518.2519	345.8371
1414.3985	707.7029	472.1377	11	H	8	934.4489	467.7281	312.1545
1501.4305	**751.2189**	**501.1483**	12	S	7	**797.3900**	399.1987	266.4682
1572.4676	**786.7374**	524.8274	13	A	6	710.3580	355.6826	237.4575
1701.5102	851.2587	567.8416	14	E	5	639.3209	320.1641	213.7785
1838.5691	**919.7882**	**613.5279**	15	H	4	**510.2783**	**255.6428**	170.7643
1939.6168	970.3120	647.2104	16	T	3	**373.2194**	187.1133	125.0780
2036.6695	1018.8384	**679.5614**	17	P	2	**272.1717**	136.5895	91.3954
			18	R	1	175.1190	88.0631	59.0445

R.GS$_{167}$FDEAANR.E/2

0.9763

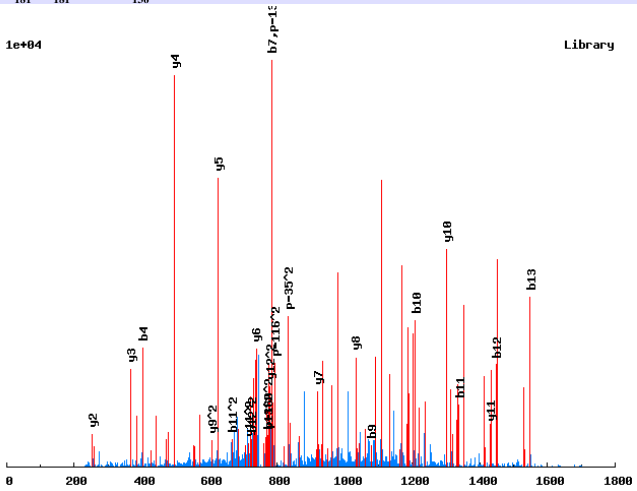


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	9		
225.0271	113.0172	2	S[167]	8	989.3724	495.1898
372.0955	186.5514	3	F	7	**822.3740**	411.6907
487.1225	**244.0649**	4	D	6	**675.3056**	338.1565
616.1650	308.5862	5	E	5	**560.2787**	**280.6430**
687.2022	**344.1047**	6	A	4	**431.2361**	216.1217
758.2393	**379.6233**	7	A	3	**360.1990**	180.6031
872.2822	436.6447	8	N	2	**289.1619**	145.0846
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.GSQEST$_{181}$NT$_{181}$LEEIVK$_{136}$.F/2

0.9805

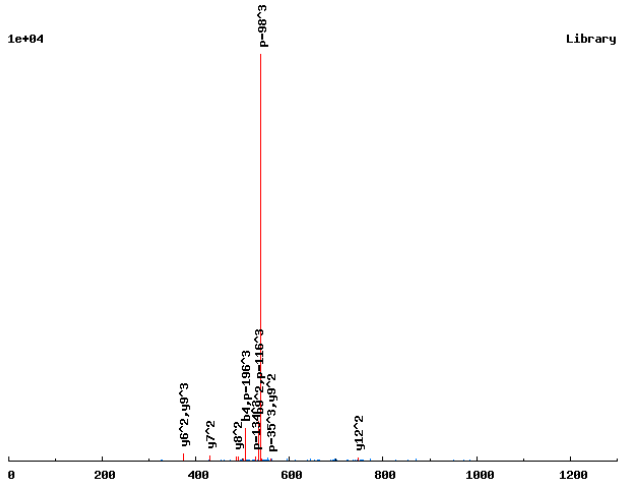


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	**1**	**G**	**14**		
145.0608	73.0340	**2**	**S**	**13**	1645.6849	823.3461
273.1193	137.0633	**3**	**Q**	**12**	1558.6529	**779.8301**
402.1619	201.5846	**4**	**E**	**11**	**1430.5943**	**715.8008**
489.1940	245.1006	**5**	**S**	**10**	**1301.5517**	651.2795
670.2080	335.6076	**6**	**T[181]**	**9**	1214.5197	**607.7635**
784.2509	392.6291	**7**	**N**	**8**	**1033.5057**	517.2565
965.2649	483.1361	**8**	**T[181]**	**7**	**919.4627**	460.2350
1078.3490	539.6781	**9**	**L**	**6**	**738.4487**	369.7280
1207.3916	604.1994	**10**	**E**	**5**	**625.3646**	313.1860
1336.4342	**668.7207**	**11**	**E**	**4**	**496.3221**	248.6647
1449.5182	**725.2628**	**12**	**I**	**3**	**367.2795**	184.1434
1548.5866	**774.7970**	**13**	**V**	**2**	**254.1954**	127.6013
		14	**K[136]**	**1**	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GS$_{167}$S$_{167}$DSFNLPHQISR$_{166}$.T/3

0.9616

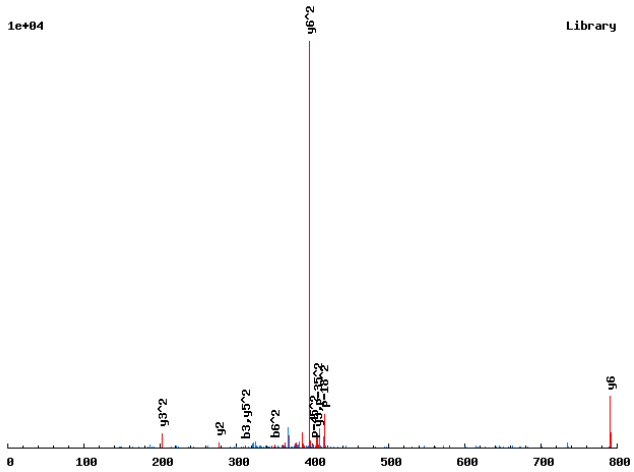


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	14			
225.0271	113.0172	75.6806	2	S[167]	13	1657.6647	829.3360	553.2264
392.0255	196.5164	131.3467	3	S[167]	12	1490.6663	**745.8368**	497.5603
507.0524	254.0298	169.6890	4	D	11	1323.6679	662.3376	441.8942
594.0844	297.5459	198.6997	5	S	10	1208.6410	604.8241	403.5518
741.1528	371.0801	247.7225	6	F	9	1121.6090	**561.3081**	**374.5412**
855.1958	428.1015	285.7368	7	N	8	974.5405	**487.7739**	325.5184
968.2798	484.6436	323.4315	8	L	7	860.4976	**430.7524**	287.5041
1065.3326	**533.1699**	355.7824	9	P	6	747.4136	**374.2104**	249.8094
1202.3915	601.6994	401.4687	10	H	5	650.3608	325.6840	217.4585
1330.4501	665.7287	444.1549	11	Q	4	513.3019	257.1546	171.7721
1443.5341	722.2707	481.8496	12	I	3	385.2433	193.1253	129.0860
1530.5662	765.7867	510.8602	13	S	2	272.1592	136.5833	91.3913
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.GS$_{167}$SMEEK.K/2

0.6778

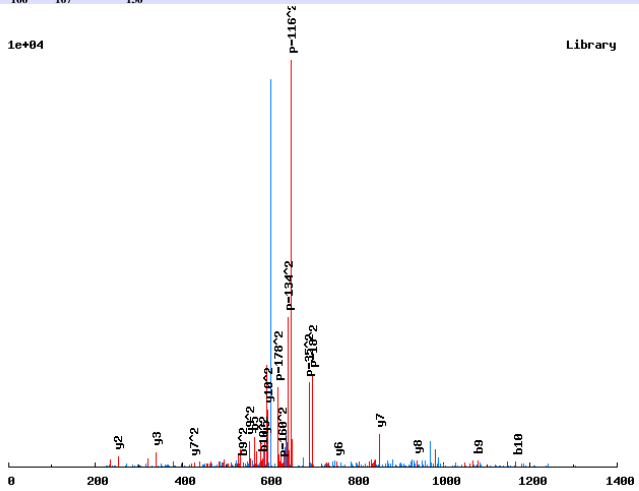


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	7		
225.0271	113.0172	2	S[167]	6	790.2689	395.6381
312.0591	156.5332	3	S	5	623.2705	312.1389
443.0996	222.0535	4	M	4	536.2385	268.6229
572.1422	286.5747	5	E	3	405.1980	203.1026
701.1848	351.0960	6	E	2	276.1554	138.5813
		7	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.GS$_{167}$SR$_{166}$SPS$_{167}$LHSPK$_{136}$.S/2

0.6315

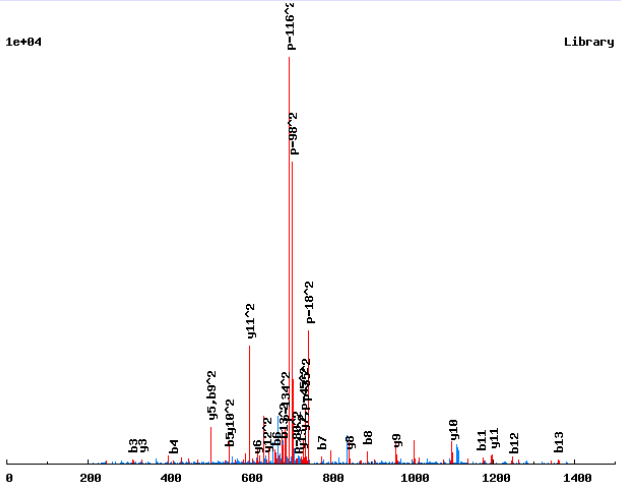


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	12		
225.0271	113.0172	2	S[167]	11	1360.5777	680.7925
312.0591	156.5332	3	S	10	1193.5793	**597.2933**
478.1685	239.5879	4	R[166]	9	1106.5473	**553.7773**
565.2005	283.1039	5	S	8	**940.4379**	470.7226
662.2533	331.6303	6	P	7	**853.4059**	**427.2066**
829.2517	415.1295	7	S[167]	6	**756.3531**	378.6802
942.3357	471.6715	8	L	5	**589.3548**	295.1810
1079.3946	**540.2010**	9	H	4	476.2707	238.6390
1166.4267	**583.7170**	10	S	3	**339.2118**	170.1095
1263.4794	632.2434	11	P	2	**252.1798**	126.5935
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.GS$_{167}$SVHDINNGIADK.Q/2

0.992

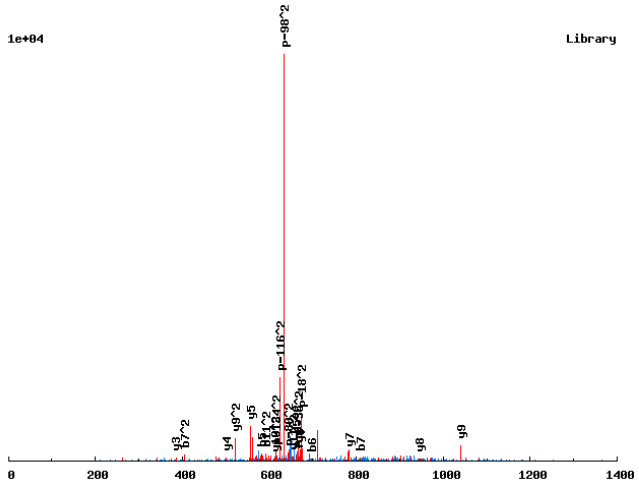


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	14		
225.0271	113.0172	2	S[167]	13	1449.6369	**725.3221**
312.0591	156.5332	3	S	12	1282.6386	**641.8229**
411.1275	206.0674	4	V	11	**1195.6065**	**598.3069**
548.1865	274.5969	5	H	10	**1096.5381**	**548.7727**
663.2134	332.1103	6	D	9	**959.4792**	480.2433
776.2975	388.6524	7	I	8	**844.4523**	422.7298
890.3404	445.6738	8	N	7	**731.3682**	366.1878
1004.3833	**502.6953**	9	N	6	**617.3253**	309.1663
1061.4048	531.2060	10	G	5	**503.2824**	252.1448
1174.4888	587.7481	11	I	4	446.2609	223.6341
1245.5259	623.2666	12	A	3	**333.1768**	167.0921
1360.5529	**680.7801**	13	D	2	262.1397	131.5735
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.GST$_{181}$PC$_{160}$LIGDSIR$_{166}$.N/2

0.6709

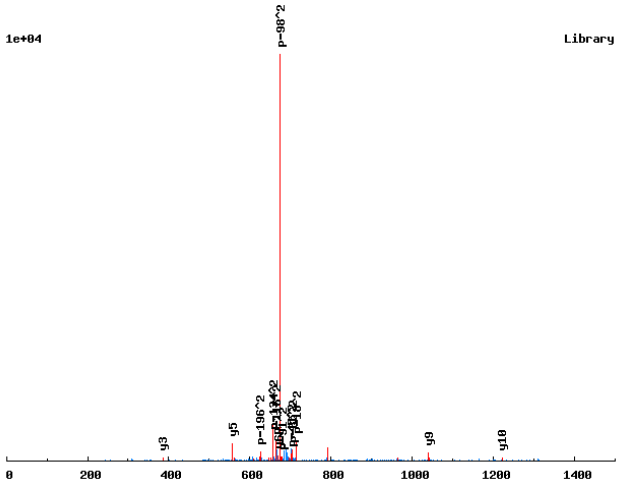


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	12		
145.0608	73.0340	2	S	11	1308.5893	**654.7983**
326.0748	163.5410	3	T[181]	10	1221.5573	**611.2823**
423.1275	212.0674	4	P	9	**1040.5432**	**520.7753**
583.1582	292.0827	5	C[160]	8	**943.4905**	472.2489
696.2423	348.6248	6	L	7	**783.4598**	392.2336
809.3263	**405.1668**	7	I	6	**670.3758**	335.6915
866.3478	433.6775	8	G	5	**557.2917**	279.1495
981.3747	491.1910	9	D	4	**500.2702**	250.6388
1068.4067	534.7070	10	S	3	**385.2433**	193.1253
1181.4908	**591.2490**	11	I	2	298.2113	149.6093
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.GS$_{167}$T$_{181}$PC$_{160}$LIGDSIR$_{166}$.N/2

0.9347

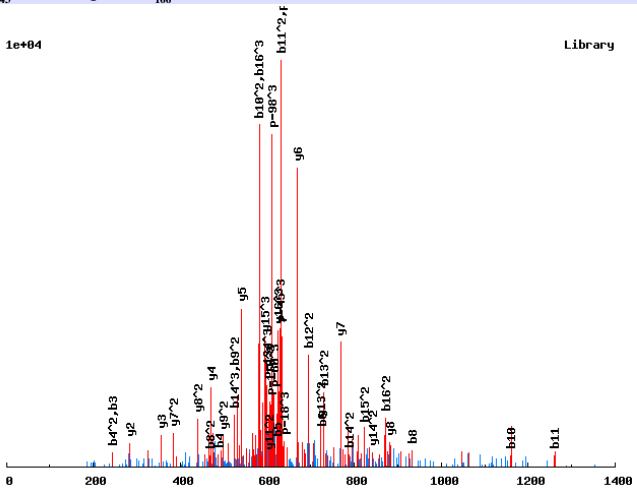


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	12		
225.0271	113.0172	2	S[167]	11	1388.5556	694.7814
406.0411	203.5242	3	T[181]	10	**1221.5573**	611.2823
503.0939	252.0506	4	P	9	**1040.5432**	520.7753
663.1245	332.0659	5	C[160]	8	943.4905	472.2489
776.2086	388.6079	6	L	7	783.4598	392.2336
889.2926	445.1500	7	I	6	**670.3758**	335.6915
946.3141	473.6607	8	G	5	**557.2917**	279.1495
1061.3410	531.1742	9	D	4	500.2702	250.6388
1148.3731	574.6902	10	S	3	**385.2433**	193.1253
1261.4571	631.2322	11	I	2	298.2113	149.6093
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.GSVY$_{243}$HVPLNIVQADAVR$_{166}$.D/3

0.9992

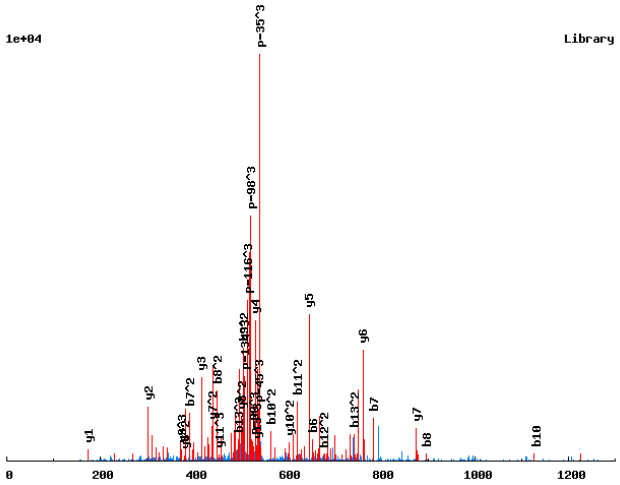


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	17			
145.0608	73.0340	49.0251	2	S	16	1870.9450	935.9761	**624.3199**
244.1292	122.5682	82.0479	3	V	15	1783.9130	892.4601	**595.3092**
487.1588	**244.0831**	163.0578	4	Y[243]	14	1684.8446	**842.9259**	562.2864
624.2178	312.6125	208.7441	5	H	13	1441.8149	**721.4111**	481.2765
723.2862	362.1467	241.7669	6	V	12	1304.7560	652.8816	435.5902
820.3389	410.6731	274.1178	7	P	11	1205.6876	**603.3474**	402.5674
933.4230	**467.2151**	311.8125	8	L	10	1108.6348	554.8211	370.2165
1047.4659	**524.2366**	349.8268	9	N	9	995.5508	**498.2790**	332.5218
1160.5500	**580.7786**	387.5215	10	I	8	**881.5078**	**441.2576**	294.5075
1259.6184	**630.3128**	420.5443	11	V	7	**768.4238**	**384.7155**	256.8128
1387.6770	**694.3421**	463.2305	12	Q	6	**669.3554**	335.1813	223.7900
1458.7141	**729.8607**	486.9095	13	A	5	**541.2968**	271.1520	181.1038
1573.7410	**787.3741**	**525.2519**	14	D	4	**470.2597**	235.6335	157.4247
1644.7781	**822.8927**	548.9309	15	A	3	**355.2327**	178.1200	119.0824
1743.8465	**872.4269**	**581.9537**	16	V	2	**284.1956**	142.6015	95.4034
			17	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.GT$_{181}$GRSDENDDDLQR.A/3

0.9994

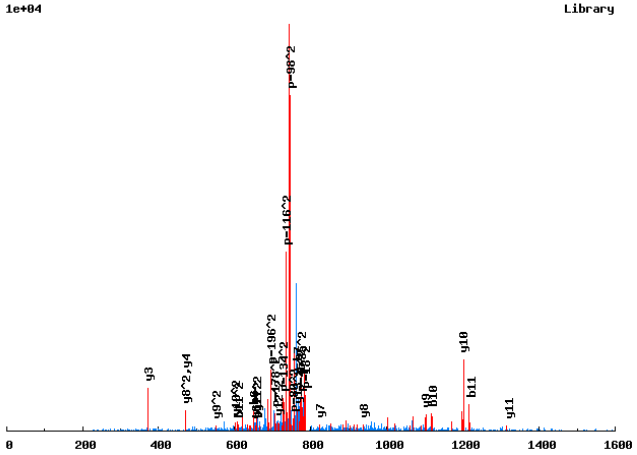


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	14			
239.0428	120.0250	80.3524	2	T[181]	13	1600.6235	800.8154	**534.2127**
296.0642	148.5357	99.3596	3	G	12	1419.6095	710.3084	473.8747
452.1653	226.5863	151.3933	4	R	11	1362.5880	681.7976	**454.8675**
539.1974	270.1023	180.4040	5	S	10	1206.4869	**603.7471**	402.8338
654.2243	327.6158	218.7463	6	D	9	1119.4549	560.2311	**373.8231**
783.2669	**392.1371**	261.7605	7	E	8	1004.4279	**502.7176**	335.4808
897.3098	**449.1585**	299.7748	8	N	7	**875.3853**	**438.1963**	292.4666
1012.3368	**506.6720**	338.1171	9	D	6	**761.3424**	**381.1748**	254.4523
1127.3637	**564.1855**	376.4594	10	D	5	**646.3155**	323.6614	216.1100
1242.3906	**621.6990**	414.8017	11	D	4	**531.2885**	266.1479	177.7677
1355.4747	**678.2410**	452.4964	12	L	3	**416.2616**	208.6344	139.4254
1483.5333	**742.2703**	**495.1826**	13	Q	2	**303.1775**	152.0924	101.7307
			14	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.GTINPS$_{167}$NS$_{167}$SVVPVR.V/2

0.8965

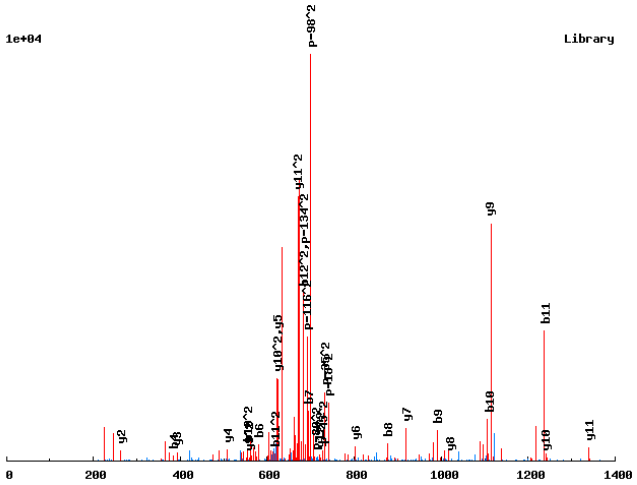


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	14		
159.0764	80.0419	2	T	13	1529.6761	**765.3417**
272.1605	136.5839	3	I	12	1428.6284	**714.8178**
386.2034	193.6053	4	N	11	**1315.5443**	**658.2758**
483.2562	242.1317	5	P	10	**1201.5014**	**601.2543**
650.2545	325.6309	6	S[167]	9	**1104.4486**	**552.7280**
764.2975	382.6524	7	N	8	**937.4503**	**469.2288**
931.2958	466.1516	8	S[167]	7	**823.4073**	412.2073
1018.3279	509.6676	9	S	6	**656.4090**	328.7081
1117.3963	559.2018	10	V	5	569.3769	285.1921
1216.4647	**608.7360**	11	V	4	**470.3085**	235.6579
1313.5174	**657.2624**	12	P	3	**371.2401**	186.1237
1412.5858	706.7966	13	V	2	274.1874	137.5973
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.GTPKPVDT$_{181}$DDEED.-/2

1

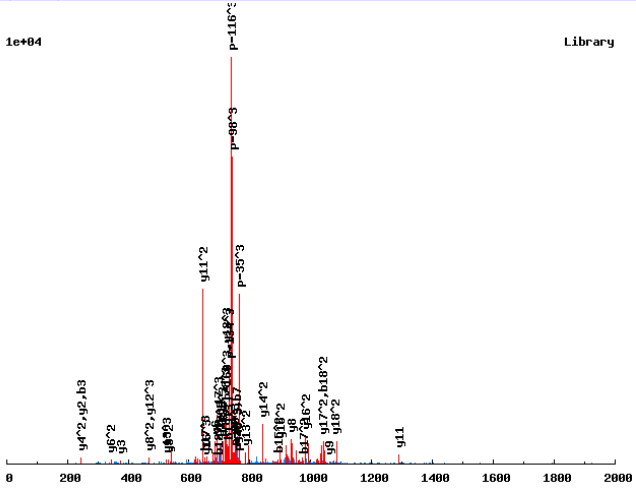


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	13		
159.0764	80.0419	2	T	12	1440.5414	**720.7743**
256.1292	128.5682	3	P	11	**1339.4937**	**670.2505**
384.2241	192.6157	4	K	10	**1242.4409**	**621.7241**
481.2769	241.1421	5	P	9	**1114.3460**	**557.6766**
580.3453	290.6763	6	V	8	**1017.2932**	509.1502
695.3723	348.1898	7	D	7	**918.2248**	459.6160
876.3863	438.6968	8	T[181]	6	**803.1979**	402.1026
991.4132	496.2102	9	D	5	**622.1838**	311.5956
1106.4401	**553.7237**	10	D	4	**507.1569**	254.0821
1235.4827	**618.2450**	11	E	3	**392.1300**	196.5686
1364.5253	**682.7663**	12	E	2	**263.0874**	132.0473
		13	D	1	134.0448	67.5260

Annotated spectra from Saleem et. al. 2009

R.GTSDS$_{167}$LDS$_{167}$IPEEYSHGDEVK.T/3

0.9948

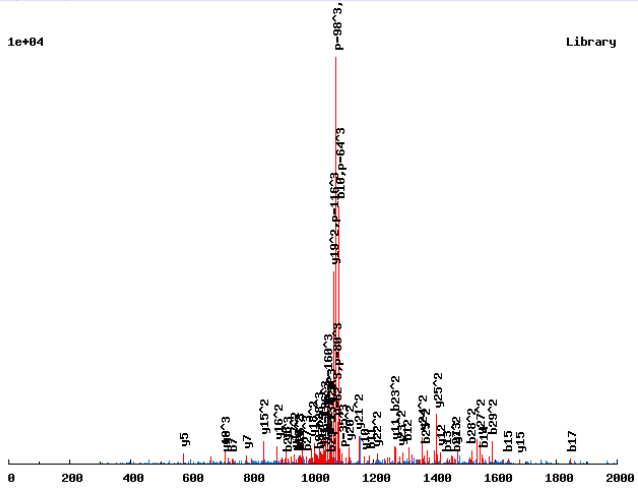


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	20			
159.0764	80.0419	53.6970	2	T	19	2267.8628	1134.4351	**756.6258**
246.1085	123.5579	82.7077	3	S	18	2166.8152	**1083.9112**	**722.9432**
361.1354	181.0713	121.0500	4	D	17	2079.7831	**1040.3952**	**693.9326**
528.1338	264.5705	176.7161	5	S[167]	16	1964.7562	**982.8817**	**655.5903**
641.2178	321.1125	214.4108	6	L	15	1797.7578	**899.3826**	599.9241
756.2448	378.6260	252.7531	7	D	14	1684.6738	**842.8405**	562.2294
923.2431	462.1252	308.4192	8	S[167]	13	1569.6468	**785.3271**	**523.8871**
1036.3272	518.6672	346.1139	9	I	12	1402.6485	**701.8279**	**468.2210**
1133.3799	567.1936	378.4648	10	P	11	**1289.5644**	**645.2858**	430.5263
1262.4225	631.7149	421.4790	11	E	10	1192.5116	596.7595	398.1754
1391.4651	**696.2362**	464.4932	12	E	9	**1063.4691**	**532.2382**	355.1612
1554.5284	777.7679	518.8477	13	Y	8	**934.4265**	**467.7169**	312.1470
1641.5605	821.2839	547.8583	14	S	7	771.3631	386.1852	257.7926
1778.6194	**889.8133**	593.5446	15	H	6	**684.3311**	**342.6692**	228.7819
1835.6408	918.3241	612.5518	16	G	5	547.2722	274.1397	183.0956
1950.6678	**975.8375**	**650.8941**	17	D	4	490.2507	**245.6290**	164.0884
2079.7104	**1040.3588**	**693.9083**	18	E	3	**375.2238**	188.1155	125.7461
2178.7788	1089.8930	**726.9311**	19	V	2	**246.1812**	123.5942	82.7319
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.GVATT$_{181}$PKS$_{167}$LAVEELSGM$_{147}$GFTEEEAHNALEK.C/3

0.9999

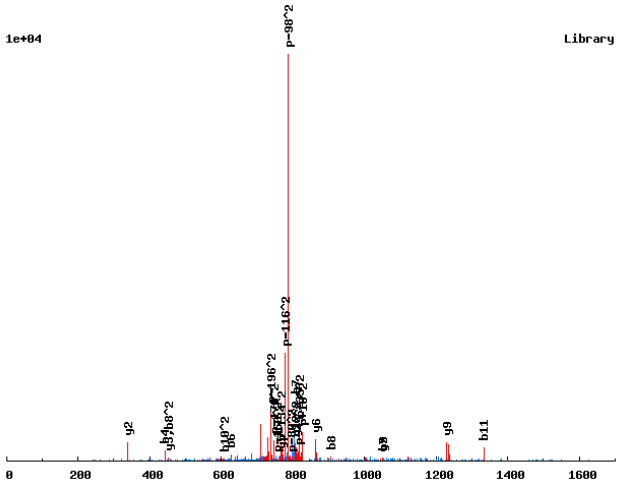


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	30			
157.0971	79.0522	53.0372	2	V	29	3264.4418	1632.7246	1088.8188
228.1343	114.5708	76.7163	3	A	28	3165.3734	1583.1904	**1055.7960**
329.1819	165.0946	110.3988	4	T	27	3094.3363	**1547.6718**	**1032.1170**
510.1960	255.6016	170.7368	5	T[181]	26	2993.2886	1497.1480	998.4344
607.2487	304.1280	203.0878	6	P	25	2812.2746	**1406.6410**	938.0964
735.3437	368.1755	245.7861	7	K	24	2715.2219	**1358.1146**	905.7455
902.3420	451.6747	301.4522	8	S[167]	23	2587.1269	**1294.0671**	863.0472
1015.4261	508.2167	339.1469	9	L	22	2420.1285	**1210.5679**	807.3810
1086.4632	543.7352	362.8259	10	A	21	2307.0445	**1154.0259**	769.6863
1185.5316	593.2694	395.8487	11	V	20	2236.0074	**1118.5073**	746.0073
1314.5742	657.7907	438.8629	12	E	19	2136.9390	**1068.9731**	**712.9845**
1443.6168	722.3120	481.8771	13	E	18	2007.8964	**1004.4518**	669.9703
1556.7009	778.8541	519.5718	14	L	17	1878.8538	**939.9305**	626.9561
1643.7329	822.3701	548.5825	15	S	16	1765.7697	**883.3885**	589.2614
1700.7543	850.8808	567.5896	16	G	15	**1678.7377**	**839.8725**	560.2508
1847.7897	924.3985	616.6014	17	M[147]	14	1621.7162	811.3618	541.2436
1904.8112	**952.9092**	635.6086	18	G	13	**1474.6808**	737.8441	492.2318
2051.8796	1026.4434	684.6314	19	F	12	**1417.6594**	709.3333	473.2246
2152.9273	**1076.9673**	718.3140	20	T	11	**1270.5910**	635.7991	424.2018
2281.9699	1141.4886	761.3281	21	E	10	**1169.5433**	585.2753	390.5193
2411.0125	1206.0099	804.3423	22	E	9	**1040.5007**	520.7540	347.5051
2540.0551	**1270.5312**	847.3565	23	E	8	**911.4581**	456.2327	304.4909
2611.0922	1306.0497	871.0356	24	A	7	**782.4155**	391.7114	261.4767
2748.1511	**1374.5792**	**916.7219**	25	H	6	**711.3784**	356.1928	237.7977
2862.1940	1431.6006	**954.7362**	26	N	5	**574.3195**	287.6634	192.1114
2933.2311	**1467.1192**	**978.4152**	27	A	4	460.2766	230.6419	154.0970
3046.3152	**1523.6612**	**1016.1099**	28	L	3	389.2394	195.1234	130.4180
3175.3578	**1588.1825**	**1059.1241**	29	E	2	276.1554	138.5813	92.7233
			30	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.GVERPST$_{181}$PFS$_{167}$DYR.G/2

0.9367

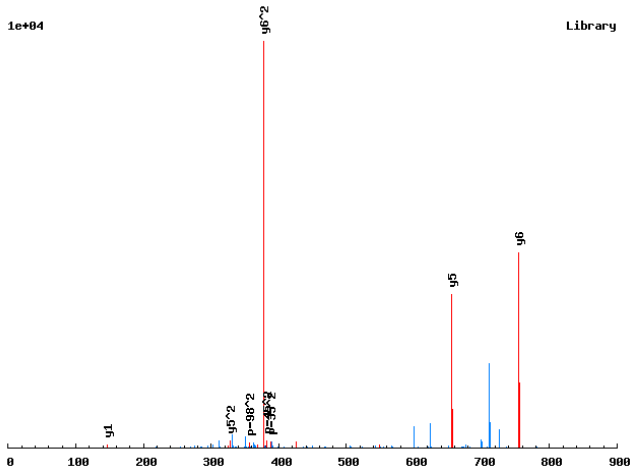


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	13		
157.0971	79.0522	2	V	12	1613.6397	**807.3235**
286.1397	143.5735	3	E	11	1514.5713	757.7893
442.2408	221.6241	4	R	10	1385.5287	693.2680
539.2936	270.1504	5	P	9	**1229.4276**	615.2174
626.3256	313.6665	6	S	8	1132.3748	566.6910
807.3397	404.1735	7	T[181]	7	**1045.3428**	523.1750
904.3924	**452.6998**	8	P	6	**864.3288**	432.6680
1051.4608	526.2341	9	F	5	**767.2760**	384.1416
1218.4592	**609.7332**	10	S[167]	4	620.2076	310.6074
1333.4861	667.2467	11	D	3	**453.2092**	227.1082
1496.5495	748.7784	12	Y	2	**338.1823**	169.5948
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.GVES$_{167}$PDK.N/2

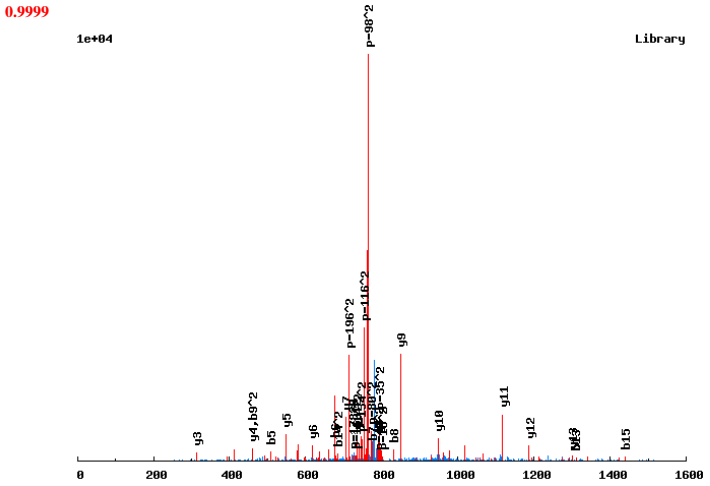
0.7776



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	7		
157.0971	79.0522	2	V	6	754.3019	377.6546
286.1397	143.5735	3	E	5	655.2335	328.1204
453.1381	227.0727	4	S[167]	4	526.1909	263.5991
550.1909	275.5991	5	P	3	359.1925	180.0999
665.2178	333.1125	6	D	2	262.1397	131.5735
		7	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.GVS$_{167}$NAS$_{167}$VGSSASFGAR$_{166}$.H/2

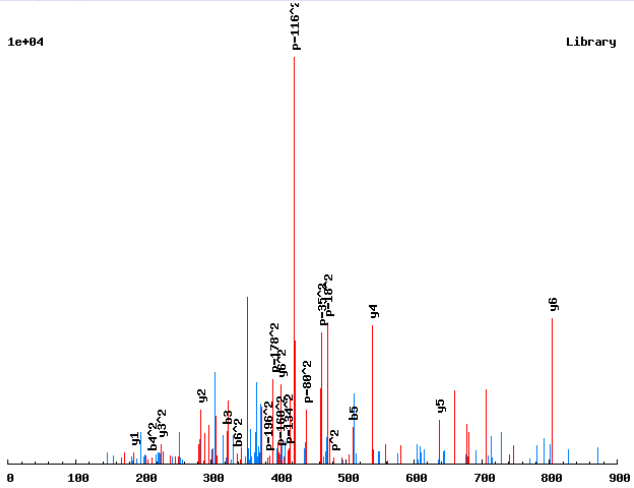


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	16		
157.0971	79.0522	2	V	15	1566.6224	783.8149
324.0955	162.5514	3	S[167]	14	1467.5540	**734.2807**
438.1384	219.5729	4	N	13	**1300.5557**	650.7815
509.1756	255.0914	5	A	12	**1186.5127**	593.7600
676.1739	338.5906	6	S[167]	11	**1115.4756**	558.2415
775.2423	388.1248	7	V	10	**948.4773**	474.7423
832.2638	416.6355	8	G	9	**849.4089**	425.2081
919.2958	**460.1515**	9	S	8	**792.3874**	396.6973
1006.3278	503.6676	10	S	7	**705.3554**	353.1813
1077.3650	539.1861	11	A	6	**618.3233**	309.6653
1164.3970	582.7021	12	S	5	**547.2862**	274.1468
1311.4654	656.2363	13	F	4	**460.2542**	230.6307
1368.4869	**684.7471**	14	G	3	**313.1858**	157.0965
1439.5240	720.2656	15	A	2	256.1643	128.5858
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.GVS$_{167}$VSS$_{167}$VR$_{166}$.S/2

0.5986

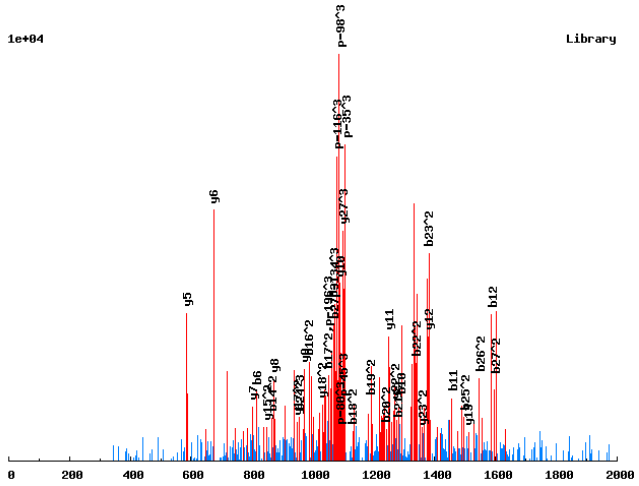


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
58.0287	29.5180	1	G	8		
157.0971	79.0522	2	V	7	903.3612	452.1842
324.0955	162.5514	3	S[167]	6	**804.2928**	**402.6500**
423.1639	**212.0856**	4	V	5	**637.2944**	319.1509
510.1960	255.6016	5	S	4	**538.2260**	269.6167
677.1943	**339.1008**	6	S[167]	3	451.1940	**226.1006**
776.2627	388.6350	7	V	2	**284.1956**	142.6015
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.GYEERT$_{181}$PTPT$_{181}$YMAANMEYNTAQSPQTLK.S/3

0.9955

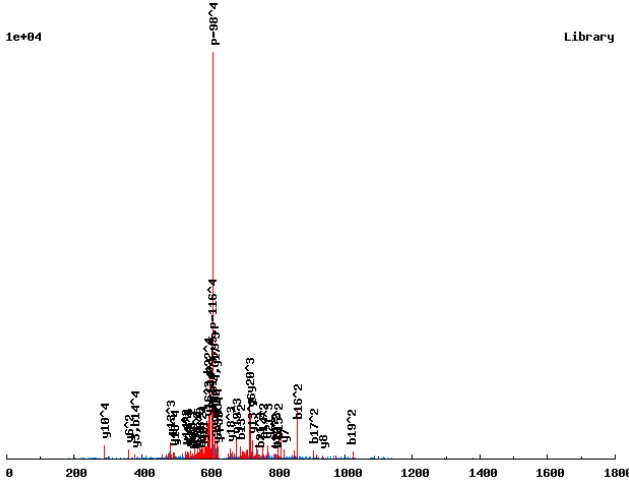


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
58.0287	29.5180	20.0144	1	G	28			
221.0921	111.0497	74.3689	2	Y	27	3295.3724	1648.1899	**1099.1290**
350.1347	175.5710	117.3831	3	E	26	3132.3091	1566.6582	1044.7746
479.1773	240.0923	160.3973	4	E	25	3003.2665	1502.1369	1001.7604
635.2784	318.1428	212.4310	5	R	24	2874.2239	1437.6156	958.7462
816.2924	408.6498	272.7690	6	T[181]	23	2718.1228	**1359.5650**	906.7125
913.3451	457.1762	305.1199	7	P	22	2537.1088	**1269.0580**	846.3745
1014.3928	507.7000	338.8025	8	T	21	2440.0560	1220.5317	814.0235
1111.4456	556.2264	371.1534	9	P	20	2339.0084	1170.0078	780.3410
1292.4596	646.7334	431.4914	10	T[181]	19	2241.9556	1121.4814	747.9901
1455.5229	728.2651	485.8458	11	Y	18	2060.9416	**1030.9744**	687.6520
1586.5634	793.7853	529.5260	12	M	17	1897.8783	**949.4428**	633.2976
1657.6005	829.3039	553.2050	13	A	16	1766.8378	883.9225	589.6174
1728.6376	**864.8225**	576.8841	14	A	15	1695.8007	**848.4040**	565.9384
1842.6806	921.8439	614.8984	15	N	14	1624.7635	812.8854	542.2594
1973.7210	**987.3642**	658.5785	16	M	13	**1510.7206**	755.8639	504.2451
2102.7636	**1051.8855**	701.5927	17	E	12	**1379.6801**	690.3437	460.5649
2265.8270	**1133.4171**	755.9472	18	Y	11	**1250.6375**	625.8224	417.5507
2379.8699	**1190.4386**	793.9615	19	N	10	**1087.5742**	544.2907	363.1963
2480.9176	**1240.9624**	827.6440	20	T	9	**973.5313**	487.2693	325.1819
2551.9547	**1276.4810**	851.3231	21	A	8	**872.4836**	436.7454	291.4994
2680.0133	**1340.5103**	894.0093	22	Q	7	**801.4465**	401.2269	267.8204
2767.0453	**1384.0263**	923.0200	23	S	6	**673.3879**	337.1976	225.1342
2864.0981	1432.5527	**955.3709**	24	P	5	**586.3559**	293.6816	196.1235
2992.1566	**1496.5820**	998.0571	25	Q	4	489.3031	245.1552	163.7726
3093.2043	**1547.1058**	1031.7396	26	T	3	361.2445	181.1259	121.0864
3206.2884	**1603.6478**	**1069.4343**	27	L	2	260.1969	130.6021	87.4038
			28	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.GYS$_{167}$LGHGPTHPSNMSNVDDLSHK$_{136}$.M/4

0.9257

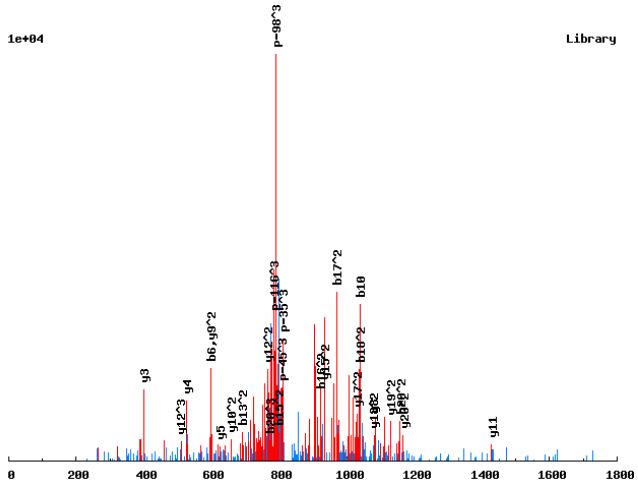


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
58.0287	29.5180	20.0144	15.2626	1	G	23				
221.0921	111.0497	74.3689	56.0285	2	Y	22	2481.0744	1241.0408	827.6963	**621.0241**
388.0904	194.5489	130.0350	97.7781	3	S[167]	21	2318.0111	1159.5092	**773.3419**	**580.2582**
501.1745	251.0909	167.7297	126.0491	4	L	20	2151.0127	1076.0100	**717.6758**	**538.5086**
558.1960	279.6016	186.7368	140.3044	5	G	19	2037.9286	1019.4680	**679.9811**	510.2376
695.2549	348.1311	232.4231	174.5692	6	H	18	1980.9072	990.9572	**660.9739**	**495.9823**
752.2763	376.6418	251.4303	188.8245	7	G	17	1843.8483	922.4278	**615.2876**	461.7175
849.3291	425.1682	283.7812	213.0877	8	P	16	1786.8268	893.9170	**596.2805**	447.4622
950.3768	475.6920	317.4638	238.3497	9	T	15	1689.7740	845.3907	**563.9295**	423.1990
1087.4357	**544.2215**	363.1501	272.6144	10	H	14	1588.7264	**794.8668**	**530.2470**	397.9371
1184.4884	592.7479	395.5010	296.8776	11	P	13	1451.6675	**726.3374**	**484.5607**	363.6723
1271.5205	636.2639	424.5117	318.6356	12	S	12	1354.6147	677.8110	452.2098	339.4091
1385.5634	**693.2853**	462.5260	347.1463	13	N	11	1267.5827	634.2950	423.1991	317.6511
1516.6039	**758.8056**	506.2061	**379.9064**	14	M	10	1153.5397	**577.2735**	385.1848	**289.1404**
1603.6359	**802.3216**	**535.2168**	401.6644	15	S	9	1022.4992	511.7533	341.5046	256.3803
1717.6788	**859.3431**	**573.2311**	430.1752	16	N	8	**935.4672**	468.2372	312.4939	234.6223
1816.7473	**908.8773**	**606.2539**	454.9423	17	V	7	**821.4243**	411.2158	274.4796	206.1115
1931.7742	966.3907	644.5963	483.6990	18	D	6	**722.3559**	**361.6816**	241.4568	181.3444
2046.8011	**1023.9042**	682.9386	512.4557	19	D	5	**607.3289**	304.1681	203.1145	152.5877
2159.8852	1080.4462	720.6333	540.7268	20	L	4	**492.3020**	246.6546	164.7722	123.8310
2246.9172	1123.9623	**749.6439**	**562.4848**	21	S	3	**379.2179**	190.1126	127.0775	95.5599
2383.9761	1192.4917	**795.3302**	**596.7495**	22	H	2	292.1859	146.5966	98.0668	73.8019
				23	K[136]	1	155.1270	78.0671	52.3805	39.5372

Annotated spectra from Saleem et. al. 2009

K.HAPPPVPNETDNDSQY$_{243}$VQDEK$_{136}$.S/3

0.9118

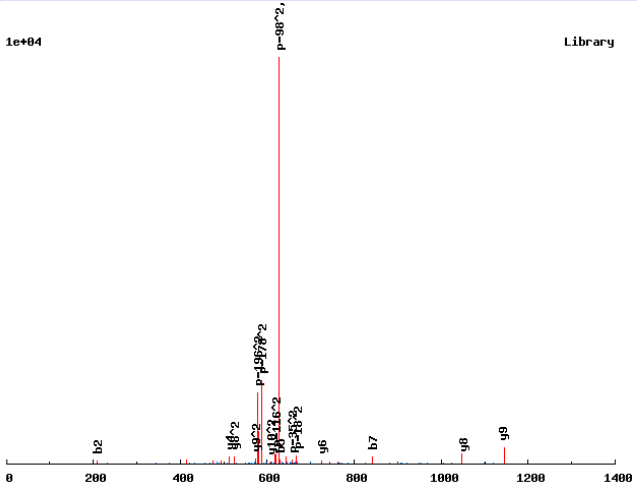


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	21			
209.1033	105.0553	70.3726	2	A	20	2330.9904	**1165.9988**	777.6683
306.1561	153.5817	102.7235	3	P	19	2259.9533	**1130.4803**	753.9893
403.2088	202.1080	135.0745	4	P	18	2162.9005	**1081.9539**	721.6384
500.2616	250.6344	167.4254	5	P	17	2065.8477	**1033.4275**	689.2874
599.3300	300.1686	200.4482	6	V	16	1968.7950	984.9011	656.9365
696.3828	348.6950	232.7991	7	P	15	1869.7266	**935.3669**	623.9137
810.4257	405.7165	270.8134	8	N	14	1772.6738	886.8405	591.5628
939.4683	470.2378	313.8276	9	E	13	1658.6309	829.8191	553.5485
1040.5159	520.7616	347.5102	10	T	12	1529.5883	**765.2978**	**510.5343**
1155.5429	578.2751	385.8525	11	D	11	**1428.5406**	714.7739	476.8517
1269.5858	635.2966	423.8668	12	N	10	1313.5137	**657.2605**	438.5094
1384.6128	**692.8100**	462.2091	13	D	9	1199.4707	**600.2390**	400.4951
1471.6448	736.3260	491.2198	14	S	8	**1084.4438**	542.7255	362.1528
1599.7034	**800.3553**	533.9060	15	Q	7	997.4118	499.2095	333.1421
1842.7330	**921.8702**	614.9159	16	Y[243]	6	869.3532	435.1802	290.4559
1941.8014	**971.4044**	647.9387	17	V	5	**626.3235**	313.6654	209.4460
2069.8600	**1035.4337**	690.6249	18	Q	4	**527.2551**	264.1312	176.4232
2184.8870	1092.9471	728.9672	19	D	3	**399.1965**	200.1019	133.7370
2313.9296	**1157.4684**	**771.9814**	20	E	2	284.1696	142.5884	95.3947
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.HAPS$_{167}$RPDS$_{167}$IGR.E/2

0.9999

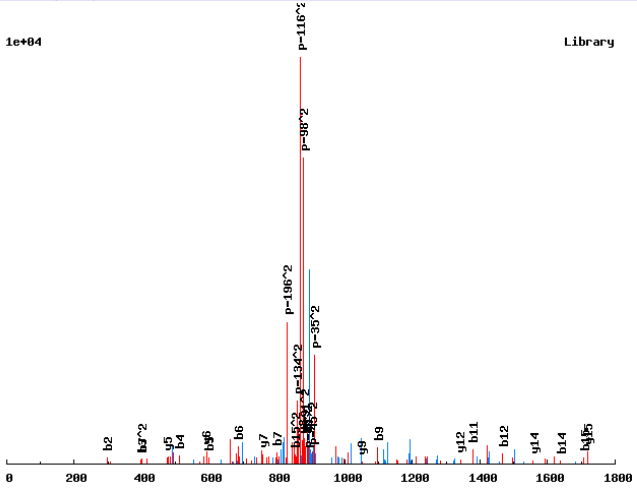


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	11		
209.1033	105.0553	2	A	10	1215.4919	**608.2496**
306.1561	153.5817	3	P	9	**1144.4548**	**572.7310**
473.1544	237.0809	4	S[167]	8	**1047.4020**	**524.2046**
629.2555	315.1314	5	R	7	880.4036	440.7055
726.3083	363.6578	6	P	6	**724.3025**	362.6549
841.3352	421.1713	7	D	5	**627.2498**	314.1285
1008.3336	504.6704	8	S[167]	4	**512.2228**	256.6151
1121.4177	561.2125	9	I	3	345.2245	173.1159
1178.4391	589.7232	10	G	2	232.1404	116.5738
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.HC$_{160}$TISSDT$_{181}$DS$_{167}$DSGNAK.A/2

0.9995

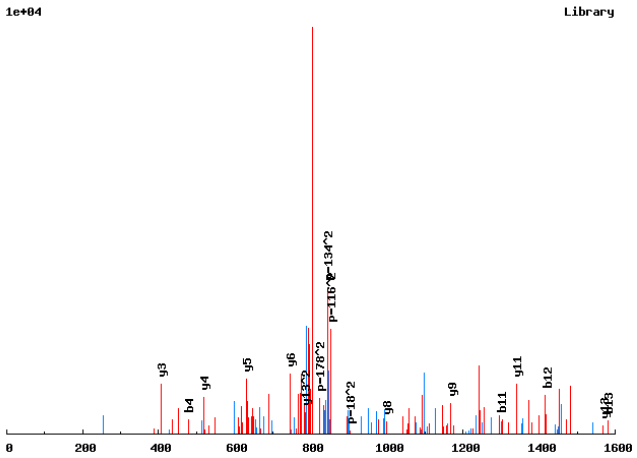


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	16		
298.0968	149.5521	2	C[160]	15	**1717.5660**	859.2866
399.1445	200.0759	3	T	14	**1557.5353**	779.2713
512.2286	256.6179	4	I	13	1456.4876	728.7475
599.2606	300.1339	5	S	12	**1343.4036**	672.2054
686.2926	343.6500	6	S	11	1256.3716	628.6894
801.3196	**401.1634**	7	D	10	1169.3395	585.1734
982.3336	491.6704	8	T[181]	9	**1054.3126**	527.6599
1097.3605	549.1839	9	D	8	**873.2986**	437.1529
1264.3589	632.6831	10	S[167]	7	**758.2716**	379.6395
1379.3858	690.1966	11	D	6	**591.2733**	296.1403
1466.4179	733.7126	12	S	5	**476.2463**	238.6268
1523.4393	762.2233	13	G	4	389.2143	195.1108
1637.4823	819.2448	14	N	3	332.1928	166.6001
1708.5194	**854.7633**	15	A	2	218.1499	109.5786
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.HDNLSSS$_{167}$SS$_{167}$DIIYGR$_{166}$N/2

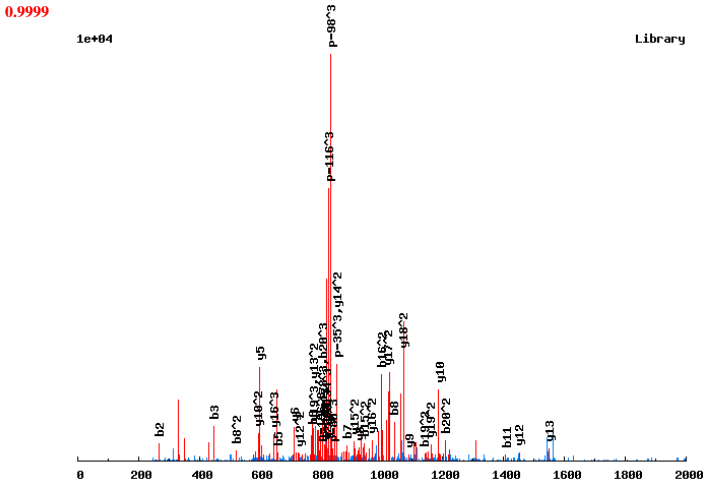
0.6139



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	15		
253.0931	127.0502	2	D	14	1683.6538	842.3305
367.1361	184.0717	3	N	13	**1568.6269**	**784.8171**
480.2201	240.6137	4	L	12	1454.5839	727.7956
567.2522	284.1297	5	S	11	**1341.4999**	671.2536
654.2842	327.6457	6	S	10	1254.4679	627.7376
821.2825	411.1449	7	S[167]	9	**1167.4358**	584.2216
908.3146	454.6609	8	S	8	**1000.4375**	500.7224
1075.3129	538.1601	9	S[167]	7	913.4054	457.2064
1190.3399	595.6736	10	D	6	**746.4071**	373.7072
1303.4239	652.2156	11	I	5	**631.3801**	316.1937
1416.5080	708.7576	12	I	4	**518.2961**	259.6517
1579.5713	790.2893	13	Y	3	**405.2120**	203.1096
1636.5928	818.8000	14	G	2	242.1487	121.5780
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.HET$_{181}$PLNIRPTS$_{167}$PYTLNPPVER.D/3

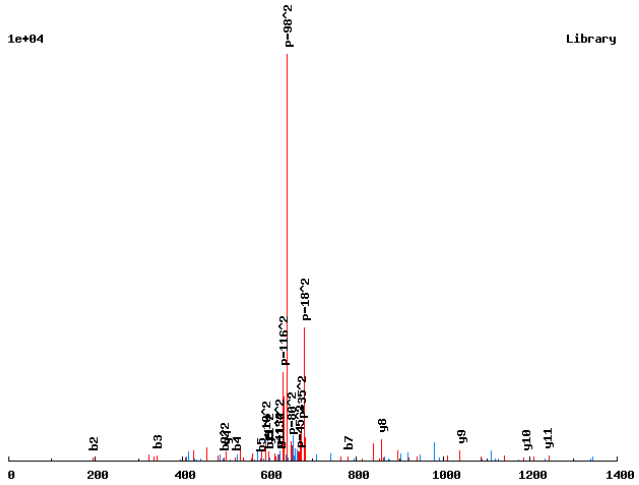


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	21			
267.1088	134.0580	89.7078	2	E	20	2454.1466	1227.5769	**818.7204**
448.1228	224.5650	150.0458	3	T[181]	19	2325.1040	**1163.0556**	**775.7062**
545.1756	273.0914	182.3967	4	P	18	2144.0900	**1072.5486**	715.3682
658.2596	329.6334	220.0914	5	L	17	2047.0372	**1024.0222**	683.0173
772.3025	386.6549	258.1057	6	N	16	1933.9531	**967.4802**	**645.3226**
885.3866	443.1969	295.8004	7	I	15	1819.9102	**910.4587**	607.3083
1041.4877	**521.2475**	347.8341	8	R	14	1706.8261	**853.9167**	569.6136
1138.5405	569.7739	380.1850	9	P	13	**1550.7250**	**775.8662**	517.5799
1239.5882	620.2977	413.8676	10	T	12	**1453.6723**	**727.3398**	485.2289
1406.5865	703.7969	469.5337	11	S[167]	11	1352.6246	676.8159	451.5464
1503.6393	752.3233	501.8846	12	P	10	**1185.6262**	**593.3168**	395.8803
1666.7026	833.8549	556.2391	13	Y	9	**1088.5735**	544.7904	363.5293
1767.7503	884.3788	589.9216	14	T	8	**925.5101**	463.2587	309.1749
1880.8343	**940.9208**	627.6163	15	L	7	**824.4625**	412.7349	275.4923
1994.8773	**997.9423**	665.6306	16	N	6	**711.3784**	356.1928	237.7977
2091.9300	1046.4687	697.9815	17	P	5	**597.3355**	299.1714	199.7833
2188.9828	1094.9950	730.3325	18	P	4	500.2827	250.6450	167.4324
2288.0512	**1144.5292**	763.3553	19	V	3	403.2299	202.1186	135.0815
2417.0938	**1209.0505**	**806.3695**	20	E	2	304.1615	152.5844	102.0587
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.HGFT$_{181}$GNSVNNSR$_{166}$.S/2

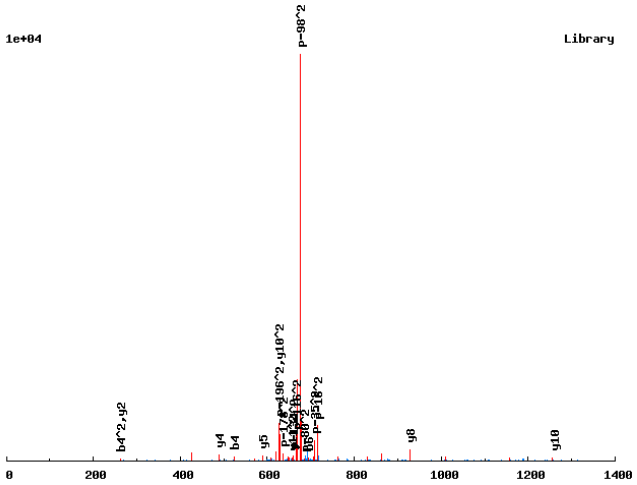
0.9702



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	12		
195.0876	98.0475	2	G	11	**1242.5138**	**621.7605**
342.1561	171.5817	3	F	10	**1185.4924**	**593.2498**
523.1701	262.0887	4	T[181]	9	**1038.4240**	519.7156
580.1915	290.5994	5	G	8	**857.4099**	429.2086
694.2345	347.6209	6	N	7	800.3885	400.6979
781.2665	391.1369	7	S	6	686.3455	343.6764
880.3349	440.6711	8	V	5	**599.3135**	300.1604
994.3778	**497.6926**	9	N	4	**500.2451**	250.6262
1108.4208	554.7140	10	N	3	386.2022	193.6047
1195.4528	**598.2300**	11	S	2	272.1592	136.5833
		12	R[166]	1	185.1272	93.0672

R.HGFT$_{181}$GNS$_{167}$VNNSR.S/2

1

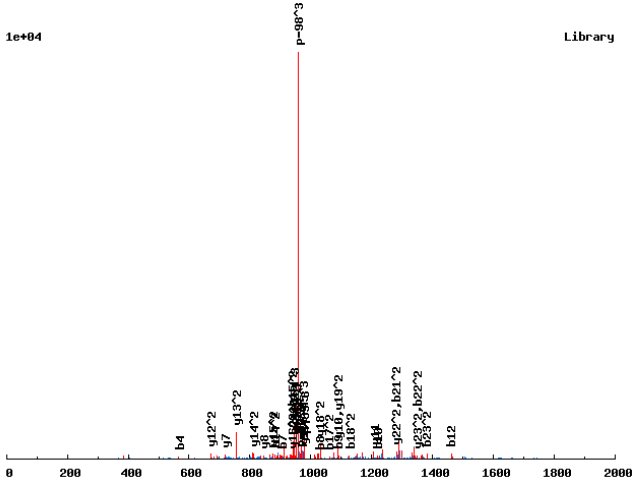


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	12		
195.0876	98.0475	2	G	11	1312.4719	**656.7396**
342.1561	171.5817	3	F	10	**1255.4504**	**628.2289**
523.1701	**262.0887**	4	T[181]	9	1108.3820	554.6946
580.1915	290.5994	5	G	8	**927.3680**	464.1876
694.2345	347.6209	6	N	7	870.3465	435.6769
861.2328	431.1201	7	S[167]	6	756.3036	378.6554
960.3012	480.6543	8	V	5	**589.3053**	295.1563
1074.3442	537.6757	9	N	4	**490.2368**	245.6221
1188.3871	594.6972	10	N	3	376.1939	188.6006
1275.4191	638.2132	11	S	2	**262.1510**	131.5791
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.HHQYGS$_{167}$DEGEQDYHDDEQGEEQAGK.Q/3

0.9998

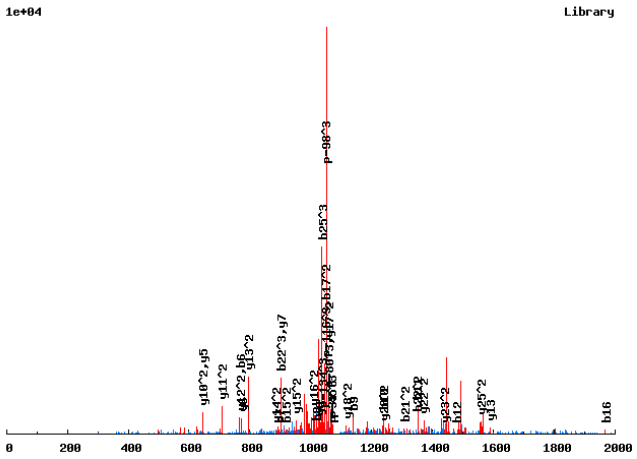


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	25			
275.1251	138.0662	92.3799	2	H	24	2831.0336	1416.0205	**944.3494**
403.1837	202.0955	135.0661	3	Q	23	2693.9747	**1347.4910**	898.6631
566.2470	283.6271	189.4205	4	Y	22	2565.9161	**1283.4617**	855.9769
623.2685	312.1379	208.4277	5	G	21	2402.8528	1201.9300	801.6225
790.2668	395.6371	264.0938	6	S[167]	20	2345.8313	1173.4193	782.6153
905.2938	453.1505	302.4361	7	D	19	2178.8330	**1089.9201**	726.9492
1034.3364	517.6718	345.4503	8	E	18	2063.8060	**1032.4067**	688.6069
1091.3578	546.1826	364.4575	9	G	17	1934.7634	**967.8854**	645.5927
1220.4004	610.7038	407.4717	10	E	16	1877.7420	**939.3746**	626.5855
1348.4590	674.7331	450.1579	11	Q	15	1748.6994	**874.8533**	583.5713
1463.4859	732.2466	488.5002	12	D	14	1620.6408	**810.8240**	540.8851
1626.5493	813.7783	542.8546	13	Y	13	1505.6139	**753.3106**	502.5428
1763.6082	**882.3077**	588.5409	14	H	12	1342.5505	**671.7789**	448.1884
1878.6351	**939.8212**	626.8832	15	D	11	**1205.4916**	603.2495	402.5021
1993.6621	997.3347	665.2255	16	D	10	**1090.4647**	545.7360	364.1598
2122.7046	**1061.8560**	708.2397	17	E	9	**975.4378**	488.2225	325.8174
2250.7632	**1125.8853**	750.9259	18	Q	8	**846.3952**	423.7012	282.8032
2307.7847	1154.3960	769.9331	19	G	7	**718.3366**	359.6719	240.1171
2436.8273	1218.9173	812.9473	20	E	6	661.3151	331.1612	221.1099
2565.8699	**1283.4386**	855.9615	21	E	5	532.2725	266.6399	178.0957
2693.9284	**1347.4679**	898.6477	22	Q	4	403.2299	202.1186	135.0815
2764.9656	**1382.9864**	922.3267	23	A	3	275.1714	138.0893	92.3953
2821.9870	1411.4971	**941.3339**	24	G	2	204.1343	102.5708	68.7163
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.HIQEEEEQDVDMT$_{181}$GDEEQEEEPDREK.I/3

1

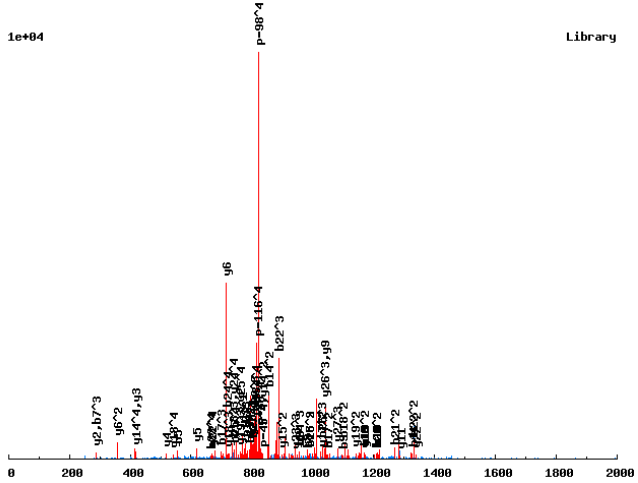


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	26			
251.1502	126.0788	84.3883	2	I	25	3116.2045	**1558.6059**	1039.4064
379.2088	190.1081	127.0745	3	Q	24	3003.1204	1502.0639	1001.7117
508.2514	254.6293	170.0887	4	E	23	2875.0619	**1438.0346**	959.0255
637.2940	319.1506	213.1029	5	E	22	2746.0193	**1373.5133**	916.0113
766.3366	383.6719	256.1171	6	E	21	2616.9767	1308.9920	872.9971
895.3792	448.1932	299.1313	7	E	20	2487.9341	**1244.4707**	829.9829
1023.4378	512.2225	341.8174	8	Q	19	2358.8915	1179.9494	786.9687
1138.4647	569.7360	380.1598	9	D	18	2230.8329	**1115.9201**	744.2825
1237.5331	619.2702	413.1826	10	V	17	2115.8060	**1058.4066**	705.9402
1352.5601	676.7837	451.5249	11	D	16	2016.7376	**1008.8724**	672.9174
1483.6006	742.3039	495.2050	12	M	15	1901.7106	**951.3590**	634.5751
1664.6146	832.8109	555.5430	13	T[181]	14	1770.6701	**885.8387**	590.8949
1721.6360	861.3217	574.5502	14	G	13	**1589.6561**	**795.3317**	530.5569
1836.6630	**918.8351**	612.8925	15	D	12	1532.6347	**766.8210**	511.5497
1965.7056	983.3564	655.9067	16	E	11	1417.6077	**709.3075**	473.2074
2094.7481	**1047.8777**	698.9209	17	E	10	1288.5651	**644.7862**	430.1932
2222.8067	1111.9070	741.6071	18	Q	9	1159.5225	580.2649	387.1790
2351.8493	1176.4283	784.6213	19	E	8	**1031.4640**	516.2356	344.4928
2480.8919	1240.9496	827.6355	20	E	7	**902.4214**	451.7143	301.4786
2609.9345	**1305.4709**	870.6497	21	E	6	**773.3788**	387.1930	258.4645
2706.9873	**1353.9973**	**903.0006**	22	P	5	**644.3362**	322.6717	215.4503
2822.0142	1411.5107	941.3429	23	D	4	547.2834	274.1454	183.0993
2978.1153	1489.5613	993.3766	24	R	3	432.2565	216.6319	144.7570
3107.1579	1554.0826	**1036.3908**	25	E	2	276.1554	138.5813	92.7233
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.HISTDFS$_{167}$DDDLEKEEHNDQSLQPTVENR.A/4

0.9141

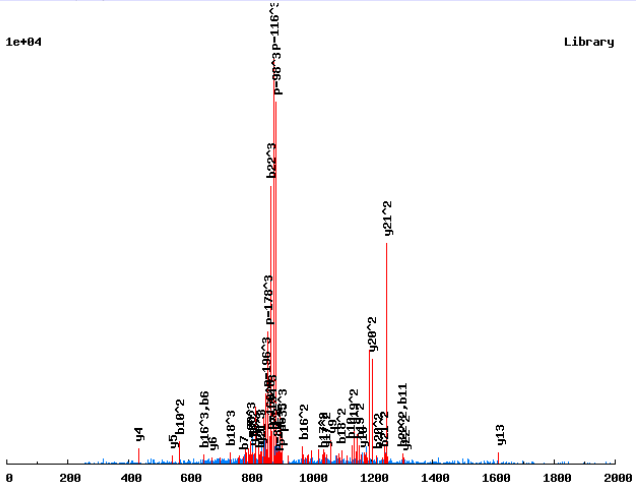


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
138.0662	69.5367	46.6936	35.2720	1	H	28				
251.1502	126.0788	84.3883	63.5430	2	I	27	3241.3804	1621.1939	**1081.1317**	811.1006
338.1823	169.5948	113.3989	85.3010	3	S	26	3128.2964	1564.6518	**1043.4370**	782.8296
439.2300	220.1186	147.0815	110.5629	4	T	25	3041.2644	1521.1358	1014.4263	**761.0715**
554.2569	277.6321	185.4238	139.3197	5	D	24	2940.2167	1470.6120	980.7437	**735.8096**
701.3253	351.1663	234.4466	176.0868	6	F	23	2825.1897	1413.0985	**942.4014**	707.0529
868.3237	434.6655	**290.1127**	217.8364	7	S[167]	22	2678.1213	**1339.5643**	893.3786	**670.2858**
983.3506	492.1789	328.4551	246.5931	8	D	21	2511.1230	1256.0651	837.7125	628.5362
1098.3776	549.6924	366.7974	275.3498	9	D	20	2396.0960	1198.5516	**799.3702**	599.7795
1213.4045	607.2059	405.1397	304.1066	10	D	19	2281.0691	**1141.0382**	**761.0279**	571.0227
1326.4886	663.7479	442.8344	332.3776	11	L	18	2166.0421	1083.5247	**722.6856**	**542.2660**
1455.5311	728.2692	485.8486	364.6382	12	E	17	2052.9581	**1026.9827**	684.9909	513.9950
1583.6261	**792.3167**	528.5469	396.6620	13	K	16	1923.9155	962.4614	641.9767	481.7343
1712.6687	**856.8380**	571.5611	428.9226	14	E	15	1795.8205	**898.4139**	599.2784	449.7106
1841.7113	921.3593	614.5753	461.1833	15	E	14	1666.7779	**833.8926**	556.2642	**417.4499**
1978.7702	**989.8887**	660.2616	495.4480	16	H	13	1537.7354	**769.3713**	513.2500	385.1893
2092.8131	**1046.9102**	**698.2759**	523.9587	17	N	12	1400.6764	700.8419	467.5637	350.9246
2207.8401	**1104.4237**	**736.6182**	552.7155	18	D	11	**1286.6335**	643.8204	429.5494	322.4138
2335.8986	**1168.4530**	**779.3044**	584.7301	19	Q	10	**1171.6066**	586.3069	391.2070	293.6571
2422.9307	**1211.9690**	**808.3151**	606.4881	20	S	9	**1043.5480**	522.2776	348.5209	261.6425
2536.0147	**1268.5110**	846.0098	634.7591	21	L	8	**956.5160**	478.7616	319.5102	239.8845
2664.0733	**1332.5403**	**888.6960**	**666.7738**	22	Q	7	843.4319	422.2196	281.8155	211.6134
2761.1261	1381.0667	921.0469	691.0370	23	P	6	**715.3733**	**358.1903**	239.1293	179.5988
2862.1738	1431.5905	**954.7294**	**716.2989**	24	T	5	**618.3206**	309.6639	206.7784	155.3356
2961.2422	1481.1247	**987.7522**	**741.0660**	25	V	4	**517.2729**	259.1401	173.0958	130.0737
3090.2848	1545.6460	**1030.7664**	773.3266	26	E	3	**418.2045**	209.6059	140.0730	105.3066
3204.3277	1602.6675	1068.7807	**801.8374**	27	N	2	**289.1619**	145.0846	97.0588	73.0459
				28	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

K.HLPDADEKIDS$_{167}$T$_{181}$TTFDQEINGDK.L/3

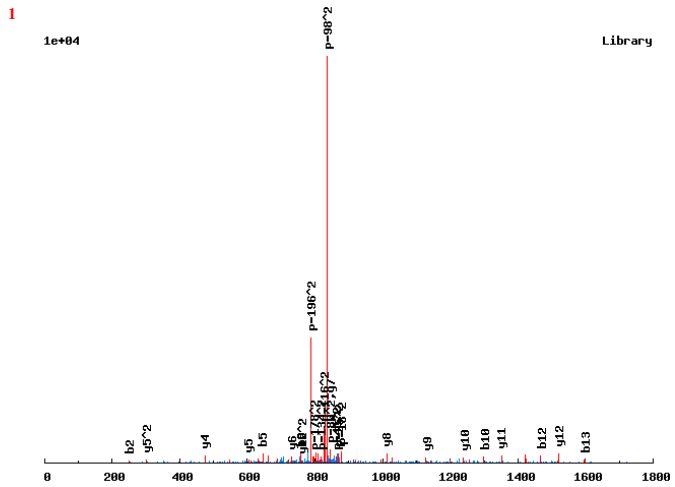
0.8911



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	23			
251.1502	126.0788	84.3883	2	L	22	2612.0688	**1306.5380**	871.3611
348.2030	174.6051	116.7392	3	P	21	2498.9847	**1249.9960**	**833.6664**
463.2299	232.1186	155.0815	4	D	20	2401.9320	**1201.4696**	**801.3155**
534.2671	267.6372	178.7605	5	A	19	2286.9050	**1143.9562**	762.9732
649.2940	325.1506	217.1029	6	D	18	2215.8679	1108.4376	739.2942
778.3366	389.6719	260.1171	7	E	17	2100.8410	**1050.9241**	700.9519
906.4316	453.7194	302.8154	8	K	16	1971.7984	986.4028	657.9377
1019.5156	510.2614	340.5101	9	I	15	1843.7034	922.3554	615.2393
1134.5426	**567.7749**	378.8524	10	D	14	1730.6194	865.8133	577.5446
1301.5409	651.2741	434.5185	11	S[167]	13	**1615.5924**	**808.2999**	539.2023
1482.5549	741.7811	494.8565	12	T[181]	12	1448.5941	724.8007	483.5362
1583.6026	792.3049	528.5391	13	T	11	1267.5801	634.2937	423.1982
1684.6503	842.8288	562.2216	14	T	10	**1166.5324**	583.7698	389.5156
1831.7187	916.3630	611.2444	15	F	9	**1065.4847**	533.2460	355.8331
1946.7456	**973.8765**	**649.5867**	16	D	8	918.4163	459.7118	306.8103
2074.8042	**1037.9057**	692.2729	17	Q	7	**803.3894**	402.1983	268.4680
2203.8468	**1102.4270**	**735.2871**	18	E	6	**675.3308**	338.1690	225.7818
2316.9309	**1158.9691**	772.9818	19	I	5	**546.2882**	273.6477	182.7676
2430.9738	**1215.9905**	810.9961	20	N	4	**433.2041**	217.1057	145.0729
2487.9953	**1244.5013**	**830.0033**	21	G	3	319.1612	160.0842	107.0586
2603.0222	**1302.0147**	**868.3456**	22	D	2	262.1397	131.5735	88.0514
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.HLS$_{167}$NILS$_{167}$NEEGIER.L/2

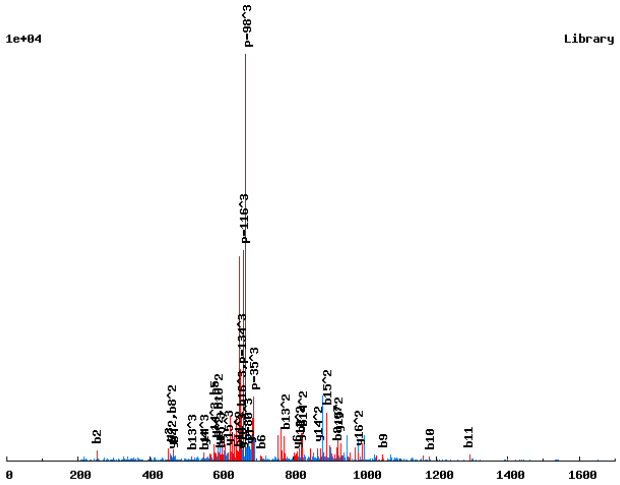


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	14		
251.1502	126.0788	2	L	13	1633.6870	817.3471
418.1486	209.5779	3	S[167]	12	**1520.6029**	**760.8051**
532.1915	266.5994	4	N	11	**1353.6046**	677.3059
645.2756	323.1414	5	I	10	**1239.5617**	620.2845
758.3597	379.6835	6	L	9	**1126.4776**	563.7424
925.3580	463.1827	7	S[167]	8	**1013.3935**	507.2004
1039.4010	520.2041	8	N	7	**846.3952**	423.7012
1168.4435	584.7254	9	E	6	**732.3522**	366.6798
1297.4861	649.2467	10	E	5	**603.3097**	**302.1585**
1354.5076	677.7574	11	G	4	**474.2671**	237.6372
1467.5917	734.2995	12	I	3	417.2456	209.1264
1596.6342	798.8208	13	E	2	304.1615	152.5844
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.HNDVIENVEEDKEVHT$_{181}$N.-/3

0.9997

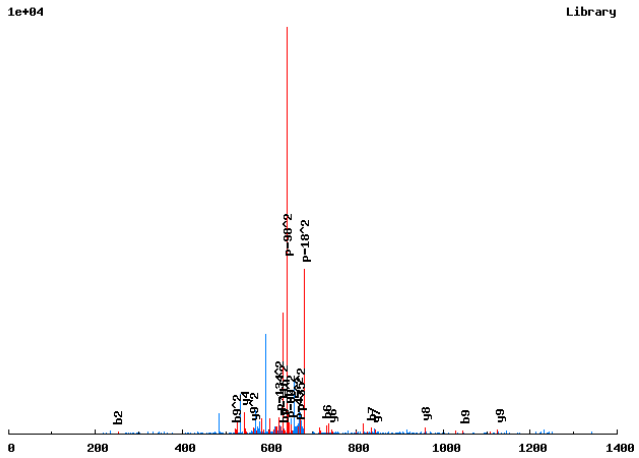


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	17			
252.1091	126.5582	84.7079	2	N	16	1963.8280	**982.4177**	**655.2809**
367.1361	184.0717	123.0502	3	D	15	1849.7851	**925.3962**	**617.2666**
466.2045	233.6059	156.0730	4	V	14	1734.7582	**867.8827**	**578.9242**
579.2885	290.1479	193.7677	5	I	13	1635.6898	**818.3485**	545.9014
708.3311	354.6692	236.7819	6	E	12	1522.6057	761.8065	508.2068
822.3741	411.6907	274.7962	7	N	11	1393.5631	697.2852	465.1926
921.4425	**461.2249**	307.8190	8	V	10	1279.5202	640.2637	427.1782
1050.4851	525.7462	350.8332	9	E	9	1180.4518	**590.7295**	394.1554
1179.5276	**590.2675**	393.8474	10	E	8	1051.4092	526.2082	351.1412
1294.5546	**647.7809**	432.1897	11	D	7	**922.3666**	**461.6869**	308.1271
1422.6495	711.8284	474.8880	12	K	6	**807.3397**	404.1735	269.7847
1551.6921	**776.3497**	**517.9022**	13	E	5	**679.2447**	340.1260	227.0864
1650.7605	**825.8839**	**550.9250**	14	V	4	**550.2021**	275.6047	184.0722
1787.8194	**894.4134**	**596.6113**	15	H	3	**451.1337**	226.0705	151.0494
1968.8335	984.9204	**656.9493**	16	T[181]	2	314.0748	157.5410	105.3631
			17	N	1	133.0608	67.0340	45.0251

Annotated spectra from Saleem et. al. 2009

R.HNS$_{167}$NTVTPNFR$_{166}$.R/2

0.6122

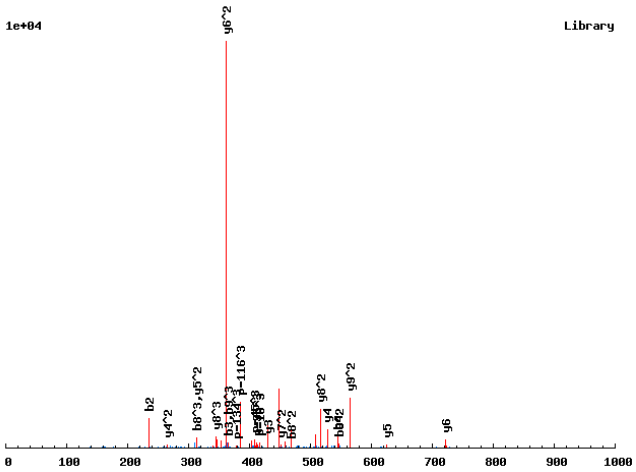


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	11		
252.1091	126.5582	2	N	10	1239.5393	620.2733
419.1075	210.0574	3	S[167]	9	**1125.4964**	**563.2518**
533.1504	267.0788	4	N	8	**958.4980**	479.7526
634.1981	317.6027	5	T	7	**844.4551**	422.7312
733.2665	367.1369	6	V	6	**743.4074**	372.2073
834.3142	417.6607	7	T	5	**644.3390**	322.6731
931.3669	466.1871	8	P	4	**543.2913**	272.1493
1045.4099	**523.2086**	9	N	3	446.2386	223.6229
1192.4783	596.7428	10	F	2	332.1956	166.6015
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.HPET$_{181}$PPVRR.A/3

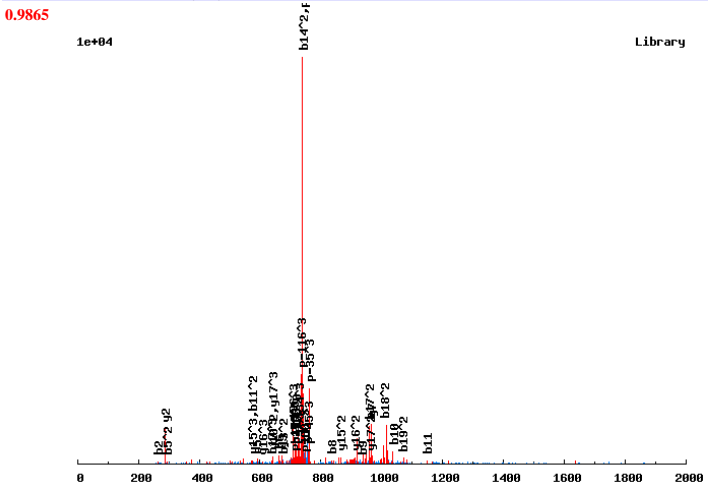
0.983



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	10			
235.1190	118.0631	79.0445	2	P	9	1128.5561	**564.7817**	376.8569
364.1615	182.5844	122.0587	3	E	8	1031.5034	**516.2553**	**344.5060**
545.1756	273.0914	182.3967	4	T[181]	7	902.4608	**451.7340**	301.4918
642.2283	321.6178	214.7476	5	P	6	**721.4468**	**361.2270**	241.1538
739.2811	370.1442	247.0985	6	P	5	**624.3940**	**312.7006**	208.8029
836.3338	418.6706	279.4495	7	P	4	**527.3412**	**264.1743**	176.4519
935.4022	**468.2048**	**312.4723**	8	V	3	**430.2885**	215.6479	144.1010
1091.5034	**546.2553**	**364.5060**	9	R	2	331.2201	166.1137	111.0782
			10	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.HQQPVASSTVNSNKS$_{167}$S$_{167}$TDIR.R/3

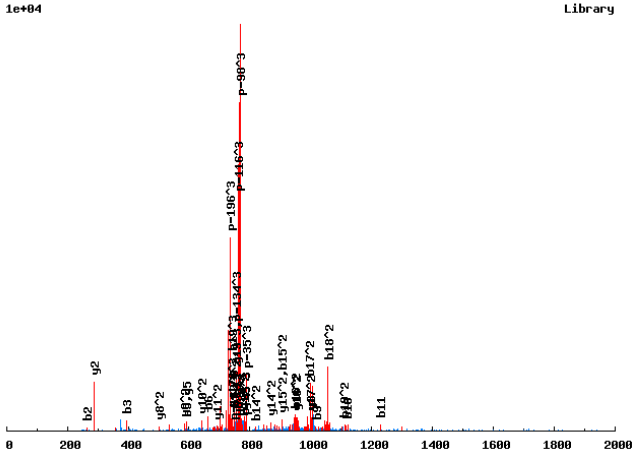


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	20			
266.1248	133.5660	89.3798	2	Q	19	2178.9428	1089.9750	726.9858
394.1833	197.5953	132.0660	3	Q	18	2050.8842	1025.9457	684.2996
491.2361	246.1217	164.4169	4	P	17	1922.8256	**961.9165**	**641.6134**
590.3045	**295.6559**	197.4397	5	V	16	1825.7729	**913.3901**	**609.2625**
661.3416	331.1745	221.1187	6	A	15	1726.7045	**863.8559**	**576.2397**
748.3737	374.6905	250.1294	7	S	14	1655.6674	828.3373	552.5606
835.4057	418.2065	279.1401	8	S	13	1568.6353	784.8213	523.5500
936.4534	468.7303	312.8226	9	T	12	1481.6033	**741.3053**	494.5393
1035.5218	518.2645	345.8454	10	V	11	1380.5556	690.7814	460.8567
1149.5647	**575.2860**	383.8598	11	N	10	1281.4872	**641.2472**	427.8339
1236.5967	618.8020	412.8704	12	S	9	1167.4443	584.2258	389.8196
1350.6397	**675.8235**	450.8847	13	N	8	1080.4122	540.7098	360.8089
1478.7346	**739.8710**	493.5831	14	K	7	**966.3693**	483.6883	322.7946
1645.7330	823.3701	549.2492	15	S[167]	6	838.2744	419.6408	280.0963
1812.7314	906.8693	604.9153	16	S[167]	5	**671.2760**	336.1416	224.4302
1913.7790	**957.3932**	**638.5979**	17	T	4	504.2776	252.6425	168.7641
2028.8060	**1014.9066**	676.9402	18	D	3	403.2299	202.1186	135.0815
2141.8900	**1071.4487**	**714.6349**	19	I	2	**288.2030**	144.6051	96.7392
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.HQQPVASST$_{181}$VNS$_{167}$NKS$_{167}$STDIR.R/3

0.8596

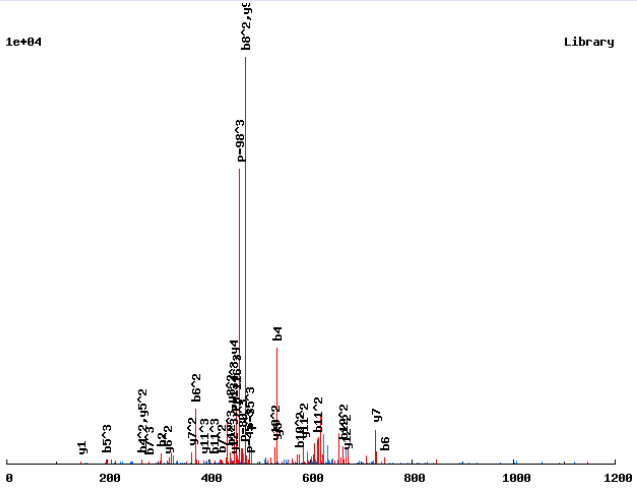


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	20			
266.1248	133.5660	89.3798	2	Q	19	2258.9091	1129.9582	**753.6412**
394.1833	197.5953	132.0660	3	Q	18	2130.8505	1065.9289	710.9550
491.2361	246.1217	164.4169	4	P	17	2002.7920	**1001.8996**	668.2688
590.3045	295.6559	197.4397	5	V	16	1905.7392	**953.3732**	635.9179
661.3416	331.1745	221.1187	6	A	15	1806.6708	**903.8390**	602.8951
748.3737	374.6905	250.1294	7	S	14	1735.6337	**868.3205**	579.2161
835.4057	418.2065	279.1401	8	S	13	1648.6017	824.8045	550.2054
1016.4197	508.7135	339.4781	9	T[181]	12	1561.5696	**781.2885**	521.1947
1115.4881	558.2477	372.5009	10	V	11	1380.5556	**690.7814**	460.8567
1229.5310	615.2692	410.5152	11	N	10	1281.4872	**641.2472**	427.8339
1396.5294	698.7683	466.1813	12	S[167]	9	1167.4443	**584.2258**	389.8196
1510.5723	**755.7898**	504.1956	13	N	8	**1000.4459**	**500.7266**	334.1535
1638.6673	**819.8373**	546.8940	14	K	7	886.4030	443.7051	296.1392
1805.6657	**903.3365**	602.5601	15	S[167]	6	**758.3080**	379.6577	253.4409
1892.6977	**946.8525**	631.5707	16	S	5	**591.3097**	296.1585	197.7747
1993.7454	**997.3763**	665.2533	17	T	4	504.2776	252.6425	168.7641
2108.7723	**1054.8898**	703.5956	18	D	3	403.2299	202.1186	135.0815
2221.8564	**1111.4318**	**741.2903**	19	I	2	**288.2030**	144.6051	96.7392
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.HS$_{167}$IDGRPPSQATK.S/3

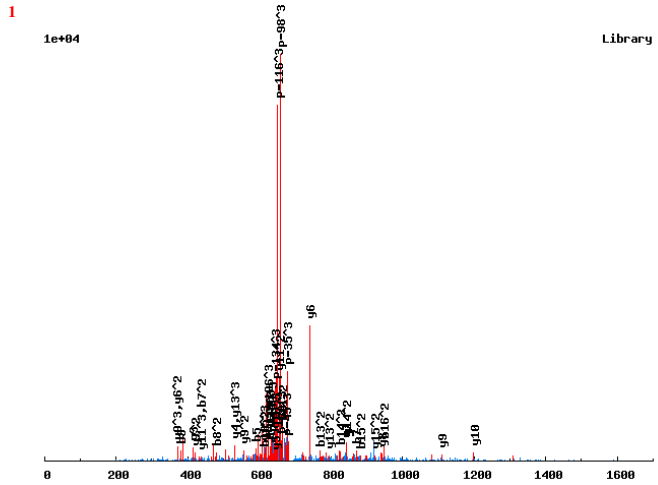
0.9941



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	13			
305.0646	153.0359	102.3597	2	S[167]	12	1336.6257	**668.8165**	**446.2134**
418.1486	209.5779	140.0544	3	I	11	1169.6273	**585.3173**	**390.5473**
533.1756	**267.0914**	178.3967	4	D	10	1056.5432	**528.7753**	352.8526
590.1970	295.6021	**197.4039**	5	G	9	941.5163	**471.2618**	314.5103
746.2981	**373.6527**	249.4376	6	R	8	884.4948	**442.7511**	295.5031
843.3509	**422.1791**	**281.7885**	7	P	7	**728.3937**	**364.7005**	243.4694
940.4036	**470.7055**	314.1394	8	P	6	631.3410	**316.1741**	211.1185
1027.4357	514.2215	343.1501	9	S	5	**534.2882**	**267.6477**	178.7676
1155.4943	**578.2508**	385.8363	10	Q	4	**447.2562**	224.1317	149.7569
1226.5314	**613.7693**	**409.5153**	11	A	3	319.1976	160.1024	107.0707
1327.5790	**664.2932**	**443.1979**	12	T	2	248.1605	124.5839	83.3917
			13	K	1	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.HSRPLS$_{167}$ISS$_{167}$TTPLDLQR.D/3

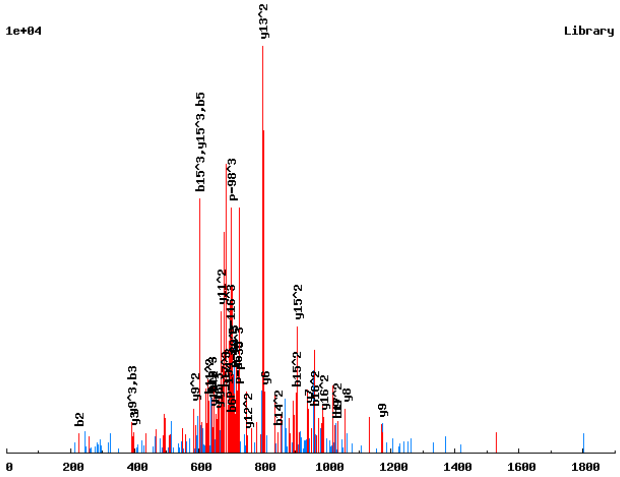


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	17			
225.0982	113.0528	75.7043	2	S	16	1930.9035	965.9554	**644.3060**
381.1993	191.1033	127.7380	3	R	15	1843.8715	**922.4394**	**615.2953**
478.2521	239.6297	160.0889	4	P	14	1687.7703	**844.3888**	563.2616
591.3362	296.1717	197.7836	5	L	13	1590.7176	**795.8624**	**530.9107**
758.3345	379.6709	253.4497	6	S[167]	12	1477.6335	739.3204	493.2160
871.4186	**436.2129**	291.1444	7	I	11	1310.6352	**655.8212**	**437.5499**
958.4506	**479.7289**	320.1551	8	S	10	**1197.5511**	599.2792	399.8552
1125.4490	563.2281	375.8212	9	S[167]	9	**1110.5191**	**555.7632**	**370.8445**
1226.4966	**613.7520**	409.5037	10	T	8	**943.5207**	472.2640	315.1784
1327.5443	**664.2758**	443.1863	11	T	7	**842.4730**	**421.7402**	281.4959
1424.5971	712.8022	475.5372	12	P	6	**741.4254**	**371.2163**	247.8133
1537.6811	**769.3442**	513.2319	13	L	5	**644.3726**	322.6899	215.4624
1652.7081	**826.8577**	551.5742	14	D	4	**531.2885**	266.1479	177.7677
1765.7921	**883.3997**	589.2689	15	L	3	**416.2616**	208.6344	139.4254
1893.8507	**947.4290**	**631.9551**	16	Q	2	303.1775	152.0924	101.7307
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.HSS$_{167}$PDPYGINDK$_{136}$FFDLEK$_{136}$.F/3

0.9834

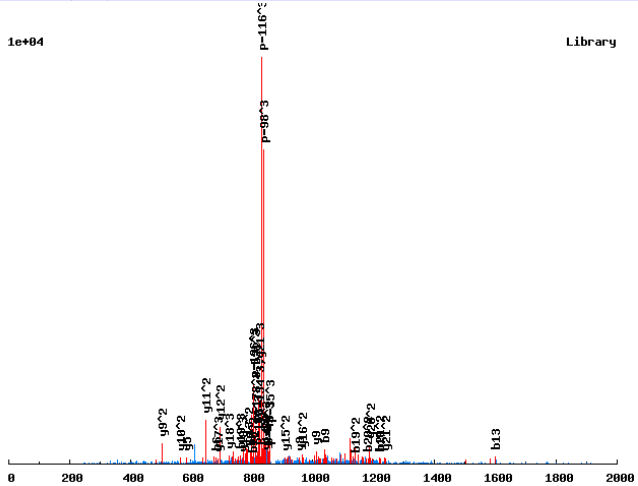


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	18			
225.0982	113.0528	75.7043	2	S	17	2067.9281	1034.4677	689.9809
392.0966	196.5519	131.3704	3	S[167]	16	1980.8961	**990.9517**	**660.9702**
489.1493	245.0783	163.7213	4	P	15	1813.8977	**907.4525**	**605.3041**
604.1763	302.5918	202.0636	5	D	14	1716.8450	858.9261	572.9532
701.2290	351.1182	234.4145	6	P	13	1601.8180	**801.4127**	534.6109
864.2924	432.6498	288.7690	7	Y	12	1504.7653	**752.8863**	502.2599
921.3138	461.1606	307.7761	8	G	11	1341.7020	**671.3546**	447.9055
1034.3979	517.7026	345.4708	9	I	10	1284.6805	**642.8439**	428.8984
1148.4408	574.7241	383.4851	10	N	9	**1171.5964**	**586.3019**	**391.2037**
1263.4678	**632.2375**	421.8274	11	D	8	**1057.5535**	529.2804	353.1894
1399.5769	700.2921	467.1972	12	K[136]	7	**942.5266**	471.7669	314.8470
1546.6453	773.8263	516.2200	13	F	6	**806.4174**	403.7123	269.4773
1693.7137	**847.3605**	565.2428	14	F	5	**659.3490**	330.1781	220.4545
1808.7407	**904.8740**	**603.5851**	15	D	4	512.2806	256.6439	171.4317
1921.8247	**961.4160**	**641.2798**	16	L	3	**397.2536**	199.1305	133.0894
2050.8673	**1025.9373**	**684.2940**	17	E	2	284.1696	142.5884	95.3947
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.HTAEDELEDT$_{181}$PS$_{167}$DGIEEHLSAR.K/3

0.9556

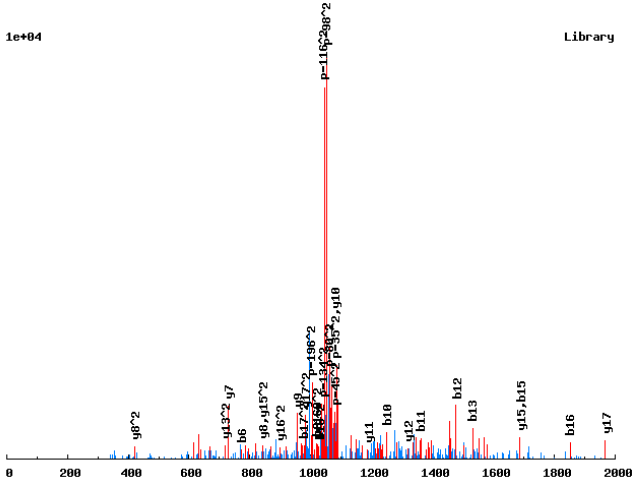


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	22			
239.1139	120.0606	80.3761	2	T	21	2473.9643	**1237.4858**	**825.3263**
310.1510	155.5791	104.0552	3	A	20	2372.9167	**1186.9620**	791.6437
439.1936	220.1004	147.0694	4	E	19	2301.8795	1151.4434	**767.9647**
554.2205	277.6139	185.4117	5	D	18	2172.8370	1086.9221	**724.9505**
683.2631	342.1352	228.4259	6	E	17	2057.8100	1029.4086	**686.6082**
796.3472	398.6772	266.1206	7	L	16	1928.7674	**964.8874**	643.5940
925.3898	463.1985	309.1348	8	E	15	1815.6834	**908.3453**	605.8993
1040.4167	520.7120	347.4771	9	D	14	1686.6408	**843.8240**	562.8851
1221.4307	611.2190	407.8151	10	T[181]	13	1571.6138	**786.3106**	524.5428
1318.4835	659.7454	440.1660	11	P	12	1390.5998	**695.8036**	464.2048
1485.4818	743.2446	495.8321	12	S[167]	11	1293.5471	**647.2772**	431.8539
1600.5088	**800.7580**	534.1744	13	D	10	1126.5487	**563.7780**	376.1878
1657.5302	829.2688	553.1816	14	G	9	**1011.5218**	**506.2645**	337.8454
1770.6143	885.8108	590.8763	15	I	8	**954.5003**	477.7538	318.8383
1899.6569	950.3321	633.8905	16	E	7	**841.4162**	421.2118	281.1436
2028.6995	1014.8534	676.9047	17	E	6	712.3737	356.6905	238.1294
2165.7584	1083.3828	722.5910	18	H	5	**583.3311**	292.1692	195.1152
2278.8424	**1139.9249**	**760.2857**	19	L	4	446.2721	223.6397	149.4289
2365.8745	**1183.4409**	789.2963	20	S	3	333.1881	167.0977	111.7342
2436.9116	**1218.9594**	**812.9754**	21	A	2	246.1561	123.5817	82.7235
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.HTS$_{167}$ISS$_{167}$NMTENIGPGS$_{167}$VPK$_{136}$.I/2

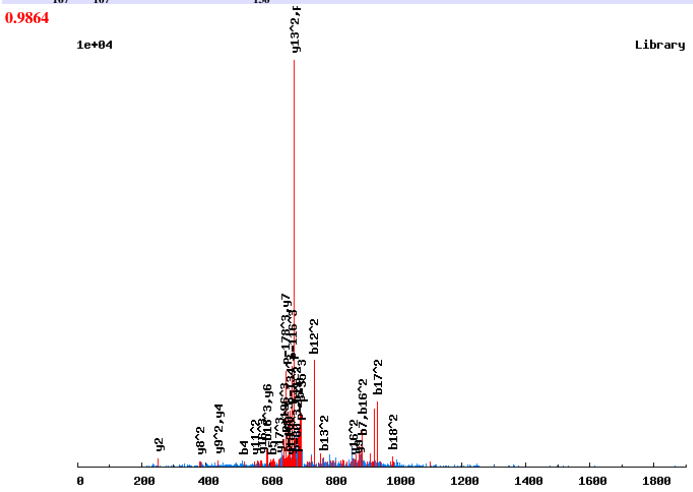
0.8999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
138.0662	69.5367	1	H	19		
239.1139	120.0606	2	T	18	2066.8034	1033.9053
406.1122	203.5598	3	S[167]	17	**1965.7557**	**983.3815**
519.1963	260.1018	4	I	16	1798.7573	**899.8823**
606.2283	303.6178	5	S	15	**1685.6733**	**843.3403**
773.2267	387.1170	6	S[167]	14	1598.6413	799.8243
887.2696	444.1384	7	N	13	1431.6429	**716.3251**
1018.3101	509.6587	8	M	12	**1317.6000**	659.3036
1119.3578	560.1825	9	T	11	**1186.5595**	593.7834
1248.4004	624.7038	10	E	10	**1085.5118**	543.2595
1362.4433	681.7253	11	N	9	**956.4692**	478.7382
1475.5274	738.2673	12	I	8	**842.4263**	**421.7168**
1532.5488	766.7781	13	G	7	**729.3422**	365.1747
1629.6016	815.3044	14	P	6	672.3208	336.6640
1686.6230	843.8152	15	G	5	575.2680	288.1376
1853.6214	927.3143	16	S[167]	4	518.2465	259.6269
1952.6898	**976.8485**	17	V	3	351.2482	176.1277
2049.7426	**1025.3749**	18	P	2	252.1798	126.5935
		19	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.HTS$_{167}$ISS$_{167}$NMTENIGPGSVPK$_{136}$.I/3

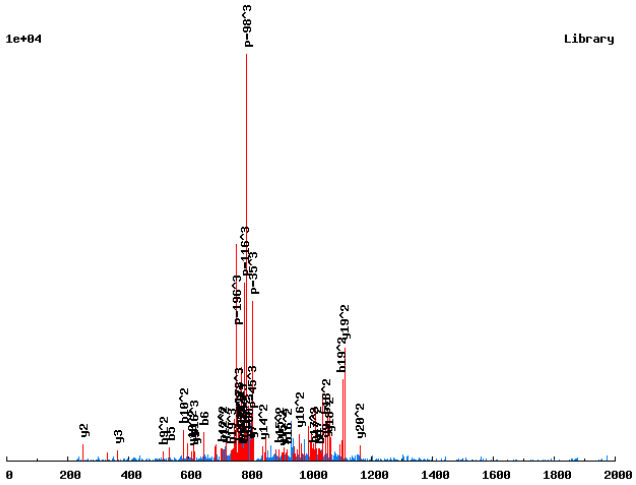


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	19			
239.1139	120.0606	80.3761	2	T	18	1986.8371	993.9222	**662.9505**
406.1122	203.5598	136.0423	3	S[167]	17	1885.7894	943.3983	**629.2680**
519.1963	260.1018	173.7370	4	I	16	1718.7910	**859.8991**	**573.6019**
606.2283	303.6178	202.7476	5	S	15	1605.7070	803.3571	535.9072
773.2267	387.1170	258.4137	6	S[167]	14	1518.6749	759.8411	506.8965
887.2696	444.1384	296.4281	7	N	13	1351.6766	**676.3419**	451.2304
1018.3101	509.6587	340.1082	8	M	12	1237.6336	619.3205	413.2161
1119.3578	560.1825	373.7908	9	T	11	1106.5931	**553.8002**	369.5359
1248.4004	624.7038	416.8050	10	E	10	1005.5455	503.2764	335.8533
1362.4433	**681.7253**	454.8193	11	N	9	**876.5029**	**438.7551**	292.8391
1475.5274	**738.2673**	492.5140	12	I	8	762.4599	**381.7336**	254.8248
1532.5488	**766.7781**	511.5211	13	G	7	**649.3759**	325.1916	217.1301
1629.6016	815.3044	543.8720	14	P	6	**592.3544**	296.6808	198.1230
1686.6230	843.8152	562.8792	15	G	5	495.3017	248.1545	165.7721
1773.6551	**887.3312**	**591.8899**	16	S	4	**438.2802**	219.6437	146.7649
1872.7235	**936.8654**	624.9127	17	V	3	351.2482	176.1277	117.7542
1969.7762	**985.3918**	657.2636	18	P	2	**252.1798**	126.5935	84.7314
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.HVIADLEDHESS$_{167}$DEEGT$_{181}$ALPK$_{136}$.K/3

0.9995

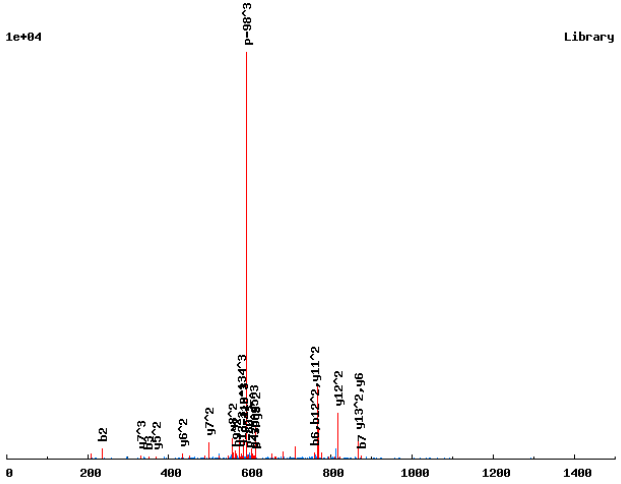


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	21			
237.1346	119.0709	79.7164	2	V	20	2322.9505	**1161.9789**	774.9884
350.2187	175.6130	117.4111	3	I	19	2223.8821	**1112.4447**	741.9656
421.2558	211.1315	141.0901	4	A	18	2110.7981	**1055.9027**	704.2709
536.2827	268.6450	179.4324	5	D	17	2039.7609	**1020.3841**	680.5918
649.3668	325.1870	217.1271	6	L	16	1924.7340	**962.8706**	642.2495
778.4094	389.7083	260.1413	7	E	15	1811.6499	**906.3286**	604.5548
893.4363	447.2218	298.4836	8	D	14	1682.6074	**841.8073**	561.5406
1030.4952	**515.7512**	344.1699	9	H	13	1567.5804	**784.2938**	523.1983
1159.5378	**580.2725**	387.1841	10	E	12	1430.5215	**715.7644**	477.5120
1246.5698	623.7886	416.1948	11	S	11	1301.4789	651.2431	434.4978
1413.5682	**707.2877**	471.8609	12	S[167]	10	1214.4469	**607.7271**	405.4871
1528.5951	**764.8012**	510.2032	13	D	9	**1047.4485**	524.2279	349.8210
1657.6377	829.3225	553.2174	14	E	8	932.4216	466.7144	311.4787
1786.6803	**893.8438**	596.2316	15	E	7	**803.3790**	402.1931	268.4645
1843.7018	**922.3545**	**615.2388**	16	G	6	674.3364	337.6718	225.4503
2024.7158	**1012.8615**	675.5768	17	T[181]	5	**617.3149**	309.1611	206.4432
2095.7529	**1048.3801**	699.2558	18	A	4	436.3009	218.6541	146.1052
2208.8370	**1104.9221**	**736.9505**	19	L	3	**365.2638**	183.1355	122.4261
2305.8897	1153.4485	**769.3014**	20	P	2	**252.1798**	126.5935	84.7314
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.HVIIT$_{181}$DDEEEEQR$_{166}$R$_{166}$.H/3

0.998

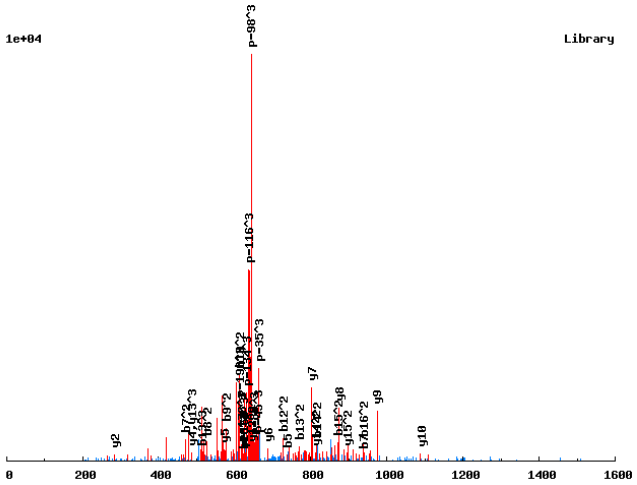


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	14			
237.1346	119.0709	79.7164	2	V	13	1731.7700	**866.3886**	**577.9282**
350.2187	175.6130	117.4111	3	I	12	1632.7015	**816.8544**	544.9054
463.3027	232.1550	155.1058	4	I	11	1519.6175	**760.3124**	507.2107
644.3167	322.6620	215.4438	5	T[181]	10	1406.5334	703.7704	469.5160
759.3437	380.1755	253.7861	6	D	9	1225.5194	**613.2633**	409.1780
874.3706	437.6889	292.1284	7	D	8	1110.4925	**555.7499**	370.8357
1003.4132	502.2102	335.1426	8	E	7	995.4655	**498.2364**	**332.4934**
1132.4558	**566.7315**	378.1568	9	E	6	**866.4229**	**433.7151**	289.4792
1261.4984	631.2528	421.1710	10	E	5	737.3804	**369.1938**	246.4650
1390.5410	695.7741	464.1852	11	E	4	**608.3378**	304.6725	203.4508
1518.5996	**759.8034**	506.8714	12	Q	3	479.2952	240.1512	160.4366
1684.7089	842.8581	562.2412	13	R[166]	2	351.2366	176.1219	117.7504
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.HVS$_{167}$R$_{166}$S$_{167}$SDITANDSSDEK$_{136}$.W/3

0.9886

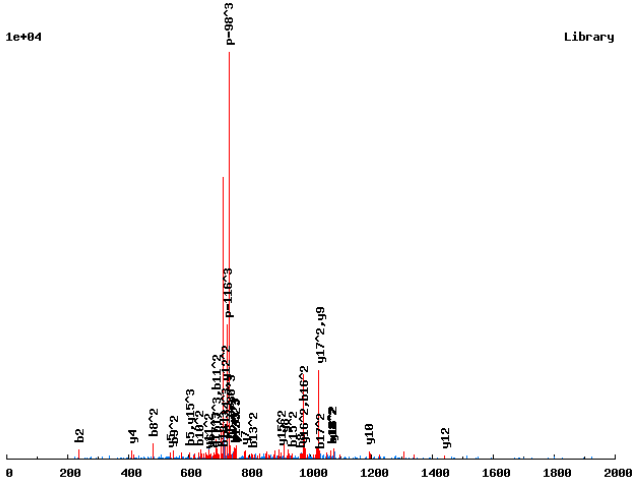


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	17			
237.1346	119.0709	79.7164	2	V	16	1888.7328	944.8700	630.2491
404.1330	202.5701	135.3825	3	S[167]	15	1789.6644	**895.3358**	597.2263
570.2423	285.6248	190.7523	4	R[166]	14	1622.6660	**811.8366**	541.5602
737.2407	369.1240	246.4184	5	S[167]	13	1456.5566	728.7820	**486.1904**
824.2727	412.6400	275.4291	6	S	12	1289.5583	**645.2828**	430.5243
939.2997	**470.1535**	313.7714	7	D	11	1202.5262	601.7668	401.5136
1052.3837	**526.6955**	351.4661	8	I	10	**1087.4993**	544.2533	363.1713
1153.4314	**577.2193**	385.1487	9	T	9	**974.4152**	487.7113	325.4766
1224.4685	**612.7379**	408.8277	10	A	8	**873.3676**	437.1874	291.7940
1338.5115	669.7594	446.8420	11	N	7	**802.3305**	401.6689	268.1150
1453.5384	**727.2728**	485.1843	12	D	6	**688.2875**	344.6474	230.1007
1540.5704	**770.7889**	**514.1950**	13	S	5	**573.2606**	287.1339	191.7584
1627.6025	**814.3049**	543.2057	14	S	4	**486.2286**	243.6179	162.7477
1742.6294	**871.8183**	581.5480	15	D	3	399.1965	200.1019	133.7370
1871.6720	**936.3396**	**624.5622**	16	E	2	**284.1696**	142.5884	95.3947
			17	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.HVTFDK$_{136}$LDES$_{167}$DENEEALAK$_{136}$.A/3

0.9971

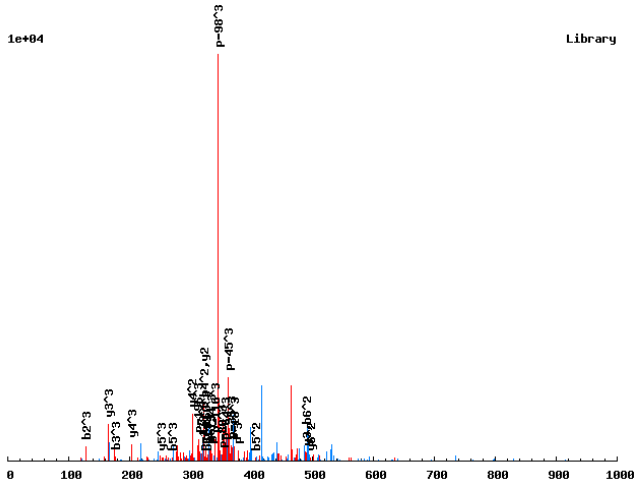


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	19			
237.1346	119.0709	79.7164	2	V	18	2148.9555	**1074.9814**	716.9900
338.1823	169.5948	113.3989	3	T	17	2049.8871	**1025.4472**	**683.9672**
485.2507	243.1290	162.4218	4	F	16	1948.8394	**974.9233**	650.2846
600.2776	300.6425	200.7641	5	D	15	1801.7710	**901.3891**	**601.2618**
736.3868	368.6970	246.1338	6	K[136]	14	1686.7440	843.8757	562.9195
849.4708	425.2391	283.8285	7	L	13	1550.6349	775.8211	517.5498
964.4978	**482.7525**	322.1708	8	D	12	**1437.5508**	**719.2790**	479.8551
1093.5404	**547.2738**	365.1850	9	E	11	1322.5239	**661.7656**	441.5128
1260.5387	**630.7730**	420.8511	10	S[167]	10	**1193.4813**	597.2443	398.4986
1375.5657	**688.2865**	459.1934	11	D	9	**1026.4829**	513.7451	342.8325
1504.6083	**752.8078**	502.2076	12	E	8	**911.4560**	456.2316	304.4902
1618.6512	**809.8292**	540.2219	13	N	7	**782.4134**	391.7103	261.4760
1747.6938	874.3505	583.2361	14	E	6	**668.3705**	334.6889	223.4617
1876.7364	**938.8718**	626.2503	15	E	5	**539.3279**	270.1676	180.4475
1947.7735	**974.3904**	649.9294	16	A	4	**410.2853**	205.6463	137.4333
2060.8576	**1030.9324**	**687.6240**	17	L	3	339.2482	170.1277	113.7542
2131.8947	**1066.4510**	**711.3031**	18	A	2	226.1641	113.5857	76.0596
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.HY$_{243}$M$_{147}$DS$_{167}$S$_{167}$K$_{136}$.N/3

0.9128

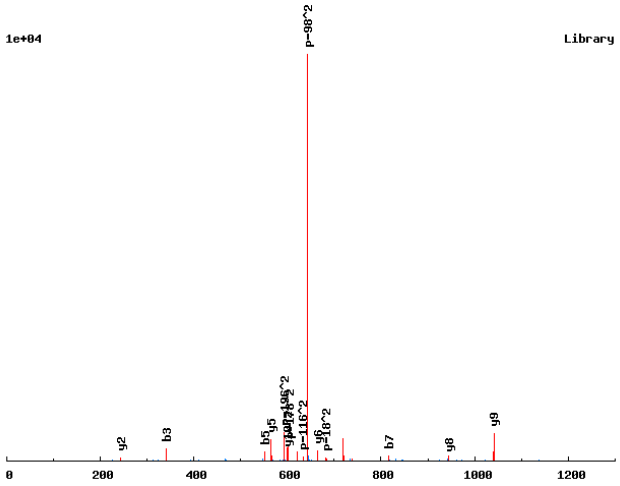


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
138.0662	69.5367	46.6936	1	H	7			
381.0959	191.0516	**127.7035**	2	Y[243]	6	994.2157	**497.6115**	**332.0768**
528.1313	264.5693	**176.7153**	3	M[147]	5	751.1861	376.0967	**251.0669**
643.1582	**322.0827**	215.0576	4	D	4	604.1507	**302.5790**	**202.0551**
810.1566	**405.5819**	**270.7237**	5	S[167]	3	**489.1237**	245.0655	**163.7128**
977.1549	**489.0811**	**326.3898**	6	S[167]	2	**322.1254**	161.5663	108.0466
			7	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.IARPLS$_{167}$VPGS$_{167}$PK.V/2

1

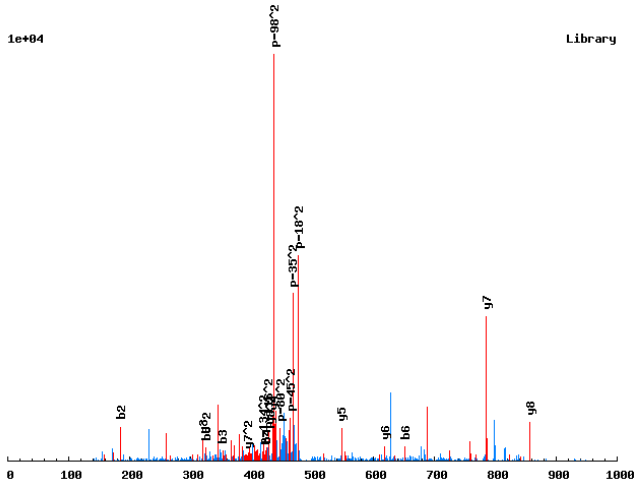


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	12		
185.1285	93.0679	2	A	11	1268.5800	634.7936
341.2296	171.1184	3	R	10	1197.5428	**599.2751**
438.2823	219.6448	4	P	9	**1041.4417**	521.2245
551.3664	276.1868	5	L	8	**944.3890**	472.6981
718.3647	359.6860	6	S[167]	7	831.3049	416.1561
817.4332	409.2202	7	V	6	**664.3066**	332.6569
914.4859	457.7466	8	P	5	**565.2381**	283.1227
971.5074	486.2573	9	G	4	468.1854	234.5963
1138.5057	569.7565	10	S[167]	3	411.1639	206.0856
1235.5585	618.2829	11	P	2	**244.1656**	122.5864
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.IAS$_{167}$ALDTAK.V/2

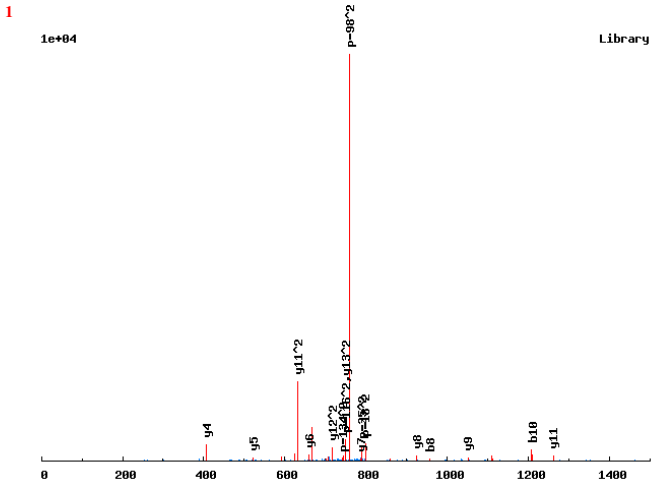
0.9002



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	9		
185.1285	93.0679	2	A	8	**856.3812**	**428.6942**
352.1268	176.5670	3	S[167]	7	**785.3441**	**393.1757**
423.1639	212.0856	4	A	6	**618.3457**	309.6765
536.2480	268.6276	5	L	5	**547.3086**	274.1579
651.2749	**326.1411**	6	D	4	**434.2245**	217.6159
752.3226	376.6649	7	T	3	**319.1976**	160.1024
823.3597	412.1835	8	A	2	218.1499	109.5786
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.IAS$_{167}$PIQHEHDSGSR.I/2

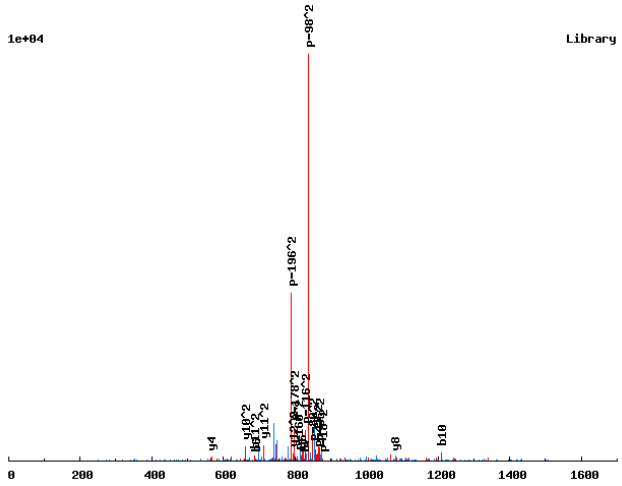


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	14		
185.1285	93.0679	2	A	13	1500.6227	**750.8150**
352.1268	176.5670	3	S[167]	12	1429.5856	**715.2964**
449.1796	225.0934	4	P	11	**1262.5872**	**631.7973**
562.2636	281.6355	5	I	10	1165.5345	583.2709
690.3222	345.6647	6	Q	9	**1052.4504**	526.7288
827.3811	414.1942	7	H	8	**924.3918**	462.6995
956.4237	478.7155	8	E	7	**787.3329**	394.1701
1093.4826	547.2450	9	H	6	**658.2903**	329.6488
1208.5096	604.7584	10	D	5	**521.2314**	261.1193
1295.5416	648.2744	11	S	4	**406.2045**	203.6059
1352.5631	676.7852	12	G	3	319.1724	160.0899
1439.5951	720.3012	13	S	2	262.1510	131.5791
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.IAS$_{167}$PIQHEHDS$_{167}$GS$_{167}$R.I/2

0.8249

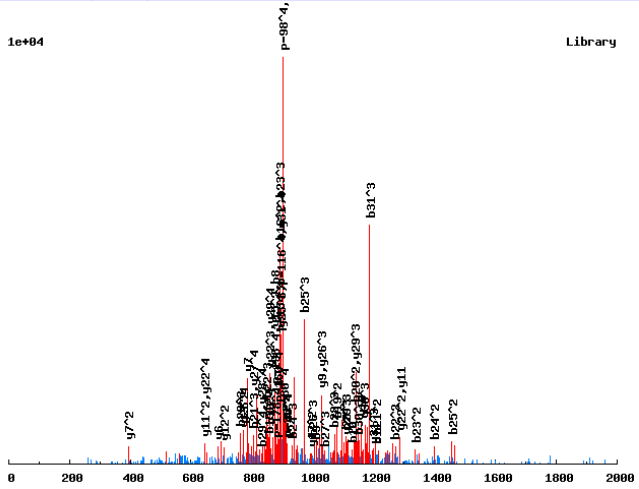


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	14		
185.1285	93.0679	2	A	13	1660.5554	830.7813
352.1268	176.5670	3	S[167]	12	1589.5182	**795.2628**
449.1796	225.0934	4	P	11	1422.5199	**711.7636**
562.2636	281.6355	5	I	10	1325.4671	**663.2372**
690.3222	345.6647	6	Q	9	1212.3831	606.6952
827.3811	414.1942	7	H	8	**1084.3245**	542.6659
956.4237	478.7155	8	E	7	947.2656	474.1364
1093.4826	547.2450	9	H	6	**818.2230**	409.6151
1208.5096	604.7584	10	D	5	681.1641	341.0857
1375.5079	**688.2576**	11	S[167]	4	**566.1371**	283.5722
1432.5294	716.7683	12	G	3	399.1388	200.0730
1599.5277	800.2675	13	S[167]	2	342.1173	171.5623
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.IASPIQHEHDSGS$_{167}$RIAS$_{167}$PIQQQQQDPTTNLLK.N/4

0.9605

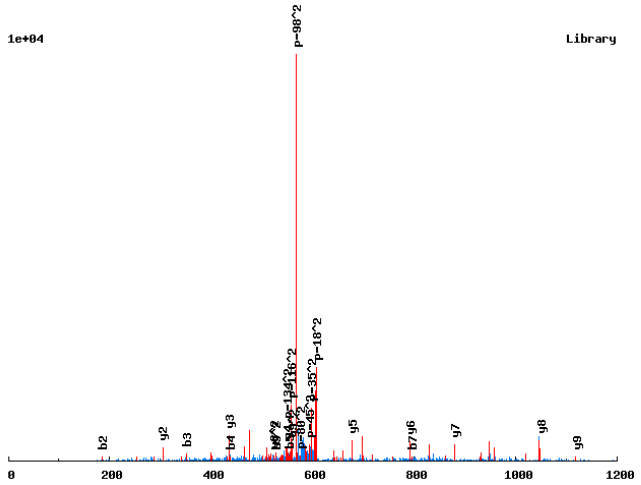


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	I	32				
185.1285	93.0679	62.3810	47.0376	2	A	31	3584.6530	1792.8301	**1195.5559**	**896.9187**
272.1605	136.5839	91.3917	68.7956	3	S	30	3513.6159	1757.3116	**1171.8768**	879.1594
369.2132	185.1103	123.7426	93.0588	4	P	29	3426.5839	1713.7956	**1142.8661**	**857.4014**
482.2973	241.6523	161.4373	121.3298	5	I	28	3329.5311	1665.2692	**1110.5152**	**833.1382**
610.3559	305.6816	204.1235	153.3444	6	Q	27	3216.4471	1608.7272	1072.8205	**804.8672**
747.4148	374.2110	249.8098	187.6092	7	H	26	3088.3885	1544.6979	**1030.1343**	**772.8526**
876.4574	438.7323	292.8240	219.8698	8	E	25	2951.3296	1476.1684	984.4480	738.5879
1013.5163	507.2618	338.5103	254.1345	9	H	24	2822.2870	1411.6471	941.4338	706.3272
1128.5432	564.7753	376.8526	282.8913	10	D	23	2685.2281	1343.1177	**895.7475**	672.0625
1215.5753	608.2913	405.8633	304.6493	11	S	22	2570.2011	**1285.6042**	**857.4052**	**643.3057**
1272.5967	636.8020	424.8704	318.9046	12	G	21	2483.1691	1242.0882	828.3946	621.5477
1439.5951	720.3012	480.5365	360.6542	13	S[167]	20	2426.1476	1213.5775	809.3874	607.2924
1595.6962	798.3517	532.5703	399.6795	14	R	19	2259.1493	1130.0783	753.7213	565.5428
1708.7803	**854.8938**	570.2649	427.9505	15	I	18	2103.0482	1052.0277	701.6876	526.5175
1779.8174	**890.4123**	593.9440	445.7098	16	A	17	1989.9641	**995.4857**	663.9929	498.2465
1946.8157	973.9115	649.6101	487.4594	17	S[167]	16	1918.9270	959.9671	640.3139	480.4872
2043.8685	1022.4379	681.9610	511.7226	18	P	15	1751.9286	**876.4680**	584.6477	438.7376
2156.9525	**1078.9799**	719.6557	539.9936	19	I	14	1654.8759	827.9416	552.2968	414.4744
2285.0111	**1143.0092**	**762.3419**	572.0082	20	Q	13	1541.7918	**771.3995**	514.6021	386.2034
2413.0697	**1207.0385**	**805.0281**	604.0229	21	Q	12	1413.7332	**707.3703**	471.9159	354.1888
2541.1283	**1271.0678**	**847.7143**	636.0375	22	Q	11	**1285.6746**	**643.3410**	429.2297	322.1741
2669.1869	**1335.0971**	**890.4005**	668.0522	23	Q	10	**1157.6161**	579.3117	386.5435	290.1595
2797.2454	**1399.1264**	**933.0867**	700.0668	24	Q	9	**1029.5575**	515.2824	343.8574	258.1448
2912.2724	**1456.6398**	**971.4290**	728.8236	25	D	8	**901.4989**	451.2531	301.1712	226.1302
3009.3251	1505.1662	**1003.7799**	753.0867	26	P	7	**786.4720**	**393.7396**	262.8288	197.3735
3110.3728	1555.6901	**1037.4625**	778.3487	27	T	6	**689.4192**	345.2132	230.4779	173.1103
3211.4205	1606.2139	**1071.1450**	803.6106	28	T	5	588.3715	294.6894	196.7954	147.8483
3325.4634	1663.2354	**1109.1593**	**832.1213**	29	N	4	487.3238	244.1656	163.1128	122.5864
3438.5475	1719.7774	**1146.8540**	**860.3923**	30	L	3	373.2809	187.1441	125.0985	94.0757
3551.6316	1776.3194	**1184.5487**	888.6633	31	L	2	260.1969	130.6021	87.4038	65.8047
				32	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.IAS$_{167}$SDELMER.S/2

0.9996

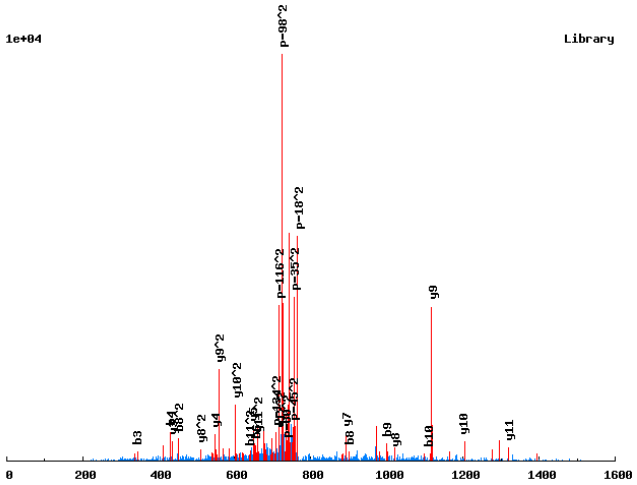


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	10		
185.1285	93.0679	2	A	9	**1117.4231**	**559.2152**
352.1268	176.5670	3	S[167]	8	**1046.3860**	**523.6966**
439.1588	220.0831	4	S	7	**879.3877**	440.1975
554.1858	277.5965	5	D	6	**792.3556**	396.6815
683.2284	342.1178	6	E	5	**677.3287**	339.1680
796.3124	398.6599	7	L	4	**548.2861**	274.6467
927.3529	464.1801	8	M	3	**435.2020**	218.1047
1056.3955	**528.7014**	9	E	2	**304.1615**	152.5844
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.IDDSPQDEVNS$_{167}$IK$_{136}$.G/2

0.9997

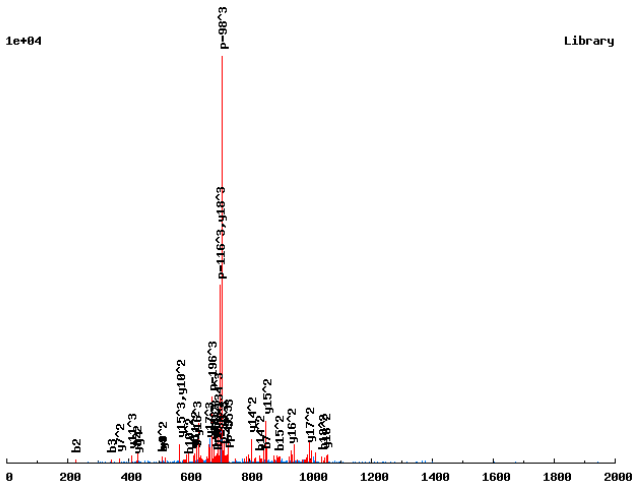


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	13		
229.1183	115.0628	2	D	12	1434.5875	**717.7974**
344.1452	172.5762	3	D	11	**1319.5606**	**660.2839**
431.1772	216.0923	4	S	10	**1204.5337**	**602.7705**
528.2300	264.6186	5	P	9	**1117.5016**	**559.2545**
656.2886	328.6479	6	Q	8	**1020.4489**	**510.7281**
771.3155	386.1614	7	D	7	**892.3903**	446.6988
900.3581	**450.6827**	8	E	6	777.3634	389.1853
999.4265	500.2169	9	V	5	**648.3208**	324.6640
1113.4695	557.2384	10	N	4	**549.2524**	275.1298
1280.4678	**640.7376**	11	S[167]	3	**435.2094**	218.1083
1393.5519	697.2796	12	I	2	268.2111	134.6092
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.IDDS$_{167}$PQDEVNS$_{167}$IKGKPADK.A/3

0.9517

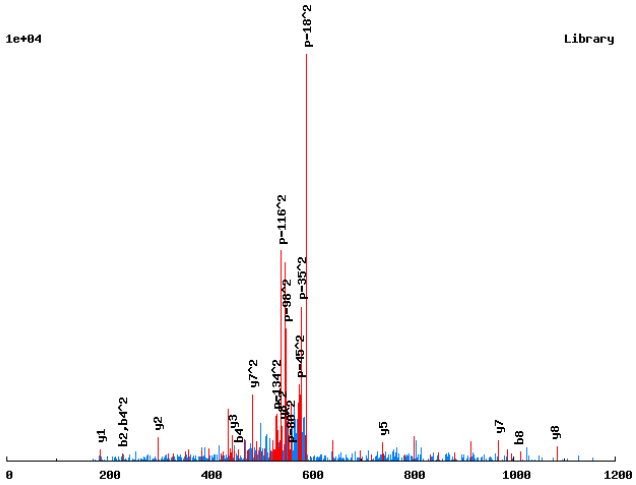


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	19			
229.1183	115.0628	77.0443	2	D	18	2102.8679	**1051.9376**	**701.6275**
344.1452	172.5762	115.3866	3	D	17	1987.8409	**994.4241**	**663.2852**
511.1436	256.0754	171.0527	4	S[167]	16	1872.8140	**936.9106**	**624.9428**
608.1963	304.6018	203.4036	5	P	15	1705.8156	**853.4115**	**569.2767**
736.2549	368.6311	246.0898	6	Q	14	1608.7629	**804.8851**	536.9258
851.2819	426.1446	284.4321	7	D	13	1480.7043	740.8558	494.2396
980.3245	490.6659	327.4463	8	E	12	1365.6773	**683.3423**	455.8973
1079.3929	540.2001	360.4691	9	V	11	1236.6348	**618.8210**	**412.8831**
1193.4358	**597.2215**	398.4835	10	N	10	1137.5663	**569.2868**	379.8603
1360.4342	680.7207	454.1496	11	S[167]	9	1023.5234	**512.2653**	341.8460
1473.5182	737.2627	491.8443	12	I	8	856.5251	**428.7662**	286.1799
1601.6132	801.3102	534.5426	13	K	7	743.4410	**372.2241**	248.4852
1658.6346	**829.8210**	553.5497	14	G	6	**615.3460**	308.1767	205.7869
1786.7296	**893.8684**	596.2481	15	K	5	558.3246	279.6659	186.7797
1883.7824	942.3948	628.5990	16	P	4	**430.2296**	215.6184	144.0814
1954.8195	977.9134	652.2780	17	A	3	333.1768	167.0921	111.7305
2069.8464	**1035.4268**	**690.6203**	18	D	2	262.1397	131.5735	88.0514
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.IDTQS$_{167}$EFLR$_{166}$.A/2

0.907

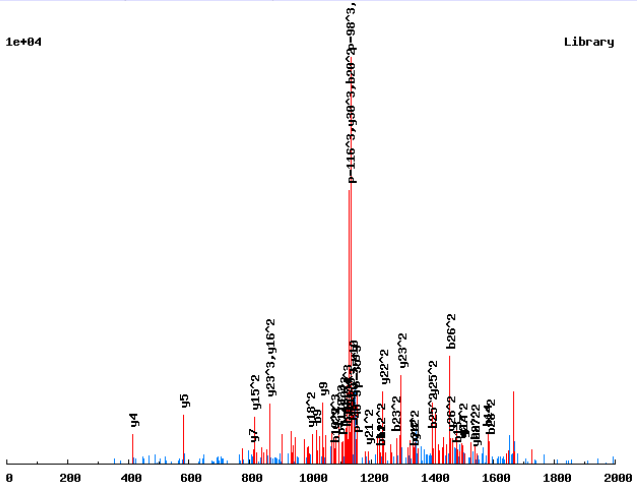


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	9		
229.1183	115.0628	2	D	8	**1085.4538**	**543.2306**
330.1660	165.5866	3	T	7	**970.4269**	**485.7171**
458.2245	**229.6159**	4	Q	6	869.3792	435.1933
625.2229	313.1151	5	S[167]	5	**741.3206**	371.1640
754.2655	377.6364	6	E	4	574.3223	287.6648
901.3339	451.1706	7	F	3	**445.2797**	223.1435
1014.4180	507.7126	8	L	2	**298.2113**	149.6093
		9	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.IEC$_{160}$SSNPDDPIRVTT$_{181}$PMGTTTVNNNIS$_{167}$PSGR.G/3

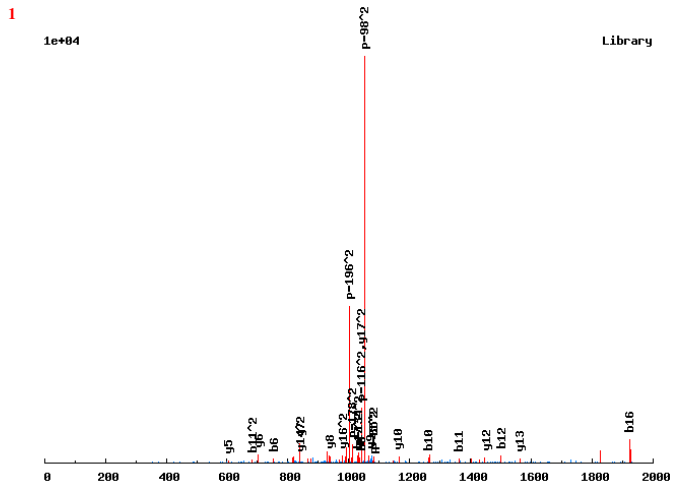
0.9879



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	31			
243.1339	122.0706	81.7162	2	E	30	3377.4175	1689.2124	**1126.4773**
403.1646	202.0859	135.0597	3	C[160]	29	3248.3749	1624.6911	**1083.4631**
490.1966	245.6019	164.0704	4	S	28	3088.3442	**1544.6758**	1030.1196
577.2286	289.1180	193.0811	5	S	27	3001.3122	**1501.1597**	1001.1089
691.2716	346.1394	231.0954	6	N	26	2914.2802	**1457.6437**	972.0982
788.3243	394.6658	263.4463	7	P	25	2800.2372	**1400.6223**	934.0839
903.3513	452.1793	301.7886	8	D	24	2703.1845	1352.0959	901.7330
1018.3782	509.6927	340.1309	9	D	23	2588.1575	**1294.5824**	**863.3907**
1115.4310	558.2191	372.4818	10	P	22	2473.1306	**1237.0689**	825.0484
1228.5150	614.7612	410.1765	11	I	21	2376.0778	**1188.5426**	792.6975
1384.6161	692.8117	462.2102	12	R	20	2262.9938	**1132.0005**	755.0028
1483.6846	742.3459	495.2330	13	V	19	2106.8927	1053.9500	702.9691
1584.7322	792.8698	528.9156	14	T	18	2007.8243	**1004.4158**	669.9463
1765.7462	883.3768	589.2536	15	T[181]	17	1906.7766	953.8919	636.2637
1862.7990	931.9031	621.6045	16	P	16	1725.7626	**863.3849**	575.9257
1993.8395	997.4234	665.2847	17	M	15	1628.7098	**814.8585**	543.5748
2050.8610	1025.9341	684.2918	18	G	14	**1497.6693**	749.3383	499.8946
2151.9086	**1076.4580**	717.9744	19	T	13	1440.6479	720.8276	480.8875
2252.9563	**1126.9818**	751.6570	20	T	12	**1339.6002**	670.3037	447.2049
2354.0040	1177.5056	785.3395	21	T	11	1238.5525	619.7799	413.5224
2453.0724	**1227.0398**	818.3623	22	V	10	**1137.5048**	569.2561	379.8398
2567.1153	**1284.0613**	856.3766	23	N	9	**1038.4364**	519.7218	346.8170
2681.1583	**1341.0828**	894.3909	24	N	8	924.3935	462.7004	308.8027
2795.2012	**1398.1042**	932.4053	25	N	7	**810.3506**	405.6789	270.7884
2908.2853	**1454.6463**	970.0999	26	I	6	696.3076	348.6575	232.7741
3075.2836	**1538.1454**	1025.7661	27	S[167]	5	**583.2236**	292.1154	195.0794
3172.3364	**1586.6718**	1058.1170	28	P	4	**416.2252**	208.6162	139.4133
3259.3684	1630.1878	1087.1277	29	S	3	319.1724	160.0899	107.0623
3316.3899	1658.6986	1106.1348	30	G	2	232.1404	116.5738	78.0517
			31	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.IELS$_{167}$DDS$_{167}$DVEVHPNVDKK.S/2

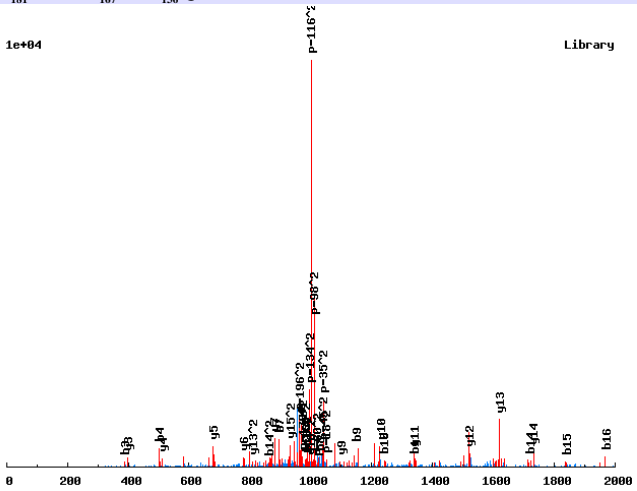


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	18		
243.1339	122.0706	2	E	17	2085.8413	**1043.4243**
356.2180	178.6126	3	L	16	1956.7987	**978.9030**
523.2164	262.1118	4	S[167]	15	1843.7147	922.3610
638.2433	319.6253	5	D	14	1676.7163	**838.8618**
753.2702	377.1388	6	D	13	**1561.6894**	781.3483
920.2686	460.6379	7	S[167]	12	**1446.6624**	723.8349
1035.2955	518.1514	8	D	11	1279.6641	640.3357
1134.3639	567.6856	9	V	10	**1164.6371**	582.8222
1263.4065	632.2069	10	E	9	**1065.5687**	533.2880
1362.4749	**681.7411**	11	V	8	**936.5261**	468.7667
1499.5339	750.2706	12	H	7	**837.4577**	419.2325
1596.5866	798.7969	13	P	6	**700.3988**	350.7030
1710.6295	855.8184	14	N	5	**603.3460**	302.1767
1809.6980	905.3526	15	V	4	489.3031	245.1552
1924.7249	962.8661	16	D	3	390.2347	195.6210
2052.8199	**1026.9136**	17	K	2	275.2078	138.1075
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.IFQNPT$_{181}$DEESTTS$_{167}$LNEK$_{136}$.Q/2

0.9998

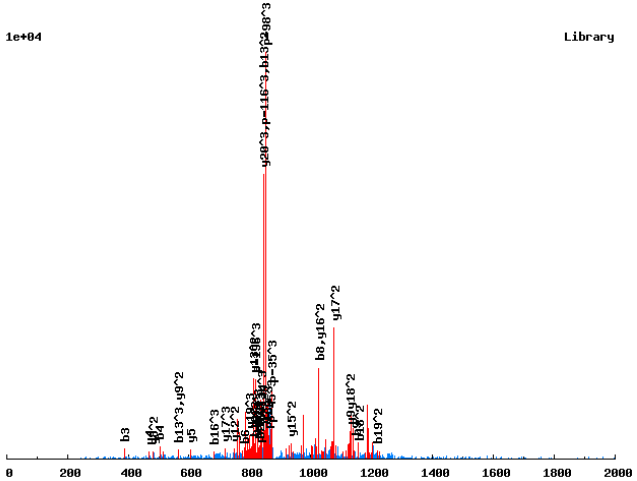


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	17		
261.1597	131.0835	2	F	16	2007.7711	**1004.3892**
389.2183	195.1128	3	Q	15	1860.7027	**930.8550**
503.2613	252.1343	4	N	14	**1732.6442**	866.8257
600.3140	300.6607	5	P	13	**1618.6012**	**809.8043**
781.3280	391.1677	6	T[181]	12	**1521.5485**	761.2779
896.3550	448.6811	7	D	11	**1340.5344**	670.7709
1025.3976	513.2024	8	E	10	**1225.5075**	613.2574
1154.4402	577.7237	9	E	9	**1096.4649**	548.7361
1241.4722	621.2397	10	S	8	**967.4223**	484.2148
1342.5199	671.7636	11	T	7	**880.3903**	440.6988
1443.5675	722.2874	12	T	6	**779.3426**	390.1750
1610.5659	805.7866	13	S[167]	5	**678.2949**	339.6511
1723.6500	**862.3286**	14	L	4	**511.2966**	256.1519
1837.6929	919.3501	15	N	3	**398.2125**	199.6099
1966.7355	**983.8714**	16	E	2	284.1696	142.5884
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.IFQNPT$_{181}$DEES$_{167}$TTS$_{167}$LNEK$_{136}$QEGK$_{136}$.D/3

0.9843

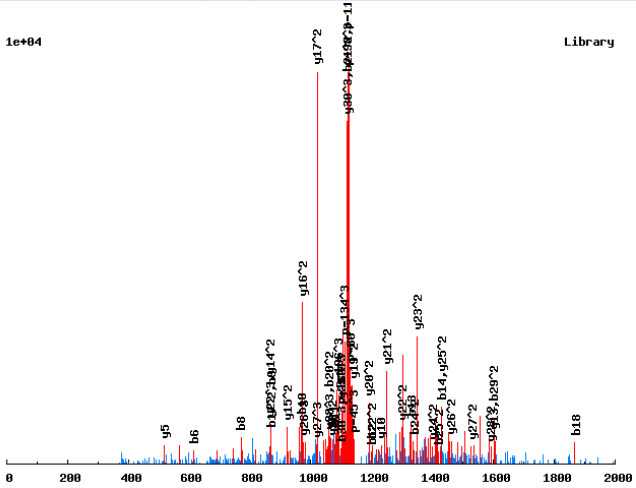


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	21			
261.1597	131.0835	87.7248	2	F	20	2537.9693	1269.4883	**846.6613**
389.2183	195.1128	130.4110	3	Q	19	2390.9009	1195.9541	**797.6385**
503.2613	252.1343	168.4253	4	N	18	2262.8423	**1131.9248**	754.9523
600.3140	300.6607	200.7762	5	P	17	2148.7993	**1074.9033**	**716.9380**
781.3280	391.1677	261.1142	6	T[181]	16	2051.7466	**1026.3769**	684.5870
896.3550	448.6811	299.4565	7	D	15	1870.7326	**935.8699**	624.2490
1025.3976	513.2024	342.4707	8	E	14	1755.7056	878.3565	585.9067
1154.4402	577.7237	385.4849	9	E	13	1626.6630	**813.8352**	542.8925
1321.4385	661.2229	441.1510	10	S[167]	12	1497.6204	**749.3139**	499.8783
1422.4862	711.7467	474.8336	11	T	11	1330.6221	665.8147	444.2122
1523.5339	762.2706	508.5161	12	T	10	1229.5744	615.2908	410.5297
1690.5322	**845.7698**	**564.1823**	13	S[167]	9	**1128.5267**	**564.7670**	376.8471
1803.6163	902.3118	601.8770	14	L	8	961.5284	**481.2678**	321.1810
1917.6592	959.3333	639.8913	15	N	7	**848.4443**	424.7258	283.4863
2046.7018	1023.8545	**682.9055**	16	E	6	734.4014	367.7043	245.4720
2182.8110	1091.9091	728.2752	17	K[136]	5	**605.3588**	303.1830	202.4578
2310.8696	**1155.9384**	770.9614	18	Q	4	**469.2496**	235.1285	157.0881
2439.9121	**1220.4597**	**813.9756**	19	E	3	341.1910	171.0992	114.4019
2496.9336	1248.9704	**832.9827**	20	G	2	212.1485	106.5779	71.3877
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.IGDEQAGVVVDDETPPLEQQDS$_{167}$HES$_{167}$LAADSR.N/3

0.9932

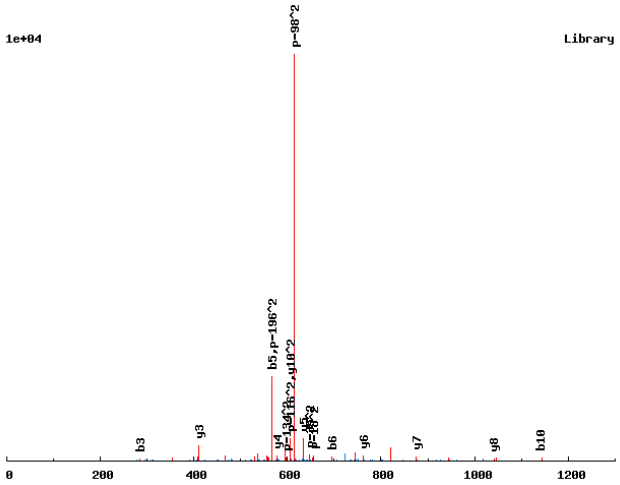


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	31			
171.1128	86.0600	57.7091	2	G	30	3354.3682	1677.6877	**1118.7943**
286.1397	143.5735	96.0514	3	D	29	3297.3468	1649.1770	**1099.7871**
415.1823	208.0948	139.0656	4	E	28	3182.3198	**1591.6635**	**1061.4448**
543.2409	272.1241	181.7518	5	Q	27	3053.2772	**1527.1423**	**1018.4306**
614.2780	307.6427	205.4309	6	A	26	2925.2186	**1463.1130**	**975.7444**
671.2995	336.1534	224.4380	7	G	25	2854.1815	**1427.5944**	952.0654
770.3679	385.6876	257.4608	8	V	24	2797.1601	**1399.0837**	933.0582
869.4363	435.2218	290.4836	9	V	23	2698.0917	**1349.5495**	900.0354
968.5047	484.7560	323.5064	10	V	22	2599.0233	**1300.0153**	**867.0126**
1083.5316	542.2695	361.8487	11	D	21	2499.9548	**1250.4811**	833.9898
1198.5586	599.7829	400.1910	12	D	20	2384.9279	**1192.9676**	795.6475
1327.6012	664.3042	443.2052	13	E	19	2269.9010	**1135.4541**	757.3052
1428.6489	714.8281	476.8878	14	T	18	2140.8584	**1070.9328**	714.2910
1525.7016	763.3544	509.2387	15	P	17	2039.8107	**1020.4090**	680.6084
1622.7544	811.8808	541.5896	16	P	16	1942.7579	**971.8826**	648.2575
1735.8384	**868.4229**	579.2843	17	L	15	1845.7052	**923.3562**	615.9066
1864.8810	932.9442	622.2985	18	E	14	1732.6211	**866.8142**	578.2119
1992.9396	996.9734	664.9847	19	Q	13	**1603.5785**	802.2929	535.1977
2120.9982	**1061.0027**	707.6709	20	Q	12	1475.5199	738.2636	492.5115
2236.0251	**1118.5162**	746.0132	21	D	11	1347.4614	674.2343	449.8253
2403.0235	**1202.0154**	801.6794	22	S[167]	10	**1232.4344**	616.7209	411.4830
2540.0824	1270.5448	847.3657	23	H	9	**1065.4361**	533.2217	355.8169
2669.1250	**1335.0661**	890.3799	24	E	8	928.3772	464.6922	310.1306
2836.1234	**1418.5653**	946.0460	25	S[167]	7	799.3346	400.1709	267.1164
2949.2074	1475.1073	983.7407	26	L	6	632.3362	316.6717	211.4503
3020.2445	1510.6259	1007.4197	27	A	5	**519.2521**	260.1297	173.7556
3091.2816	1546.1445	1031.0987	28	A	4	448.2150	224.6112	150.0765
3206.3086	**1603.6579**	1069.4410	29	D	3	377.1779	189.0926	126.3975
3293.3406	1647.1739	**1098.4517**	30	S	2	262.1510	131.5791	88.0552
			31	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.IGDS$_{167}$LQGS$_{167}$PQR$_{166}$.I/2

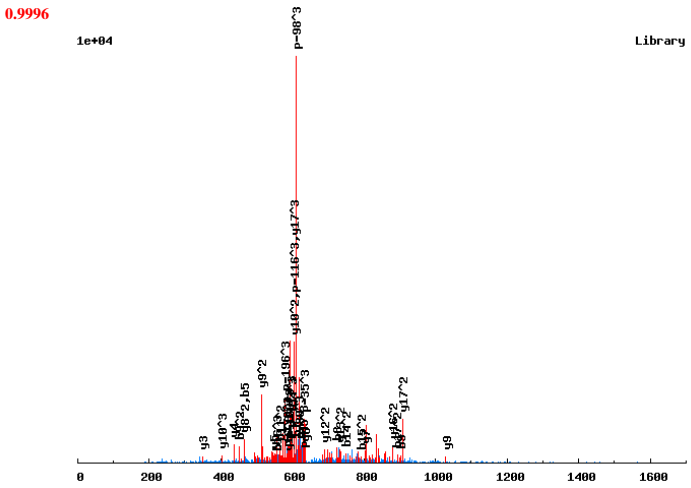
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	11		
171.1128	86.0600	2	G	10	1214.4478	**607.7275**
286.1397	143.5735	3	D	9	1157.4263	579.2168
453.1381	227.0727	4	S[167]	8	**1042.3994**	521.7033
566.2222	283.6147	5	L	7	**875.4010**	438.2042
694.2807	347.6440	6	Q	6	**762.3170**	381.6621
751.3022	376.1547	7	G	5	**634.2584**	317.6328
918.3006	459.6539	8	S[167]	4	**577.2369**	289.1221
1015.3533	508.1803	9	P	3	**410.2386**	205.6229
1143.4119	572.2096	10	Q	2	313.1858	157.0965
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.IGGTHSGLT$_{181}$PQS$_{167}$SISSDK.A/3

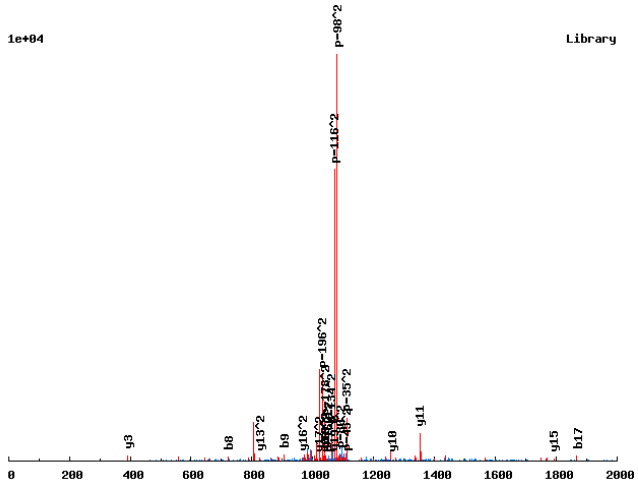


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	18			
171.1128	86.0600	57.7091	2	G	17	1818.7307	**909.8690**	**606.9151**
228.1343	114.5708	76.7163	3	G	16	1761.7092	**881.3582**	**587.9079**
329.1819	165.0946	110.3988	4	T	15	1704.6877	852.8475	568.9008
466.2408	233.6241	156.0851	5	H	14	1603.6401	802.3237	535.2182
553.2729	277.1401	185.0958	6	S	13	1466.5812	**733.7942**	489.5319
610.2943	305.6508	204.1030	7	G	12	1379.5491	**690.2782**	460.5212
723.3784	362.1928	241.7977	8	L	11	1322.5277	661.7675	441.5141
904.3924	**452.6998**	302.1357	9	T[181]	10	1209.4436	**605.2254**	**403.8194**
1001.4452	501.2262	334.4866	10	P	9	**1028.4296**	**514.7184**	343.4814
1129.5038	**565.2555**	377.1728	11	Q	8	931.3768	**466.1921**	311.1305
1296.5021	648.7547	432.8389	12	S[167]	7	**803.3183**	402.1628	268.4443
1383.5341	692.2707	461.8496	13	S	6	**636.3199**	318.6636	212.7782
1496.6182	**748.8127**	499.5443	14	I	5	**549.2879**	275.1476	183.7675
1583.6502	**792.3288**	528.5549	15	S	4	**436.2038**	218.6055	146.0728
1670.6823	835.8448	**557.5656**	16	S	3	**349.1718**	175.0895	117.0621
1785.7092	**893.3582**	**595.9079**	17	D	2	262.1397	131.5735	88.0514
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.IGGTHSGLT$_{181}$PQSS$_{167}$IS$_{167}$SDK$_{136}$AR$_{166}$.H/2

0.9352

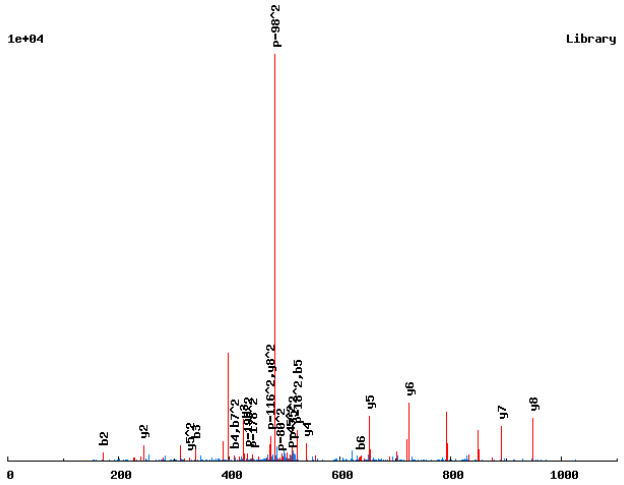


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	20		
171.1128	86.0600	2	G	19	2143.8577	**1072.4325**
228.1343	114.5708	3	G	18	2086.8362	**1043.9218**
329.1819	165.0946	4	T	17	2029.8148	**1015.4110**
466.2408	233.6241	5	H	16	1928.7671	**964.8872**
553.2729	277.1401	6	S	15	**1791.7082**	896.3577
610.2943	305.6508	7	G	14	1704.6761	852.8417
723.3784	362.1928	8	L	13	1647.6547	**824.3310**
904.3924	452.6998	9	T[181]	12	1534.5706	767.7890
1001.4452	501.2262	10	P	11	**1353.5566**	677.2819
1129.5038	565.2555	11	Q	10	**1256.5038**	628.7556
1216.5358	608.7715	12	S	9	1128.4453	564.7263
1383.5341	692.2707	13	S[167]	8	**1041.4132**	521.2103
1496.6182	748.8127	14	I	7	874.4149	437.7111
1663.6166	832.3119	15	S[167]	6	761.3308	381.1690
1750.6486	875.8279	16	S	5	594.3325	297.6699
1865.6755	933.3414	17	D	4	507.3004	254.1539
2001.7847	1001.3960	18	K[136]	3	**392.2735**	196.6404
2072.8218	**1036.9145**	19	A	2	256.1643	128.5858
		20	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.IGS$_{167}$ALNT$_{181}$PK.L/2

0.9995

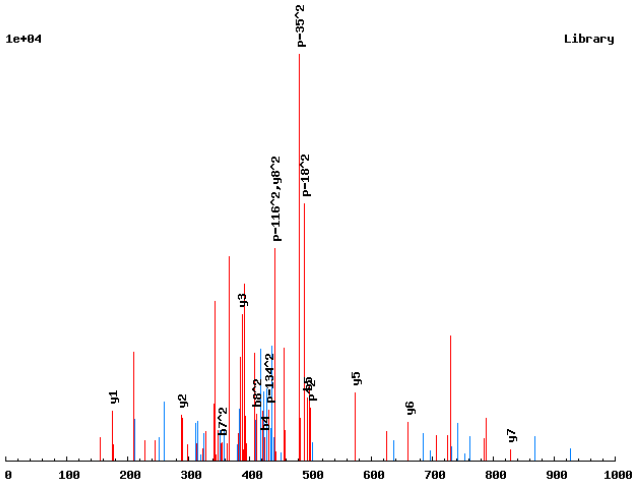


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	**1**	**I**	**9**		
171.1128	86.0600	**2**	**G**	**8**	**947.3635**	**474.1854**
338.1112	169.5592	**3**	**S[167]**	**7**	**890.3420**	445.6747
409.1483	205.0778	**4**	**A**	**6**	**723.3437**	362.1755
522.2323	261.6198	**5**	**L**	**5**	**652.3066**	**326.6569**
636.2753	318.6413	**6**	**N**	**4**	**539.2225**	270.1149
817.2893	**409.1483**	**7**	**T[181]**	**3**	**425.1796**	213.0934
914.3420	457.6747	**8**	**P**	**2**	**244.1656**	122.5864
		9	**K**	**1**	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.IGS$_{167}$SADVIR.A/2

0.589

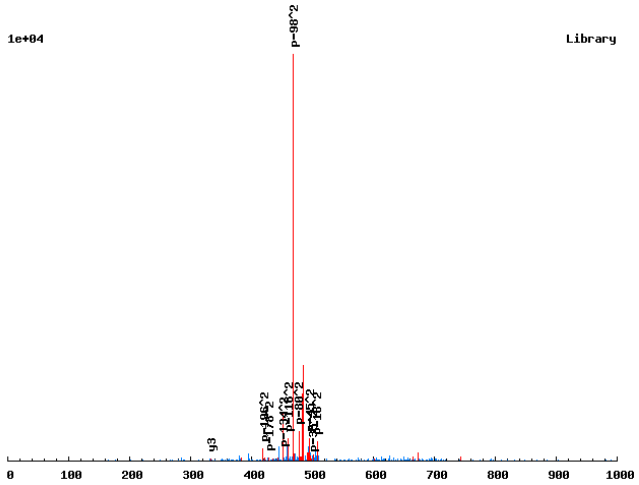


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	9		
171.1128	86.0600	2	G	8	884.3873	**442.6973**
338.1112	169.5592	3	S[167]	7	**827.3659**	414.1866
425.1432	213.0752	4	S	6	**660.3675**	330.6874
496.1803	248.5938	5	A	5	**573.3355**	287.1714
611.2072	306.1073	6	D	4	502.2984	251.6528
710.2757	**355.6415**	7	V	3	**387.2714**	194.1393
823.3597	**412.1835**	8	I	2	**288.2030**	144.6051
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.IGT$_{181}$S$_{167}$T$_{181}$ASR.G/2

0.6983

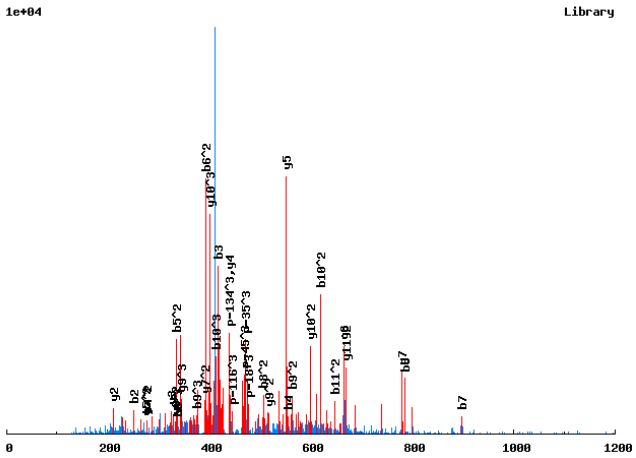


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	8		
171.1128	86.0600	2	G	7	919.2359	460.1216
352.1268	176.5670	3	T[181]	6	862.2145	431.6109
519.1252	260.0662	4	S[167]	5	681.2005	341.1039
700.1392	350.5732	5	T[181]	4	514.2021	257.6047
771.1763	386.0918	6	A	3	333.1881	167.0977
858.2083	429.6078	7	S	2	262.1510	131.5791
		8	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.IHS$_{167}$HDDIINLGK$_{136}$.A/3

0.999

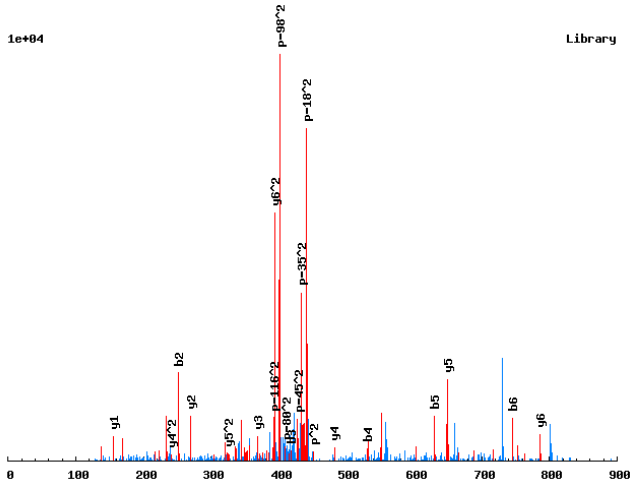


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	12			
251.1502	126.0788	84.3883	2	H	11	1336.6136	**668.8105**	446.2094
418.1486	209.5779	140.0544	3	S[167]	10	1199.5547	**600.2810**	**400.5231**
555.2075	**278.1074**	185.7407	4	H	9	1032.5564	**516.7818**	**344.8570**
670.2345	**335.6209**	224.0830	5	D	8	895.4974	448.2524	299.1707
785.2614	**393.1343**	262.4253	6	D	7	**780.4705**	**390.7389**	260.8284
898.3455	449.6764	300.1200	7	I	6	**665.4436**	**333.2254**	222.4860
1011.4295	**506.2184**	**337.8147**	8	I	5	**552.3595**	**276.6834**	184.7914
1125.4725	**563.2399**	**375.8290**	9	N	4	**439.2754**	220.1414	147.0967
1238.5565	**619.7819**	**413.5237**	10	L	3	**325.2325**	163.1199	109.0824
1295.5780	**648.2926**	432.5308	11	G	2	**212.1485**	106.5779	71.3877
			12	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.IHS$_{167}$LVDK$_{136}$.G/2

0.9473

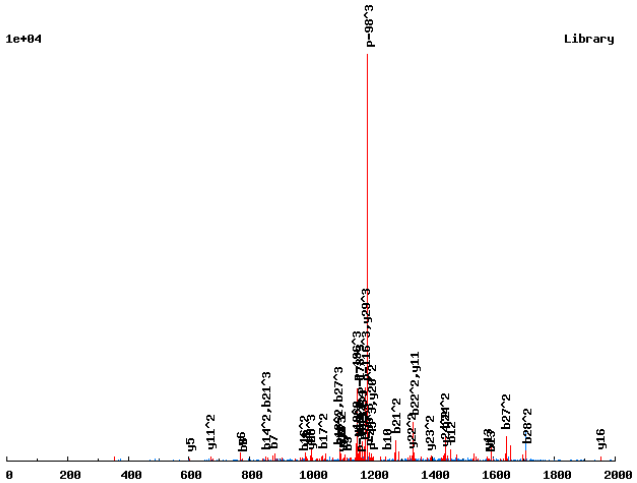


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	7		
251.1502	126.0788	2	H	6	786.3637	393.6855
418.1486	209.5779	3	S[167]	5	649.3048	325.1560
531.2327	266.1200	4	L	4	482.3064	241.6568
630.3011	315.6542	5	V	3	369.2223	185.1148
745.3280	373.1677	6	D	2	270.1539	135.5806
		7	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.IIEHS$_{167}$DVENENVKDNEELQEIDNVS$_{167}$LDEPK.I/3

0.9994

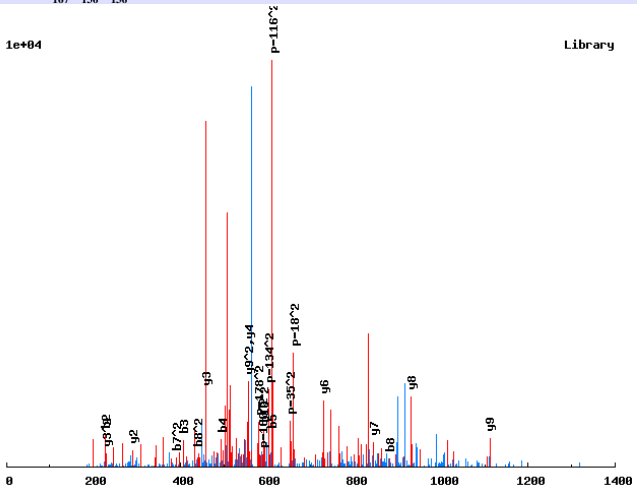


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	30			
227.1754	114.0913	76.3967	2	I	29	3540.4938	1770.7505	**1180.8361**
356.2180	178.6126	119.4108	3	E	28	3427.4098	1714.2085	1143.1414
493.2769	247.1421	165.0972	4	H	27	3298.3672	1649.6872	**1100.1272**
660.2753	330.6413	220.7633	5	S[167]	26	3161.3083	1581.1578	1054.4409
775.3022	388.1547	259.1056	6	D	25	2994.3099	1497.6586	**998.7748**
874.3706	437.6889	292.1284	7	V	24	2879.2830	**1440.1451**	960.4325
1003.4132	502.2102	335.1426	8	E	23	2780.2145	**1390.6109**	927.4097
1117.4561	559.2317	373.1569	9	N	22	2651.1720	**1326.0896**	884.3955
1246.4987	623.7530	416.1711	10	E	21	2537.1290	1269.0682	846.3812
1360.5417	680.7745	454.1854	11	N	20	2408.0864	**1204.5469**	803.3670
1459.6101	730.3087	487.2082	12	V	19	2294.0435	**1147.5254**	765.3527
1587.7050	794.3562	529.9065	13	K	18	2194.9751	**1097.9912**	732.3299
1702.7320	**851.8696**	568.2488	14	D	17	2066.8801	1033.9437	689.6316
1816.7749	908.8911	606.2632	15	N	16	**1951.8532**	976.4302	651.2893
1945.8175	**973.4124**	649.2773	16	E	15	1837.8103	919.4088	613.2749
2074.8601	**1037.9337**	692.2915	17	E	14	1708.7677	854.8875	570.2607
2187.9441	**1094.4757**	729.9862	18	L	13	**1579.7251**	790.3662	527.2465
2316.0027	**1158.5050**	772.6724	19	Q	12	1466.6410	733.8242	489.5519
2445.0453	1223.0263	815.6866	20	E	11	**1338.5824**	**669.7949**	446.8657
2558.1294	**1279.5683**	**853.3813**	21	I	10	1209.5399	605.2736	403.8515
2673.1563	**1337.0818**	891.7236	22	D	9	**1096.4558**	548.7315	366.1568
2787.1992	1394.1033	929.7379	23	N	8	**981.4289**	491.2181	327.8145
2886.2676	**1443.6375**	962.7607	24	V	7	867.3859	434.1966	289.8002
3053.2660	1527.1366	1018.4269	25	S[167]	6	**768.3175**	384.6624	256.7774
3166.3501	1583.6787	1056.1215	26	L	5	**601.3192**	301.1632	201.1112
3281.3770	**1641.1921**	**1094.4639**	27	D	4	488.2351	244.6212	163.4166
3410.4196	**1705.7134**	1137.4781	28	E	3	373.2081	187.1077	125.0742
3507.4724	1754.2398	**1169.8290**	29	P	2	244.1656	122.5864	82.0600
			30	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.IIT$_{181}$SDATVS$_{167}$K$_{136}$K$_{136}$.D/2

0.9738

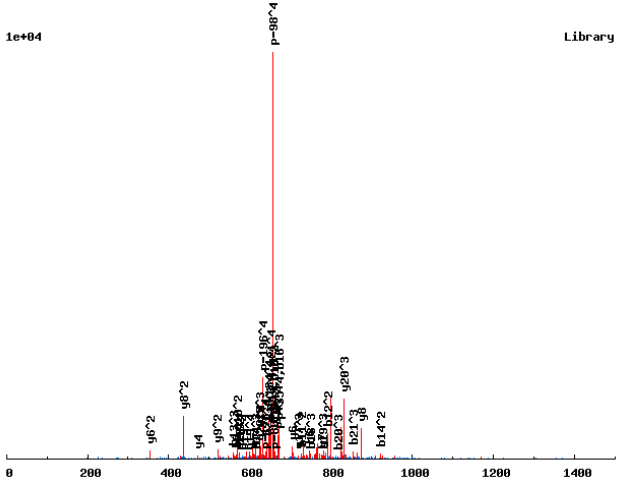


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	11		
227.1754	114.0913	2	I	10	1225.5448	**613.2760**
408.1894	204.5983	3	T[181]	9	**1112.4607**	**556.7340**
495.2214	248.1144	4	S	8	**931.4467**	466.2270
610.2484	305.6278	5	D	7	**844.4147**	422.7110
681.2855	341.1464	6	A	6	**729.3877**	365.1975
782.3332	**391.6702**	7	T	5	658.3506	329.6789
881.4016	**441.2044**	8	V	4	**557.3029**	279.1551
1048.3999	524.7036	9	S[167]	3	**458.2345**	**229.6209**
1184.5091	**592.7582**	10	K[136]	2	**291.2362**	146.1217
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.IITTHT$_{181}$PHS$_{167}$S$_{167}$K$_{136}$EPS$_{167}$PAPHSNDK$_{136}$.S/4

0.9646

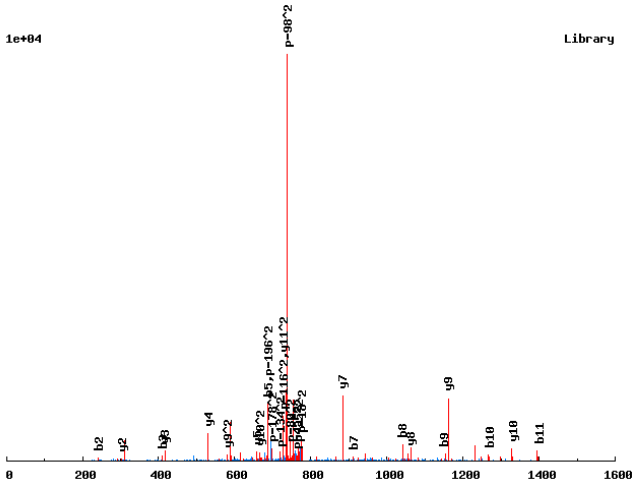


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	I	22				
227.1754	114.0913	76.3967	57.5493	2	I	21	2603.9940	1302.5007	868.6695	**651.7540**
328.2231	164.6152	110.0792	82.8112	3	T	20	2490.9100	1245.9586	**830.9748**	**623.4830**
429.2708	215.1390	143.7618	108.0731	4	T	19	2389.8623	1195.4348	797.2923	**598.2210**
566.3297	283.6685	189.4481	142.3379	5	H	18	2288.8146	1144.9110	763.6097	**572.9591**
747.3437	374.1755	249.7861	187.5914	6	T[181]	17	2151.7557	1076.3815	**717.9234**	538.6944
844.3964	422.7019	282.1370	211.8546	7	P	16	1970.7417	985.8745	**657.5854**	493.4409
981.4554	491.2313	327.8233	246.1193	8	H	15	1873.6889	937.3481	**625.2345**	469.1777
1148.4537	**574.7305**	383.4894	287.8689	9	S[167]	14	1736.6300	868.8187	579.5482	434.9130
1315.4521	**658.2297**	439.1555	329.6185	10	S[167]	13	1569.6317	785.3195	523.8821	393.1634
1451.5612	**726.2843**	484.5253	363.6458	11	K[136]	12	1402.6333	701.8203	468.2160	351.4138
1580.6038	**790.8056**	527.5395	395.9064	12	E	11	1266.5241	633.7657	422.8462	317.3865
1677.6566	839.3319	**559.8904**	420.1696	13	P	10	1137.4816	**569.2444**	379.8320	285.1258
1844.6549	**922.8311**	**615.5565**	461.9192	14	S[167]	9	1040.4288	**520.7180**	347.4811	260.8627
1941.7077	971.3575	**647.9074**	486.1824	15	P	8	**873.4304**	**437.2189**	291.8150	219.1131
2012.7448	1006.8760	**671.5865**	503.9417	16	A	7	**776.3777**	388.6925	259.4641	194.8499
2109.7976	1055.4024	703.9374	528.2049	17	P	6	**705.3406**	**353.1739**	235.7850	177.0906
2246.8565	1123.9319	**749.6237**	562.4696	18	H	5	**608.2878**	304.6475	203.4341	152.8274
2333.8885	1167.4479	**778.6344**	**584.2276**	19	S	4	**471.2289**	236.1181	157.7478	118.5627
2447.9314	1224.4694	**816.6487**	612.7383	20	N	3	384.1969	192.6021	128.7371	96.8047
2562.9584	1281.9828	**854.9910**	**641.4951**	21	D	2	270.1539	135.5806	90.7228	68.2939
				22	K[136]	1	155.1270	78.0671	52.3805	39.5372

Annotated spectra from Saleem et. al. 2009

R.IKS$_{167}$PT$_{181}$PQEILQR.F/2

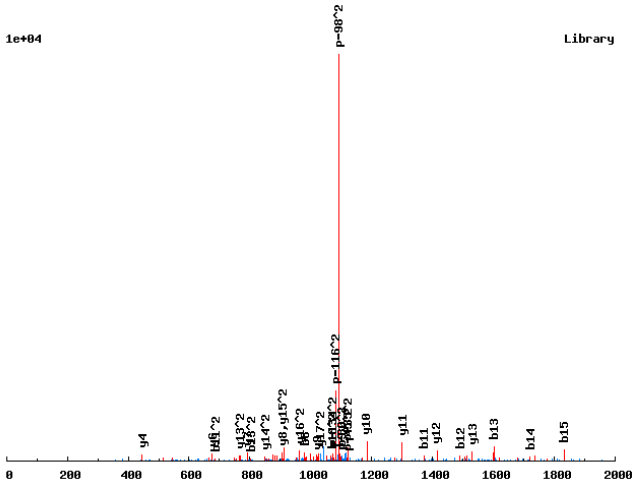
0.9993



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	12		
242.1863	121.5968	2	K	11	1456.6597	**728.8335**
409.1847	205.0960	3	S[167]	10	**1328.5647**	**664.7860**
506.2374	253.6224	4	P	9	**1161.5664**	**581.2868**
687.2514	344.1294	5	T[181]	8	**1064.5136**	532.7604
784.3042	392.6557	6	P	7	**883.4996**	442.2534
912.3628	456.6850	7	Q	6	786.4468	393.7271
1041.4054	521.2063	8	E	5	**658.3882**	329.6978
1154.4894	577.7484	9	I	4	**529.3457**	265.1765
1267.5735	634.2904	10	L	3	**416.2616**	208.6344
1395.6321	698.3197	11	Q	2	**303.1775**	152.0924
		12	R	1	175.1190	88.0631

K.ILENIS$_{167}$DDDYDDDDDGNKK.L/2

1

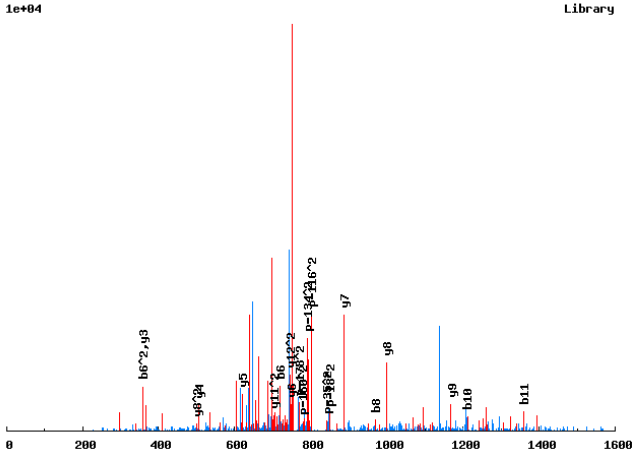


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	19		
227.1754	114.0913	2	L	18	2165.8030	1083.4051
356.2180	178.6126	3	E	17	2052.7189	**1026.8631**
470.2609	235.6341	4	N	16	1923.6764	**962.3418**
583.3450	292.1761	5	I	15	1809.6334	**905.3204**
750.3433	375.6753	6	S[167]	14	1696.5494	**848.7783**
865.3703	433.1888	7	D	13	**1529.5510**	**765.2791**
980.3972	490.7023	8	D	12	**1414.5241**	707.7657
1095.4242	548.2157	9	D	11	**1299.4971**	650.2522
1258.4875	629.7474	10	Y	10	**1184.4702**	592.7387
1373.5144	**687.2609**	11	D	9	**1021.4069**	511.2071
1488.5414	744.7743	12	D	8	**906.3799**	453.6936
1603.5683	**802.2878**	13	D	7	**791.3530**	396.1801
1718.5953	859.8013	14	D	6	**676.3260**	338.6667
1833.6222	917.3147	15	D	5	561.2991	281.1532
1890.6437	945.8255	16	G	4	**446.2722**	223.6397
2004.6866	1002.8469	17	N	3	389.2507	195.1290
2132.7815	**1066.8944**	18	K	2	275.2078	138.1075
		19	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ILSAS$_{167}$S$_{167}$IHENFPSR.T/2

0.9944

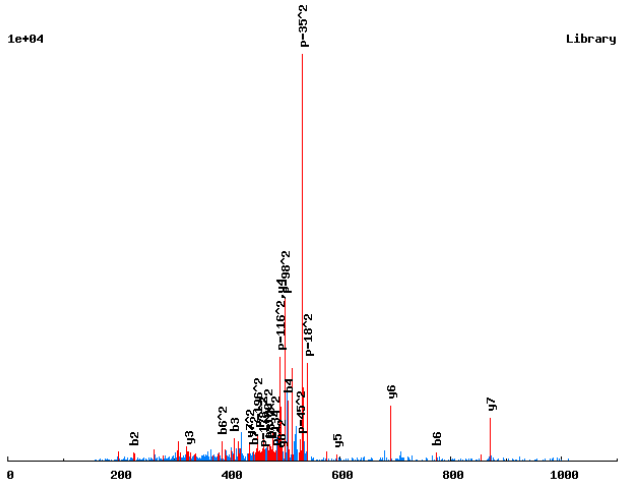


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	14		
227.1754	114.0913	2	L	13	1604.6506	802.8289
314.2074	157.6074	3	S	12	1491.5665	**746.2869**
385.2445	193.1259	4	A	11	1404.5345	**702.7709**
552.2429	276.6251	5	S[167]	10	1333.4974	667.2523
719.2413	**360.1243**	6	S[167]	9	**1166.4990**	583.7531
832.3253	416.6663	7	I	8	**999.5006**	**500.2540**
969.3842	485.1958	8	H	7	**886.4166**	443.7119
1098.4268	549.7171	9	E	6	**749.3577**	375.1825
1212.4698	606.7385	10	N	5	**620.3151**	310.6612
1359.5382	680.2727	11	F	4	**506.2722**	253.6397
1456.5909	728.7991	12	P	3	**359.2037**	180.1055
1543.6230	772.3151	13	S	2	262.1510	131.5791
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.ILT$_{181}$PTS$_{167}$LGK$_{136}$.I/2

0.9535

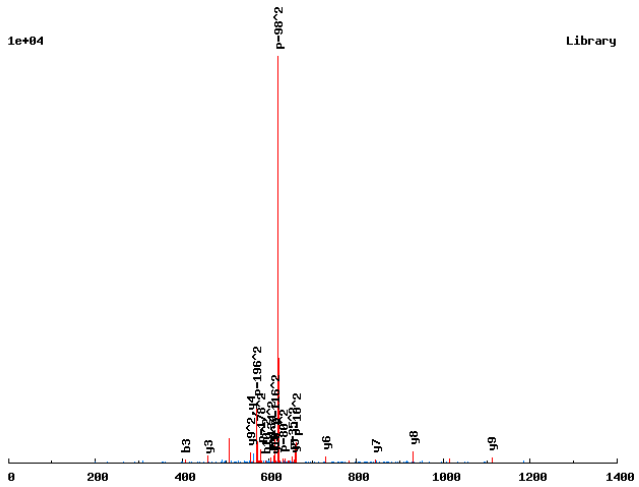


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	9		
227.1754	114.0913	2	L	8	984.4294	**492.7183**
408.1894	204.5983	3	T[181]	7	**871.3453**	**436.1763**
505.2422	253.1247	4	P	6	**690.3313**	345.6693
606.2899	303.6486	5	T	5	**593.2786**	297.1429
773.2882	**387.1477**	6	S[167]	4	**492.2309**	246.6191
886.3723	**443.6898**	7	L	3	**325.2325**	163.1199
943.3937	**472.2005**	8	G	2	212.1485	106.5779
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.ILT$_{181}$SDATVS$_{167}$K$_{136}$K$_{136}$.D/2

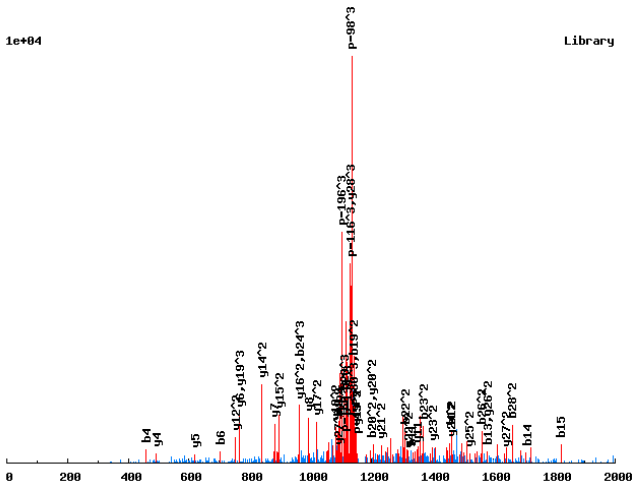
0.9739



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	11		
227.1754	114.0913	2	L	10	1225.5448	**613.2760**
408.1894	204.5983	3	T[181]	9	**1112.4607**	**556.7340**
495.2214	248.1144	4	S	8	**931.4467**	466.2270
610.2484	305.6278	5	D	7	**844.4147**	422.7110
681.2855	341.1464	6	A	6	**729.3877**	365.1975
782.3332	391.6702	7	T	5	**658.3506**	329.6789
881.4016	441.2044	8	V	4	**557.3029**	279.1551
1048.3999	524.7036	9	S[167]	3	**458.2345**	229.6209
1184.5091	**592.7582**	10	K[136]	2	291.2362	146.1217
		11	K[136]	1	155.1270	78.0671

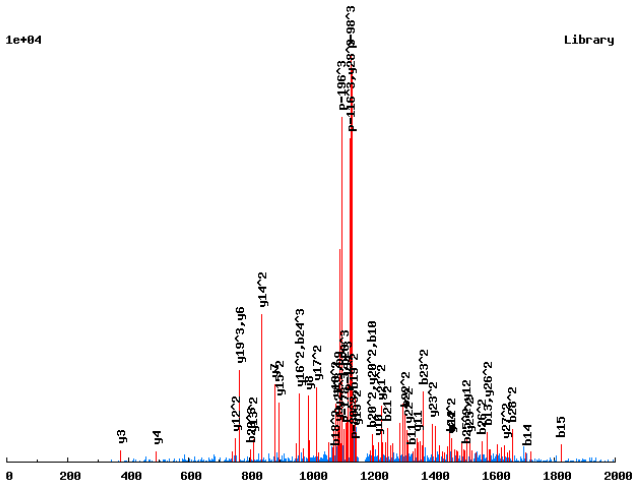
R.INNDENS$_{167}$S$_{167}$GNEEDEDGNRQEVLDFQDAER.E/3

1



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	29			
228.1343	114.5708	76.7163	2	N	28	3385.2397	1693.1235	**1129.0848**
342.1772	171.5922	114.7306	3	N	27	3271.1968	**1636.1020**	**1091.0705**
457.2041	229.1057	153.0729	4	D	26	3157.1539	**1579.0806**	1053.0561
586.2467	293.6270	196.0871	5	E	25	3042.1269	**1521.5671**	1014.7138
700.2897	350.6485	234.1014	6	N	24	2913.0844	**1457.0458**	971.6996
867.2880	434.1477	289.7675	7	S[167]	23	2799.0414	**1400.0244**	933.6853
1034.2864	517.6468	345.4336	8	S[167]	22	2632.0431	**1316.5252**	878.0192
1091.3078	546.1576	364.4408	9	G	21	2465.0447	**1233.0260**	822.3531
1205.3508	603.1790	402.4551	10	N	20	2408.0232	**1204.5153**	803.3459
1334.3934	667.7003	445.4693	11	E	19	2293.9803	**1147.4938**	**765.3316**
1463.4360	732.2216	488.4835	12	E	18	2164.9377	**1082.9725**	722.3174
1578.4629	789.7351	526.8258	13	D	17	2035.8951	**1018.4512**	679.3032
1707.5055	854.2564	569.8400	14	E	16	1920.8682	**960.9377**	640.9609
1822.5324	911.7699	608.1823	15	D	15	1791.8256	**896.4164**	597.9467
1879.5539	940.2806	627.1895	16	G	14	1676.7987	**838.9030**	559.6044
1993.5968	997.3020	665.2038	17	N	13	1619.7772	810.3922	540.5973
2149.6979	1075.3526	717.2375	18	R	12	1505.7343	**753.3708**	502.5829
2277.7565	**1139.3819**	759.9237	19	Q	11	**1349.6332**	675.3202	450.5492
2406.7991	**1203.9032**	802.9379	20	E	10	1221.5746	611.2909	407.8630
2505.8675	1253.4374	835.9607	21	V	9	**1092.5320**	546.7696	364.8489
2618.9516	**1309.9794**	873.6554	22	L	8	**993.4636**	497.2354	331.8260
2733.9785	**1367.4929**	911.9977	23	D	7	**880.3795**	440.6934	294.1314
2881.0469	1441.0271	**961.0205**	24	F	6	**765.3526**	383.1799	255.7890
3009.1055	1505.0564	1003.7067	25	Q	5	**618.2842**	309.6457	206.7662
3124.1324	**1562.5699**	1042.0490	26	D	4	**490.2256**	245.6164	164.0800
3195.1695	1598.0884	1065.7280	27	A	3	375.1986	188.1030	125.7377
3324.2121	**1662.6097**	**1108.7422**	28	E	2	304.1615	152.5844	102.0587
			29	R	1	175.1190	88.0631	59.0445

1

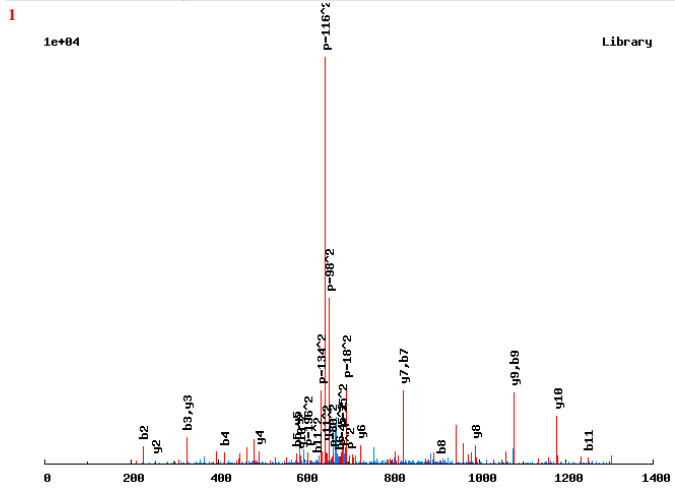


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	29			
228.1343	114.5708	76.7163	2	N	28	3385.2397	1693.1235	**1129.0848**
342.1772	171.5922	114.7306	3	N	27	3271.1968	**1636.1020**	**1091.0705**
457.2041	229.1057	153.0729	4	D	26	3157.1539	**1579.0806**	1053.0561
586.2467	293.6270	196.0871	5	E	25	3042.1269	**1521.5671**	1014.7138
700.2897	350.6485	234.1014	6	N	24	2913.0844	**1457.0458**	971.6996
867.2880	434.1477	289.7675	7	S[167]	23	2799.0414	**1400.0244**	933.6853
1034.2864	517.6468	345.4336	8	S[167]	22	2632.0431	**1316.5252**	878.0192
1091.3078	546.1576	364.4408	9	G	21	2465.0447	**1233.0260**	822.3531
1205.3508	603.1790	402.4551	10	N	20	2408.0232	**1204.5153**	803.3459
1334.3934	667.7003	445.4693	11	E	19	2293.9803	**1147.4938**	**765.3316**
1463.4360	732.2216	488.4835	12	E	18	2164.9377	**1082.9725**	722.3174
1578.4629	789.7351	526.8258	13	D	17	2035.8951	**1018.4512**	679.3032
1707.5055	854.2564	569.8400	14	E	16	1920.8682	**960.9377**	640.9609
1822.5324	911.7699	608.1823	15	D	15	1791.8256	**896.4164**	597.9467
1879.5539	940.2806	627.1895	16	G	14	1676.7987	**838.9030**	559.6044
1993.5968	997.3020	665.2038	17	N	13	1619.7772	**810.3922**	540.5973
2149.6979	**1075.3526**	717.2375	18	R	12	**1505.7343**	**753.3708**	502.5829
2277.7565	**1139.3819**	759.9237	19	Q	11	**1349.6332**	675.3202	450.5492
2406.7991	**1203.9032**	**802.9379**	20	E	10	**1221.5746**	611.2909	407.8630
2505.8675	**1253.4374**	835.9607	21	V	9	**1092.5320**	546.7696	364.8489
2618.9516	**1309.9794**	873.6554	22	L	8	**993.4636**	497.2354	331.8260

Annotated spectra from Saleem et. al. 2009

2733.9785	**1367.4929**	911.9977	**23**	**D**	**7**	**880.3795**	440.6934	294.1314
2881.0469	1441.0271	**961.0205**	**24**	**F**	**6**	**765.3526**	383.1799	255.7890
3009.1055	**1505.0564**	1003.7067	**25**	**Q**	**5**	618.2842	309.6457	206.7662
3124.1324	**1562.5699**	1042.0490	**26**	**D**	**4**	**490.2256**	245.6164	164.0800
3195.1695	1598.0884	1065.7280	**27**	**A**	**3**	**375.1986**	188.1030	125.7377
3324.2121	**1662.6097**	**1108.7422**	**28**	**E**	**2**	304.1615	152.5844	102.0587
			29	**R**	**1**	175.1190	88.0631	59.0445

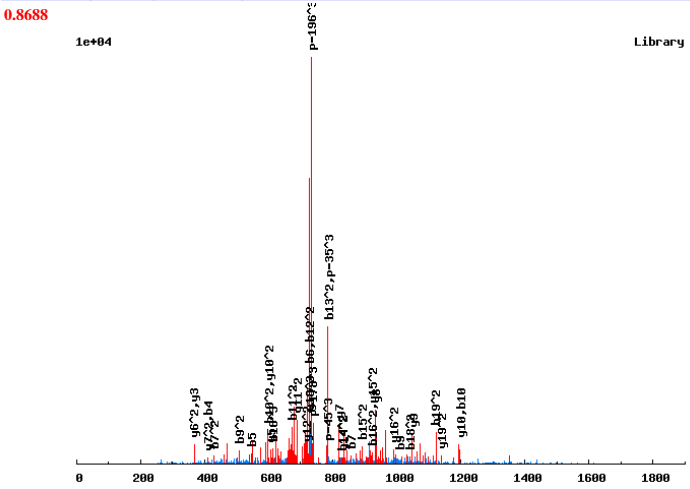
R.INVSS$_{167}$PFSS$_{167}$ATK$_{136}$.L/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	12		
228.1343	114.5708	2	N	11	1292.5051	**646.7562**
327.2027	164.1050	3	V	10	**1178.4622**	**589.7347**
414.2347	207.6210	4	S	9	**1079.3937**	540.2005
581.2331	291.1202	5	S[167]	8	**992.3617**	496.6845
678.2858	339.6466	6	P	7	**825.3634**	413.1853
825.3542	413.1808	7	F	6	**728.3106**	364.6589
912.3863	456.6968	8	S	5	**581.2422**	291.1247
1079.3846	540.1960	9	S[167]	4	**494.2101**	247.6087
1150.4217	575.7145	10	A	3	**327.2118**	164.1095
1251.4694	**626.2384**	11	T	2	**256.1747**	128.5910
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

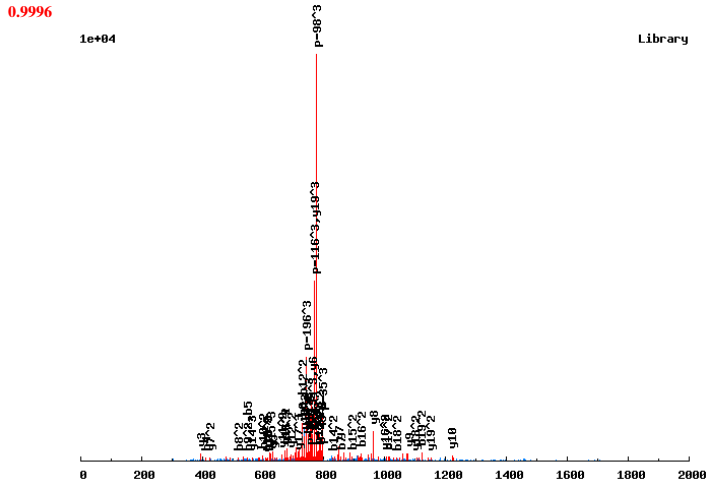
R.IPAQHT$_{181}$KTGT$_{181}$FINSQGT$_{181}$GYK.Q/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	20			
211.1441	106.0757	71.0529	2	P	19	2275.9186	**1138.4629**	759.3110
282.1812	141.5942	94.7319	3	A	18	2178.8658	1089.9365	**726.9601**
410.2398	205.6235	137.4181	4	Q	17	2107.8287	1054.4180	703.2811
547.2987	274.1530	183.1044	5	H	16	1979.7701	**990.3887**	660.5949
728.3127	364.6600	243.4424	6	T[181]	15	1842.7112	**921.8592**	614.9086
856.4077	**428.7075**	286.1407	7	K	14	1661.6972	**831.3522**	554.5706
957.4554	479.2313	319.8233	8	T	13	1533.6022	767.3048	511.8723
1014.4768	**507.7420**	338.8305	9	G	12	1432.5545	**716.7809**	478.1897
1195.4908	**598.2491**	399.1685	10	T[181]	11	1375.5331	**688.2702**	459.1825
1342.5592	**671.7833**	448.1913	11	F	10	**1194.5191**	**597.7632**	398.8445
1455.6433	**728.3253**	485.8860	12	I	9	**1047.4507**	524.2290	349.8217
1569.6862	**785.3468**	523.9003	13	N	8	**934.3666**	467.6869	312.1271
1656.7183	**828.8628**	552.9109	14	S	7	**820.3237**	**410.6655**	274.1127
1784.7768	**892.8921**	595.5971	15	Q	6	**733.2916**	**367.1495**	245.1021
1841.7983	**921.4028**	**614.6043**	16	G	5	**605.2331**	303.1202	202.4159
2022.8123	1011.9098	674.9423	17	T[181]	4	548.2116	274.6094	183.4087
2079.8338	**1040.4205**	693.9494	18	G	3	**367.1976**	184.1024	123.0707
2242.8971	**1121.9522**	748.3039	19	Y	2	310.1761	155.5917	104.0636
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.IPAQHT$_{181}$KT$_{181}$GTFINSQGT$_{181}$GYR.Q/3

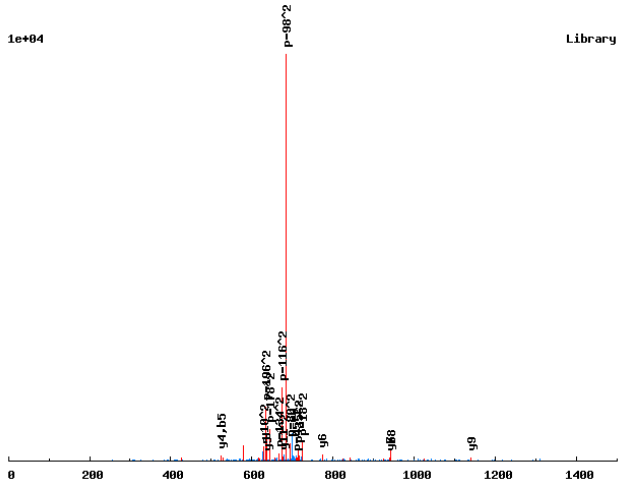


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	20			
211.1441	106.0757	71.0529	2	P	19	2303.9247	**1152.4660**	**768.6464**
282.1812	141.5942	94.7319	3	A	18	2206.8719	**1103.9396**	**736.2955**
410.2398	205.6235	137.4181	4	Q	17	2135.8348	1068.4211	**712.6165**
547.2987	274.1530	183.1044	5	H	16	2007.7763	**1004.3918**	**669.9303**
728.3127	364.6600	243.4424	6	T[181]	15	1870.7173	935.8623	**624.2440**
856.4077	428.7075	286.1407	7	K	14	1689.7033	845.3553	**563.9060**
1037.4217	**519.2145**	346.4787	8	T[181]	13	1561.6084	**781.3078**	521.2076
1094.4431	**547.7252**	365.4859	9	G	12	1380.5944	**690.8008**	460.8696
1195.4908	**598.2491**	399.1685	10	T	11	1323.5729	**662.2901**	441.8625
1342.5592	**671.7833**	448.1913	11	F	10	**1222.5252**	**611.7663**	408.1799
1455.6433	**728.3253**	485.8860	12	I	9	**1075.4568**	538.2320	359.1571
1569.6862	**785.3468**	523.9003	13	N	8	**962.3728**	481.6900	321.4624
1656.7183	**828.8628**	552.9109	14	S	7	**848.3298**	**424.6686**	283.4481
1784.7768	**892.8921**	595.5971	15	Q	6	**761.2978**	381.1525	254.4375
1841.7983	**921.4028**	**614.6043**	16	G	5	**633.2392**	317.1232	211.7513
2022.8123	**1011.9098**	674.9423	17	T[181]	4	576.2178	288.6125	192.7441
2079.8338	**1040.4205**	693.9494	18	G	3	**395.2037**	198.1055	132.4061
2242.8971	**1121.9522**	**748.3039**	19	Y	2	338.1823	169.5948	113.3989
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.IPNSLS$_{167}$K$_{136}$IS$_{167}$TTK$_{136}$.L/2

0.5899

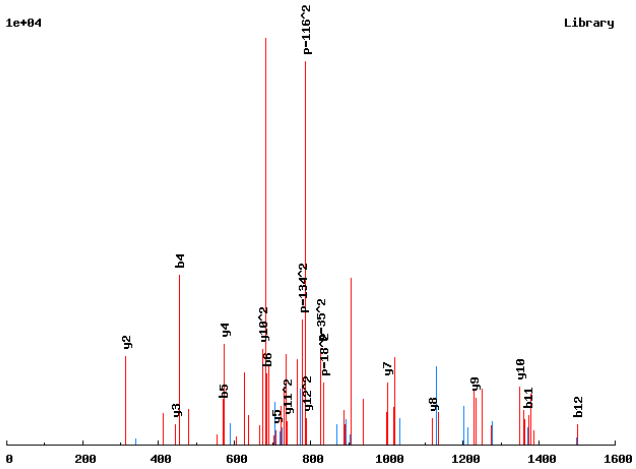


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	12		
211.1441	106.0757	2	P	11	1351.6241	**676.3157**
325.1870	163.0972	3	N	10	1254.5713	**627.7893**
412.2191	206.6132	4	S	9	**1140.5284**	570.7678
525.3031	263.1552	5	L	8	1053.4964	527.2518
692.3015	346.6544	6	S[167]	7	**940.4123**	470.7098
828.4106	414.7090	7	K[136]	6	**773.4139**	387.2106
941.4947	471.2510	8	I	5	**637.3048**	319.1560
1108.4931	554.7502	9	S[167]	4	**524.2207**	262.6140
1209.5407	605.2740	10	T	3	357.2224	179.1148
1310.5884	655.7979	11	T	2	256.1747	128.5910
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.IPQDDDS$_{167}$EK$_{136}$QEER$_{166}$.T/2

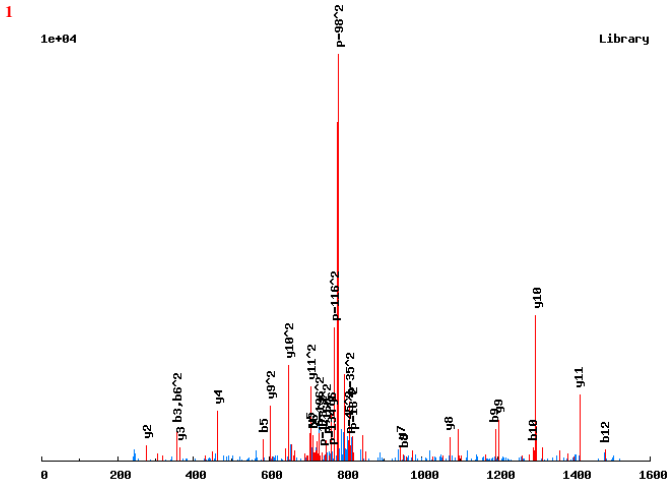
0.951



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	13		
211.1441	106.0757	2	P	12	1573.6132	**787.3103**
339.2027	170.1050	3	Q	11	1476.5605	**738.7839**
454.2296	227.6184	4	D	10	**1348.5019**	**674.7546**
569.2566	285.1319	5	D	9	**1233.4750**	617.2411
684.2835	342.6454	6	D	8	**1118.4480**	559.7277
851.2819	426.1446	7	S[167]	7	**1003.4211**	502.2142
980.3245	490.6659	8	E	6	836.4227	418.7150
1116.4336	558.7204	9	K[136]	5	**707.3801**	354.1937
1244.4922	622.7497	10	Q	4	**571.2710**	286.1391
1373.5348	687.2710	11	E	3	**443.2124**	222.1098
1502.5774	751.7923	12	E	2	**314.1698**	157.5885
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

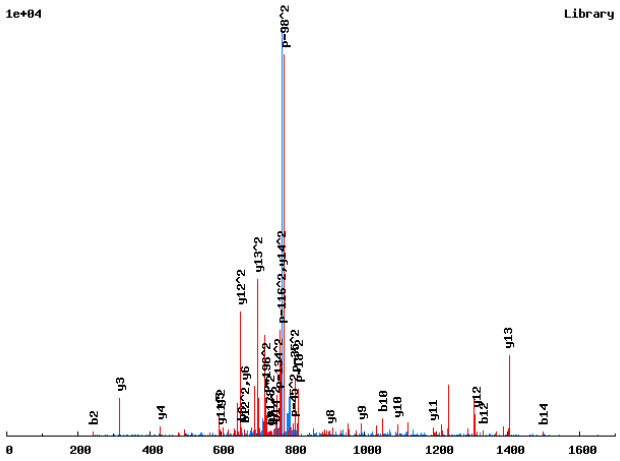
R.IQDPQMT$_{181}$GY$_{243}$VSTR.Y/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	13		
242.1499	121.5786	2	Q	12	1542.5696	771.7884
357.1769	179.0921	3	D	11	**1414.5110**	**707.7591**
454.2296	227.6184	4	P	10	**1299.4840**	**650.2457**
582.2882	291.6477	5	Q	9	**1202.4313**	**601.7193**
713.3287	**357.1680**	6	M	8	**1074.3727**	537.6900
894.3427	447.6750	7	T[181]	7	**943.3322**	472.1697
951.3642	476.1857	8	G	6	**762.3182**	381.6627
1194.3938	597.7006	9	Y[243]	5	**705.2967**	353.1520
1293.4622	647.2348	10	V	4	**462.2671**	231.6372
1380.4943	690.7508	11	S	3	**363.1987**	182.1030
1481.5419	741.2746	12	T	2	**276.1666**	138.5870
		13	R	1	175.1190	88.0631

K.IQPNTTSS$_{167}$AAS$_{167}$LPAK.H/2

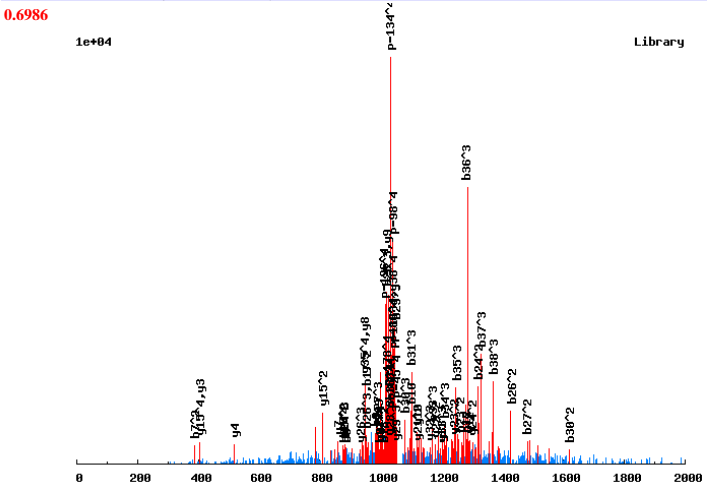
0.9916



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	15		
242.1499	121.5786	2	Q	14	1532.6393	**766.8233**
339.2027	170.1050	3	P	13	**1404.5808**	**702.7940**
453.2456	227.1264	4	N	12	**1307.5280**	**654.2676**
554.2933	277.6503	5	T	11	**1193.4851**	**597.2462**
655.3410	328.1741	6	T	10	**1092.4374**	546.7223
742.3730	371.6901	7	S	9	**991.3897**	496.1985
909.3714	455.1893	8	S[167]	8	**904.3577**	452.6825
980.4085	490.7079	9	A	7	**737.3593**	369.1833
1051.4456	526.2264	10	A	6	**666.3222**	333.6647
1218.4439	609.7256	11	S[167]	5	**595.2851**	298.1462
1331.5280	**666.2676**	12	L	4	**428.2867**	214.6470
1428.5808	714.7940	13	P	3	**315.2027**	158.1050
1499.6179	**750.3126**	14	A	2	218.1499	109.5786
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.IRDSDSVLPNANT$_{181}$ADHNNTNS$_{167}$GGEPINSSVASNDIIEEK.F/4

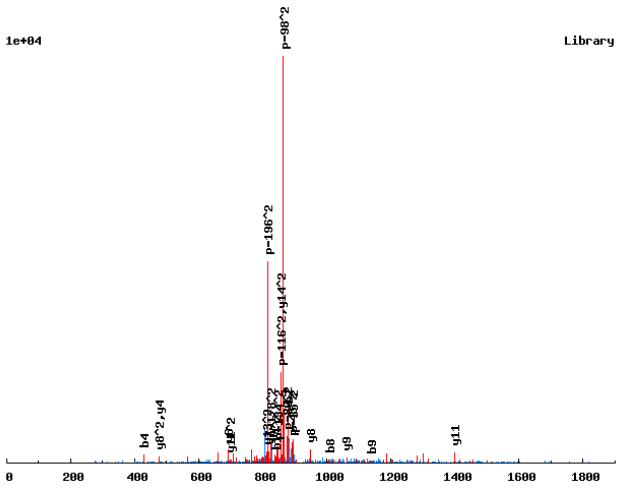


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	I	39				
270.1924	135.5999	90.7357	68.3036	2	R	38	4141.7619	2071.3846	1381.2588	**1036.1959**
385.2194	193.1133	129.0780	97.0603	3	D	37	3985.6608	1993.3340	1329.2251	**997.1707**
472.2514	236.6293	158.0887	118.8183	4	S	36	3870.6338	1935.8206	1290.8828	968.4139
587.2784	294.1428	196.4310	147.5751	5	D	35	3783.6018	1892.3045	1261.8721	**946.6559**
674.3104	337.6588	225.4417	169.3331	6	S	34	3668.5749	1834.7911	1223.5298	917.8992
773.3788	**387.1930**	258.4645	194.1002	7	V	33	3581.5428	1791.2751	**1194.5191**	896.1412
886.4629	443.7351	296.1591	222.3712	8	L	32	3482.4744	1741.7409	**1161.4963**	871.3741
983.5156	492.2615	328.5101	246.6344	9	P	31	3369.3904	1685.1988	1123.8016	843.1031
1097.5585	549.2829	366.5244	275.1451	10	N	30	3272.3376	1636.6724	1091.4507	818.8399
1168.5957	584.8015	390.2034	292.9044	11	A	29	3158.2947	1579.6510	**1053.4364**	790.3291
1282.6386	641.8229	428.2177	321.4151	12	N	28	3087.2576	1544.1324	**1029.7574**	772.5699
1463.6526	732.3299	488.5557	366.6686	13	T[181]	27	2973.2146	1487.1110	**991.7431**	744.0591
1534.6897	767.8485	512.2348	384.4279	14	A	26	2792.2006	1396.6040	**931.4051**	698.8056
1649.7167	825.3620	550.5771	413.1846	15	D	25	2721.1635	1361.0854	907.7260	681.0463
1786.7756	893.8914	596.2634	447.4494	16	H	24	2606.1366	**1303.5719**	869.3837	652.2896
1900.8185	**950.9129**	634.2777	475.9601	17	N	23	2469.0777	**1235.0425**	823.6974	618.0249
2014.8614	**1007.9344**	672.2920	504.4708	18	N	22	2355.0347	**1178.0210**	785.6831	589.5141
2115.9091	1058.4582	705.9746	529.7327	19	T	21	2240.9918	**1120.9995**	747.6688	561.0034
2229.9520	1115.4797	743.9889	558.2435	20	N	20	2139.9441	1070.4757	713.9862	535.7415
2396.9504	1198.9788	799.6550	599.9931	21	S[167]	19	2025.9012	1013.4542	675.9719	507.2308
2453.9719	1227.4896	818.6621	614.2484	22	G	18	1858.9028	929.9551	620.3058	465.4812
2510.9933	**1256.0003**	837.6693	628.5038	23	G	17	1801.8814	901.4443	601.2986	451.2258
2640.0359	**1320.5216**	**880.6835**	660.7644	24	E	16	1744.8599	**872.9336**	582.2915	436.9704
2737.0887	1369.0480	913.0344	685.0276	25	P	15	1615.8173	**808.4123**	539.2773	**404.7098**
2850.1727	**1425.5900**	**950.7291**	713.2986	26	I	14	1518.7646	759.8859	506.9264	380.4466
2964.2157	**1482.6115**	**988.7434**	741.8094	27	N	13	1405.6805	703.3439	469.2317	352.1756
3051.2477	1526.1275	**1017.7541**	763.5674	28	S	12	**1291.6376**	646.3224	431.2174	323.6649
3138.2797	1569.6435	**1046.7648**	785.3254	29	S	11	**1204.6055**	602.8064	402.2067	301.9068
3237.3481	**1619.1777**	**1079.7876**	810.0925	30	V	10	**1117.5735**	559.2904	373.1960	280.1488
3308.3852	1654.6963	**1103.4666**	827.8518	31	A	9	**1018.5051**	509.7562	340.1732	255.3817
3395.4173	1698.2123	1132.4773	849.6098	32	S	8	**947.4680**	474.2376	316.4942	237.6225
3509.4602	1755.2337	**1170.4916**	**878.1205**	33	N	7	**860.4360**	430.7216	287.4835	215.8645
3624.4871	1812.7472	**1208.8339**	906.8772	34	D	6	746.3930	373.7002	249.4692	187.3537
3737.5712	1869.2892	**1246.5286**	935.1483	35	I	5	631.3661	316.1867	211.1269	158.5970
3850.6553	1925.8313	**1284.2233**	963.4193	36	I	4	**518.2820**	259.6447	173.4322	130.3260
3979.6978	1990.3526	**1327.2375**	**995.6799**	37	E	3	**405.1980**	203.1026	135.7375	102.0550
4108.7404	2054.8739	**1370.2517**	**1027.9406**	38	E	2	276.1554	138.5813	92.7233	69.7943
				39	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.ISIDS$_{167}$S$_{167}$DEESELSKK.E/2

0.9918

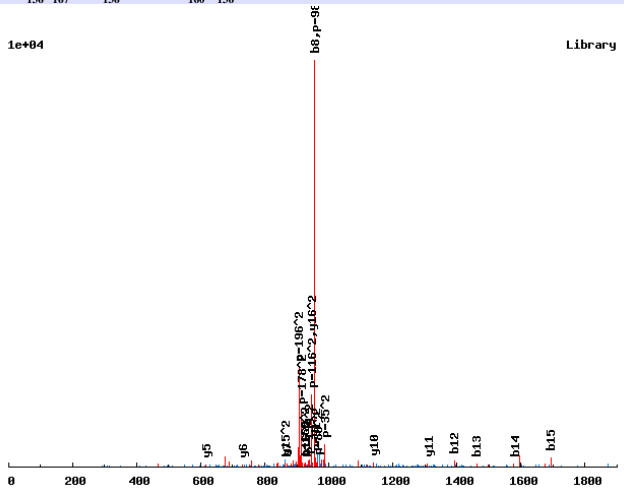


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	15		
201.1234	101.0653	2	S	14	1713.6503	**857.3288**
314.2074	157.6074	3	I	13	1626.6183	**813.8128**
429.2344	215.1208	4	D	12	1513.5343	757.2708
596.2327	298.6200	5	S[167]	11	**1398.5073**	**699.7573**
763.2311	382.1192	6	S[167]	10	1231.5090	616.2581
878.2580	439.6327	7	D	9	**1064.5106**	532.7589
1007.3006	504.1540	8	E	8	**949.4837**	**475.2455**
1136.3432	568.6752	9	E	7	**820.4411**	410.7242
1223.3752	612.1913	10	S	6	**691.3985**	346.2029
1352.4178	676.7126	11	E	5	604.3664	302.6869
1465.5019	733.2546	12	L	4	**475.3238**	238.1656
1552.5339	776.7706	13	S	3	362.2398	181.6235
1680.6289	**840.8181**	14	K	2	275.2078	138.1075
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.IS$_{167}$IGNK$_{136}$S$_{167}$SGK$_{136}$EDANDC$_{160}$K$_{136}$.S/2

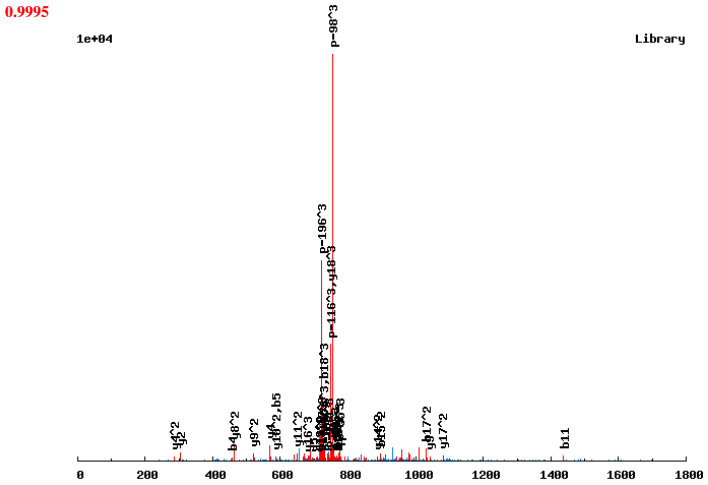
0.5867



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	17		
281.0897	141.0485	2	S[167]	16	1893.7511	**947.3792**
394.1738	197.5905	3	I	15	1726.7528	**863.8800**
451.1952	226.1013	4	G	14	1613.6687	807.3380
565.2382	283.1227	5	N	13	1556.6473	778.8273
701.3473	351.1773	6	K[136]	12	1442.6043	721.8058
868.3457	434.6765	7	S[167]	11	**1306.4952**	653.7512
955.3777	478.1925	8	S	10	**1139.4968**	570.2520
1012.3992	506.7032	9	G	9	1052.4648	526.7360
1148.5083	574.7578	10	K[136]	8	995.4433	498.2253
1277.5509	639.2791	11	E	7	859.3342	430.1707
1392.5778	696.7926	12	D	6	**730.2916**	365.6494
1463.6150	732.3111	13	A	5	**615.2646**	308.1360
1577.6579	789.3326	14	N	4	544.2275	272.6174
1692.6848	846.8461	15	D	3	430.1846	215.5959
1852.7155	**926.8614**	16	C[160]	2	315.1577	158.0825
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.ISKQET$_{181}$S$_{167}$EEEDTAGKHEQR.E/3

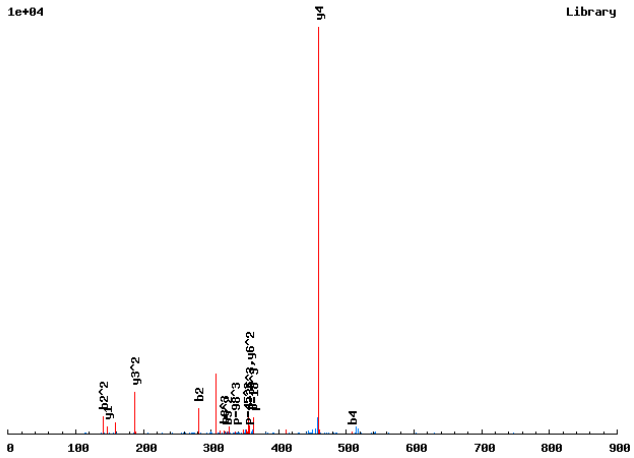


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	19			
201.1234	101.0653	67.7126	2	S	18	2248.8755	1124.9414	**750.2967**
329.2183	165.1128	110.4110	3	K	17	2161.8435	**1081.4254**	**721.2860**
457.2769	229.1421	153.0972	4	Q	16	2033.7485	1017.3779	**678.5877**
586.3195	293.6634	196.1114	5	E	15	1905.6899	953.3486	635.9015
767.3335	384.1704	256.4494	6	T[181]	14	1776.6473	**888.8273**	592.8873
934.3319	467.6696	312.1155	7	S[167]	13	1595.6333	798.3203	532.5493
1063.3745	532.1909	355.1297	8	E	12	1428.6350	**714.8211**	476.8832
1192.4171	596.7122	398.1439	9	E	11	1299.5924	**650.2998**	433.8690
1321.4596	661.2335	441.1581	10	E	10	1170.5498	**585.7785**	390.8548
1436.4866	**718.7469**	479.5004	11	D	9	**1041.5072**	**521.2572**	347.8406
1537.5343	**769.2708**	513.1829	12	T	8	926.4802	**463.7438**	309.4983
1608.5714	804.7893	536.8620	13	A	7	825.4326	413.2199	275.8157
1665.5928	833.3001	555.8691	14	G	6	**754.3955**	377.7014	252.1367
1793.6878	**897.3475**	598.5675	15	K	5	**697.3740**	349.1906	233.1295
1930.7467	965.8770	644.2538	16	H	4	**569.2790**	**285.1432**	190.4312
2059.7893	**1030.3983**	687.2680	17	E	3	432.2201	216.6137	144.7449
2187.8479	1094.4276	**729.9541**	18	Q	2	**303.1775**	152.0924	101.7307
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

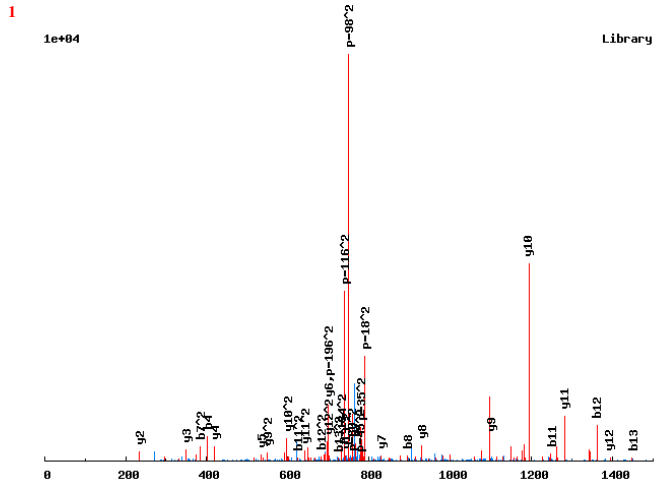
R.IS$_{167}$LNHSPKK.L/3

0.7521



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	9			
281.0897	**141.0485**	94.3681	2	S[167]	8	990.4768	495.7420	330.8305
394.1738	197.5905	132.0628	3	L	7	823.4785	412.2429	275.1643
508.2167	254.6120	170.0771	4	N	6	710.3944	**355.7008**	237.4697
645.2756	**323.1414**	215.7634	5	H	5	596.3515	298.6794	199.4553
732.3076	366.6575	244.7741	6	S	4	**459.2926**	230.1499	153.7690
829.3604	415.1838	277.1250	7	P	3	372.2605	**186.6339**	124.7584
957.4554	479.2313	**319.8233**	8	K	2	275.2078	138.1075	92.4074
			9	K	1	**147.1128**	74.0600	49.7091

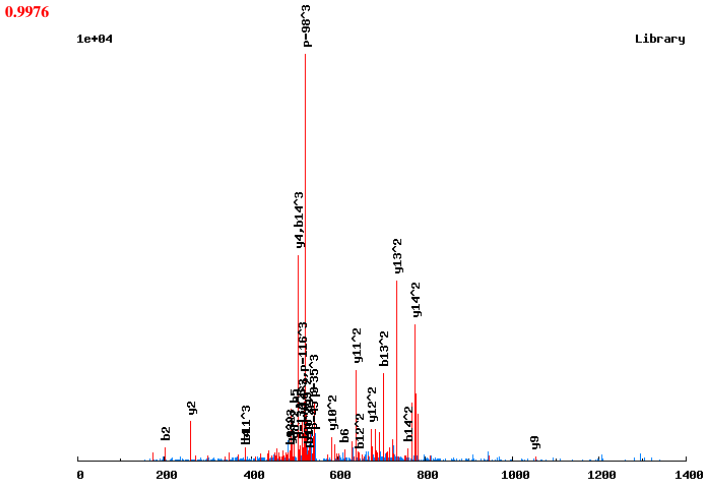
K.ISLSPS$_{167}$TES$_{167}$LADSK.S/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	14		
201.1234	101.0653	2	S	13	1481.5808	**741.2940**
314.2074	157.6074	3	L	12	**1394.5488**	**697.7780**
401.2395	201.1234	4	S	11	**1281.4647**	**641.2360**
498.2922	249.6497	5	P	10	**1194.4327**	**597.7200**
665.2906	333.1489	6	S[167]	9	**1097.3799**	**549.1936**
766.3383	**383.6728**	7	T	8	**930.3816**	465.6944
895.3809	448.1941	8	E	7	**829.3339**	415.1706
1062.3792	531.6932	9	S[167]	6	**700.2913**	350.6493
1175.4633	588.2353	10	L	5	**533.2929**	267.1501
1246.5004	**623.7538**	11	A	4	**420.2089**	210.6081
1361.5273	**681.2673**	12	D	3	**349.1718**	175.0895
1448.5594	**724.7833**	13	S	2	**234.1448**	117.5761
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.ISNALDGS$_{167}$HSVMDLK.Q/3

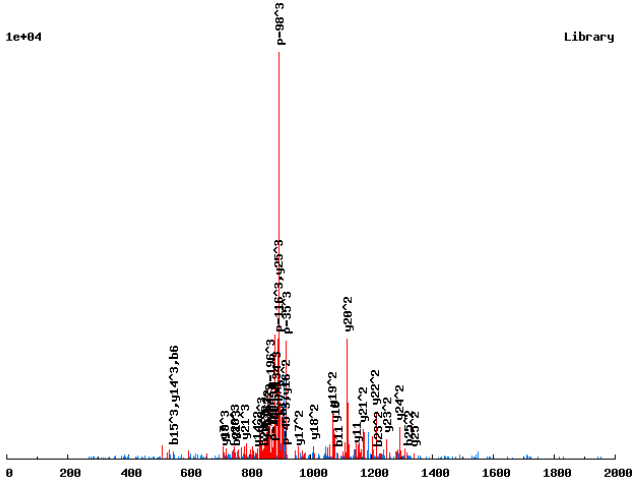


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	15			
201.1234	101.0653	67.7126	2	S	14	1553.6665	**777.3369**	**518.5604**
315.1663	158.0868	105.7270	3	N	13	1466.6345	**733.8209**	**489.5497**
386.2034	193.6053	129.4060	4	A	12	1352.5916	**676.7994**	451.5354
499.2875	250.1474	167.1007	5	L	11	1281.5545	**641.2809**	427.8563
614.3144	307.6608	205.4430	6	D	10	1168.4704	**584.7388**	390.1617
671.3359	336.1716	224.4501	7	G	9	**1053.4435**	**527.2254**	351.8193
838.3342	419.6708	280.1163	8	S[167]	8	996.4220	**498.7146**	332.8122
975.3931	**488.2002**	325.8026	9	H	7	829.4236	415.2155	277.1461
1062.4252	**531.7162**	354.8132	10	S	6	692.3647	346.6860	231.4598
1161.4936	581.2504	**387.8360**	11	V	5	605.3327	303.1700	202.4491
1292.5341	**646.7707**	431.5162	12	M	4	**506.2643**	253.6358	169.4263
1407.5610	**704.2841**	469.8585	13	D	3	375.2238	188.1155	125.7461
1520.6451	**760.8262**	**507.5532**	14	L	2	**260.1969**	130.6021	87.4038
			15	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ISSASTPQTSQGR$_{166}$FT$_{181}$APT$_{181}$SPSTSSPK$_{136}$.A/3

0.8753

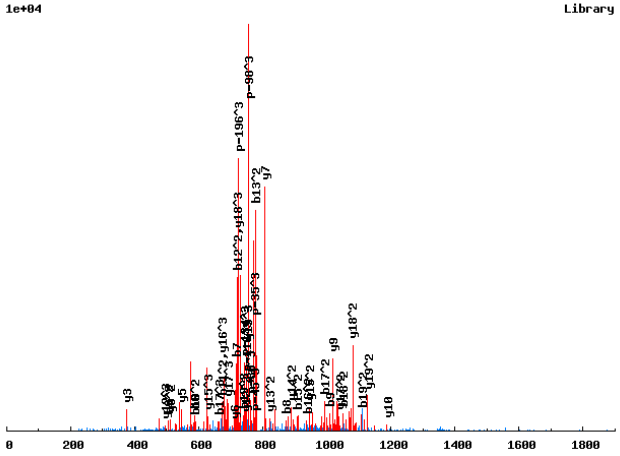


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	26			
201.1234	101.0653	67.7126	2	S	25	2673.1560	**1337.0816**	**891.7235**
288.1554	144.5813	96.7233	3	S	24	2586.1239	**1293.5656**	**862.7128**
359.1925	180.0999	120.4024	4	A	23	2499.0919	**1250.0496**	**833.7022**
446.2245	223.6159	149.4130	5	S	22	2428.0548	**1214.5310**	810.0231
547.2722	274.1398	183.0956	6	T	21	2341.0228	**1171.0150**	**781.0124**
644.3250	322.6661	215.4465	7	P	20	2239.9751	**1120.4912**	**747.3299**
772.3836	386.6954	258.1327	8	Q	19	2142.9223	**1071.9648**	**714.9790**
873.4312	437.2193	291.8153	9	T	18	2014.8637	**1007.9355**	672.2928
960.4633	480.7353	320.8259	10	S	17	1913.8161	**957.4117**	638.6102
1088.5219	544.7646	363.5121	11	Q	16	1826.7840	**913.8957**	609.5995
1145.5433	573.2753	382.5193	12	G	15	1698.7255	**849.8664**	566.9133
1311.6527	656.3300	437.8891	13	R[166]	14	1641.7040	**821.3556**	**547.9062**
1458.7211	729.8642	486.9119	14	F	13	1475.5946	738.3010	492.5364
1639.7351	820.3712	**547.2499**	15	T[181]	12	1328.5262	664.7667	443.5136
1710.7722	**855.8898**	570.9289	16	A	11	**1147.5122**	574.2597	383.1756
1807.8250	**904.4161**	603.2798	17	P	10	**1076.4751**	538.7412	359.4966
1988.8390	994.9231	663.6179	18	T[181]	9	979.4223	490.2148	327.1456
2075.8710	1038.4392	692.6285	19	S	8	798.4083	399.7078	266.8076
2172.9238	1086.9655	724.9794	20	P	7	**711.3763**	356.1918	237.7969
2259.9558	1130.4815	**753.9901**	21	S	6	614.3235	307.6654	205.4460
2361.0035	1181.0054	787.6727	22	T	5	527.2915	264.1494	176.4354
2448.0355	**1224.5214**	816.6834	23	S	4	426.2438	213.6255	142.7528
2535.0676	1268.0374	**845.6940**	24	S	3	339.2118	170.1095	113.7421
2632.1203	**1316.5638**	**878.0450**	25	P	2	252.1798	126.5935	84.7314
			26	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.ISSGQDERHS$_{167}$S$_{167}$PDPYGINDK.F/3

0.9999

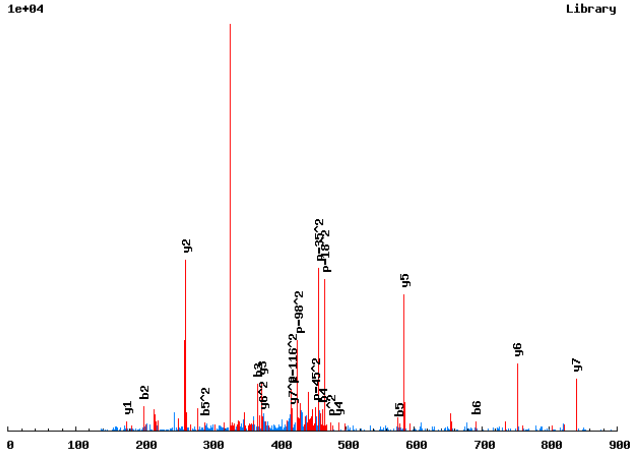


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	20			
201.1234	101.0653	67.7126	2	S	19	2248.8544	**1124.9308**	**750.2896**
288.1554	144.5813	96.7233	3	S	18	2161.8223	**1081.4148**	**721.2790**
345.1769	173.0921	115.7305	4	G	17	2074.7903	**1037.8988**	**692.2683**
473.2354	237.1214	158.4167	5	Q	16	2017.7688	1009.3881	**673.2611**
588.2624	294.6348	196.7590	6	D	15	1889.7103	**945.3588**	**630.5749**
717.3050	359.1561	239.7732	7	E	14	1774.6833	**887.8453**	592.2326
873.4061	437.2067	291.8069	8	R	13	1645.6407	**823.3240**	549.2184
1010.4650	**505.7361**	337.4932	9	H	12	1489.5396	**745.2734**	**497.1847**
1177.4634	**589.2353**	393.1593	10	S[167]	11	1352.4807	676.7440	451.4984
1344.4617	**672.7345**	448.8254	11	S[167]	10	**1185.4823**	593.2448	395.8323
1441.5145	**721.2609**	481.1763	12	P	9	**1018.4840**	**509.7456**	340.1662
1556.5414	**778.7743**	519.5187	13	D	8	921.4312	461.2193	307.8153
1653.5942	827.3007	551.8696	14	P	7	**806.4043**	403.7058	269.4729
1816.6575	**908.8324**	606.2240	15	Y	6	**709.3515**	355.1794	237.1220
1873.6790	**937.3431**	625.2312	16	G	5	**546.2882**	273.6477	182.7676
1986.7630	**993.8852**	**662.9259**	17	I	4	489.2667	245.1370	163.7604
2100.8060	**1050.9066**	700.9402	18	N	3	**376.1827**	188.5950	126.0657
2215.8329	**1108.4201**	**739.2825**	19	D	2	262.1397	131.5735	88.0514
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.ISS$_{167}$PLLSR.M/2

0.9918

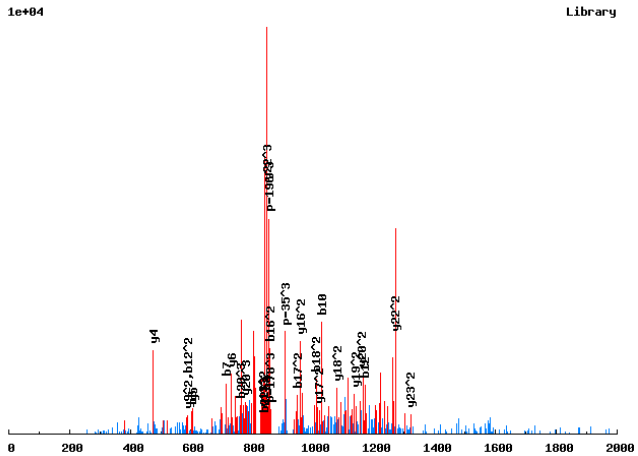


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	8		
201.1234	101.0653	2	S	7	**839.4023**	**420.2048**
368.1217	184.5645	3	S[167]	6	**752.3702**	**376.6888**
465.1745	233.0909	4	P	5	**585.3719**	293.1896
578.2586	**289.6329**	5	L	4	**488.3191**	244.6632
691.3426	346.1749	6	L	3	**375.2350**	188.1212
778.3746	389.6910	7	S	2	**262.1510**	131.5791
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.ITSQGDLEADGSS$_{167}$DEET$_{181}$EQEPHSK$_{136}$.R/3

0.7484

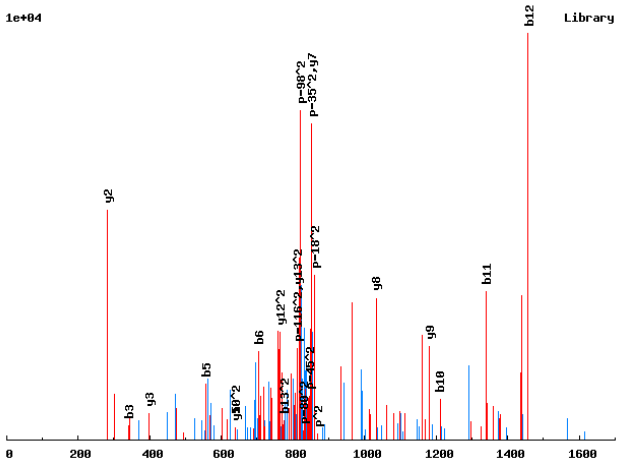


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	I	24			
215.1390	108.0731	72.3845	2	T	23	2643.9698	**1322.4886**	881.9948
302.1710	151.5892	101.3952	3	S	22	2542.9222	**1271.9647**	**848.3122**
430.2296	215.6185	144.0814	4	Q	21	2455.8901	1228.4487	819.3016
487.2511	244.1292	163.0885	5	G	20	2327.8315	**1164.4194**	**776.6154**
602.2780	301.6427	201.4309	6	D	19	2270.8101	**1135.9087**	757.6082
715.3621	358.1847	239.1256	7	L	18	2155.7831	**1078.3952**	719.2659
844.4047	422.7060	282.1397	8	E	17	2042.6991	**1021.8532**	681.5712
915.4418	458.2245	305.8188	9	A	16	1913.6565	**957.3319**	638.5570
1030.4687	515.7380	344.1611	10	D	15	1842.6194	921.8133	614.8780
1087.4902	544.2487	363.1683	11	G	14	1727.5924	864.2999	576.5357
1174.5222	**587.7648**	392.1789	12	S	13	1670.5710	**835.7891**	557.5285
1341.5206	671.2639	447.8450	13	S[167]	12	1583.5390	792.2731	528.5178
1456.5475	728.7774	486.1874	14	D	11	1416.5406	708.7739	472.8517
1585.5901	793.2987	529.2016	15	E	10	1301.5137	651.2605	434.5094
1714.6327	**857.8200**	572.2158	16	E	9	1172.4711	**586.7392**	391.4952
1895.6467	**948.3270**	632.5538	17	T[181]	8	1043.4285	522.2179	348.4810
2024.6893	**1012.8483**	675.5680	18	E	7	862.4145	431.7109	288.1430
2152.7479	1076.8776	718.2541	19	Q	6	**733.3719**	367.1896	245.1288
2281.7905	1141.3989	**761.2683**	20	E	5	**605.3133**	303.1603	202.4426
2378.8432	1189.9253	793.6193	21	P	4	**476.2707**	238.6390	159.4284
2515.9021	1258.4547	**839.3056**	22	H	3	379.2179	190.1126	127.0775
2602.9342	1301.9707	868.3162	23	S	2	242.1590	121.5832	81.3912
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.IVEDTFT$_{181}$PDLEDPR$_{166}$.F/2

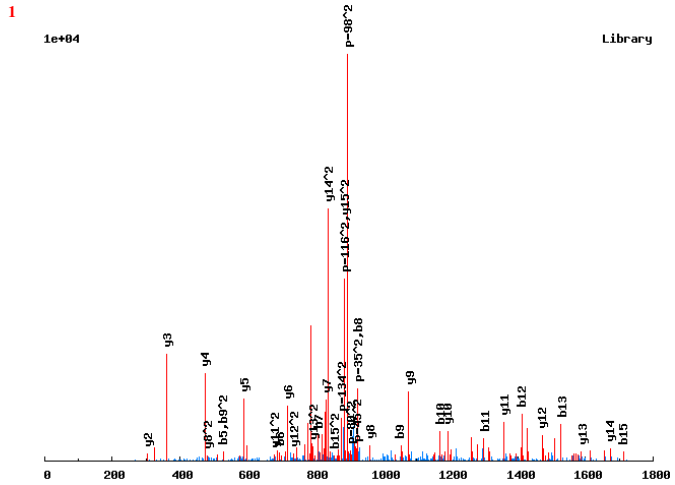
0.6261



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	14		
213.1598	107.0835	2	V	13	1623.6813	**812.3443**
342.2023	171.6048	3	E	12	1524.6129	**762.8101**
457.2293	229.1183	4	D	11	1395.5703	698.2888
558.2770	279.6421	5	T	10	1280.5434	**640.7753**
705.3454	353.1763	6	F	9	**1179.4957**	590.2515
886.3594	443.6833	7	T[181]	8	**1032.4273**	516.7173
983.4121	492.2097	8	P	7	**851.4133**	426.2103
1098.4391	549.7232	9	D	6	754.3605	377.6839
1211.5231	606.2652	10	L	5	**639.3336**	320.1704
1340.5657	670.7865	11	E	4	526.2495	263.6284
1455.5927	728.3000	12	D	3	**397.2069**	199.1071
1552.6454	**776.8264**	13	P	2	**282.1800**	141.5936
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.IVSNNS$_{167}$DDEDEDIGER.S/2

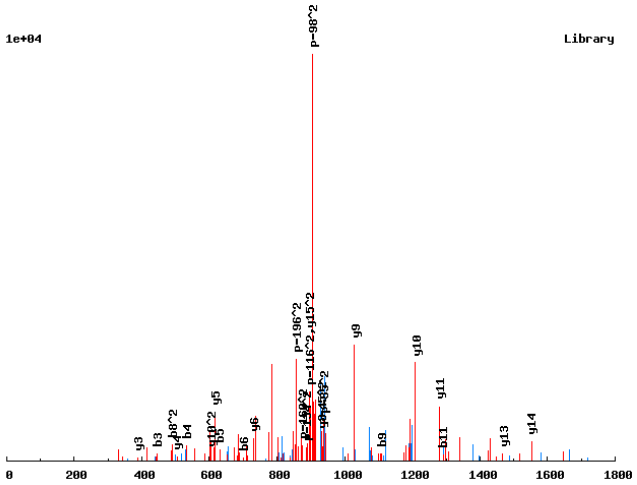


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	16		
213.1598	107.0835	2	V	15	1773.6447	**887.3260**
300.1918	150.5995	3	S	14	**1674.5763**	**837.7918**
414.2347	207.6210	4	N	13	**1587.5442**	**794.2758**
528.2776	264.6425	5	N	12	**1473.5013**	**737.2543**
695.2760	348.1416	6	S[167]	11	**1359.4584**	**680.2328**
810.3029	405.6551	7	D	10	**1192.4600**	596.7336
925.3299	463.1686	8	D	9	**1077.4331**	539.2202
1054.3725	**527.6899**	9	E	8	**962.4061**	**481.7067**
1169.3994	585.2033	10	D	7	**833.3635**	417.1854
1298.4420	649.7246	11	E	6	**718.3366**	359.6719
1413.4689	707.2381	12	D	5	**589.2940**	295.1506
1526.5530	763.7801	13	I	4	**474.2671**	237.6372
1583.5745	792.2909	14	G	3	**361.1830**	181.0951
1712.6171	**856.8122**	15	E	2	**304.1615**	152.5844
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.IY$_{243}$SSVAT$_{181}$PQALNDELK.N/2

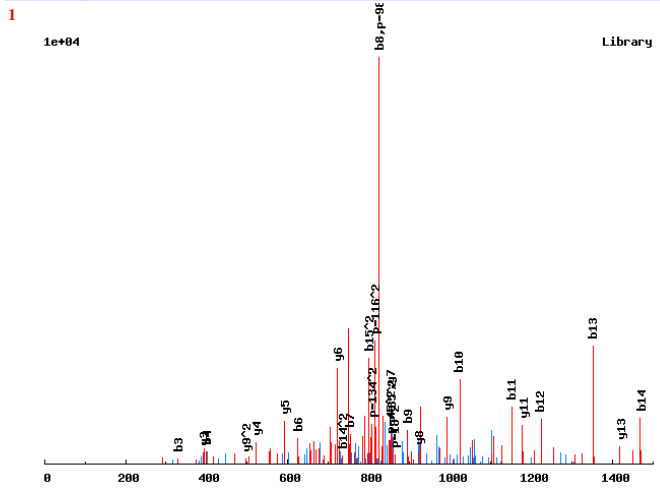
0.9546



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	I	16		
357.1210	179.0641	2	Y[243]	15	1795.7551	**898.3812**
444.1530	222.5802	3	S	14	**1552.7254**	776.8664
531.1851	266.0962	4	S	13	**1465.6934**	733.3503
630.2535	315.6304	5	V	12	1378.6614	689.8343
701.2906	351.1489	6	A	11	**1279.5930**	640.3001
882.3046	441.6559	7	T[181]	10	**1208.5558**	**604.7816**
979.3574	**490.1823**	8	P	9	**1027.5418**	514.2746
1107.4159	554.2116	9	Q	8	**930.4891**	465.7482
1178.4530	589.7302	10	A	7	802.4305	401.7189
1291.5371	646.2722	11	L	6	**731.3934**	366.2003
1405.5800	703.2937	12	N	5	**618.3093**	309.6583
1520.6070	760.8071	13	D	4	**504.2664**	252.6368
1649.6496	825.3284	14	E	3	**389.2394**	195.1234
1762.7336	881.8705	15	L	2	260.1969	130.6021
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

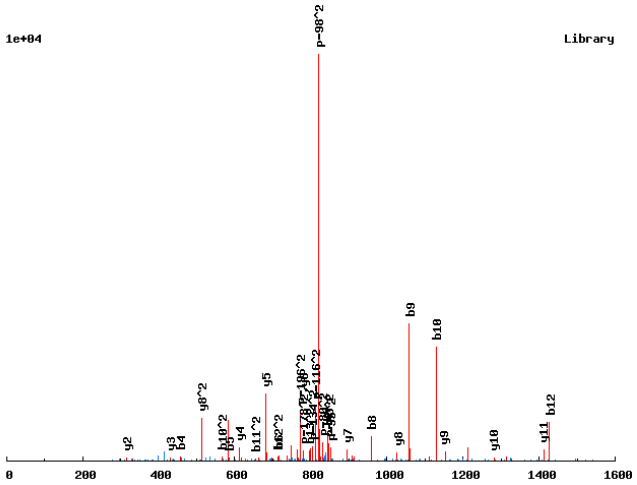
R.KAEAS$_{167}$GEAAEEAEDEE.-/2



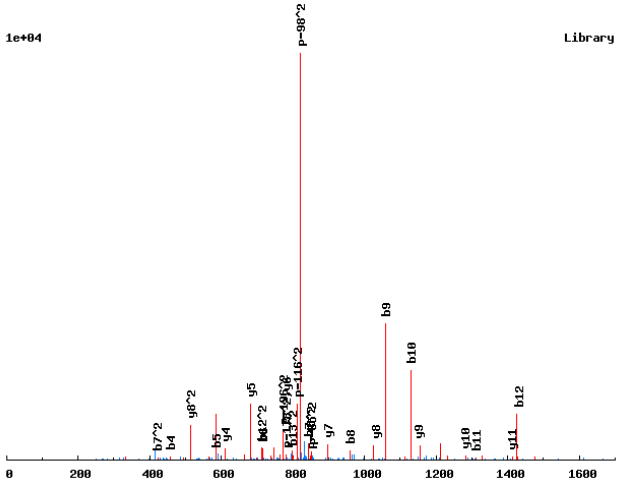
b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	16		
200.1394	100.5733	2	A	15	1616.5483	808.7778
329.1819	165.0946	3	E	14	1545.5112	773.2592
400.2190	200.6132	4	A	13	**1416.4686**	708.7379
567.2174	284.1123	5	S[167]	12	1345.4315	673.2194
624.2389	312.6231	6	G	11	**1178.4331**	589.7202
753.2815	377.1444	7	E	10	1121.4117	561.2095
824.3186	412.6629	8	A	9	**992.3691**	**496.6882**
895.3557	448.1815	9	A	8	**921.3320**	461.1696
1024.3983	512.7028	10	E	7	**850.2948**	425.6511
1153.4409	577.2241	11	E	6	**721.2523**	361.1298
1224.4780	612.7426	12	A	5	**592.2097**	296.6085
1353.5206	677.2639	13	E	4	**521.1726**	261.0899
1468.5475	**734.7774**	14	D	3	**392.1300**	196.5686
1597.5901	**799.2987**	15	E	2	277.1030	139.0551
		16	E	1	148.0604	74.5339

Annotated spectra from Saleem et. al. 2009

K.KAQEEEEDVAT$_{181}$DS$_{167}$E.-/2



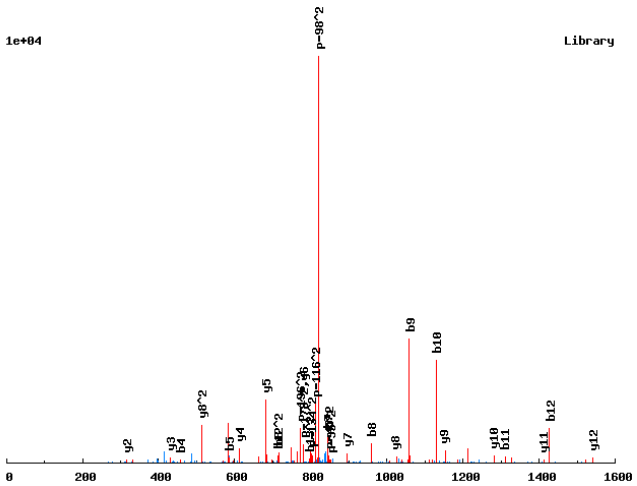
b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	**1412.4026**	706.7049
586.2831	293.6452	5	E	10	**1283.3600**	642.1836
715.3257	358.1665	6	E	9	**1154.3174**	577.6623
844.3683	422.6878	7	E	8	**1025.2748**	**513.1410**
959.3952	480.2013	8	D	7	**896.2322**	448.6197
1058.4636	529.7355	9	V	6	**781.2053**	391.1063
1129.5008	**565.2540**	10	A	5	**682.1369**	341.5721
1310.5148	**655.7610**	11	T[181]	4	**611.0997**	306.0535
1425.5417	**713.2745**	12	D	3	**430.0857**	215.5465
1592.5401	**796.7737**	13	S[167]	2	**315.0588**	158.0330
		14	E	1	148.0604	74.5339



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	**1412.4026**	706.7049
586.2831	293.6452	5	E	10	**1283.3600**	642.1836
715.3257	358.1665	6	E	9	**1154.3174**	577.6623
844.3683	**422.6878**	7	E	8	**1025.2748**	**513.1410**
959.3952	480.2013	8	D	7	**896.2322**	448.6197
1058.4636	529.7355	9	V	6	**781.2053**	391.1063
1129.5008	565.2540	10	A	5	**682.1369**	341.5721
1310.5148	655.7610	11	T[181]	4	**611.0997**	306.0535
1425.5417	**713.2745**	12	D	3	430.0857	215.5465
1592.5401	**796.7737**	13	S[167]	2	315.0588	158.0330
		14	E	1	148.0604	74.5339

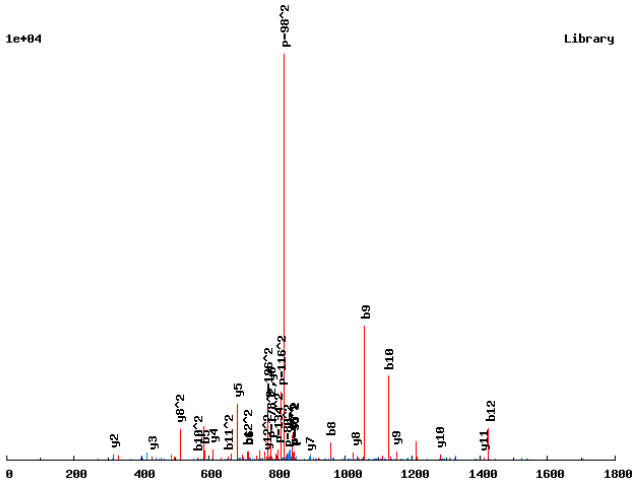
Annotated spectra from Saleem et. al. 2009

1



b1+	b2+	#	AA	#	y1+	y2+
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	1412.4026	706.7049
586.2831	293.6452	5	E	10	1283.3600	642.1836
715.3257	358.1665	6	E	9	1154.3174	577.6623
844.3683	422.6878	7	E	8	1025.2748	513.1410
959.3952	480.2013	8	D	7	896.2322	448.6197
1058.4636	529.7355	9	V	6	781.2053	391.1063
1129.5008	565.2540	10	A	5	682.1369	341.5721
1310.5148	655.7610	11	T[181]	4	611.0997	306.0535
1425.5417	713.2745	12	D	3	430.0857	215.5465
1592.5401	796.7737	13	S[167]	2	315.0588	158.0330
		14	E	1	148.0604	74.5339

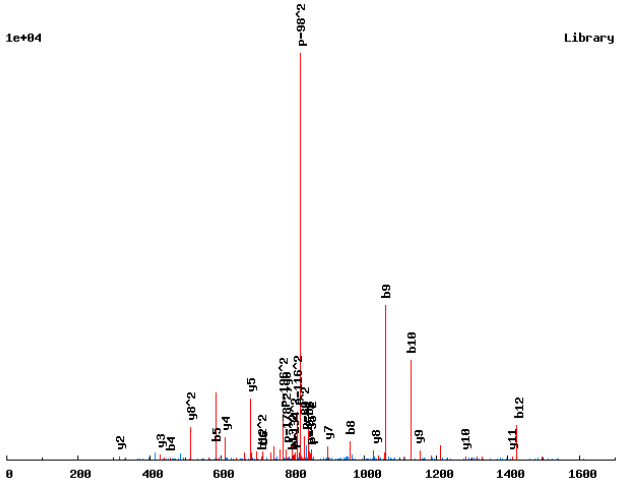
1



b1+	b2+	#	AA	#	y1+	y2+
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	1412.4026	706.7049
586.2831	293.6452	5	E	10	1283.3600	642.1836
715.3257	358.1665	6	E	9	1154.3174	577.6623
844.3683	422.6878	7	E	8	1025.2748	513.1410
959.3952	480.2013	8	D	7	896.2322	448.6197
1058.4636	529.7355	9	V	6	781.2053	391.1063
1129.5008	565.2540	10	A	5	682.1369	341.5721
1310.5148	655.7610	11	T[181]	4	611.0997	306.0535
1425.5417	713.2745	12	D	3	430.0857	215.5465
1592.5401	796.7737	13	S[167]	2	315.0588	158.0330
		14	E	1	148.0604	74.5339

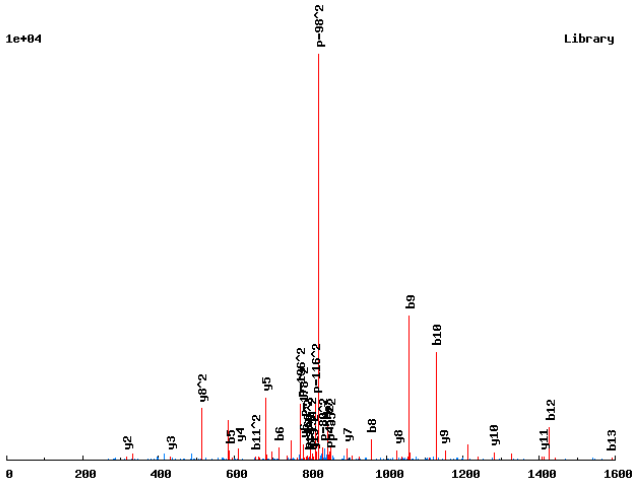
1

b1+	b2+	#	AA	#	y1+	y2+
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	1412.4026	706.7049
586.2831	293.6452	5	E	10	1283.3600	642.1836
715.3257	358.1665	6	E	9	1154.3174	577.6623
844.3683	422.6878	7	E	8	1025.2748	513.1410
959.3952	480.2013	8	D	7	896.2322	448.6197
1058.4636	529.7355	9	V	6	781.2053	391.1063
1129.5008	565.2540	10	A	5	682.1369	341.5721
1310.5148	655.7610	11	T[181]	4	611.0997	306.0535



1425.5417	**713.2745**	**12**	**D**	**3**	**430.0857**	215.5465
1592.5401	**796.7737**	**13**	**S[167]**	**2**	**315.0588**	158.0330
		14	**E**	**1**	148.0604	74.5339

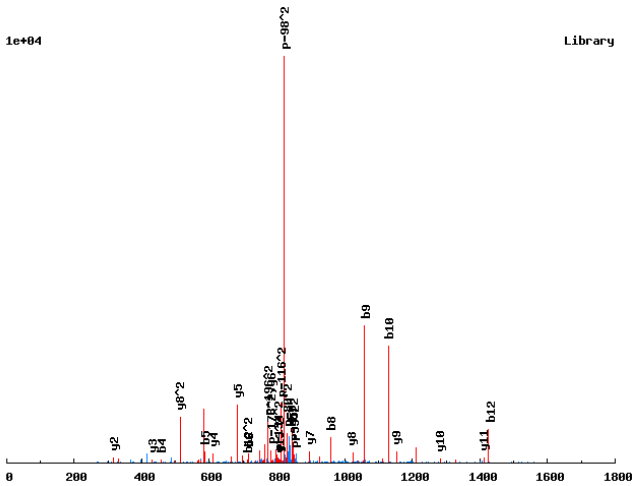
1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	**1**	**K**	**14**		
200.1394	100.5733	**2**	**A**	**13**	1611.4983	**806.2528**
328.1979	164.6026	**3**	**Q**	**12**	1540.4611	770.7342
457.2405	229.1239	**4**	**E**	**11**	**1412.4026**	706.7049
586.2831	293.6452	**5**	**E**	**10**	**1283.3600**	642.1836
715.3257	358.1665	**6**	**E**	**9**	**1154.3174**	577.6623
844.3683	422.6878	**7**	**E**	**8**	**1025.2748**	**513.1410**
959.3952	480.2013	**8**	**D**	**7**	**896.2322**	448.6197
1058.4636	529.7355	**9**	**V**	**6**	**781.2053**	391.1063
1129.5008	565.2540	**10**	**A**	**5**	**682.1369**	341.5721
1310.5148	**655.7610**	**11**	**T[181]**	**4**	**611.0997**	306.0535
1425.5417	713.2745	**12**	**D**	**3**	**430.0857**	215.5465
1592.5401	**796.7737**	**13**	**S[167]**	**2**	**315.0588**	158.0330
		14	**E**	**1**	148.0604	74.5339

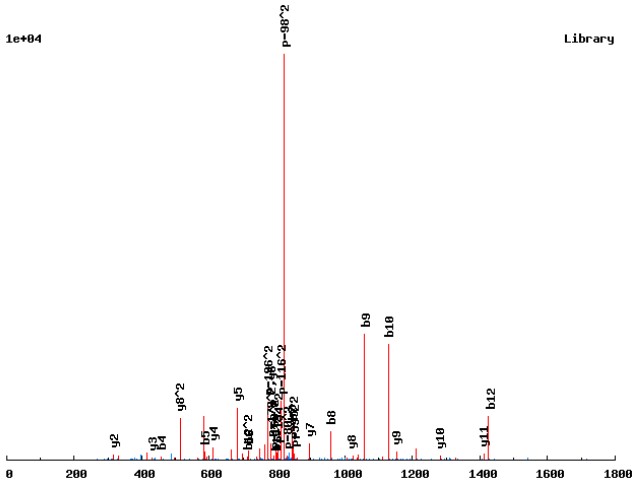
1

b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	**1**	**K**	**14**		
200.1394	100.5733	**2**	**A**	**13**	1611.4983	**806.2528**
328.1979	164.6026	**3**	**Q**	**12**	1540.4611	770.7342
457.2405	229.1239	**4**	**E**	**11**	**1412.4026**	706.7049
586.2831	293.6452	**5**	**E**	**10**	**1283.3600**	642.1836
715.3257	358.1665	**6**	**E**	**9**	**1154.3174**	577.6623
844.3683	422.6878	**7**	**E**	**8**	**1025.2748**	**513.1410**
959.3952	480.2013	**8**	**D**	**7**	**896.2322**	448.6197
1058.4636	529.7355	**9**	**V**	**6**	**781.2053**	391.1063
1129.5008	565.2540	**10**	**A**	**5**	**682.1369**	341.5721
1310.5148	655.7610	**11**	**T[181]**	**4**	**611.0997**	306.0535



	1425.5417	713.2745	12	D	3	430.0857	215.5465
	1592.5401	796.7737	13	S[167]	2	315.0588	158.0330
			14	E	1	148.0604	74.5339

1

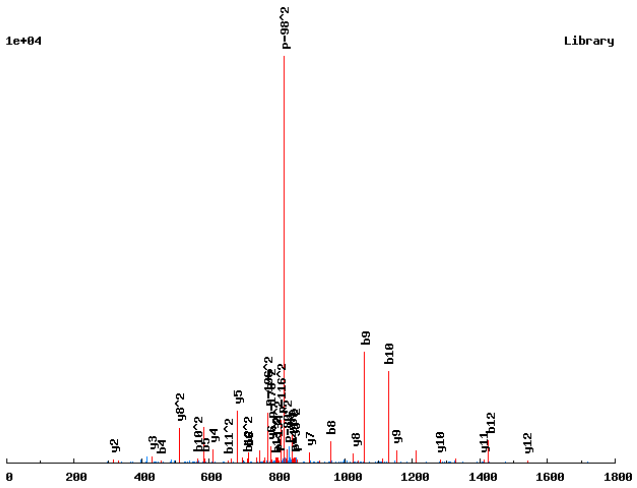


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	1412.4026	706.7049
586.2831	293.6452	5	E	10	1283.3600	642.1836
715.3257	358.1665	6	E	9	1154.3174	577.6623
844.3683	422.6878	7	E	8	1025.2748	513.1410
959.3952	480.2013	8	D	7	896.2322	448.6197
1058.4636	529.7355	9	V	6	781.2053	391.1063
1129.5008	565.2540	10	A	5	682.1369	341.5721
1310.5148	655.7610	11	T[181]	4	611.0997	306.0535
1425.5417	713.2745	12	D	3	430.0857	215.5465
1592.5401	796.7737	13	S[167]	2	315.0588	158.0330
		14	E	1	148.0604	74.5339

1

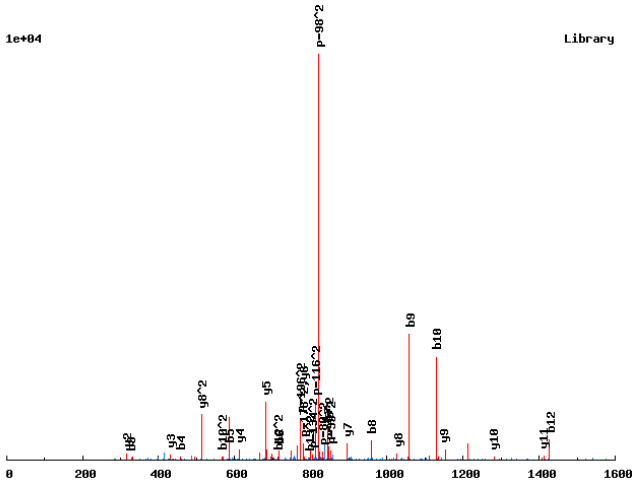
b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	1412.4026	706.7049
586.2831	293.6452	5	E	10	1283.3600	642.1836
715.3257	358.1665	6	E	9	1154.3174	577.6623
844.3683	422.6878	7	E	8	1025.2748	513.1410
959.3952	480.2013	8	D	7	896.2322	448.6197
1058.4636	529.7355	9	V	6	781.2053	391.1063
1129.5008	565.2540	10	A	5	682.1369	341.5721
1310.5148	655.7610	11	T[181]	4	611.0997	306.0535

Annotated spectra from Saleem et. al. 2009



	1425.5417	713.2745	12	D	3	430.0857	215.5465
	1592.5401	796.7737	13	S[167]	2	315.0588	158.0330
			14	E	1	148.0604	74.5339

1

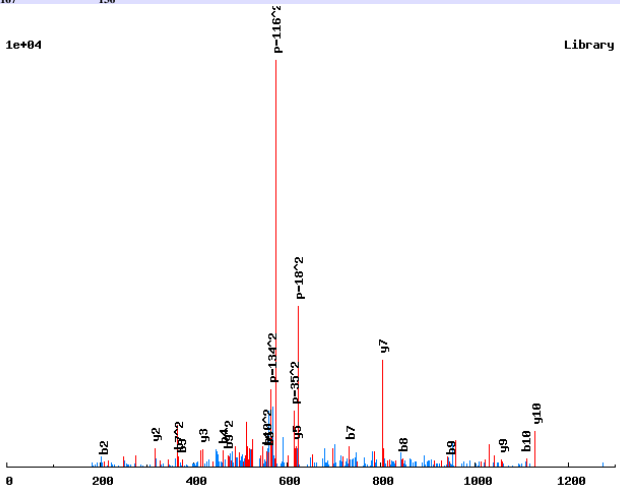


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
200.1394	100.5733	2	A	13	1611.4983	806.2528
328.1979	164.6026	3	Q	12	1540.4611	770.7342
457.2405	229.1239	4	E	11	1412.4026	706.7049
586.2831	293.6452	5	E	10	1283.3600	642.1836
715.3257	358.1665	6	E	9	1154.3174	577.6623
844.3683	422.6878	7	E	8	1025.2748	513.1410
959.3952	480.2013	8	D	7	896.2322	448.6197
1058.4636	529.7355	9	V	6	781.2053	391.1063
1129.5008	565.2540	10	A	5	682.1369	341.5721
1310.5148	655.7610	11	T[181]	4	611.0997	306.0535
1425.5417	713.2745	12	D	3	430.0857	215.5465
1592.5401	796.7737	13	S[167]	2	315.0588	158.0330
		14	E	1	148.0604	74.5339

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$AS$_{167}$SPSSLTYK$_{136}$.E/2

0.8828

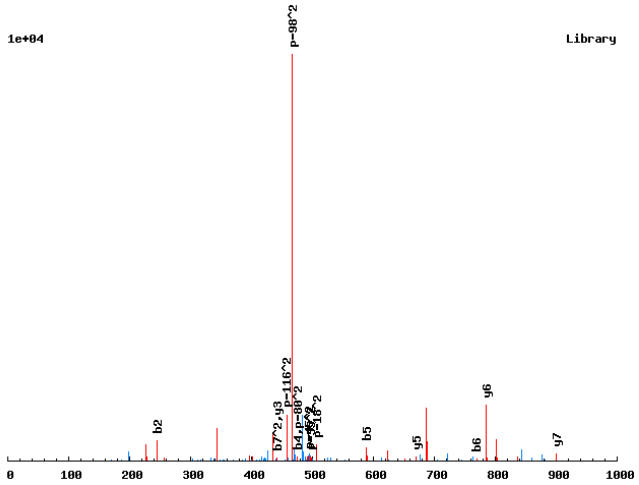


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	11		
208.1535	104.5804	2	A	10	**1128.5064**	564.7568
375.1519	188.0796	3	S[167]	9	**1057.4693**	529.2383
462.1839	231.5956	4	S	8	890.4709	445.7391
559.2367	280.1220	5	P	7	**803.4389**	402.2231
646.2687	323.6380	6	S	6	706.3861	353.6967
733.3008	**367.1540**	7	S	5	**619.3541**	310.1807
846.3848	423.6961	8	L	4	532.3221	266.6647
947.4325	**474.2199**	9	T	3	**419.2380**	210.1226
1110.4958	**555.7516**	10	Y	2	**318.1903**	159.5988
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.KDDDNT$_{181}$LK.R/2

0.6795

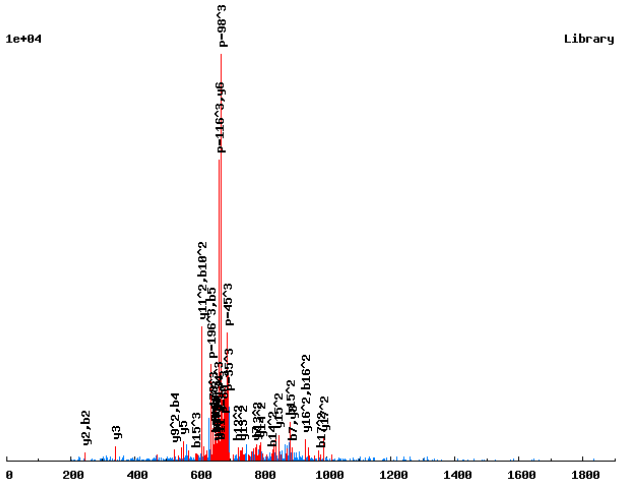


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	8		
244.1292	122.5682	2	D	7	**900.3346**	450.6710
359.1561	180.0817	3	D	6	**785.3077**	393.1575
474.1831	237.5952	4	D	5	**670.2807**	335.6440
588.2260	294.6166	5	N	4	555.2538	278.1305
769.2400	385.1236	6	T[181]	3	**441.2109**	221.1091
882.3241	**441.6657**	7	L	2	260.1969	130.6021
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.KDS$_{167}$NLS$_{167}$SPARDILPLPPK.T/3

0.8516

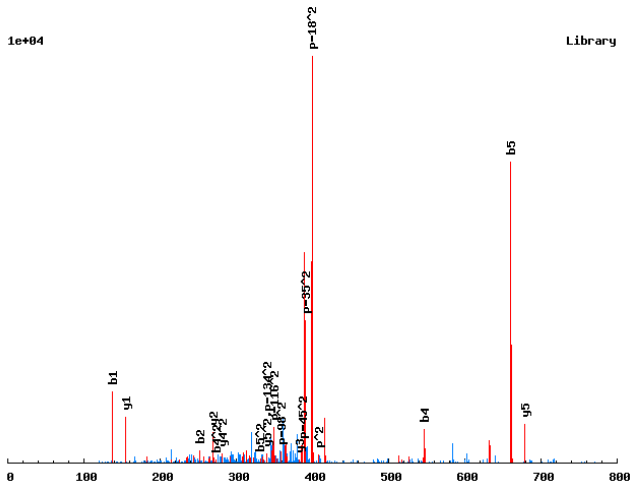


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	18			
244.1292	122.5682	82.0479	2	D	17	1979.9239	**990.4656**	**660.6461**
411.1275	206.0674	137.7140	3	S[167]	16	1864.8969	**932.9521**	622.3038
525.1705	263.0889	175.7283	4	N	15	1697.8986	**849.4529**	566.6377
638.2545	319.6309	213.4230	5	L	14	1583.8556	**792.4315**	528.6234
805.2529	403.1301	269.0892	6	S[167]	13	1470.7716	**735.8894**	490.9287
892.2849	446.6461	298.0998	7	S	12	1303.7732	**652.3902**	435.2626
989.3377	495.1725	330.4507	8	P	11	1216.7412	**608.8742**	406.2519
1060.3748	530.6910	354.1298	9	A	10	1119.6884	560.3479	373.9010
1216.4759	**608.7416**	406.1635	10	R	9	1048.6513	**524.8293**	350.2220
1331.5028	**666.2551**	444.5058	11	D	8	**892.5502**	446.7787	298.1883
1444.5869	**722.7971**	482.2005	12	I	7	**777.5233**	389.2653	259.8459
1557.6710	**779.3391**	519.8952	13	L	6	**664.4392**	332.7232	222.1513
1654.7237	**827.8655**	552.2461	14	P	5	**551.3551**	276.1812	184.4566
1767.8078	**884.4075**	**589.9408**	15	L	4	454.3024	227.6548	152.1056
1864.8605	**932.9339**	622.2917	16	P	3	**341.2183**	171.1128	114.4110
1961.9133	**981.4603**	**654.6426**	17	P	2	**244.1656**	122.5864	82.0600
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$DT$_{181}$INK$_{136}$.I/2

0.5847

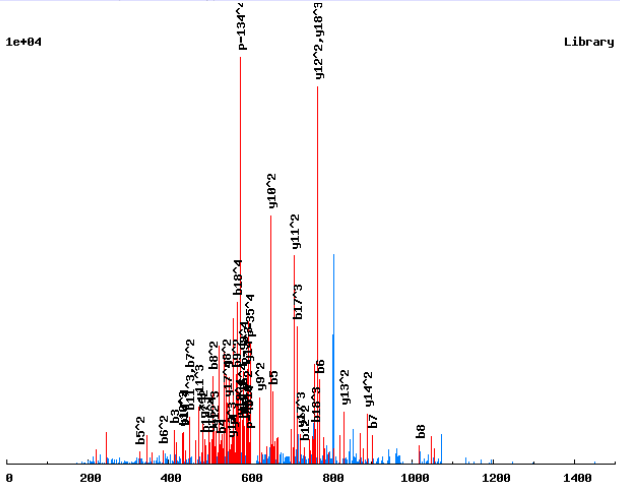


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	6		
252.1434	126.5753	2	D	5	678.2949	339.6511
433.1574	217.0823	3	T[181]	4	563.2680	282.1376
546.2414	273.6244	4	I	3	382.2540	191.6306
660.2844	330.6458	5	N	2	269.1699	135.0886
		6	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

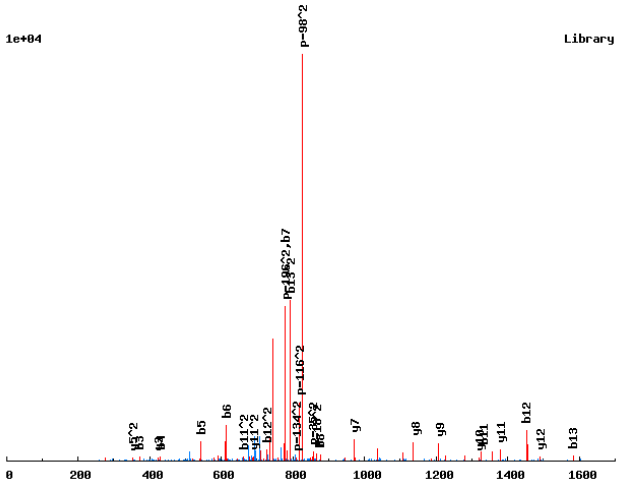
R.K$_{136}$EFDEDEDDGYDS$_{167}$NEHHQK$_{136}$.T/4

0.9086

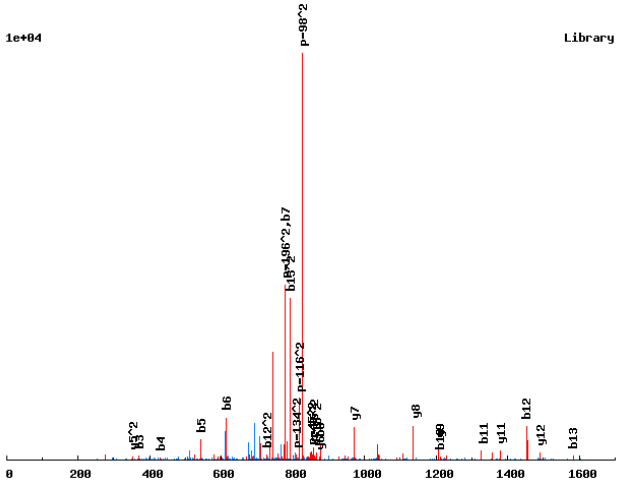


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
137.1164	69.0619	46.3770	35.0346	1	K[136]	19				
266.1590	133.5832	89.3912	67.2952	2	E	18	2296.8030	1148.9051	**766.2725**	**574.9562**
413.2274	207.1174	138.4140	104.0623	3	F	17	2167.7604	1084.3838	**723.2583**	**542.6955**
528.2544	264.6308	176.7563	132.8191	4	D	16	2020.6920	1010.8496	674.2355	**505.9284**
657.2970	**329.1521**	219.7705	165.0797	5	E	15	1905.6650	953.3361	635.8932	477.1717
772.3239	**386.6656**	258.1128	193.8364	6	D	14	1776.6224	**888.8148**	**592.8790**	444.9111
901.3665	**451.1869**	301.1270	226.0971	7	E	13	1661.5955	**831.3014**	**554.5367**	416.1543
1016.3934	**508.7004**	339.4693	254.8538	8	D	12	1532.5529	**766.7801**	**511.5225**	383.8937
1131.4204	**566.2138**	377.8116	283.6106	9	D	11	1417.5259	**709.2666**	**473.1802**	355.1369
1188.4418	**594.7246**	396.8188	297.8659	10	G	10	1302.4990	**651.7531**	**434.8379**	326.3802
1351.5052	676.2562	**451.1732**	338.6318	11	Y	9	1245.4775	**623.2424**	415.8307	312.1248
1466.5321	**733.7697**	**489.5156**	367.3885	12	D	8	1082.4142	**541.7107**	361.4763	271.3590
1633.5305	817.2689	545.1817	409.1381	13	S[167]	7	967.3873	**484.1973**	323.1339	242.6023
1747.5734	874.2903	**583.1960**	**437.6488**	14	N	6	800.3889	400.6981	267.4678	200.8527
1876.6160	938.8116	626.2102	469.9095	15	E	5	686.3460	343.6766	229.4535	172.3420
2013.6749	1007.3411	671.8965	504.1742	16	H	4	**557.3034**	279.1553	186.4393	140.0813
2150.7338	1075.8705	**717.5828**	538.4389	17	H	3	420.2445	210.6259	140.7530	105.8166
2278.7924	1139.8998	**760.2690**	**570.4536**	18	Q	2	283.1856	142.0964	95.0667	71.5519
				19	K[136]	1	155.1270	78.0671	52.3805	39.5372

K.KELGDAYVS$_{167}$S$_{167}$DEEF.-/2

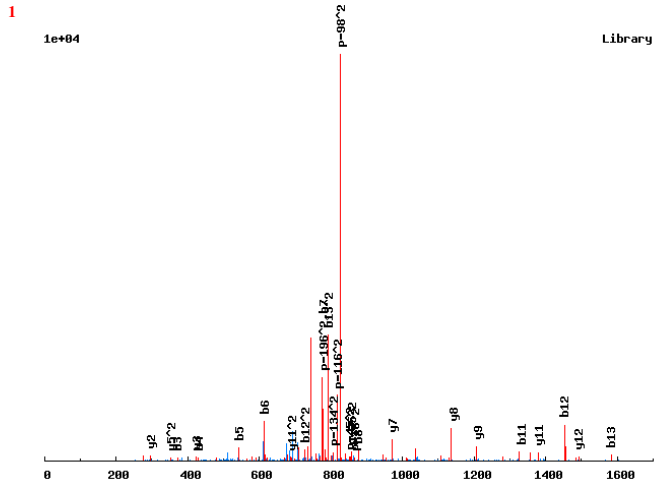


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
258.1448	129.5761	2	E	13	1620.5390	810.7731
371.2289	186.1181	3	L	12	**1491.4964**	746.2518
428.2503	214.6288	4	G	11	**1378.4123**	**689.7098**
543.2773	272.1423	5	D	10	**1321.3909**	661.1991
614.3144	307.6608	6	A	9	**1206.3639**	603.6856
777.3777	389.1925	7	Y	8	**1135.3268**	568.1671
876.4461	438.7267	8	V	7	**972.2635**	486.6354
1043.4445	522.2259	9	S[167]	6	873.1951	437.1012
1210.4429	605.7251	10	S[167]	5	706.1967	**353.6020**
1325.4698	**663.2385**	11	D	4	539.1984	270.1028
1454.5124	**727.7598**	12	E	3	**424.1714**	212.5894
1583.5550	**792.2811**	13	E	2	295.1288	148.0681
		14	F	1	166.0863	83.5468



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
258.1448	129.5761	2	E	13	1620.5390	810.7731
371.2289	186.1181	3	L	12	**1491.4964**	746.2518
428.2503	214.6288	4	G	11	**1378.4123**	689.7098
543.2773	272.1423	5	D	10	1321.3909	661.1991
614.3144	307.6608	6	A	9	**1206.3639**	603.6856
777.3777	389.1925	7	Y	8	**1135.3268**	568.1671
876.4461	438.7267	8	V	7	**972.2635**	486.6354
1043.4445	522.2259	9	S[167]	6	**873.1951**	437.1012
1210.4429	605.7251	10	S[167]	5	706.1967	**353.6020**
1325.4698	663.2385	11	D	4	539.1984	270.1028
1454.5124	**727.7598**	12	E	3	424.1714	212.5894
1583.5550	**792.2811**	13	E	2	295.1288	148.0681
		14	F	1	166.0863	83.5468

Annotated spectra from Saleem et. al. 2009

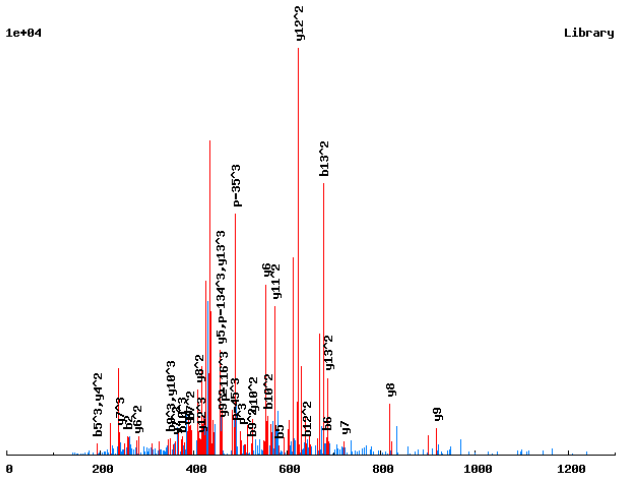


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	14		
258.1448	129.5761	2	E	13	1620.5390	810.7731
371.2289	186.1181	3	L	12	**1491.4964**	746.2518
428.2503	214.6288	4	G	11	**1378.4123**	**689.7098**
543.2773	272.1423	5	D	10	1321.3909	661.1991
614.3144	307.6608	6	A	9	**1206.3639**	603.6856
777.3777	389.1925	7	Y	8	**1135.3268**	568.1671
876.4461	438.7267	8	V	7	**972.2635**	486.6354
1043.4445	522.2259	9	S[167]	6	873.1951	437.1012
1210.4429	605.7251	10	S[167]	5	706.1967	**353.6020**
1325.4698	663.2385	11	D	4	539.1984	270.1028
1454.5124	**727.7598**	12	E	3	**424.1714**	212.5894
1583.5550	**792.2811**	13	E	2	**295.1288**	148.0681
		14	F	1	166.0863	83.5468

Annotated spectra from Saleem et. al. 2009

K.KEPVKTPS$_{167}$PAPAAK.I/3

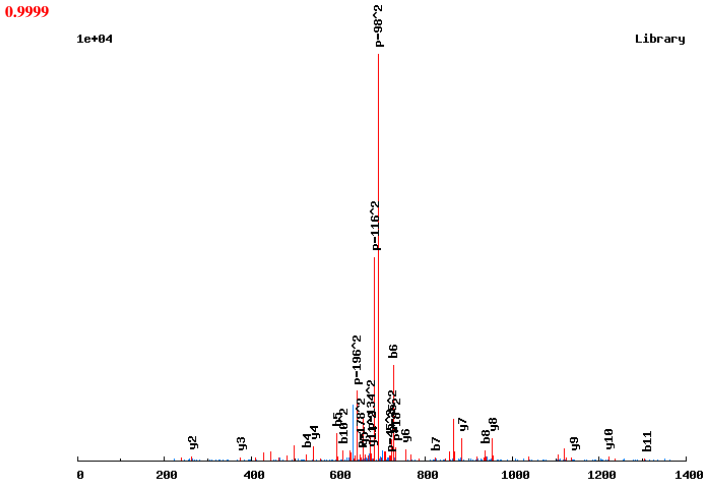
0.9235



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	14			
258.1448	129.5761	86.7198	2	E	13	1372.6872	**686.8472**	**458.2339**
355.1976	178.1024	119.0707	3	P	12	1243.6446	**622.3259**	**415.2197**
454.2660	227.6366	152.0935	4	V	11	1146.5918	**573.7996**	382.8688
582.3610	291.6841	**194.7918**	5	K	10	1047.5234	**524.2653**	**349.8460**
683.4086	342.2080	228.4744	6	T	9	**919.4285**	**460.2179**	307.1477
780.4614	**390.7343**	260.8253	7	P	8	**818.3808**	**409.6940**	273.4651
947.4598	474.2335	316.4914	8	S[167]	7	**721.3280**	**361.1676**	**241.1142**
1044.5125	**522.7599**	**348.8424**	9	P	6	**554.3297**	**277.6685**	185.4481
1115.5496	**558.2785**	**372.5214**	10	A	5	**457.2769**	229.1421	153.0971
1212.6024	606.8048	404.8723	11	P	4	**386.2398**	**193.6235**	129.4181
1283.6395	**642.3234**	428.5514	12	A	3	289.1870	145.0971	97.0672
1354.6766	**677.8419**	452.2304	13	A	2	218.1499	109.5786	73.3882
			14	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KEST$_{181}$AEPDS$_{167}$LSR.D/2

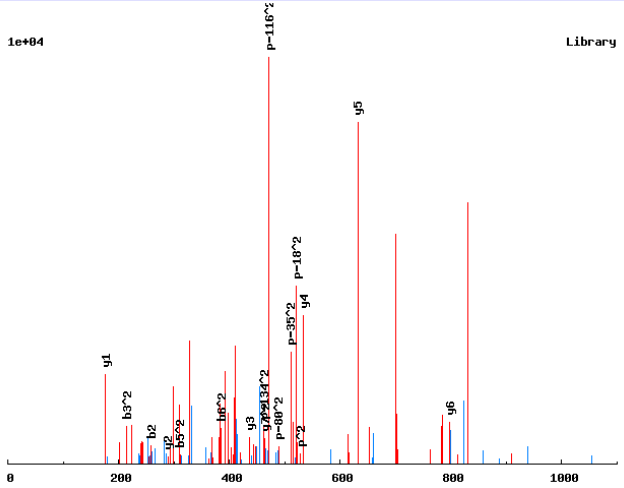


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
258.1448	129.5761	2	E	11	1351.4814	**676.2444**
345.1769	173.0921	3	S	10	**1222.4388**	611.7231
526.1909	263.5991	4	T[181]	9	**1135.4068**	568.2070
597.2280	299.1176	5	A	8	**954.3928**	477.7000
726.2706	363.6389	6	E	7	**883.3557**	442.1815
823.3233	412.1653	7	P	6	**754.3131**	377.6602
938.3503	469.6788	8	D	5	**657.2603**	329.1338
1105.3486	553.1780	9	S[167]	4	**542.2334**	271.6203
1218.4327	**609.7200**	10	L	3	**375.2350**	188.1212
1305.4647	653.2360	11	S	2	**262.1510**	131.5791
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.KES$_{167}$VPFLR.N/2

0.7355

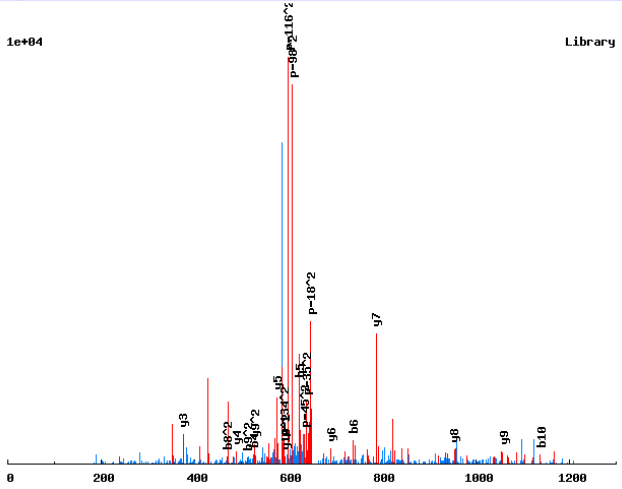


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	8		
258.1448	129.5761	2	E	7	927.4335	**464.2204**
425.1432	**213.0752**	3	S[167]	6	**798.3910**	399.6991
524.2116	262.6094	4	V	5	**631.3926**	316.1999
621.2644	**311.1358**	5	P	4	**532.3242**	266.6657
768.3328	**384.6700**	6	F	3	**435.2714**	218.1393
881.4168	441.2121	7	L	2	**288.2030**	144.6051
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.KETS$_{167}$PDSISIR.S/2

0.98

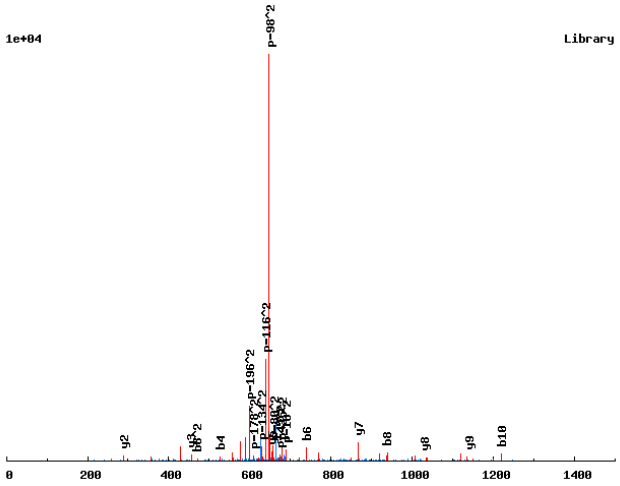


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
258.1448	129.5761	2	E	10	1184.5195	**592.7634**
359.1925	180.0999	3	T	9	**1055.4769**	**528.2421**
526.1909	263.5991	4	S[167]	8	**954.4292**	477.7182
623.2436	312.1255	5	P	7	**787.4308**	394.2191
738.2706	369.6389	6	D	6	**690.3781**	345.6927
825.3026	413.1549	7	S	5	**575.3511**	288.1792
938.3867	**469.6970**	8	I	4	**488.3191**	244.6632
1025.4187	**513.2130**	9	S	3	**375.2350**	188.1212
1138.5028	569.7550	10	I	2	288.2030	144.6051
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.KETS$_{167}$PDSIS$_{167}$IR.S/2

0.9979

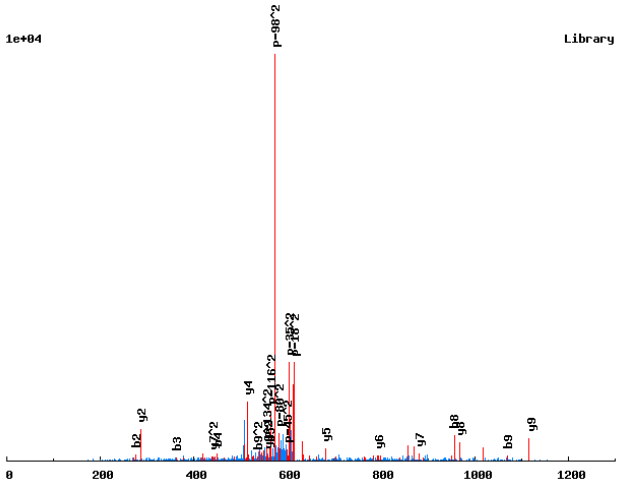


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
258.1448	129.5761	2	E	10	1264.4858	632.7465
359.1925	180.0999	3	T	9	**1135.4432**	568.2252
526.1909	263.5991	4	S[167]	8	**1034.3955**	517.7014
623.2436	312.1255	5	P	7	**867.3972**	434.2022
738.2706	369.6389	6	D	6	770.3444	385.6758
825.3026	413.1549	7	S	5	**655.3175**	328.1624
938.3867	**469.6970**	8	I	4	568.2854	284.6464
1105.3850	553.1962	9	S[167]	3	**455.2014**	228.1043
1218.4691	609.7382	10	I	2	**288.2030**	144.6051
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.KFSSLS$_{167}$PELR.N/2

0.9976

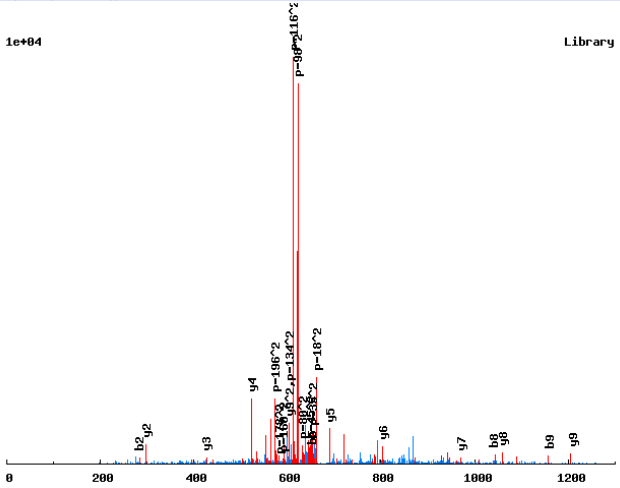


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	10		
276.1706	138.5890	2	F	9	**1115.5133**	**558.2603**
363.2027	182.1050	3	S	8	**968.4448**	484.7261
450.2347	225.6210	4	S	7	**881.4128**	**441.2100**
563.3188	282.1630	5	L	6	**794.3808**	397.6940
730.3171	365.6622	6	S[167]	5	**681.2967**	341.1520
827.3699	414.1886	7	P	4	**514.2984**	257.6528
956.4125	478.7099	8	E	3	417.2456	209.1264
1069.4965	**535.2519**	9	L	2	**288.2030**	144.6051
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$FSS$_{167}$LS$_{167}$PELR$_{166}$.N/2

0.9908

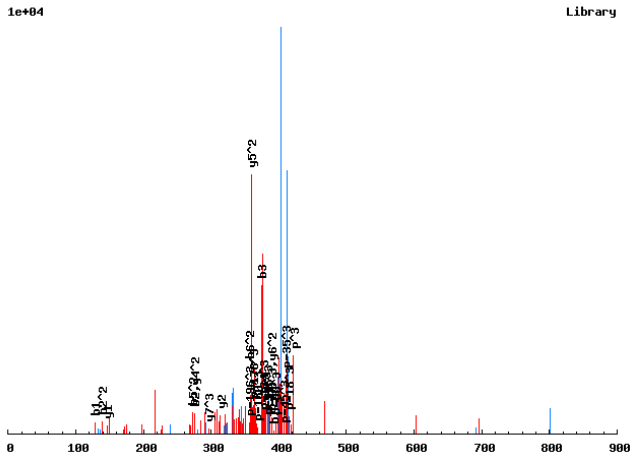


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	10		
284.1848	142.5961	2	F	9	**1205.4879**	**603.2476**
371.2169	186.1121	3	S	8	**1058.4194**	529.7134
538.2152	269.6113	4	S[167]	7	**971.3874**	486.1973
651.2993	326.1533	5	L	6	**804.3891**	402.6982
818.2977	409.6525	6	S[167]	5	**691.3050**	346.1561
915.3504	458.1789	7	P	4	**524.3066**	262.6570
1044.3930	522.7001	8	E	3	**427.2539**	214.1306
1157.4771	579.2422	9	L	2	**298.2113**	149.6093
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.KFVLGS$_{167}$AS$_{167}$S$_{167}$K.S/3

0.6142

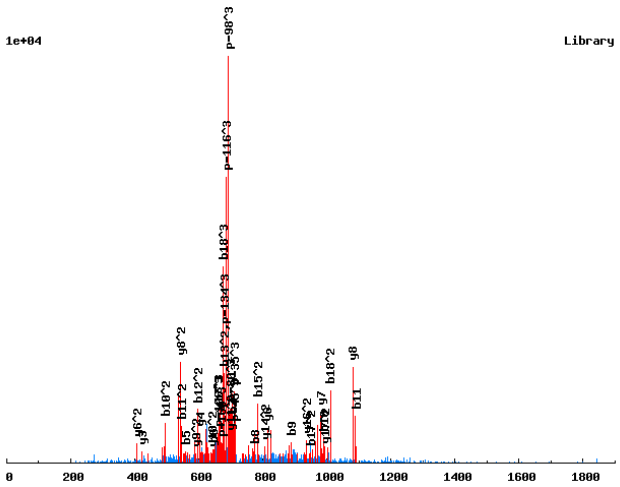


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	**1**	**K**	**10**			
276.1706	**138.5890**	92.7284	**2**	**F**	**9**	1135.3873	568.1973	**379.1340**
375.2391	188.1232	125.7512	**3**	**V**	**8**	988.3189	494.6631	330.1112
488.3231	244.6652	163.4459	**4**	**L**	**7**	889.2505	445.1289	**297.0884**
545.3446	**273.1759**	182.4530	**5**	**G**	**6**	776.1665	**388.5869**	259.3937
712.3429	**356.6751**	238.1192	**6**	**S[167]**	**5**	719.1450	**360.0761**	240.3865
783.3801	**392.1937**	261.7982	**7**	**A**	**4**	552.1466	**276.5770**	184.7204
950.3784	475.6928	317.4643	**8**	**S[167]**	**3**	481.1095	241.0584	161.0414
1117.3768	559.1920	373.1304	**9**	**S[167]**	**2**	**314.1112**	157.5592	105.3752
			10	**K**	**1**	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KGDEESGADTVTS$_{167}$PIT$_{181}$FEK.K/3

0.8346

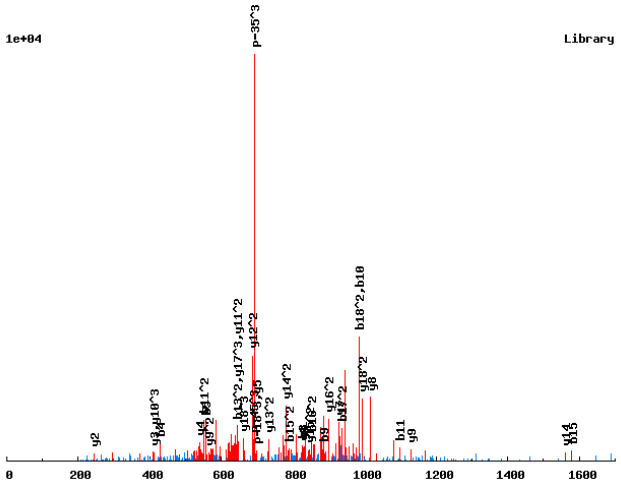


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	19			
186.1237	93.5655	62.7128	2	G	18	2042.7879	1021.8976	681.6008
301.1506	151.0790	101.0551	3	D	17	1985.7664	**993.3869**	**662.5937**
430.1932	215.6003	144.0693	4	E	16	1870.7395	**935.8734**	624.2513
559.2358	280.1216	187.0835	5	E	15	1741.6969	871.3521	581.2372
646.2678	323.6376	216.0941	6	S	14	1612.6543	**806.8308**	538.2230
703.2893	352.1483	235.1013	7	G	13	1525.6223	763.3148	509.2123
774.3264	387.6669	258.7803	8	A	12	1468.6008	734.8040	490.2051
889.3534	445.1803	297.1226	9	D	11	1397.5637	**699.2855**	466.5261
990.4010	**495.7042**	330.8052	10	T	10	1282.5368	**641.7720**	428.1838
1089.4695	**545.2384**	363.8280	11	V	9	1181.4891	**591.2482**	394.5012
1190.5171	**595.7622**	397.5106	12	T	8	**1082.4207**	**541.7140**	361.4784
1357.5155	**679.2614**	453.1767	13	S[167]	7	**981.3730**	491.1901	327.7959
1454.5683	727.7878	485.5276	14	P	6	**814.3746**	**407.6910**	272.1297
1567.6523	**784.3298**	523.2223	15	I	5	717.3219	359.1646	239.7788
1748.6663	874.8368	583.5603	16	T[181]	4	**604.2378**	302.6225	202.0841
1895.7347	**948.3710**	632.5831	17	F	3	**423.2238**	212.1155	141.7461
2024.7773	**1012.8923**	**675.5973**	18	E	2	276.1554	138.5813	92.7233
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KGEIKPSSGTNSTEC$_{160}$QS$_{167}$PK.S/3

0.998

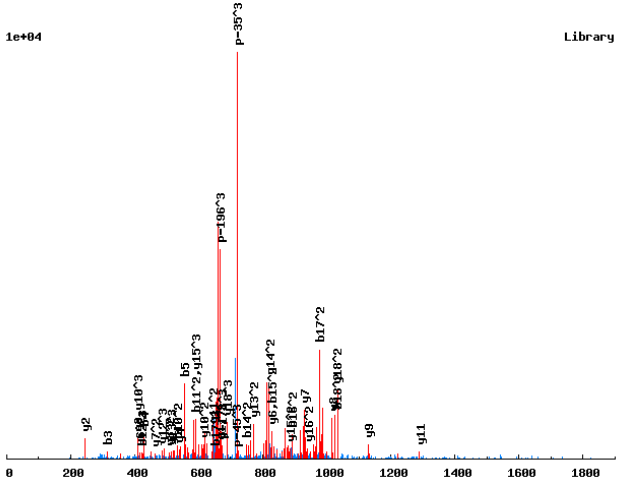


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	19			
186.1237	93.5655	62.7128	2	G	18	1986.8474	**993.9273**	**662.9540**
315.1663	158.0868	105.7269	3	E	17	1929.8260	965.4166	**643.9468**
428.2503	214.6288	143.4216	4	I	16	1800.7834	**900.8953**	600.9326
556.3453	278.6763	186.1200	5	K	15	1687.6993	**844.3533**	563.2380
653.3981	327.2027	218.4709	6	P	14	**1559.6043**	**780.3058**	520.5396
740.4301	370.7187	247.4816	7	S	13	1462.5516	**731.7794**	488.1887
827.4621	414.2347	276.4922	8	S	12	1375.5196	**688.2634**	459.1780
884.4836	442.7454	295.4994	9	G	11	1288.4875	**644.7474**	430.1674
985.5313	493.2693	329.1819	10	T	10	1231.4661	616.2367	**411.1602**
1099.5742	**550.2907**	367.1963	11	N	9	**1130.4184**	**565.7128**	377.4776
1186.6062	593.8068	396.2069	12	S	8	**1016.3755**	508.6914	339.4633
1287.6539	**644.3306**	429.8895	13	T	7	**929.3434**	465.1754	310.4527
1416.6965	708.8519	472.9037	14	E	6	**828.2957**	414.6515	276.7701
1576.7272	**788.8672**	526.2472	15	C[160]	5	**699.2532**	350.1302	233.7559
1704.7857	**852.8965**	568.9334	16	Q	4	**539.2225**	270.1149	180.4124
1871.7841	**936.3957**	624.5996	17	S[167]	3	**411.1639**	206.0856	137.7262
1968.8369	**984.9221**	656.9505	18	P	2	**244.1656**	122.5864	82.0600
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KGEIKPSS$_{167}$GTNSTEC$_{160}$QS$_{167}$PK.S/3

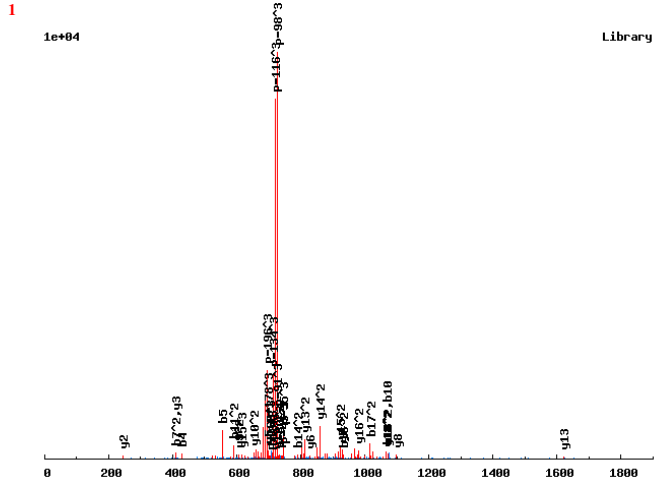
0.9945



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	19			
186.1237	93.5655	62.7128	2	G	18	2066.8137	**1033.9105**	**689.6094**
315.1663	158.0868	105.7269	3	E	17	2009.7923	1005.3998	**670.6023**
428.2503	214.6288	143.4216	4	I	16	1880.7497	**940.8785**	627.5881
556.3453	278.6763	186.1200	5	K	15	1767.6656	**884.3365**	**589.8934**
653.3981	327.2027	218.4709	6	P	14	1639.5707	**820.2890**	547.1951
740.4301	370.7187	247.4816	7	S	13	1542.5179	**771.7626**	**514.8442**
907.4285	454.2179	303.1477	8	S[167]	12	1455.4859	728.2466	**485.8335**
964.4499	482.7286	322.1548	9	G	11	**1288.4875**	**644.7474**	430.1674
1065.4976	**533.2524**	355.8374	10	T	10	1231.4661	**616.2367**	**411.1602**
1179.5405	**590.2739**	393.8517	11	N	9	**1130.4184**	565.7128	377.4776
1266.5726	633.7899	**422.8624**	12	S	8	**1016.3755**	**508.6914**	339.4633
1367.6202	684.3138	456.5449	13	T	7	**929.3434**	**465.1754**	310.4527
1496.6628	**748.8351**	499.5591	14	E	6	**828.2957**	**414.6515**	276.7701
1656.6935	**828.8504**	552.9027	15	C[160]	5	699.2532	350.1302	233.7559
1784.7521	**892.8797**	595.5889	16	Q	4	**539.2225**	270.1149	180.4124
1951.7504	**976.3789**	**651.2550**	17	S[167]	3	**411.1639**	206.0856	137.7262
2048.8032	**1024.9052**	683.6059	18	P	2	**244.1656**	122.5864	82.0600
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KGEIKPS$_{167}$SGTNS$_{167}$TEC$_{160}$QS$_{167}$PK.S/3

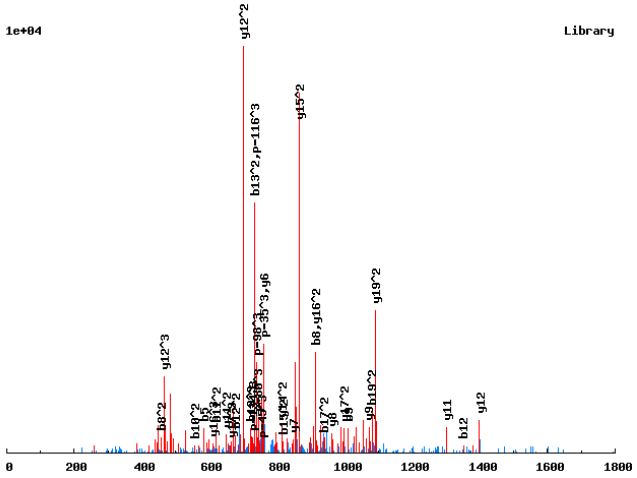


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	19			
186.1237	93.5655	62.7128	2	G	18	2146.7801	**1073.8937**	716.2649
315.1663	158.0868	105.7269	3	E	17	2089.7586	1045.3829	697.2577
428.2503	214.6288	143.4216	4	I	16	1960.7160	**980.8617**	654.2435
556.3453	278.6763	186.1200	5	K	15	1847.6320	**924.3196**	**616.5488**
653.3981	327.2027	218.4709	6	P	14	1719.5370	**860.2721**	573.8505
820.3964	**410.7019**	274.1370	7	S[167]	13	**1622.4842**	**811.7458**	541.4996
907.4285	454.2179	303.1477	8	S	12	1455.4859	**728.2466**	485.8335
964.4499	482.7286	322.1548	9	G	11	1368.4539	684.7306	456.8228
1065.4976	533.2524	355.8374	10	T	10	1311.4324	**656.2198**	437.8157
1179.5405	**590.2739**	393.8517	11	N	9	1210.3847	**605.6960**	404.1331
1346.5389	673.7731	449.5178	12	S[167]	8	**1096.3418**	548.6745	366.1188
1447.5866	724.2969	483.2004	13	T	7	**929.3434**	465.1754	310.4527
1576.6292	**788.8182**	526.2146	14	E	6	**828.2957**	414.6515	276.7701
1736.6598	868.8335	579.5581	15	C[160]	5	**699.2532**	350.1302	233.7559
1864.7184	**932.8628**	622.2443	16	Q	4	539.2225	270.1149	180.4124
2031.7168	**1016.3620**	677.9104	17	S[167]	3	**411.1639**	206.0856	137.7262
2128.7695	**1064.8884**	**710.2614**	18	P	2	**244.1656**	122.5864	82.0600
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KGES$_{167}$TPPHPPENLSSSFYEK.R/3

0.9996

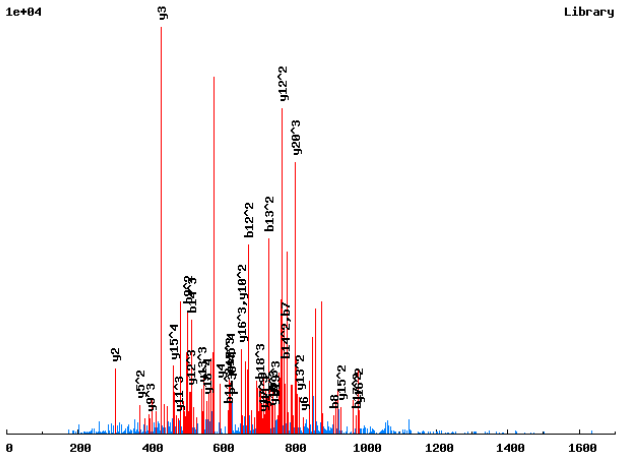


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	20			
186.1237	93.5655	62.7128	2	G	19	2182.9328	**1091.9701**	728.3158
315.1663	158.0868	105.7269	3	E	18	2125.9114	1063.4593	709.3086
482.1647	241.5860	161.3931	4	S[167]	17	1996.8688	**998.9380**	**666.2945**
583.2123	292.1098	195.0756	5	T	16	1829.8704	**915.4389**	**610.6283**
680.2651	340.6362	227.4266	6	P	15	1728.8228	**864.9150**	576.9458
777.3179	389.1626	259.7775	7	P	14	1631.7700	**816.3886**	544.5949
914.3768	**457.6920**	305.4638	8	H	13	1534.7172	767.8623	512.2439
1011.4295	506.2184	337.8147	9	P	12	**1397.6583**	**699.3328**	**466.5576**
1108.4823	**554.7448**	370.1656	10	P	11	**1300.6056**	**650.8064**	434.2067
1237.5249	**619.2661**	413.1798	11	E	10	1203.5528	602.2800	401.8558
1351.5678	**676.2875**	451.1941	12	N	9	**1074.5102**	537.7587	358.8416
1464.6519	**732.8296**	488.8888	13	L	8	**960.4673**	480.7373	320.8273
1551.6839	776.3456	517.8995	14	S	7	**847.3832**	424.1953	283.1326
1638.7159	**819.8616**	546.9102	15	S	6	**760.3512**	380.6792	254.1219
1725.7480	863.3776	575.9208	16	S	5	673.3192	337.1632	225.1112
1872.8164	**936.9118**	624.9436	17	F	4	586.2871	293.6472	196.1006
2035.8797	1018.4435	679.2981	18	Y	3	439.2187	220.1130	147.0778
2164.9223	**1082.9648**	**722.3123**	19	E	2	276.1554	138.5813	92.7233
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KGEST$_{181}$PPHPPENLSS$_{167}$SFYEKR.K/4

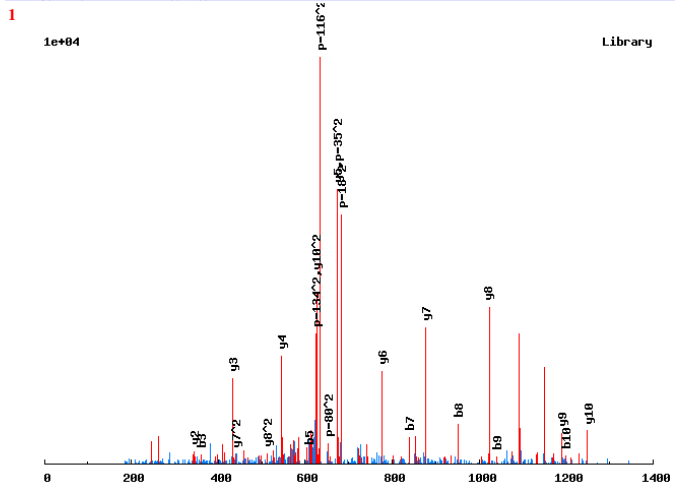
0.9187



b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
129.1022	65.0548	43.7056	33.0310	1	K	21				
186.1237	93.5655	62.7128	47.2864	2	G	20	2419.0003	1210.0038	**807.0049**	605.5055
315.1663	158.0868	105.7269	79.5470	3	E	19	2361.9788	1181.4931	787.9978	591.2502
402.1983	201.6028	134.7376	101.3050	4	S	18	2232.9362	1116.9718	**744.9836**	**558.9895**
583.2123	292.1098	195.0756	146.5585	5	T[181]	17	2145.9042	1073.4557	**715.9729**	537.2315
680.2651	340.6362	227.4266	170.8217	6	P	16	1964.8902	**982.9487**	**655.6349**	491.9780
777.3179	389.1626	259.7775	195.0849	7	P	15	1867.8374	**934.4224**	**623.2840**	**467.7148**
914.3768	457.6920	305.4638	229.3497	8	H	14	1770.7847	885.8960	590.9331	443.4516
1011.4295	**506.2184**	337.8147	253.6128	9	P	13	1633.7258	**817.3665**	**545.2468**	409.1869
1108.4823	554.7448	370.1656	277.8760	10	P	12	1536.6730	**768.8401**	**512.8959**	384.9237
1237.5249	**619.2661**	413.1798	310.1367	11	E	11	1439.6202	**720.3138**	**480.5449**	360.6605
1351.5678	**676.2875**	451.1941	338.6474	12	N	10	1310.5777	**655.7925**	437.5307	328.3999
1464.6519	**732.8296**	488.8888	366.9184	13	L	9	1196.5347	598.7710	**399.5164**	299.8891
1551.6839	**776.3456**	**517.8995**	388.6764	14	S	8	1083.4507	542.2290	361.8217	271.6181
1718.6823	859.8448	573.5656	430.4260	15	S[167]	7	996.4186	498.7130	332.8111	249.8601
1805.7143	903.3608	602.5763	452.1840	16	S	6	**829.4203**	415.2138	277.1449	208.1105
1952.7827	**976.8950**	651.5991	488.9511	17	F	5	**742.3882**	**371.6978**	248.1343	186.3525
2115.8460	1058.4267	**705.9535**	529.7170	18	Y	4	**595.3198**	298.1636	199.1115	149.5854
2244.8886	1122.9479	**748.9677**	561.9776	19	E	3	**432.2565**	216.6319	144.7570	108.8196
2372.9836	1186.9954	791.6660	594.0014	20	K	2	**303.2139**	152.1106	101.7428	76.5589
				21	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$GS$_{167}$FTTELSC$_{160}$R$_{166}$.N/2

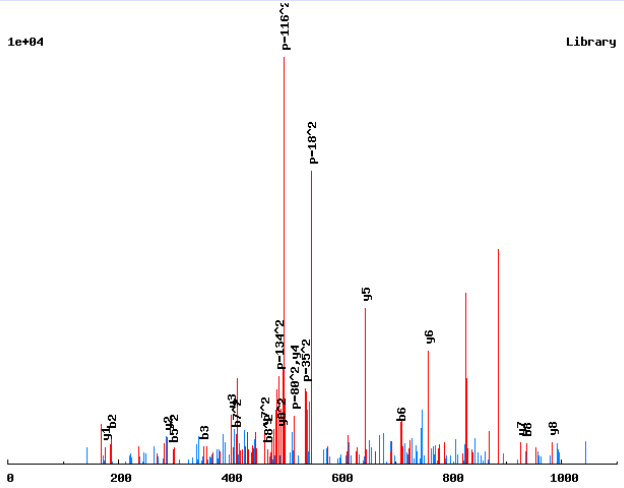


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	11		
194.1379	97.5726	2	G	10	1247.5001	624.2537
361.1363	181.0718	3	S[167]	9	1190.4787	595.7430
508.2047	254.6060	4	F	8	1023.4803	512.2438
609.2523	305.1298	5	T	7	876.4119	438.7096
710.3000	355.6537	6	T	6	775.3642	388.1858
839.3426	420.1750	7	E	5	674.3166	337.6619
952.4267	476.7170	8	L	4	545.2740	273.1406
1039.4587	520.2330	9	S	3	432.1899	216.5986
1199.4894	600.2483	10	C[160]	2	345.1579	173.0826
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.KGS$_{167}$LENNIR.E/2

0.9909

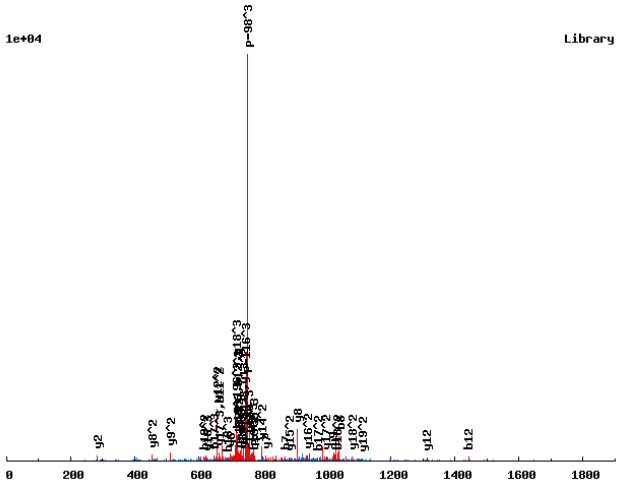


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	9		
186.1237	93.5655	2	G	8	**982.4353**	**491.7213**
353.1221	177.0647	3	S[167]	7	**925.4139**	**463.2106**
466.2061	233.6067	4	L	6	**758.4155**	379.7114
595.2487	**298.1280**	5	E	5	**645.3315**	323.1694
709.2916	355.1495	6	N	4	**516.2889**	258.6481
823.3346	**412.1709**	7	N	3	**402.2459**	201.6266
936.4186	**468.7130**	8	I	2	**288.2030**	144.6051
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$GS$_{167}$NNS$_{167}$NR$_{166}$PPVIPLGTQEPR$_{166}$.S/3

0.682

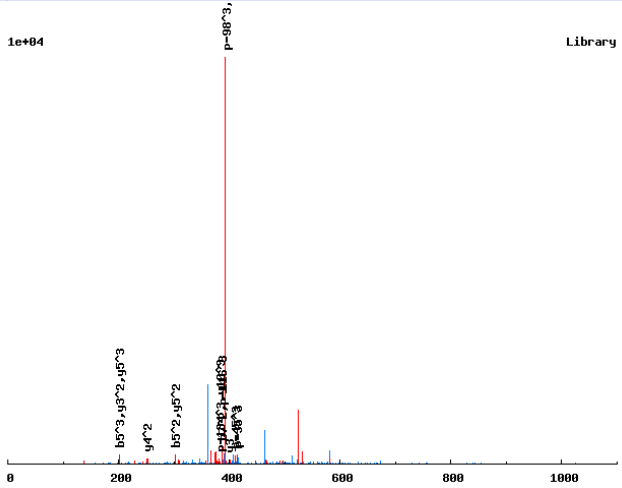


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	20			
194.1379	97.5726	65.3842	2	G	19	2213.0014	**1107.0044**	**738.3387**
361.1363	181.0718	121.0503	3	S[167]	18	2155.9800	**1078.4936**	**719.3315**
475.1792	238.0932	159.0646	4	N	17	1988.9816	**994.9945**	**663.6654**
589.2221	295.1147	197.0789	5	N	16	1874.9387	**937.9730**	**625.6511**
756.2205	378.6139	252.7450	6	S[167]	15	1760.8958	**880.9515**	587.6368
870.2634	435.6353	290.7593	7	N	14	1593.8974	**797.4523**	531.9707
1036.3728	518.6900	346.1291	8	R[166]	13	1479.8545	**740.4309**	493.9563
1133.4255	567.2164	378.4800	9	P	12	**1313.7451**	**657.3762**	438.5866
1230.4783	**615.7428**	410.8310	10	P	11	1216.6923	608.8498	406.2356
1329.5467	**665.2770**	443.8538	11	V	10	1119.6396	560.3234	373.8847
1442.6308	**721.8190**	481.5484	12	I	9	**1020.5712**	**510.7892**	340.8619
1539.6835	**770.3454**	513.8994	13	P	8	**907.4871**	**454.2472**	303.1672
1652.7676	826.8874	551.5941	14	L	7	**810.4343**	405.7208	270.8163
1709.7891	855.3982	570.6012	15	G	6	**697.3503**	349.1788	233.1216
1810.8367	905.9220	604.2838	16	T	5	640.3288	320.6681	214.1145
1938.8953	**969.9513**	**646.9700**	17	Q	4	539.2811	270.1442	180.4319
2067.9379	**1034.4726**	**689.9842**	18	E	3	411.2226	206.1149	137.7457
2164.9907	1082.9990	**722.3351**	19	P	2	**282.1800**	141.5936	94.7315
			20	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.KHGS$_{167}$IAVTQPR.R/3

0.7306

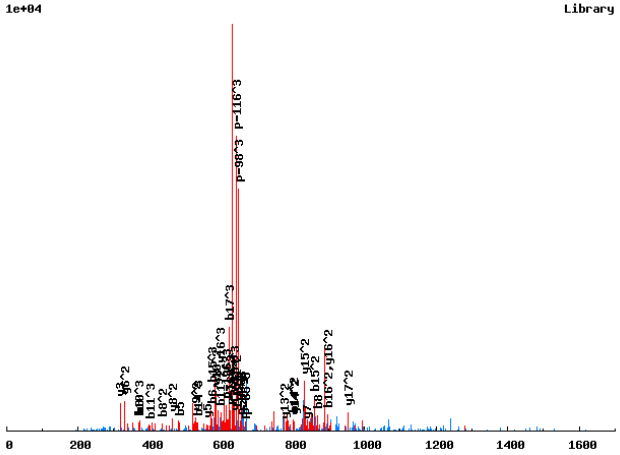


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	11			
266.1611	133.5842	89.3919	2	H	10	1145.5463	573.2768	**382.5203**
323.1826	162.0949	108.3991	3	G	9	1008.4874	504.7473	336.8340
490.1810	245.5941	164.0652	4	S[167]	8	951.4659	476.2366	317.8268
603.2650	**302.1362**	**201.7599**	5	I	7	784.4676	**392.7374**	262.1607
674.3021	337.6547	225.4389	6	A	6	671.3835	336.1954	224.4660
773.3706	**387.1889**	258.4617	7	V	5	600.3464	**300.6768**	**200.7870**
874.4182	437.7128	292.1443	8	T	4	501.2780	**251.1426**	167.7642
1002.4768	501.7420	334.8305	9	Q	3	**400.2303**	**200.6188**	134.0816
1099.5296	550.2684	367.1814	10	P	2	272.1717	136.5895	91.3954
			11	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.KIEGGST$_{181}$DIEST$_{181}$PKDAAR.S/3

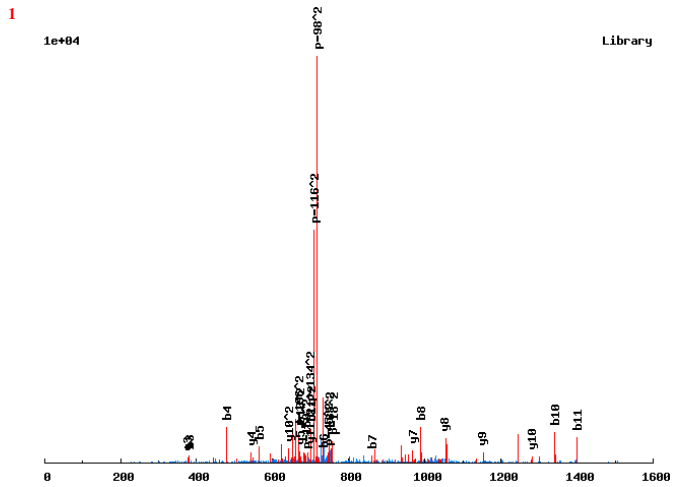
0.715



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	18			
242.1863	121.5968	81.4003	2	I	17	1906.7831	**953.8952**	**636.2659**
371.2289	186.1181	124.4145	3	E	16	1793.6990	**897.3531**	**598.5712**
428.2503	214.6288	143.4216	4	G	15	1664.6564	**832.8319**	555.5570
485.2718	243.1395	162.4288	5	G	14	1607.6350	**804.3211**	536.5498
572.3038	286.6556	191.4395	6	S	13	1550.6135	**775.8104**	517.5427
753.3179	377.1626	251.7775	7	T[181]	12	1463.5815	732.2944	488.5320
868.3448	**434.6760**	290.1198	8	D	11	1282.5675	**641.7874**	428.1940
981.4289	491.2181	327.8145	9	I	10	1167.5405	**584.2739**	389.8517
1110.4714	555.7394	**370.8287**	10	E	9	1054.4565	**527.7319**	352.1570
1197.5035	**599.2554**	**399.8393**	11	S	8	925.4139	**463.2106**	309.1428
1378.5175	689.7624	460.1773	12	T[181]	7	**838.3818**	419.6946	280.1321
1475.5702	738.2888	492.5283	13	P	6	**657.3678**	**329.1876**	219.7941
1603.6652	**802.3362**	**535.2266**	14	K	5	**560.3151**	280.6612	187.4432
1718.6921	**859.8497**	**573.5689**	15	D	4	432.2201	216.6137	144.7449
1789.7293	**895.3683**	597.2479	16	A	3	**317.1932**	159.1002	106.4026
1860.7664	930.8868	**620.9270**	17	A	2	246.1561	123.5817	82.7235
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$IEVSS$_{167}$QES$_{167}$WGN.-/2

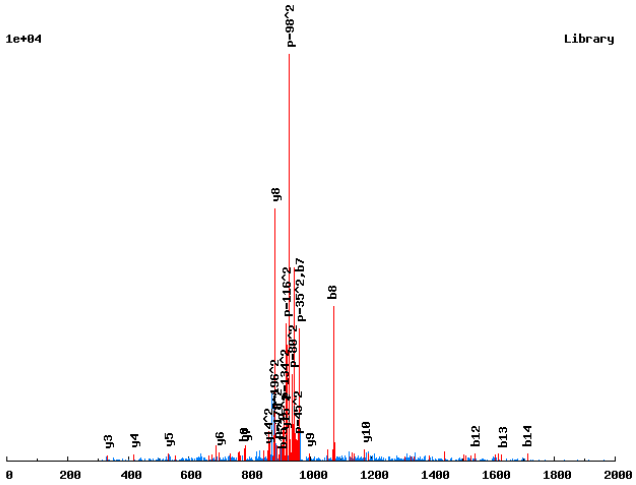


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	12		
250.2005	125.6039	2	I	11	1395.4865	**698.2469**
379.2431	190.1252	3	E	10	**1282.4025**	**641.7049**
478.3115	239.6594	4	V	9	**1153.3599**	577.1836
565.3435	283.1754	5	S	8	**1054.2915**	527.6494
732.3419	366.6746	6	S[167]	7	**967.2594**	484.1334
860.4005	430.7039	7	Q	6	800.2611	400.6342
989.4431	495.2252	8	E	5	**672.2025**	336.6049
1156.4414	578.7244	9	S[167]	4	**543.1599**	272.0836
1342.5207	**671.7640**	10	W	3	**376.1615**	188.5844
1399.5422	**700.2747**	11	G	2	190.0822	95.5448
		12	N	1	133.0608	67.0340

Annotated spectra from Saleem et. al. 2009

R.KINT$_{181}$NET$_{181}$LPSS$_{167}$LSSPK.L/2

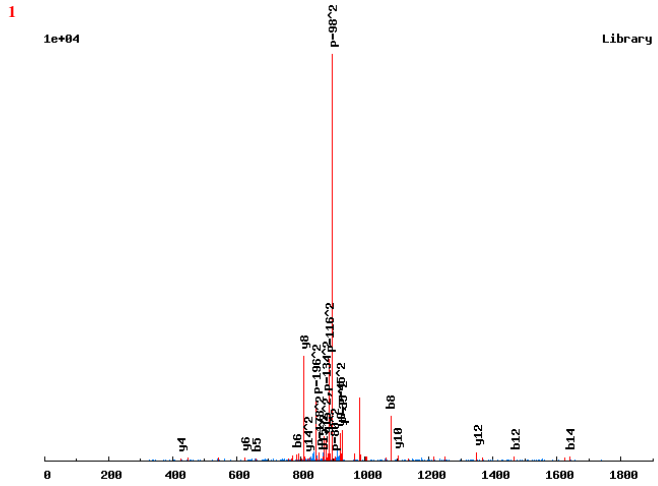
0.999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	16		
242.1863	121.5968	2	I	15	1827.7214	**914.3644**
356.2292	178.6183	3	N	14	1714.6374	**857.8223**
537.2432	269.1253	4	T[181]	13	1600.5944	800.8009
651.2862	326.1467	5	N	12	1419.5804	710.2939
780.3288	390.6680	6	E	11	1305.5375	653.2724
961.3428	481.1750	7	T[181]	10	**1176.4949**	588.7511
1074.4268	537.7171	8	L	9	**995.4809**	498.2441
1171.4796	586.2434	9	P	8	**882.3968**	441.7021
1258.5116	629.7595	10	S	7	**785.3441**	393.1757
1425.5100	713.2586	11	S[167]	6	**698.3120**	349.6597
1538.5940	769.8007	12	L	5	**531.3137**	266.1605
1625.6261	813.3167	13	S	4	**418.2296**	209.6184
1712.6581	856.8327	14	S	3	**331.1976**	166.1024
1809.7109	**905.3591**	15	P	2	244.1656	122.5864
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$INT$_{181}$NET$_{181}$LPSSLSSPK$_{136}$.L/2

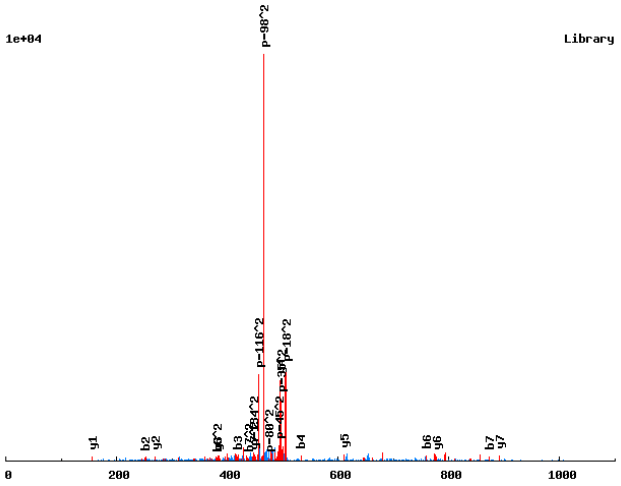


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	16		
250.2005	125.6039	2	I	15	1755.7693	**878.3883**
364.2434	182.6254	3	N	14	1642.6852	**821.8463**
545.2574	273.1324	4	T[181]	13	1528.6423	764.8248
659.3004	330.1538	5	N	12	**1347.6283**	674.3178
788.3430	394.6751	6	E	11	1233.5854	617.2963
969.3570	485.1821	7	T[181]	10	**1104.5428**	552.7750
1082.4410	541.7242	8	L	9	**923.5288**	462.2680
1179.4938	590.2505	9	P	8	**810.4447**	405.7260
1266.5258	633.7666	10	S	7	713.3919	357.1996
1353.5579	677.2826	11	S	6	**626.3599**	313.6836
1466.6419	733.8246	12	L	5	539.3279	270.1676
1553.6739	777.3406	13	S	4	**426.2438**	213.6255
1640.7060	820.8566	14	S	3	339.2118	170.1095
1737.7587	**869.3830**	15	P	2	252.1798	126.5935
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$IS$_{167}$DNLLK$_{136}$.K/2

0.898

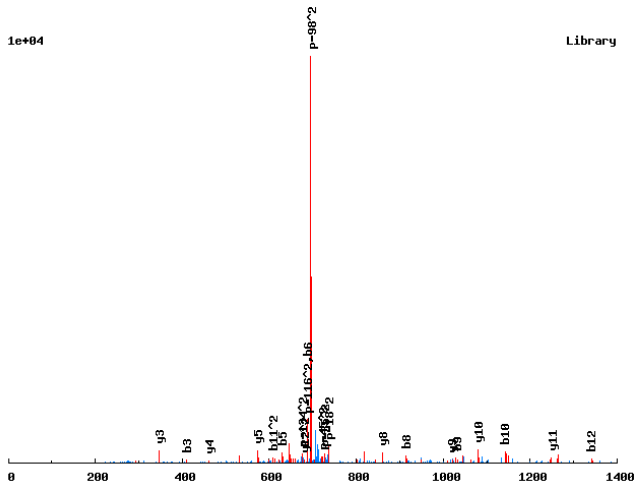


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	8		
250.2005	125.6039	2	I	7	890.4474	445.7273
417.1989	209.1031	3	S[167]	6	777.3634	389.1853
532.2258	266.6165	4	D	5	610.3650	305.6861
646.2687	323.6380	5	N	4	495.3380	248.1727
759.3528	380.1800	6	L	3	381.2951	191.1512
872.4368	436.7221	7	L	2	268.2111	134.6092
		8	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.KIS$_{167}$GYGNDLDAQK.N/2

0.9997

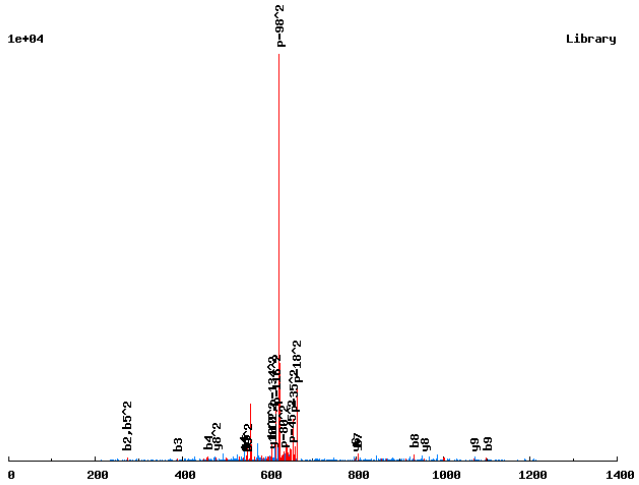


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	13		
242.1863	121.5968	2	I	12	1360.5780	**680.7927**
409.1847	205.0960	3	S[167]	11	**1247.4940**	624.2506
466.2061	233.6067	4	G	10	**1080.4956**	540.7514
629.2695	315.1384	5	Y	9	**1023.4742**	512.2407
686.2909	343.6491	6	G	8	**860.4108**	430.7091
800.3338	400.6706	7	N	7	803.3894	402.1983
915.3608	458.1840	8	D	6	689.3464	345.1769
1028.4448	514.7261	9	L	5	**574.3195**	287.6634
1143.4718	572.2395	10	D	4	**461.2354**	231.1214
1214.5089	**607.7581**	11	A	3	**346.2085**	173.6079
1342.5675	671.7874	12	Q	2	275.1714	138.0893
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$K$_{136}$DASQEES$_{167}$LL.-/2

0.6931

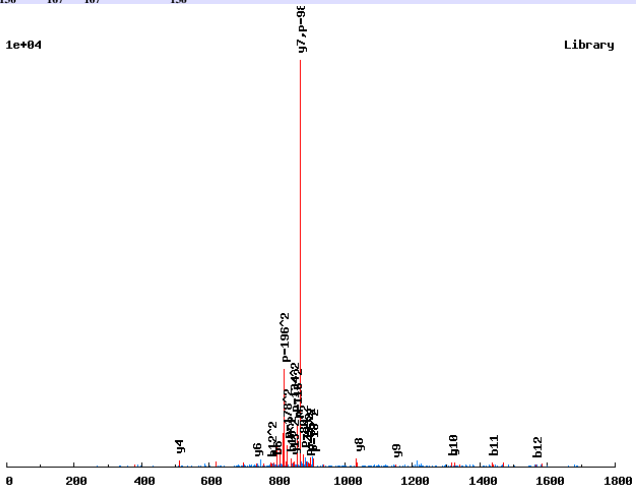


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	11		
273.2256	137.1164	2	K[136]	10	1207.5333	**604.2703**
388.2525	194.6299	3	D	9	**1071.4242**	536.2157
459.2896	230.1485	4	A	8	**956.3972**	**478.7023**
546.3217	**273.6645**	5	S	7	885.3601	443.1837
674.3803	337.6938	6	Q	6	**798.3281**	399.6677
803.4228	402.2151	7	E	5	670.2695	335.6384
932.4654	466.7364	8	E	4	**541.2269**	271.1171
1099.4638	**550.2355**	9	S[167]	3	412.1843	206.5958
1212.5479	**606.7776**	10	L	2	245.1860	123.0966
		11	I	1	132.1019	66.5546

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$K$_{136}$DES$_{167}$DS$_{167}$ENDIEIK$_{136}$.G/2

0.955

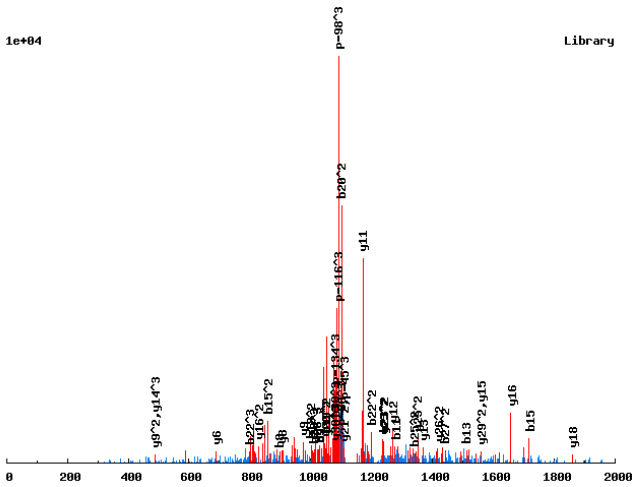


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	14		
273.2256	137.1164	2	K[136]	13	1697.6525	**849.3299**
388.2525	194.6299	3	D	12	1561.5434	781.2753
517.2951	259.1512	4	E	11	1446.5164	723.7619
684.2935	342.6504	5	S[167]	10	**1317.4738**	659.2406
799.3204	400.1639	6	D	9	**1150.4755**	575.7414
966.3188	483.6630	7	S[167]	8	**1035.4485**	518.2279
1095.3614	548.1843	8	E	7	**868.4502**	434.7287
1209.4043	605.2058	9	N	6	**739.4076**	370.2074
1324.4312	662.7193	10	D	5	625.3646	313.1860
1437.5153	719.2613	11	I	4	**510.3377**	255.6725
1566.5579	**783.7826**	12	E	3	397.2536	199.1305
1679.6420	**840.3246**	13	I	2	268.2111	134.6092
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.KKGS$_{167}$GEDDEEETETTPTSTVPVATIAQETLK.V/3

0.9994

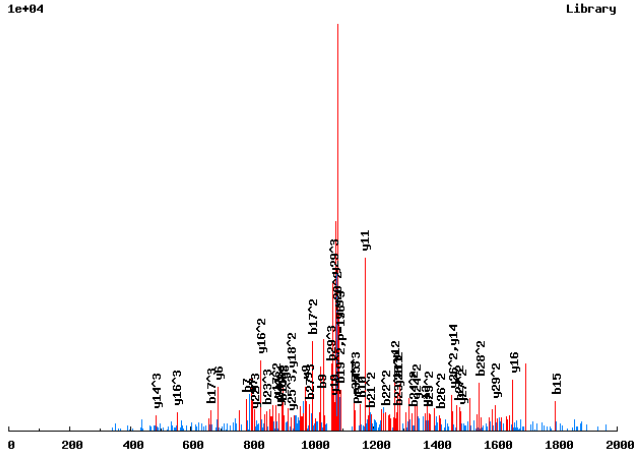


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	31			
257.1972	129.1022	86.4039	2	K	30	3243.4675	1622.2374	**1081.8274**
314.2187	157.6130	105.4111	3	G	29	3115.3726	**1558.1899**	1039.1290
481.2170	241.1122	161.0772	4	S[167]	28	3058.3511	1529.6792	**1020.1219**
538.2385	269.6229	180.0843	5	G	27	2891.3527	1446.1800	964.4558
667.2811	334.1442	223.0985	6	E	26	2834.3313	**1417.6693**	945.4486
782.3080	391.6576	261.4409	7	D	25	2705.2887	**1353.1480**	902.4344
897.3350	449.1711	299.7832	8	D	24	2590.2617	1295.6345	864.0921
1026.3775	513.6924	342.7974	9	E	23	2475.2348	**1238.1210**	825.7498
1155.4201	578.2137	385.8116	10	E	22	2346.1922	1173.5997	782.7356
1284.4627	642.7350	428.8258	11	E	21	2217.1496	**1109.0784**	739.7214
1385.5104	693.2588	462.5083	12	T	20	2088.1070	**1044.5572**	696.7072
1514.5530	757.7801	505.5225	13	E	19	1987.0593	994.0333	663.0246
1615.6007	808.3040	539.2051	14	T	18	**1858.0168**	929.5120	620.0104
1716.6484	**858.8278**	572.8876	15	T	17	1756.9691	878.9882	586.3279
1813.7011	907.3542	605.2386	16	P	16	**1655.9214**	**828.4643**	552.6453
1914.7488	957.8780	638.9211	17	T	15	**1558.8686**	779.9380	520.2944
2001.7808	**1001.3941**	667.9318	18	S	14	1457.8210	729.4141	**486.6118**
2102.8285	**1051.9179**	701.6144	19	T	13	**1370.7889**	685.8981	457.6012
2201.8969	**1101.4521**	734.6372	20	V	12	**1269.7412**	635.3743	423.9186
2298.9497	1149.9785	766.9881	21	P	11	**1170.6728**	585.8401	390.8958
2398.0181	**1199.5127**	**800.0109**	22	V	10	1073.6201	537.3137	358.5449
2469.0552	**1235.0312**	823.6899	23	A	9	**974.5517**	**487.7795**	325.5221
2570.1029	1285.5551	857.3725	24	T	8	**903.5146**	452.2609	301.8430
2683.1869	**1342.0971**	895.0672	25	I	7	802.4669	401.7371	268.1605
2754.2240	1377.6157	918.7462	26	A	6	**689.3828**	345.1951	230.4658
2882.2826	**1441.6450**	961.4324	27	Q	5	618.3457	309.6765	206.7868
3011.3252	1506.1662	**1004.4466**	28	E	4	490.2871	245.6472	164.1006
3112.3729	1556.6901	1038.1292	29	T	3	361.2445	181.1259	121.0864
3225.4570	1613.2321	**1075.8238**	30	L	2	260.1969	130.6021	87.4038
			31	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KKGS$_{167}$GEDDEEET$_{181}$ETTPTSTVPVATIAQETLK.V/3

0.9863

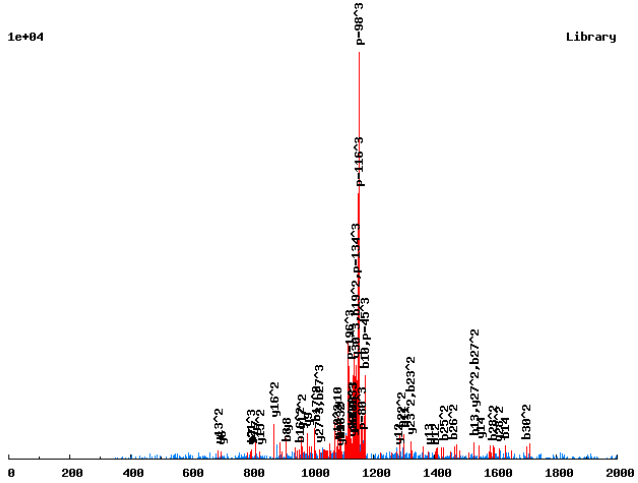


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	31			
257.1972	129.1022	86.4039	2	K	30	3323.4338	1662.2206	1108.4828
314.2187	157.6130	105.4111	3	G	29	3195.3389	**1598.1731**	**1065.7845**
481.2170	241.1122	161.0772	4	S[167]	28	3138.3174	1569.6624	1046.7773
538.2385	269.6229	180.0843	5	G	27	2971.3191	**1486.1632**	991.1112
667.2811	334.1442	223.0985	6	E	26	2914.2976	**1457.6524**	972.1041
782.3080	391.6576	261.4409	7	D	25	2785.2550	1393.1311	**929.0899**
897.3350	449.1711	299.7832	8	D	24	2670.2281	**1335.6177**	**890.7475**
1026.3775	513.6924	342.7974	9	E	23	2555.2011	**1278.1042**	852.4052
1155.4201	578.2137	385.8116	10	E	22	2426.1585	1213.5829	**809.3910**
1284.4627	642.7350	428.8258	11	E	21	2297.1160	1149.0616	766.3768
1465.4767	733.2420	489.1638	12	T[181]	20	2168.0734	**1084.5403**	723.3626
1594.5193	797.7633	532.1780	13	E	19	1987.0593	994.0333	663.0246
1695.5670	848.2871	565.8605	14	T	18	1858.0168	**929.5120**	620.0104
1796.6147	**898.8110**	599.5431	15	T	17	1756.9691	**878.9882**	586.3279
1893.6674	947.3374	631.8940	16	P	16	**1655.9214**	**828.4643**	**552.6453**
1994.7151	**997.8612**	**665.5766**	17	T	15	1558.8686	779.9380	520.2944
2081.7472	1041.3772	694.5872	18	S	14	**1457.8210**	729.4141	**486.6118**
2182.7948	**1091.9011**	728.2698	19	T	13	**1370.7889**	685.8981	457.6012
2281.8632	1141.4353	761.2926	20	V	12	**1269.7412**	635.3743	423.9186
2378.9160	**1189.9616**	793.6435	21	P	11	**1170.6728**	585.8401	390.8958
2477.9844	**1239.4958**	826.6663	22	V	10	**1073.6201**	537.3137	358.5449
2549.0215	**1275.0144**	**850.3454**	23	A	9	**974.5517**	487.7795	325.5221
2650.0692	**1325.5382**	884.0279	24	T	8	**903.5146**	452.2609	301.8430
2763.1533	**1382.0803**	921.7226	25	I	7	**802.4669**	401.7371	268.1605
2834.1904	**1417.5988**	945.4016	26	A	6	**689.3828**	345.1951	230.4658
2962.2490	**1481.6281**	**988.0878**	27	Q	5	618.3457	309.6765	206.7868
3091.2915	**1546.1494**	1031.1020	28	E	4	490.2871	245.6472	164.1006
3192.3392	1596.6733	**1064.7846**	29	T	3	361.2445	181.1259	121.0864
3305.4233	1653.2153	1102.4793	30	L	2	260.1969	130.6021	87.4038
			31	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$K$_{136}$GS$_{167}$GEDDEEETETT$_{181}$PTS$_{167}$TVPVATIAQETLK$_{136}$.V/3

0.7382

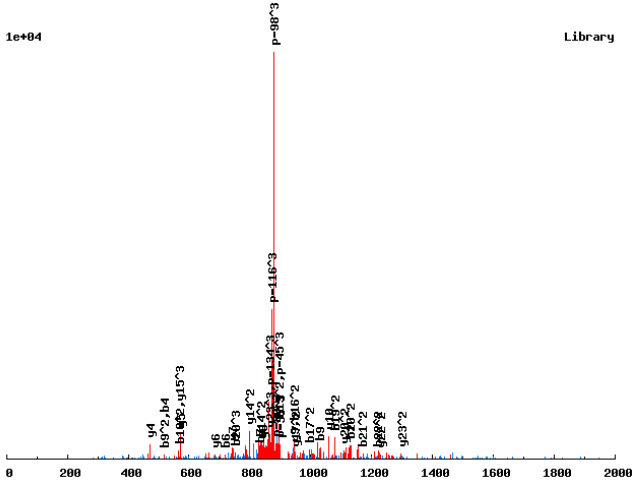


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	31			
273.2256	137.1164	91.7467	2	K[136]	30	3419.4286	1710.2179	**1140.4810**
330.2471	165.6272	110.7539	3	G	29	3283.3194	1642.1633	**1095.1113**
497.2454	249.1263	166.4200	4	S[167]	28	3226.2980	**1613.6526**	1076.1042
554.2669	277.6371	185.4271	5	G	27	3059.2996	**1530.1534**	**1020.4381**
683.3095	342.1584	228.4413	6	E	26	3002.2781	1501.6427	1001.4309
798.3364	399.6718	266.7837	7	D	25	2873.2355	1437.1214	958.4167
913.3633	457.1853	305.1260	8	D	24	2758.2086	1379.6079	920.0744
1042.4059	521.7066	348.1402	9	E	23	2643.1817	**1322.0945**	881.7321
1171.4485	586.2279	391.1544	10	E	22	2514.1391	1257.5732	838.7179
1300.4911	650.7492	434.1686	11	E	21	2385.0965	1193.0519	**795.7037**
1401.5388	701.2730	467.8511	12	T	20	2256.0539	**1128.5306**	752.6895
1530.5814	765.7943	510.8653	13	E	19	2155.0062	**1078.0067**	719.0069
1631.6291	816.3182	544.5479	14	T	18	2025.9636	1013.4855	675.9927
1812.6431	906.8252	604.8859	15	T[181]	17	1924.9159	**962.9616**	642.3102
1909.6958	**955.3516**	637.2368	16	P	16	1743.9019	**872.4546**	581.9722
2010.7435	**1005.8754**	670.9194	17	T	15	1646.8492	**823.9282**	549.6212
2177.7419	**1089.3746**	726.5855	18	S[167]	14	**1545.8015**	773.4044	515.9387
2278.7896	**1139.8984**	760.2680	19	T	13	**1378.8031**	**689.9052**	460.2726
2377.8580	1189.4326	793.2908	20	V	12	**1277.7554**	639.3814	426.5900
2474.9107	1237.9590	825.6418	21	P	11	1178.6870	589.8472	393.5672
2573.9791	**1287.4932**	858.6646	22	V	10	**1081.6343**	541.3208	361.2163
2645.0163	**1323.0118**	882.3436	23	A	9	**982.5659**	491.7866	328.1935
2746.0639	1373.5356	916.0262	24	T	8	**911.5288**	456.2680	304.5144
2859.1480	**1430.0776**	953.7209	25	I	7	**810.4811**	405.7442	270.8319
2930.1851	**1465.5962**	977.3999	26	A	6	**697.3970**	349.2021	233.1372
3058.2437	**1529.6255**	**1020.0861**	27	Q	5	626.3599	313.6836	209.4582
3187.2863	**1594.1468**	1063.1003	28	E	4	498.3013	249.6543	166.7720
3288.3340	1644.6706	1096.7828	29	T	3	369.2587	185.1330	123.7578
3401.4180	**1701.2126**	**1134.4775**	30	L	2	268.2111	134.6092	90.0752
			31	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$K$_{136}$NESNDAEVS$_{167}$ENEDTTGLTSPTR$_{166}$.V/3

0.9617

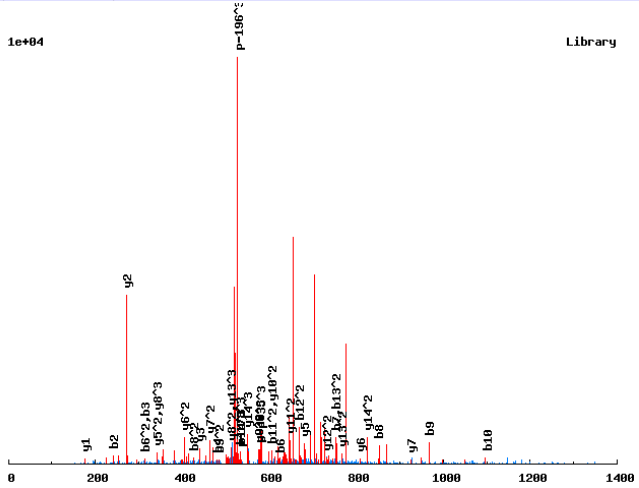


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	24			
273.2256	137.1164	91.7467	2	K[136]	23	2592.1063	**1296.5568**	**864.7070**
387.2685	194.1379	129.7610	3	N	22	2455.9972	**1228.5022**	819.3372
516.3111	258.6592	172.7752	4	E	21	2341.9543	1171.4808	781.3229
603.3431	302.1752	201.7859	5	S	20	2212.9117	**1106.9595**	738.3087
717.3861	359.1967	239.8002	6	N	19	2125.8796	1063.4435	709.2981
832.4130	416.7101	278.1425	7	D	18	2011.8367	1006.4220	671.2838
903.4501	452.2287	301.8216	8	A	17	1896.8098	**948.9085**	632.9414
1032.4927	**516.7500**	344.8358	9	E	16	1825.7727	913.3900	609.2624
1131.5611	**566.2842**	377.8586	10	V	15	1696.7301	848.8687	**566.2482**
1298.5595	649.7834	433.5247	11	S[167]	14	1597.6617	**799.3345**	533.2254
1427.6021	714.3047	476.5389	12	E	13	1430.6633	715.8353	477.5593
1541.6450	771.3261	514.5532	13	N	12	1301.6207	651.3140	434.5451
1670.6876	**835.8474**	557.5674	14	E	11	1187.5778	594.2925	396.5308
1785.7145	**893.3609**	595.9097	15	D	10	**1058.5352**	529.7712	353.5166
1886.7622	**943.8847**	629.5923	16	T	9	**943.5082**	472.2578	315.1743
1987.8099	**994.4086**	663.2748	17	T	8	**842.4606**	421.7339	281.4917
2044.8314	1022.9193	682.2820	18	G	7	**741.4129**	371.2101	247.8091
2157.9154	**1079.4613**	719.9767	19	L	6	**684.3914**	342.6994	228.8020
2258.9631	**1129.9852**	**753.6592**	20	T	5	**571.3074**	286.1573	191.1073
2345.9951	**1173.5012**	782.6699	21	S	4	**470.2597**	235.6335	157.4247
2443.0479	**1222.0276**	815.0208	22	P	3	383.2277	192.1175	128.4141
2544.0956	1272.5514	848.7034	23	T	2	286.1749	143.5911	96.0632
			24	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.KLAS$_{167}$SGEVDKIES$_{167}$PR.M/3

0.9813

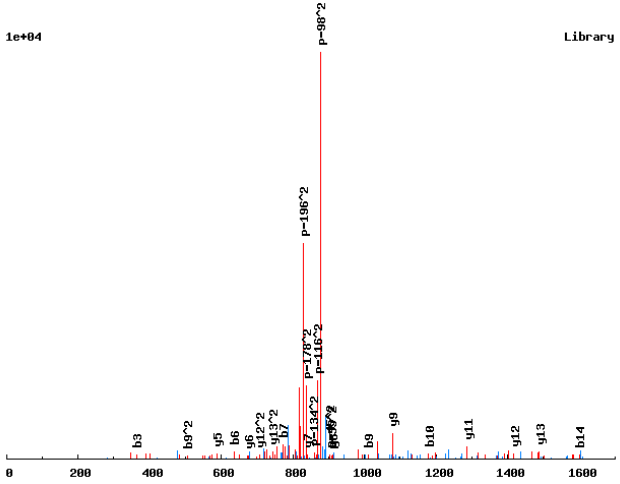


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	15			
242.1863	121.5968	81.4003	2	L	14	1647.7026	**824.3550**	**549.9057**
313.2234	157.1153	105.0793	3	A	13	1534.6186	**767.8129**	**512.2110**
480.2218	240.6145	160.7454	4	S[167]	12	1463.5815	**732.2944**	488.5320
567.2538	284.1305	189.7561	5	S	11	1296.5831	**648.7952**	432.8659
624.2753	**312.6413**	208.7633	6	G	10	1209.5511	**605.2792**	403.8552
753.3179	377.1626	251.7775	7	E	9	1152.5296	**576.7685**	384.8481
852.3863	**426.6968**	284.8003	8	V	8	1023.4870	**512.2472**	**341.8339**
967.4132	**484.2102**	323.1426	9	D	7	**924.4186**	**462.7130**	308.8111
1095.5082	548.2577	365.8409	10	K	6	**809.3917**	**405.1995**	270.4687
1208.5922	**604.7998**	403.5356	11	I	5	**681.2967**	**341.1520**	227.7704
1337.6348	**669.3210**	446.5498	12	E	4	568.2127	284.6100	190.0757
1504.6332	**752.8202**	502.2159	13	S[167]	3	**439.1701**	220.0887	147.0615
1601.6859	801.3466	**534.5668**	14	P	2	**272.1717**	136.5895	91.3954
			15	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$LDAEAK$_{136}$S$_{167}$AS$_{167}$SS$_{167}$PAPK$_{136}$.D/2

0.8314

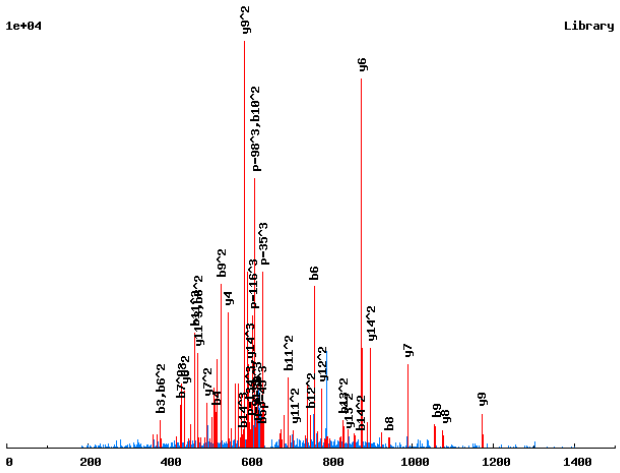


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	16		
250.2005	125.6039	2	L	15	1714.6708	857.8391
365.2274	183.1174	3	D	14	1601.5868	801.2970
436.2645	218.6359	4	A	13	**1486.5598**	**743.7836**
565.3071	283.1572	5	E	12	**1415.5227**	**708.2650**
636.3442	318.6758	6	A	11	**1286.4801**	643.7437
772.4534	386.7303	7	K[136]	10	1215.4430	608.2251
939.4518	470.2295	8	S[167]	9	**1079.3339**	540.1706
1010.4889	**505.7481**	9	A	8	**912.3355**	456.6714
1177.4872	589.2473	10	S[167]	7	**841.2984**	421.1528
1264.5193	632.7633	11	S	6	**674.3000**	337.6537
1431.5176	716.2625	12	S[167]	5	**587.2680**	294.1376
1528.5704	764.7888	13	P	4	420.2696	210.6385
1599.6075	800.3074	14	A	3	323.2169	162.1121
1696.6603	848.8338	15	P	2	252.1798	126.5935
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$LEHNQPSIS$_{167}$YIC$_{160}$SR$_{166}$.F/3

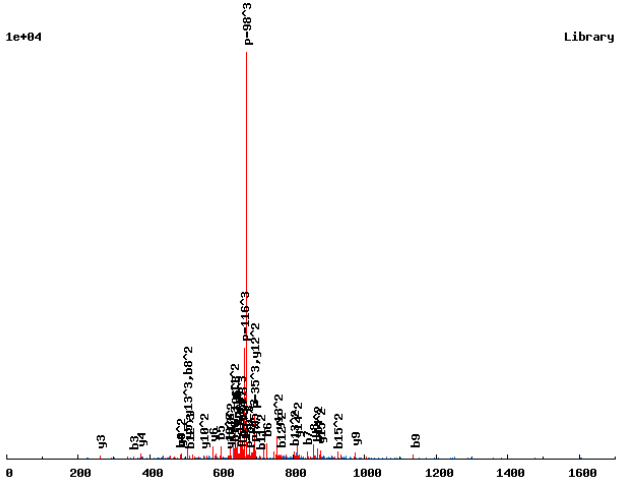
0.9991



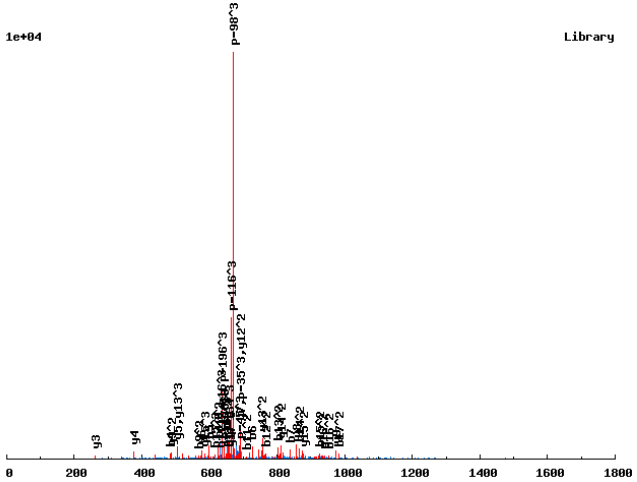
b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	15			
250.2005	125.6039	84.0717	2	L	14	1793.7916	**897.3994**	**598.6020**
379.2431	190.1252	127.0859	3	E	13	1680.7075	**840.8574**	560.9074
516.3020	258.6546	172.7722	4	H	12	1551.6649	**776.3361**	517.8932
630.3449	315.6761	210.7865	5	N	11	1414.6060	**707.8066**	**472.2069**
758.4035	**379.7054**	253.4727	6	Q	10	1300.5631	650.7852	434.1925
855.4563	**428.2318**	285.8236	7	P	9	**1172.5045**	**586.7559**	391.5064
942.4883	**471.7478**	314.8343	8	S	8	**1075.4517**	538.2295	359.1554
1055.5724	**528.2898**	352.5290	9	I	7	**988.4197**	**494.7135**	330.1448
1222.5707	**611.7890**	408.1951	10	S[167]	6	**875.3357**	**438.1715**	292.4501
1385.6341	**693.3207**	**462.5495**	11	Y	5	708.3373	354.6723	236.7840
1498.7181	**749.8627**	500.2442	12	I	4	**545.2740**	273.1406	182.4295
1658.7488	**829.8780**	553.5878	13	C[160]	3	**432.1899**	216.5986	144.7348
1745.7808	**873.3940**	**582.5985**	14	S	2	272.1592	136.5833	91.3913
			15	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.KLNELQNS$_{167}$EDS$_{167}$DAEDGGK.Q/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	18			
242.1863	121.5968	81.4003	2	L	17	1980.7107	990.8590	**660.9084**
356.2292	178.6183	119.4146	3	N	16	1867.6266	934.3170	**623.2137**
485.2718	243.1395	162.4288	4	E	15	1753.5837	**877.2955**	585.1994
598.3559	299.6816	200.1235	5	L	14	1624.5411	**812.7742**	542.1852
726.4145	363.7109	242.8097	6	Q	13	1511.4571	**756.2322**	**504.4905**
840.4574	420.7323	280.8240	7	N	12	1383.3985	**692.2029**	461.8043
1007.4558	**504.2315**	336.4901	8	S[167]	11	1269.3556	**635.1814**	423.7900
1136.4983	568.7528	379.5043	9	E	10	1102.3572	**551.6822**	368.1239
1251.5253	**626.2663**	417.8466	10	D	9	**973.3146**	**487.1609**	325.1097
1418.5236	**709.7655**	473.5127	11	S[167]	8	**858.2877**	429.6475	286.7674
1533.5506	**767.2789**	**511.8550**	12	D	7	**691.2893**	346.1483	231.1013
1604.5877	**802.7975**	535.5341	13	A	6	**576.2624**	288.6348	192.7590
1733.6303	**867.3188**	578.5483	14	E	5	**505.2252**	253.1163	169.0799
1848.6572	**924.8323**	616.8906	15	D	4	**376.1827**	188.5950	126.0657
1905.6787	953.3430	**635.8977**	16	G	3	**261.1557**	131.0815	87.7234
1962.7001	981.8537	**654.9049**	17	G	2	204.1343	102.5708	68.7163
			18	K	1	147.1128	74.0600	49.7091

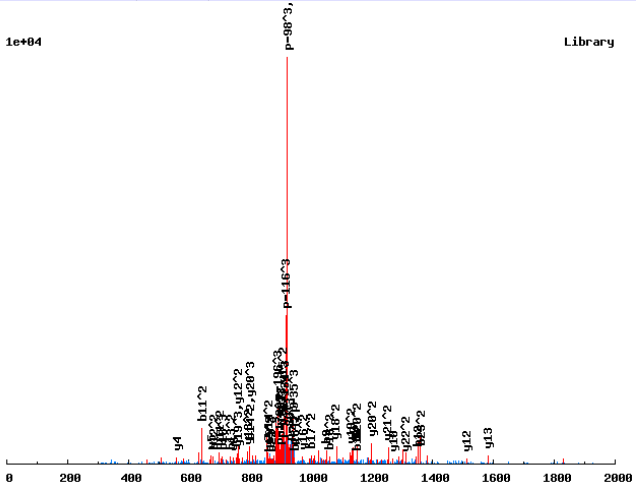


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	18			
242.1863	121.5968	81.4003	2	L	17	1980.7107	990.8590	**660.9084**
356.2292	178.6183	119.4146	3	N	16	1867.6266	**934.3170**	623.2137
485.2718	243.1395	162.4288	4	E	15	1753.5837	**877.2955**	**585.1994**
598.3559	299.6816	200.1235	5	L	14	1624.5411	**812.7742**	542.1852
726.4145	363.7109	242.8097	6	Q	13	1511.4571	**756.2322**	**504.4905**
840.4574	420.7323	280.8240	7	N	12	1383.3985	**692.2029**	461.8043
1007.4558	504.2315	336.4901	8	S[167]	11	1269.3556	**635.1814**	423.7900
1136.4983	**568.7528**	379.5043	9	E	10	1102.3572	551.6822	368.1239
1251.5253	**626.2663**	417.8466	10	D	9	**973.3146**	**487.1609**	325.1097
1418.5236	**709.7655**	473.5127	11	S[167]	8	**858.2877**	429.6475	286.7674
1533.5506	**767.2789**	511.8550	12	D	7	**691.2893**	346.1483	231.1013
1604.5877	**802.7975**	535.5341	13	A	6	**576.2624**	288.6348	192.7590
1733.6303	**867.3188**	578.5483	14	E	5	**505.2252**	253.1163	169.0799
1848.6572	**924.8323**	**616.8906**	15	D	4	**376.1827**	188.5950	126.0657
1905.6787	**953.3430**	**635.8977**	16	G	3	**261.1557**	131.0815	87.7234
1962.7001	**981.8537**	**654.9049**	17	G	2	204.1343	102.5708	68.7163
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KLNNQPQVETEANEES$_{167}$DDANS$_{167}$MIK.G/3

0.9998

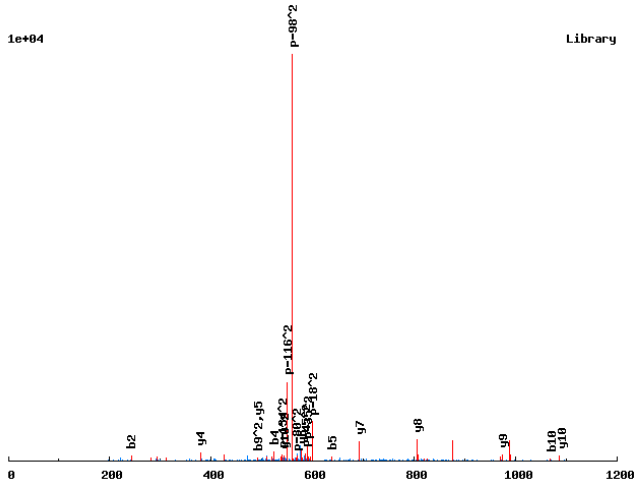


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	24			
242.1863	121.5968	81.4003	2	L	23	2736.0743	1368.5408	912.6963
356.2292	178.6183	119.4146	3	N	22	2622.9903	**1311.9988**	875.0016
470.2722	235.6397	157.4289	4	N	21	2508.9473	**1254.9773**	836.9873
598.3307	299.6690	200.1151	5	Q	20	2394.9044	**1197.9558**	**798.9730**
695.3835	348.1954	232.4660	6	P	19	2266.8458	**1133.9266**	**756.2868**
823.4421	412.2247	275.1522	7	Q	18	2169.7931	**1085.4002**	723.9359
922.5105	461.7589	308.1750	8	V	17	2041.7345	1021.3709	681.2497
1051.5531	526.2802	351.1892	9	E	16	1942.6661	**971.8367**	648.2269
1152.6008	576.8040	384.8718	10	T	15	1813.6235	**907.3154**	605.2127
1281.6434	**641.3253**	427.8860	11	E	14	1712.5758	**856.7915**	571.5301
1352.6805	**676.8439**	451.5650	12	A	13	**1583.5332**	**792.2702**	528.5159
1466.7234	**733.8653**	489.5793	13	N	12	**1512.4961**	**756.7517**	504.8369
1595.7660	**798.3866**	532.5935	14	E	11	1398.4532	**699.7302**	466.8226
1724.8086	**862.9079**	575.6077	15	E	10	**1269.4106**	635.2089	423.8084
1891.8069	**946.4071**	631.2738	16	S[167]	9	**1140.3680**	570.6876	380.7942
2006.8339	**1003.9206**	669.6161	17	D	8	973.3696	487.1885	325.1281
2121.8608	**1061.4340**	**707.9585**	18	D	7	**858.3427**	429.6750	286.7858
2192.8979	1096.9526	731.6375	19	A	6	**743.3158**	372.1615	248.4434
2306.9409	**1153.9741**	769.6518	20	N	5	**672.2786**	336.6430	224.7644
2473.9392	1237.4732	825.3179	21	S[167]	4	**558.2357**	279.6215	186.7501
2604.9797	1302.9935	**868.9981**	22	M	3	391.2373	196.1223	131.0840
2718.0638	**1359.5355**	**906.6928**	23	I	2	260.1969	130.6021	87.4038
			24	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KLS$_{167}$DLSLSGSK.Q/2

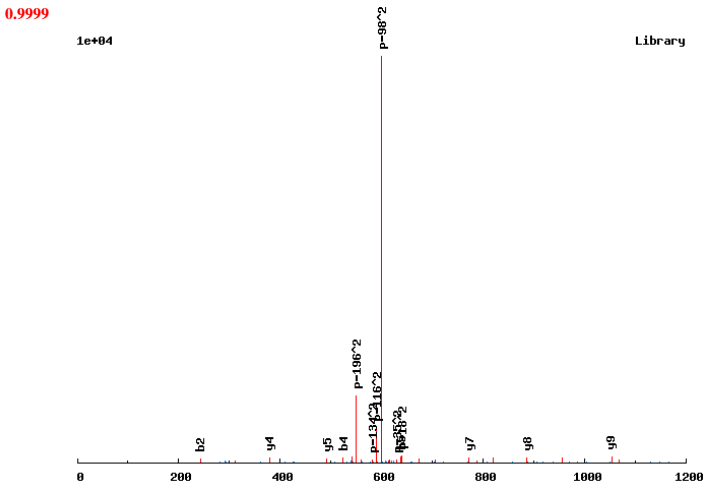
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
242.1863	121.5968	2	L	10	**1086.5078**	**543.7576**
409.1847	205.0960	3	S[167]	9	**973.4238**	487.2155
524.2116	262.6094	4	D	8	**806.4254**	403.7163
637.2957	319.1515	5	L	7	**691.3985**	346.2029
724.3277	362.6675	6	S	6	**578.3144**	289.6608
837.4118	419.2095	7	L	5	**491.2824**	246.1448
924.4438	462.7255	8	S	4	**378.1983**	189.6028
981.4652	**491.2363**	9	G	3	291.1663	146.0868
1068.4973	534.7523	10	S	2	234.1448	117.5761
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.KLS$_{167}$DLS$_{167}$LSGSK.Q/2

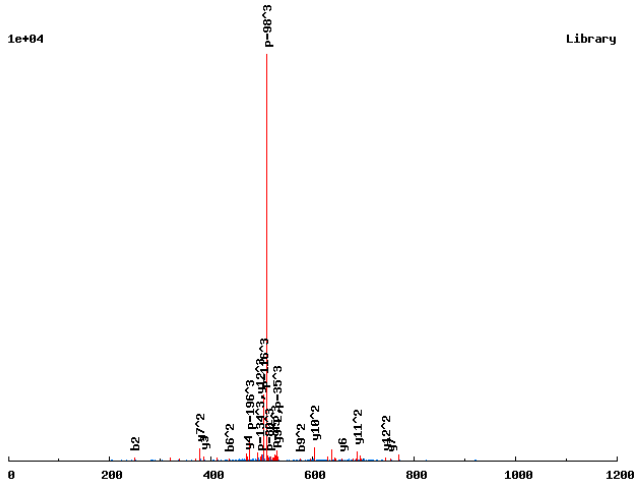


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
242.1863	121.5968	2	L	10	1166.4742	583.7407
409.1847	205.0960	3	S[167]	9	**1053.3901**	527.1987
524.2116	262.6094	4	D	8	**886.3917**	443.6995
637.2957	319.1515	5	L	7	**771.3648**	386.1860
804.2940	402.6507	6	S[167]	6	658.2807	329.6440
917.3781	459.1927	7	L	5	**491.2824**	246.1448
1004.4101	502.7087	8	S	4	**378.1983**	189.6028
1061.4316	531.2194	9	G	3	291.1663	146.0868
1148.4636	574.7354	10	S	2	234.1448	117.5761
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$LS$_{167}$FHS$_{167}$PNASSIR$_{166}$.K/3

0.7584

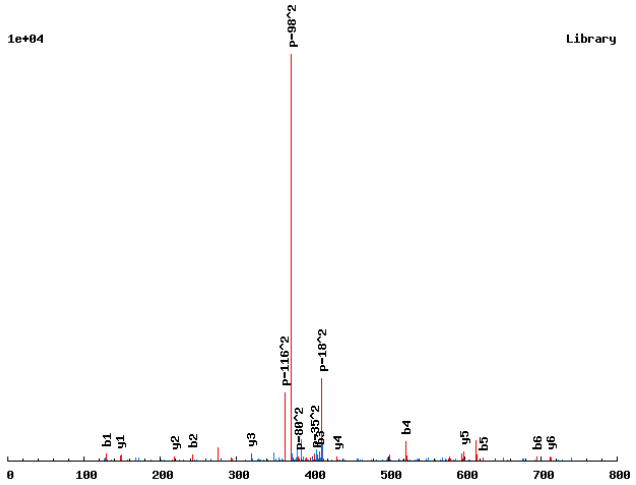


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	13			
250.2005	125.6039	84.0717	2	L	12	1485.6162	**743.3118**	**495.8769**
417.1989	209.1031	139.7378	3	S[167]	11	1372.5322	**686.7697**	458.1822
564.2673	282.6373	188.7606	4	F	10	1205.5338	**603.2705**	402.5161
701.3262	351.1667	234.4469	5	H	9	1058.4654	**529.7363**	353.4933
868.3245	**434.6659**	290.1130	6	S[167]	8	921.4065	461.2069	307.8070
965.3773	483.1923	322.4640	7	P	7	**754.4081**	**377.7077**	252.1409
1079.4202	540.2138	360.4783	8	N	6	**657.3554**	329.1813	219.7900
1150.4573	**575.7323**	384.1573	9	A	5	543.3124	272.1599	181.7757
1237.4894	619.2483	413.1680	10	S	4	**472.2753**	236.6413	158.0966
1324.5214	662.7643	442.1787	11	S	3	**385.2433**	193.1253	129.0860
1437.6055	719.3064	479.8733	12	I	2	298.2113	149.6093	100.0753
			13	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.KLS$_{167}$ITAK.T/2

0.9983

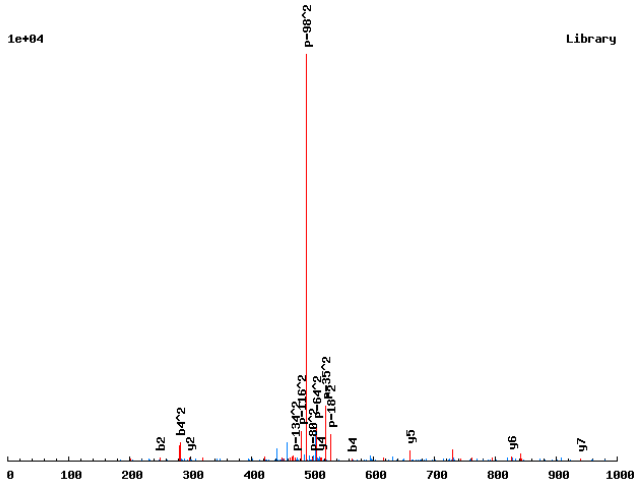


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	**1**	**K**	**7**		
242.1863	121.5968	**2**	**L**	**6**	**712.3641**	356.6857
409.1847	205.0960	**3**	**S[167]**	**5**	**599.2800**	300.1436
522.2687	261.6380	**4**	**I**	**4**	**432.2816**	216.6445
623.3164	312.1618	**5**	**T**	**3**	**319.1976**	160.1024
694.3535	347.6804	**6**	**A**	**2**	**218.1499**	109.5786
		7	**K**	**1**	**147.1128**	74.0600

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$LS$_{167}$M$_{147}$SQLR$_{166}$.S/2

0.7137

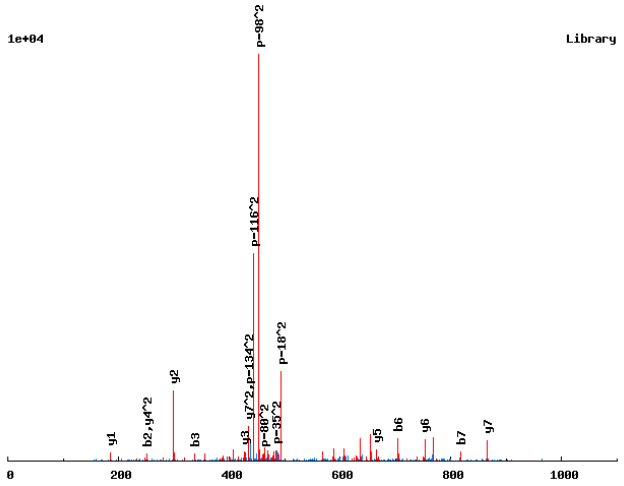


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	8		
250.2005	125.6039	2	L	7	**940.4197**	470.7135
417.1989	209.1031	3	S[167]	6	**827.3357**	414.1715
564.2343	**282.6208**	4	M[147]	5	**660.3373**	330.6723
651.2663	326.1368	5	S	4	**513.3019**	257.1546
779.3249	390.1661	6	Q	3	426.2699	213.6386
892.4089	446.7081	7	L	2	**298.2113**	149.6093
		8	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$LSS$_{167}$AELR$_{166}$.K/2

0.9876

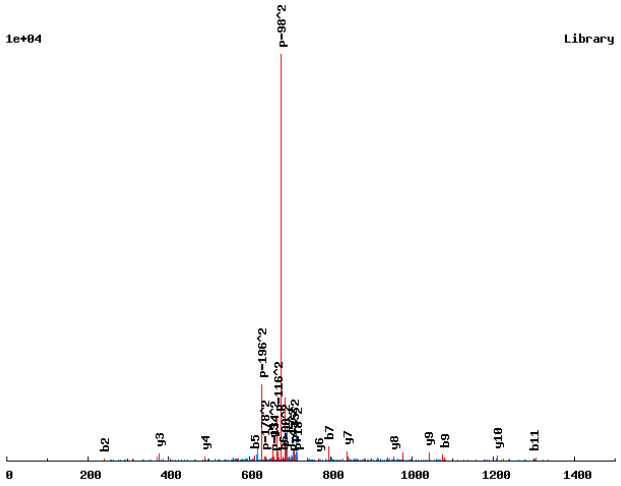


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	8		
250.2005	125.6039	2	L	7	**865.4054**	**433.2064**
337.2325	169.1199	3	S	6	**752.3214**	376.6643
504.2309	252.6191	4	S[167]	5	**665.2893**	333.1483
575.2680	288.1376	5	A	4	498.2910	**249.6491**
704.3106	352.6589	6	E	3	**427.2539**	214.1306
817.3947	409.2010	7	L	2	**298.2113**	149.6093
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.KLS$_{167}$SDAIS$_{167}$ITQK.S/2

0.999

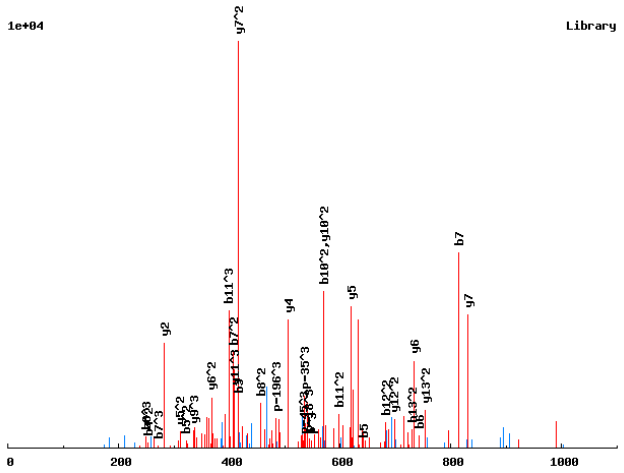


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
242.1863	121.5968	2	L	11	1322.5640	661.7857
409.1847	205.0960	3	S[167]	10	**1209.4800**	605.2436
496.2167	248.6120	4	S	9	**1042.4816**	521.7445
611.2436	306.1255	5	D	8	**955.4496**	478.2284
682.2807	341.6440	6	A	7	**840.4227**	420.7150
795.3648	398.1860	7	I	6	**769.3855**	385.1964
962.3632	481.6852	8	S[167]	5	**656.3015**	328.6544
1075.4472	538.2273	9	I	4	**489.3031**	245.1552
1176.4949	588.7511	10	T	3	**376.2191**	188.6132
1304.5535	652.7804	11	Q	2	275.1714	138.0893
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$LS$_{167}$SHTAPIIGS$_{167}$PR$_{166}$.H/3

0.8026

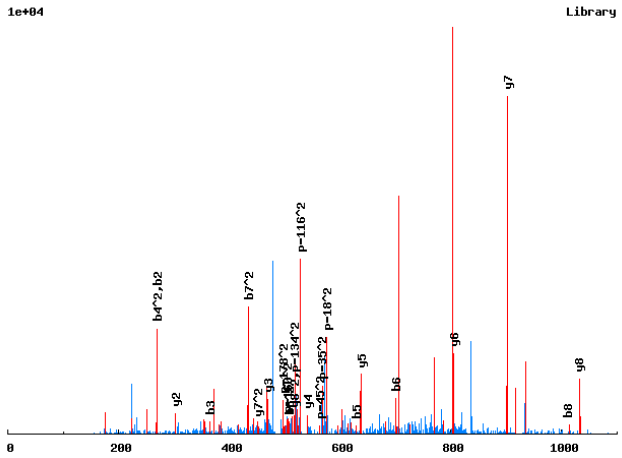


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	14			
250.2005	125.6039	84.0717	2	L	13	1505.6788	**753.3431**	502.5645
417.1989	209.1031	139.7378	3	S[167]	12	1392.5948	**696.8010**	464.8698
504.2309	**252.6191**	168.7485	4	S	11	1225.5964	613.3018	**409.2037**
641.2898	**321.1485**	214.4348	5	H	10	1138.5644	**569.7858**	380.1930
742.3375	371.6724	**248.1173**	6	T	9	1001.5055	501.2564	**334.5067**
813.3746	**407.1909**	**271.7964**	7	A	8	900.4578	450.7325	300.8241
910.4274	**455.7173**	304.1473	8	P	7	**829.4207**	**415.2140**	277.1451
1023.5114	512.2593	341.8420	9	I	6	**732.3679**	**366.6876**	244.7942
1136.5955	**568.8014**	379.5367	10	I	5	**619.2839**	**310.1456**	207.0995
1193.6169	**597.3121**	**398.5438**	11	G	4	**506.1998**	253.6035	169.4048
1360.6153	**680.8113**	454.2100	12	S[167]	3	449.1783	225.0928	150.3976
1457.6681	**729.3377**	486.5609	13	P	2	**282.1800**	141.5936	94.7315
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$MPS$_{167}$PAS$_{167}$FK$_{136}$.S/2

0.8796

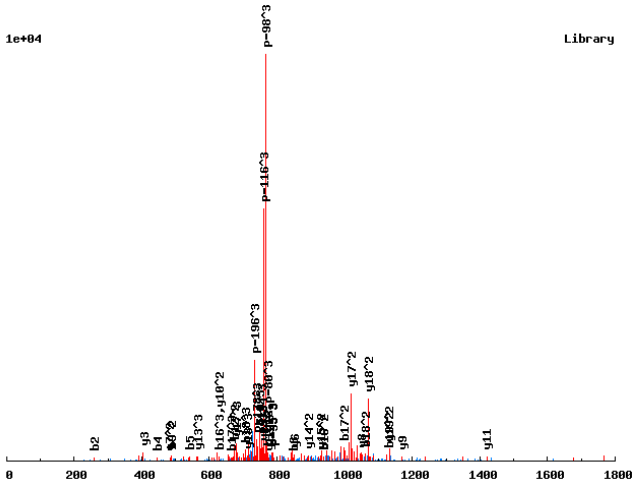


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	9		
268.1569	134.5821	2	M	8	**1032.3753**	**516.6913**
365.2097	183.1085	3	P	7	**901.3348**	**451.1710**
532.2081	**266.6077**	4	S[167]	6	**804.2820**	402.6446
629.2608	315.1340	5	P	5	**637.2836**	319.1455
700.2979	350.6526	6	A	4	**540.2309**	270.6191
867.2963	**434.1518**	7	S[167]	3	**469.1938**	235.1005
1014.3647	**507.6860**	8	F	2	**302.1954**	151.6013
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.KMPSPASFKS$_{167}$SDSDS$_{167}$S$_{167}$IKEK.L/3

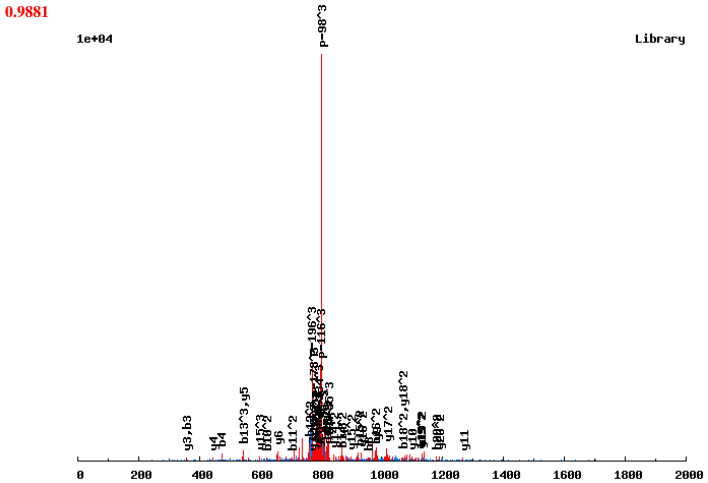
0.9769



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	20			
260.1427	130.5750	87.3858	2	M	19	2267.8580	**1134.4326**	**756.6242**
357.1955	179.1014	119.7367	3	P	18	2136.8175	**1068.9124**	**712.9440**
444.2275	222.6174	148.7474	4	S	17	2039.7647	**1020.3860**	**680.5931**
541.2803	271.1438	181.0983	5	P	16	1952.7327	976.8700	651.5824
612.3174	306.6623	204.7773	6	A	15	1855.6799	**928.3436**	619.2315
699.3494	350.1784	233.7880	7	S	14	1784.6428	**892.8251**	595.5525
846.4178	423.7126	282.8108	8	F	13	1697.6108	849.3090	**566.5418**
974.5128	**487.7600**	325.5091	9	K	12	1550.5424	**775.7748**	517.5190
1141.5112	571.2592	381.1752	10	S[167]	11	**1422.4474**	711.7274	474.8207
1228.5432	614.7752	410.1859	11	S	10	1255.4491	**628.2282**	419.1545
1343.5701	**672.2887**	448.5282	12	D	9	**1168.4170**	584.7122	390.1439
1430.6022	715.8047	477.5389	13	S	8	**1053.3901**	527.1987	351.8016
1545.6291	**773.3182**	515.8812	14	D	7	966.3581	**483.6827**	322.7909
1712.6275	856.8174	571.5473	15	S[167]	6	**851.3311**	426.1692	284.4486
1879.6258	**940.3165**	**627.2135**	16	S[167]	5	684.3328	342.6700	228.7824
1992.7099	**996.8586**	**664.9081**	17	I	4	517.3344	259.1708	173.1163
2120.8048	**1060.9061**	**707.6065**	18	K	3	**404.2503**	202.6288	135.4216
2249.8474	**1125.4274**	**750.6207**	19	E	2	276.1554	138.5813	92.7233
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KNDDS$_{167}$ADERES$_{167}$DNPILTSNPK.M/3

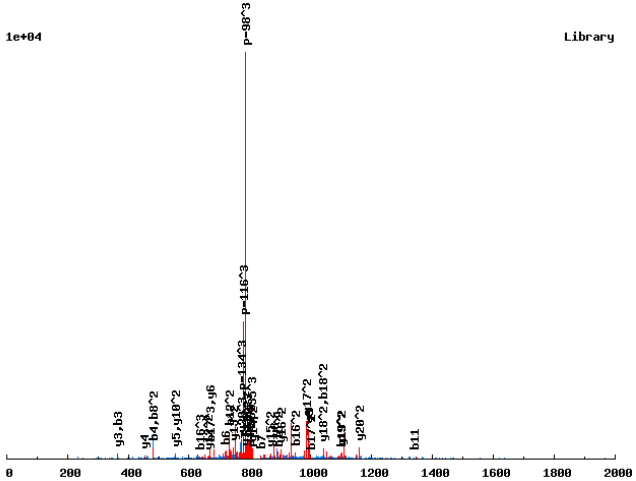


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	21			
243.1452	122.0762	81.7199	2	N	20	2376.9228	**1188.9651**	**792.9791**
358.1721	179.5897	120.0622	3	D	19	2262.8799	**1131.9436**	754.9648
473.1990	237.1032	158.4045	4	D	18	2147.8530	**1074.4301**	716.6225
640.1974	320.6023	214.0707	5	S[167]	17	2032.8260	**1016.9166**	678.2802
711.2345	356.1209	237.7497	6	A	16	1865.8277	**933.4175**	622.6141
826.2615	413.6344	276.0920	7	D	15	1794.7905	**897.8989**	**598.9350**
955.3041	478.1557	319.1062	8	E	14	1679.7636	**840.3854**	560.5927
1111.4052	556.2062	371.1399	9	R	13	1550.7210	**775.8641**	517.5785
1240.4478	**620.7275**	414.1541	10	E	12	1394.6199	697.8136	465.5448
1407.4461	**704.2267**	469.8202	11	S[167]	11	**1265.5773**	633.2923	422.5306
1522.4731	**761.7402**	508.1625	12	D	10	**1098.5789**	549.7931	366.8645
1636.5160	**818.7616**	**546.1768**	13	N	9	**983.5520**	492.2796	328.5222
1733.5687	**867.2880**	578.5278	14	P	8	**869.5091**	435.2582	290.5079
1846.6528	**923.8300**	616.2225	15	I	7	**772.4563**	386.7318	258.1570
1959.7369	**980.3721**	653.9171	16	L	6	**659.3723**	330.1898	220.4623
2060.7845	1030.8959	687.5997	17	T	5	**546.2882**	273.6477	182.7676
2147.8166	**1074.4119**	716.6104	18	S	4	**445.2405**	223.1239	149.0850
2261.8595	**1131.4334**	754.6247	19	N	3	**358.2085**	179.6079	120.0743
2358.9123	**1179.9598**	**786.9756**	20	P	2	244.1656	122.5864	82.0600
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$NDDS$_{167}$ADER$_{166}$ESDNPILTSNPK$_{136}$.M/3

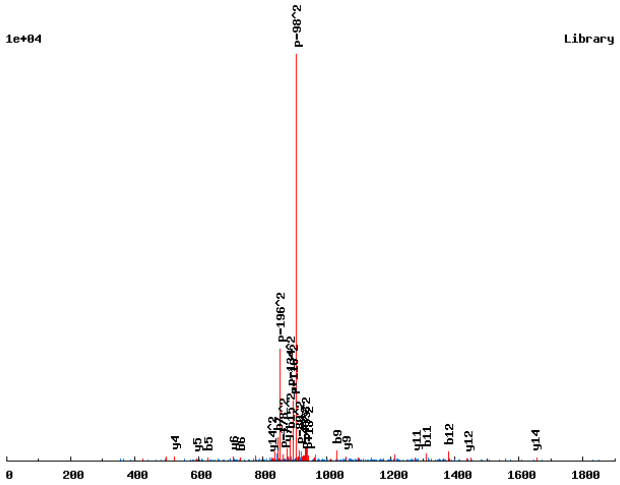
0.9994



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	21			
251.1594	126.0833	84.3913	2	N	20	2314.9790	**1157.9931**	**772.3312**
366.1863	183.5968	122.7336	3	D	19	2200.9360	**1100.9717**	734.3169
481.2132	241.1103	161.0759	4	D	18	2085.9091	**1043.4582**	695.9745
648.2116	324.6094	216.7421	5	S[167]	17	1970.8821	**985.9447**	657.6322
719.2487	360.1280	240.4211	6	A	16	1803.8838	**902.4455**	601.9661
834.2757	417.6415	278.7634	7	D	15	1732.8467	**866.9270**	578.2871
963.3182	**482.1628**	321.7776	8	E	14	1617.8197	**809.4135**	539.9448
1129.4276	565.2175	377.1474	9	R[166]	13	1488.7771	**744.8922**	496.9306
1258.4702	629.7387	420.1616	10	E	12	1322.6678	**661.8375**	441.5608
1345.5022	673.2548	449.1723	11	S	11	1193.6252	597.3162	398.5466
1460.5292	**730.7682**	487.5146	12	D	10	1106.5931	**553.8002**	369.5359
1574.5721	**787.7897**	525.5289	13	N	9	**991.5662**	496.2867	331.1936
1671.6249	836.3161	557.8798	14	P	8	**877.5233**	439.2653	293.1793
1784.7089	**892.8581**	595.5745	15	I	7	**780.4705**	390.7389	260.8284
1897.7930	**949.4001**	**633.2692**	16	L	6	**667.3865**	334.1969	223.1337
1998.8407	**999.9240**	**666.9517**	17	T	5	**554.3024**	277.6548	185.4390
2085.8727	**1043.4400**	695.9624	18	S	4	**453.2547**	227.1310	151.7564
2199.9156	**1100.4615**	733.9767	19	N	3	**366.2227**	183.6150	122.7457
2296.9684	1148.9878	766.3277	20	P	2	252.1798	126.5935	84.7314
			21	K[136]	1	155.1270	78.0671	52.3805

K.K$_{136}$NDTYTDLAS$_{167}$IAS$_{167}$GR$_{166}$D.-/2

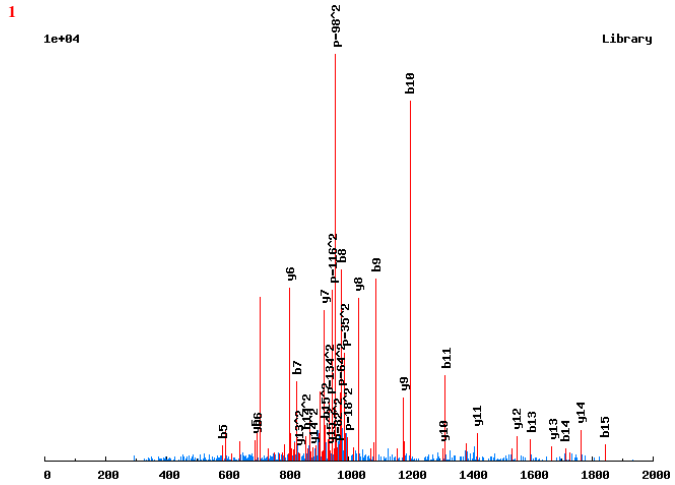
1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	16		
251.1594	126.0833	2	N	15	1768.6702	884.8387
366.1863	183.5968	3	D	14	**1654.6273**	**827.8173**
467.2340	234.1206	4	T	13	1539.6003	770.3038
630.2973	315.6523	5	Y	12	**1438.5526**	719.7800
731.3450	366.1761	6	T	11	**1275.4893**	638.2483
846.3719	423.6896	7	D	10	1174.4416	587.7245
959.4560	480.2316	8	L	9	**1059.4147**	530.2110
1030.4931	515.7502	9	A	8	946.3306	473.6690
1197.4915	599.2494	10	S[167]	7	**875.2935**	438.1504
1310.5755	655.7914	11	I	6	**708.2952**	354.6512
1381.6126	691.3100	12	A	5	**595.2111**	298.1092
1548.6110	774.8091	13	S[167]	4	**524.1740**	262.5906
1605.6325	803.3199	14	G	3	357.1756	179.0914
1771.7418	**886.3746**	15	R[166]	2	300.1542	150.5807
		16	D	1	134.0448	67.5260

Annotated spectra from Saleem et. al. 2009

K.KNPDEDEFLINS$_{167}$DDEM$_{147}$-/2

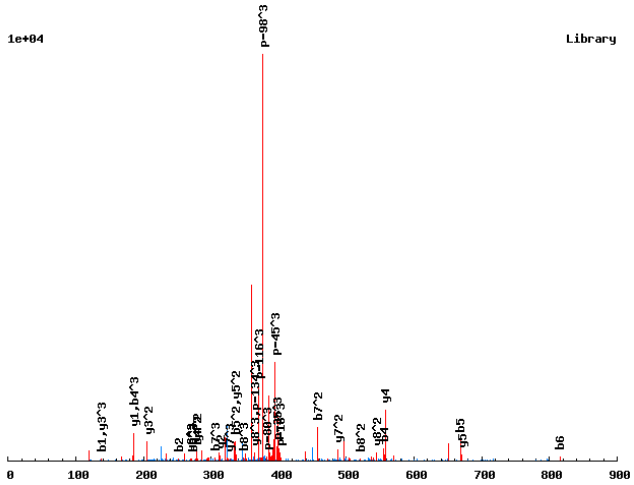


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	16		
243.1452	122.0762	2	N	15	1878.6623	**939.8348**
340.1979	170.6026	3	P	14	**1764.6194**	**882.8133**
455.2249	228.1161	4	D	13	**1667.5666**	**834.2869**
584.2675	292.6374	5	E	12	**1552.5397**	776.7735
699.2944	350.1508	6	D	11	**1423.4971**	712.2522
828.3370	414.6721	7	E	10	**1308.4701**	654.7387
975.4054	488.2063	8	F	9	**1179.4275**	590.2174
1088.4895	544.7484	9	L	8	**1032.3591**	516.6832
1201.5735	601.2904	10	I	7	**919.2751**	460.1412
1315.6164	658.3119	11	N	6	**806.1910**	403.5991
1482.6148	741.8110	12	S[167]	5	**692.1481**	346.5777
1597.6418	799.3245	13	D	4	525.1497	263.0785
1712.6687	**856.8380**	14	D	3	410.1228	205.5650
1841.7113	**921.3593**	15	E	2	295.0958	148.0516
		16	M[147]	1	166.0532	83.5303

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$NS$_{167}$HLFPQR$_{166}$.K/3

0.9789

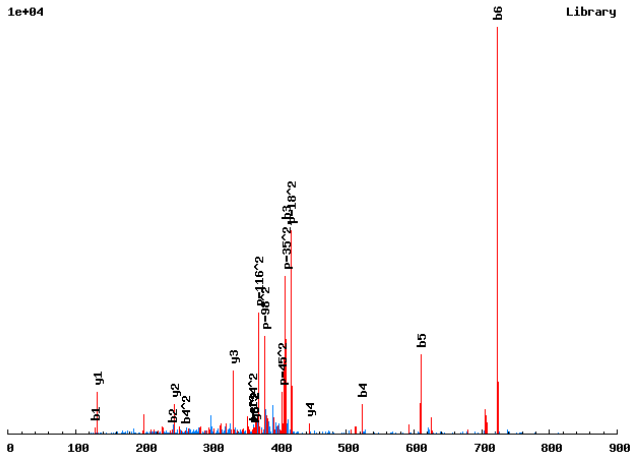


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	**1**	**K[136]**	**9**			
251.1594	126.0833	84.3913	**2**	**N**	**8**	1088.4912	**544.7493**	**363.5019**
418.1577	209.5825	140.0574	**3**	**S[167]**	**7**	974.4483	**487.7278**	**325.4876**
555.2166	**278.1120**	**185.7437**	**4**	**H**	**6**	807.4499	404.2286	**269.8215**
668.3007	**334.6540**	223.4384	**5**	**L**	**5**	**670.3910**	**335.6992**	224.1352
815.3691	408.1882	**272.4612**	**6**	**F**	**4**	**557.3070**	**279.1571**	186.4405
912.4219	**456.7146**	**304.8121**	**7**	**P**	**3**	410.2386	**205.6229**	**137.4177**
1040.4805	**520.7439**	**347.4983**	**8**	**Q**	**2**	**313.1858**	157.0965	105.0668
			9	**R[166]**	**1**	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.KNS$_{167}$LSLL.-/2

0.9838

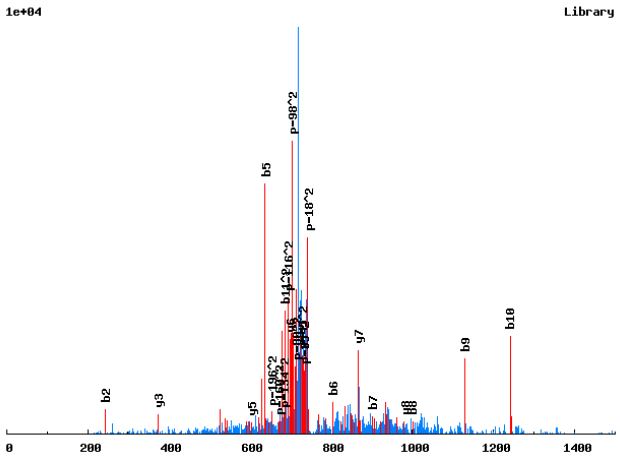


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	**1**	**K**	**7**		
243.1452	122.0762	**2**	**N**	**6**	726.3433	**363.6753**
410.1435	205.5754	**3**	**S[167]**	**5**	612.3004	306.6538
523.2276	**262.1174**	**4**	**L**	**4**	**445.3021**	223.1547
610.2596	305.6335	**5**	**S**	**3**	**332.2180**	166.6126
723.3437	**362.1755**	**6**	**L**	**2**	**245.1860**	123.0966
		7	**L**	**1**	**132.1019**	66.5546

Annotated spectra from Saleem et. al. 2009

R.KNS$_{167}$NLS$_{167}$PTQIEL.-/2

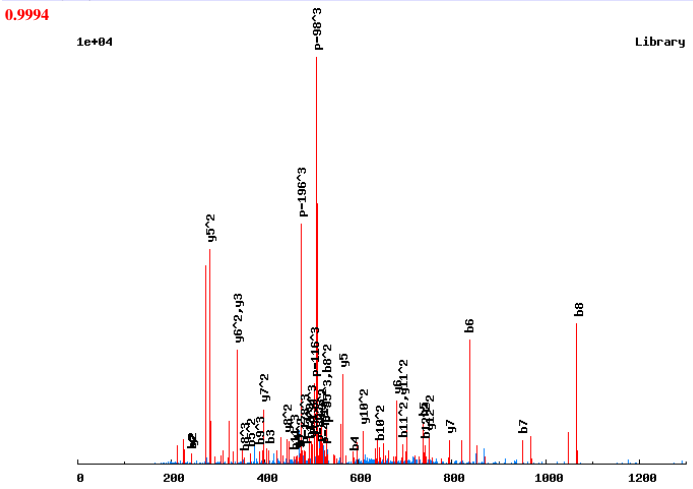
0.9376



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
243.1452	122.0762	2	N	11	1375.5542	688.2807
410.1435	205.5754	3	S[167]	10	1261.5113	631.2593
524.1865	262.5969	4	N	9	1094.5129	547.7601
637.2705	319.1389	5	L	8	**980.4700**	490.7386
804.2689	402.6381	6	S[167]	7	**867.3859**	434.1966
901.3216	451.1645	7	P	6	**700.3876**	350.6974
1002.3693	501.6883	8	T	5	**603.3348**	302.1710
1130.4279	565.7176	9	Q	4	502.2871	251.6472
1243.5120	622.2596	10	I	3	**374.2285**	187.6179
1372.5546	**686.7809**	11	E	2	261.1445	131.0759
		12	L	1	132.1019	66.5546

Annotated spectra from Saleem et. al. 2009

K.KNS$_{167}$T$_{181}$FVLDPKPPK.N/3

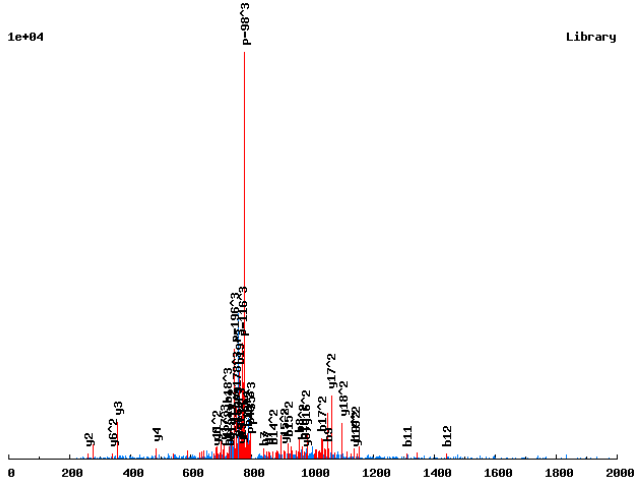


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	13			
243.1452	122.0762	81.7199	2	N	12	1502.6692	**751.8382**	**501.5612**
410.1435	205.5754	137.3860	3	S[167]	11	1388.6262	**694.8168**	463.5469
591.1575	296.0824	197.7240	4	T[181]	10	1221.6279	**611.3176**	407.8808
738.2260	**369.6166**	246.7468	5	F	9	1040.6139	**520.8106**	347.5428
837.2944	419.1508	279.7696	6	V	8	893.5455	**447.2764**	298.5200
950.3784	**475.6929**	317.4643	7	L	7	**794.4770**	**397.7422**	265.4972
1065.4054	**533.2063**	**355.8066**	8	D	6	**681.3930**	**341.2001**	227.8025
1162.4581	581.7327	**388.1576**	9	P	5	**566.3660**	**283.6867**	189.4602
1290.5531	**645.7802**	430.8559	10	K	4	**469.3133**	235.1603	157.1093
1387.6058	**694.3066**	**463.2068**	11	P	3	**341.2183**	171.1128	114.4110
1484.6586	**742.8329**	**495.5577**	12	P	2	**244.1656**	122.5864	82.0600
			13	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KPAS$_{167}$FLNDVEEEES$_{167}$PVKPLK.I/3

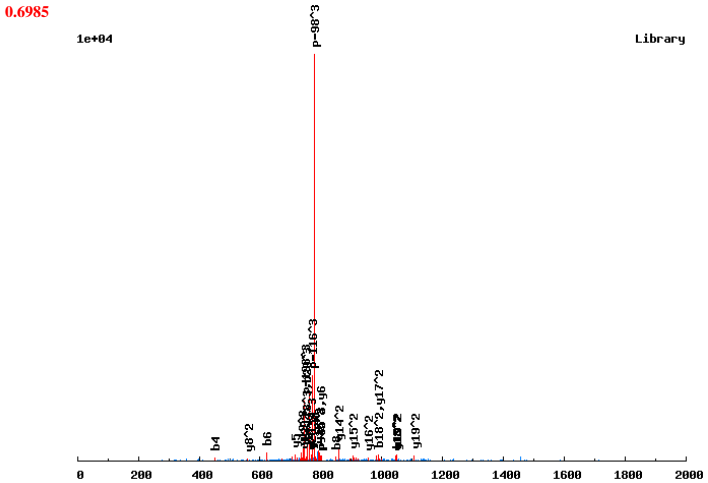
0.9378



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	20			
226.1550	113.5811	76.0565	2	P	19	2288.0135	**1144.5104**	**763.3427**
297.1921	149.0997	99.7356	3	A	18	2190.9607	**1095.9840**	**730.9918**
464.1905	232.5989	155.4017	4	S[167]	17	2119.9236	**1060.4654**	**707.3127**
611.2589	306.1331	204.4245	5	F	16	1952.9252	**976.9663**	651.6466
724.3429	362.6751	242.1192	6	L	15	1805.8568	**903.4320**	602.6238
838.3859	419.6966	280.1335	7	N	14	1692.7728	846.8900	564.9291
953.4128	477.2100	318.4758	8	D	13	1578.7298	789.8686	526.9148
1052.4812	526.7443	351.4986	9	V	12	1463.7029	**732.3551**	488.5725
1181.5238	591.2655	394.5128	10	E	11	1364.6345	**682.8209**	455.5497
1310.5664	655.7868	437.5270	11	E	10	1235.5919	618.2996	412.5355
1439.6090	**720.3081**	480.5412	12	E	9	1106.5493	553.7783	369.5213
1568.6516	**784.8294**	523.5554	13	E	8	**977.5067**	489.2570	326.5071
1735.6499	**868.3286**	579.2215	14	S[167]	7	**848.4641**	424.7357	283.4929
1832.7027	**916.8550**	611.5724	15	P	6	**681.4658**	**341.2365**	227.8268
1931.7711	**966.3892**	644.5952	16	V	5	584.4130	292.7101	195.4759
2059.8661	**1030.4367**	687.2935	17	K	4	**485.3446**	243.1759	162.4530
2156.9188	1078.9631	**719.6445**	18	P	3	**357.2496**	179.1284	119.7547
2270.0029	**1135.5051**	**757.3392**	19	L	2	**260.1969**	130.6021	87.4038
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

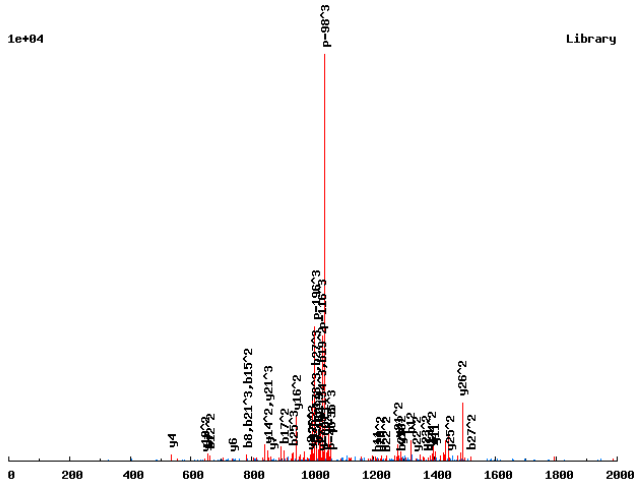
K.KPILAVPEPALADT$_{181}$HSEEIS$_{167}$R.S/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	21			
226.1550	113.5811	76.0565	2	P	20	2305.0512	1153.0293	**769.0219**
339.2391	170.1232	113.7512	3	I	19	2207.9985	**1104.5029**	**736.6710**
452.3231	226.6652	151.4459	4	L	18	2094.9144	**1047.9608**	698.9763
523.3602	262.1838	175.1249	5	A	17	1981.8304	**991.4188**	661.2816
622.4286	311.7180	208.1477	6	V	16	1910.7932	**955.9003**	637.6026
719.4814	360.2443	240.4987	7	P	15	1811.7248	**906.3661**	604.5798
848.5240	424.7656	283.5129	8	E	14	1714.6721	**857.8397**	572.2289
945.5768	473.2920	315.8638	9	P	13	1585.6295	**793.3184**	529.2147
1016.6139	508.8106	339.5428	10	A	12	1488.5767	**744.7920**	496.8638
1129.6979	565.3526	377.2375	11	L	11	1417.5396	709.2734	473.1847
1200.7350	600.8712	400.9165	12	A	10	1304.4556	652.7314	435.4900
1315.7620	658.3846	439.2588	13	D	9	1233.4184	617.2129	411.8110
1496.7760	748.8916	499.5968	14	T[181]	8	1118.3915	**559.6994**	373.4687
1633.8349	817.4211	545.2832	15	H	7	937.3775	469.1924	313.1307
1720.8669	860.9371	574.2938	16	S	6	**800.3186**	400.6629	267.4444
1849.9095	925.4584	617.3080	17	E	5	**713.2866**	357.1469	238.4337
1978.9521	**989.9797**	660.3222	18	E	4	584.2440	292.6256	195.4195
2092.0362	**1046.5217**	698.0169	19	I	3	455.2014	228.1043	152.4053
2259.0345	1130.0209	**753.6830**	20	S[167]	2	342.1173	171.5623	114.7106
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.KPSIGGDKS$_{167}$EEDGEGEDDKS$_{167}$EETVEETR.S/3

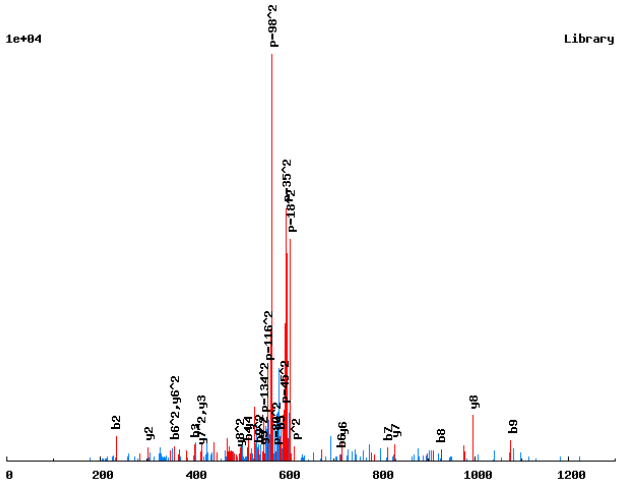


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	28			
226.1550	113.5811	76.0565	2	P	27	3084.1725	1542.5899	**1028.7290**
313.1870	157.0972	105.0672	3	S	26	2987.1198	**1494.0635**	**996.3781**
426.2711	213.6392	142.7619	4	I	25	2900.0877	**1450.5475**	967.3674
483.2926	242.1499	161.7690	5	G	24	2787.0037	**1394.0055**	929.6727
540.3140	270.6606	180.7762	6	G	23	2729.9822	**1365.4948**	910.6656
655.3410	328.1741	219.1185	7	D	22	2672.9608	**1336.9840**	891.6584
783.4359	392.2216	261.8168	8	K	21	2557.9338	**1279.4706**	**853.3161**
950.4343	475.7208	317.4829	9	S[167]	20	2429.8389	**1215.4231**	810.6178
1079.4769	540.2421	360.4971	10	E	19	2262.8405	1131.9239	754.9517
1208.5195	604.7634	403.5113	11	E	18	2133.7979	1067.4026	711.9375
1323.5464	**662.2768**	441.8537	12	D	17	2004.7553	**1002.8813**	668.9233
1380.5679	690.7876	460.8608	13	G	16	1889.7284	**945.3678**	630.5810
1509.6104	755.3089	503.8750	14	E	15	1832.7069	916.8571	611.5738
1566.6319	**783.8196**	522.8822	15	G	14	1703.6643	**852.3358**	568.5596
1695.6745	848.3409	565.8964	16	E	13	1646.6429	823.8251	549.5525
1810.7014	**905.8544**	604.2387	17	D	12	1517.6003	759.3038	506.5383
1925.7284	963.3678	642.5810	18	D	11	**1402.5733**	701.7903	468.1960
2053.8233	**1027.4153**	685.2793	19	K	10	**1287.5464**	**644.2768**	429.8537
2220.8217	1110.9145	740.9454	20	S[167]	9	1159.4514	580.2294	387.1553
2349.8643	1175.4358	**783.9596**	21	E	8	**992.4531**	496.7302	331.4892
2478.9069	**1239.9571**	826.9738	22	E	7	**863.4105**	432.2089	288.4750
2579.9546	**1290.4809**	860.6564	23	T	6	**734.3679**	367.6876	245.4608
2679.0230	1340.0151	893.6792	24	V	5	633.3202	317.1638	211.7783
2808.0656	1404.5364	**936.6934**	25	E	4	**534.2518**	267.6295	178.7555
2937.1081	1469.0577	979.7076	26	E	3	405.2092	203.1082	135.7413
3038.1558	**1519.5816**	**1013.3901**	27	T	2	276.1666	138.5870	92.7271
			28	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$PS$_{167}$LAETLFK$_{136}$.R/2

0.9449

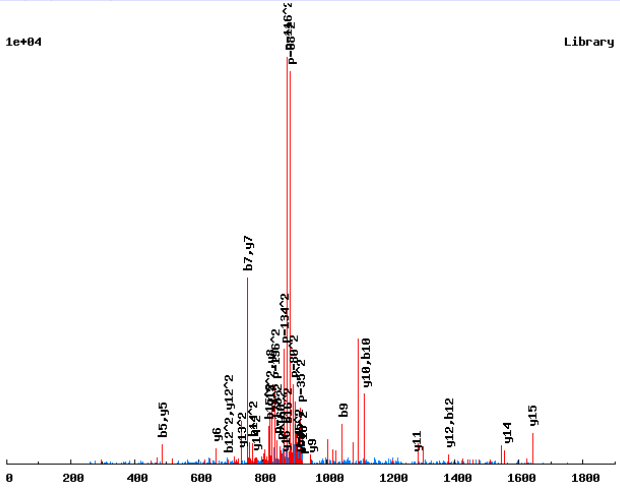


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	10		
234.1692	117.5882	2	P	9	1093.5420	**547.2747**
401.1676	201.0874	3	S[167]	8	**996.4893**	**498.7483**
514.2516	257.6295	4	L	7	**829.4909**	**415.2491**
585.2887	293.1480	5	A	6	**716.4068**	**358.7071**
714.3313	**357.6693**	6	E	5	645.3697	323.1885
815.3790	408.1931	7	T	4	**516.3271**	258.6672
928.4631	464.7352	8	L	3	**415.2795**	208.1434
1075.5315	**538.2694**	9	F	2	**302.1954**	151.6013
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.KPSSSPS$_{167}$S$_{167}$KAPS$_{167}$PGVNT.-/2

0.7556

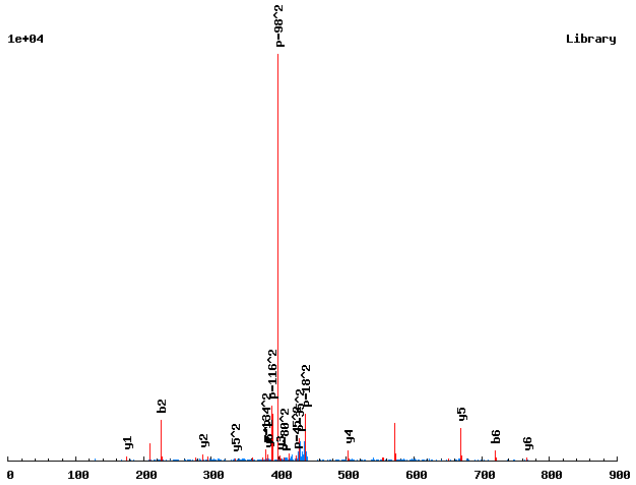


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	17		
226.1550	113.5811	2	P	16	1739.6326	**870.3199**
313.1870	157.0972	3	S	15	**1642.5798**	**821.7936**
400.2191	200.6132	4	S	14	**1555.5478**	**778.2775**
487.2511	244.1292	5	S	13	1468.5158	**734.7615**
584.3039	292.6556	6	P	12	**1381.4838**	**691.2455**
751.3022	376.1547	7	S[167]	11	**1284.4310**	642.7191
918.3006	459.6539	8	S[167]	10	**1117.4326**	559.2200
1046.3955	523.7014	9	K	9	**950.4343**	475.7208
1117.4326	559.2200	10	A	8	**822.3393**	411.6733
1214.4854	607.7463	11	P	7	**751.3022**	376.1547
1381.4838	**691.2455**	12	S[167]	6	**654.2494**	327.6284
1478.5365	739.7719	13	P	5	**487.2511**	244.1292
1535.5580	**768.2826**	14	G	4	390.1983	195.6028
1634.6264	**817.8168**	15	V	3	333.1769	167.0921
1748.6693	**874.8383**	16	N	2	234.1085	117.5579
		17	T	1	120.0655	60.5364

Annotated spectra from Saleem et. al. 2009

R.KPS$_{167}$TLLR.K/2

0.7449

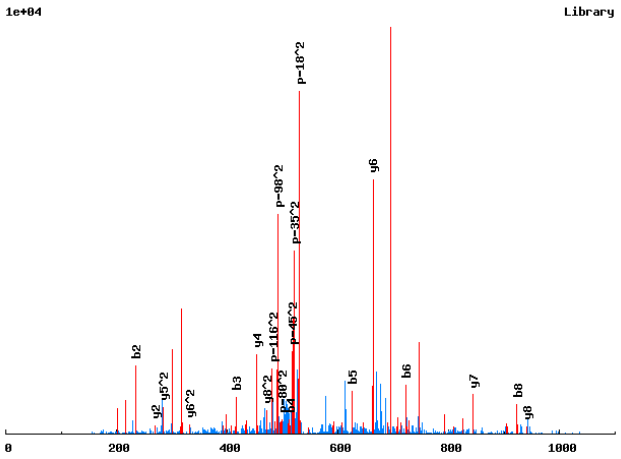


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	7		
226.1550	113.5811	2	P	6	**766.3859**	**383.6966**
393.1534	197.0803	3	S[167]	5	**669.3331**	**335.1702**
494.2010	247.6042	4	T	4	**502.3347**	251.6710
607.2851	304.1462	5	L	3	**401.2871**	201.1472
720.3692	360.6882	6	L	2	**288.2030**	144.6051
		7	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$PT$_{181}$PLPSLK$_{136}$.D/2

0.949

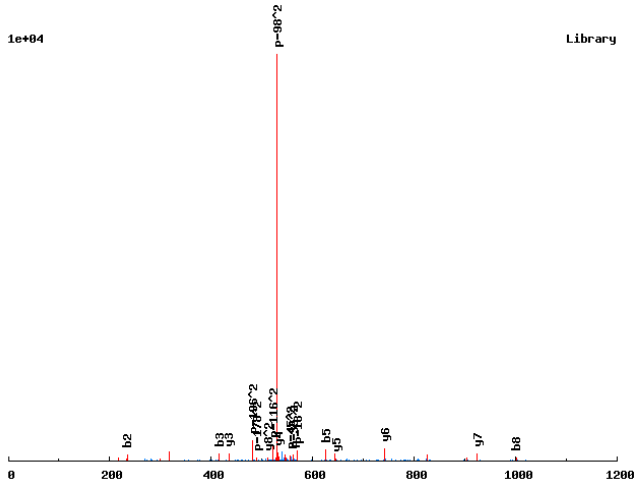


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	9		
234.1692	117.5882	2	P	8	**940.4994**	**470.7534**
415.1832	208.0952	3	T[181]	7	**843.4467**	422.2270
512.2360	256.6216	4	P	6	**662.4327**	**331.7200**
625.3200	313.1637	5	L	5	565.3799	**283.1936**
722.3728	361.6900	6	P	4	**452.2958**	226.6516
809.4048	405.2061	7	S	3	355.2431	178.1252
922.4889	461.7481	8	L	2	**268.2111**	134.6092
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$PT$_{181}$PLPS$_{167}$LK$_{136}$.D/2

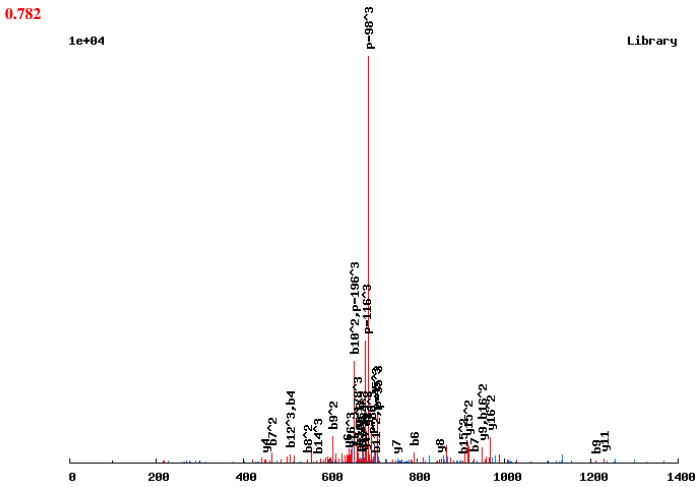
0.9941



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	9		
234.1692	117.5882	2	P	8	1020.4658	**510.7365**
415.1832	208.0952	3	T[181]	7	**923.4130**	462.2101
512.2360	256.6216	4	P	6	**742.3990**	371.7031
625.3200	313.1637	5	L	5	**645.3462**	323.1768
722.3728	361.6900	6	P	4	**532.2622**	266.6347
889.3712	445.1892	7	S[167]	3	**435.2094**	218.1083
1002.4552	501.7312	8	L	2	268.2111	134.6092
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.KPTT$_{181}$RQHS$_{167}$NPTISTTSNK.I/3

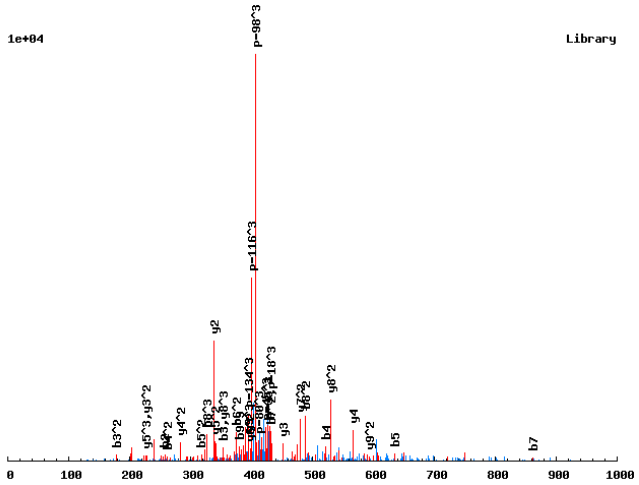


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	18			
226.1550	113.5811	76.0565	2	P	17	2029.8740	1015.4406	**677.2962**
327.2027	164.1050	109.7391	3	T	16	1932.8212	**966.9143**	**644.9453**
508.2167	254.6120	170.0771	4	T[181]	15	1831.7736	**916.3904**	611.2627
664.3178	332.6625	222.1108	5	R	14	1650.7595	825.8834	550.9247
792.3764	396.6918	264.7970	6	Q	13	1494.6584	747.8329	498.8910
929.4353	**465.2213**	310.4833	7	H	12	1366.5999	**683.8036**	456.2048
1096.4337	**548.7205**	366.1494	8	S[167]	11	**1229.5409**	615.2741	410.5185
1210.4766	**605.7419**	404.1637	9	N	10	1062.5426	531.7749	354.8524
1307.5293	**654.2683**	436.5146	10	P	9	**948.4996**	474.7535	316.8381
1408.5770	**704.7922**	470.1972	11	T	8	**851.4469**	426.2271	284.4872
1521.6611	761.3342	**507.8919**	12	I	7	**750.3992**	375.7032	250.8046
1608.6931	804.8502	536.9026	13	S	6	**637.3152**	319.1612	213.1099
1709.7408	855.3740	**570.5851**	14	T	5	550.2831	275.6452	184.0992
1810.7885	**905.8979**	604.2677	15	T	4	**449.2354**	225.1214	150.4167
1897.8205	**949.4139**	633.2784	16	S	3	348.1878	174.5975	116.7341
2011.8634	1006.4354	**671.2927**	17	N	2	261.1557	131.0815	87.7234
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KQPS$_{167}$LNNIYR.G/3

0.6358

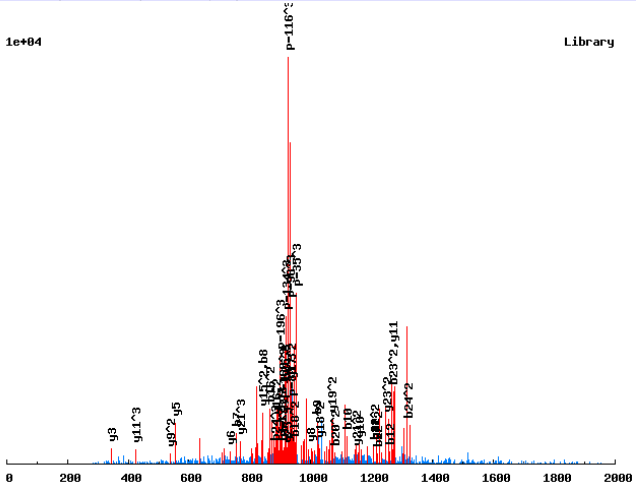


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	10			
257.1608	129.0840	86.3918	2	Q	9	1184.5460	**592.7766**	**395.5202**
354.2136	**177.6104**	118.7427	3	P	8	1056.4874	**528.7473**	**352.8340**
521.2119	**261.1096**	174.4088	4	S[167]	7	959.4346	**480.2210**	320.4831
634.2960	**317.6516**	212.1035	5	L	6	792.4363	**396.7218**	264.8169
748.3389	**374.6731**	250.1178	6	N	5	679.3522	**340.1797**	**227.1223**
862.3819	**431.6946**	288.1321	7	N	4	**565.3093**	**283.1583**	189.1079
975.4659	**488.2366**	**325.8268**	8	I	3	**451.2663**	**226.1368**	151.0936
1138.5293	569.7683	**380.1813**	9	Y	2	**338.1823**	169.5948	113.3989
			10	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.KQQPTGDST$_{181}$PSGTAT$_{181}$NSAVS$_{167}$T$_{181}$PLTPK.I/3

0.7778

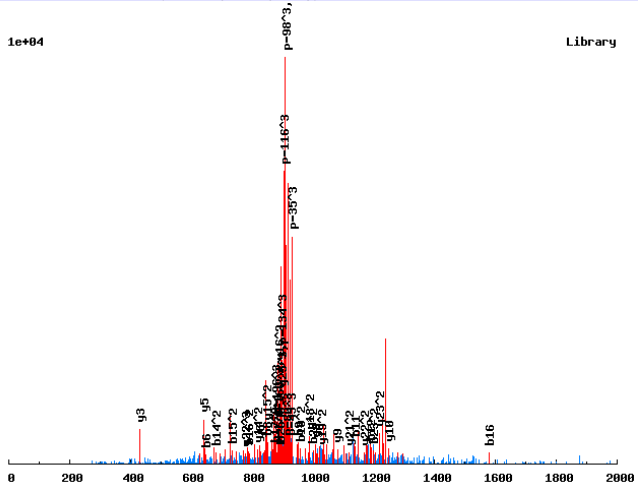


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	26			
257.1608	129.0840	86.3918	2	Q	25	2763.0600	1382.0336	**921.6915**
385.2194	193.1133	129.0780	3	Q	24	2635.0014	1318.0044	879.0053
482.2722	241.6397	161.4289	4	P	23	2506.9428	**1253.9751**	836.3191
583.3198	292.1636	195.1115	5	T	22	2409.8901	**1205.4487**	803.9682
640.3413	320.6743	214.1186	6	G	21	2308.8424	**1154.9248**	**770.2857**
755.3682	378.1878	252.4609	7	D	20	2251.8209	1126.4141	751.2785
842.4003	421.7038	281.4716	8	S	19	2136.7940	**1068.9006**	712.9362
1023.4143	512.2108	341.8096	9	T[181]	18	2049.7620	**1025.3846**	683.9255
1120.4670	560.7372	374.1605	10	P	17	1868.7480	**934.8776**	623.5875
1207.4991	604.2532	403.1712	11	S	16	1771.6952	**886.3512**	591.2366
1264.5205	632.7639	422.1784	12	G	15	1684.6632	**842.8352**	562.2259
1365.5682	683.2877	455.8609	13	T	14	1627.6417	814.3245	543.2188
1436.6053	718.8063	479.5400	14	A	13	1526.5940	763.8007	509.5362
1617.6193	809.3133	539.8780	15	T[181]	12	1455.5569	728.2821	485.8572
1731.6623	**866.3348**	577.8923	16	N	11	**1274.5429**	637.7751	**425.5192**
1818.6943	**909.8508**	606.9030	17	S	10	**1160.5000**	580.7536	387.5048
1889.7314	**945.3693**	630.5820	18	A	9	1073.4680	**537.2376**	358.4942
1988.7998	994.9035	663.6048	19	V	8	**1002.4308**	501.7191	334.8151
2155.7982	**1078.4027**	719.2709	20	S[167]	7	**903.3624**	452.1849	301.7923
2336.8122	1168.9097	779.6089	21	T[181]	6	**736.3641**	368.6857	246.1262
2433.8649	**1217.4361**	811.9598	22	P	5	**555.3501**	278.1787	185.7882
2546.9490	**1273.9781**	849.6545	23	L	4	458.2973	229.6523	153.4373
2647.9967	**1324.5020**	**883.3371**	24	T	3	**345.2132**	173.1103	115.7426
2745.0494	1373.0284	**915.6880**	25	P	2	244.1656	122.5864	82.0600
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$QQPTGDSTPSGTATNS$_{167}$AVST$_{181}$PLT$_{181}$PK$_{136}$.I/3

0.9969

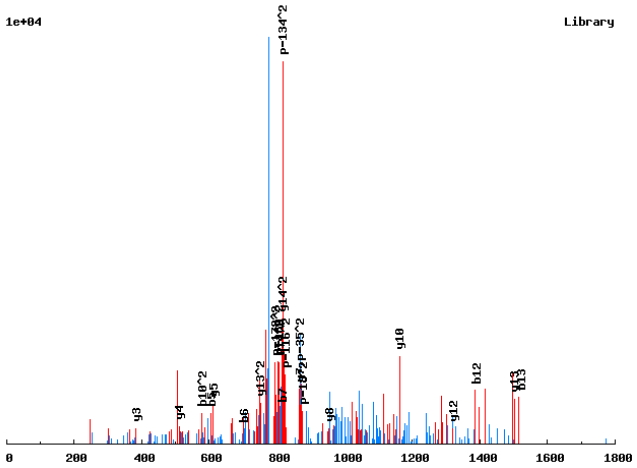


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	26			
265.1750	133.0911	89.0632	2	Q	25	2691.1079	1346.0576	**897.7075**
393.2336	197.1204	131.7494	3	Q	24	2563.0493	1282.0283	855.0213
490.2864	245.6468	164.1003	4	P	23	2434.9907	**1217.9990**	812.3351
591.3340	296.1707	197.7829	5	T	22	2337.9380	**1169.4726**	**779.9842**
648.3555	324.6814	216.7900	6	G	21	2236.8903	**1118.9488**	746.3016
763.3824	382.1949	255.1323	7	D	20	2179.8688	1090.4380	727.2945
850.4145	425.7109	284.1430	8	S	19	2064.8419	**1032.9246**	688.9521
951.4621	476.2347	317.8256	9	T	18	1977.8098	**989.4086**	659.9415
1048.5149	524.7611	350.1765	10	P	17	1876.7622	938.8847	626.2589
1135.5469	568.2771	379.1872	11	S	16	1779.7094	**890.3583**	593.9080
1192.5684	596.7878	398.1943	12	G	15	1692.6774	**846.8423**	564.8973
1293.6161	647.3117	431.8769	13	T	14	1635.6559	**818.3316**	545.8902
1364.6532	**682.8302**	455.5559	14	A	13	1534.6082	767.8078	512.2076
1465.7009	**733.3541**	489.2385	15	T	12	1463.5711	732.2892	488.5286
1579.7438	**790.3755**	527.2528	16	N	11	1362.5234	681.7654	454.8460
1746.7422	**873.8747**	582.9189	17	S[167]	10	**1248.4805**	624.7439	416.8317
1817.7793	**909.3933**	606.5979	18	A	9	**1081.4822**	541.2447	361.1656
1916.8477	**958.9275**	639.6207	19	V	8	**1010.4450**	505.7262	337.4865
2003.8797	**1002.4435**	668.6314	20	S	7	**911.3766**	456.1920	304.4637
2184.8937	1092.9505	728.9694	21	T[181]	6	**824.3446**	412.6759	275.4531
2281.9465	1141.4769	761.3203	22	P	5	**643.3306**	322.1689	215.1151
2395.0305	**1198.0189**	799.0150	23	L	4	546.2778	273.6426	182.7641
2576.0446	1288.5259	859.3530	24	T[181]	3	**433.1938**	217.1005	145.0694
2673.0973	1337.0523	**891.7040**	25	P	2	252.1798	126.5935	84.7314
			26	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$QT$_{181}$ASPLSS$_{167}$STEEPK$_{136}$.K/2

0.8329

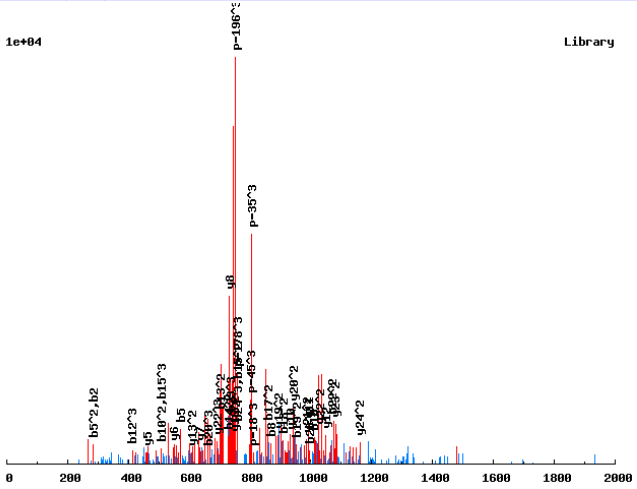


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	15		
265.1750	133.0911	2	Q	14	1629.6536	**815.3304**
446.1890	223.5982	3	T[181]	13	**1501.5950**	**751.3011**
517.2261	259.1167	4	A	12	**1320.5810**	660.7941
604.2582	302.6327	5	S	11	1249.5439	625.2756
701.3109	351.1591	6	P	10	**1162.5119**	581.7596
814.3950	407.7011	7	L	9	1065.4591	533.2332
901.4270	451.2172	8	S	8	**952.3750**	476.6912
1068.4254	534.7163	9	S[167]	7	**865.3430**	433.1751
1155.4574	**578.2323**	10	S	6	698.3446	349.6760
1256.5051	628.7562	11	T	5	**611.3126**	306.1599
1385.5477	693.2775	12	E	4	**510.2649**	255.6361
1514.5903	757.7988	13	E	3	**381.2223**	191.1148
1611.6430	**806.3252**	14	P	2	252.1798	126.5935
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.KRPTSPSISGS$_{167}$GS$_{167}$GGNSPSSSAGAR.Q/3

0.7339

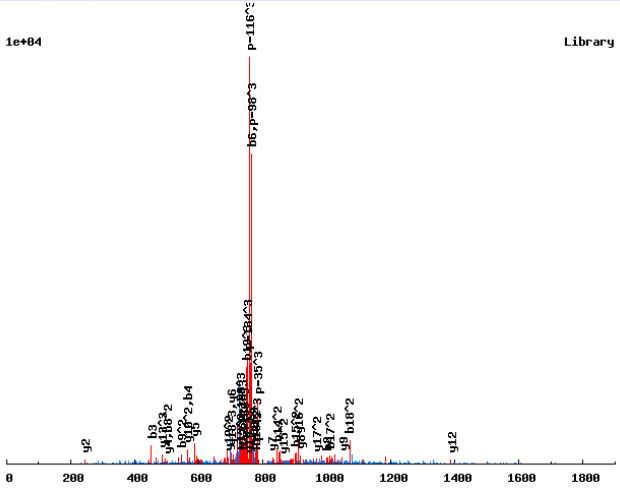


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	25			
285.2033	143.1053	95.7393	2	R	24	2320.9555	**1160.9814**	774.3233
382.2561	191.6317	128.0902	3	P	23	2164.8544	**1082.9308**	722.2896
483.3038	242.1555	161.7728	4	T	22	2067.8016	**1034.4044**	**689.9387**
570.3358	**285.6716**	190.7835	5	S	21	1966.7539	**983.8806**	656.2562
667.3886	334.1979	223.1344	6	P	20	1879.7219	**940.3646**	627.2455
754.4206	377.7139	252.1451	7	S	19	1782.6691	**891.8382**	594.8946
867.5047	434.2560	289.8397	8	I	18	1695.6371	848.3222	565.8839
954.5367	477.7720	318.8504	9	S	17	1582.5530	791.7802	528.1892
1011.5582	**506.2827**	337.8576	10	G	16	1495.5210	**748.2641**	499.1785
1178.5565	589.7819	393.5237	11	S[167]	15	1438.4995	719.7534	480.1714
1235.5780	618.2926	**412.5308**	12	G	14	1271.5012	636.2542	424.5052
1402.5763	**701.7918**	468.1970	13	S[167]	13	1214.4797	**607.7435**	405.4981
1459.5978	**730.3025**	487.2041	14	G	12	**1047.4814**	524.2443	349.8320
1516.6193	**758.8133**	**506.2113**	15	G	11	**990.4599**	495.7336	330.8248
1630.6622	815.8347	544.2256	16	N	10	**933.4384**	467.2229	311.8177
1717.6942	**859.3508**	573.2363	17	S	9	819.3955	410.2014	273.8034
1814.7470	**907.8771**	605.5872	18	P	8	**732.3635**	366.6854	244.7927
1901.7790	**951.3931**	634.5979	19	S	7	**635.3107**	318.1590	212.4418
1988.8110	**994.9092**	**663.6085**	20	S	6	**548.2787**	274.6430	183.4311
2075.8431	1038.4252	692.6192	21	S	5	**461.2467**	231.1270	154.4204
2146.8802	**1073.9437**	716.2982	22	A	4	374.2146	187.6110	125.4097
2203.9016	1102.4545	**735.3054**	23	G	3	303.1775	152.0924	101.7307
2274.9388	1137.9730	**758.9844**	24	A	2	246.1561	123.5817	82.7235
			25	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.KRS$_{167}$NPTS$_{167}$ASS$_{167}$SQSELSEQPK.N/3

0.8863

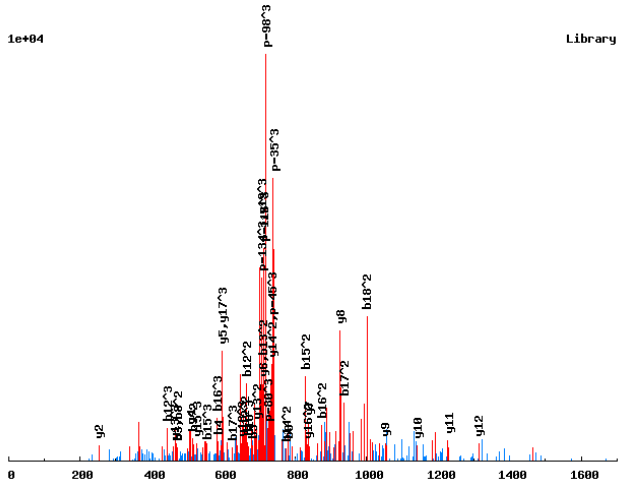


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	20			
285.2033	143.1053	95.7393	2	R	19	2259.8568	1130.4320	**753.9571**
452.2017	226.6045	151.4054	3	S[167]	18	2103.7556	1052.3815	**701.9234**
566.2446	283.6260	189.4197	4	N	17	1936.7573	**968.8823**	646.2573
663.2974	332.1523	221.7707	5	P	16	1822.7144	**911.8608**	608.2430
764.3451	382.6762	255.4532	6	T	15	1725.6616	**863.3344**	575.8921
931.3434	466.1754	311.1193	7	S[167]	14	1624.6139	812.8106	542.2095
1002.3806	**501.6939**	334.7984	8	A	13	1457.6156	**729.3114**	**486.5434**
1089.4126	**545.2099**	363.8090	9	S	12	**1386.5784**	**693.7929**	462.8643
1256.4109	628.7091	419.4752	10	S[167]	11	1299.5464	650.2768	433.8537
1343.4430	672.2251	448.4858	11	S	10	1132.5481	**566.7777**	378.1875
1471.5016	**736.2544**	491.1720	12	Q	9	**1045.5160**	523.2617	349.1769
1558.5336	**779.7704**	520.1827	13	S	8	**917.4574**	459.2324	306.4907
1687.5762	**844.2917**	563.1969	14	E	7	**830.4254**	415.7163	277.4800
1800.6602	**900.8338**	600.8916	15	L	6	**701.3828**	351.1951	234.4658
1887.6923	944.3498	629.9023	16	S	5	**588.2988**	294.6530	196.7711
2016.7349	**1008.8711**	672.9165	17	E	4	**501.2667**	251.1370	167.7604
2144.7934	**1072.9004**	715.6027	18	Q	3	372.2241	186.6157	124.7462
2241.8462	1121.4267	**747.9536**	19	P	2	**244.1656**	122.5864	82.0600
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$R$_{166}$S$_{167}$NPTSASSSQSELSEQPK$_{136}$.N/3

0.9999

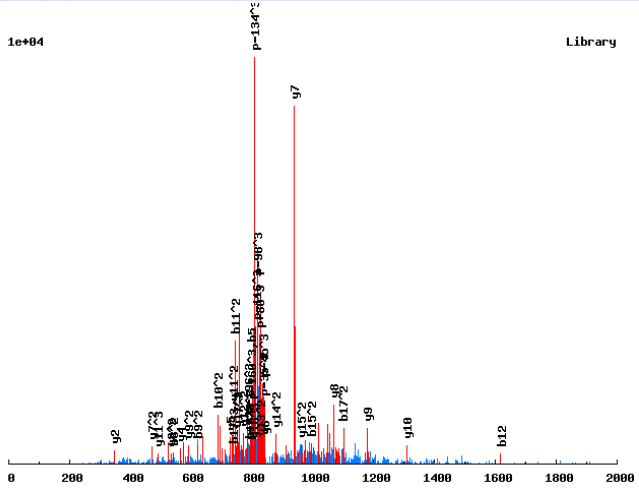


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	20			
303.2258	152.1165	101.7468	2	R[166]	19	2117.9466	1059.4769	**706.6537**
470.2242	235.6157	157.4129	3	S[167]	18	1951.8372	976.4222	**651.2839**
584.2671	292.6372	195.4272	4	N	17	1784.8388	892.9230	**595.6178**
681.3199	341.1636	227.7781	5	P	16	1670.7959	**835.9016**	557.6035
782.3675	391.6874	261.4607	6	T	15	1573.7431	787.3752	**525.2526**
869.3996	435.2034	290.4714	7	S	14	1472.6954	**736.8514**	491.5700
940.4367	**470.7220**	314.1504	8	A	13	1385.6634	**693.3353**	**462.5593**
1027.4687	**514.2380**	343.1611	9	S	12	**1314.6263**	**657.8168**	438.8803
1114.5007	557.7540	372.1718	10	S	11	**1227.5943**	614.3008	409.8696
1201.5328	601.2700	401.1824	11	S	10	**1140.5622**	570.7848	380.8589
1329.5914	**665.2993**	**443.8686**	12	Q	9	**1053.5302**	527.2687	351.8483
1416.6234	**708.8153**	472.8793	13	S	8	**925.4716**	463.2395	309.1621
1545.6660	**773.3366**	515.8935	14	E	7	**838.4396**	419.7234	280.1514
1658.7500	**829.8787**	**553.5882**	15	L	6	**709.3970**	355.2021	237.1372
1745.7821	**873.3947**	**582.5989**	16	S	5	**596.3130**	298.6601	199.4425
1874.8247	**937.9160**	**625.6131**	17	E	4	**509.2809**	255.1441	170.4318
2002.8832	**1001.9453**	**668.2993**	18	Q	3	380.2383	190.6228	127.4176
2099.9360	1050.4716	700.6502	19	P	2	**252.1798**	126.5935	84.7314
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$R$_{166}$SY$_{243}$S$_{167}$PNAYEIQPDYSEYR$_{166}$.R/3

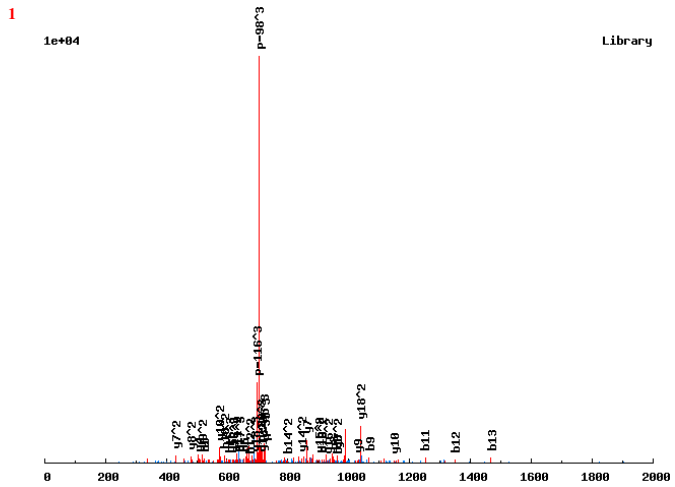
0.9769



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	19			
303.2258	152.1165	101.7468	2	R[166]	18	2417.9590	1209.4831	**806.6578**
390.2578	195.6326	130.7575	3	S	17	2251.8496	1126.4284	**751.2881**
633.2875	317.1474	211.7674	4	Y[243]	16	2164.8176	1082.9124	722.2774
800.2859	400.6466	267.4335	5	S[167]	15	1921.7879	**961.3976**	641.2675
897.3386	449.1730	299.7844	6	P	14	1754.7896	**877.8984**	585.6014
1011.3816	506.1944	337.7987	7	N	13	1657.7368	**829.3720**	553.2505
1082.4187	**541.7130**	361.4777	8	A	12	1543.6939	**772.3506**	515.2361
1245.4820	**623.2446**	415.8322	9	Y	11	1472.6568	**736.8320**	**491.5571**
1374.5246	**687.7659**	458.8464	10	E	10	**1309.5934**	655.3004	437.2027
1487.6086	**744.3080**	496.5411	11	I	9	**1180.5508**	**590.7791**	394.1885
1615.6672	**808.3373**	539.2273	12	Q	8	**1067.4668**	**534.2370**	356.4938
1712.7200	856.8636	571.5782	13	P	7	**939.4082**	**470.2077**	313.8076
1827.7469	914.3771	609.9205	14	D	6	**842.3554**	421.6814	281.4567
1990.8103	**995.9088**	664.2749	15	Y	5	**727.3285**	364.1679	243.1144
2077.8423	1039.4248	693.2856	16	S	4	**564.2652**	282.6362	188.7599
2206.8849	**1103.9461**	**736.2998**	17	E	3	477.2331	239.1202	159.7492
2369.9482	1185.4777	**790.6543**	18	Y	2	**348.1905**	174.5989	116.7350
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$SEGDEES$_{167}$DDAVDENDVK$_{136}$K$_{136}$.C/3

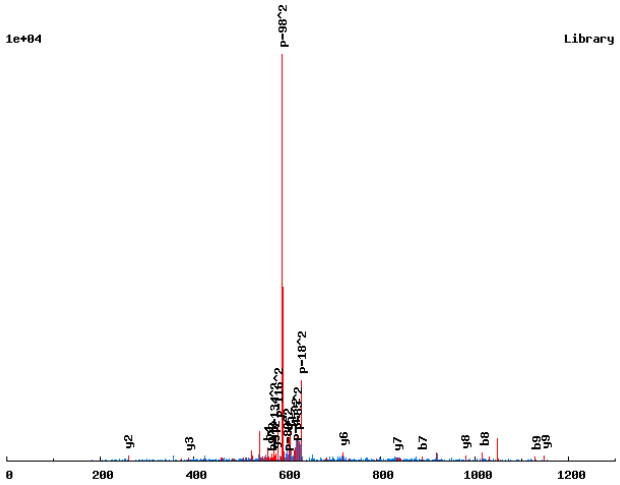


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	19			
224.1485	112.5779	75.3877	2	S	18	2076.8099	**1038.9086**	**692.9415**
353.1911	177.0992	118.4019	3	E	17	1989.7779	995.3926	663.9308
410.2125	205.6099	137.4090	4	G	16	1860.7353	**930.8713**	**620.9166**
525.2395	263.1234	175.7513	5	D	15	1803.7138	**902.3606**	601.9095
654.2820	327.6447	218.7655	6	E	14	1688.6869	**844.8471**	563.5672
783.3246	392.1660	261.7797	7	E	13	1559.6443	780.3258	520.5530
950.3230	475.6651	317.4459	8	S[167]	12	1430.6017	**715.8045**	477.5388
1065.3499	533.1786	355.7882	9	D	11	1263.6034	**632.3053**	421.8726
1180.3769	**590.6921**	394.1305	10	D	10	**1148.5764**	**574.7919**	383.5303
1251.4140	626.2106	417.8095	11	A	9	**1033.5495**	**517.2784**	345.1880
1350.4824	**675.7448**	450.8323	12	V	8	**962.5124**	**481.7598**	321.5090
1465.5093	733.2583	489.1746	13	D	7	**863.4440**	**432.2256**	288.4862
1594.5519	**797.7796**	532.1888	14	E	6	748.4170	374.7122	250.1439
1708.5949	854.8011	570.2031	15	N	5	**619.3744**	310.1909	207.1297
1823.6218	**912.3145**	**608.5455**	16	D	4	**505.3315**	253.1694	169.1154
1922.6902	**961.8487**	**641.5683**	17	V	3	390.3046	195.6559	130.7730
2058.7994	1029.9033	686.9380	18	K[136]	2	291.2362	146.1217	97.7502
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.KS$_{167}$FDDTIELK.K/2

0.5915

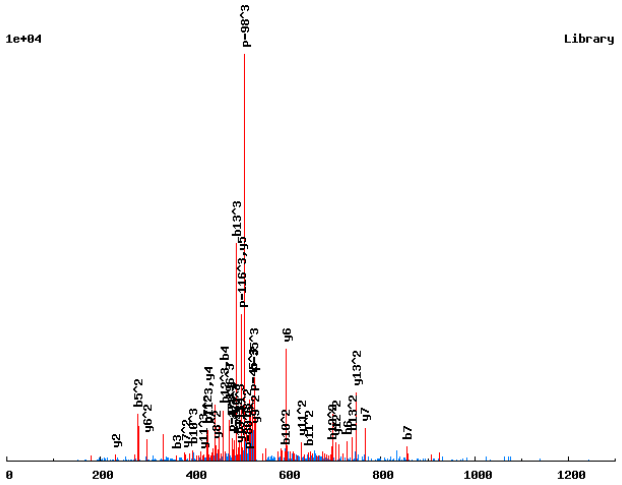


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	10		
296.1006	148.5539	2	S[167]	9	**1147.4918**	**574.2496**
443.1690	222.0881	3	F	8	**980.4935**	490.7504
558.1960	279.6016	4	D	7	**833.4251**	417.2162
673.2229	337.1151	5	D	6	**718.3981**	359.7027
774.2706	387.6389	6	T	5	**603.3712**	302.1892
887.3546	444.1810	7	I	4	502.3235	251.6654
1016.3972	508.7023	8	E	3	**389.2394**	195.1234
1129.4813	**565.2443**	9	L	2	**260.1969**	130.6021
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.KSFTPS$_{167}$KS$_{167}$PAPVSK.K/3

0.9921

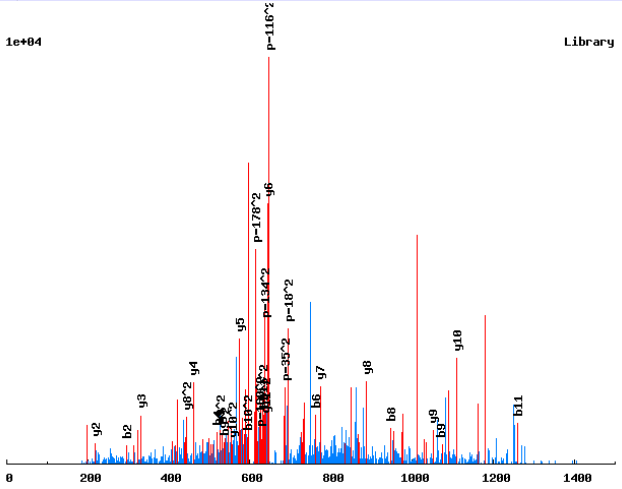


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	14			
216.1343	108.5708	72.7163	2	S	13	1492.6484	**746.8279**	**498.2210**
363.2027	182.1050	121.7391	3	F	12	1405.6164	**703.3118**	469.2103
464.2504	232.6288	155.4216	4	T	11	1258.5480	**629.7776**	**420.1875**
561.3031	**281.1552**	187.7726	5	P	10	1157.5003	579.2538	386.5050
728.3015	364.6544	243.4387	6	S[167]	9	1060.4476	**530.7274**	354.1540
856.3964	**428.7019**	286.1370	7	K	8	893.4492	**447.2282**	298.4879
1023.3948	**512.2010**	341.8031	8	S[167]	7	**765.3542**	**383.1808**	255.7896
1120.4476	560.7274	374.1540	9	P	6	**598.3559**	**299.6816**	200.1235
1191.4847	**596.2460**	**397.8331**	10	A	5	**501.3031**	251.1552	167.7726
1288.5374	**644.7724**	**430.1840**	11	P	4	**430.2660**	215.6366	144.0935
1387.6058	**694.3066**	**463.2068**	12	V	3	333.2132	167.1103	111.7426
1474.6379	**737.8226**	**492.2175**	13	S	2	**234.1448**	117.5761	78.7198
			14	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KS$_{167}$GS$_{167}$LEALQNAK.I/2

0.9996

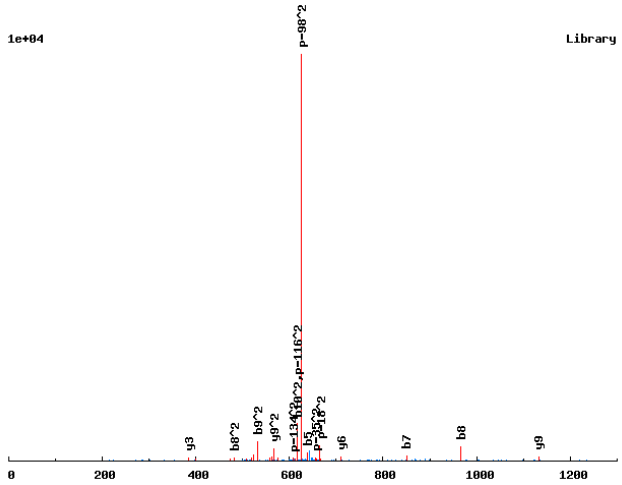


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
296.1006	148.5539	2	S[167]	11	1277.5174	**639.2624**
353.1221	177.0647	3	G	10	**1110.5191**	**555.7632**
520.1204	260.5639	4	S[167]	9	**1053.4976**	**527.2524**
633.2045	317.1059	5	L	8	**886.4992**	**443.7533**
762.2471	381.6272	6	E	7	**773.4152**	387.2112
833.2842	417.1457	7	A	6	**644.3726**	322.6899
946.3682	473.6878	8	L	5	**573.3355**	287.1714
1074.4268	**537.7171**	9	Q	4	**460.2514**	230.6293
1188.4698	**594.7385**	10	N	3	**332.1928**	166.6001
1259.5069	**630.2571**	11	A	2	**218.1499**	109.5786
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.KSHERPDDVS$_{167}$V.-/2

0.9998

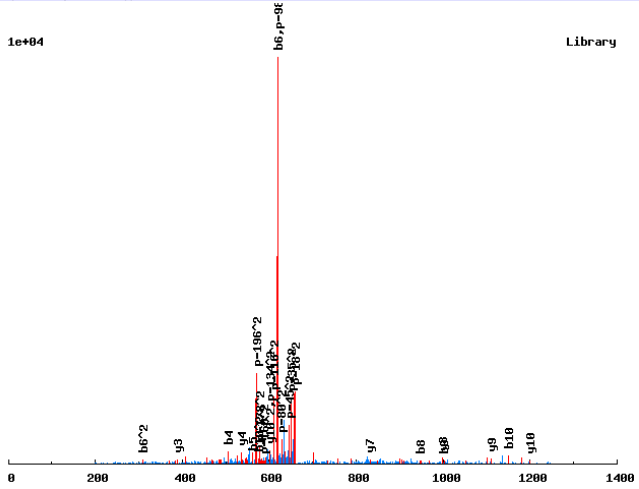


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
216.1343	108.5708	2	S	10	1220.4943	610.7508
353.1932	177.1002	3	H	9	**1133.4623**	**567.2348**
482.2358	241.6215	4	E	8	996.4034	498.7053
638.3369	319.6721	5	R	7	867.3608	434.1840
735.3896	368.1985	6	P	6	**711.2597**	356.1335
850.4166	425.7119	7	D	5	614.2069	307.6071
965.4435	**483.2254**	8	D	4	499.1800	250.0936
1064.5119	**532.7596**	9	V	3	**384.1530**	192.5802
1231.5103	**616.2588**	10	S[167]	2	285.0846	143.0459
		11	V	1	118.0862	59.5468

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$SIS$_{167}$GGT$_{181}$FGFR$_{166}$.S/2

0.9933

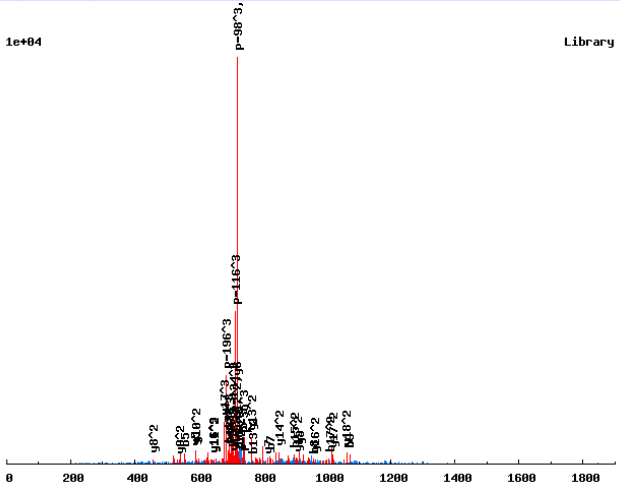


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	11		
224.1485	112.5779	2	S	10	**1198.4569**	**599.7321**
337.2325	169.1199	3	I	9	**1111.4249**	556.2161
504.2309	252.6191	4	S[167]	8	**998.3408**	499.6740
561.2524	281.1298	5	G	7	**831.3424**	416.1749
618.2738	**309.6405**	6	G	6	774.3210	387.6641
799.2878	400.1476	7	T[181]	5	717.2995	359.1534
946.3562	473.6818	8	F	4	**536.2855**	268.6464
1003.3777	502.1925	9	G	3	**389.2171**	195.1122
1150.4461	**575.7267**	10	F	2	332.1956	166.6015
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.KSLLDS$_{167}$PHDTS$_{167}$PVKETIAR.D/3

0.9726

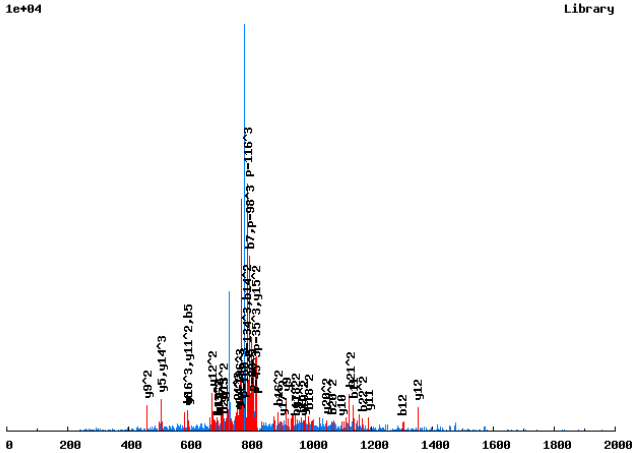


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	19			
216.1343	108.5708	72.7163	2	S	18	2125.9566	**1063.4820**	**709.3237**
329.2183	165.1128	110.4110	3	L	17	2038.9246	**1019.9659**	**680.3131**
442.3024	221.6548	148.1056	4	L	16	1925.8405	**963.4239**	**642.6184**
557.3293	279.1683	186.4480	5	D	15	1812.7565	**906.8819**	604.9237
724.3277	362.6675	242.1141	6	S[167]	14	1697.7295	**849.3684**	566.5814
821.3805	411.1939	274.4650	7	P	13	1530.7312	**765.8692**	510.9152
958.4394	479.7233	320.1513	8	H	12	1433.6784	**717.3428**	478.5643
1073.4663	537.2368	358.4936	9	D	11	1296.6195	**648.8134**	432.8780
1174.5140	587.7606	392.1762	10	T	10	1181.5926	**591.2999**	394.5357
1341.5123	671.2598	447.8423	11	S[167]	9	1080.5449	**540.7761**	360.8531
1438.5651	**719.7862**	480.1932	12	P	8	**913.5465**	**457.2769**	305.1870
1537.6335	**769.3204**	513.2160	13	V	7	**816.4938**	408.7505	272.8361
1665.7285	833.3679	555.9143	14	K	6	**717.4254**	359.2163	239.8133
1794.7711	**897.8892**	598.9285	15	E	5	**589.3304**	295.1688	197.1150
1895.8187	948.4130	632.6111	16	T	4	460.2878	230.6475	154.1008
2008.9028	**1004.9550**	670.3058	17	I	3	359.2401	180.1237	120.4182
2079.9399	1040.4736	**693.9848**	18	A	2	246.1561	123.5817	82.7235
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$SS$_{167}$FGSDGNTAYST$_{181}$PLNSPGLSK$_{136}$.L/3

0.8613

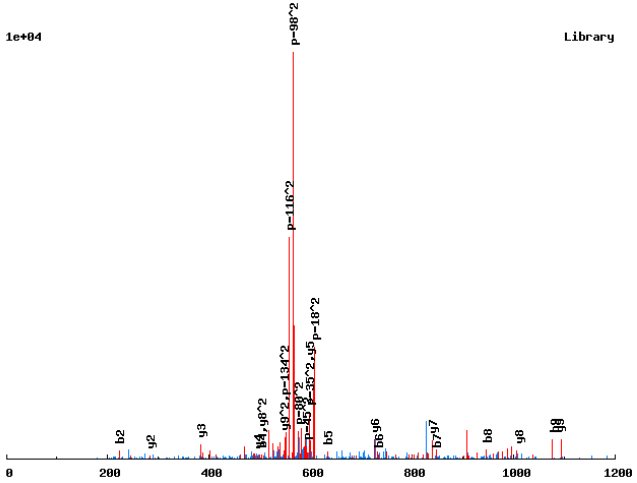


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	23			
224.1485	112.5779	75.3877	2	S	22	2354.9669	1177.9871	785.6605
391.1468	196.0771	131.0538	3	S[167]	21	2267.9348	1134.4711	**756.6498**
538.2152	269.6113	180.0766	4	F	20	2100.9365	**1050.9719**	700.9837
595.2367	298.1220	199.0838	5	G	19	1953.8681	**977.4377**	651.9609
682.2687	341.6380	228.0944	6	S	18	1896.8466	**948.9269**	632.9537
797.2957	399.1515	266.4367	7	D	17	1809.8146	**905.4109**	603.9430
854.3171	427.6622	285.4439	8	G	16	1694.7876	847.8975	565.6007
968.3601	484.6837	323.4582	9	N	15	1637.7662	**819.3867**	546.5936
1069.4077	535.2075	357.1408	10	T	14	1523.7232	**762.3653**	**508.5793**
1140.4448	570.7261	380.8198	11	A	13	1422.6756	**711.8414**	474.8967
1303.5082	652.2577	435.1742	12	Y	12	**1351.6385**	**676.3229**	451.2177
1390.5402	**695.7737**	464.1849	13	S	11	**1188.5751**	**594.7912**	396.8632
1571.5542	**786.2808**	524.5229	14	T[181]	10	**1101.5431**	551.2752	367.8526
1668.6070	834.8071	556.8738	15	P	9	**920.5291**	**460.7682**	307.5145
1781.6910	**891.3492**	**594.5685**	16	L	8	823.4763	412.2418	275.1636
1895.7340	**948.3706**	632.5828	17	N	7	**710.3923**	355.6998	237.4689
1982.7660	**991.8866**	661.5935	18	S	6	**596.3493**	298.6783	199.4546
2079.8188	1040.4130	**693.9444**	19	P	5	**509.3173**	255.1623	170.4440
2136.8402	**1068.9238**	**712.9516**	20	G	4	412.2645	206.6359	138.0930
2249.9243	**1125.4658**	750.6463	21	L	3	355.2431	178.1252	119.0859
2336.9563	**1168.9818**	779.6570	22	S	2	242.1590	121.5832	81.3912
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$SS$_{167}$LETIVEK$_{136}$.K/2

0.9971

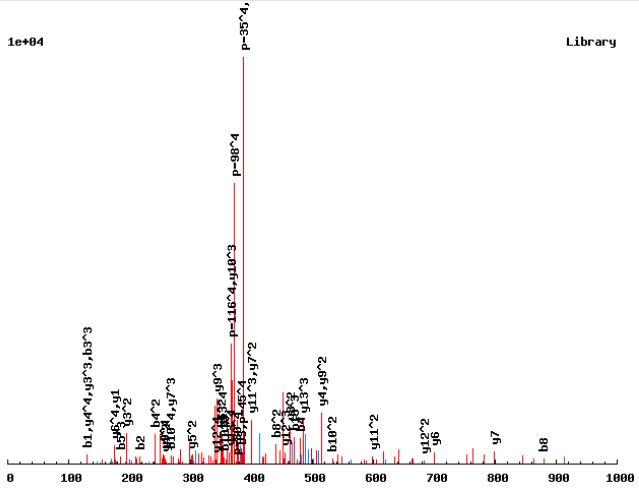


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	10		
224.1485	112.5779	2	S	9	1093.5268	547.2670
391.1468	196.0771	3	S[167]	8	1006.4948	503.7510
504.2309	252.6191	4	L	7	839.4964	420.2518
633.2735	317.1404	5	E	6	726.4123	363.7098
734.3212	367.6642	6	T	5	597.3697	299.1885
847.4052	424.2063	7	I	4	496.3221	248.6647
946.4736	473.7405	8	V	3	383.2380	192.1226
1075.5162	538.2618	9	E	2	284.1696	142.5884
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.KSS$_{167}$PATKVPSKPDR.N/4

0.8263

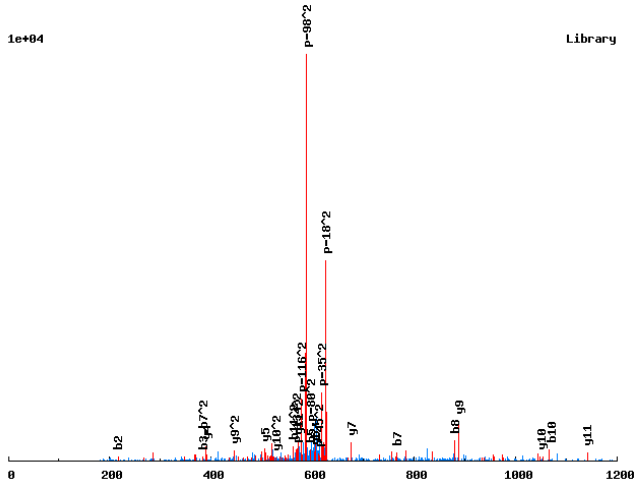


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
129.1022	65.0548	43.7056	33.0310	**1**	**K**	**14**				
216.1343	108.5708	72.7163	54.7890	**2**	**S**	**13**	1449.7097	725.3585	**483.9081**	**363.1829**
383.1326	192.0700	**128.3824**	96.5386	**3**	**S[167]**	**12**	1362.6777	**681.8425**	**454.8974**	**341.4249**
480.1854	**240.5963**	160.7333	120.8018	**4**	**P**	**11**	1195.6793	**598.3433**	**399.2313**	299.6753
551.2225	276.1149	**184.4124**	138.5611	**5**	**A**	**10**	1098.6266	549.8169	**366.8804**	275.4121
652.2702	326.6387	218.0949	163.8230	**6**	**T**	**9**	1027.5894	**514.2984**	**343.2013**	**257.6528**
780.3651	390.6862	260.7932	195.8467	**7**	**K**	**8**	926.5418	**463.7745**	309.5188	232.3909
879.4336	**440.2204**	293.8160	220.6138	**8**	**V**	**7**	**798.4468**	**399.7270**	**266.8205**	200.3672
976.4863	488.7468	326.1670	244.8770	**9**	**P**	**6**	**699.3784**	**350.1928**	233.7977	**175.6001**
1063.5183	**532.2628**	**355.1776**	**266.6350**	**10**	**S**	**5**	602.3256	**301.6665**	201.4467	151.3369
1191.6133	596.3103	397.8760	298.6588	**11**	**K**	**4**	**515.2936**	**258.1504**	172.4361	**129.5789**
1288.6661	644.8367	430.2269	322.9220	**12**	**P**	**3**	**387.1986**	**194.1030**	**129.7377**	97.5551
1403.6930	702.3501	**468.5692**	**351.6787**	**13**	**D**	**2**	290.1459	145.5766	97.3868	73.2919
				14	**R**	**1**	**175.1190**	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

R.KSS$_{167}$PDAVDSVGK.N/2

0.9969

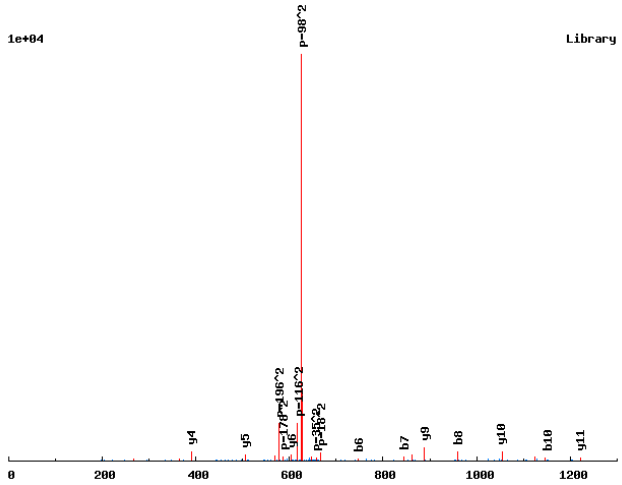


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
216.1343	108.5708	2	S	11	**1141.4773**	**571.2423**
383.1326	192.0700	3	S[167]	10	**1054.4452**	**527.7263**
480.1854	240.5963	4	P	9	**887.4469**	**444.2271**
595.2123	298.1098	5	D	8	790.3941	395.7007
666.2494	333.6284	6	A	7	**675.3672**	338.1872
765.3179	**383.1626**	7	V	6	**604.3301**	302.6687
880.3448	440.6760	8	D	5	**505.2616**	253.1345
967.3768	484.1921	9	S	4	**390.2347**	195.6210
1066.4452	533.7263	10	V	3	303.2027	152.1050
1123.4667	**562.2370**	11	G	2	204.1343	102.5708
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.KS$_{167}$S$_{167}$PDAVDSVGK.N/2

0.9999

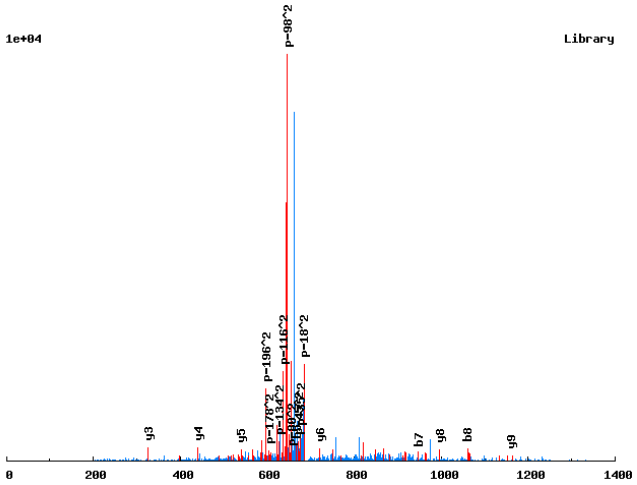


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
296.1006	148.5539	2	S[167]	11	**1221.4436**	611.2254
463.0990	232.0531	3	S[167]	10	**1054.4452**	527.7263
560.1517	280.5795	4	P	9	**887.4469**	444.2271
675.1787	338.0930	5	D	8	790.3941	395.7007
746.2158	373.6115	6	A	7	675.3672	338.1872
845.2842	423.1457	7	V	6	**604.3301**	302.6687
960.3111	480.6592	8	D	5	**505.2616**	253.1345
1047.3432	524.1752	9	S	4	**390.2347**	195.6210
1146.4116	573.7094	10	V	3	303.2027	152.1050
1203.4330	602.2202	11	G	2	204.1343	102.5708
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$SS$_{167}$YIT$_{181}$VDGIK$_{136}$.Q/2

0.9711

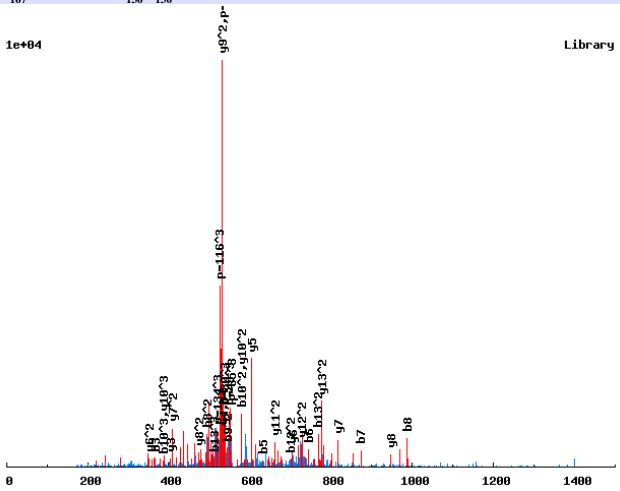


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	11		
224.1485	112.5779	2	S	10	1250.5197	625.7635
391.1468	196.0771	3	S[167]	9	**1163.4876**	582.2475
554.2102	277.6087	4	Y	8	**996.4893**	498.7483
667.2942	334.1508	5	I	7	833.4259	417.2166
848.3082	424.6578	6	T[181]	6	**720.3419**	360.6746
947.3766	474.1920	7	V	5	**539.3279**	270.1676
1062.4036	531.7054	8	D	4	**440.2595**	220.6334
1119.4250	560.2162	9	G	3	**325.2325**	163.1199
1232.5091	616.7582	10	I	2	268.2111	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$TES$_{167}$PLENVAELK$_{136}$K$_{136}$.E/3

0.9993

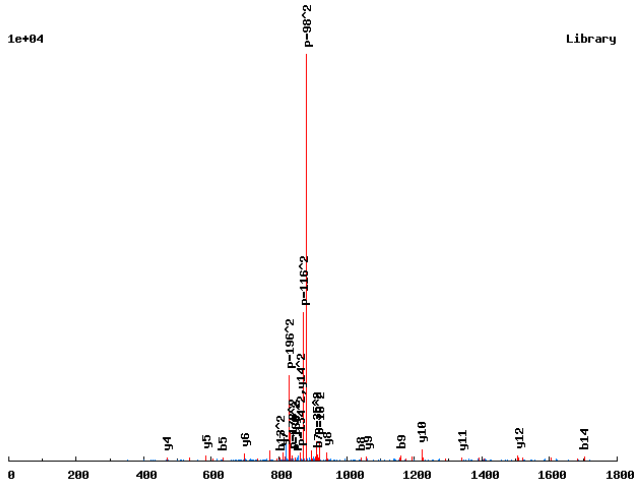


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	14			
238.1641	119.5857	80.0596	2	T	13	1553.7793	**777.3933**	518.5980
367.2067	184.1070	123.0738	3	E	12	1452.7316	**726.8694**	484.9154
534.2051	267.6062	178.7399	4	S[167]	11	1323.6890	**662.3482**	441.9012
631.2578	316.1326	211.0908	5	P	10	1156.6907	**578.8490**	**386.2351**
744.3419	372.6746	248.7855	6	L	9	1059.6379	**530.3226**	353.8842
873.3845	437.1959	291.7997	7	E	8	**946.5538**	**473.7806**	316.1895
987.4274	**494.2173**	329.8140	8	N	7	**817.5113**	**409.2593**	273.1753
1086.4958	**543.7516**	362.8368	9	V	6	**703.4683**	**352.2378**	235.1610
1157.5329	**579.2701**	**386.5158**	10	A	5	**604.3999**	302.7036	202.1382
1286.5755	643.7914	429.5300	11	E	4	**533.3628**	267.1850	178.4591
1399.6596	**700.3334**	467.2247	12	L	3	**404.3202**	202.6637	135.4449
1535.7687	**768.3880**	**512.5944**	13	K[136]	2	291.2362	146.1217	97.7502
			14	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.K$_{136}$TLS$_{167}$DS$_{167}$DEDDDDVVK$_{136}$.K/2

0.9999

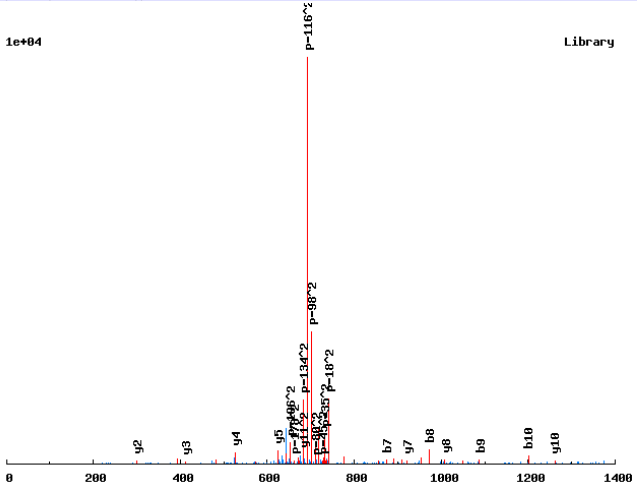


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	15		
238.1641	119.5857	2	T	14	1720.5965	**860.8019**
351.2482	176.1277	3	L	13	1619.5488	810.2781
518.2465	259.6269	4	S[167]	12	**1506.4648**	753.7360
633.2735	317.1404	5	D	11	**1339.4664**	670.2368
800.2718	400.6396	6	S[167]	10	**1224.4395**	612.7234
915.2988	458.1530	7	D	9	**1057.4411**	529.2242
1044.3414	522.6743	8	E	8	**942.4142**	471.7107
1159.3683	580.1878	9	D	7	**813.3716**	407.1894
1274.3953	637.7013	10	D	6	**698.3446**	349.6760
1389.4222	695.2147	11	D	5	**583.3177**	292.1625
1504.4491	752.7282	12	D	4	**468.2908**	234.6490
1603.5175	**802.2624**	13	V	3	353.2638	177.1355
1702.5860	851.7966	14	V	2	254.1954	127.6013
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$TS$_{167}$SSS$_{167}$QVNLNR$_{166}$.Y/2

0.9999

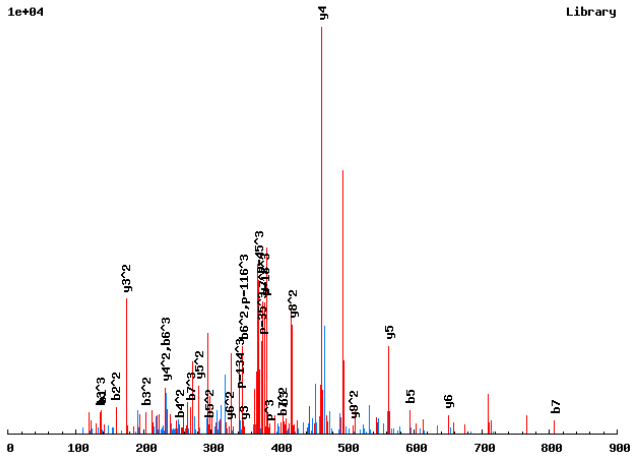


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	12		
238.1641	119.5857	2	T	11	1362.5326	**681.7699**
405.1625	203.0849	3	S[167]	10	**1261.4849**	631.2461
492.1945	246.6009	4	S	9	1094.4865	547.7469
579.2265	290.1169	5	S	8	**1007.4545**	504.2309
746.2249	373.6161	6	S[167]	7	**920.4225**	460.7149
874.2835	437.6454	7	Q	6	753.4241	377.2157
973.3519	487.1796	8	V	5	**625.3655**	313.1864
1087.3948	544.2011	9	N	4	**526.2971**	263.6522
1200.4789	600.7431	10	L	3	**412.2542**	206.6307
1314.5218	657.7645	11	N	2	**299.1701**	150.0887
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

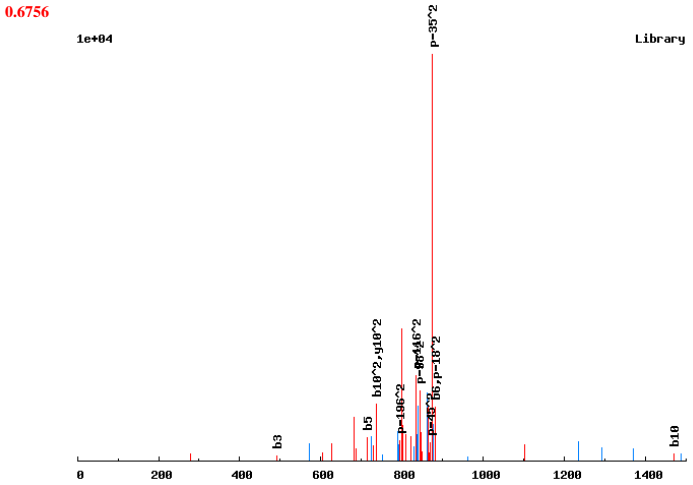
K.K$_{136}$T$_{181}$STSVDGK$_{136}$K$_{136}$.R/3

0.8078



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	**1**	**K[136]**	**10**			
318.1304	**159.5689**	106.7150	**2**	**T[181]**	**9**	1018.4787	**509.7430**	340.1644
405.1625	**203.0849**	**135.7257**	**3**	**S**	**8**	837.4647	**419.2360**	279.8264
506.2102	**253.6087**	169.4082	**4**	**T**	**7**	750.4327	**375.7200**	250.8157
593.2422	**297.1247**	198.4189	**5**	**S**	**6**	**649.3850**	**325.1961**	217.1332
692.3106	**346.6589**	**231.4417**	**6**	**V**	**5**	**562.3530**	**281.6801**	188.1225
807.3375	**404.1724**	**269.7840**	**7**	**D**	**4**	**463.2846**	**232.1459**	155.0997
864.3590	432.6831	288.7912	**8**	**G**	**3**	**348.2576**	**174.6324**	116.7574
1000.4682	500.7377	334.1609	**9**	**K[136]**	**2**	291.2362	146.1217	97.7502
			10	**K[136]**	**1**	155.1270	78.0671	52.3805

K.KT$_{181}$T$_{181}$GS$_{167}$S$_{167}$SS$_{167}$S$_{167}$S$_{167}$S$_{167}$K.K/2

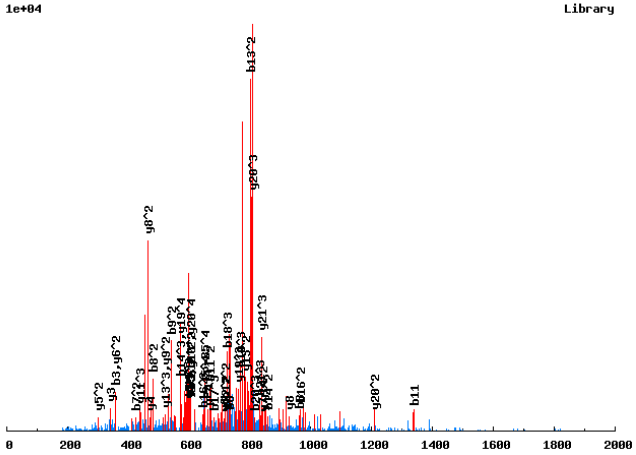


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
310.1163	155.5618	2	T[181]	11	1655.1845	828.0959
491.1303	246.0688	3	T[181]	10	1474.1705	**737.5889**
548.1517	274.5795	4	G	9	1293.1565	647.0819
715.1501	358.0787	5	S[167]	8	1236.1350	618.5711
882.1484	441.5779	6	S[167]	7	1069.1366	535.0720
969.1805	485.0939	7	S	6	902.1383	451.5728
1136.1788	568.5931	8	S[167]	5	815.1062	408.0568
1303.1772	652.0922	9	S[167]	4	648.1079	324.5576
1470.1756	**735.5914**	10	S[167]	3	481.1095	241.0584
1637.1739	819.0906	11	S[167]	2	314.1112	157.5592
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.KVEFTKDDDEEPS$_{167}$DSEDKEHGK.F/4

0.8423

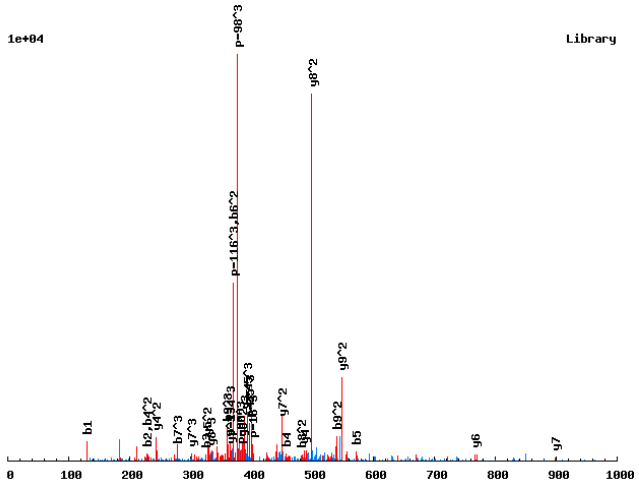


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
129.1022	65.0548	43.7056	33.0310	1	K	22				
228.1706	114.5890	76.7284	57.7981	2	V	21	2515.9984	1258.5028	**839.3377**	629.7551
357.2132	179.1103	119.7426	90.0588	3	E	20	2416.9300	**1208.9686**	**806.3148**	**604.9880**
504.2816	252.6445	168.7654	126.8259	4	F	19	2287.8874	1144.4473	**763.3007**	**572.7273**
605.3293	303.1683	202.4480	152.0878	5	T	18	2140.8190	1070.9131	714.2778	535.9602
733.4243	367.2158	245.1463	184.1115	6	K	17	2039.7713	1020.3893	680.5953	510.6983
848.4512	**424.7293**	283.4886	212.8683	7	D	16	1911.6763	956.3418	637.8970	478.6745
963.4782	**482.2427**	321.8309	241.6250	8	D	15	1796.6494	898.8283	**599.5547**	449.9178
1078.5051	**539.7562**	360.1732	270.3817	9	D	14	1681.6225	**841.3149**	561.2123	421.1611
1207.5477	**604.2775**	403.1874	302.6424	10	E	13	1566.5955	**783.8014**	**522.8700**	392.4043
1336.5903	**668.7988**	446.2016	334.9030	11	E	12	1437.5529	**719.2801**	479.8558	360.1437
1433.6431	**717.3252**	478.5525	359.1662	12	P	11	1308.5103	654.7588	**436.8416**	327.8830
1600.6414	**800.8243**	534.2187	400.9158	13	S[167]	10	1211.4576	**606.2324**	404.4907	303.6199
1715.6684	**858.3378**	**572.5610**	429.6725	14	D	9	1044.4592	**522.7332**	348.8246	261.8703
1802.7004	901.8538	**601.5716**	451.4306	15	S	8	**929.4323**	**465.2198**	310.4823	233.1135
1931.7430	**966.3751**	**644.5858**	483.6912	16	E	7	**842.4003**	421.7038	281.4716	211.3555
2046.7699	1023.8886	**682.9282**	512.4479	17	D	6	**713.3577**	**357.1825**	238.4574	179.0949
2174.8649	1087.9361	**725.6265**	544.4717	18	K	5	**598.3307**	**299.6690**	200.1151	150.3381
2303.9075	1152.4574	**768.6407**	576.7323	19	E	4	**470.2358**	235.6215	157.4168	118.3144
2440.9664	1220.9868	**814.3270**	610.9971	20	H	3	**341.1932**	171.1002	114.4026	86.0538
2497.9878	1249.4976	**833.3341**	625.2524	21	G	2	204.1343	102.5708	68.7163	51.7890
				22	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.KVPMDS$_{167}$PKLK.A/3

0.9773

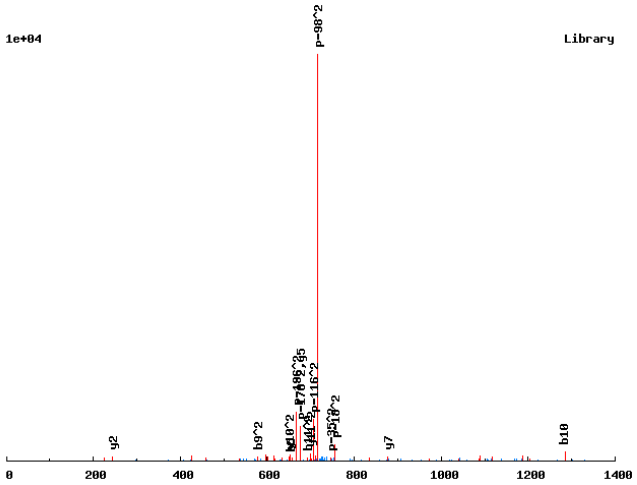


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	**1**	**K**	**10**			
228.1706	114.5890	76.7284	**2**	**V**	**9**	1094.5315	**547.7694**	**365.5154**
325.2234	163.1153	109.0793	**3**	**P**	**8**	995.4631	**498.2352**	**332.4926**
456.2639	**228.6356**	152.7595	**4**	**M**	**7**	**898.4104**	**449.7088**	**300.1416**
571.2908	286.1491	191.1018	**5**	**D**	**6**	**767.3699**	**384.1886**	256.4615
738.2892	**369.6482**	246.7679	**6**	**S[167]**	**5**	652.3429	**326.6751**	218.1192
835.3420	418.1746	**279.1188**	**7**	**P**	**4**	**485.3446**	**243.1759**	162.4530
963.4369	**482.2221**	321.8172	**8**	**K**	**3**	**388.2918**	194.6495	130.1021
1076.5210	**538.7641**	**359.5118**	**9**	**L**	**2**	260.1969	130.6021	87.4038
			10	**K**	**1**	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.KVS$_{167}$QESLHS$_{167}$QPK.K/2

0.9729

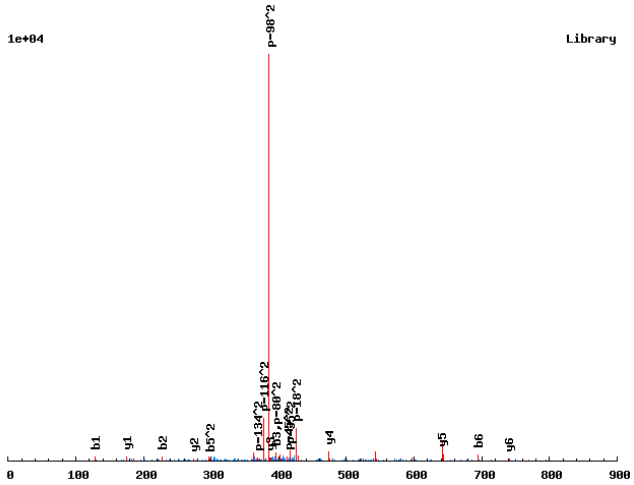


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	12		
228.1706	114.5890	2	V	11	1399.5654	**700.2864**
395.1690	198.0881	3	S[167]	10	1300.4970	**650.7522**
523.2276	262.1174	4	Q	9	1133.4987	567.2530
652.2702	326.6387	5	E	8	1005.4401	503.2237
739.3022	370.1547	6	S	7	**876.3975**	438.7024
852.3863	426.6968	7	L	6	789.3655	395.1864
989.4452	495.2262	8	H	5	**676.2814**	338.6443
1156.4435	**578.7254**	9	S[167]	4	539.2225	270.1149
1284.5021	642.7547	10	Q	3	372.2241	186.6157
1381.5549	**691.2811**	11	P	2	**244.1656**	122.5864
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.KVS$_{167}$SLVR.G/2

0.9953

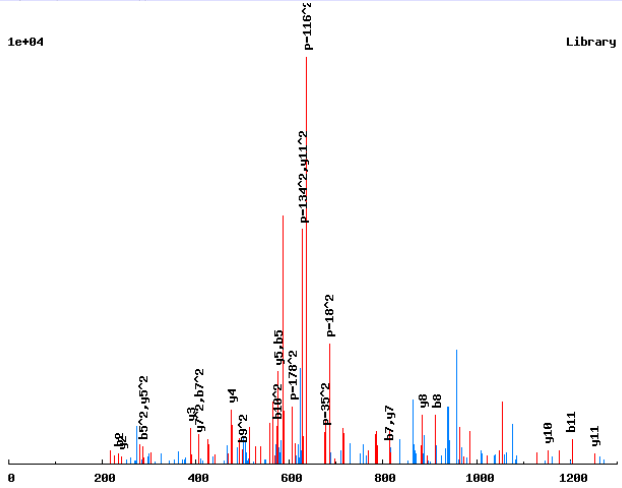


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	**1**	**K**	**7**		
228.1706	114.5890	**2**	**V**	**6**	**740.3702**	370.6888
395.1690	198.0881	**3**	**S[167]**	**5**	**641.3018**	321.1545
482.2010	241.6042	**4**	**S**	**4**	**474.3034**	237.6554
595.2851	**298.1462**	**5**	**L**	**3**	**387.2714**	194.1393
694.3535	347.6804	**6**	**V**	**2**	**274.1874**	137.5973
		7	**R**	**1**	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$VST$_{181}$AS$_{167}$AVSFGR$_{166}$.R/2

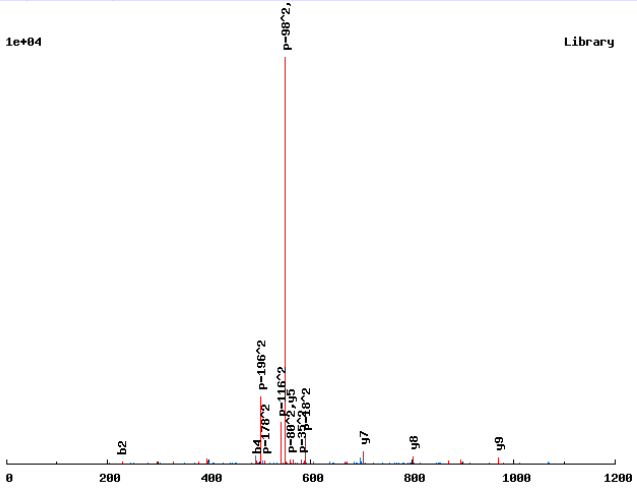
0.9361



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
137.1164	69.0619	1	K[136]	12		
236.1848	118.5961	2	V	11	**1251.5046**	**626.2559**
323.2169	162.1121	3	S	10	**1152.4362**	576.7217
504.2309	252.6191	4	T[181]	9	1065.4041	533.2057
575.2680	**288.1376**	5	A	8	**884.3901**	442.6987
742.2664	371.6368	6	S[167]	7	**813.3530**	**407.1801**
813.3035	**407.1554**	7	A	6	646.3546	323.6810
912.3719	456.6896	8	V	5	**575.3175**	**288.1624**
999.4039	**500.2056**	9	S	4	**476.2491**	238.6282
1146.4723	**573.7398**	10	F	3	**389.2171**	195.1122
1203.4938	602.2505	11	G	2	**242.1487**	121.5780
		12	R[166]	1	185.1272	93.0672

R.KVS$_{167}$VGSMGS$_{167}$GK.S/2

1

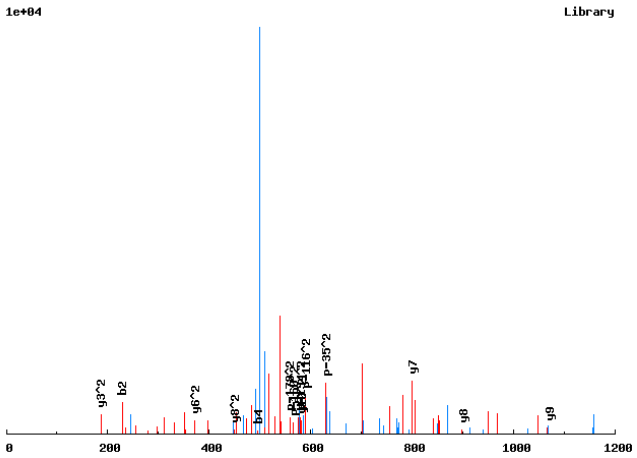


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
228.1706	114.5890	2	V	10	1068.3832	534.6953
395.1690	198.0881	3	S[167]	9	**969.3148**	485.1611
494.2374	247.6224	4	V	8	**802.3165**	401.6619
551.2589	276.1331	5	G	7	**703.2481**	352.1277
638.2909	319.6491	6	S	6	646.2266	323.6169
769.3314	385.1693	7	M	5	**559.1946**	280.1009
826.3529	413.6801	8	G	4	428.1541	214.5807
993.3512	497.1793	9	S[167]	3	371.1326	186.0700
1050.3727	525.6900	10	G	2	204.1343	102.5708
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.KVS$_{167}$VGS$_{167}$M$_{147}$GS$_{167}$GK.S/2

0.9236

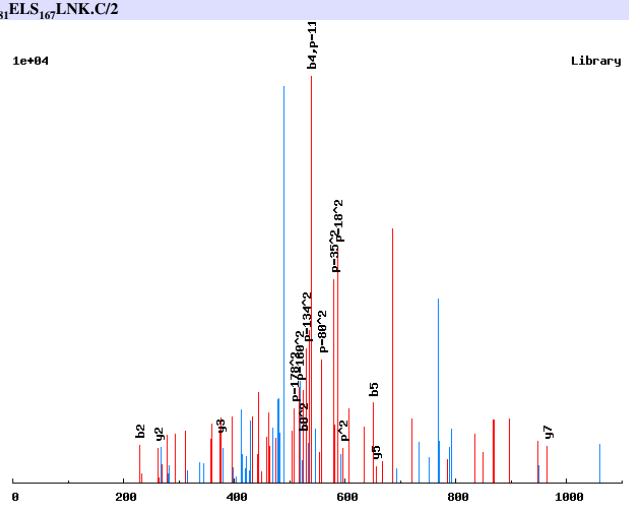


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	11		
228.1706	114.5890	2	V	10	1164.3445	**582.6759**
395.1690	198.0881	3	S[167]	9	**1065.2761**	533.1417
494.2374	247.6224	4	V	8	**898.2777**	**449.6425**
551.2589	276.1331	5	G	7	**799.2093**	400.1083
718.2572	359.6323	6	S[167]	6	742.1878	**371.5976**
865.2926	433.1500	7	M[147]	5	**575.1895**	288.0984
922.3141	461.6607	8	G	4	428.1541	214.5807
1089.3125	545.1599	9	S[167]	3	371.1326	**186.0700**
1146.3339	573.6706	10	G	2	204.1343	102.5708
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.KVT$_{181}$ELS$_{167}$LNK.C/2

0.9401

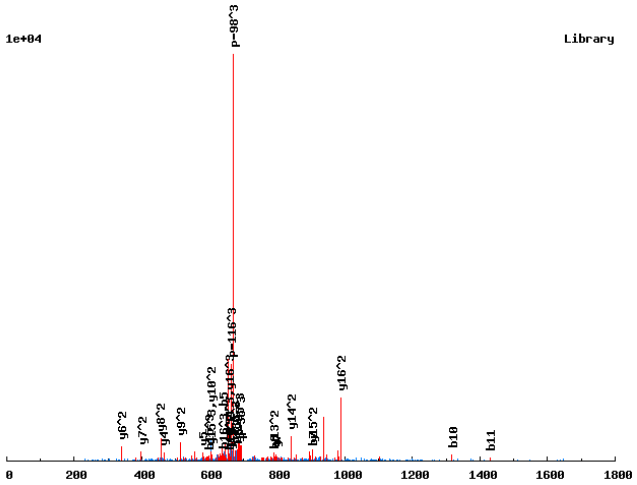


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	9		
228.1706	114.5890	2	V	8	1063.4472	532.2273
409.1847	205.0960	3	T[181]	7	**964.3788**	482.6930
538.2273	269.6173	4	E	6	783.3648	392.1860
651.3113	326.1593	5	L	5	**654.3222**	327.6647
818.3097	409.6585	6	S[167]	4	541.2382	271.1227
931.3937	466.2005	7	L	3	**374.2398**	187.6235
1045.4367	**523.2220**	8	N	2	**261.1557**	131.0815
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.K$_{136}$YEVNFDT$_{181}$DDDTDSGK$_{136}$R$_{166}$.N/3

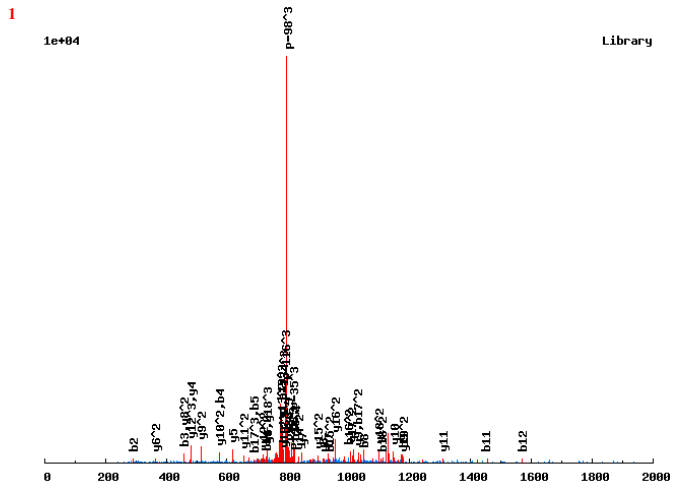
0.9999



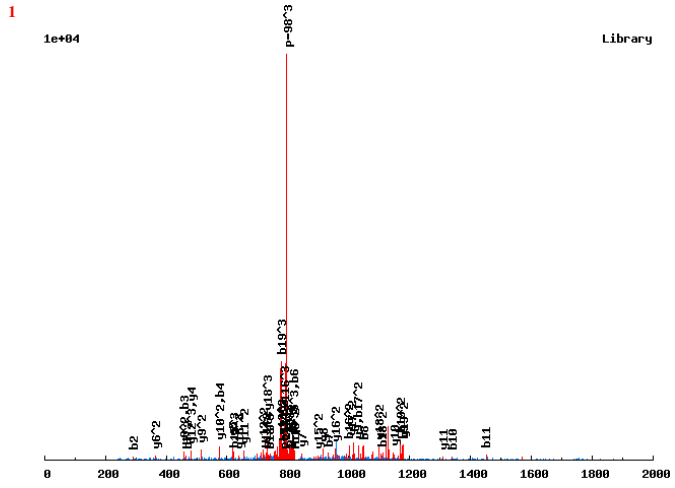
b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
137.1164	69.0619	46.3770	1	K[136]	17			
300.1798	150.5935	100.7314	2	Y	16	1974.7719	**987.8896**	**658.9288**
429.2224	215.1148	143.7456	3	E	15	1811.7086	**906.3579**	**604.5744**
528.2908	264.6490	176.7684	4	V	14	1682.6660	**841.8366**	561.5602
642.3337	321.6705	214.7828	5	N	13	1583.5976	**792.3024**	528.5374
789.4021	395.2047	263.8056	6	F	12	1469.5547	735.2810	490.5231
904.4290	452.7182	302.1479	7	D	11	1322.4863	**661.7468**	441.5003
1085.4431	543.2252	362.4859	8	T[181]	10	1207.4593	**604.2333**	403.1580
1200.4700	600.7386	400.8282	9	D	9	1026.4453	**513.7263**	342.8200
1315.4969	**658.2521**	439.1705	10	D	8	911.4184	**456.2128**	304.4776
1430.5239	715.7656	477.5128	11	D	7	**796.3914**	**398.6994**	266.1353
1531.5716	766.2894	511.1954	12	T	6	**681.3645**	**341.1859**	227.7930
1646.5985	823.8029	549.5377	13	D	5	**580.3168**	290.6620	194.1105
1733.6305	867.3189	578.5484	14	S	4	**465.2899**	233.1486	155.7681
1790.6520	895.8296	**597.5555**	15	G	3	378.2578	189.6326	126.7575
1926.7611	963.8842	**642.9252**	16	K[136]	2	321.2364	161.1218	107.7503
			17	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.KYS$_{167}$DNEDDEYDDADLHGFEK.K/3



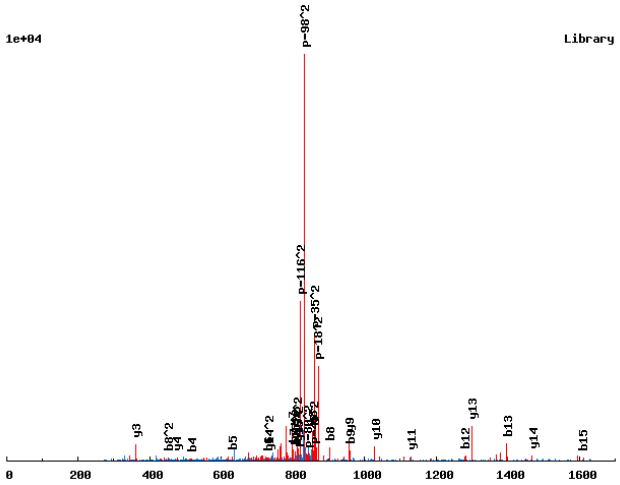
b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	20			
292.1656	146.5864	98.0600	2	Y	19	2356.8401	**1178.9237**	**786.2849**
459.1639	230.0856	153.7262	3	S[167]	18	2193.7768	**1097.3920**	**731.9304**
574.1909	287.5991	192.0685	4	D	17	2026.7784	**1013.8928**	676.2643
688.2338	344.6205	230.0828	5	N	16	1911.7515	**956.3794**	637.9220
817.2764	409.1418	273.0970	6	E	15	1797.7085	**899.3579**	599.9077
932.3033	466.6553	311.4393	7	D	14	1668.6660	**834.8366**	556.8935
1047.3303	524.1688	349.7816	8	D	13	1553.6390	**777.3231**	518.5512
1176.3729	588.6901	392.7958	9	E	12	1438.6121	**719.8097**	**480.2089**
1339.4362	670.2217	447.1503	10	Y	11	**1309.5695**	**655.2884**	437.1947
1454.4631	**727.7352**	485.4926	11	D	10	**1146.5062**	**573.7567**	382.8402
1569.4901	**785.2487**	523.8349	12	D	9	**1031.4792**	**516.2433**	344.4979
1640.5272	**820.7672**	547.5139	13	A	8	**916.4523**	**458.7298**	306.1556
1755.5541	878.2807	585.8562	14	D	7	**845.4152**	423.2112	282.4766
1868.6382	**934.8227**	623.5509	15	L	6	**730.3882**	**365.6978**	244.1343
2005.6971	**1003.3522**	669.2372	16	H	5	**617.3042**	309.1557	206.4396
2062.7186	**1031.8629**	**688.2444**	17	G	4	**480.2453**	240.6263	160.7533
2209.7870	**1105.3971**	737.2672	18	F	3	423.2238	212.1155	141.7461
2338.8296	1169.9184	**780.2814**	19	E	2	276.1554	138.5813	92.7233
			20	K	1	147.1128	74.0600	49.7091



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.1022	65.0548	43.7056	1	K	20			
292.1656	146.5864	98.0600	2	Y	19	2356.8401	**1178.9237**	786.2849
459.1639	230.0856	153.7262	3	S[167]	18	2193.7768	**1097.3920**	**731.9304**
574.1909	287.5991	192.0685	4	D	17	2026.7784	**1013.8928**	676.2643
688.2338	344.6205	230.0828	5	N	16	1911.7515	**956.3794**	**637.9220**
817.2764	409.1418	273.0970	6	E	15	1797.7085	**899.3579**	599.9077
932.3033	**466.6553**	311.4393	7	D	14	1668.6660	834.8366	556.8935
1047.3303	524.1688	349.7816	8	D	13	1553.6390	**777.3231**	518.5512
1176.3729	588.6901	392.7958	9	E	12	1438.6121	**719.8097**	**480.2089**
1339.4362	670.2217	447.1503	10	Y	11	**1309.5695**	**655.2884**	437.1947
1454.4631	**727.7352**	485.4926	11	D	10	**1146.5062**	**573.7567**	382.8402
1569.4901	**785.2487**	523.8349	12	D	9	**1031.4792**	**516.2433**	344.4979
1640.5272	**820.7672**	547.5139	13	A	8	**916.4523**	**458.7298**	306.1556
1755.5541	878.2807	585.8562	14	D	7	**845.4152**	423.2112	282.4766
1868.6382	934.8227	**623.5509**	15	L	6	**730.3882**	**365.6978**	244.1343
2005.6971	**1003.3522**	669.2372	16	H	5	**617.3042**	309.1557	206.4396
2062.7186	**1031.8629**	688.2444	17	G	4	**480.2453**	240.6263	160.7533
2209.7870	**1105.3971**	**737.2672**	18	F	3	423.2238	212.1155	141.7461
2338.8296	**1169.9184**	**780.2814**	19	E	2	276.1554	138.5813	92.7233
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.KYS$_{167}$GNTATGPPQDTIK.E/2

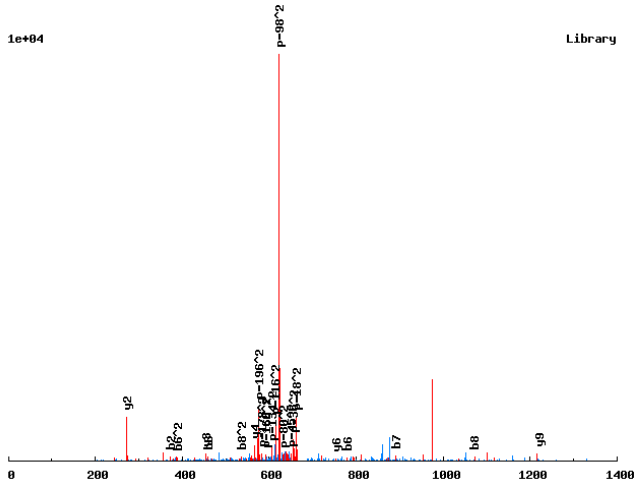


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	16		
292.1656	146.5864	2	Y	15	1629.7156	**815.3614**
459.1639	230.0856	3	S[167]	14	**1466.6523**	**733.8298**
516.1854	258.5963	4	G	13	**1299.6539**	650.3306
630.2283	315.6178	5	N	12	1242.6324	621.8199
731.2760	366.1416	6	T	11	**1128.5895**	564.7984
802.3131	401.6602	7	A	10	**1027.5418**	514.2746
903.3608	**452.1840**	8	T	9	**956.5047**	478.7560
960.3823	480.6948	9	G	8	**855.4570**	428.2322
1057.4350	529.2211	10	P	7	**798.4356**	399.7214
1154.4878	577.7475	11	P	6	701.3828	351.1951
1282.5464	641.7768	12	Q	5	604.3301	302.6687
1397.5733	699.2903	13	D	4	**476.2715**	238.6394
1498.6210	749.8141	14	T	3	**361.2445**	181.1259
1611.7050	**806.3562**	15	I	2	260.1969	130.6021
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.KY$_{243}$SMSTLT$_{181}$PR.D/2

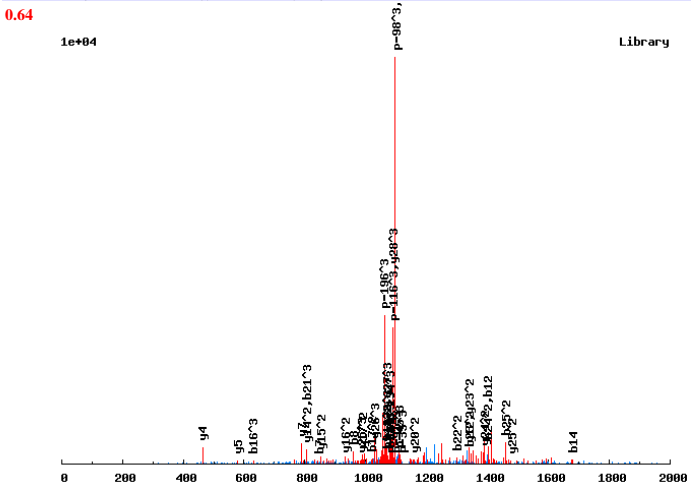
0.7559



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.1022	65.0548	1	K	10		
372.1319	186.5696	2	Y[243]	9	**1215.4517**	608.2295
459.1639	230.0856	3	S	8	972.4220	486.7146
590.2044	295.6059	4	M	7	885.3900	443.1986
677.2365	339.1219	5	S	6	**754.3495**	377.6784
778.2841	**389.6457**	6	T	5	667.3175	334.1624
891.3682	446.1877	7	L	4	**566.2698**	283.6385
1072.3822	**536.6947**	8	T[181]	3	**453.1857**	227.0965
1169.4350	585.2211	9	P	2	**272.1717**	136.5895
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.LADQT$_{181}$PHDDNSENC$_{160}$PNRSGGS$_{167}$T$_{181}$PLDSQTK.I/3

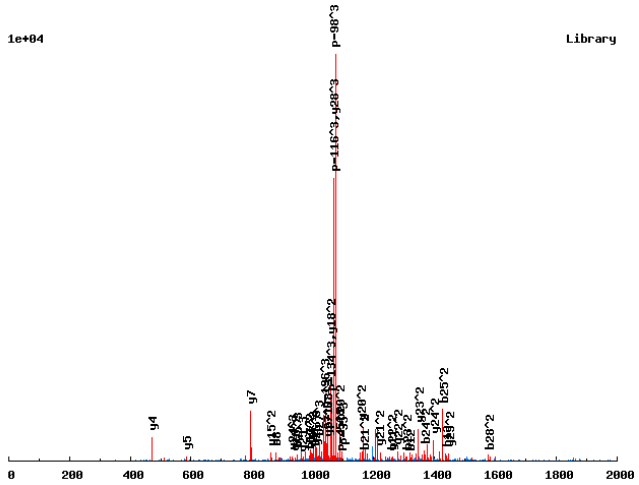


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	29			
185.1285	93.0679	62.3810	2	A	28	3268.1923	1634.5998	**1090.0690**
300.1554	150.5813	100.7233	3	D	27	3197.1552	1599.0812	**1066.3899**
428.2140	214.6106	143.4095	4	Q	26	3082.1282	1541.5678	**1028.0476**
609.2280	305.1176	203.7475	5	T[181]	25	2954.0697	**1477.5385**	**985.3614**
706.2807	353.6440	236.0984	6	P	24	2773.0557	**1387.0315**	925.0234
843.3397	422.1735	281.7847	7	H	23	2676.0029	**1338.5051**	892.6725
958.3666	479.6869	320.1271	8	D	22	2538.9440	1269.9756	846.9862
1073.3935	537.2004	358.4694	9	D	21	2423.9170	1212.4622	808.6439
1187.4365	594.2219	396.4837	10	N	20	2308.8901	**1154.9487**	770.3016
1274.4685	637.7379	425.4944	11	S	19	2194.8472	1097.9272	732.2872
1403.5111	702.2592	468.5085	12	E	18	2107.8151	1054.4112	703.2766
1517.5540	759.2806	506.5229	13	N	17	1978.7726	**989.8899**	660.2624
1677.5847	839.2960	559.8664	14	C[160]	16	1864.7296	**932.8685**	622.2481
1774.6374	887.8224	592.2173	15	P	15	1704.6990	**852.8531**	568.9045
1888.6804	944.8438	**630.2316**	16	N	14	1607.6462	**804.3267**	536.5536
2044.7815	**1022.8944**	682.2653	17	R	13	1493.6033	747.3053	498.5393
2131.8135	**1066.4104**	711.2760	18	S	12	**1337.5022**	669.2547	446.5056
2188.8350	**1094.9211**	730.2832	19	G	11	1250.4701	625.7387	417.4949
2245.8564	1123.4318	749.2903	20	G	10	1193.4487	597.2280	398.4877
2412.8548	1206.9310	**804.9564**	21	S[167]	9	1136.4272	568.7173	379.4806
2593.8688	**1297.4380**	865.2944	22	T[181]	8	969.4289	485.2181	323.8145
2690.9215	**1345.9644**	897.6454	23	P	7	**788.4149**	394.7111	263.4765
2804.0056	**1402.5064**	935.3401	24	L	6	691.3621	346.1847	231.1256
2919.0325	**1460.0199**	973.6824	25	D	5	**578.2780**	289.6427	193.4309
3006.0646	1503.5359	1002.6930	26	S	4	**463.2511**	232.1292	155.0885
3134.1232	1567.5652	1045.3792	27	Q	3	376.2191	188.6132	126.0779
3235.1708	1618.0891	**1079.0618**	28	T	2	248.1605	124.5839	83.3917
			29	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LADQTPHDDNSENC$_{160}$PNR$_{166}$SGGS$_{167}$T$_{181}$PLDSQTK$_{136}$.I/3

0.9248

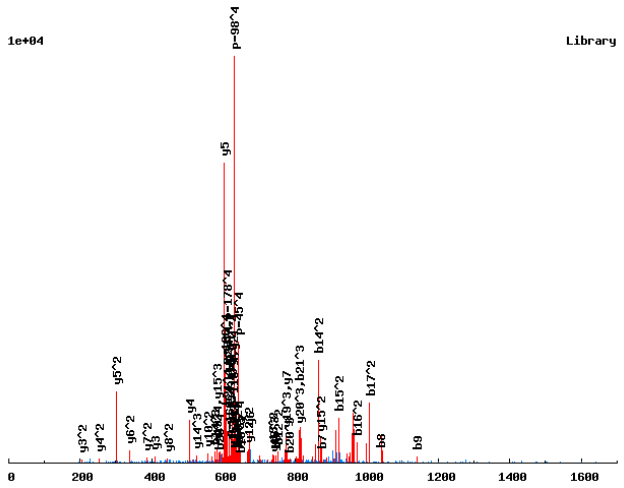


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	29			
185.1285	93.0679	62.3810	2	A	28	3206.2484	1603.6279	**1069.4210**
300.1554	150.5813	100.7233	3	D	27	3135.2113	1568.1093	**1045.7420**
428.2140	214.6106	143.4095	4	Q	26	3020.1844	1510.5958	**1007.3996**
529.2617	265.1345	177.0921	5	T	25	2892.1258	**1446.5665**	**964.7135**
626.3144	313.6608	209.4430	6	P	24	2791.0781	**1396.0427**	**931.0309**
763.3733	382.1903	255.1293	7	H	23	2694.0254	**1347.5163**	898.6800
878.4003	439.7038	293.4716	8	D	22	2556.9665	**1278.9869**	852.9937
993.4272	497.2172	331.8139	9	D	21	2441.9395	**1221.4734**	814.6514
1107.4701	554.2387	369.8282	10	N	20	2326.9126	**1163.9599**	776.3090
1194.5022	597.7547	398.8389	11	S	19	2212.8696	1106.9385	738.2947
1323.5448	662.2760	441.8531	12	E	18	2125.8376	**1063.4224**	709.2841
1437.5877	719.2975	479.8674	13	N	17	1996.7950	**998.9012**	666.2699
1597.6183	799.3128	533.2110	14	C[160]	16	1882.7521	**941.8797**	628.2556
1694.6711	847.8392	565.5619	15	P	15	1722.7214	**861.8644**	574.9120
1808.7140	904.8607	603.5762	16	N	14	1625.6687	813.3380	542.5611
1974.8234	**987.9153**	658.9460	17	R[166]	13	1511.6257	756.3165	504.5468
2061.8554	1031.4314	687.9567	18	S	12	1345.5164	673.2618	449.1770
2118.8769	1059.9421	706.9638	19	G	11	**1258.4843**	629.7458	420.1663
2175.8984	**1088.4528**	725.9710	20	G	10	1201.4629	601.2351	401.1591
2342.8967	**1171.9520**	781.6371	21	S[167]	9	1144.4414	572.7244	382.1520
2523.9107	**1262.4590**	841.9751	22	T[181]	8	977.4431	489.2252	326.4859
2620.9635	**1310.9854**	874.3260	23	P	7	**796.4290**	398.7182	266.1479
2734.0475	**1367.5274**	912.0207	24	L	6	699.3763	350.1918	233.7969
2849.0745	**1425.0409**	**950.3630**	25	D	5	**586.2922**	293.6498	196.1023
2936.1065	1468.5569	979.3737	26	S	4	**471.2653**	236.1363	157.7599
3064.1651	1532.5862	**1022.0599**	27	Q	3	384.2333	192.6203	128.7493
3165.2128	**1583.1100**	1055.7424	28	T	2	256.1747	128.5910	86.0631
			29	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.LALTR$_{166}$T$_{181}$ES$_{167}$VK$_{136}$PEPEITAPPHSR$_{166}$.F/4

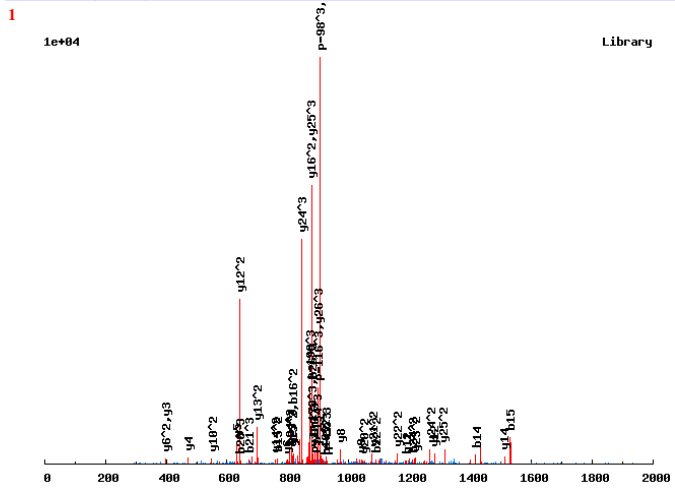
0.9906



b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	L	22				
185.1285	93.0679	62.3810	47.0376	2	A	21	2504.1940	1252.6006	835.4028	**626.8040**
298.2125	149.6099	100.0757	75.3086	3	L	20	2433.1569	1217.0821	**811.7238**	**609.0447**
399.2602	200.1337	133.7583	100.5705	4	T	19	2320.0728	1160.5400	**774.0291**	**580.7737**
565.3696	283.1884	189.1280	142.0979	5	R[166]	18	2219.0251	1110.0162	**740.3466**	555.5117
746.3836	373.6954	249.4660	187.3514	6	T[181]	17	2052.9158	1026.9615	684.9768	513.9844
875.4262	438.2167	292.4802	219.6120	7	E	16	1871.9017	936.4545	**624.6388**	468.7309
1042.4245	521.7159	348.1464	261.3616	8	S[167]	15	1742.8592	**871.9332**	**581.6246**	436.4702
1141.4929	571.2501	381.1692	286.1287	9	V	14	1575.8608	788.4340	**525.9585**	394.7207
1277.6021	**639.3047**	426.5389	320.1560	10	K[136]	13	1476.7924	**738.8998**	492.9356	369.9536
1374.6549	687.8311	458.8898	344.4192	11	P	12	1340.6832	**670.8453**	447.5659	335.9263
1503.6975	**752.3524**	501.9040	376.6798	12	E	11	1243.6305	**622.3189**	415.2150	311.6631
1600.7502	800.8787	534.2549	400.9430	13	P	10	1114.5879	**557.7976**	372.2008	279.4024
1729.7928	**865.4000**	**577.2691**	433.2037	14	E	9	1017.5351	509.2712	339.8499	255.1392
1842.8769	**921.9421**	**614.9638**	461.4747	15	I	8	888.4925	**444.7499**	296.8357	222.8786
1943.9245	**972.4659**	**648.6464**	486.7366	16	T	7	**775.4085**	**388.2079**	259.1410	194.6076
2014.9616	**1007.9845**	672.3254	504.4959	17	A	6	**674.3608**	**337.6840**	225.4584	169.3457
2112.0144	1056.5108	704.6763	528.7591	18	P	5	**603.3237**	**302.1655**	201.7794	151.5864
2209.0672	1105.0372	737.0272	553.0223	19	P	4	**506.2709**	**253.6391**	169.4285	127.3232
2346.1261	1173.5667	**782.7135**	**587.2870**	20	H	3	**409.2182**	**205.1127**	137.0776	103.0600
2433.1581	1217.0827	**811.7242**	**609.0450**	21	S	2	272.1592	136.5833	91.3913	68.7953
				22	R[166]	1	185.1272	93.0672	62.3806	47.0373

Annotated spectra from Saleem et. al. 2009

R.LAPTNS$_{167}$GGS$_{167}$GGKLDDPSGASSYYASHR.R/3

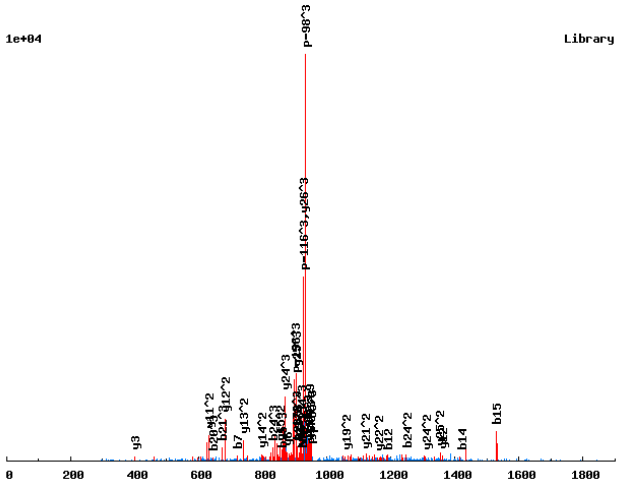


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	27			
185.1285	93.0679	62.3810	2	A	26	2699.0770	1350.0422	**900.3639**
282.1812	141.5942	94.7319	3	P	25	2628.0399	**1314.5236**	**876.6848**
383.2289	192.1181	128.4145	4	T	24	2530.9872	**1265.9972**	**844.3339**
497.2718	249.1396	166.4288	5	N	23	2429.9395	**1215.4734**	**810.6513**
664.2702	332.6387	222.0949	6	S[167]	22	2315.8965	**1158.4519**	772.6370
721.2916	361.1495	241.1021	7	G	21	2148.8982	**1074.9527**	716.9709
778.3131	389.6602	260.1092	8	G	20	2091.8767	**1046.4420**	697.9638
945.3115	473.1594	315.7753	9	S[167]	19	2034.8553	1017.9313	678.9566
1002.3329	501.6701	334.7825	10	G	18	1867.8569	934.4321	623.2905
1059.3544	530.1808	353.7896	11	G	17	1810.8354	**905.9214**	604.2833
1187.4493	594.2283	396.4880	12	K	16	1753.8140	**877.4106**	585.2762
1300.5334	650.7703	434.1827	13	L	15	1625.7190	**813.3632**	542.5779
1415.5603	708.2838	472.5250	14	D	14	**1512.6350**	**756.8211**	504.8832
1530.5873	**765.7973**	510.8673	15	D	13	1397.6080	**699.3076**	466.5409
1627.6400	**814.3237**	543.2182	16	P	12	**1282.5811**	**641.7942**	428.1985
1714.6721	857.8397	572.2289	17	S	11	**1185.5283**	593.2678	395.8476
1771.6935	886.3504	591.2360	18	G	10	1098.4963	**549.7518**	366.8369
1842.7306	**921.8690**	614.9151	19	A	9	**1041.4748**	521.2411	347.8298
1929.7627	965.3850	**643.9257**	20	S	8	**970.4377**	485.7225	324.1508
2016.7947	1008.9010	**672.9364**	21	S	7	**883.4057**	442.2065	295.1401
2179.8580	**1090.4327**	727.2909	22	Y	6	**796.3737**	**398.6905**	266.1294
2342.9214	1171.9643	781.6453	23	Y	5	**633.3103**	317.1588	211.7750
2413.9585	**1207.4829**	**805.3243**	24	A	4	**470.2470**	235.6271	157.4205
2500.9905	1250.9989	834.3350	25	S	3	**399.2099**	200.1086	133.7415
2638.0494	1319.5283	**880.0213**	26	H	2	312.1779	156.5926	104.7308
			27	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.LAPT$_{181}$NSGGS$_{167}$GGKLDDPSGASSYY$_{243}$ASHR.R/3

0.7261

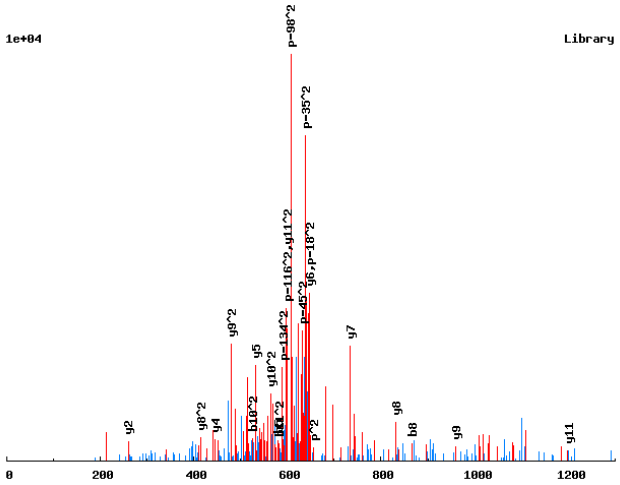


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	27			
185.1285	93.0679	62.3810	2	A	26	2779.0434	1390.0253	**927.0193**
282.1812	141.5942	94.7319	3	P	25	2708.0062	**1354.5068**	**903.3403**
463.1952	232.1013	155.0699	4	T[181]	24	2610.9535	**1305.9804**	**870.9893**
577.2382	289.1227	193.0842	5	N	23	2429.9395	1215.4734	810.6513
664.2702	332.6387	222.0949	6	S	22	2315.8965	**1158.4519**	772.6370
721.2916	361.1495	241.1021	7	G	21	2228.8645	**1114.9359**	743.6264
778.3131	389.6602	260.1092	8	G	20	2171.8431	1086.4252	724.6192
945.3115	473.1594	315.7753	9	S[167]	19	2114.8216	**1057.9144**	705.6121
1002.3329	501.6701	334.7825	10	G	18	1947.8232	974.4153	649.9459
1059.3544	530.1808	353.7896	11	G	17	1890.8018	**945.9045**	630.9388
1187.4493	594.2283	396.4880	12	K	16	1833.7803	**917.3938**	611.9316
1300.5334	650.7703	434.1827	13	L	15	1705.6854	**853.3463**	569.2333
1415.5603	708.2838	472.5250	14	D	14	1592.6013	**796.8043**	531.5386
1530.5873	765.7973	510.8673	15	D	13	1477.5744	**739.2908**	493.1963
1627.6400	814.3237	543.2182	16	P	12	**1362.5474**	**681.7773**	454.8540
1714.6721	857.8397	572.2289	17	S	11	1265.4947	**633.2510**	422.5031
1771.6935	886.3504	591.2360	18	G	10	1178.4626	589.7350	393.4924
1842.7306	**921.8690**	614.9151	19	A	9	1121.4412	561.2242	374.4852
1929.7627	965.3850	**643.9257**	20	S	8	1050.4041	525.7057	350.8062
2016.7947	1008.9010	**672.9364**	21	S	7	963.3720	482.1897	321.7955
2179.8580	1090.4327	727.2909	22	Y	6	**876.3400**	438.6736	292.7849
2422.8877	1211.9475	808.3008	23	Y[243]	5	713.2767	357.1420	238.4304
2493.9248	**1247.4660**	**831.9798**	24	A	4	470.2470	235.6271	157.4205
2580.9568	1290.9821	**860.9905**	25	S	3	**399.2099**	200.1086	133.7415
2718.0157	1359.5115	**906.6768**	26	H	2	312.1779	156.5926	104.7308
			27	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.LAS$_{167}$QVSLSEGLK.V/2

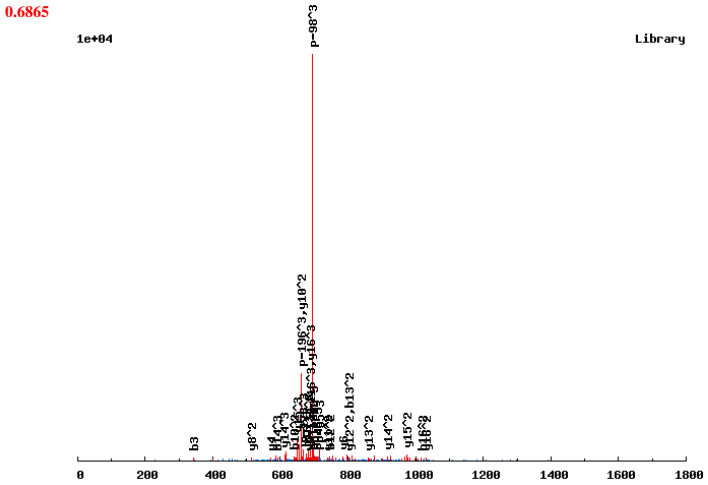
0.9361



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	12		
185.1285	93.0679	2	A	11	1198.5715	599.7894
352.1268	176.5670	3	S[167]	10	1127.5344	564.2708
480.1854	240.5963	4	Q	9	960.5360	480.7717
579.2538	290.1305	5	V	8	832.4774	416.7424
666.2858	333.6466	6	S	7	733.4090	367.2082
779.3699	390.1886	7	L	6	646.3770	323.6921
866.4019	433.7046	8	S	5	533.2929	267.1501
995.4445	498.2259	9	E	4	446.2609	223.6341
1052.4660	526.7366	10	G	3	317.2183	159.1128
1165.5500	583.2787	11	L	2	260.1969	130.6021
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

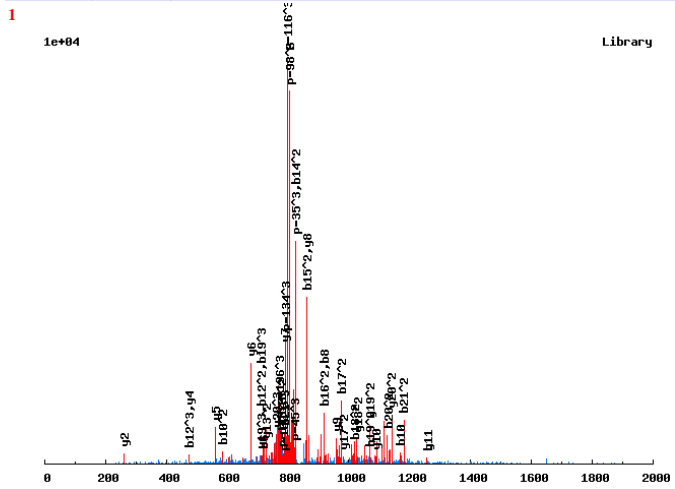
R.LDDLLERS$_{167}$QELTIS$_{167}$KEK.L/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	17			
229.1183	115.0628	77.0443	2	D	16	2063.9297	**1032.4685**	**688.6481**
344.1452	172.5762	115.3866	3	D	15	1948.9028	**974.9550**	**650.3058**
457.2293	229.1183	153.0813	4	L	14	1833.8759	**917.4416**	**611.9635**
570.3133	285.6603	190.7760	5	L	13	1720.7918	**860.8995**	574.2688
699.3559	350.1816	233.7902	6	E	12	1607.7077	**804.3575**	536.5741
855.4570	428.2322	285.8239	7	R	11	1478.6652	**739.8362**	493.5599
1022.4554	511.7313	341.4900	8	S[167]	10	1322.5640	**661.7857**	441.5262
1150.5140	575.7606	384.1762	9	Q	9	1155.5657	578.2865	385.8601
1279.5566	**640.2819**	427.1904	10	E	8	1027.5071	**514.2572**	343.1739
1392.6406	**696.8240**	464.8851	11	L	7	898.4645	449.7359	300.1597
1493.6883	**747.3478**	498.5676	12	T	6	**785.3805**	393.1939	262.4650
1606.7724	**803.8898**	536.2623	13	I	5	**684.3328**	342.6700	228.7824
1773.7707	887.3890	**591.9284**	14	S[167]	4	**571.2487**	286.1280	191.0878
1901.8657	951.4365	634.6268	15	K	3	404.2503	202.6288	135.4216
2030.9083	**1015.9578**	**677.6409**	16	E	2	276.1554	138.5813	92.7233
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.LDFSSS$_{167}$NSHNSS$_{167}$QVALDSTINK.D/3

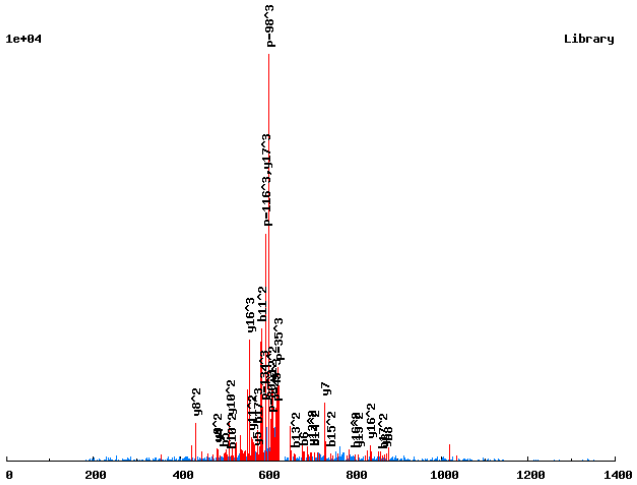


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	22			
229.1183	115.0628	77.0443	2	D	21	2397.9596	1199.4834	**799.9914**
376.1867	188.5970	126.0671	3	F	20	2282.9326	**1141.9700**	**761.6491**
463.2187	232.1130	155.0778	4	S	19	2135.8642	**1068.4357**	**712.6263**
550.2508	275.6290	184.0884	5	S	18	2048.8322	**1024.9197**	683.6156
717.2491	359.1282	239.7546	6	S[167]	17	1961.8002	**981.4037**	654.6049
831.2920	416.1497	277.7689	7	N	16	1794.8018	897.9045	598.9388
918.3241	459.6657	306.7795	8	S	15	1680.7589	840.8831	560.9245
1055.3830	528.1951	352.4658	9	H	14	1593.7268	797.3671	531.9138
1169.4259	**585.2166**	390.4802	10	N	13	1456.6679	**728.8376**	486.2275
1256.4579	628.7326	419.4908	11	S	12	1342.6250	671.8161	448.2132
1423.4563	**712.2318**	**475.1570**	12	S[167]	11	**1255.5930**	628.3001	419.2025
1551.5149	**776.2611**	517.8431	13	Q	10	**1088.5946**	544.8009	363.5364
1650.5833	**825.7953**	550.8660	14	V	9	**960.5360**	480.7717	320.8502
1721.6204	**861.3138**	574.5450	15	A	8	**861.4676**	431.2374	287.8274
1834.7045	**917.8559**	612.2397	16	L	7	**790.4305**	395.7189	264.1484
1949.7314	**975.3693**	650.5820	17	D	6	**677.3464**	339.1769	226.4537
2036.7634	**1018.8854**	679.5927	18	S	5	**562.3195**	281.6634	188.1114
2137.8111	**1069.4092**	**713.2752**	19	T	4	**475.2875**	238.1474	159.1007
2250.8952	**1125.9512**	750.9699	20	I	3	374.2398	187.6235	125.4181
2364.9381	**1182.9727**	**788.9842**	21	N	2	**261.1557**	131.0815	87.7234
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LDGSKT$_{181}$PVGVHTGSALQR.V/3

0.9827

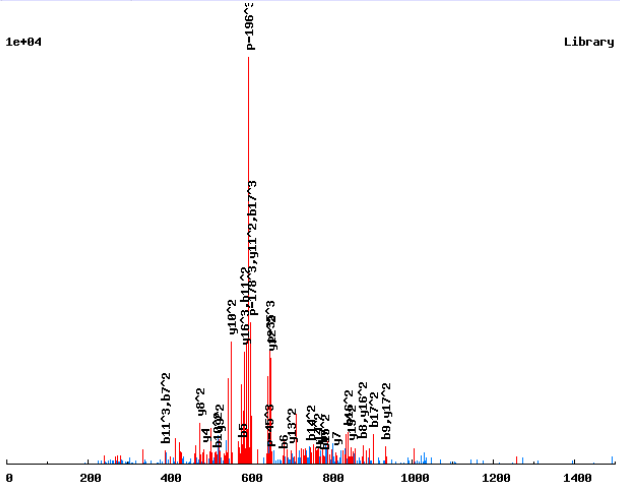


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	18			
229.1183	115.0628	77.0443	2	D	17	1789.8592	895.4333	**597.2913**
286.1397	143.5735	96.0514	3	G	16	1674.8323	**837.9198**	**558.9489**
373.1718	187.0895	125.0621	4	S	15	1617.8108	**809.4091**	539.9418
501.2667	251.1370	167.7604	5	K	14	1530.7788	765.8930	510.9311
682.2807	341.6440	228.0984	6	T[181]	13	1402.6838	**701.8456**	468.2328
779.3335	390.1704	260.4494	7	P	12	1221.6698	**611.3386**	407.8948
878.4019	439.7046	293.4722	8	V	11	1124.6171	**562.8122**	375.5439
935.4234	468.2153	312.4793	9	G	10	1025.5486	**513.2780**	342.5211
1034.4918	**517.7495**	345.5021	10	V	9	968.5272	**484.7672**	323.5139
1171.5507	**586.2790**	391.1884	11	H	8	**869.4588**	**435.2330**	290.4911
1272.5984	636.8028	424.8710	12	T	7	**732.3999**	366.7036	244.8048
1329.6198	**665.3136**	443.8781	13	G	6	631.3522	316.1797	211.1223
1416.6519	**708.8296**	472.8888	14	S	5	**574.3307**	287.6690	192.1151
1487.6890	**744.3481**	496.5678	15	A	4	**487.2987**	244.1530	163.1044
1600.7730	**800.8902**	534.2625	16	L	3	416.2616	208.6344	139.4254
1728.8316	**864.9194**	**576.9487**	17	Q	2	303.1775	152.0924	101.7307
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.LDGS$_{167}$KTPVGVHTGS$_{167}$ALQR.V/3

0.8026

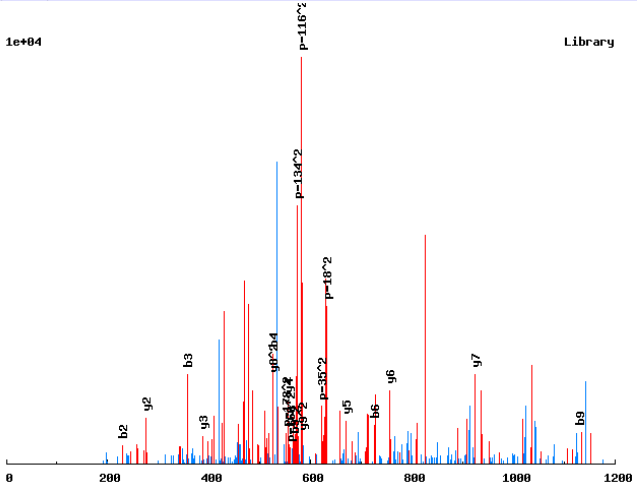


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	18			
229.1183	115.0628	77.0443	2	D	17	1869.8256	**935.4164**	623.9467
286.1397	143.5735	96.0514	3	G	16	1754.7986	**877.9029**	**585.6044**
453.1381	227.0727	151.7176	4	S[167]	15	1697.7772	**849.3922**	566.5972
581.2331	291.1202	194.4159	5	K	14	1530.7788	**765.8930**	510.9311
682.2807	341.6440	228.0984	6	T	13	1402.6838	**701.8456**	468.2328
779.3335	**390.1704**	260.4494	7	P	12	1301.6362	**651.3217**	434.5502
878.4019	439.7046	293.4722	8	V	11	1204.5834	**602.7953**	402.1993
935.4234	468.2153	312.4793	9	G	10	1105.5150	**553.2611**	369.1765
1034.4918	**517.7495**	345.5021	10	V	9	1048.4935	**524.7504**	350.1694
1171.5507	**586.2790**	**391.1884**	11	H	8	949.4251	**475.2162**	317.1466
1272.5984	636.8028	424.8710	12	T	7	**812.3662**	406.6867	271.4603
1329.6198	665.3136	443.8781	13	G	6	711.3185	356.1629	237.7777
1496.6182	**748.8127**	499.5443	14	S[167]	5	654.2971	327.6522	218.7705
1567.6553	**784.3313**	523.2233	15	A	4	**487.2987**	244.1530	163.1044
1680.7394	**840.8733**	560.9180	16	L	3	416.2616	208.6344	139.4254
1808.7979	**904.9026**	**603.6042**	17	Q	2	303.1775	152.0924	101.7307
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.LDQS$_{167}$SNS$_{167}$LQK.T/2

0.7547

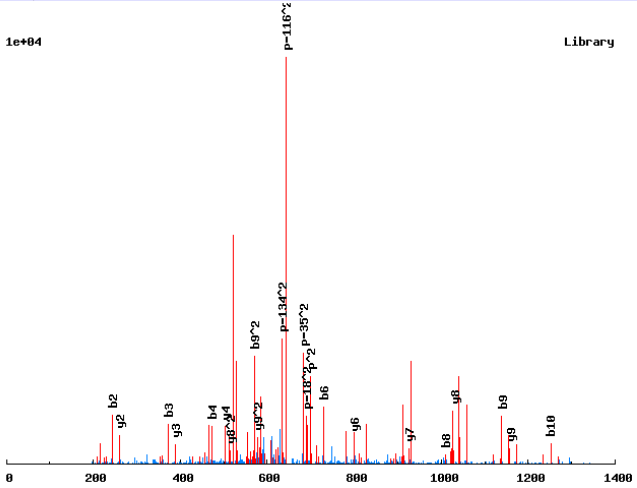


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	10		
229.1183	115.0628	2	D	9	1166.4126	**583.7100**
357.1769	179.0921	3	Q	8	1051.3857	**526.1965**
524.1752	262.5913	4	S[167]	7	**923.3271**	462.1672
611.2073	306.1073	5	S	6	**756.3288**	378.6680
725.2502	363.1287	6	N	5	**669.2967**	335.1520
892.2485	446.6279	7	S[167]	4	**555.2538**	278.1305
1005.3326	503.1699	8	L	3	**388.2554**	194.6314
1133.3912	**567.1992**	9	Q	2	**275.1714**	138.0893
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.LEETKES$_{167}$LQNK.G/2

0.9984

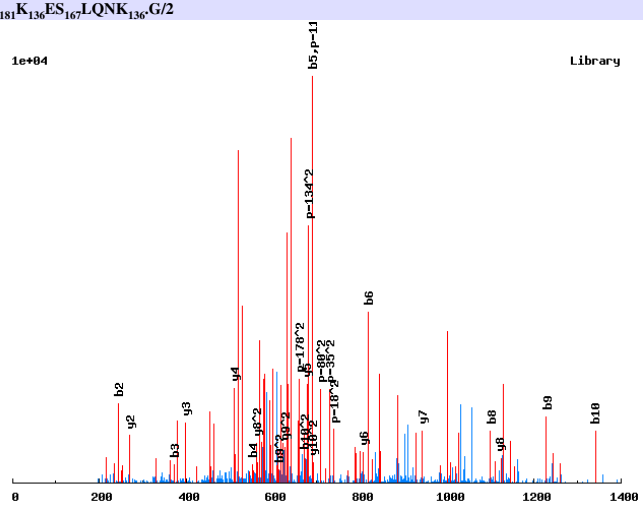


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
243.1339	122.0706	2	E	10	1285.5671	**643.2872**
372.1765	186.5919	3	E	9	**1156.5246**	**578.7659**
473.2242	237.1157	4	T	8	**1027.4820**	**514.2446**
601.3192	301.1632	5	K	7	**926.4343**	463.7208
730.3618	365.6845	6	E	6	**798.3393**	399.6733
897.3601	449.1837	7	S[167]	5	669.2967	335.1520
1010.4442	505.7257	8	L	4	**502.2984**	251.6528
1138.5028	**569.7550**	9	Q	3	**389.2143**	195.1108
1252.5457	626.7765	10	N	2	**261.1557**	131.0815
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.LEET$_{181}$K$_{136}$ES$_{167}$LQNK$_{136}$.G/2

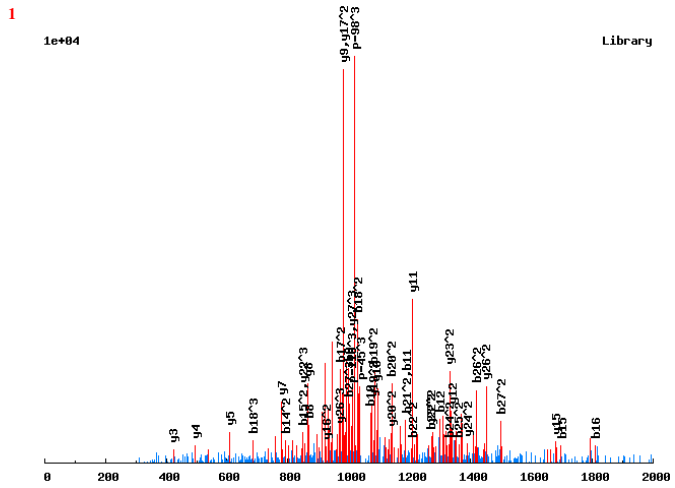
0.9586



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
243.1339	122.0706	2	E	10	1381.5619	**691.2846**
372.1765	186.5919	3	E	9	1252.5193	**626.7633**
553.1905	277.0989	4	T[181]	8	**1123.4767**	**562.2420**
689.2997	345.1535	5	K[136]	7	**942.4627**	471.7350
818.3423	409.6748	6	E	6	**806.3535**	403.6804
985.3406	493.1740	7	S[167]	5	**677.3109**	339.1591
1098.4247	549.7160	8	L	4	**510.3126**	255.6599
1226.4833	**613.7453**	9	Q	3	**397.2285**	199.1179
1340.5262	**670.7667**	10	N	2	**269.1699**	135.0886
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.LEGADDRLEADDS$_{167}$DDLENIDSGDLALYK.D/3

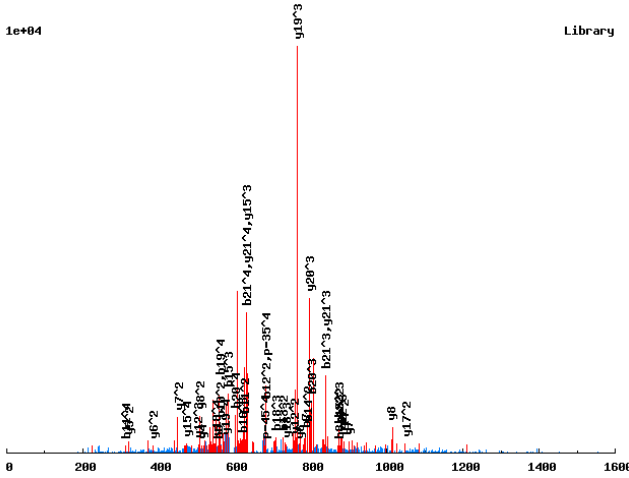


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	28			
243.1339	122.0706	81.7162	2	E	27	3034.2684	1517.6378	**1012.0943**
300.1554	150.5813	100.7233	3	G	26	2905.2258	**1453.1165**	**969.0801**
371.1925	186.0999	124.4024	4	A	25	2848.2044	1424.6058	950.0730
486.2194	243.6134	162.7447	5	D	24	2777.1672	**1389.0873**	926.3939
601.2464	301.1268	201.0870	6	D	23	2662.1403	**1331.5738**	888.0516
757.3475	379.1774	253.1207	7	R	22	2547.1134	**1274.0603**	**849.7093**
870.4315	435.7194	290.8154	8	L	21	2391.0123	1196.0098	797.6756
999.4741	500.2407	333.8296	9	E	20	2277.9282	**1139.4677**	759.9809
1070.5113	535.7593	357.5086	10	A	19	2148.8856	**1074.9464**	716.9667
1185.5382	593.2727	395.8509	11	D	18	2077.8485	1039.4279	693.2877
1300.5651	650.7862	434.1932	12	D	17	1962.8216	**981.9144**	654.9454
1467.5635	734.2854	489.8594	13	S[167]	16	1847.7946	**924.4009**	616.6031
1582.5904	**791.7989**	528.2017	14	D	15	**1680.7962**	840.9018	560.9369
1697.6174	**849.3123**	566.5440	15	D	14	1565.7693	783.3883	522.5946
1810.7014	905.8544	604.2387	16	L	13	1450.7424	725.8748	484.2523
1939.7440	**970.3757**	647.2529	17	E	12	**1337.6583**	669.3328	446.5576
2053.7870	**1027.3971**	**685.2672**	18	N	11	**1208.6157**	604.8115	403.5434
2166.8710	**1083.9391**	722.9619	19	I	10	**1094.5728**	547.7900	365.5291
2281.8980	**1141.4526**	761.3042	20	D	9	**981.4887**	491.2480	327.8344
2368.9300	**1184.9686**	790.3148	21	S	8	**866.4618**	433.7345	289.4921
2425.9514	**1213.4794**	809.3220	22	G	7	**779.4298**	390.2185	260.4814
2540.9784	**1270.9928**	847.6643	23	D	6	722.4083	361.7078	241.4743
2654.0624	**1327.5349**	885.3590	24	L	5	**607.3814**	304.1943	203.1320
2725.0996	**1363.0534**	909.0380	25	A	4	**494.2973**	247.6523	165.4373
2838.1836	**1419.5954**	946.7327	26	L	3	**423.2602**	212.1337	141.7582
3001.2469	**1501.1271**	**1001.0872**	27	Y	2	310.1761	155.5917	104.0636
			28	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.LEKPSDDSIHQNSKS$_{167}$DEEQRIPK.Q/4

0.8315

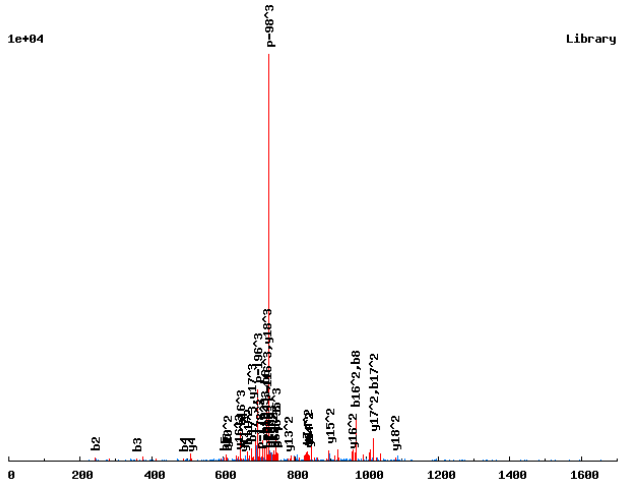


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	L	23				
243.1339	122.0706	81.7162	61.5389	2	E	22	2647.1995	1324.1034	**883.0714**	662.5553
371.2289	186.1181	124.4145	93.5627	3	K	21	2518.1569	1259.5821	**840.0572**	**630.2947**
468.2816	234.6445	156.7654	117.8259	4	P	20	2390.0620	1195.5346	**797.3588**	598.2710
555.3137	278.1605	185.7761	139.5839	5	S	19	2293.0092	1147.0082	**765.0079**	**574.0078**
670.3406	335.6739	224.1184	168.3406	6	D	18	2205.9772	1103.4922	**735.9972**	**552.2498**
785.3676	393.1874	262.4607	197.0974	7	D	17	2090.9502	**1045.9788**	697.6549	523.4930
872.3996	436.7034	291.4714	218.8554	8	S	16	1975.9233	988.4653	659.3126	494.7363
985.4836	493.2455	329.1661	247.1264	9	I	15	1888.8913	944.9493	**630.3019**	**472.9783**
1122.5426	**561.7749**	374.8524	281.3911	10	H	14	1775.8072	**888.4072**	592.6073	444.7073
1250.6011	**625.8042**	417.5386	**313.4057**	11	Q	13	1638.7483	819.8778	546.9210	410.4425
1364.6441	**682.8257**	455.5529	341.9165	12	N	12	1510.6897	**755.8485**	**504.2348**	378.4279
1451.6761	**726.3417**	484.5636	363.6745	13	S	11	1396.6468	698.8270	466.2204	349.9172
1579.7711	**790.3892**	527.2619	395.6982	14	K	10	1309.6148	655.3110	437.2098	328.1591
1746.7694	**873.8884**	**582.9280**	437.4478	15	S[167]	9	1181.5198	591.2635	394.5115	296.1354
1861.7964	931.4018	**621.2703**	466.2046	16	D	8	**1014.5214**	**507.7644**	338.8453	254.3858
1990.8390	995.9231	664.2845	498.4652	17	E	7	**899.4945**	**450.2509**	300.5030	225.6291
2119.8815	1060.4444	**707.2987**	530.7258	18	E	6	**770.4519**	**385.7296**	257.4888	193.3684
2247.9401	1124.4737	749.9849	**562.7405**	19	Q	5	641.4093	**321.2083**	214.4746	161.1078
2404.0412	1202.5243	**802.0186**	**601.7658**	20	R	4	**513.3507**	257.1790	171.7884	129.0931
2517.1253	1259.0663	**839.7133**	**630.0368**	21	I	3	357.2496	179.1284	119.7547	90.0679
2614.1781	1307.5927	**872.0642**	654.3000	22	P	2	244.1656	122.5864	82.0600	61.7969
				23	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

K.LENMNNSS$_{167}$HNLLSHPS$_{167}$VPK.F/3

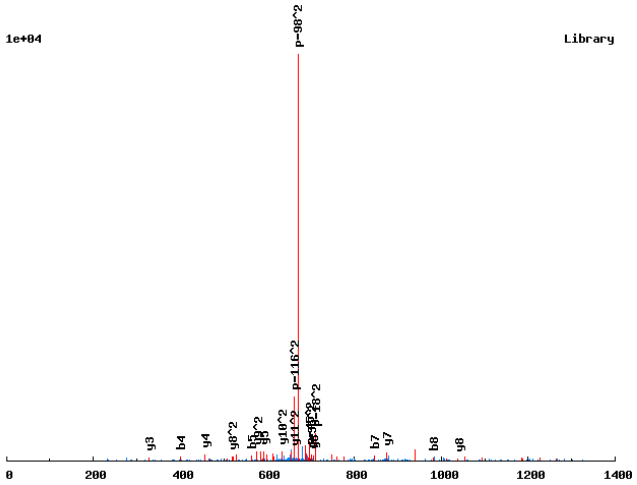
0.9652



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	19			
243.1339	122.0706	81.7162	2	E	18	2164.8883	**1082.9478**	**722.3009**
357.1769	179.0921	119.7305	3	N	17	2035.8457	**1018.4265**	**679.2867**
488.2173	244.6123	163.4106	4	M	16	1921.8027	**961.4050**	**641.2724**
602.2603	301.6338	201.4249	5	N	15	1790.7622	**895.8848**	597.5923
716.3032	358.6552	239.4393	6	N	14	1676.7193	**838.8633**	559.5780
803.3352	402.1713	268.4499	7	S	13	1562.6764	**781.8418**	521.5636
970.3336	485.6704	324.1161	8	S[167]	12	1475.6444	**738.3258**	492.5530
1107.3925	554.1999	369.8024	9	H	11	1308.6460	**654.8266**	436.8869
1221.4354	**611.2214**	407.8167	10	N	10	1171.5871	586.2972	391.2005
1334.5195	**667.7634**	445.5114	11	L	9	1057.5442	529.2757	353.1862
1447.6036	**724.3054**	483.2060	12	L	8	944.4601	472.7337	315.4916
1534.6356	767.8214	512.2167	13	S	7	**831.3760**	416.1917	277.7969
1671.6945	**836.3509**	557.9030	14	H	6	**744.3440**	372.6756	248.7862
1768.7473	884.8773	590.2539	15	P	5	**607.2851**	304.1462	203.0999
1935.7456	**968.3765**	**645.9201**	16	S[167]	4	**510.2323**	255.6198	170.7490
2034.8140	**1017.9107**	**678.9429**	17	V	3	343.2340	172.1206	115.0828
2131.8668	1066.4370	**711.2938**	18	P	2	244.1656	122.5864	82.0600
			19	K	1	147.1128	74.0600	49.7091

K.LGDDYS$_{167}$DK$_{136}$ETAK$_{136}$.E/2

0.9972

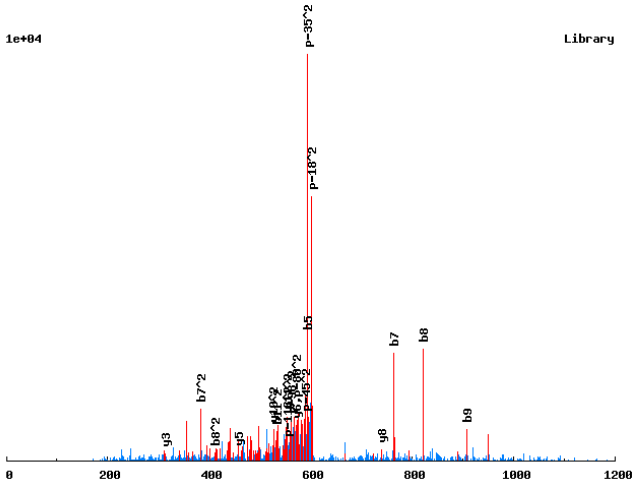


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	12		
171.1128	86.0600	2	G	11	1324.5275	**662.7674**
286.1397	143.5735	3	D	10	1267.5060	**634.2567**
401.1667	201.0870	4	D	9	1152.4791	**576.7432**
564.2300	282.6186	5	Y	8	**1037.4522**	**519.2297**
731.2284	366.1178	6	S[167]	7	**874.3888**	437.6981
846.2553	423.6313	7	D	6	**707.3905**	354.1989
982.3645	491.6859	8	K[136]	5	**592.3635**	296.6854
1111.4071	556.2072	9	E	4	**456.2544**	228.6308
1212.4547	606.7310	10	T	3	**327.2118**	164.1095
1283.4918	642.2496	11	A	2	226.1641	113.5857
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.LGET$_{181}$LGLGSTGK$_{136}$.V/2

0.8962

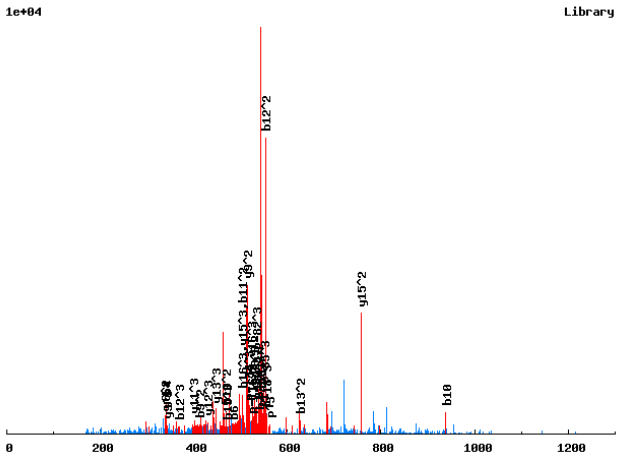


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	12		
171.1128	86.0600	2	G	11	1107.5173	**554.2623**
300.1554	150.5813	3	E	10	1050.4958	**525.7515**
481.1694	241.0883	4	T[181]	9	921.4532	461.2303
594.2535	297.6304	5	L	8	**740.4392**	370.7232
651.2749	326.1411	6	G	7	627.3551	314.1812
764.3590	**382.6831**	7	L	6	**570.3337**	285.6705
821.3804	**411.1939**	8	G	5	**457.2496**	229.1285
908.4125	454.7099	9	S	4	400.2282	200.6177
1009.4602	505.2337	10	T	3	**313.1961**	157.1017
1066.4816	**533.7444**	11	G	2	212.1485	106.5779
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.LGLGGSGDS$_{167}$NAPM$_{147}$TGVR.R/3

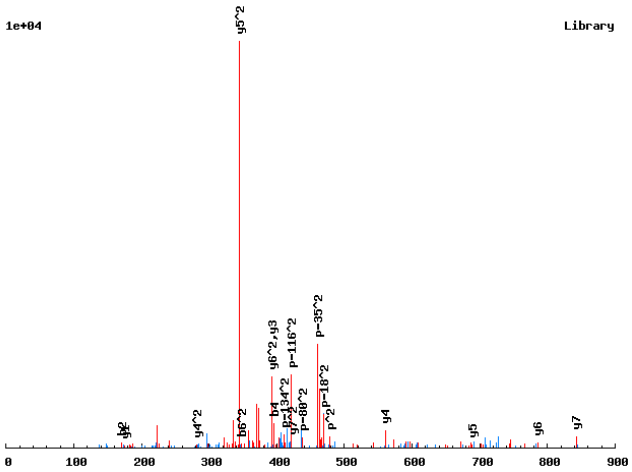
0.6594



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	17			
171.1128	86.0600	57.7091	2	G	16	1571.6519	786.3296	**524.5555**
284.1969	142.6021	95.4038	3	L	15	1514.6305	**757.8189**	**505.5483**
341.2183	171.1128	114.4110	4	G	14	1401.5464	701.2768	467.8537
398.2398	199.6235	133.4181	5	G	13	1344.5250	672.7661	**448.8465**
485.2718	243.1395	162.4288	6	S	12	1287.5035	644.2554	**429.8394**
542.2933	271.6503	181.4359	7	G	11	1200.4715	600.7394	**400.8287**
657.3202	329.1637	219.7783	8	D	10	1143.4500	572.2286	381.8215
824.3186	**412.6629**	275.4444	9	S[167]	9	1028.4231	**514.7152**	**343.4792**
938.3615	**469.6844**	313.4587	10	N	8	861.4247	431.2160	287.8131
1009.3986	**505.2029**	337.1377	11	A	7	747.3818	374.1945	249.7988
1106.4514	**553.7293**	**369.4886**	12	P	6	676.3447	**338.6760**	226.1197
1253.4868	**627.2470**	418.5004	13	M[147]	5	579.2919	290.1496	193.7688
1354.5345	677.7709	452.1830	14	T	4	432.2565	216.6319	144.7570
1411.5559	706.2816	**471.1902**	15	G	3	331.2088	166.1080	111.0745
1510.6243	755.8158	**504.2130**	16	V	2	274.1874	137.5973	92.0673
			17	R	1	175.1190	88.0631	59.0445

K.LGPQS$_{167}$MSR.Q/2

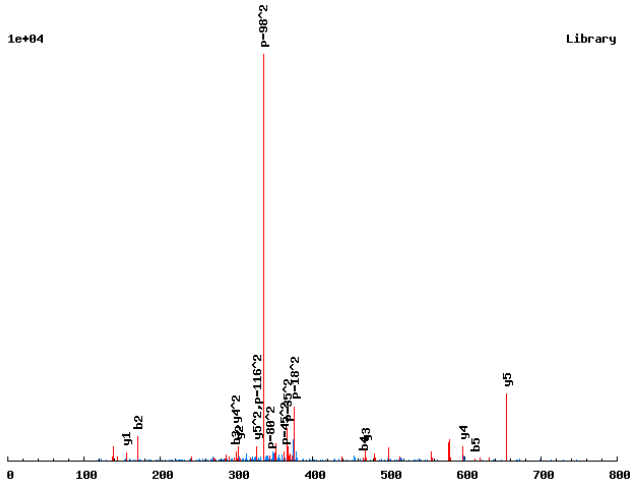
0.691



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	8		
171.1128	86.0600	2	G	7	**842.3226**	**421.6650**
268.1656	134.5864	3	P	6	**785.3012**	**393.1542**
396.2241	198.6157	4	Q	5	**688.2484**	**344.6278**
563.2225	282.1149	5	S[167]	4	**560.1898**	**280.5986**
694.2630	**347.6351**	6	M	3	**393.1915**	197.0994
781.2950	391.1512	7	S	2	262.1510	131.5791
		8	R	1	**175.1190**	88.0631

K.LGQS$_{167}$FK$_{136}$.E/2

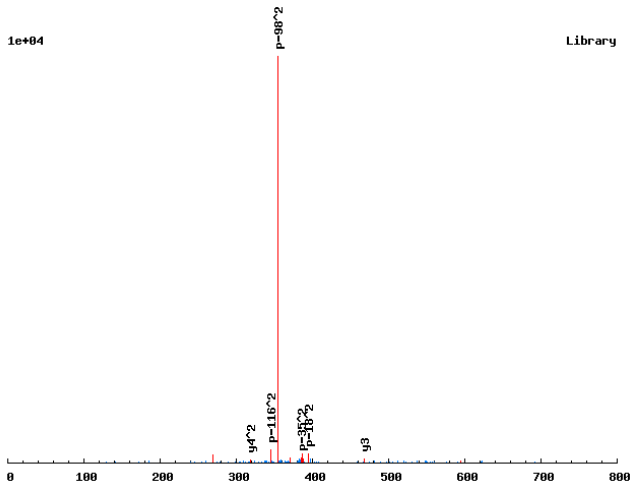
0.9632



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	6		
171.1128	86.0600	2	G	5	654.2738	327.6405
299.1714	150.0893	3	Q	4	597.2524	299.1298
466.1697	233.5885	4	S[167]	3	469.1938	235.1005
613.2382	307.1227	5	F	2	302.1954	151.6013
		6	K[136]	1	155.1270	78.0671

K.LGS$_{167}$FK$_{136}$R$_{166}$.S/2

0.6857

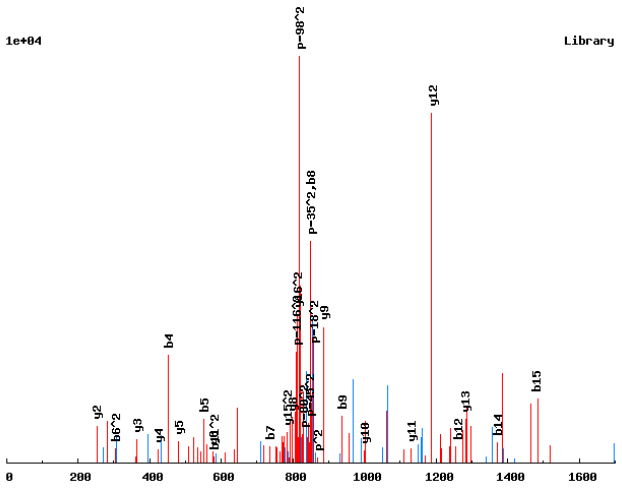


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	6		
171.1128	86.0600	2	G	5	692.3246	346.6659
338.1112	169.5592	3	S[167]	4	635.3031	**318.1552**
485.1796	243.0934	4	F	3	**468.3048**	234.6560
621.2887	311.1480	5	K[136]	2	321.2364	161.1218
		6	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.LGS$_{167}$LVGQDSGYVGGLPK$_{136}$.N/2

0.9829

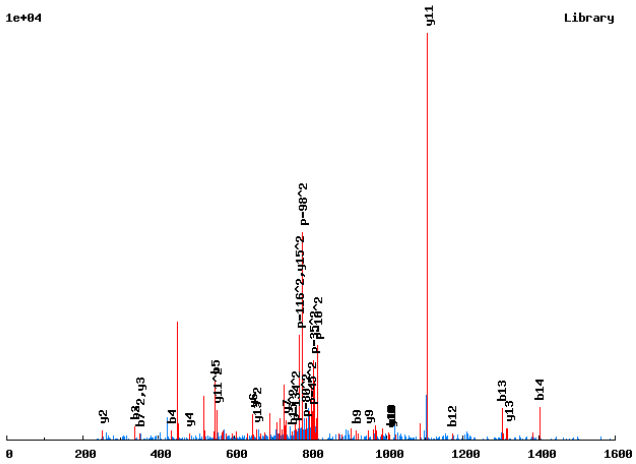


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	17		
171.1128	86.0600	2	G	16	1621.7712	**811.3893**
338.1112	169.5592	3	S[167]	15	1564.7498	**782.8785**
451.1952	226.1013	4	L	14	1397.7514	699.3793
550.2636	275.6355	5	V	13	**1284.6674**	642.8373
607.2851	**304.1462**	6	G	12	**1185.5989**	593.3031
735.3437	368.1755	7	Q	11	**1128.5775**	564.7924
850.3706	425.6889	8	D	10	**1000.5189**	500.7631
937.4026	469.2050	9	S	9	**885.4920**	443.2496
994.4241	497.7157	10	G	8	**798.4599**	399.7336
1157.4874	**579.2474**	11	Y	7	741.4385	371.2229
1256.5558	628.7816	12	V	6	**578.3751**	289.6912
1313.5773	657.2923	13	G	5	**479.3067**	240.1570
1370.5988	685.8030	14	G	4	**422.2853**	211.6463
1483.6828	742.3451	15	L	3	**365.2638**	183.1355
1580.7356	790.8714	16	P	2	**252.1798**	126.5935
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.LGS$_{167}$PIPGESSPAEVPK$_{136}$.N/2

0.998

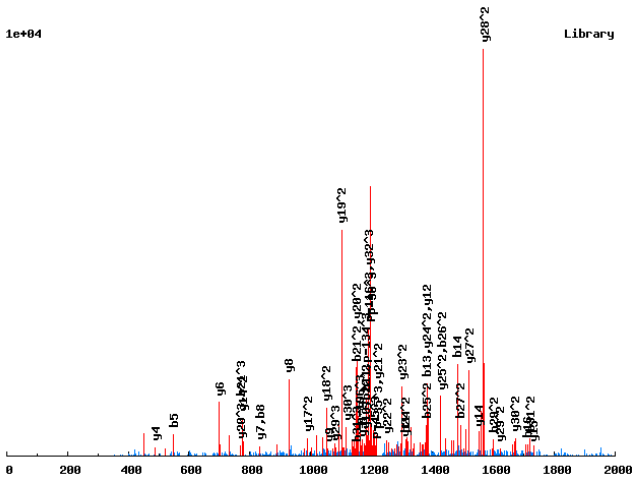


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	16		
171.1128	86.0600	2	G	15	1539.7181	**770.3627**
338.1112	169.5592	3	S[167]	14	1482.6967	741.8520
435.1639	218.0856	4	P	13	**1315.6983**	**658.3528**
548.2480	274.6276	5	I	12	1218.6456	609.8264
645.3007	323.1540	6	P	11	**1105.5615**	**553.2844**
702.3222	**351.6647**	7	G	10	**1008.5087**	504.7580
831.3648	416.1860	8	E	9	**951.4873**	476.2473
918.3968	459.7021	9	S	8	822.4447	411.7260
1005.4289	503.2181	10	S	7	**735.4127**	368.2100
1102.4816	551.7444	11	P	6	**648.3806**	324.6940
1173.5187	587.2630	12	A	5	551.3279	276.1676
1302.5613	651.7843	13	E	4	**480.2908**	240.6490
1401.6297	701.3185	14	V	3	**351.2482**	176.1277
1498.6825	**749.8449**	15	P	2	**252.1798**	126.5935
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.LGS$_{167}$PIPGESS$_{167}$PAEVPKNET$_{181}$PAAQEQPMPDNEPK.Q/3

1

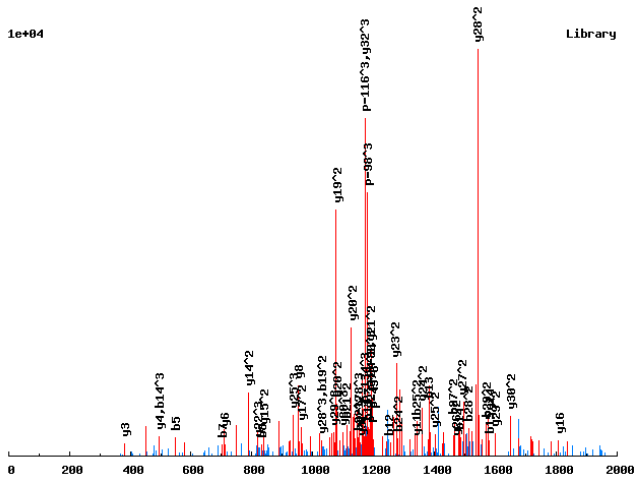


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	33			
171.1128	86.0600	57.7091	2	G	32	3568.4627	1784.7350	**1190.1591**
338.1112	169.5592	113.3752	3	S[167]	31	3511.4413	1756.2243	**1171.1519**
435.1639	218.0856	145.7262	4	P	30	3344.4429	**1672.7251**	**1115.4858**
548.2480	274.6276	183.4208	5	I	29	3247.3901	**1624.1987**	**1083.1349**
645.3007	323.1540	215.7718	6	P	28	3134.3061	**1567.6567**	1045.4402
702.3222	351.6647	234.7789	7	G	27	3037.2533	**1519.1303**	1013.0893
831.3648	416.1860	277.7931	8	E	26	2980.2319	1490.6196	994.0821
918.3968	459.7021	306.8038	9	S	25	2851.1893	**1426.0983**	951.0679
1085.3952	543.2012	362.4699	10	S[167]	24	2764.1572	**1382.5823**	922.0573
1182.4479	591.7276	394.8208	11	P	23	2597.1589	**1299.0831**	866.3911
1253.4851	627.2462	418.4999	12	A	22	2500.1061	**1250.5567**	834.0402
1382.5276	691.7675	461.5141	13	E	21	2429.0690	**1215.0381**	810.3612
1481.5961	741.3017	494.5369	14	V	20	2300.0264	**1150.5169**	**767.3470**
1578.6488	789.8280	526.8878	15	P	19	2200.9580	**1100.9826**	734.3242
1706.7438	853.8755	569.5861	16	K	18	2103.9053	**1052.4563**	701.9733
1820.7867	910.8970	607.6004	17	N	17	1975.8103	**988.4088**	659.2750
1949.8293	975.4183	650.6146	18	E	16	1861.7674	931.3873	621.2606
2130.8433	1065.9253	710.9526	19	T[181]	15	**1732.7248**	866.8660	578.2464
2227.8961	1114.4517	743.3035	20	P	14	**1551.7108**	**776.3590**	517.9084
2298.9332	**1149.9702**	**766.9826**	21	A	13	1454.6580	727.8326	485.5575
2369.9703	**1185.4888**	790.6616	22	A	12	**1383.6209**	692.3141	461.8785
2498.0289	1249.5181	833.3478	23	Q	11	**1312.5838**	656.7955	438.1994
2627.0715	**1314.0394**	876.3620	24	E	10	**1184.5252**	592.7662	395.5133
2755.1300	**1378.0687**	919.0482	25	Q	9	**1055.4826**	528.2449	352.4991
2852.1828	**1426.5950**	951.3991	26	P	8	**927.4240**	464.2157	309.8129
2983.2233	**1492.1153**	995.0793	27	M	7	**830.3713**	415.6893	277.4619
3080.2760	1540.6417	1027.4302	28	P	6	**699.3308**	350.1690	233.7818
3195.3030	**1598.1551**	1065.7725	29	D	5	602.2780	301.6427	201.4309
3309.3459	1655.1766	1103.7868	30	N	4	**487.2511**	244.1292	163.0885
3438.3885	**1719.6979**	**1146.8010**	31	E	3	373.2081	187.1077	125.0742
3535.4413	1768.2243	1179.1519	32	P	2	244.1656	122.5864	82.0600
			33	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LGS$_{167}$PIPGESS$_{167}$PAEVPK$_{136}$NETPAAQEQPM$_{147}$PDNEPK$_{136}$.Q/3

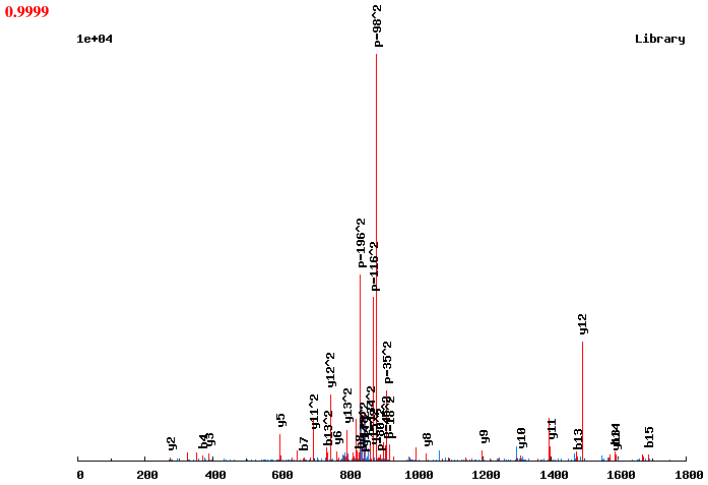
0.9907



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	33			
171.1128	86.0600	57.7091	2	G	32	3520.5197	1760.7635	**1174.1781**
338.1112	169.5592	113.3752	3	S[167]	31	3463.4982	1732.2528	**1155.1709**
435.1639	218.0856	145.7262	4	P	30	3296.4999	**1648.7536**	**1099.5048**
548.2480	274.6276	183.4208	5	I	29	3199.4471	**1600.2272**	**1067.1539**
645.3007	323.1540	215.7718	6	P	28	3086.3631	**1543.6852**	**1029.4592**
702.3222	351.6647	234.7789	7	G	27	2989.3103	**1495.1588**	997.1083
831.3648	416.1860	277.7931	8	E	26	2932.2888	**1466.6481**	978.1011
918.3968	459.7021	306.8038	9	S	25	2803.2462	**1402.1268**	**935.0869**
1085.3952	543.2012	362.4699	10	S[167]	24	2716.2142	**1358.6107**	906.0763
1182.4479	591.7276	394.8208	11	P	23	2549.2159	**1275.1116**	850.4101
1253.4851	627.2462	418.4999	12	A	22	2452.1631	1226.5852	**818.0592**
1382.5276	691.7675	461.5141	13	E	21	2381.1260	**1191.0666**	794.3802
1481.5961	741.3017	**494.5369**	14	V	20	2252.0834	**1126.5453**	751.3660
1578.6488	789.8280	526.8878	15	P	19	2153.0150	**1077.0111**	718.3432
1714.7580	857.8826	572.2575	16	K[136]	18	2055.9622	1028.4848	685.9923
1828.8009	914.9041	610.2718	17	N	17	1919.8531	**960.4302**	640.6225
1957.8435	979.4254	653.2860	18	E	16	**1805.8101**	903.4087	602.6082
2058.8912	**1029.9492**	686.9686	19	T	15	1676.7675	**838.8874**	559.5940
2155.9439	**1078.4756**	719.3195	20	P	14	**1575.7199**	**788.3636**	525.9115
2226.9810	**1113.9942**	742.9985	21	A	13	1478.6671	739.8372	493.5606
2298.0182	**1149.5127**	766.6776	22	A	12	1407.6300	704.3186	469.8815
2426.0767	1213.5420	809.3638	23	Q	11	**1336.5929**	668.8001	446.2025
2555.1193	**1278.0633**	852.3780	24	E	10	1208.5343	604.7708	403.5163
2683.1779	**1342.0926**	895.0642	25	Q	9	1079.4917	540.2495	360.5021
2780.2307	1390.6190	927.4151	26	P	8	**951.4331**	476.2202	317.8159
2927.2661	**1464.1367**	976.4269	27	M[147]	7	854.3804	427.6938	285.4650
3024.3188	**1512.6631**	1008.7778	28	P	6	**707.3450**	354.1761	236.4532
3139.3458	**1570.1765**	1047.1201	29	D	5	610.2922	305.6497	204.1023
3253.3887	1627.1980	1085.1344	30	N	4	**495.2653**	248.1363	165.7599
3382.4313	1691.7193	1128.1486	31	E	3	**381.2223**	191.1148	127.7456
3479.4840	1740.2457	1160.4995	32	P	2	252.1798	126.5935	84.7314
			33	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.LGTVPSNYVS$_{167}$S$_{167}$PDLVR.R/2

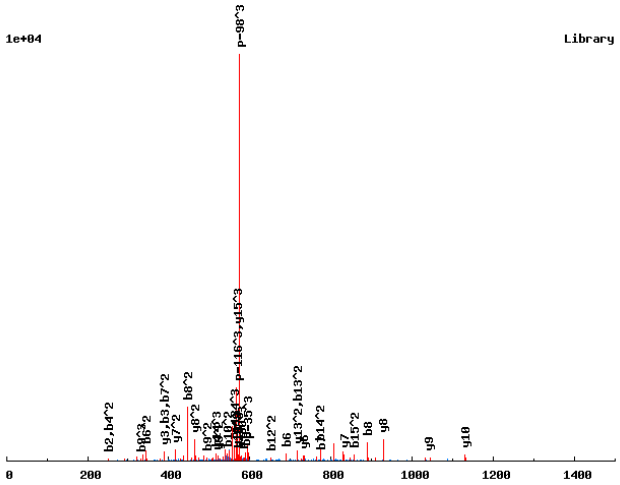


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	16		
171.1128	86.0600	2	G	15	1750.7449	**875.8761**
272.1605	136.5839	3	T	14	1693.7234	**847.3653**
371.2289	186.1181	4	V	13	**1592.6757**	**796.8415**
468.2816	234.6445	5	P	12	**1493.6073**	**747.3073**
555.3137	278.1605	6	S	11	**1396.5545**	**698.7809**
669.3566	335.1819	7	N	10	**1309.5225**	655.2649
832.4199	416.7136	8	Y	9	**1195.4796**	598.2434
931.4883	466.2478	9	V	8	**1032.4163**	516.7118
1098.4867	549.7470	10	S[167]	7	933.3478	467.1776
1265.4851	633.2462	11	S[167]	6	**766.3495**	383.6784
1362.5378	681.7726	12	P	5	**599.3511**	300.1792
1477.5648	**739.2860**	13	D	4	502.2984	251.6528
1590.6488	795.8281	14	L	3	**387.2714**	194.1393
1689.7172	845.3623	15	V	2	**274.1874**	137.5973
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.LHHNSVSDPVKSEDS$_{167}$S.-/3

0.9998

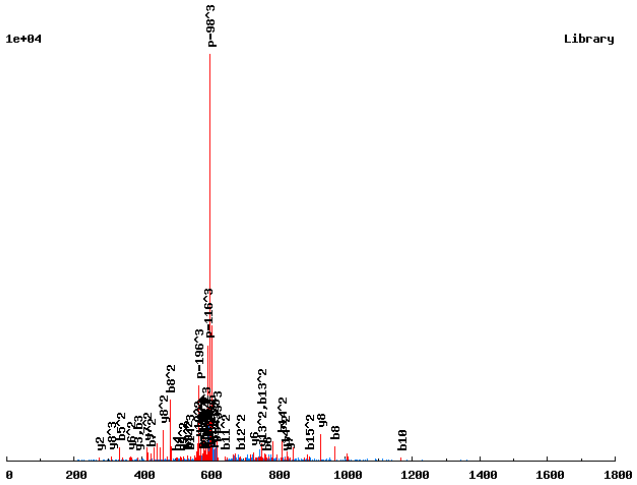


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	16			
251.1502	126.0788	84.3883	2	H	15	1704.6861	852.8467	**568.9002**
388.2092	194.6082	130.0746	3	H	14	1567.6272	784.3172	523.2139
502.2521	**251.6297**	168.0889	4	N	13	1430.5683	**715.7878**	477.5276
589.2841	295.1457	197.0996	5	S	12	1316.5253	658.7663	439.5133
688.3525	**344.6799**	230.1224	6	V	11	1229.4933	615.2503	410.5026
775.3846	**388.1959**	259.1330	7	S	10	**1130.4249**	**565.7161**	377.4798
890.4115	**445.7094**	297.4754	8	D	9	**1043.3929**	**522.2001**	348.4691
987.4643	**494.2358**	**329.8263**	9	P	8	**928.3659**	**464.6866**	310.1268
1086.5327	**543.7700**	362.8491	10	V	7	**831.3132**	**416.1602**	277.7759
1214.6276	607.8175	405.5474	11	K	6	**732.2448**	366.6260	244.7531
1301.6597	**651.3335**	434.5581	12	S	5	604.1498	302.5785	202.0548
1430.7023	**715.8548**	477.5723	13	E	4	**517.1178**	259.0625	173.0441
1545.7292	**773.3682**	**515.9146**	14	D	3	**388.0752**	194.5412	130.0299
1712.7276	**856.8674**	**571.5807**	15	S[167]	2	273.0482	137.0278	91.6876
			16	S	1	106.0499	53.5286	36.0215

Annotated spectra from Saleem et. al. 2009

R.LHHNS$_{167}$VSDPVKSEDS$_{167}$S.-/3

1

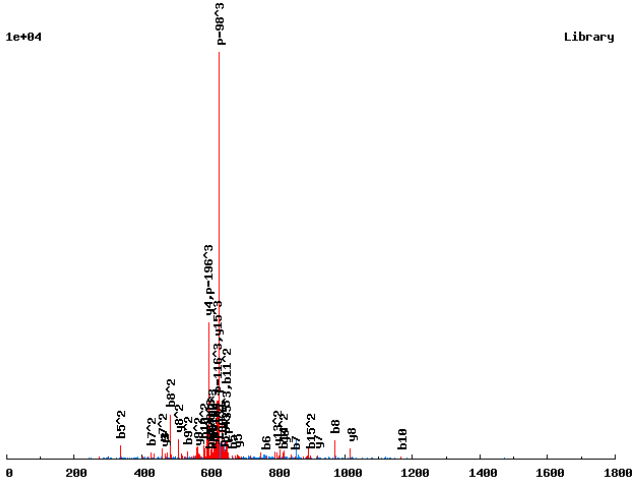


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	16			
251.1502	126.0788	84.3883	2	H	15	1784.6524	892.8298	**595.5557**
388.2092	194.6082	130.0746	3	H	14	1647.5935	**824.3004**	549.8694
502.2521	251.6297	168.0889	4	N	13	1510.5346	**755.7709**	504.1831
669.2505	**335.1289**	223.7550	5	S[167]	12	1396.4917	698.7495	466.1687
768.3189	384.6631	256.7778	6	V	11	1229.4933	**615.2503**	410.5026
855.3509	**428.1791**	285.7885	7	S	10	1130.4249	**565.7161**	377.4798
970.3778	**485.6926**	324.1308	8	D	9	1043.3929	**522.2001**	348.4691
1067.4306	**534.2189**	356.4817	9	P	8	**928.3659**	**464.6866**	**310.1268**
1166.4990	**583.7531**	389.5045	10	V	7	**831.3132**	**416.1602**	277.7759
1294.5940	**647.8006**	432.2028	11	K	6	**732.2448**	**366.6260**	244.7531
1381.6260	**691.3166**	461.2135	12	S	5	**604.1498**	302.5785	202.0548
1510.6686	**755.8379**	504.2277	13	E	4	**517.1178**	259.0625	173.0441
1625.6955	**813.3514**	**542.5700**	14	D	3	**388.0752**	194.5412	130.0299
1792.6939	**896.8506**	**598.2361**	15	S[167]	2	**273.0482**	137.0278	91.6876
			16	S	1	106.0499	53.5286	36.0215

Annotated spectra from Saleem et. al. 2009

R.LHHNS$_{167}$VSDPVK$_{136}$SEDS$_{167}$S$_{167}$-/3

0.991

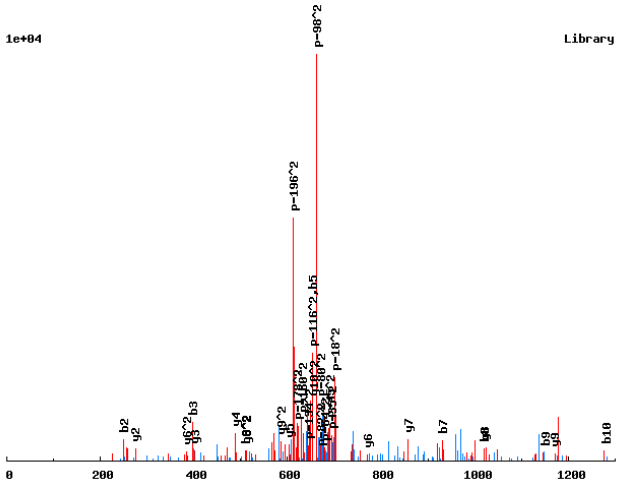


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	16			
251.1502	126.0788	84.3883	2	H	15	1872.6329	936.8201	**624.8825**
388.2092	194.6082	130.0746	3	H	14	1735.5740	868.2907	579.1962
502.2521	251.6297	168.0889	4	N	13	1598.5151	**799.7612**	533.5099
669.2505	**335.1289**	223.7550	5	S[167]	12	1484.4722	742.7397	495.4956
768.3189	384.6631	256.7778	6	V	11	1317.4738	659.2406	439.8295
855.3509	**428.1791**	285.7885	7	S	10	1218.4054	**609.7064**	406.8067
970.3778	**485.6926**	324.1308	8	D	9	1131.3734	**566.1903**	377.7960
1067.4306	**534.2189**	356.4817	9	P	8	**1016.3465**	**508.6769**	339.4537
1166.4990	**583.7531**	389.5045	10	V	7	**919.2937**	**460.1505**	307.1028
1302.6082	**651.8077**	434.8742	11	K[136]	6	**820.2253**	410.6163	274.0799
1389.6402	695.3237	463.8849	12	S	5	**684.1161**	342.5617	228.7102
1518.6828	759.8450	506.8991	13	E	4	**597.0841**	299.0457	199.6996
1633.7097	**817.3585**	545.2414	14	D	3	**468.0415**	234.5244	156.6854
1800.7081	**900.8577**	**600.9075**	15	S[167]	2	353.0146	177.0109	118.3430
			16	S[167]	1	186.0162	93.5117	62.6769

Annotated spectra from Saleem et. al. 2009

R.LHM$_{147}$S$_{167}$SS$_{167}$LSQQK.N/2

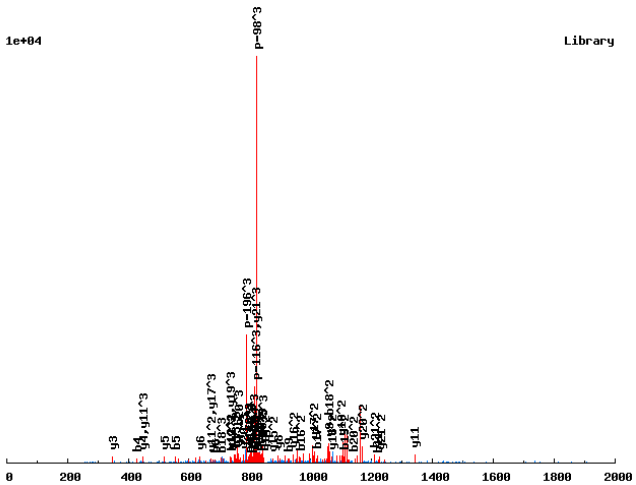
0.9956



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
251.1502	126.0788	2	H	10	1308.4691	654.7382
398.1856	199.5965	3	M[147]	9	1171.4102	586.2087
565.1840	283.0956	4	S[167]	8	1024.3748	512.6910
652.2160	326.6117	5	S	7	857.3764	429.1919
819.2144	410.1108	6	S[167]	6	770.3444	385.6758
932.2985	466.6529	7	L	5	603.3461	302.1767
1019.3305	510.1689	8	S	4	490.2620	245.6346
1147.3891	574.1982	9	Q	3	403.2300	202.1186
1275.4477	638.2275	10	Q	2	275.1714	138.0893
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.LIEAEKEGGS$_{167}$ES$_{167}$DS$_{167}$EEDATAEK.K/3

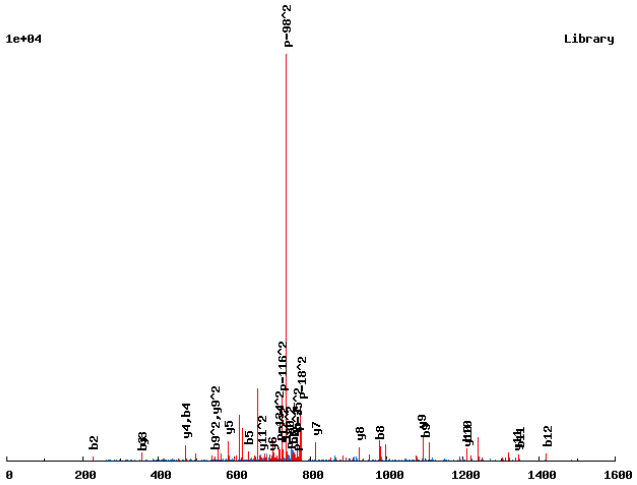


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	22			
227.1754	114.0913	76.3967	2	I	21	2450.8408	**1225.9241**	**817.6185**
356.2180	178.6126	119.4108	3	E	20	2337.7568	**1169.3820**	**779.9238**
427.2551	214.1312	143.0899	4	A	19	2208.7142	**1104.8607**	**736.9096**
556.2977	278.6525	186.1041	5	E	18	2137.6771	**1069.3422**	713.2305
684.3927	342.7000	228.8024	6	K	17	2008.6345	**1004.8209**	**670.2164**
813.4352	407.2213	271.8166	7	E	16	1880.5395	**940.7734**	627.5180
870.4567	435.7320	290.8238	8	G	15	1751.4969	**876.2521**	584.5038
927.4782	464.2427	309.8309	9	G	14	1694.4755	**847.7414**	565.4967
1094.4765	547.7419	365.4970	10	S[167]	13	1637.4540	**819.2307**	546.4895
1223.5191	612.2632	408.5112	11	E	12	1470.4557	**735.7315**	490.8234
1390.5175	695.7624	464.1773	12	S[167]	11	**1341.4131**	**671.2102**	**447.8092**
1505.5444	**753.2758**	502.5197	13	D	10	1174.4147	587.7110	392.1431
1672.5428	**836.7750**	558.1858	14	S[167]	9	**1059.3878**	530.1975	353.8008
1801.5854	901.2963	601.2000	15	E	8	**892.3894**	446.6983	298.1347
1930.6280	**965.8176**	644.2142	16	E	7	**763.3468**	382.1771	255.1205
2045.6549	**1023.3311**	682.5565	17	D	6	**634.3042**	317.6558	212.1063
2116.6920	**1058.8496**	**706.2355**	18	A	5	**519.2773**	260.1423	173.7640
2217.7397	**1109.3735**	**739.9181**	19	T	4	**448.2402**	224.6237	150.0849
2288.7768	**1144.8920**	**763.5971**	20	A	3	**347.1925**	174.0999	116.4024
2417.8194	**1209.4133**	**806.6113**	21	E	2	276.1554	138.5813	92.7233
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.LIEDS$_{167}$DNDIDHAK.D/2

0.9991

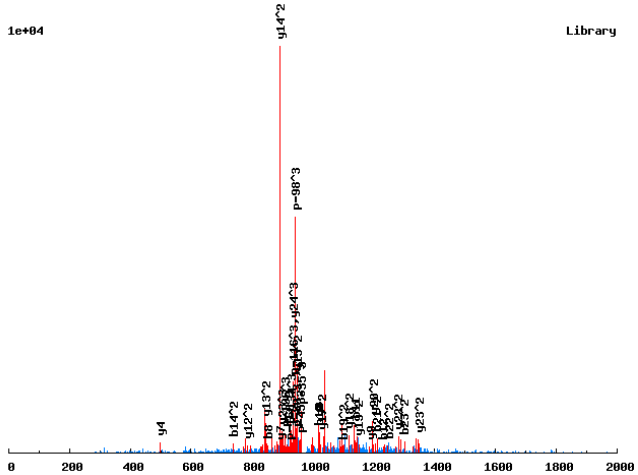


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
227.1754	114.0913	2	I	12	1451.5686	**726.2879**
356.2180	178.6126	3	E	11	**1338.4845**	**669.7459**
471.2449	236.1261	4	D	10	**1209.4419**	605.2246
638.2433	319.6253	5	S[167]	9	**1094.4150**	**547.7111**
753.2702	377.1388	6	D	8	**927.4166**	464.2120
867.3132	434.1602	7	N	7	**812.3897**	406.6985
982.3401	491.6737	8	D	6	**698.3468**	349.6770
1095.4242	**548.2157**	9	I	5	**583.3198**	292.1636
1210.4511	605.7292	10	D	4	**470.2358**	235.6215
1347.5100	674.2586	11	H	3	**355.2088**	178.1080
1418.5471	709.7772	12	A	2	218.1499	109.5786
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LIEGDTGS$_{167}$GIIPDEQER$_{166}$QS$_{167}$LIAIER$_{166}$.E/3

0.9096

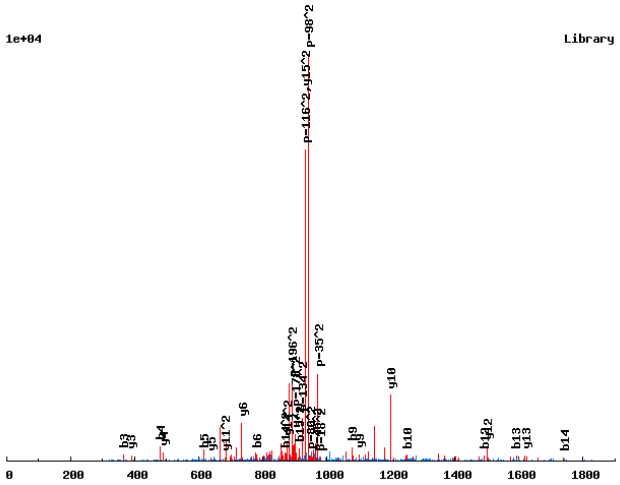


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	25			
227.1754	114.0913	76.3967	2	I	24	2806.2810	1403.6441	**936.0985**
356.2180	178.6126	119.4108	3	E	23	2693.1970	**1347.1021**	**898.4038**
413.2394	207.1234	138.4180	4	G	22	2564.1544	**1282.5808**	855.3896
528.2664	264.6368	176.7603	5	D	21	2507.1329	1254.0701	836.3825
629.3141	315.1607	210.4429	6	T	20	2392.1060	**1196.5566**	798.0402
686.3355	343.6714	229.4500	7	G	19	2291.0583	**1146.0328**	764.3576
853.3339	427.1706	285.1162	8	S[167]	18	2234.0368	**1117.5220**	745.3505
910.3554	455.6813	304.1233	9	G	17	2067.0385	**1034.0229**	689.6843
1023.4394	512.2233	341.8180	10	I	16	2010.0170	1005.5121	670.6772
1136.5235	568.7654	379.5127	11	I	15	1896.9329	**948.9701**	632.9825
1233.5762	617.2918	411.8636	12	P	14	1783.8489	**892.4281**	595.2878
1348.6032	674.8052	450.2059	13	D	13	1686.7961	**843.9017**	562.9369
1477.6458	**739.3265**	493.2201	14	E	12	1571.7692	**786.3882**	524.5946
1605.7043	803.3558	535.9063	15	Q	11	1442.7266	721.8669	481.5804
1734.7469	867.8771	578.9205	16	E	10	1314.6680	657.8376	438.8942
1900.8563	950.9318	634.2903	17	R[166]	9	**1185.6254**	593.3163	395.8800
2028.9149	1014.9611	676.9765	18	Q	8	**1019.5160**	510.2617	340.5102
2195.9133	**1098.4603**	732.6426	19	S[167]	7	**891.4575**	446.2324	297.8240
2308.9973	1155.0023	770.3373	20	L	6	724.4591	362.7332	242.1579
2422.0814	**1211.5443**	808.0320	21	I	5	611.3750	306.1912	204.4632
2493.1185	**1247.0629**	831.7110	22	A	4	**498.2910**	249.6491	166.7685
2606.2025	**1303.6049**	869.4057	23	I	3	427.2539	214.1306	143.0895
2735.2451	1368.1262	912.4199	24	E	2	314.1698	157.5885	105.3948
			25	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.LIHDK$_{136}$S$_{167}$PISS$_{167}$PFTFSK$_{136}$.D/2

0.9967

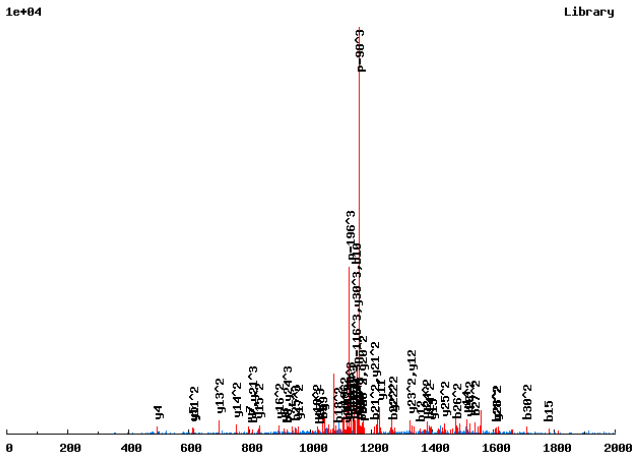


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	16		
227.1754	114.0913	2	I	15	1866.8409	**933.9241**
364.2343	182.6208	3	H	14	1753.7569	**877.3821**
479.2612	240.1343	4	D	13	**1616.6980**	808.8526
615.3704	308.1888	5	K[136]	12	**1501.6710**	751.3392
782.3688	391.6880	6	S[167]	11	1365.5619	**683.2846**
879.4215	440.2144	7	P	10	**1198.5635**	599.7854
992.5056	496.7564	8	I	9	**1101.5107**	551.2590
1079.5376	540.2725	9	S	8	988.4267	494.7170
1246.5360	623.7716	10	S[167]	7	**901.3946**	451.2010
1343.5887	672.2980	11	P	6	**734.3963**	367.7018
1490.6572	745.8322	12	F	5	**637.3435**	319.1754
1591.7048	796.3561	13	T	4	**490.2751**	245.6412
1738.7732	**869.8903**	14	F	3	**389.2274**	195.1174
1825.8053	**913.4063**	15	S	2	242.1590	121.5832
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

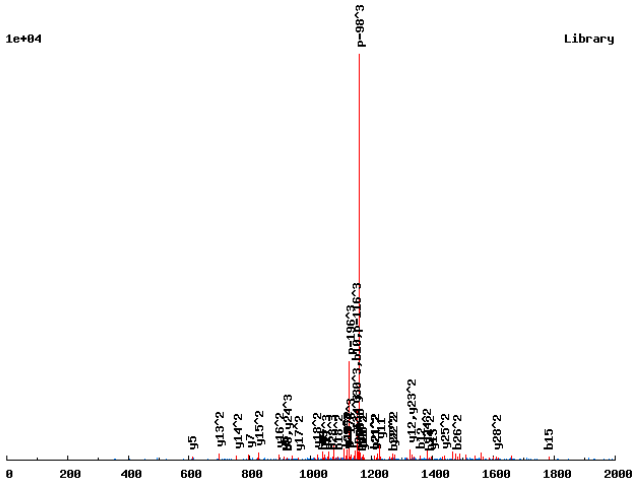
K.LIQGLS$_{167}$DDDDAK$_{136}$S$_{167}$EQEFDAVADEDADDK$_{136}$GFK$_{136}$.N/3

1



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	31			
227.1754	114.0913	76.3967	2	I	30	3457.3941	1729.2007	**1153.1362**
355.2340	178.1206	119.0828	3	Q	29	3344.3101	1672.6587	**1115.4415**
412.2554	206.6314	138.0900	4	G	28	3216.2515	**1608.6294**	1072.7554
525.3395	263.1734	175.7847	5	L	27	3159.2300	1580.1187	1053.7482
692.3379	346.6726	231.4508	6	S[167]	26	3046.1460	**1523.5766**	1016.0535
807.3648	404.1860	269.7931	7	D	25	2879.1476	**1440.0774**	960.3874
922.3917	461.6995	308.1354	8	D	24	2764.1207	**1382.5640**	**922.0451**
1037.4187	519.2130	346.4777	9	D	23	2649.0937	**1325.0505**	883.7028
1152.4456	576.7265	384.8201	10	D	22	2534.0668	**1267.5370**	845.3605
1223.4827	612.2450	408.4991	11	A	21	2419.0399	**1210.0236**	**807.0181**
1359.5919	680.2996	453.8688	12	K[136]	20	2348.0027	**1174.5050**	783.3391
1526.5903	763.7988	509.5349	13	S[167]	19	2211.8936	**1106.4504**	737.9694
1655.6328	828.3201	552.5491	14	E	18	2044.8952	**1022.9513**	682.3033
1783.6914	892.3494	595.2353	15	Q	17	1915.8526	**958.4300**	639.2891
1912.7340	956.8706	638.2495	16	E	16	1787.7941	**894.4007**	596.6029
2059.8024	1030.4049	687.2723	17	F	15	1658.7515	**829.8794**	553.5887
2174.8294	**1087.9183**	725.6146	18	D	14	**1511.6831**	**756.3452**	504.5659
2245.8665	**1123.4369**	749.2937	19	A	13	**1396.6561**	**698.8317**	466.2236
2344.9349	**1172.9711**	782.3165	20	V	12	**1325.6190**	663.3131	442.5445
2415.9720	**1208.4896**	805.9955	21	A	11	**1226.5506**	**613.7789**	409.5217
2530.9989	**1266.0031**	844.3378	22	D	10	**1155.5135**	578.2604	385.8427
2660.0415	1330.5244	887.3520	23	E	9	**1040.4865**	520.7469	347.5004
2775.0685	**1388.0379**	925.6943	24	D	8	**911.4440**	456.2256	304.4862
2846.1056	1423.5564	**949.3734**	25	A	7	**796.4170**	398.7121	266.1439
2961.1325	**1481.0699**	987.7157	26	D	6	725.3799	363.1936	242.4648
3076.1595	**1538.5834**	**1026.0580**	27	D	5	**610.3530**	305.6801	204.1225
3212.2686	**1606.6379**	1071.4277	28	K[136]	4	**495.3260**	248.1667	165.7802
3269.2901	1635.1487	1090.4349	29	G	3	359.2169	180.1121	120.4105
3416.3585	**1708.6829**	**1139.4577**	30	F	2	302.1954	151.6013	101.4033
			31	K[136]	1	155.1270	78.0671	52.3805

1



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	31			
227.1754	114.0913	76.3967	2	I	30	3457.3941	1729.2007	**1153.1362**
355.2340	178.1206	119.0828	3	Q	29	3344.3101	1672.6587	**1115.4415**
412.2554	206.6314	138.0900	4	G	28	3216.2515	**1608.6294**	1072.7554
525.3395	263.1734	175.7847	5	L	27	3159.2300	1580.1187	**1053.7482**
692.3379	346.6726	231.4508	6	S[167]	26	3046.1460	1523.5766	1016.0535
807.3648	404.1860	269.7931	7	D	25	2879.1476	**1440.0774**	960.3874
922.3917	461.6995	308.1354	8	D	24	2764.1207	**1382.5640**	**922.0451**
1037.4187	519.2130	346.4777	9	D	23	2649.0937	**1325.0505**	883.7028
1152.4456	576.7265	384.8201	10	D	22	2534.0668	**1267.5370**	845.3605
1223.4827	612.2450	408.4991	11	A	21	2419.0399	**1210.0236**	807.0181
1359.5919	680.2996	453.8688	12	K[136]	20	2348.0027	**1174.5050**	783.3391
1526.5903	763.7988	509.5349	13	S[167]	19	2211.8936	1106.4504	737.9694
1655.6328	828.3201	552.5491	14	E	18	2044.8952	**1022.9513**	682.3033
1783.6914	892.3494	595.2353	15	Q	17	1915.8526	**958.4300**	639.2891
1912.7340	956.8706	638.2495	16	E	16	1787.7941	**894.4007**	596.6029
2059.8024	1030.4049	687.2723	17	F	15	1658.7515	**829.8794**	553.5887
2174.8294	**1087.9183**	725.6146	18	D	14	1511.6831	**756.3452**	504.5659
2245.8665	**1123.4369**	749.2937	19	A	13	**1396.6561**	**698.8317**	466.2236
2344.9349	**1172.9711**	782.3165	20	V	12	**1325.6190**	663.3131	442.5445

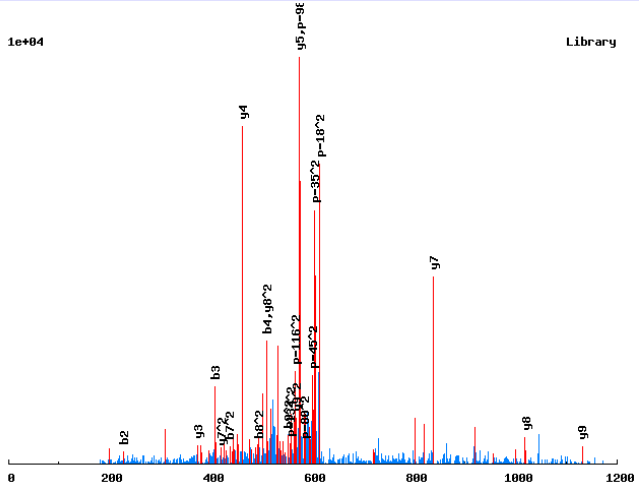
Annotated spectra from Saleem et. al. 2009

2415.9720	**1208.4896**	805.9955	**21**	**A**	**11**	**1226.5506**	613.7789	409.5217
2530.9989	**1266.0031**	844.3378	**22**	**D**	**10**	**1155.5135**	578.2604	385.8427
2660.0415	1330.5244	887.3520	**23**	**E**	**9**	**1040.4865**	520.7469	347.5004
2775.0685	**1388.0379**	925.6943	**24**	**D**	**8**	**911.4440**	456.2256	304.4862
2846.1056	1423.5564	949.3734	**25**	**A**	**7**	**796.4170**	398.7121	266.1439
2961.1325	**1481.0699**	987.7157	**26**	**D**	**6**	725.3799	363.1936	242.4648
3076.1595	1538.5834	1026.0580	**27**	**D**	**5**	**610.3530**	305.6801	204.1225
3212.2686	1606.6379	**1071.4277**	**28**	**K[136]**	**4**	495.3260	248.1667	165.7802
3269.2901	1635.1487	1090.4349	**29**	**G**	**3**	359.2169	180.1121	120.4105
3416.3585	1708.6829	1139.4577	**30**	**F**	**2**	302.1954	151.6013	101.4033
			31	**K[136]**	**1**	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.LIT$_{181}$TYISLLK.L/2

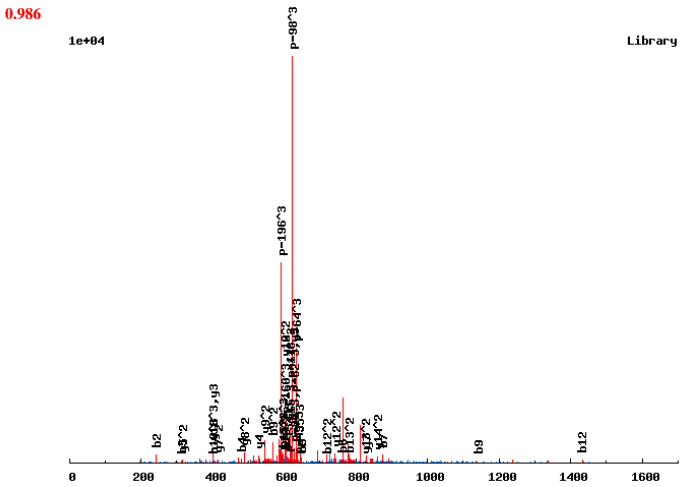
0.9475



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	10		
227.1754	114.0913	2	I	9	**1131.6061**	**566.3067**
408.1894	204.5983	3	T[181]	8	**1018.5220**	**509.7647**
509.2371	255.1222	4	T	7	**837.5080**	**419.2577**
672.3004	336.6539	5	Y	6	736.4603	368.7338
785.3845	393.1959	6	I	5	**573.3970**	287.2021
872.4165	**436.7119**	7	S	4	**460.3130**	230.6601
985.5006	**493.2539**	8	L	3	**373.2809**	187.1441
1098.5846	**549.7960**	9	L	2	260.1969	130.6021
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LKAS$_{167}$S$_{167}$LDLM$_{147}$AEVKPER.L/3

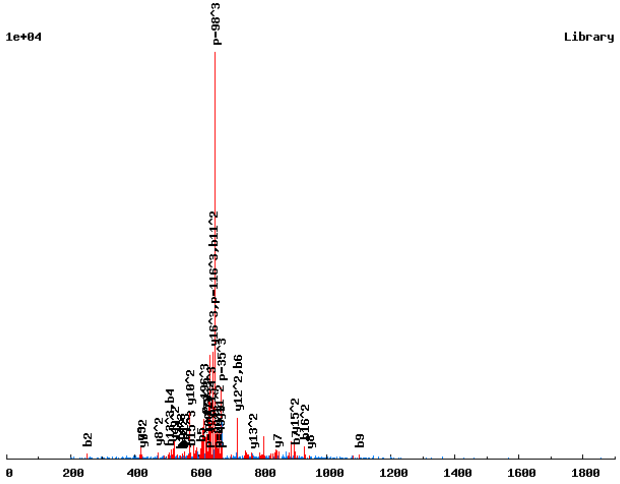


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	16			
242.1863	121.5968	81.4003	2	K	15	1849.8166	925.4120	**617.2771**
313.2234	157.1153	105.0793	3	A	14	1721.7217	**861.3645**	574.5787
480.2218	240.6145	160.7454	4	S[167]	13	1650.6846	**825.8459**	550.8997
647.2201	324.1137	216.4116	5	S[167]	12	1483.6862	**742.3467**	495.2336
760.3042	380.6557	254.1063	6	L	11	1316.6878	658.8476	439.5675
875.3311	438.1692	292.4486	7	D	10	1203.6038	**602.3055**	**401.8728**
988.4152	494.7112	330.1433	8	L	9	1088.5768	**544.7921**	363.5305
1135.4506	**568.2289**	379.1551	9	M[147]	8	975.4928	**488.2500**	325.8358
1206.4877	**603.7475**	**402.8341**	10	A	7	**828.4574**	**414.7323**	276.8240
1335.5303	668.2688	445.8483	11	E	6	757.4203	379.2138	253.1449
1434.5987	**717.8030**	478.8711	12	V	5	**628.3777**	**314.6925**	210.1307
1562.6937	**781.8505**	521.5694	13	K	4	**529.3093**	265.1583	177.1079
1659.7464	830.3769	553.9203	14	P	3	**401.2143**	201.1108	134.4096
1788.7890	894.8981	**596.9345**	15	E	2	304.1615	152.5844	102.0587
			16	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.LK$_{136}$EEVLT$_{181}$PTTSAS$_{167}$TPHR$_{166}$.I/3

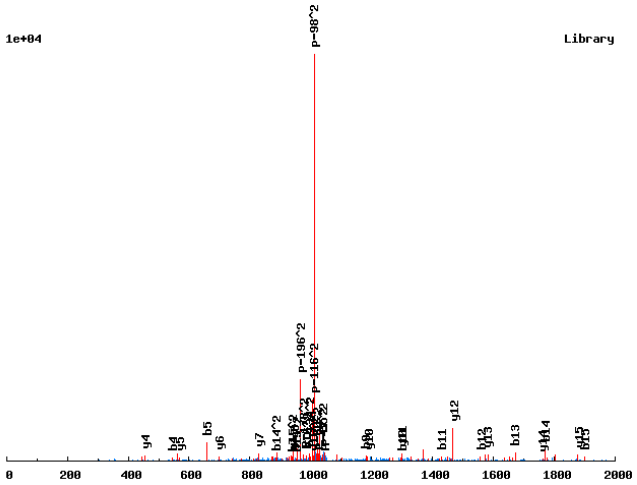
0.9997



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	17			
250.2005	125.6039	84.0717	2	K[136]	16	1931.8630	966.4351	**644.6259**
379.2431	190.1252	127.0859	3	E	15	1795.7539	**898.3806**	599.2561
508.2857	254.6465	170.1001	4	E	14	1666.7113	833.8593	**556.2419**
607.3541	304.1807	203.1229	5	V	13	1537.6687	**769.3380**	513.2277
720.4381	360.7227	240.8176	6	L	12	1438.6003	**719.8038**	480.2049
901.4522	451.2297	301.1556	7	T[181]	11	1325.5162	**663.2617**	442.5103
998.5049	499.7561	333.5065	8	P	10	1144.5022	**572.7547**	382.1723
1099.5526	**550.2799**	367.1891	9	T	9	1047.4494	**524.2284**	349.8213
1200.6003	600.8038	400.8716	10	T	8	**946.4018**	**473.7045**	316.1388
1287.6323	**644.3198**	429.8823	11	S	7	**845.3541**	**423.1807**	282.4562
1358.6694	679.8383	453.5613	12	A	6	758.3220	379.6647	253.4455
1525.6678	763.3375	**509.2274**	13	S[167]	5	687.2849	344.1461	229.7665
1626.7155	813.8614	**542.9100**	14	T	4	**520.2866**	260.6469	174.1004
1723.7682	862.3878	**575.2609**	15	P	3	**419.2389**	210.1231	140.4178
1860.8271	**930.9172**	620.9472	16	H	2	322.1861	161.5967	108.0669
			17	R[166]	1	185.1272	93.0672	62.3806

K.LK$_{136}$IT$_{181}$DS$_{167}$NLENMEDVEAK$_{136}$.S/2

0.9996

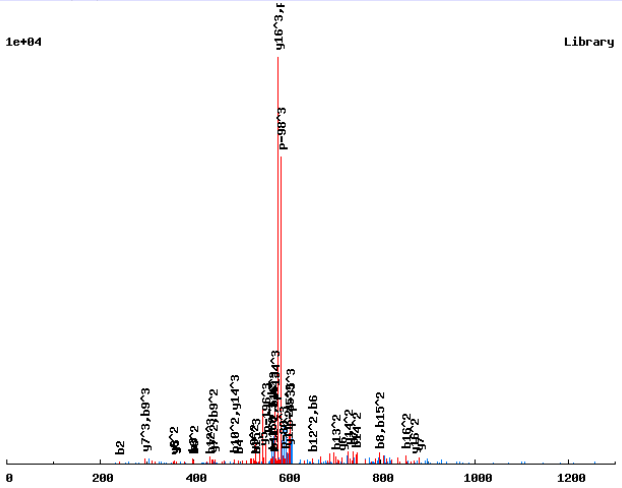


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	17		
250.2005	125.6039	2	K[136]	16	2011.8302	**1006.4187**
363.2846	182.1459	3	I	15	**1875.7210**	**938.3641**
544.2986	272.6529	4	T[181]	14	**1762.6370**	881.8221
659.3255	330.1664	5	D	13	**1581.6229**	791.3151
826.3239	413.6656	6	S[167]	12	**1466.5960**	733.8016
940.3668	470.6870	7	N	11	**1299.5976**	650.3025
1053.4509	527.2291	8	L	10	**1185.5547**	593.2810
1182.4935	591.7504	9	E	9	1072.4706	536.7390
1296.5364	648.7718	10	N	8	**943.4281**	472.2177
1427.5769	714.2921	11	M	7	**829.3851**	415.1962
1556.6195	778.8134	12	E	6	**698.3446**	349.6760
1671.6464	836.3268	13	D	5	**569.3020**	285.1547
1770.7148	**885.8610**	14	V	4	**454.2751**	227.6412
1899.7574	**950.3823**	15	E	3	355.2067	178.1070
1970.7945	**985.9009**	16	A	2	226.1641	113.5857
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.LKRPASSGSSS$_{167}$S$_{167}$TSVNK.T/3

0.9603

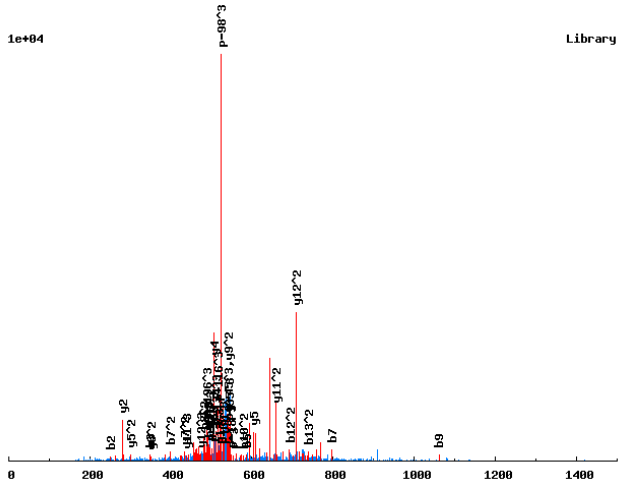


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	17			
242.1863	121.5968	81.4003	2	K	16	1739.7361	**870.3717**	**580.5836**
398.2874	199.6473	133.4340	3	R	15	1611.6411	806.3242	537.8852
495.3402	248.1737	165.7849	4	P	14	1455.5400	**728.2737**	**485.8515**
566.3773	283.6923	189.4639	5	A	13	1358.4873	679.7473	453.5006
653.4093	327.2083	218.4746	6	S	12	1287.4502	644.2287	429.8216
740.4413	370.7243	247.4853	7	S	11	1200.4181	**600.7127**	400.8109
797.4628	**399.2350**	266.4925	8	G	10	1113.3861	557.1967	371.8002
884.4948	**442.7511**	**295.5031**	9	S	9	1056.3646	**528.6860**	352.7931
971.5269	**486.2671**	324.5138	10	S	8	969.3326	485.1699	323.7824
1138.5252	**569.7663**	380.1799	11	S[167]	7	**882.3006**	**441.6539**	**294.7717**
1305.5236	**653.2654**	**435.8460**	12	S[167]	6	**715.3022**	**358.1547**	239.1056
1406.5713	**703.7893**	469.5286	13	T	5	**548.3039**	274.6556	183.4395
1493.6033	**747.3053**	498.5393	14	S	4	447.2562	224.1317	149.7569
1592.6717	**796.8395**	**531.5621**	15	V	3	**360.2241**	180.6157	120.7462
1706.7146	**853.8610**	**569.5764**	16	N	2	261.1557	131.0815	87.7234
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.LK$_{136}$VAR$_{166}$PLS$_{167}$VPGS$_{167}$PR$_{166}$.D/3

0.9985

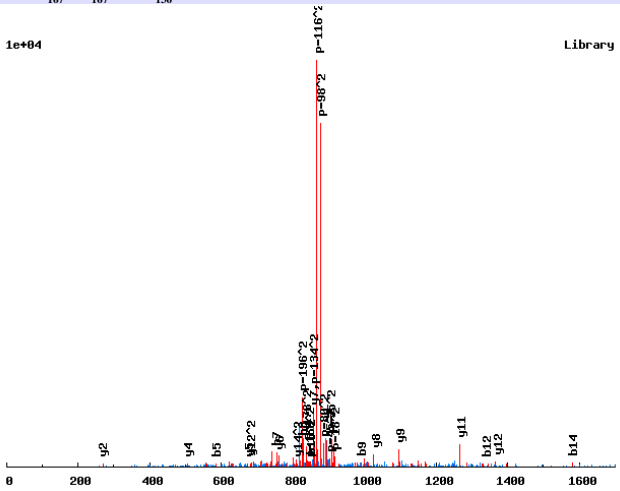


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	14			
250.2005	125.6039	84.0717	2	K[136]	13	1551.7802	776.3937	**517.9316**
349.2689	175.1381	117.0945	3	V	12	1415.6711	**708.3392**	**472.5619**
420.3060	210.6566	140.7735	4	A	11	1316.6026	**658.8050**	**439.5391**
586.4154	293.7113	196.1433	5	R[166]	10	1245.5655	623.2864	415.8600
683.4682	342.2377	228.4942	6	P	9	1079.4562	**540.2317**	360.4902
796.5522	**398.7797**	266.1889	7	L	8	982.4034	**491.7053**	328.1393
963.5506	**482.2789**	321.8550	8	S[167]	7	869.3193	**435.1633**	290.4446
1062.6190	**531.8131**	354.8778	9	V	6	702.3210	**351.6641**	234.7785
1159.6717	**580.3395**	387.2288	10	P	5	**603.2526**	**302.1299**	201.7557
1216.6932	608.8502	406.2359	11	G	4	**506.1998**	253.6035	169.4048
1383.6916	**692.3494**	461.9020	12	S[167]	3	449.1783	225.0928	150.3976
1480.7443	**740.8758**	**494.2530**	13	P	2	**282.1800**	141.5936	94.7315
			14	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.LLEEVGLAS$_{167}$PSS$_{167}$THNK$_{136}$.T/2

0.9982

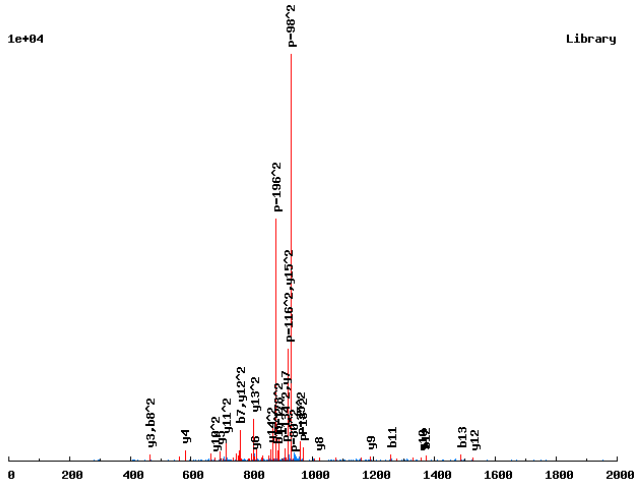


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	16		
227.1754	114.0913	2	L	15	1736.7383	**868.8728**
356.2180	178.6126	3	E	14	1623.6543	**812.3308**
485.2606	243.1339	4	E	13	1494.6117	747.8095
584.3290	292.6681	5	V	12	**1365.5691**	**683.2882**
641.3505	321.1789	6	G	11	**1266.5007**	633.7540
754.4345	377.7209	7	L	10	1209.4792	605.2432
825.4716	413.2395	8	A	9	**1096.3951**	548.7012
992.4700	496.7386	9	S[167]	8	**1025.3580**	513.1827
1089.5227	545.2650	10	P	7	**858.3597**	429.6835
1176.5548	588.7810	11	S	6	**761.3069**	381.1571
1343.5531	672.2802	12	S[167]	5	**674.2749**	337.6411
1444.6008	722.8040	13	T	4	**507.2765**	254.1419
1581.6597	791.3335	14	H	3	406.2288	203.6181
1695.7027	**848.3550**	15	N	2	**269.1699**	135.0886
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.LLLSPAS$_{167}$S$_{167}$NVDDDR$_{166}$NR$_{166}$.G/2

0.9993

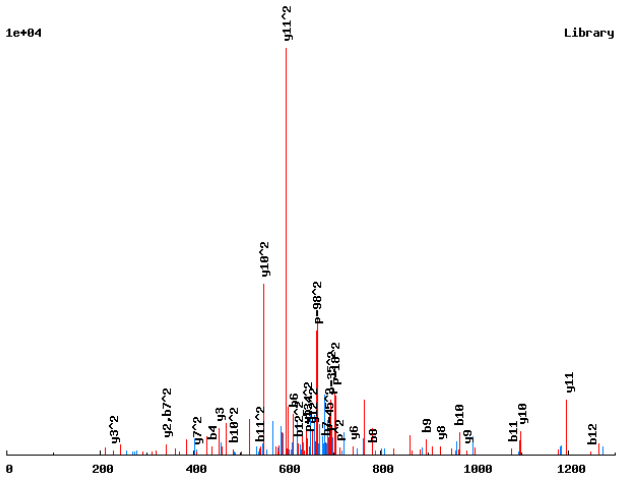


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	16		
227.1754	114.0913	2	L	15	1838.7584	**919.8829**
340.2595	170.6334	3	L	14	1725.6744	**863.3408**
427.2915	214.1494	4	S	13	1612.5903	**806.7988**
524.3442	262.6758	5	P	12	**1525.5583**	**763.2828**
595.3814	298.1943	6	A	11	1428.5055	**714.7564**
762.3797	381.6935	7	S[167]	10	**1357.4684**	**679.2378**
929.3781	**465.1927**	8	S[167]	9	**1190.4700**	595.7387
1043.4210	522.2141	9	N	8	**1023.4717**	512.2395
1142.4894	571.7484	10	V	7	**909.4288**	455.2180
1257.5164	629.2618	11	D	6	**810.3603**	405.6838
1372.5433	686.7753	12	D	5	**695.3334**	348.1703
1487.5702	744.2888	13	D	4	**580.3065**	290.6569
1653.6796	827.3435	14	R[166]	3	**465.2795**	233.1434
1767.7226	**884.3649**	15	N	2	299.1701	150.0887
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LLPDGDAVDALS$_{167}$R.K/2

0.988

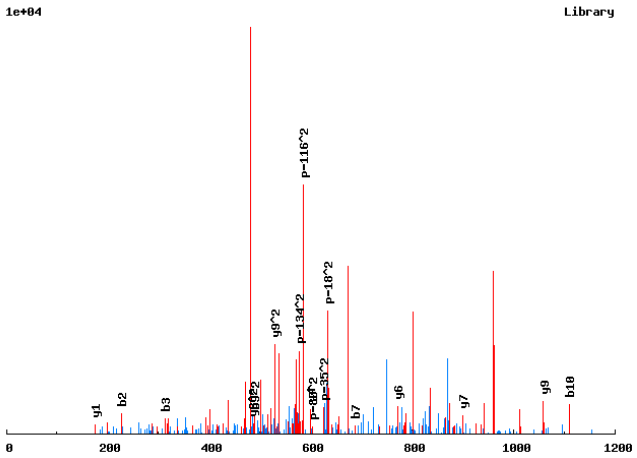


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
227.1754	114.0913	2	L	12	1308.5831	**654.7952**
324.2282	162.6177	3	P	11	**1195.4990**	**598.2532**
439.2551	220.1312	4	D	10	**1098.4463**	**549.7268**
496.2766	248.6419	5	G	9	**983.4193**	492.2133
611.3035	306.1554	6	D	8	**926.3979**	463.7026
682.3406	**341.6739**	7	A	7	811.3709	**406.1891**
781.4090	391.2081	8	V	6	**740.3338**	370.6706
896.4360	448.7216	9	D	5	**641.2654**	321.1364
967.4731	**484.2402**	10	A	4	526.2385	263.6229
1080.5571	**540.7822**	11	L	3	**455.2014**	**228.1043**
1247.5555	**624.2814**	12	S[167]	2	**342.1173**	171.5623
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.LLSAETAS$_{167}$KER.L/2

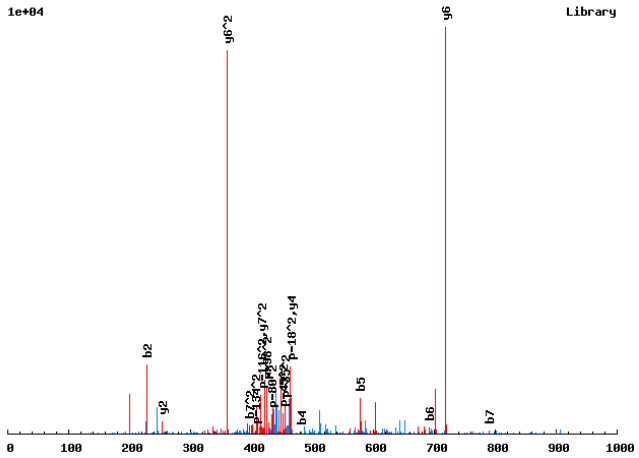
0.7289



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
227.1754	114.0913	2	L	10	1171.5354	586.2714
314.2074	157.6074	3	S	9	**1058.4514**	**529.7293**
385.2445	193.1259	4	A	8	971.4194	**486.2133**
514.2871	257.6472	5	E	7	**900.3822**	450.6948
615.3348	308.1710	6	T	6	**771.3397**	386.1735
686.3719	343.6896	7	A	5	670.2920	335.6496
853.3703	427.1888	8	S[167]	4	**599.2549**	300.1311
981.4652	**491.2363**	9	K	3	432.2565	216.6319
1110.5078	555.7576	10	E	2	304.1615	152.5844
		11	R	1	**175.1190**	88.0631

K.LLS$_{167}$SPIVK$_{136}$.K/2

0.9188

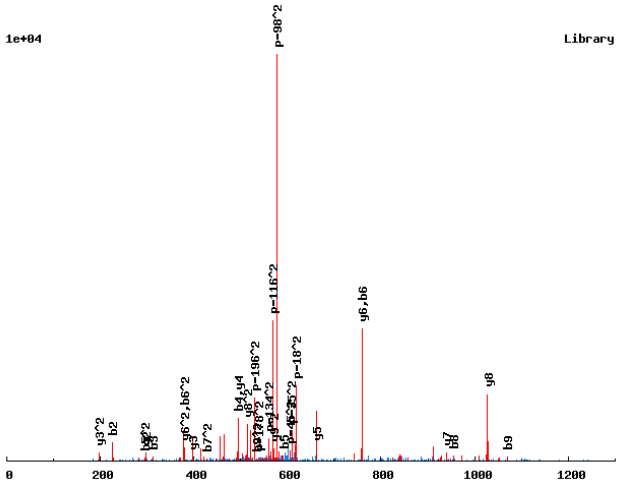


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	8		
227.1754	114.0913	2	L	7	831.4467	**416.2270**
394.1738	197.5905	3	S[167]	6	**718.3626**	**359.6850**
481.2058	241.1065	4	S	5	551.3643	276.1858
578.2586	289.6329	5	P	4	**464.3322**	232.6698
691.3426	346.1749	6	I	3	367.2795	184.1434
790.4110	**395.7092**	7	V	2	**254.1954**	127.6013
		8	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.LLST$_{181}$PS$_{167}$PVNR$_{166}$.S/2

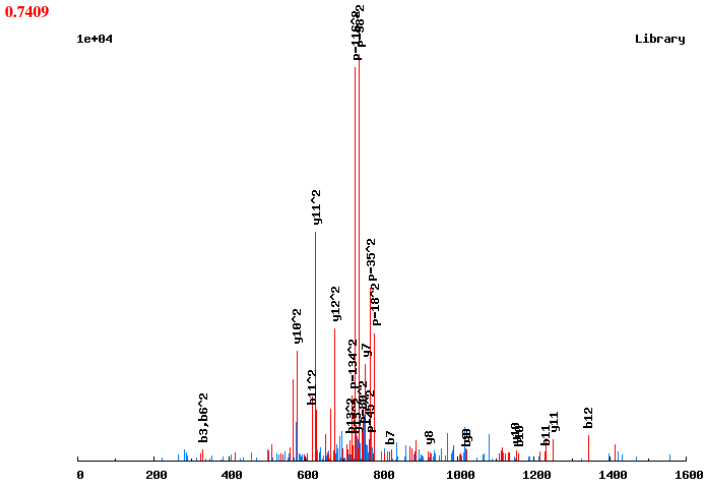
0.9732



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	10		
227.1754	114.0913	2	L	9	1140.4725	**570.7399**
314.2074	157.6074	3	S	8	**1027.3885**	**514.1979**
495.2214	248.1144	4	T[181]	7	**940.3565**	470.6819
592.2742	**296.6407**	5	P	6	**759.3424**	**380.1749**
759.2726	**380.1399**	6	S[167]	5	**662.2897**	331.6485
856.3253	**428.6663**	7	P	4	**495.2913**	248.1493
955.3937	478.2005	8	V	3	**398.2386**	**199.6229**
1069.4367	**535.2220**	9	N	2	**299.1701**	150.0887
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.LLTPQTS$_{167}$SNHALSK.M/2

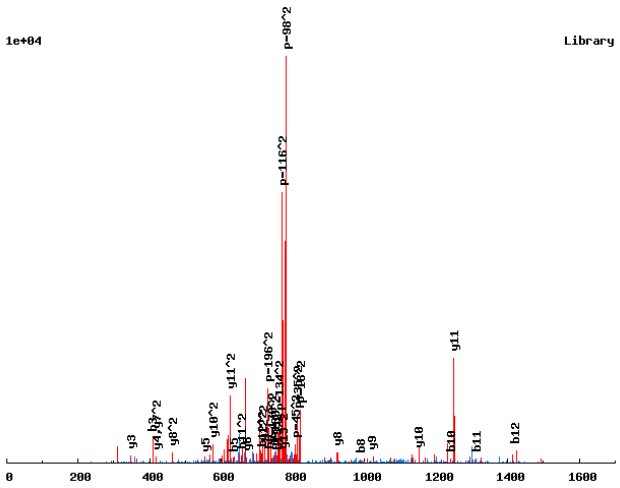


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	14		
227.1754	114.0913	2	L	13	1463.6890	**732.3481**
328.2231	164.6152	3	T	12	1350.6049	**675.8061**
425.2758	213.1416	4	P	11	**1249.5573**	**625.2823**
553.3344	277.1709	5	Q	10	**1152.5045**	**576.7559**
654.3821	**327.6947**	6	T	9	**1024.4459**	512.7266
821.3805	411.1939	7	S[167]	8	**923.3982**	462.2028
908.4125	454.7099	8	S	7	**756.3999**	378.7036
1022.4554	511.7314	9	N	6	669.3678	335.1876
1159.5143	580.2608	10	H	5	555.3249	278.1661
1230.5514	**615.7794**	11	A	4	418.2660	209.6366
1343.6355	672.3214	12	L	3	347.2289	174.1181
1430.6675	**715.8374**	13	S	2	234.1448	117.5761
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LLT$_{181}$PQTSS$_{167}$NHALSK.M/2

0.9512

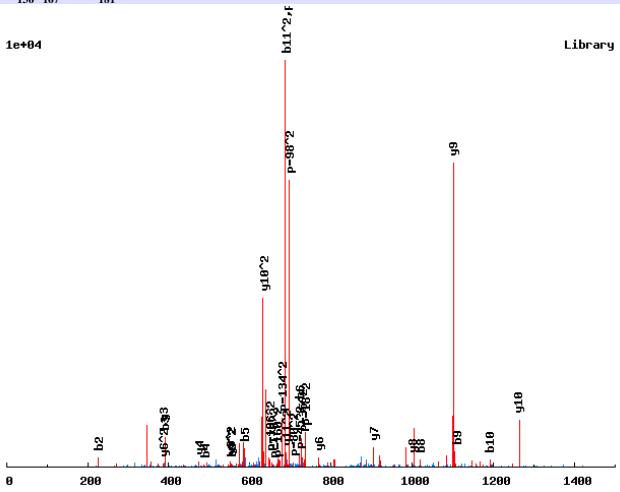


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	14		
227.1754	114.0913	2	L	13	1543.6553	**772.3313**
408.1894	204.5983	3	T[181]	12	1430.5713	**715.7893**
505.2422	253.1247	4	P	11	**1249.5573**	**625.2823**
633.3008	317.1540	5	Q	10	**1152.5045**	**576.7559**
734.3484	367.6779	6	T	9	**1024.4459**	512.7266
821.3805	411.1939	7	S	8	**923.3982**	**462.2028**
988.3788	494.6931	8	S[167]	7	836.3662	**418.6867**
1102.4218	551.7145	9	N	6	**669.3678**	335.1876
1239.4807	620.2440	10	H	5	**555.3249**	278.1661
1310.5178	**655.7625**	11	A	4	**418.2660**	209.6366
1423.6018	**712.3046**	12	L	3	**347.2289**	174.1181
1510.6339	**755.8206**	13	S	2	234.1448	117.5761
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.LLYPVK$_{136}$S$_{167}$ESST$_{181}$V.-/2

0.9887

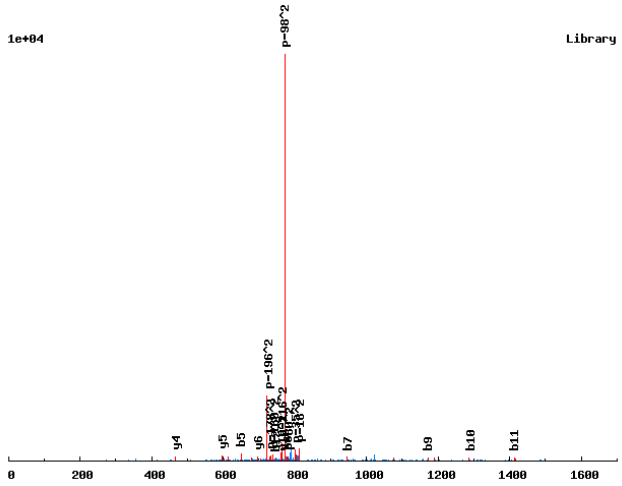


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	12		
227.1754	114.0913	2	L	11	1377.5830	**689.2951**
390.2387	195.6230	3	Y	10	**1264.4989**	**632.7531**
487.2915	244.1494	4	P	9	**1101.4356**	**551.2214**
586.3599	293.6836	5	V	8	**1004.3828**	502.6951
722.4691	361.7382	6	K[136]	7	**905.3144**	453.1609
889.4674	445.2373	7	S[167]	6	**769.2053**	**385.1063**
1018.5100	509.7586	8	E	5	602.2069	301.6071
1105.5420	**553.2747**	9	S	4	**473.1643**	237.0858
1192.5741	596.7907	10	S	3	**386.1323**	193.5698
1373.5881	**687.2977**	11	T[181]	2	299.1003	150.0538
		12	V	1	118.0862	59.5468

Annotated spectra from Saleem et. al. 2009

K.LMAS$_{167}$R$_{166}$ES$_{167}$VELQAK$_{136}$.K/2

0.8682

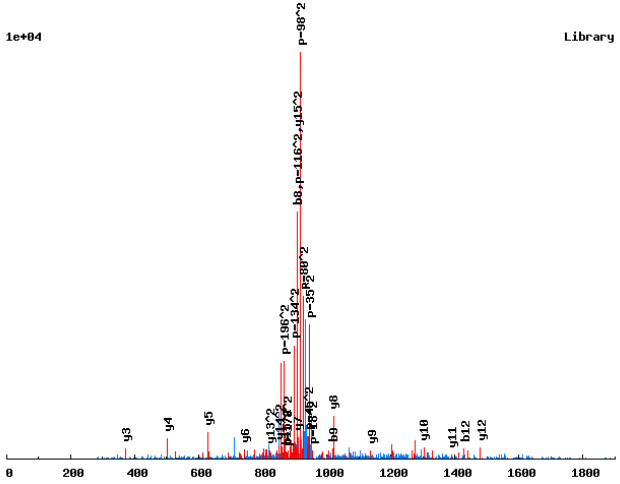


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
245.1318	123.0696	2	M	12	1526.6440	**763.8257**
316.1689	158.5881	3	A	11	1395.6035	698.3054
483.1673	242.0873	4	S[167]	10	1324.5664	662.7869
649.2767	325.1420	5	R[166]	9	1157.5681	579.2877
778.3193	389.6633	6	E	8	991.4587	496.2330
945.3176	473.1625	7	S[167]	7	862.4161	431.7117
1044.3860	522.6967	8	V	6	**695.4177**	348.2125
1173.4286	587.2180	9	E	5	**596.3493**	298.6783
1286.5127	643.7600	10	L	4	**467.3067**	234.1570
1414.5713	707.7893	11	Q	3	354.2227	177.6150
1485.6084	**743.3078**	12	A	2	226.1641	113.5857
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.LNGS$_{167}$SSS$_{167}$INS$_{167}$LQQSTR$_{166}$.S/2

0.9988

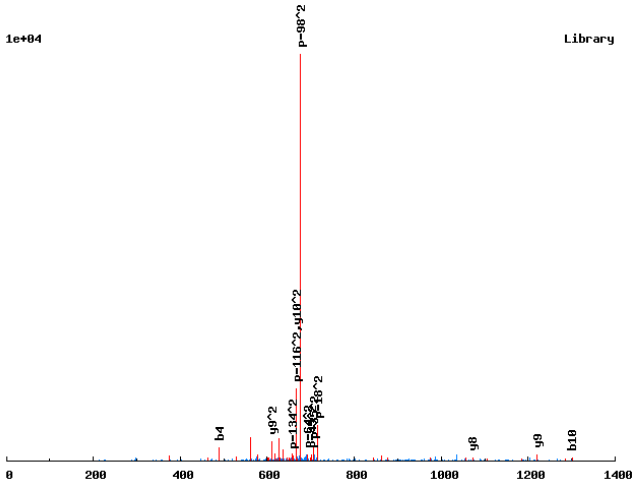


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	16		
228.1343	114.5708	2	N	15	1815.6587	**908.3330**
285.1557	143.0815	3	G	14	1701.6157	**851.3115**
452.1541	226.5807	4	S[167]	13	1644.5943	**822.8008**
539.1861	270.0967	5	S	12	**1477.5959**	739.3016
626.2182	313.6127	6	S	11	**1390.5639**	695.7856
793.2165	397.1119	7	S[167]	10	**1303.5319**	652.2696
906.3006	453.6539	8	I	9	**1136.5335**	568.7704
1020.3435	510.6754	9	N	8	**1023.4494**	512.2284
1187.3419	594.1746	10	S[167]	7	**909.4065**	455.2069
1300.4259	650.7166	11	L	6	**742.4081**	371.7077
1428.4845	714.7459	12	Q	5	**629.3241**	315.1657
1556.5431	778.7752	13	Q	4	**501.2655**	251.1364
1643.5751	822.2912	14	S	3	**373.2069**	187.1071
1744.6228	**872.8150**	15	T	2	286.1749	143.5911
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LNM$_{147}$IYNET$_{181}$PEK.F/2

0.625

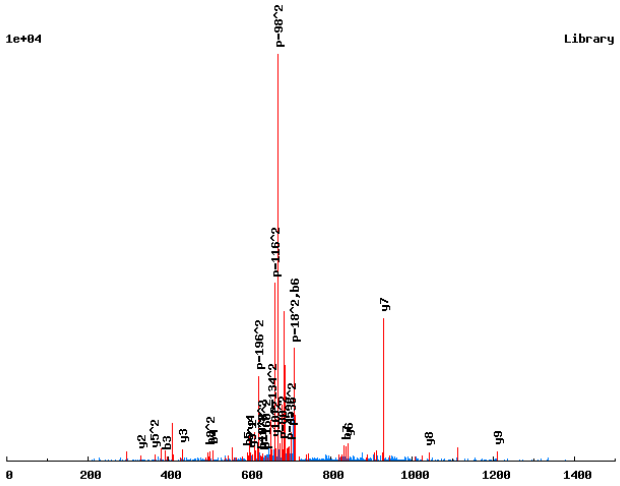


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
228.1343	114.5708	2	N	10	1334.5334	**667.7703**
375.1697	188.0885	3	M[147]	9	**1220.4905**	**610.7489**
488.2537	244.6305	4	I	8	**1073.4551**	537.2312
651.3171	326.1622	5	Y	7	960.3710	480.6891
765.3600	383.1836	6	N	6	797.3077	399.1575
894.4026	447.7049	7	E	5	683.2648	342.1360
1075.4166	538.2119	8	T[181]	4	554.2222	277.6147
1172.4694	586.7383	9	P	3	373.2081	187.1077
1301.5119	651.2596	10	E	2	276.1554	138.5813
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LNS$_{167}$LSNQS$_{167}$TFR$_{166}$.S/2

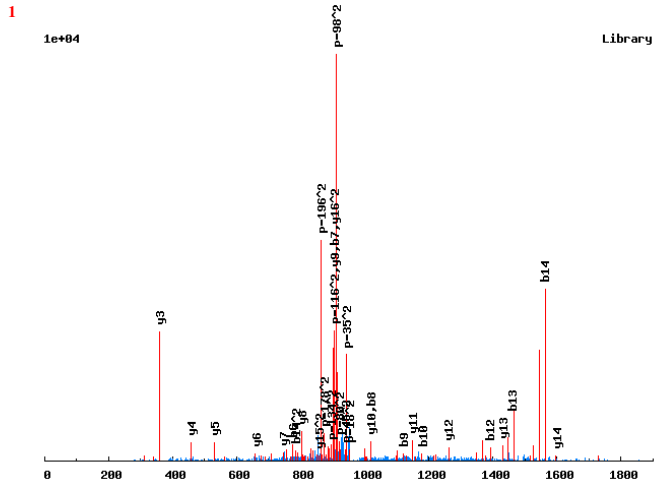
0.9915



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
228.1343	114.5708	2	N	10	1323.5006	**662.2539**
395.1326	198.0700	3	S[167]	9	**1209.4576**	**605.2325**
508.2167	254.6120	4	L	8	**1042.4593**	521.7333
595.2487	298.1280	5	S	7	**929.3752**	465.1912
709.2917	355.1495	6	N	6	**842.3432**	421.6752
837.3502	419.1788	7	Q	5	728.3003	**364.6538**
1004.3486	**502.6779**	8	S[167]	4	**600.2417**	300.6245
1105.3963	553.2018	9	T	3	**433.2433**	217.1253
1252.4647	**626.7360**	10	F	2	**332.1956**	166.6015
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LPDS$_{167}$S$_{167}$DEDTGSEAVPSR.E/2

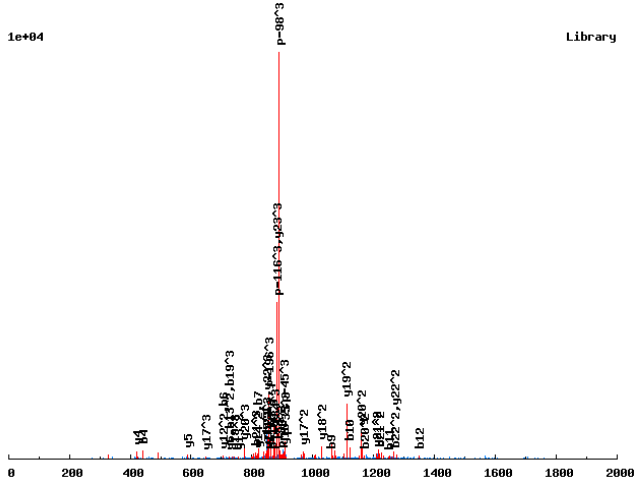


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	17		
211.1441	106.0757	2	P	16	1808.6259	**904.8166**
326.1710	163.5892	3	D	15	1711.5732	**856.2902**
493.1694	247.0883	4	S[167]	14	**1596.5462**	798.7767
660.1678	330.5875	5	S[167]	13	**1429.5479**	715.2776
775.1947	388.1010	6	D	12	**1262.5495**	631.7784
904.2373	452.6223	7	E	11	**1147.5225**	574.2649
1019.2642	510.1358	8	D	10	**1018.4800**	509.7436
1120.3119	560.6596	9	T	9	**903.4530**	452.2302
1177.3334	589.1703	10	G	8	**802.4053**	401.7063
1264.3654	632.6863	11	S	7	**745.3839**	373.1956
1393.4080	697.2076	12	E	6	**658.3519**	329.6796
1464.4451	732.7262	13	A	5	**529.3093**	265.1583
1563.5135	**782.2604**	14	V	4	**458.2722**	229.6397
1660.5663	830.7868	15	P	3	**359.2037**	180.1055
1747.5983	874.3028	16	S	2	262.1510	131.5791
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.LPETPS$_{167}$DEDGEVVEEEAQK$_{136}$S$_{167}$PIGK$_{136}$L/3

0.9999

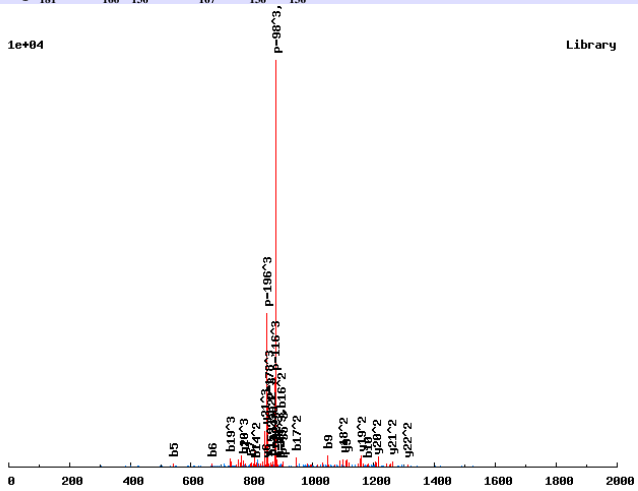


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	24			
211.1441	106.0757	71.0529	2	P	23	2646.1078	1323.5575	**882.7074**
340.1867	170.5970	114.0671	3	E	22	2549.0550	**1275.0311**	**850.3565**
441.2344	221.1208	147.7496	4	T	21	2420.0124	**1210.5098**	807.3423
538.2871	269.6472	180.1006	5	P	20	2318.9647	**1159.9860**	**773.6598**
705.2855	353.1464	235.7667	6	S[167]	19	2221.9120	**1111.4596**	**741.3088**
820.3124	410.6599	274.1090	7	D	18	2054.9136	**1027.9604**	685.6427
949.3550	475.1812	317.1232	8	E	17	1939.8867	**970.4470**	**647.3004**
1064.3820	532.6946	355.4655	9	D	16	1810.8441	**905.9257**	604.2862
1121.4034	561.2054	374.4727	10	G	15	1695.8171	**848.4122**	565.9439
1250.4460	625.7266	417.4869	11	E	14	1638.7957	**819.9015**	546.9367
1349.5144	675.2609	450.5097	12	V	13	1509.7531	**755.3802**	503.9225
1448.5828	**724.7951**	483.5325	13	V	12	1410.6847	**705.8460**	470.8997
1577.6254	789.3164	526.5467	14	E	11	1311.6163	656.3118	437.8769
1706.6680	853.8376	569.5609	15	E	10	1182.5737	591.7905	394.8627
1835.7106	918.3589	612.5751	16	E	9	1053.5311	527.2692	351.8485
1906.7477	953.8775	636.2541	17	A	8	924.4885	462.7479	308.8343
2034.8063	1017.9068	678.9403	18	Q	7	**853.4514**	427.2293	285.1553
2170.9154	1085.9614	**724.3100**	19	K[136]	6	**725.3928**	363.2000	242.4691
2337.9138	**1169.4605**	779.9761	20	S[167]	5	**589.2836**	295.1455	197.0994
2434.9666	**1217.9869**	**812.3270**	21	P	4	**422.2853**	211.6463	141.4333
2548.0506	**1274.5290**	**850.0217**	22	I	3	325.2325	163.1199	109.0824
2605.0721	1303.0397	869.0289	23	G	2	212.1485	106.5779	71.3877
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.LPLTDEQT$_{181}$AEGR$_{166}$K$_{136}$SPAVS$_{167}$EEK$_{136}$EK$_{136}$.K/3

0.9998

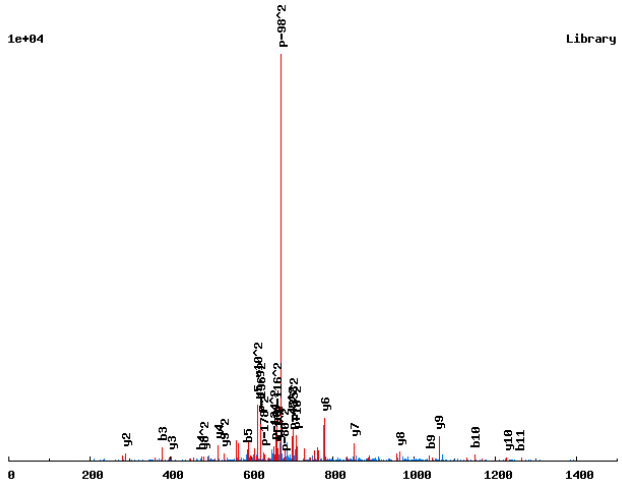


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	23			
211.1441	106.0757	71.0529	2	P	22	2623.1989	**1312.1031**	**875.0712**
324.2282	162.6177	108.7476	3	L	21	2526.1462	**1263.5767**	**842.7202**
425.2758	213.1416	142.4301	4	T	20	2413.0621	**1207.0347**	805.0256
540.3028	270.6550	180.7724	5	D	19	2312.0144	**1156.5108**	**771.3430**
669.3454	335.1763	223.7866	6	E	18	2196.9875	**1098.9974**	733.0007
797.4040	399.2056	266.4728	7	Q	17	2067.9449	1034.4761	689.9865
978.4180	489.7126	326.8108	8	T[181]	16	1939.8863	970.4468	647.3003
1049.4551	525.2312	350.4899	9	A	15	1758.8723	**879.9398**	586.9623
1178.4977	589.7525	393.5041	10	E	14	1687.8352	844.4212	563.2832
1235.5191	618.2632	412.5112	11	G	13	1558.7926	779.8999	520.2691
1401.6285	701.3179	467.8810	12	R[166]	12	1501.7711	751.3892	501.2619
1537.7377	769.3725	513.2507	13	K[136]	11	1335.6618	668.3345	445.8921
1624.7697	**812.8885**	542.2614	14	S	10	1199.5526	600.2799	400.5224
1721.8224	**861.4149**	574.6123	15	P	9	**1112.5206**	556.7639	371.5117
1792.8596	**896.9334**	598.2914	16	A	8	1015.4678	508.2375	339.1608
1891.9280	**946.4676**	631.3142	17	V	7	944.4307	472.7190	315.4818
2058.9263	1029.9668	686.9803	18	S[167]	6	**845.3623**	423.1848	282.4589
2187.9689	1094.4881	**729.9945**	19	E	5	678.3639	339.6856	226.7928
2317.0115	1159.0094	**773.0087**	20	E	4	549.3213	275.1643	183.7786
2453.1207	1227.0640	818.3784	21	K[136]	3	420.2787	210.6430	140.7644
2582.1633	1291.5853	**861.3926**	22	E	2	284.1696	142.5884	95.3947
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.LPS$_{167}$PLAS$_{167}$PNLNR.Q/2

0.9996

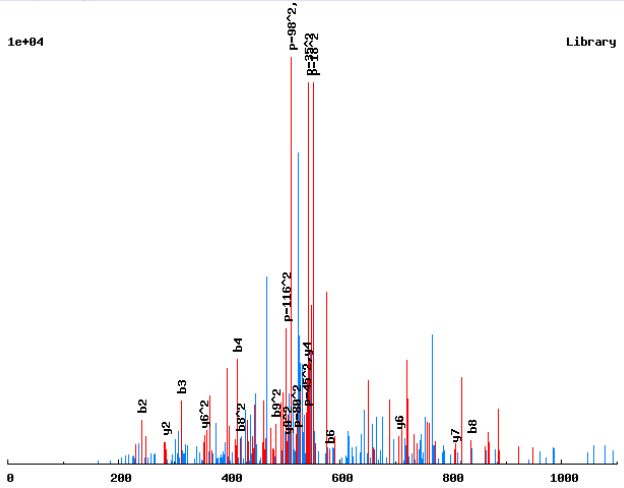


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	12		
211.1441	106.0757	2	P	11	1325.5650	**663.2862**
378.1425	189.5749	3	S[167]	10	**1228.5123**	**614.7598**
475.1952	238.1013	4	P	9	**1061.5139**	**531.2606**
588.2793	294.6433	5	L	8	**964.4612**	**482.7342**
659.3164	330.1618	6	A	7	**851.3771**	426.1922
826.3148	413.6610	7	S[167]	6	**780.3400**	390.6736
923.3675	462.1874	8	P	5	**613.3416**	307.1745
1037.4104	519.2089	9	N	4	**516.2889**	258.6481
1150.4945	575.7509	10	L	3	**402.2459**	201.6266
1264.5374	632.7724	11	N	2	**289.1619**	145.0846
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.LQATPAS$_{167}$SEK$_{136}$.M/2

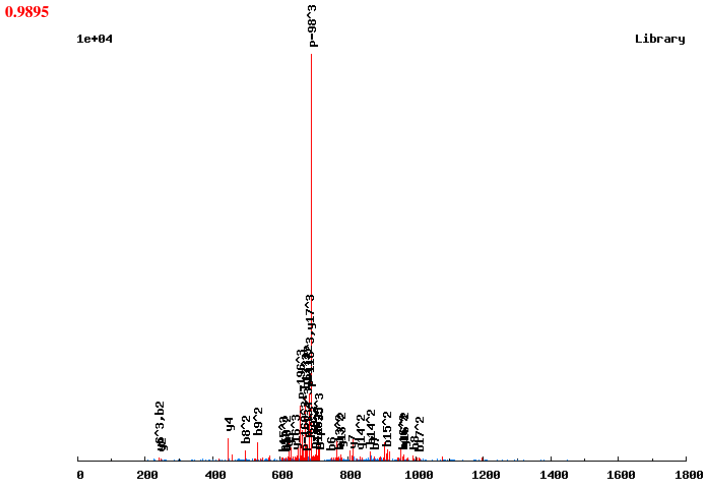
0.9321



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	10		
242.1499	121.5786	2	Q	9	1006.4332	**503.7203**
313.1870	157.0972	3	A	8	878.3746	439.6910
414.2347	207.6210	4	T	7	**807.3375**	404.1724
511.2875	256.1474	5	P	6	**706.2899**	**353.6486**
582.3246	291.6659	6	A	5	609.2371	305.1222
749.3229	375.1651	7	S[167]	4	**538.2000**	269.6036
836.3550	**418.6811**	8	S	3	371.2016	186.1044
965.3976	**483.2024**	9	E	2	**284.1696**	142.5884
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.LQEELHKDAS$_{167}$ESVT$_{181}$PVTK.E/3

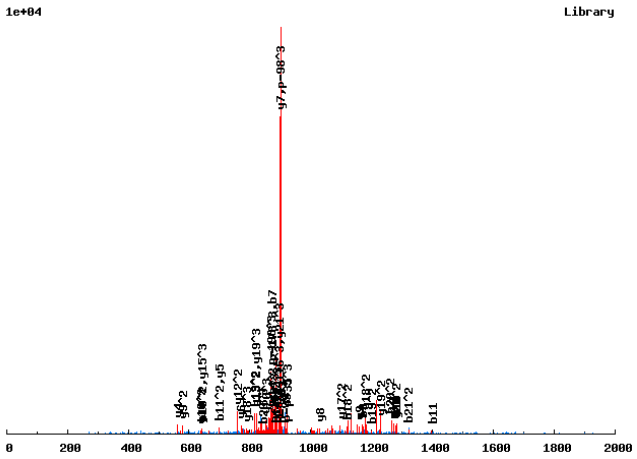


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	18			
242.1499	121.5786	81.3882	2	Q	17	2057.8828	1029.4450	**686.6325**
371.1925	186.0999	124.4024	3	E	16	1929.8242	**965.4157**	**643.9463**
500.2351	250.6212	167.4166	4	E	15	1800.7816	900.8945	600.9321
613.3192	307.1632	205.1112	5	L	14	1671.7390	**836.3732**	557.9179
750.3781	375.6927	250.7975	6	H	13	1558.6550	**779.8311**	520.2232
878.4730	439.7402	293.4959	7	K	12	1421.5961	**711.3017**	474.5369
993.5000	**497.2536**	331.8382	8	D	11	1293.5011	647.2542	431.8386
1064.5371	**532.7722**	355.5172	9	A	10	1178.4742	589.7407	393.4962
1231.5354	**616.2714**	411.1833	10	S[167]	9	1107.4371	554.2222	369.8172
1360.5780	**680.7927**	454.1975	11	E	8	940.4387	470.7230	314.1511
1447.6101	724.3087	483.2082	12	S	7	**811.3961**	406.2017	271.1369
1546.6785	**773.8429**	516.2310	13	V	6	724.3641	362.6857	**242.1262**
1727.6925	**864.3499**	576.5690	14	T[181]	5	**625.2957**	313.1515	209.1034
1824.7452	**912.8763**	**608.9199**	15	P	4	**444.2817**	222.6445	148.7654
1923.8137	**962.4105**	641.9427	16	V	3	347.2289	174.1181	116.4145
2024.8613	**1012.9343**	**675.6253**	17	T	2	**248.1605**	124.5839	83.3917
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LQVVS$_{167}$HET$_{181}$DINEDEEEAHYEDK$_{136}$.H/3

1

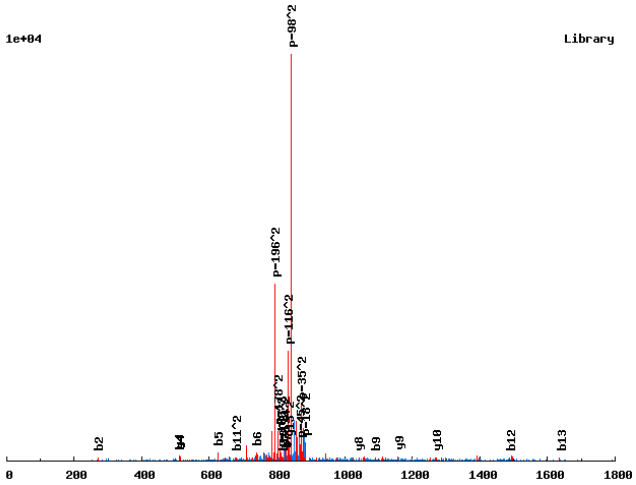


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	22			
242.1499	121.5786	81.3882	2	Q	21	2684.0164	1342.5118	**895.3436**
341.2183	171.1128	114.4110	3	V	20	2555.9578	**1278.4825**	**852.6575**
440.2867	220.6470	147.4338	4	V	19	2456.8894	**1228.9483**	**819.6347**
607.2851	304.1462	203.0999	5	S[167]	18	2357.8210	**1179.4141**	**786.6118**
744.3440	372.6756	248.7862	6	H	17	2190.8226	**1095.9149**	730.9457
873.3866	437.1969	291.8004	7	E	16	2053.7637	1027.3855	685.2594
1054.4006	527.7039	352.1384	8	T[181]	15	1924.7211	962.8642	**642.2452**
1169.4276	585.2174	390.4807	9	D	14	1743.7071	**872.3572**	581.9072
1282.5116	**641.7594**	428.1754	10	I	13	1628.6802	**814.8437**	543.5649
1396.5545	**698.7809**	466.1897	11	N	12	1515.5961	**758.3017**	505.8702
1525.5971	763.3022	509.2039	12	E	11	1401.5532	701.2802	467.8559
1640.6241	**820.8157**	547.5462	13	D	10	**1272.5106**	**636.7589**	424.8417
1769.6667	**885.3370**	590.5604	14	E	9	**1157.4836**	**579.2455**	386.4994
1898.7093	949.8583	633.5746	15	E	8	**1028.4411**	514.7242	343.4852
2027.7518	1014.3796	676.5888	16	E	7	**899.3985**	450.2029	300.4710
2098.7890	1049.8981	700.2678	17	A	6	**770.3559**	385.6816	257.4568
2235.8479	**1118.4276**	745.9541	18	H	5	**699.3188**	350.1630	233.7778
2398.9112	**1199.9592**	800.3086	19	Y	4	**562.2599**	281.6336	188.0915
2527.9538	**1264.4805**	**843.3228**	20	E	3	399.1965	200.1019	133.7370
2642.9807	**1321.9940**	881.6651	21	D	2	270.1539	135.5806	90.7228
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.LRENLNSS$_{167}$PT$_{181}$SEFK.S/2

0.934

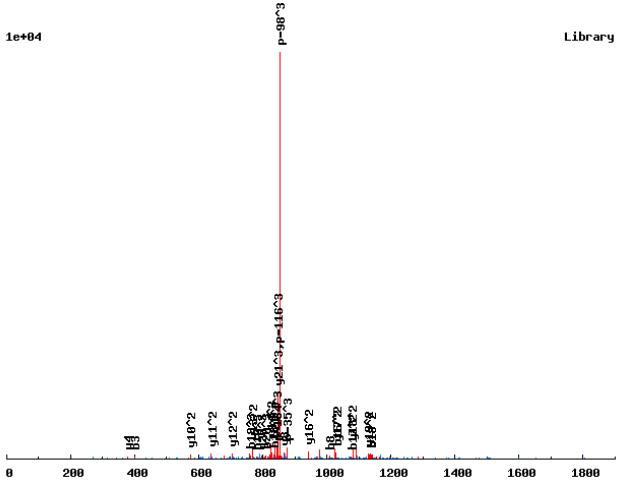


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	14		
270.1924	135.5999	2	R	13	1668.6666	**834.8369**
399.2350	200.1212	3	E	12	1512.5655	756.7864
513.2780	257.1426	4	N	11	1383.5229	692.2651
626.3620	313.6847	5	L	10	**1269.4800**	635.2436
740.4050	370.7061	6	N	9	**1156.3959**	578.7016
827.4370	414.2221	7	S	8	**1042.3530**	521.6801
994.4354	497.7213	8	S[167]	7	955.3210	478.1641
1091.4881	546.2477	9	P	6	788.3226	394.6649
1272.5021	636.7547	10	T[181]	5	691.2698	346.1386
1359.5342	**680.2707**	11	S	4	**510.2558**	255.6316
1488.5767	744.7920	12	E	3	423.2238	212.1155
1635.6452	**818.3262**	13	F	2	294.1812	147.5942
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.LREPDS$_{167}$DDDEEEREEEVEGSSK.E/3

0.9954

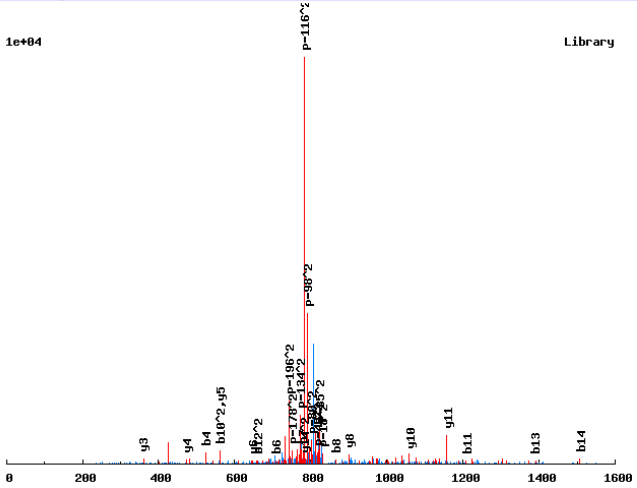


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	22			
270.1924	135.5999	90.7357	2	R	21	2545.9686	1273.4879	**849.3277**
399.2350	200.1212	133.7499	3	E	20	2389.8674	1195.4374	**797.2940**
496.2878	248.6475	166.1008	4	P	19	2260.8249	**1130.9161**	754.2798
611.3147	306.1610	204.4431	5	D	18	2163.7721	**1082.3897**	721.9289
778.3131	389.6602	260.1092	6	S[167]	17	2048.7452	**1024.8762**	683.5866
893.3400	447.1737	298.4515	7	D	16	1881.7468	**941.3770**	627.9205
1008.3670	504.6871	336.7938	8	D	15	1766.7199	883.8636	589.5781
1123.3939	562.2006	375.1362	9	D	14	1651.6929	**826.3501**	551.2358
1252.4365	626.7219	418.1504	10	E	13	1536.6660	**768.8366**	512.8935
1381.4791	691.2432	461.1646	11	E	12	1407.6234	**704.3153**	469.8793
1510.5217	755.7645	504.1788	12	E	11	1278.5808	**639.7940**	426.8651
1666.6228	**833.8150**	556.2125	13	R	10	1149.5382	**575.2727**	383.8509
1795.6654	898.3363	599.2267	14	E	9	993.4371	497.2222	331.8172
1924.7080	962.8576	642.2408	15	E	8	**864.3945**	432.7009	288.8030
2053.7506	**1027.3789**	685.2550	16	E	7	735.3519	368.1796	245.7888
2152.8190	**1076.9131**	718.2778	17	V	6	606.3093	303.6583	202.7746
2281.8616	**1141.4344**	**761.2920**	18	E	5	507.2409	254.1241	169.7518
2338.8830	1169.9452	**780.2992**	19	G	4	**378.1983**	189.6028	126.7376
2425.9151	1213.4612	**809.3099**	20	S	3	321.1769	161.0921	107.7305
2512.9471	1256.9772	**838.3206**	21	S	2	234.1448	117.5761	78.7198
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LRS$_{167}$SPSASS$_{167}$SSLANR.E/2

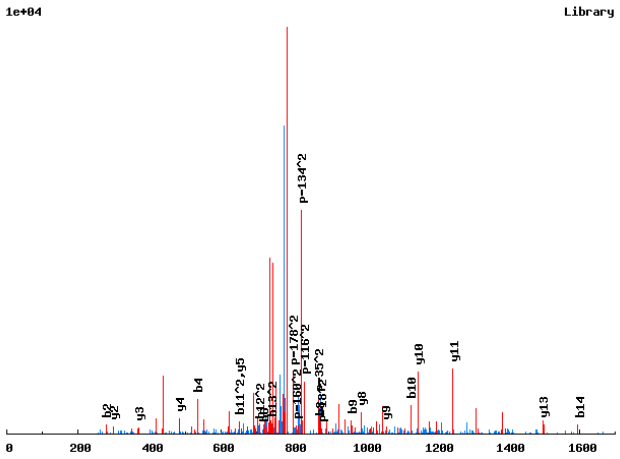
0.9998



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	15		
270.1924	135.5999	2	R	14	1566.6309	**783.8191**
437.1908	219.0990	3	S[167]	13	1410.5298	705.7685
524.2228	262.6151	4	S	12	1243.5314	622.2694
621.2756	311.1414	5	P	11	**1156.4994**	578.7533
708.3076	354.6575	6	S	10	**1059.4466**	530.2270
779.3447	390.1760	7	A	9	972.4146	486.7109
866.3768	433.6920	8	S	8	**901.3775**	451.1924
1033.3751	517.1912	9	S[167]	7	**814.3455**	407.6764
1120.4072	**560.7072**	10	S	6	**647.3471**	324.1772
1207.4392	604.2232	11	S	5	**560.3151**	280.6612
1320.5233	**660.7653**	12	L	4	**473.2831**	237.1452
1391.5604	696.2838	13	A	3	**360.1990**	180.6031
1505.6033	753.3053	14	N	2	289.1619	145.0846
		15	R	1	175.1190	88.0631

R.LR$_{166}$S$_{167}$SPSASSS$_{167}$S$_{167}$LANR$_{166}$.E/2

0.9442

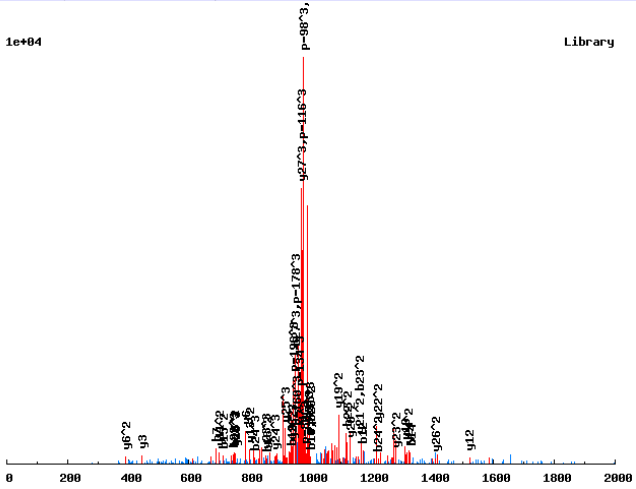


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	15		
280.2007	140.6040	2	R[166]	14	1666.6138	833.8105
447.1991	224.1032	3	S[167]	13	**1500.5044**	750.7558
534.2311	267.6192	4	S	12	1333.5060	667.2567
631.2839	316.1456	5	P	11	**1246.4740**	623.7406
718.3159	359.6616	6	S	10	**1149.4212**	575.2143
789.3530	395.1801	7	A	9	**1062.3892**	531.6982
876.3850	438.6962	8	S	8	**991.3521**	496.1797
963.4171	482.2122	9	S	7	904.3201	452.6637
1130.4154	565.7114	10	S[167]	6	817.2880	409.1477
1297.4138	**649.2105**	11	S[167]	5	**650.2897**	325.6485
1410.4979	**705.7526**	12	L	4	**483.2913**	242.1493
1481.5350	**741.2711**	13	A	3	**370.2073**	185.6073
1595.5779	798.2926	14	N	2	**299.1701**	150.0887
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LSATSQTAAS$_{167}$ATPGVAQSREGT$_{181}$PLENRR.S/3

0.9996

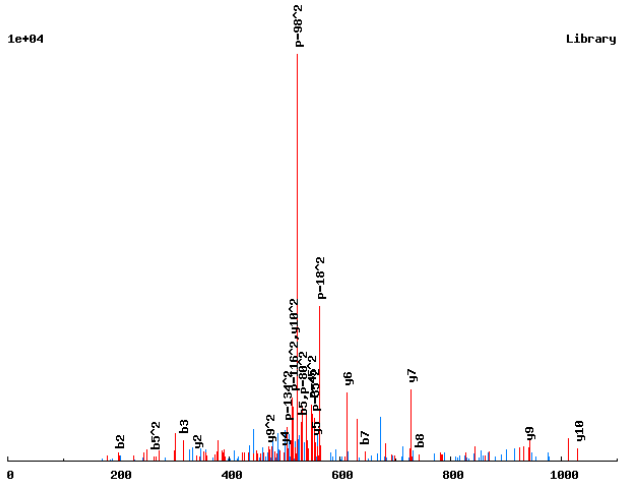


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	28			
201.1234	101.0653	67.7126	2	S	27	2903.3044	1452.1558	**968.4397**
272.1605	136.5839	91.3917	3	A	26	2816.2724	**1408.6398**	**939.4290**
373.2082	187.1077	125.0742	4	T	25	2745.2353	1373.1213	**915.7499**
460.2402	230.6237	154.0849	5	S	24	2644.1876	**1322.5974**	**882.0674**
588.2988	294.6530	196.7711	6	Q	23	2557.1556	**1279.0814**	**853.0567**
689.3465	345.1769	230.4537	7	T	22	2429.0970	**1215.0521**	810.3705
760.3836	380.6954	254.1327	8	A	21	2328.0493	**1164.5283**	776.6880
831.4207	416.2140	277.8117	9	A	20	2257.0122	**1129.0097**	**753.0089**
998.4190	499.7132	333.4779	10	S[167]	19	2185.9751	**1093.4912**	729.3299
1069.4561	535.2317	357.1569	11	A	18	2018.9767	1009.9920	673.6638
1170.5038	585.7556	390.8395	12	T	17	1947.9396	**974.4734**	649.9847
1267.5566	634.2819	423.1904	13	P	16	1846.8919	923.9496	616.3022
1324.5780	662.7927	442.1975	14	G	15	1749.8392	875.4232	583.9512
1423.6465	**712.3269**	475.2203	15	V	14	1692.8177	846.9125	564.9441
1494.6836	**747.8454**	498.8994	16	A	13	1593.7493	**797.3783**	531.9213
1622.7421	811.8747	541.5856	17	Q	12	**1522.7122**	761.8597	508.2422
1709.7742	**855.3907**	570.5962	18	S	11	1394.6536	**697.8304**	465.5561
1865.8753	**933.4413**	622.6299	19	R	10	**1307.6216**	654.3144	436.5454
1994.9179	**997.9626**	665.6441	20	E	9	1151.5205	576.2639	384.5117
2051.9393	1026.4733	684.6513	21	G	8	1022.4779	511.7426	341.4975
2232.9533	**1116.9803**	**744.9893**	22	T[181]	7	**965.4564**	483.2318	322.4903
2330.0061	**1165.5067**	777.3402	23	P	6	**784.4424**	**392.7248**	262.1523
2443.0902	**1222.0487**	**815.0349**	24	L	5	687.3896	344.1985	229.8014
2572.1328	1286.5700	858.0491	25	E	4	574.3056	287.6564	192.1067
2686.1757	1343.5915	896.0634	26	N	3	**445.2630**	223.1351	149.0925
2842.2768	1421.6420	**948.0971**	27	R	2	331.2201	166.1137	111.0782
			28	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.LSDVDGGVGS$_{167}$R.E/2

0.6712

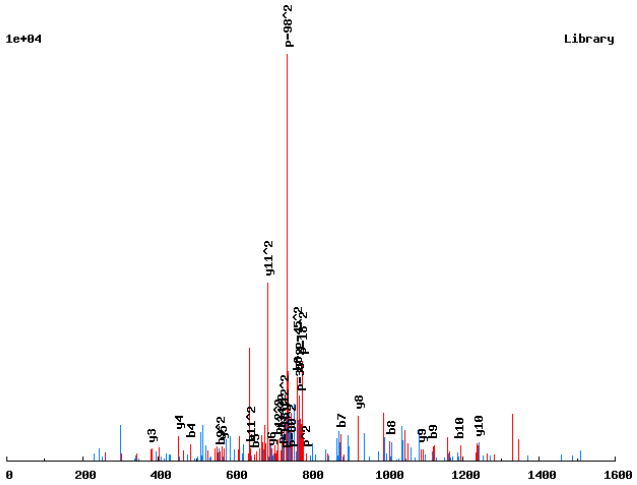


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
201.1234	101.0653	2	S	10	1028.4044	514.7059
316.1503	158.5788	3	D	9	941.3724	471.1898
415.2187	208.1130	4	V	8	826.3455	413.6764
530.2457	265.6265	5	D	7	727.2770	364.1422
587.2671	294.1372	6	G	6	612.2501	306.6287
644.2886	322.6479	7	G	5	555.2286	278.1180
743.3570	372.1821	8	V	4	498.2072	249.6072
800.3785	400.6929	9	G	3	399.1388	200.0730
967.3768	484.1920	10	S[167]	2	342.1173	171.5623
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.LSHFS$_{167}$NLEDASFK.S/2

0.8184

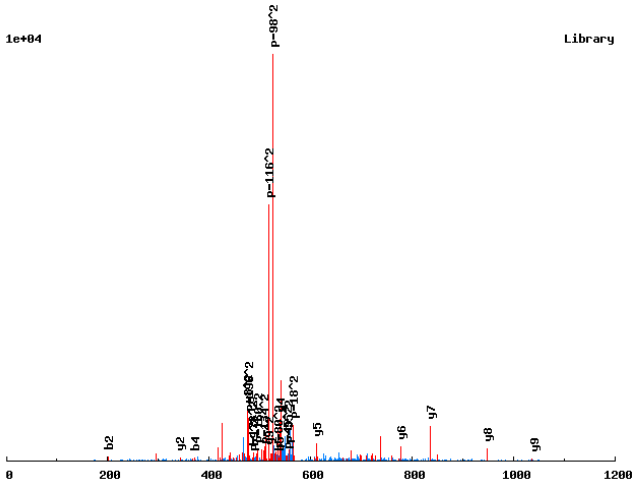


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
201.1234	101.0653	2	S	12	1461.6046	**731.3059**
338.1823	169.5948	3	H	11	1374.5726	**687.7899**
485.2507	243.1290	4	F	10	**1237.5136**	619.2605
652.2491	326.6282	5	S[167]	9	**1090.4452**	545.7263
766.2920	383.6496	6	N	8	**923.4469**	462.2271
879.3760	440.1917	7	L	7	809.4039	405.2056
1008.4186	504.7130	8	E	6	**696.3199**	348.6636
1123.4456	**562.2264**	9	D	5	**567.2773**	284.1423
1194.4827	597.7450	10	A	4	**452.2504**	226.6288
1281.5147	**641.2610**	11	S	3	**381.2132**	191.1103
1428.5831	**714.7952**	12	F	2	294.1812	147.5942
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LSIGS$_{167}$APTS$_{167}$R.R/2

0.9685

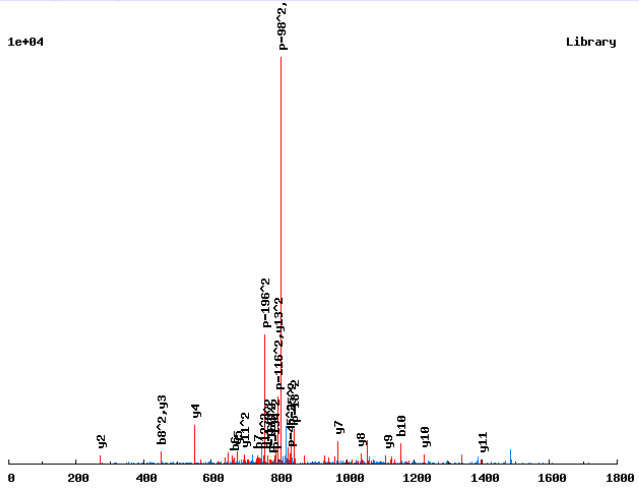


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	10		
201.1234	101.0653	2	S	9	**1035.3908**	**518.1990**
314.2074	157.6074	3	I	8	**948.3587**	**474.6830**
371.2289	186.1181	4	G	7	**835.2747**	418.1410
538.2273	269.6173	5	S[167]	6	**778.2532**	389.6303
609.2644	305.1358	6	A	5	**611.2549**	306.1311
706.3171	353.6622	7	P	4	**540.2178**	270.6125
807.3648	404.1860	8	T	3	443.1650	222.0861
974.3632	**487.6852**	9	S[167]	2	**342.1173**	171.5623
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.LSIS$_{167}$NAAS$_{167}$QQPT$_{181}$PR.S/2

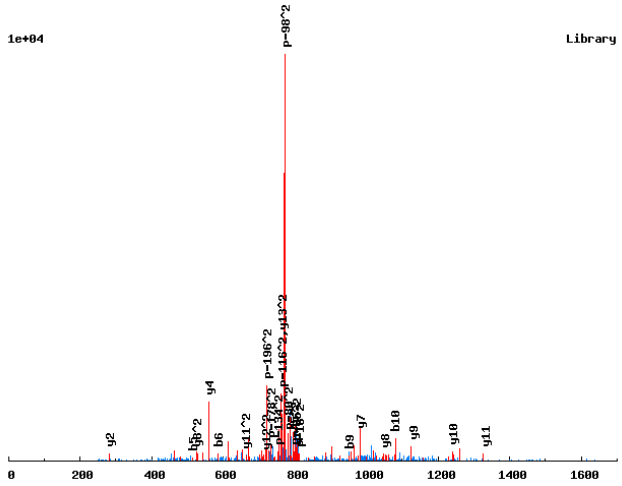
0.9998



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	14		
201.1234	101.0653	2	S	13	1596.5856	**798.7964**
314.2074	157.6074	3	I	12	1509.5536	**755.2804**
481.2058	241.1065	4	S[167]	11	**1396.4695**	**698.7384**
595.2487	298.1280	5	N	10	**1229.4712**	615.2392
666.2858	333.6466	6	A	9	**1115.4282**	558.2178
737.3229	369.1651	7	A	8	**1044.3911**	522.6992
904.3213	**452.6643**	8	S[167]	7	**973.3540**	487.1806
1032.3799	516.6936	9	Q	6	**806.3556**	403.6815
1160.4385	580.7229	10	Q	5	**678.2971**	339.6522
1257.4912	629.2493	11	P	4	**550.2385**	275.6229
1438.5052	719.7563	12	T[181]	3	**453.1857**	227.0965
1535.5580	768.2826	13	P	2	**272.1717**	136.5895
		14	R	1	175.1190	88.0631

K.LSISNAAS$_{167}$QQPT$_{181}$PR$_{166}$.S/2

0.9936

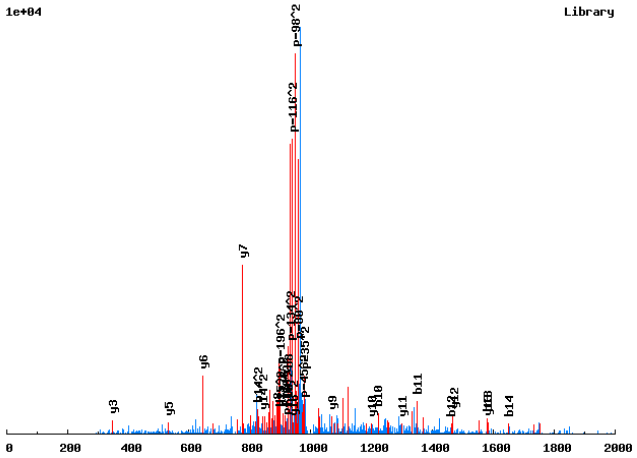


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	14		
201.1234	101.0653	2	S	13	1526.6275	**763.8174**
314.2074	157.6074	3	I	12	1439.5955	**720.3014**
401.2395	201.1234	4	S	11	**1326.5115**	**663.7594**
515.2824	258.1448	5	N	10	**1239.4794**	620.2434
586.3195	293.6634	6	A	9	**1125.4365**	563.2219
657.3566	329.1819	7	A	8	**1054.3994**	**527.7033**
824.3550	412.6811	8	S[167]	7	**983.3623**	492.1848
952.4136	476.7104	9	Q	6	816.3639	408.6856
1080.4721	540.7397	10	Q	5	688.3053	344.6563
1177.5249	589.2661	11	P	4	**560.2468**	280.6270
1358.5389	679.7731	12	T[181]	3	463.1940	232.1006
1455.5917	728.2995	13	P	2	**282.1800**	141.5936
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LSLTDS$_{167}$TET$_{181}$IENNATVK.H/2

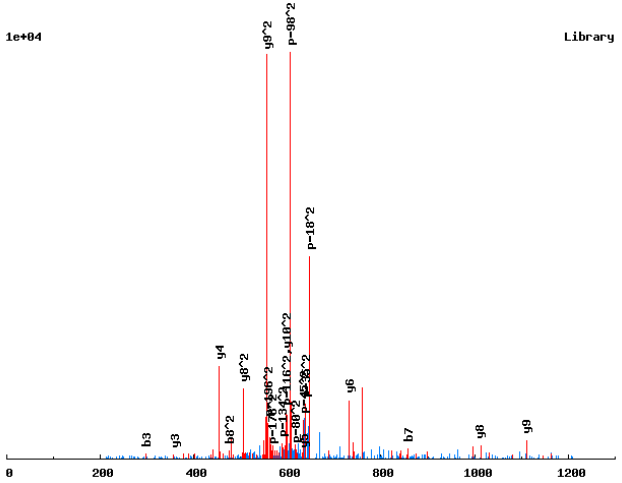
0.9986



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	17		
201.1234	101.0653	2	S	16	1882.7719	**941.8896**
314.2074	157.6074	3	L	15	1795.7398	**898.3736**
415.2551	208.1312	4	T	14	1682.6558	**841.8315**
530.2821	265.6447	5	D	13	**1581.6081**	791.3077
697.2804	349.1438	6	S[167]	12	**1466.5812**	733.7942
798.3281	399.6677	7	T	11	**1299.5828**	650.2950
927.3707	464.1890	8	E	10	**1198.5351**	599.7712
1108.3847	554.6960	9	T[181]	9	**1069.4925**	535.2499
1221.4688	611.2380	10	I	8	**888.4785**	444.7429
1350.5113	675.7593	11	E	7	**775.3945**	388.2009
1464.5543	732.7808	12	N	6	**646.3519**	323.6796
1578.5972	789.8022	13	N	5	**532.3089**	266.6581
1649.6343	**825.3208**	14	A	4	418.2660	209.6366
1750.6820	875.8446	15	T	3	**347.2289**	174.1181
1849.7504	**925.3788**	16	V	2	246.1812	123.5942
		17	K	1	147.1128	74.0600

R.LSPNS$_{167}$PT$_{181}$PPLK.S/2

0.8941

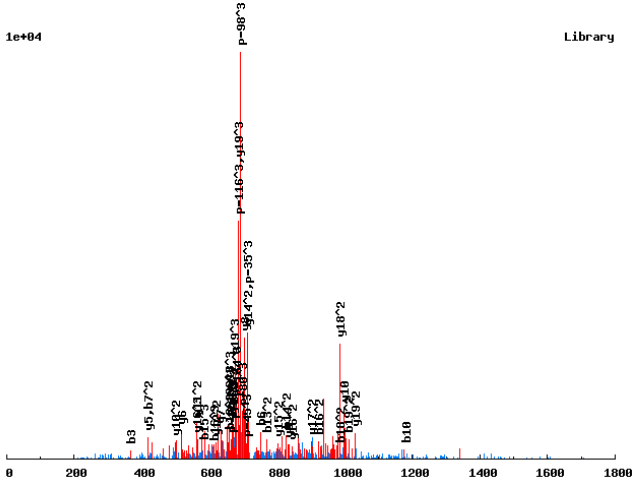


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
201.1234	101.0653	2	S	10	1197.4952	**599.2513**
298.1761	149.5917	3	P	9	**1110.4632**	**555.7352**
412.2191	206.6132	4	N	8	**1013.4104**	**507.2089**
579.2174	290.1124	5	S[167]	7	899.3675	450.1874
676.2702	338.6387	6	P	6	**732.3692**	366.6882
857.2842	429.1457	7	T[181]	5	**635.3164**	318.1618
954.3370	**477.6721**	8	P	4	**454.3024**	227.6548
1051.3897	526.1985	9	P	3	**357.2496**	179.1284
1164.4738	582.7405	10	L	2	260.1969	130.6021
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LSS$_{167}$DST$_{181}$SPIKYEADVSAGGK.I/3

0.9941

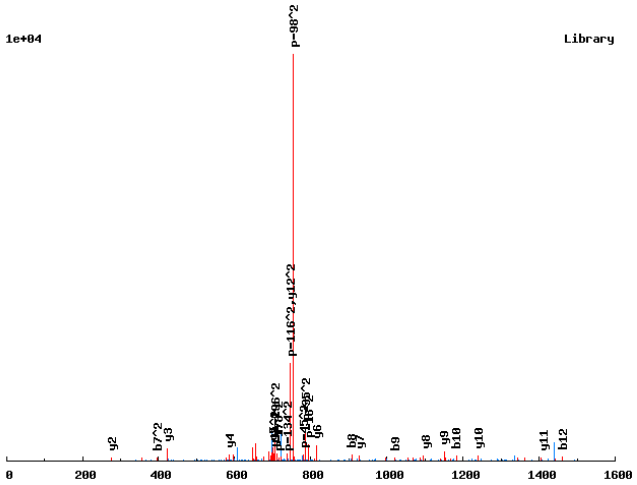


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	20			
201.1234	101.0653	67.7126	2	S	19	2058.8304	**1029.9189**	**686.9483**
368.1217	184.5645	123.3788	3	S[167]	18	1971.7984	**986.4028**	**657.9377**
483.1487	242.0780	161.7211	4	D	17	1804.8000	**902.9037**	602.2715
570.1807	285.5940	190.7318	5	S	16	1689.7731	**845.3902**	**563.9292**
751.1947	376.1010	251.0698	6	T[181]	15	1602.7411	**801.8742**	534.9185
838.2267	**419.6170**	280.0804	7	S	14	1421.7270	**711.3672**	474.5805
935.2795	468.1434	312.4314	8	P	13	1334.6950	**667.8511**	445.5699
1048.3636	524.6854	350.1260	9	I	12	1237.6423	**619.3248**	413.2189
1176.4585	588.7329	392.8244	10	K	11	1124.5582	**562.7827**	375.5243
1339.5219	670.2646	447.1788	11	Y	10	**996.4632**	**498.7353**	332.8259
1468.5644	734.7859	490.1930	12	E	9	**833.3999**	417.2036	278.4715
1539.6016	**770.3044**	513.8720	13	A	8	**704.3573**	352.6823	235.4573
1654.6285	**827.8179**	552.2144	14	D	7	**633.3202**	317.1637	211.7783
1753.6969	877.3521	**585.2372**	15	V	6	**518.2933**	259.6503	173.4359
1840.7289	**920.8681**	**614.2478**	16	S	5	**419.2249**	210.1161	140.4131
1911.7660	956.3867	637.9269	17	A	4	332.1928	166.6001	111.4025
1968.7875	**984.8974**	**656.9340**	18	G	3	261.1557	131.0815	87.7234
2025.8090	**1013.4081**	**675.9412**	19	G	2	204.1343	102.5708	68.7163
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LSS$_{167}$SGS$_{167}$LDNYFEK.N/2

0.9999

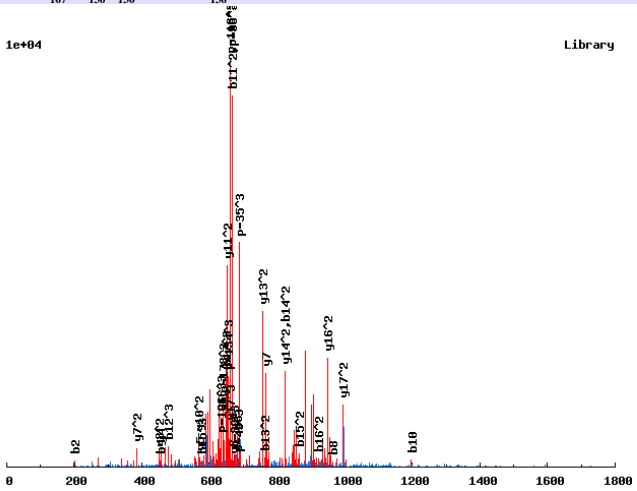


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
201.1234	101.0653	2	S	12	1493.5233	**747.2653**
368.1217	184.5645	3	S[167]	11	**1406.4913**	**703.7493**
455.1538	228.0805	4	S	10	**1239.4929**	620.2501
512.1752	256.5913	5	G	9	**1152.4609**	576.7341
679.1736	340.0904	6	S[167]	8	**1095.4394**	548.2234
792.2576	**396.6325**	7	L	7	**928.4411**	464.7242
907.2846	454.1459	8	D	6	**815.3570**	408.1821
1021.3275	511.1674	9	N	5	**700.3301**	350.6687
1184.3908	592.6991	10	Y	4	**586.2871**	293.6472
1331.4593	666.2333	11	F	3	**423.2238**	212.1155
1460.5018	730.7546	12	E	2	**276.1554**	138.5813
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.LSS$_{167}$SMPNS$_{167}$PK$_{136}$K$_{136}$PVDSLTK$_{136}$.A/3

0.9417

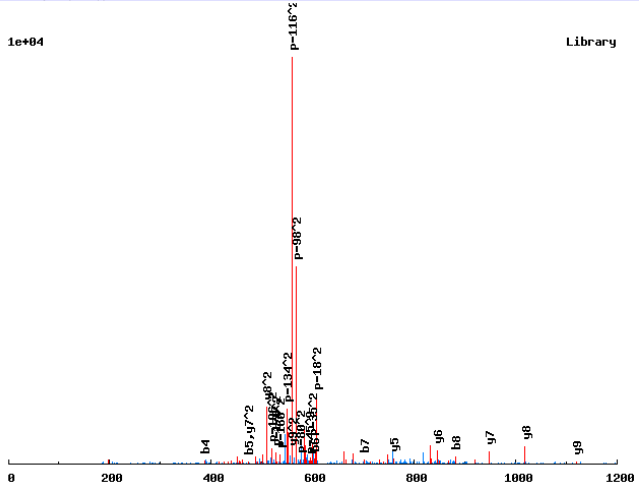


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	18			
201.1234	101.0653	67.7126	2	S	17	1986.9069	**993.9571**	**662.9738**
368.1217	184.5645	123.3788	3	S[167]	16	1899.8749	**950.4411**	**633.9631**
455.1538	228.0805	152.3894	4	S	15	1732.8765	866.9419	578.2970
586.1943	293.6008	196.0696	5	M	14	1645.8445	**823.4259**	549.2864
683.2470	342.1271	228.4205	6	P	13	1514.8040	**757.9056**	505.6062
797.2899	399.1486	266.4348	7	N	12	1417.7512	709.3793	473.2553
964.2883	482.6478	322.1010	8	S[167]	11	1303.7083	**652.3578**	435.2410
1061.3411	531.1742	354.4519	9	P	10	1136.7100	**568.8586**	379.5748
1197.4502	599.2288	399.8216	10	K[136]	9	1039.6572	520.3322	347.2239
1333.5594	**667.2833**	445.1913	11	K[136]	8	903.5480	**452.2777**	301.8542
1430.6121	715.8097	**477.5422**	12	P	7	**767.4389**	**384.2231**	256.4845
1529.6805	**765.3439**	510.5650	13	V	6	**670.3861**	335.6967	224.1336
1644.7075	**822.8574**	548.9073	14	D	5	**571.3177**	286.1625	191.1108
1731.7395	**866.3734**	**577.9180**	15	S	4	**456.2908**	228.6490	152.7684
1844.8236	**922.9154**	615.6127	16	L	3	369.2587	185.1330	123.7578
1945.8713	973.4393	**649.2953**	17	T	2	256.1747	128.5910	86.0631
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.LTATSEPT$_{181}$S$_{167}$R$_{166}$.R/2

0.9821

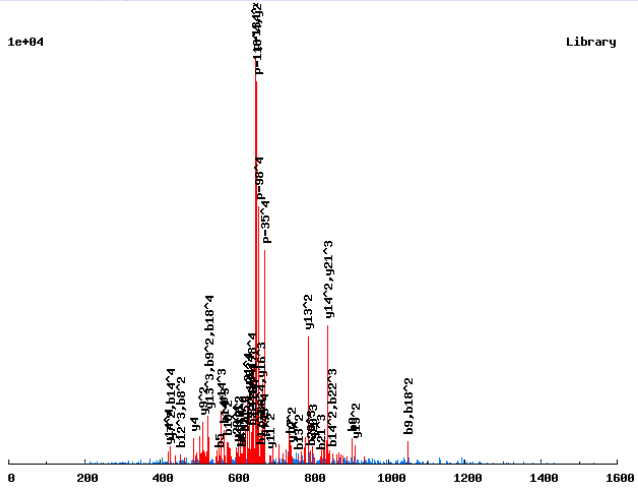


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	10		
215.1390	108.0731	2	T	9	1119.3994	560.2034
286.1761	143.5917	3	A	8	1018.3518	509.6795
387.2238	194.1155	4	T	7	947.3147	474.1610
474.2558	237.6316	5	S	6	846.2670	423.6371
603.2984	302.1529	6	E	5	759.2349	380.1211
700.3512	350.6792	7	P	4	630.1924	315.5998
881.3652	441.1862	8	T[181]	3	533.1396	267.0734
1048.3636	524.6854	9	S[167]	2	352.1256	176.5664
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LTDHSGEYFTSNS$_{167}$T$_{181}$SSLNHHSSR.D/4

0.7247

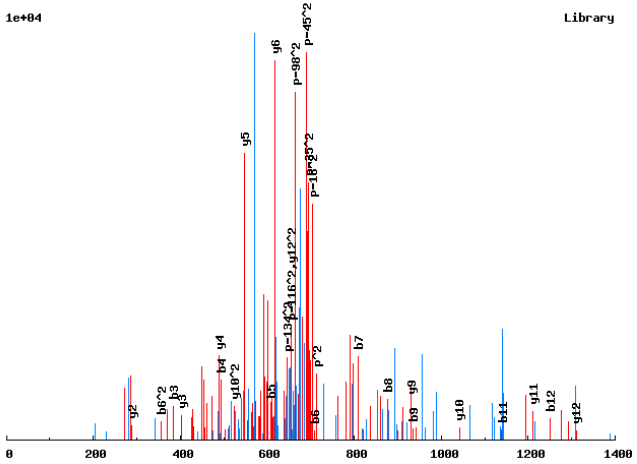


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	L	23				
215.1390	108.0731	72.3845	54.5402	2	T	22	2610.9882	1305.9978	871.0009	**653.5025**
330.1660	165.5866	110.7268	83.2969	3	D	21	2509.9406	1255.4739	**837.3184**	**628.2406**
467.2249	234.1161	156.4131	117.5617	4	H	20	2394.9136	1197.9605	**798.9761**	**599.4839**
554.2569	277.6321	185.4238	139.3197	5	S	19	2257.8547	1129.4310	753.2898	565.2191
611.2784	306.1428	204.4310	153.5751	6	G	18	2170.8227	1085.9150	724.2791	543.4611
740.3210	370.6641	247.4452	185.8357	7	E	17	2113.8012	1057.4043	705.2719	529.2058
903.3843	**452.1958**	301.7996	226.6015	8	Y	16	1984.7586	992.8830	**662.2577**	496.9451
1050.4527	**525.7300**	350.8224	263.3686	9	F	15	1821.6953	**911.3513**	**607.9033**	456.1793
1151.5004	**576.2538**	384.5050	288.6306	10	T	14	1674.6269	**837.8171**	**558.8805**	**419.4122**
1238.5324	**619.7698**	413.5157	310.3886	11	S	13	1573.5792	**787.2932**	**525.1979**	394.1503
1352.5753	676.7913	**451.5300**	338.8993	12	N	12	1486.5472	**743.7772**	496.1872	372.3923
1519.5737	**760.2905**	507.1961	380.6489	13	S[167]	11	1372.5043	**686.7558**	458.1729	343.8815
1700.5877	**850.7975**	**567.5341**	**425.9024**	14	T[181]	10	1205.5059	**603.2566**	402.5068	302.1319
1787.6197	894.3135	596.5448	447.6604	15	S	9	1024.4919	**512.7496**	342.1688	256.8784
1874.6518	937.8295	625.5554	469.4184	16	S	8	937.4599	469.2336	313.1581	235.1204
1987.7358	994.3716	**663.2501**	497.6894	17	L	7	850.4278	**425.7176**	284.1475	213.3624
2101.7788	**1051.3930**	701.2644	**526.2001**	18	N	6	737.3438	369.1755	246.4528	185.0914
2238.8377	1119.9225	746.9507	560.4649	19	H	5	**623.3008**	312.1541	208.4385	156.5807
2375.8966	1188.4519	**792.6370**	594.7296	20	H	4	**486.2419**	243.6246	162.7522	122.3159
2462.9286	1231.9679	**821.6477**	**616.4876**	21	S	3	349.1830	175.0951	117.0659	88.0512
2549.9606	1275.4840	**850.6584**	**638.2456**	22	S	2	262.1510	131.5791	88.0552	66.2932
				23	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

R.LTS$_{167}$LNVVAGSDLR.R/2

0.9932

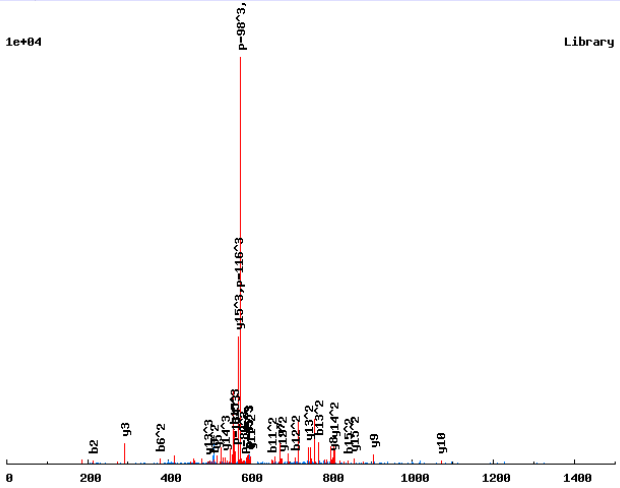


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
215.1390	108.0731	2	T	12	1311.6304	656.3188
382.1374	191.5723	3	S[167]	11	1210.5827	605.7950
495.2214	248.1144	4	L	10	1043.5844	522.2958
609.2644	305.1358	5	N	9	930.5003	465.7538
708.3328	354.6700	6	V	8	816.4574	408.7323
807.4012	404.2042	7	V	7	717.3890	359.1981
878.4383	439.7228	8	A	6	618.3206	309.6639
935.4598	468.2335	9	G	5	547.2834	274.1454
1022.4918	511.7495	10	S	4	490.2620	245.6346
1137.5187	569.2630	11	D	3	403.2299	202.1186
1250.6028	625.8050	12	L	2	288.2030	144.6051
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.LVEKRES$_{167}$TEGVLDGSK.K/3

0.9976

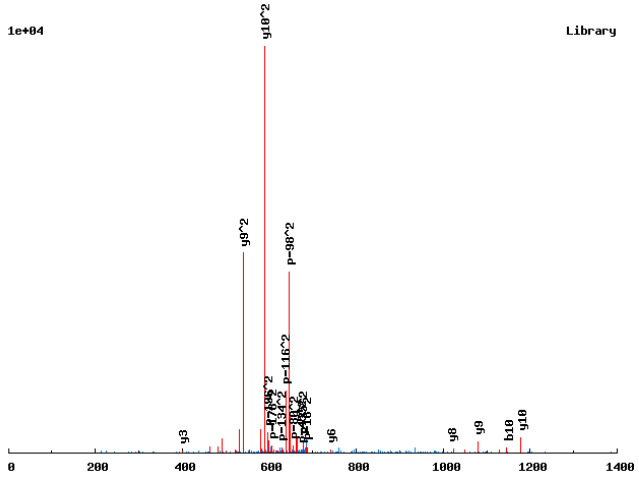


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	16			
213.1598	107.0835	71.7248	2	V	15	1713.8055	**857.4064**	**571.9400**
342.2023	171.6048	114.7390	3	E	14	1614.7370	**807.8722**	**538.9172**
470.2973	235.6523	157.4373	4	K	13	1485.6945	**743.3509**	**495.9030**
626.3984	313.7028	209.4710	5	R	12	1357.5995	**679.3034**	453.2047
755.4410	**378.2241**	252.4852	6	E	11	1201.4984	**601.2528**	401.1710
922.4394	461.7233	308.1513	7	S[167]	10	**1072.4558**	536.7315	358.1568
1023.4870	**512.2472**	341.8339	8	T	9	**905.4574**	453.2324	302.4907
1152.5296	**576.7685**	384.8481	9	E	8	**804.4098**	402.7085	268.8081
1209.5511	605.2792	403.8552	10	G	7	**675.3672**	338.1872	225.7939
1308.6195	**654.8134**	436.8780	11	V	6	618.3457	309.6765	206.7868
1421.7036	**711.3554**	474.5727	12	L	5	**519.2773**	260.1423	173.7640
1536.7305	**768.8689**	512.9150	13	D	4	406.1932	203.6003	136.0693
1593.7520	797.3796	531.9222	14	G	3	**291.1663**	146.0868	97.7269
1680.7840	**840.8956**	**560.9329**	15	S	2	234.1448	117.5761	78.7198
			16	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.LVPGS$_{167}$DSSS$_{167}$RPK.K/2

0.9902

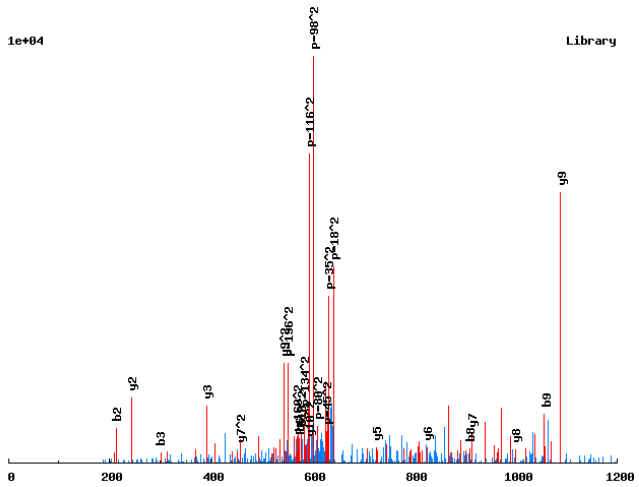


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	12		
213.1598	107.0835	2	V	11	1276.4970	638.7522
310.2125	155.6099	3	P	10	**1177.4286**	**589.2179**
367.2340	184.1206	4	G	9	**1080.3759**	**540.6916**
534.2323	267.6198	5	S[167]	8	**1023.3544**	512.1808
649.2593	325.1333	6	D	7	856.3560	428.6817
736.2913	368.6493	7	S	6	**741.3291**	371.1682
823.3233	412.1653	8	S	5	654.2971	327.6522
990.3217	495.6645	9	S[167]	4	567.2650	284.1362
1146.4228	573.7150	10	R	3	**400.2667**	200.6370
1243.4756	622.2414	11	P	2	244.1656	122.5864
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LVSSSTS$_{167}$S$_{167}$FPK.F/2

0.6878

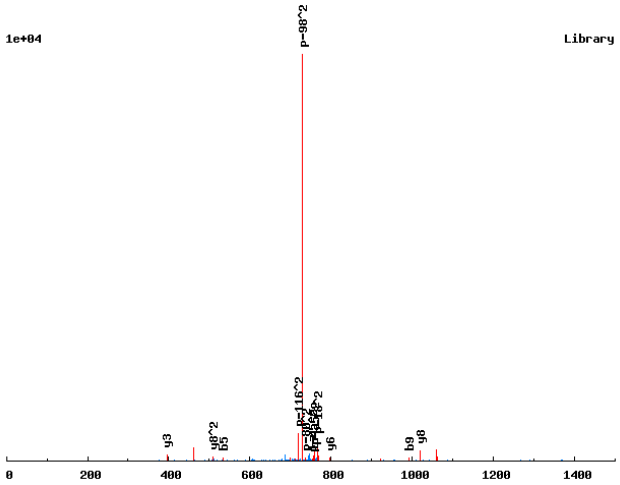


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	11		
213.1598	107.0835	2	V	10	1186.4429	**593.7251**
300.1918	150.5995	3	S	9	**1087.3745**	**544.1909**
387.2238	194.1155	4	S	8	**1000.3424**	500.6749
474.2558	237.6316	5	S	7	**913.3104**	**457.1588**
575.3035	288.1554	6	T	6	**826.2784**	413.6428
742.3019	371.6546	7	S[167]	5	**725.2307**	363.1190
909.3002	455.1538	8	S[167]	4	558.2323	279.6198
1056.3687	528.6880	9	F	3	**391.2340**	196.1206
1153.4214	**577.2143**	10	P	2	**244.1656**	122.5864
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.LYAADGR$_{166}$PHS$_{167}$PLR$_{166}$.A/2

0.9975

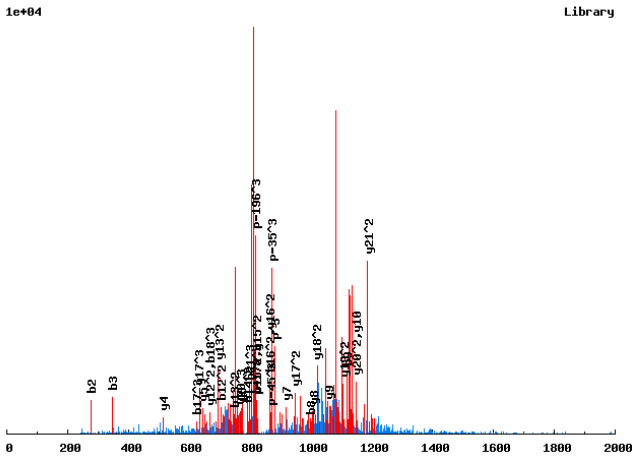


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
114.0913	57.5493	1	L	13		
277.1547	139.0810	2	Y	12	1439.6694	720.3383
348.1918	174.5995	3	A	11	1276.6061	638.8067
419.2289	210.1181	4	A	10	1205.5690	603.2881
534.2558	267.6316	5	D	9	1134.5318	567.7696
591.2773	296.1423	6	G	8	**1019.5049**	**510.2561**
757.3867	379.1970	7	R[166]	7	962.4834	481.7454
854.4394	427.7234	8	P	6	**796.3741**	398.6907
991.4983	496.2528	9	H	5	699.3213	350.1643
1158.4967	579.7520	10	S[167]	4	562.2624	281.6348
1255.5495	628.2784	11	P	3	**395.2640**	198.1357
1368.6335	684.8204	12	L	2	298.2113	149.6093
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.LYASS$_{167}$FS$_{167}$SNHGPSSGSFEEEHTK.G/3

0.9917

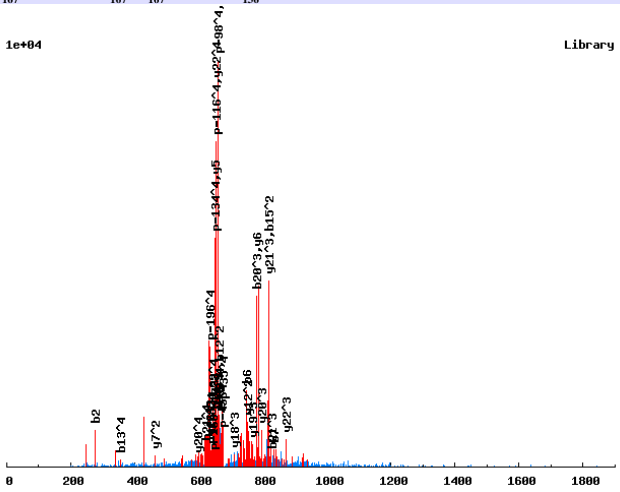


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
114.0913	57.5493	38.7020	1	L	23			
277.1547	139.0810	93.0564	2	Y	22	2531.9388	1266.4730	844.6511
348.1918	174.5995	116.7354	3	A	21	2368.8755	**1184.9414**	790.2967
435.2238	218.1155	145.7461	4	S	20	2297.8384	**1149.4228**	**766.6176**
602.2222	301.6147	201.4122	5	S[167]	19	2210.8063	**1105.9068**	737.6070
749.2906	375.1489	250.4350	6	F	18	2043.8080	**1022.4076**	681.9408
916.2889	458.6481	306.1012	7	S[167]	17	1896.7396	**948.8734**	**632.9180**
1003.3210	502.1641	335.1118	8	S	16	1729.7412	**865.3742**	577.2519
1117.3639	559.1856	373.1262	9	N	15	1642.7092	**821.8582**	548.2412
1254.4228	627.7150	418.8125	10	H	14	1528.6662	764.8368	510.2269
1311.4443	656.2258	437.8196	11	G	13	1391.6073	**696.3073**	464.5406
1408.4970	**704.7522**	470.1705	12	P	12	1334.5859	**667.7966**	445.5335
1495.5291	**748.2682**	499.1812	13	S	11	1237.5331	619.2702	413.1826
1582.5611	**791.7842**	528.1919	14	S	10	**1150.5011**	575.7542	384.1719
1639.5826	**820.2949**	547.1990	15	G	9	**1063.4691**	532.2382	355.1612
1726.6146	**863.8109**	576.2097	16	S	8	**1006.4476**	503.7274	336.1541
1873.6830	937.3451	**625.2325**	17	F	7	**919.4156**	460.2114	307.1434
2002.7256	1001.8664	**668.2467**	18	E	6	**772.3472**	386.6772	258.1206
2131.7682	1066.3877	711.2609	19	E	5	**643.3046**	322.1559	215.1064
2260.8108	1130.9090	754.2751	20	E	4	**514.2620**	257.6346	172.0922
2397.8697	1199.4385	**799.9614**	21	H	3	385.2194	193.1133	129.0780
2498.9174	1249.9623	833.6440	22	T	2	248.1605	124.5839	83.3917
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.LYASS$_{167}$FSSNHGPSS$_{167}$GS$_{167}$FEEEHTK$_{136}$.G/4

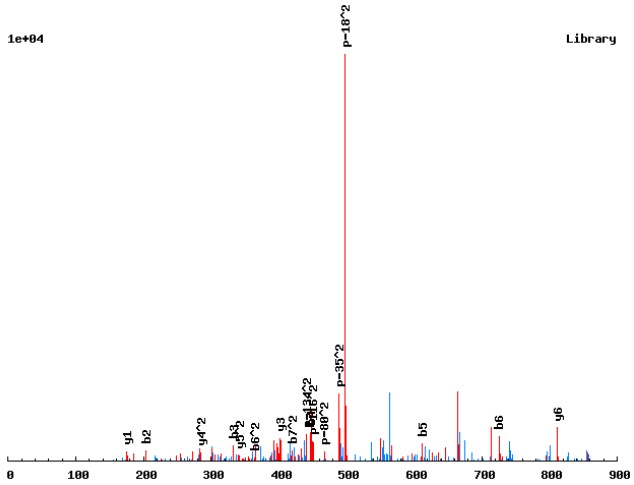
0.7418



b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
114.0913	57.5493	38.7020	29.2783	1	L	23				
277.1547	139.0810	93.0564	70.0441	2	Y	22	2619.9193	1310.4633	**873.9780**	**655.7353**
348.1918	174.5995	116.7354	87.8034	3	A	21	2456.8560	1228.9316	**819.6235**	614.9695
435.2238	218.1155	145.7461	109.5614	4	S	20	2385.8189	1193.4131	**795.9445**	**597.2102**
602.2222	301.6147	201.4122	151.3110	5	S[167]	19	2298.7869	1149.8971	**766.9338**	575.4522
749.2906	375.1489	250.4350	188.0781	6	F	18	2131.7885	1066.3979	**711.2677**	533.7026
836.3226	418.6649	279.4457	209.8361	7	S	17	1984.7201	992.8637	**662.2449**	496.9355
923.3546	462.1810	308.4564	231.5941	8	S	16	1897.6881	949.3477	**633.2342**	475.1775
1037.3976	519.2024	346.4707	260.1049	9	N	15	1810.6560	905.8317	604.2235	453.4195
1174.4565	587.7319	392.1570	294.3696	10	H	14	1696.6131	848.8102	566.2092	424.9087
1231.4779	616.2426	411.1642	308.6249	11	G	13	1559.5542	780.2807	520.5229	390.6440
1328.5307	**664.7690**	443.5151	332.8881	12	P	12	1502.5327	**751.7700**	501.5158	376.3886
1415.5627	708.2850	472.5258	**354.6461**	13	S	11	1405.4800	703.2436	469.1648	352.1255
1582.5611	791.7842	528.1919	396.3957	14	S[167]	10	1318.4480	**659.7276**	440.1542	330.3674
1639.5826	**820.2949**	547.1990	410.6511	15	G	9	1151.4496	576.2284	384.4880	288.6179
1806.5809	903.7941	602.8652	452.4007	16	S[167]	8	1094.4281	547.7177	365.4809	274.3625
1953.6493	977.3283	**651.8880**	489.1678	17	F	7	927.4298	**464.2185**	309.8148	232.6129
2082.6919	1041.8496	694.9022	521.4284	18	E	6	**780.3614**	390.6843	260.7920	195.8458
2211.7345	1106.3709	737.9164	553.6891	19	E	5	**651.3188**	326.1630	217.7778	163.5852
2340.7771	1170.8922	**780.9306**	585.9497	20	E	4	522.2762	261.6417	174.7636	131.3245
2477.8360	1239.4216	**826.6169**	**620.2145**	21	H	3	393.2336	197.1204	131.7494	99.0639
2578.8837	1289.9455	860.2994	**645.4764**	22	T	2	256.1747	128.5910	86.0631	64.7991
				23	K[136]	1	155.1270	78.0671	52.3805	39.5372

-.MAENS$_{167}$LLR.F/2

0.6317

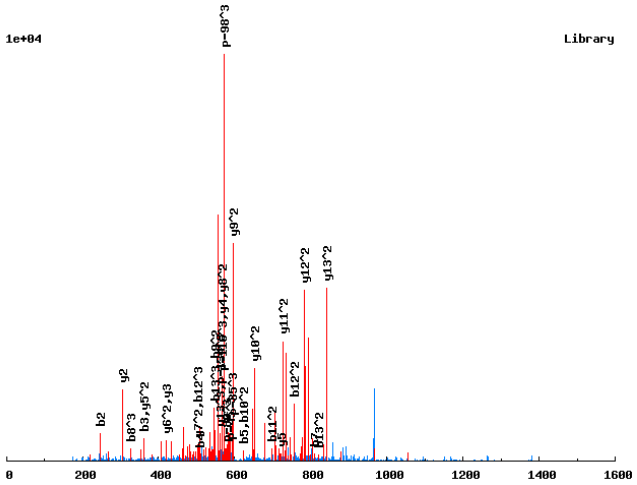


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	8		
203.0849	102.0461	2	A	7	882.4081	441.7077
332.1275	166.5674	3	E	6	**811.3710**	406.1891
446.1704	223.5888	4	N	5	682.3284	**341.6678**
613.1688	307.0880	5	S[167]	4	568.2854	**284.6464**
726.2528	**363.6301**	6	L	3	**401.2871**	201.1472
839.3369	**420.1721**	7	L	2	288.2030	144.6051
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.MDDFDGES$_{167}$DRFDER.N/3

0.6941

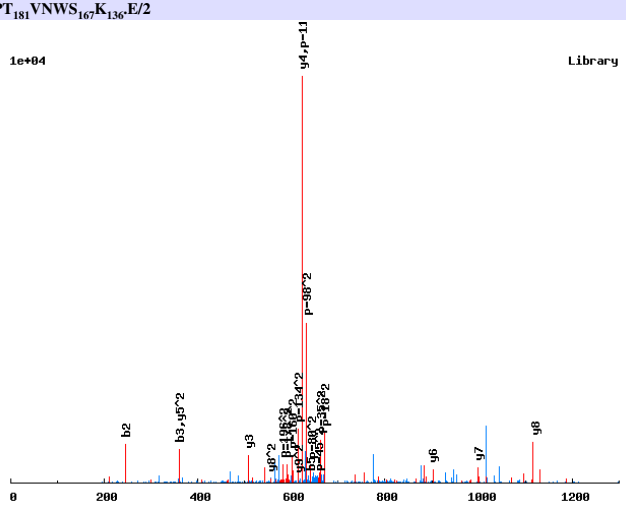


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	14			
247.0747	124.0410	83.0298	2	D	13	1682.5966	**841.8019**	**561.5370**
362.1017	181.5545	121.3721	3	D	12	1567.5696	**784.2885**	523.1947
509.1701	255.0887	170.3949	4	F	11	1452.5427	**726.7750**	484.8524
624.1970	312.6021	208.7372	5	D	10	1305.4743	**653.2408**	435.8296
681.2185	341.1129	227.7443	6	G	9	1190.4474	**595.7273**	397.4873
810.2611	405.6342	270.7585	7	E	8	1133.4259	**567.2166**	378.4802
977.2594	489.1333	**326.4247**	8	S[167]	7	1004.3833	**502.6953**	335.4660
1092.2864	**546.6468**	364.7670	9	D	6	837.3849	**419.1961**	279.7998
1248.3875	**624.6974**	416.8007	10	R	5	**722.3580**	**361.6826**	241.4575
1395.4559	**698.2316**	465.8235	11	F	4	**566.2569**	283.6321	189.4238
1510.4828	**755.7450**	**504.1658**	12	D	3	**419.1885**	210.0979	140.4010
1639.5254	**820.2663**	**547.1800**	13	E	2	**304.1615**	152.5844	102.0587
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.MDDPT$_{181}$VNWS$_{167}$K$_{136}$.E/2

0.7716

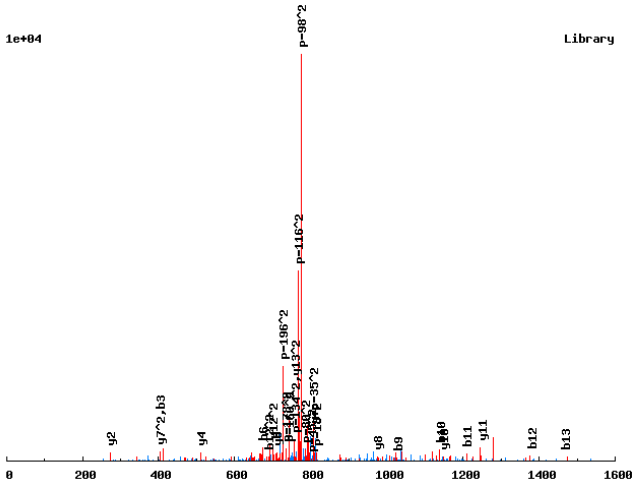


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	10		
247.0747	124.0410	2	D	9	1229.4367	**615.2220**
362.1017	181.5545	3	D	8	**1114.4097**	**557.7085**
459.1544	230.0808	4	P	7	**999.3828**	500.1950
640.1684	320.5879	5	T[181]	6	**902.3300**	451.6687
739.2368	370.1221	6	V	5	721.3160	**361.1616**
853.2798	427.1435	7	N	4	**622.2476**	311.6274
1039.3591	520.1832	8	W	3	**508.2047**	254.6060
1206.3574	603.6824	9	S[167]	2	322.1254	161.5663
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.MDRPSSS$_{167}$PSIAS$_{167}$PR.R/2

0.9928

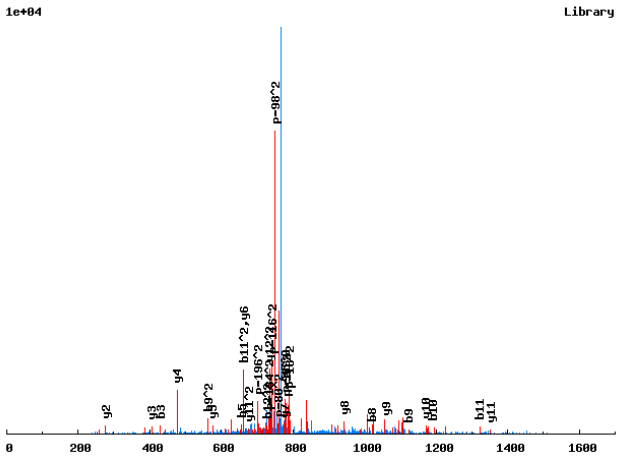


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	14		
247.0747	124.0410	2	D	13	1516.6193	**758.8133**
403.1758	202.0915	3	R	12	1401.5923	**701.2998**
500.2286	250.6179	4	P	11	**1245.4912**	623.2492
587.2606	294.1339	5	S	10	**1148.4385**	574.7229
674.2926	337.6500	6	S	9	1061.4064	531.2069
841.2910	421.1491	7	S[167]	8	**974.3744**	487.6908
938.3438	469.6755	8	P	7	**807.3760**	**404.1917**
1025.3758	513.1915	9	S	6	**710.3233**	355.6653
1138.4599	569.7336	10	I	5	623.2912	312.1493
1209.4970	605.2521	11	A	4	**510.2072**	255.6072
1376.4953	**688.7513**	12	S[167]	3	439.1701	220.0887
1473.5481	737.2777	13	P	2	**272.1717**	136.5895
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.MDT$_{181}$NDS$_{167}$ISVAEEK.D/2

0.9998

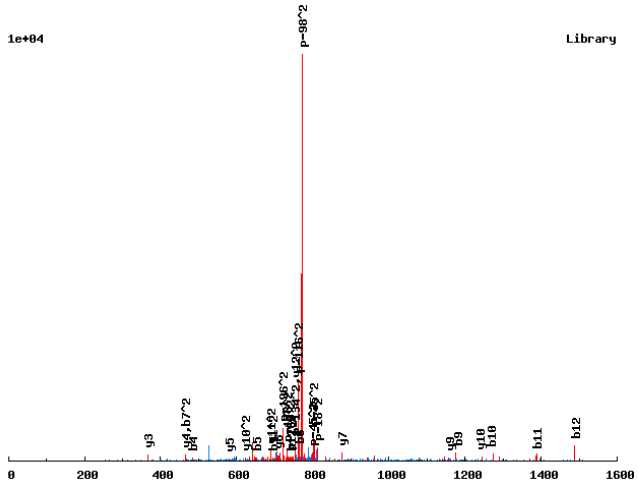


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	13		
247.0747	124.0410	2	D	12	1467.5288	**734.2680**
428.0887	214.5480	3	T[181]	11	**1352.5018**	**676.7546**
542.1317	271.5695	4	N	10	**1171.4878**	586.2476
657.1586	329.0829	5	D	9	**1057.4449**	529.2261
824.1570	412.5821	6	S[167]	8	**942.4180**	471.7126
937.2410	469.1241	7	I	7	**775.4196**	388.2134
1024.2730	512.6402	8	S	6	**662.3355**	331.6714
1123.3415	**562.1744**	9	V	5	**575.3035**	288.1554
1194.3786	597.6929	10	A	4	**476.2351**	238.6212
1323.4212	**662.2142**	11	E	3	**405.1980**	203.1026
1452.4637	**726.7355**	12	E	2	**276.1554**	138.5813
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.MEHSS$_{167}$LS$_{167}$QDVLVK$_{136}$.E/2

0.9975

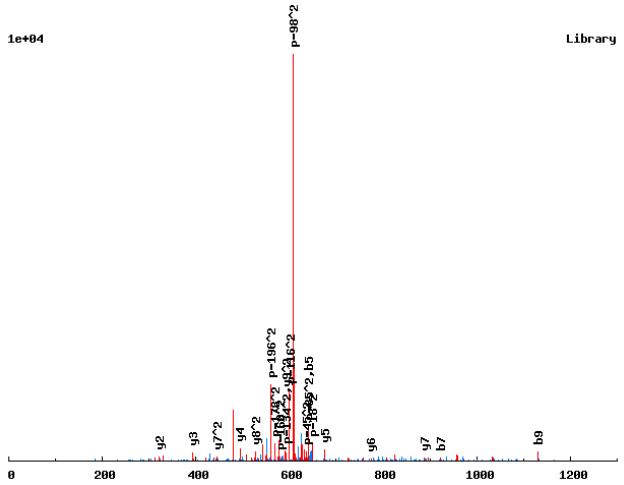


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	13		
261.0904	131.0488	2	E	12	1509.6477	**755.3275**
398.1493	199.5783	3	H	11	1380.6051	**690.8062**
485.1813	243.0943	4	S	10	**1243.5462**	**622.2767**
652.1797	326.5935	5	S[167]	9	**1156.5142**	578.7607
765.2637	383.1355	6	L	8	989.5158	495.2615
932.2621	**466.6347**	7	S[167]	7	**876.4318**	438.7195
1060.3207	530.6640	8	Q	6	**709.4334**	355.2203
1175.3476	588.1774	9	D	5	**581.3748**	291.1910
1274.4160	637.7116	10	V	4	**466.3479**	233.6776
1387.5001	**694.2537**	11	L	3	**367.2795**	184.1434
1486.5685	**743.7879**	12	V	2	254.1954	127.6013
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.MES$_{167}$NVT$_{181}$TAHR$_{166}$.S/2

0.9925

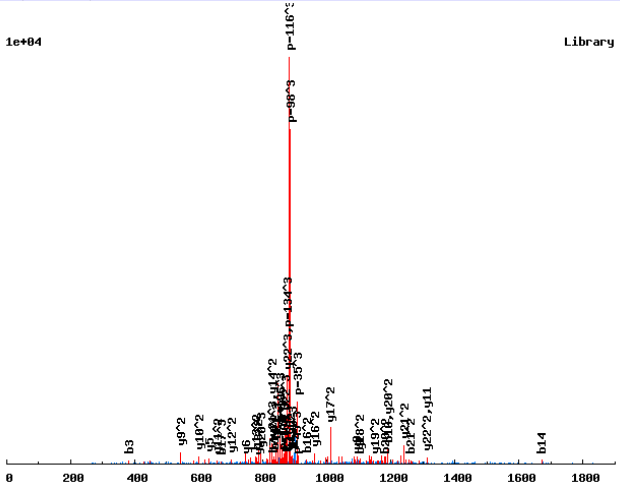


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	10		
261.0904	131.0488	2	E	9	1184.4372	**592.7223**
428.0887	214.5480	3	S[167]	8	1055.3946	**528.2010**
542.1317	271.5695	4	N	7	**888.3963**	**444.7018**
641.2001	321.1037	5	V	6	**774.3533**	387.6803
822.2141	411.6107	6	T[181]	5	**675.2849**	338.1461
923.2618	462.1345	7	T	4	**494.2709**	247.6391
994.2989	497.6531	8	A	3	**393.2232**	197.1153
1131.3578	566.1825	9	H	2	**322.1861**	161.5967
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.MFTSTS$_{167}$PRNSS$_{167}$SLDSDHDAYYSK.Q/3

0.6501

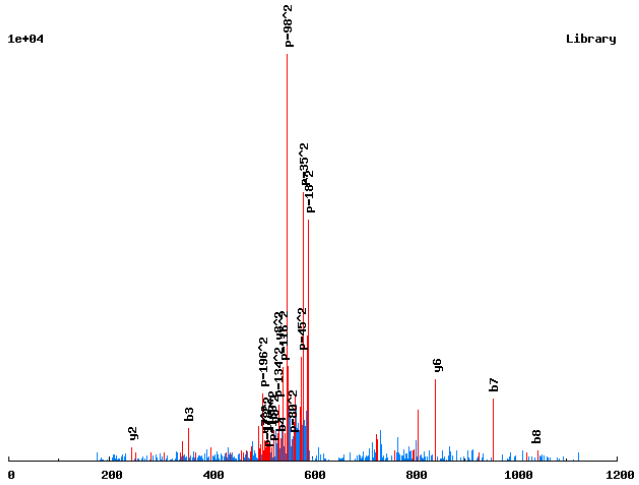


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	23			
279.1162	140.0617	93.7102	2	F	22	2625.0178	**1313.0125**	**875.6775**
380.1639	190.5856	127.3928	3	T	21	2477.9494	**1239.4783**	**826.6547**
467.1959	234.1016	156.4035	4	S	20	2376.9017	**1188.9545**	**792.9721**
568.2436	284.6254	190.0860	5	T	19	2289.8697	**1145.4385**	763.9614
735.2419	368.1246	245.7522	6	S[167]	18	2188.8220	**1094.9146**	730.2789
832.2947	416.6510	278.1031	7	P	17	2021.8236	**1011.4155**	674.6127
988.3958	494.7015	330.1368	8	R	16	1924.7709	**962.8891**	642.2618
1102.4387	551.7230	368.1511	9	N	15	1768.6698	**884.8385**	590.2281
1189.4708	595.2390	397.1618	10	S	14	1654.6268	**827.8171**	552.2138
1356.4691	678.7382	452.8279	11	S[167]	13	1567.5948	**784.3010**	523.2031
1443.5012	722.2542	481.8386	12	S	12	1400.5964	**700.8019**	467.5370
1556.5852	**778.7962**	519.5333	13	L	11	**1313.5644**	**657.2858**	438.5263
1671.6122	**836.3097**	557.8756	14	D	10	1200.4804	**600.7438**	400.8316
1758.6442	879.8257	586.8862	15	S	9	**1085.4534**	**543.2303**	362.4893
1873.6711	**937.3392**	625.2286	16	D	8	998.4214	499.7143	333.4787
2010.7300	1005.8687	**670.9149**	17	H	7	**883.3945**	442.2009	295.1363
2125.7570	1063.3821	709.2572	18	D	6	**746.3355**	373.6714	249.4500
2196.7941	1098.9007	732.9362	19	A	5	**631.3086**	316.1579	211.1077
2359.8574	**1180.4323**	787.2907	20	Y	4	560.2715	280.6394	187.4287
2522.9207	**1261.9640**	**841.6451**	21	Y	3	397.2082	199.1077	133.0742
2609.9528	1305.4800	**870.6558**	22	S	2	234.1448	117.5761	78.7198
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.MGS$_{167}$T$_{181}$S$_{167}$AT$_{181}$SK$_{136}$.E/2

0.7091

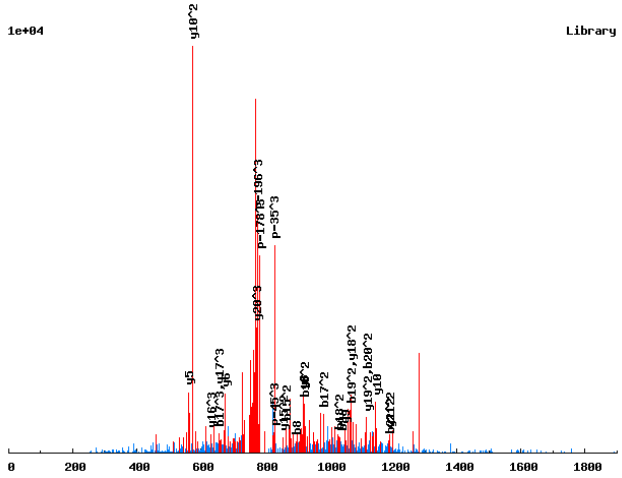


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	9		
189.0692	95.0383	2	G	8	1066.2423	**533.6248**
356.0676	178.5374	3	S[167]	7	1009.2209	**505.1141**
537.0816	269.0444	4	T[181]	6	**842.2225**	421.6149
704.0800	352.5436	5	S[167]	5	661.2085	331.1079
775.1171	388.0622	6	A	4	494.2101	247.6087
956.1311	478.5692	7	T[181]	3	423.1730	212.0902
1043.1631	**522.0852**	8	S	2	**242.1590**	121.5832
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.M$_{147}$GSTS$_{167}$AT$_{181}$SK$_{136}$ENTPEQDDVATK$_{136}$K$_{136}$.N/3

0.6467

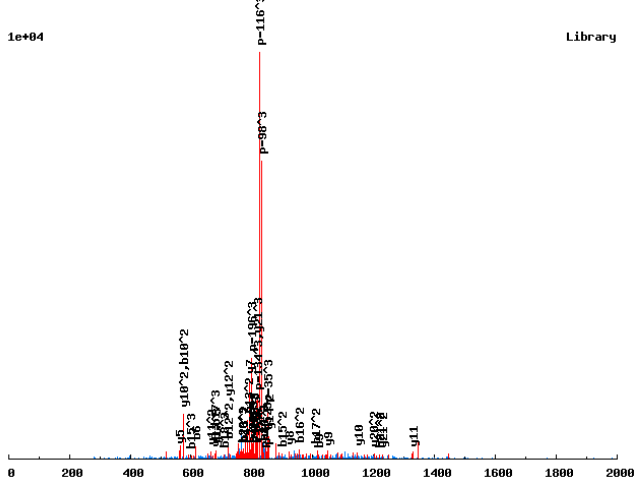


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0427	74.5250	50.0191	1	M[147]	22			
205.0641	103.0357	69.0262	2	G	21	2378.0222	**1189.5147**	793.3456
292.0962	146.5517	98.0369	3	S	20	2321.0007	1161.0040	**774.3384**
393.1438	197.0756	131.7195	4	T	19	2233.9687	**1117.4880**	745.3278
560.1422	280.5747	187.3856	5	S[167]	18	2132.9210	**1066.9642**	711.6452
631.1793	316.0933	211.0646	6	A	17	1965.9227	983.4650	**655.9791**
812.1933	406.6003	271.4026	7	T[181]	16	1894.8856	947.9464	**632.3000**
899.2254	450.1163	300.4133	8	S	15	1713.8716	**857.4394**	571.9620
1035.3345	518.1709	345.7830	9	K[136]	14	1626.8395	813.9234	542.9514
1164.3771	582.6922	388.7972	10	E	13	1490.7304	745.8688	497.5816
1278.4200	639.7137	426.8115	11	N	12	1361.6878	681.3475	454.5674
1379.4677	690.2375	460.4941	12	T	11	1247.6448	624.3261	416.5531
1476.5205	738.7639	492.8450	13	P	10	**1146.5972**	**573.8022**	382.8706
1605.5631	803.2852	535.8592	14	E	9	**1049.5444**	525.2758	350.5197
1733.6217	**867.3145**	578.5454	15	Q	8	**920.5018**	460.7545	307.5055
1848.6486	**924.8279**	616.8877	16	D	7	792.4432	396.7253	264.8193
1963.6755	**982.3414**	**655.2300**	17	D	6	**677.4163**	339.2118	226.4770
2062.7439	**1031.8756**	688.2528	18	V	5	**562.3894**	281.6983	188.1346
2133.7811	**1067.3942**	711.9319	19	A	4	463.3209	232.1641	155.1118
2234.8287	**1117.9180**	745.6144	20	T	3	392.2838	196.6456	131.4328
2370.9379	**1185.9726**	790.9841	21	K[136]	2	291.2362	146.1217	97.7502
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.MGS$_{167}$TSAT$_{181}$SK$_{136}$ENT$_{181}$PEQDDVATK$_{136}$K$_{136}$.N/3

0.6811

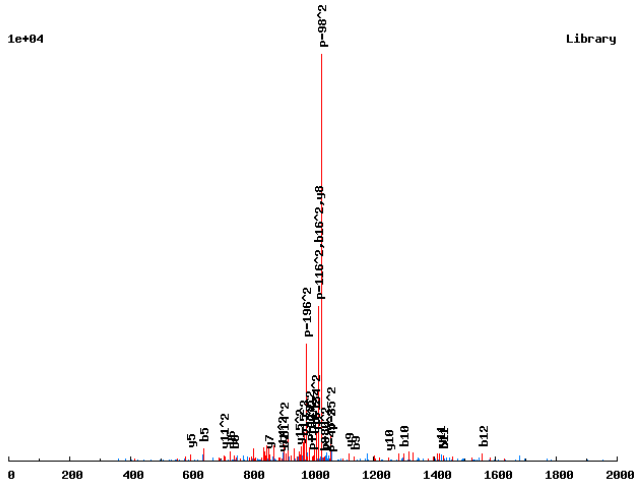


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	22			
189.0692	95.0383	63.6946	2	G	21	2457.9885	**1229.4979**	**820.0010**
356.0676	178.5374	119.3607	3	S[167]	20	2400.9671	**1200.9872**	**800.9939**
457.1153	229.0613	153.0433	4	T	19	2233.9687	1117.4880	745.3278
544.1473	272.5773	182.0540	5	S	18	2132.9210	1066.9642	711.6452
615.1844	308.0958	205.7330	6	A	17	2045.8890	1023.4481	**682.6345**
796.1984	398.6029	266.0710	7	T[181]	16	1974.8519	987.9296	658.9555
883.2305	442.1189	295.0817	8	S	15	1793.8379	897.4226	598.6175
1019.3396	510.1734	340.4514	9	K[136]	14	1706.8059	**853.9066**	569.6068
1148.3822	**574.6947**	383.4656	10	E	13	1570.6967	**785.8520**	524.2371
1262.4251	631.7162	421.4799	11	N	12	1441.6541	**721.3307**	481.2229
1443.4391	**722.2232**	481.8179	12	T[181]	11	**1327.6112**	**664.3092**	443.2086
1540.4919	**770.7496**	514.1688	13	P	10	**1146.5972**	**573.8022**	382.8706
1669.5345	**835.2709**	557.1830	14	E	9	**1049.5444**	525.2758	350.5197
1797.5931	**899.3002**	**599.8692**	15	Q	8	**920.5018**	460.7545	307.5055
1912.6200	**956.8136**	638.2115	16	D	7	**792.4432**	396.7253	264.8193
2027.6470	**1014.3271**	**676.5538**	17	D	6	**677.4163**	339.2118	226.4770
2126.7154	1063.8613	**709.5766**	18	V	5	**562.3894**	281.6983	188.1346
2197.7525	1099.3799	733.2557	19	A	4	463.3209	232.1641	155.1118
2298.8002	1149.9037	**766.9382**	20	T	3	392.2838	196.6456	131.4328
2434.9093	**1217.9583**	**812.3080**	21	K[136]	2	291.2362	146.1217	97.7502
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.MIDS$_{167}$NVS$_{167}$KTYEEHIETV.-/2

0.9193

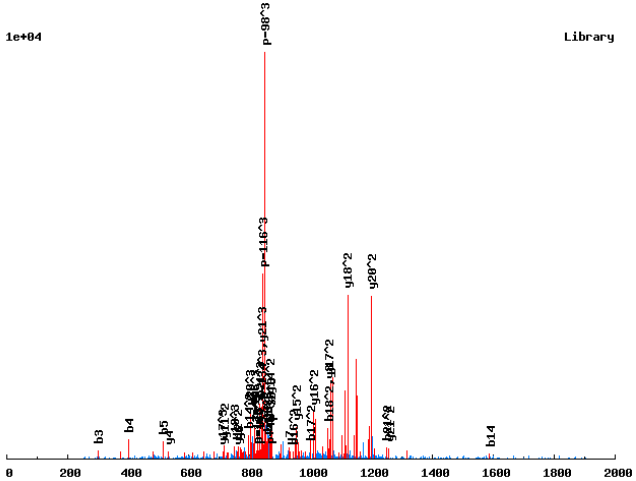


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	**1**	**M**	**17**		
245.1318	123.0696	**2**	**I**	**16**	2023.8297	**1012.4185**
360.1588	180.5830	**3**	**D**	**15**	1910.7456	**955.8765**
527.1571	264.0822	**4**	**S[167]**	**14**	1795.7187	**898.3630**
641.2001	321.1037	**5**	**N**	**13**	1628.7203	814.8638
740.2685	370.6379	**6**	**V**	**12**	1514.6774	757.8423
907.2668	454.1371	**7**	**S[167]**	**11**	**1415.6090**	**708.3081**
1035.3618	518.1845	**8**	**K**	**10**	**1248.6106**	624.8090
1136.4095	568.7084	**9**	**T**	**9**	**1120.5157**	560.7615
1299.4728	650.2400	**10**	**Y**	**8**	**1019.4680**	510.2376
1428.5154	714.7613	**11**	**E**	**7**	**856.4047**	428.7060
1557.5580	779.2826	**12**	**E**	**6**	**727.3621**	364.1847
1694.6169	847.8121	**13**	**H**	**5**	**598.3195**	299.6634
1807.7010	**904.3541**	**14**	**I**	**4**	461.2606	231.1339
1936.7435	**968.8754**	**15**	**E**	**3**	348.1765	174.5919
2037.7912	**1019.3993**	**16**	**T**	**2**	219.1339	110.0706
		17	**V**	**1**	118.0862	59.5468

Annotated spectra from Saleem et. al. 2009

K.MIGVLNNS$_{167}$SESDEEES$_{167}$NDEKQK.A/3

0.9993

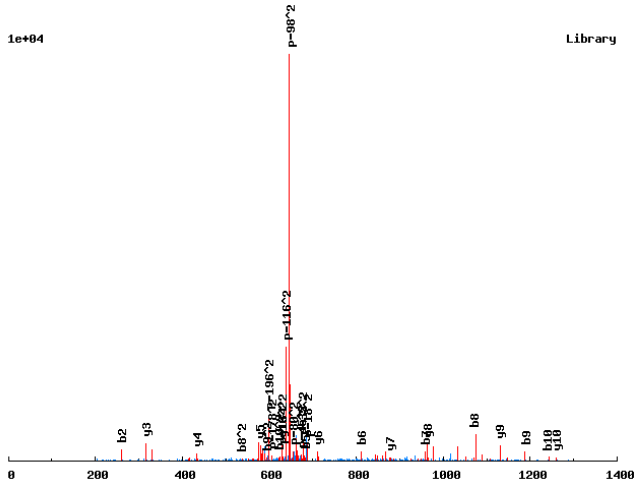


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	22			
245.1318	123.0696	82.3821	2	I	21	2510.9807	**1255.9940**	**837.6651**
302.1533	151.5803	101.3893	3	G	20	2397.8967	**1199.4520**	**799.9704**
401.2217	201.1145	134.4121	4	V	19	2340.8752	1170.9412	780.9633
514.3058	257.6565	172.1068	5	L	18	2241.8068	**1121.4070**	**747.9405**
628.3487	314.6780	210.1211	6	N	17	2128.7227	**1064.8650**	**710.2458**
742.3916	371.6995	248.1354	7	N	16	2014.6798	**1007.8435**	672.2315
909.3900	455.1986	303.8015	8	S[167]	15	1900.6369	**950.8221**	634.2171
996.4220	498.7146	332.8122	9	S	14	1733.6385	**867.3229**	578.5510
1125.4646	563.2359	375.8264	10	E	13	1646.6065	**823.8069**	549.5404
1212.4966	606.7520	404.8371	11	S	12	1517.5639	**759.2856**	506.5262
1327.5236	664.2654	443.1794	12	D	11	1430.5319	**715.7696**	477.5155
1456.5662	728.7867	486.1936	13	E	10	1315.5049	658.2561	439.1732
1585.6088	**793.3080**	529.2078	14	E	9	1186.4623	593.7348	396.1590
1714.6513	**857.8293**	572.2220	15	E	8	**1057.4198**	529.2135	353.1448
1881.6497	**941.3285**	627.8881	16	S[167]	7	**928.3772**	464.6922	310.1306
1995.6926	**998.3500**	665.9024	17	N	6	**761.3788**	381.1930	254.4645
2110.7196	**1055.8634**	704.2447	18	D	5	647.3359	324.1716	216.4501
2239.7622	1120.3847	747.2589	19	E	4	**532.3089**	266.6581	178.1078
2367.8571	1184.4322	789.9572	20	K	3	403.2663	202.1368	135.0936
2495.9157	**1248.4615**	**832.6434**	21	Q	2	275.1714	138.0893	92.3953
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.MKS$_{167}$SS$_{167}$MFDLGK.S/2

0.9919

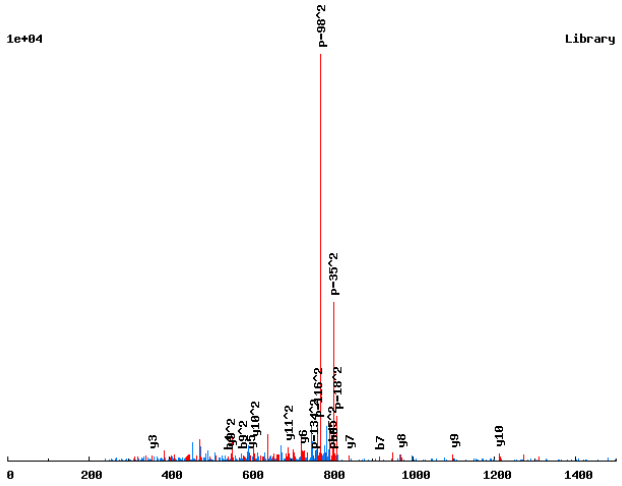


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	11		
260.1427	130.5750	2	K	10	**1259.4779**	**630.2426**
427.1411	214.0742	3	S[167]	9	**1131.3829**	566.1951
514.1731	257.5902	4	S	8	**964.3846**	482.6959
681.1715	341.0894	5	S[167]	7	**877.3525**	439.1799
812.2120	406.6096	6	M	6	**710.3542**	355.6807
959.2804	480.1438	7	F	5	**579.3137**	290.1605
1074.3073	**537.6573**	8	D	4	**432.2453**	216.6263
1187.3914	**594.1993**	9	L	3	**317.2183**	159.1128
1244.4128	**622.7101**	10	G	2	204.1343	102.5708
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

-.MMS$_{167}$DQENENEHAK.A/2

0.97

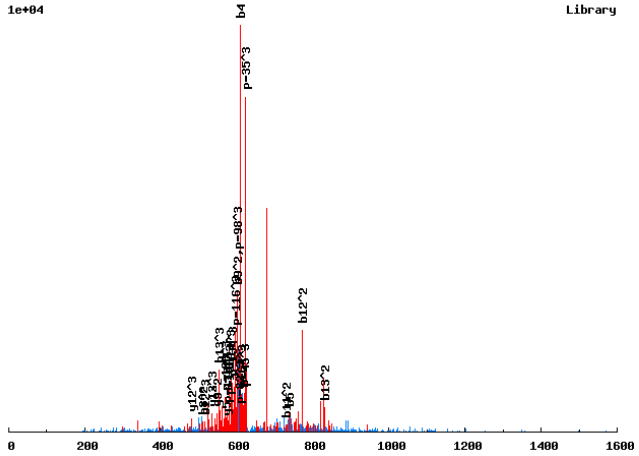


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	13		
263.0883	132.0478	2	M	12	1511.5468	756.2771
430.0866	215.5470	3	S[167]	11	1380.5063	**690.7568**
545.1136	273.0604	4	D	10	**1213.5080**	**607.2576**
673.1721	337.0897	5	Q	9	**1098.4810**	**549.7442**
802.2147	401.6110	6	E	8	**970.4225**	485.7149
916.2577	458.6325	7	N	7	**841.3799**	421.1936
1045.3003	523.1538	8	E	6	**727.3369**	364.1721
1159.3432	**580.1752**	9	N	5	**598.2943**	299.6508
1288.3858	644.6965	10	E	4	484.2514	242.6293
1425.4447	713.2260	11	H	3	**355.2088**	178.1080
1496.4818	748.7445	12	A	2	218.1499	109.5786
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.M$_{147}$M$_{147}$S$_{167}$FQANPT$_{181}$EESISK$_{136}$.F/3

0.6244

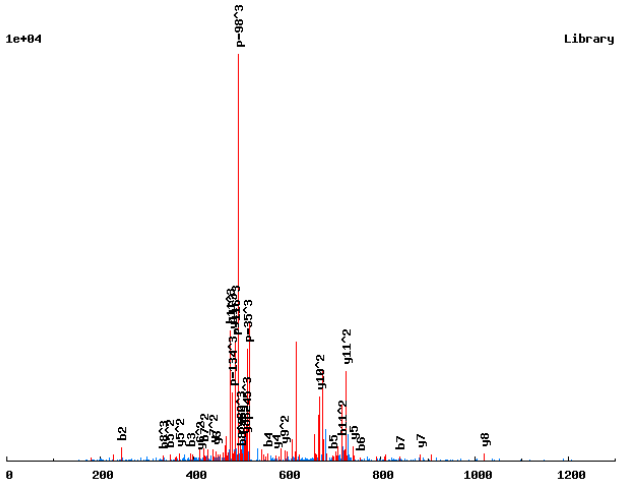


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
148.0427	74.5250	50.0191	1	M[147]	15			
295.0781	148.0427	99.0309	2	M[147]	14	1752.6679	876.8376	**584.8941**
462.0764	231.5419	154.6970	3	S[167]	13	1605.6325	803.3199	**535.8823**
609.1449	305.0761	203.7198	4	F	12	1438.6341	719.8207	**480.2162**
737.2034	369.1054	246.4060	5	Q	11	1291.5657	646.2865	431.1934
808.2405	404.6239	270.0850	6	A	10	1163.5071	582.2572	388.5072
922.2835	461.6454	308.0993	7	N	9	1092.4700	**546.7386**	364.8282
1019.3362	**510.1718**	340.4503	8	P	8	978.4271	489.7172	326.8139
1200.3502	**600.6788**	400.7883	9	T[181]	7	881.3743	441.1908	294.4630
1329.3928	665.2001	443.8025	10	E	6	700.3603	350.6838	234.1250
1458.4354	**729.7214**	486.8167	11	E	5	**571.3177**	286.1625	191.1108
1545.4675	**773.2374**	**515.8273**	12	S	4	442.2751	221.6412	148.0966
1658.5515	**829.7794**	**553.5220**	13	I	3	355.2431	178.1252	119.0859
1745.5835	873.2954	582.5327	14	S	2	242.1590	121.5832	81.3912
			15	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.MNFS$_{167}$HGSYEYHK.S/3

0.7143

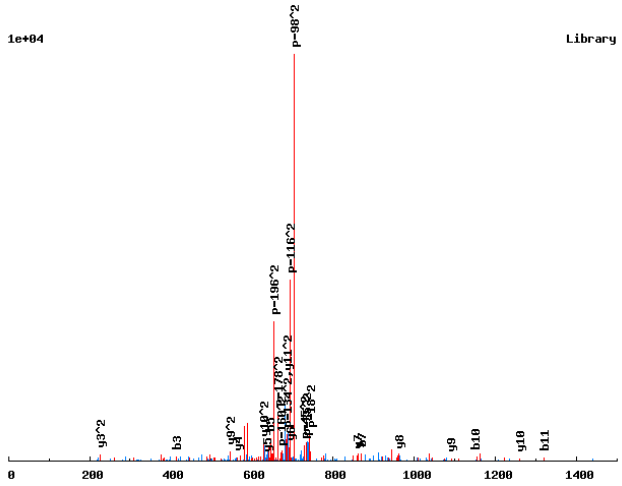


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	12			
246.0907	123.5490	82.7018	2	N	11	1448.5631	**724.7852**	**483.5259**
393.1591	197.0832	131.7246	3	F	10	1334.5201	**667.7637**	445.5116
560.1575	280.5824	187.3907	4	S[167]	9	1187.4517	**594.2295**	396.4888
697.2164	**349.1118**	233.0770	5	H	8	**1020.4534**	**510.7303**	340.8226
754.2378	377.6226	252.0841	6	G	7	**883.3945**	**442.2009**	295.1363
841.2699	**421.1386**	281.0948	7	S	6	826.3730	**413.6901**	276.1292
1004.3332	**502.6702**	**335.4493**	8	Y	5	**739.3410**	**370.1741**	247.1185
1133.3758	567.1915	378.4635	9	E	4	**576.2776**	288.6425	192.7641
1296.4391	648.7232	432.8179	10	Y	3	**447.2350**	224.1212	149.7499
1433.4980	**717.2527**	**478.5042**	11	H	2	284.1717	142.5895	95.3954
			12	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.MNS$_{167}$MTS$_{167}$GANVR$_{166}$R$_{166}$.N/2

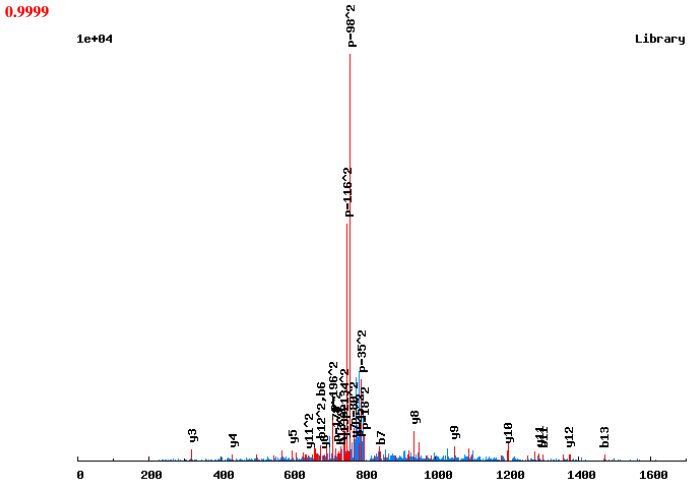
0.8049



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	12		
246.0907	123.5490	2	N	11	1372.5343	**686.7708**
413.0891	207.0482	3	S[167]	10	**1258.4914**	**629.7493**
544.1296	272.5684	4	M	9	**1091.4930**	**546.2502**
645.1772	323.0923	5	T	8	**960.4525**	480.7299
812.1756	406.5914	6	S[167]	7	**859.4049**	430.2061
869.1971	435.1022	7	G	6	**692.4065**	346.7069
940.2342	470.6207	8	A	5	**635.3850**	318.1962
1054.2771	527.6422	9	N	4	**564.3479**	282.6776
1153.3455	577.1764	10	V	3	450.3050	**225.6561**
1319.4549	660.2311	11	R[166]	2	351.2366	176.1219
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

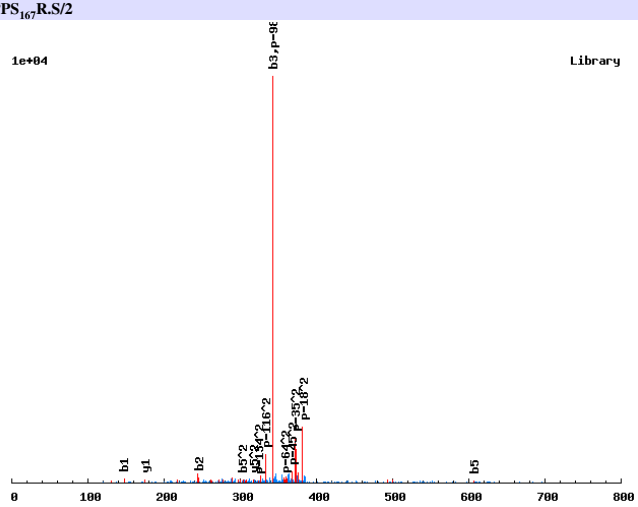
R.MNSSFLS$_{167}$SSS$_{167}$IGDK.I/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	14		
246.0907	123.5490	2	N	13	1488.5655	**744.7864**
333.1227	167.0650	3	S	12	**1374.5226**	687.7649
420.1548	210.5810	4	S	11	**1287.4905**	**644.2489**
567.2232	284.1152	5	F	10	**1200.4585**	600.7329
680.3072	340.6573	6	L	9	**1053.3901**	527.1987
847.3056	424.1564	7	S[167]	8	**940.3060**	470.6567
934.3376	467.6725	8	S	7	**773.3077**	387.1575
1021.3697	511.1885	9	S	6	**686.2757**	343.6415
1188.3680	594.6876	10	S[167]	5	**599.2436**	300.1255
1301.4521	651.2297	11	I	4	**432.2453**	216.6263
1358.4735	**679.7404**	12	G	3	**319.1612**	160.0842
1473.5005	**737.2539**	13	D	2	262.1397	131.5735
		14	K	1	147.1128	74.0600

-.M$_{147}$PPPS$_{167}$R.S/2

0.8431

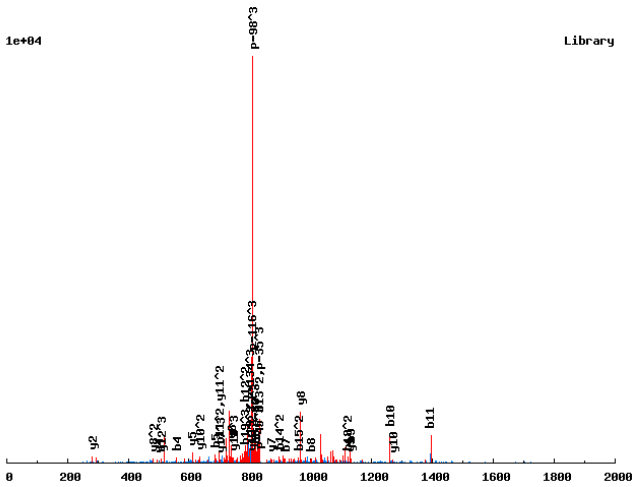


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0427	74.5250	1	M[147]	6		
245.0954	123.0514	2	P	5	633.2756	317.1414
342.1482	171.5777	3	P	4	536.2228	268.6151
439.2010	220.1041	4	P	3	439.1701	220.0887
606.1993	303.6033	5	S[167]	2	342.1173	171.5623
		6	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.MR$_{166}$EEEQTSQEK$_{136}$S$_{167}$PQENTLPR$_{166}$.E/3

0.9326

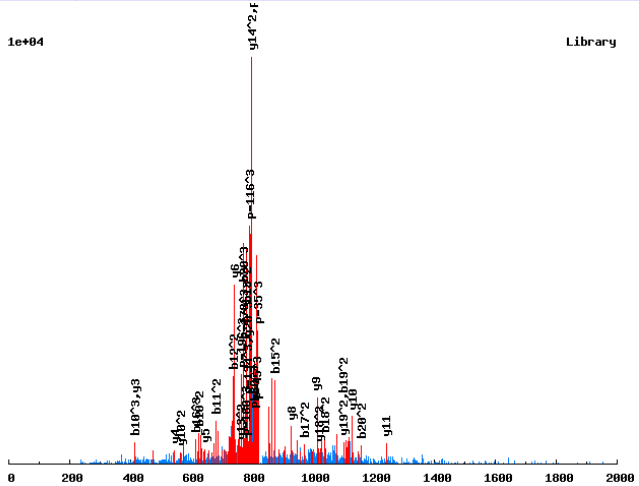


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	20			
298.1571	149.5822	100.0572	2	R[166]	19	2394.0927	1197.5500	**798.7024**
427.1997	214.1035	143.0714	3	E	18	2227.9833	1114.4953	**743.3326**
556.2423	278.6248	186.0856	4	E	17	2098.9407	1049.9740	**700.3184**
685.2849	343.1461	229.0998	5	E	16	1969.8981	985.4527	657.3042
813.3435	407.1754	271.7860	6	Q	15	1840.8556	920.9314	614.2900
914.3912	457.6992	305.4686	7	T	14	1712.7970	856.9021	571.6038
1001.4232	501.2152	334.4793	8	S	13	1611.7493	**806.3783**	537.9213
1129.4818	565.2445	377.1654	9	Q	12	1524.7173	762.8623	**508.9106**
1258.5244	629.7658	420.1796	10	E	11	1396.6587	**698.8330**	466.2244
1394.6335	**697.8204**	465.5494	11	K[136]	10	**1267.6161**	**634.3117**	423.2102
1561.6319	**781.3196**	521.2155	12	S[167]	9	**1131.5069**	566.2571	377.8405
1658.6847	**829.8460**	553.5664	13	P	8	**964.5086**	**482.7579**	322.1744
1786.7432	**893.8753**	596.2526	14	Q	7	**867.4558**	434.2315	289.8235
1915.7858	**958.3966**	639.2668	15	E	6	**739.3972**	370.2023	247.1373
2029.8288	1015.4180	677.2811	16	N	5	**610.3546**	305.6810	204.1231
2130.8764	1065.9419	710.9637	17	T	4	**496.3117**	248.6595	166.1088
2243.9605	**1122.4839**	748.6584	18	L	3	395.2640	198.1357	132.4262
2341.0133	1171.0103	**781.0093**	19	P	2	**282.1800**	141.5936	94.7315
			20	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.MRS$_{167}$HTNSAS$_{167}$DLDSVSPVEQLR.E/3

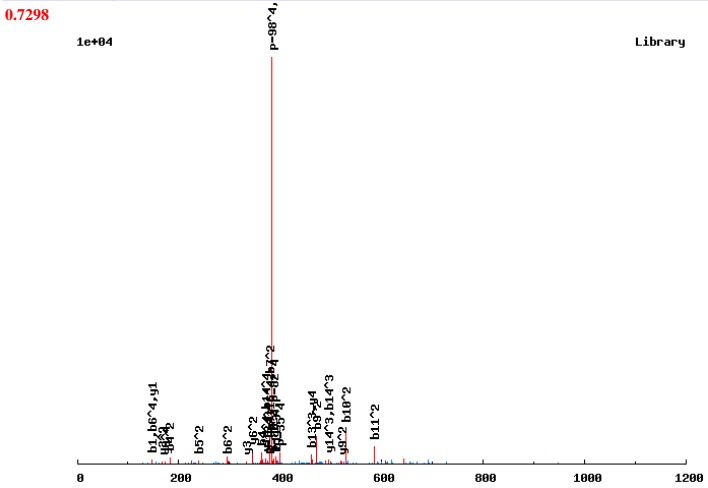
0.9975



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	21			
288.1489	144.5781	96.7211	2	R	20	2358.0123	1179.5098	**786.6756**
455.1472	228.0773	152.3873	3	S[167]	19	2201.9111	**1101.4592**	734.6419
592.2062	296.6067	198.0736	4	H	18	2034.9128	**1017.9600**	678.9758
693.2538	347.1306	231.7561	5	T	17	1897.8539	949.4306	633.2895
807.2968	404.1520	269.7704	6	N	16	1796.8062	898.9067	599.6069
894.3288	447.6680	298.7811	7	S	15	1682.7633	841.8853	561.5926
965.3659	483.1866	322.4602	8	A	14	1595.7312	**798.3693**	532.5819
1132.3643	566.6858	378.1263	9	S[167]	13	1524.6941	**762.8507**	508.9029
1247.3912	**624.1992**	**416.4686**	10	D	12	1357.6958	679.3515	453.2368
1360.4753	**680.7413**	454.1633	11	L	11	**1242.6688**	621.8381	414.8945
1475.5022	**738.2547**	492.5056	12	D	10	**1129.5848**	**565.2960**	377.1998
1562.5342	**781.7708**	521.5163	13	S	9	**1014.5578**	507.7826	338.8575
1661.6026	831.3050	554.5391	14	V	8	**927.5258**	464.2665	309.8468
1748.6347	**874.8210**	583.5497	15	S	7	828.4574	414.7323	276.8240
1845.6874	923.3474	**615.9007**	16	P	6	**741.4254**	371.2163	247.8133
1944.7558	**972.8816**	648.9235	17	V	5	**644.3726**	322.6899	215.4624
2073.7984	**1037.4029**	691.9377	18	E	4	**545.3042**	273.1557	182.4396
2201.8570	**1101.4321**	734.6239	19	Q	3	**416.2616**	208.6344	139.4254
2314.9411	**1157.9742**	**772.3185**	20	L	2	288.2030	144.6051	96.7392
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

-.M$_{147}$SAGDIS$_{167}$AINIKSVK.K/4

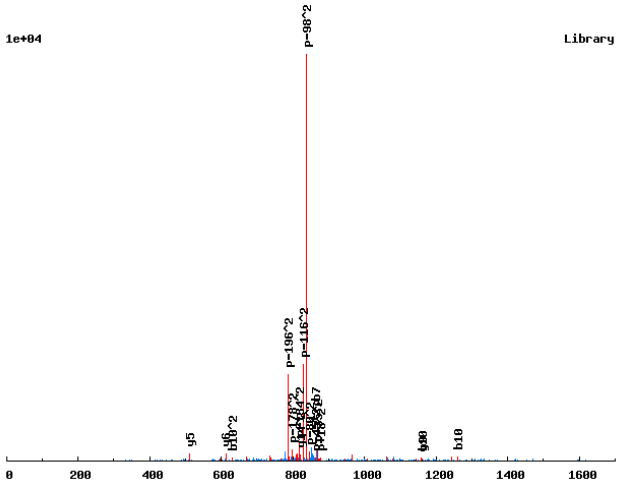


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
148.0427	74.5250	50.0191	37.7661	**1**	**M[147]**	**15**				
235.0747	118.0410	79.0298	59.5241	**2**	**S**	**14**	1482.7563	741.8818	**494.9236**	**371.4445**
306.1118	153.5595	102.7088	77.2834	**3**	**A**	**13**	1395.7243	698.3658	465.9130	349.6865
363.1333	**182.0703**	121.7159	91.5388	**4**	**G**	**12**	1324.6872	662.8472	442.2339	331.9273
478.1602	**239.5837**	160.0583	120.2955	**5**	**D**	**11**	1267.6657	634.3365	423.2268	317.6719
591.2443	**296.1258**	197.7529	**148.5665**	**6**	**I**	**10**	1152.6388	576.8230	**384.8844**	288.9152
758.2426	**379.6250**	253.4191	190.3161	**7**	**S[167]**	**9**	1039.5547	**520.2810**	347.1898	260.6441
829.2798	415.1435	277.0981	208.0754	**8**	**A**	**8**	872.5564	436.7818	291.5236	218.8946
942.3638	**471.6855**	314.7928	236.3464	**9**	**I**	**7**	801.5193	401.2633	267.8446	201.1353
1056.4067	**528.7070**	352.8071	264.8571	**10**	**N**	**6**	688.4352	**344.7212**	230.1499	**172.8643**
1169.4908	**585.2490**	**390.5018**	293.1282	**11**	**I**	**5**	574.3923	287.6998	192.1356	144.3535
1297.5858	649.2965	433.2001	325.1519	**12**	**K**	**4**	**461.3082**	231.1577	154.4409	116.0825
1384.6178	692.8125	**462.2108**	346.9099	**13**	**S**	**3**	**333.2132**	**167.1103**	111.7426	84.0588
1483.6862	742.3467	**495.2336**	**371.6770**	**14**	**V**	**2**	246.1812	123.5942	82.7319	62.3008
				15	**K**	**1**	**147.1128**	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

R.MSDLS$_{167}$LK$_{136}$S$_{167}$ETPASTK$_{136}$.N/2

0.7623

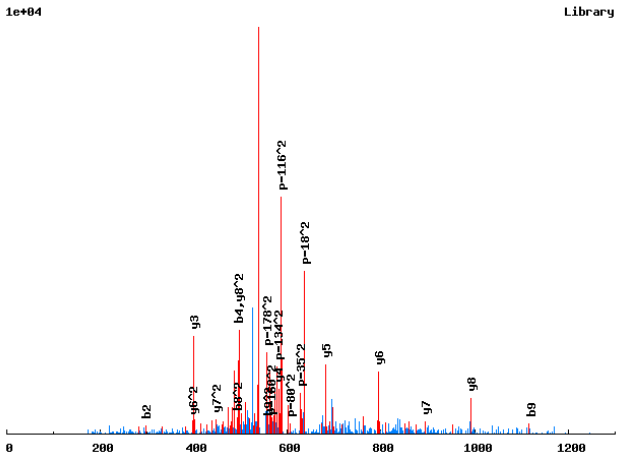


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	15		
219.0798	110.0435	2	S	14	1639.7198	**820.3635**
334.1067	167.5570	3	D	13	1552.6878	776.8475
447.1908	224.0990	4	L	12	1437.6608	719.3341
614.1892	307.5982	5	S[167]	11	1324.5768	662.7920
727.2732	364.1403	6	L	10	**1157.5784**	579.2929
863.3824	432.1948	7	K[136]	9	1044.4944	522.7508
1030.3807	515.6940	8	S[167]	8	908.3852	454.6962
1159.4233	580.2153	9	E	7	741.3868	371.1971
1260.4710	**630.7391**	10	T	6	**612.3443**	306.6758
1357.5238	679.2655	11	P	5	**511.2966**	256.1519
1428.5609	714.7841	12	A	4	414.2438	207.6255
1515.5929	758.3001	13	S	3	343.2067	172.1070
1616.6406	808.8239	14	T	2	256.1747	128.5910
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.MS$_{167}$PVLTT$_{181}$PKR.H/2

0.7939

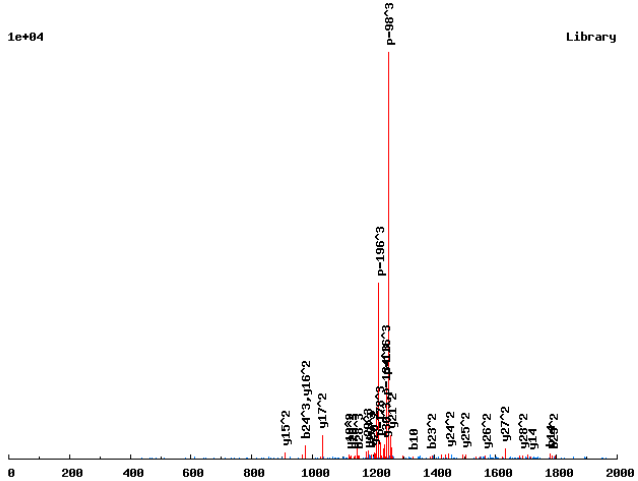


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
132.0478	66.5275	1	M	10		
299.0461	150.0267	2	S[167]	9	1158.5320	579.7696
396.0989	198.5531	3	P	8	**991.5336**	**496.2704**
495.1673	248.0873	4	V	7	**894.4808**	**447.7441**
608.2514	304.6293	5	L	6	**795.4124**	**398.2099**
709.2990	355.1532	6	T	5	**682.3284**	341.6678
890.3131	445.6602	7	T[181]	4	**581.2807**	291.1440
987.3658	**494.1865**	8	P	3	**400.2667**	200.6370
1115.4608	**558.2340**	9	K	2	303.2139	152.1106
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

-.MS$_{167}$S$_{167}$DEEDFNDIYGDDK$_{136}$PTTTEEVK$_{136}$K$_{136}$EEEQNK$_{136}$.A/3

0.9271

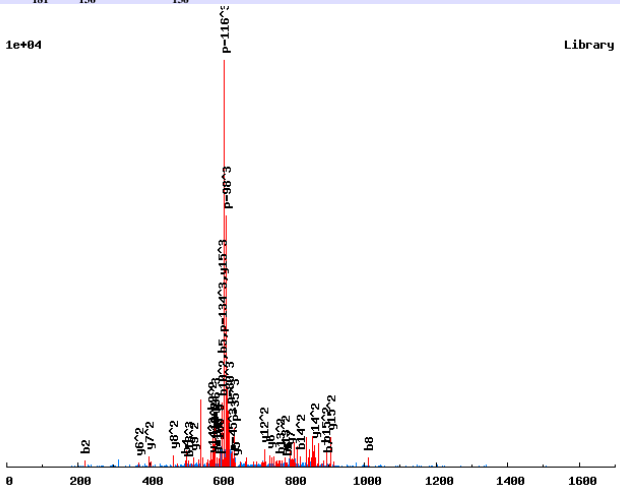


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	31			
299.0461	150.0267	100.3536	2	S[167]	30	3711.5299	1856.2686	**1237.8482**
466.0445	233.5259	156.0197	3	S[167]	29	3544.5316	1772.7694	**1182.1820**
581.0714	291.0394	194.3620	4	D	28	3377.5332	**1689.2702**	**1126.5159**
710.1140	355.5607	237.3762	5	E	27	3262.5063	**1631.7568**	1088.1736
839.1566	420.0819	280.3904	6	E	26	3133.4637	**1567.2355**	1045.1594
954.1836	477.5954	318.7327	7	D	25	3004.4211	**1502.7142**	1002.1452
1101.2520	551.1296	367.7555	8	F	24	2889.3942	**1445.2007**	963.8029
1215.2949	608.1511	405.7698	9	N	23	2742.3257	1371.6665	914.7801
1330.3218	665.6646	444.1121	10	D	22	2628.2828	1314.6450	876.7658
1443.4059	722.2066	481.8068	11	I	21	2513.2559	**1257.1316**	838.4235
1606.4692	803.7383	536.1613	12	Y	20	2400.1718	**1200.5895**	800.7288
1663.4907	832.2490	555.1684	13	G	19	2237.1085	**1119.0579**	746.3743
1778.5176	889.7625	593.5107	14	D	18	2180.0870	1090.5472	727.3672
1893.5446	947.2759	631.8530	15	D	17	2065.0601	**1033.0337**	689.0249
2029.6537	1015.3305	677.2228	16	K[136]	16	1950.0331	**975.5202**	650.6826
2126.7065	1063.8569	709.5737	17	P	15	1813.9240	**907.4656**	605.3128
2227.7542	1114.3807	743.2562	18	T	14	**1716.8712**	858.9393	572.9619
2328.8018	1164.9046	776.9388	19	T	13	1615.8235	808.4154	539.2794
2429.8495	1215.4284	810.6214	20	T	12	1514.7759	757.8916	505.5968
2558.8921	1279.9497	853.6356	21	E	11	1413.7282	707.3677	471.9142
2687.9347	1344.4710	896.6498	22	E	10	1284.6856	642.8464	428.9001
2787.0031	**1394.0052**	929.6726	23	V	9	1155.6430	578.3251	385.8859
2923.1123	1462.0598	**975.0423**	24	K[136]	8	1056.5746	528.7909	352.8631
3059.2214	1530.1144	1020.4120	25	K[136]	7	920.4654	460.7364	307.4933
3188.2640	1594.6356	1063.4262	26	E	6	784.3563	392.6818	262.1236
3317.3066	1659.1569	1106.4404	27	E	5	655.3137	328.1605	219.1094
3446.3492	1723.6782	**1149.4546**	28	E	4	526.2711	263.6392	176.0952
3574.4078	**1787.7075**	**1192.1408**	29	Q	3	397.2285	199.1179	133.0810
3688.4507	1844.7290	1230.1551	30	N	2	269.1699	135.0886	90.3948
			31	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.MSS$_{167}$DTT$_{181}$IDK$_{136}$GPSHLFK$_{136}$.K/3

0.9876

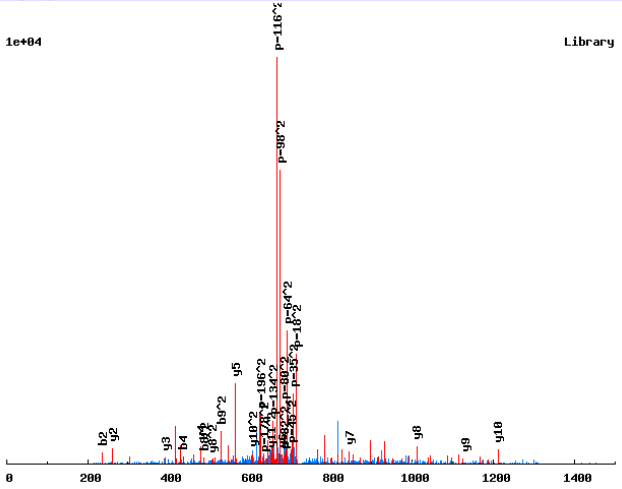


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	16			
219.0798	110.0435	73.6981	2	S	15	1808.7838	**904.8955**	**603.5995**
386.0782	193.5427	129.3642	3	S[167]	14	1721.7518	**861.3795**	**574.5888**
501.1051	251.0562	167.7066	4	D	13	1554.7534	**777.8803**	518.9227
602.1528	301.5800	201.3891	5	T	12	1439.7265	**720.3669**	480.5803
783.1668	392.0870	261.7271	6	T[181]	11	1338.6788	669.8430	446.8978
896.2509	448.6291	299.4218	7	I	10	1157.6648	**579.3360**	386.5598
1011.2778	506.1425	337.7641	8	D	9	1044.5807	**522.7940**	348.8651
1147.3870	**574.1971**	383.1338	9	K[136]	8	929.5538	**465.2805**	310.5228
1204.4084	**602.7078**	402.1410	10	G	7	**793.4446**	**397.2260**	265.1531
1301.4612	651.2342	434.4919	11	P	6	**736.4232**	**368.7152**	246.1459
1388.4932	694.7502	463.5026	12	S	5	**639.3704**	320.1888	213.7950
1525.5521	**763.2797**	**509.1889**	13	H	4	552.3384	276.6728	184.7843
1638.6362	**819.8217**	546.8836	14	L	3	415.2795	208.1434	139.0980
1785.7046	**893.3559**	595.9064	15	F	2	302.1954	151.6013	101.4033
			16	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.M$_{147}$SSIS$_{167}$S$_{167}$ISSESR.R/2

0.9991

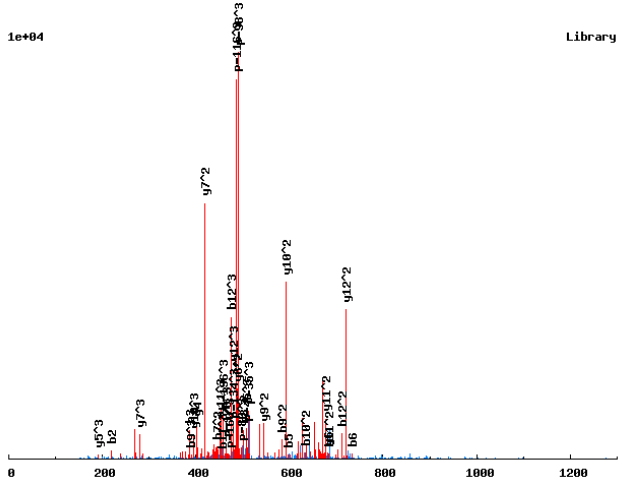


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
148.0427	74.5250	1	M[147]	12		
235.0747	118.0410	2	S	11	1299.4865	**650.2469**
322.1067	161.5570	3	S	10	**1212.4545**	**606.7309**
435.1908	218.0990	4	I	9	**1125.4225**	563.2149
602.1892	301.5982	5	S[167]	8	**1012.3384**	**506.6728**
769.1875	385.0974	6	S[167]	7	**845.3401**	423.1737
882.2716	441.6394	7	I	6	**678.3417**	339.6745
969.3036	**485.1554**	8	S	5	**565.2576**	283.1325
1056.3356	**528.6715**	9	S	4	**478.2256**	239.6164
1185.3782	593.1928	10	E	3	**391.1936**	196.1004
1272.4103	636.7088	11	S	2	**262.1510**	131.5791
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.MSS$_{167}$PLHRLS$_{167}$PTGK.S/3

0.8916

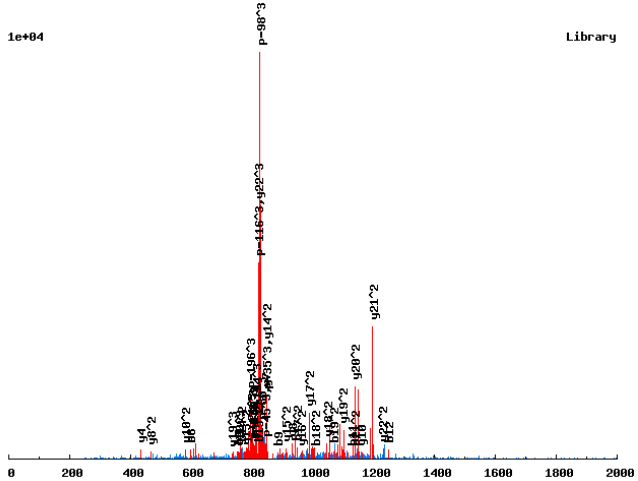


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
132.0478	66.5275	44.6874	1	M	13			
219.0798	110.0435	73.6981	2	S	12	1439.6444	**720.3258**	**480.5530**
386.0782	193.5427	129.3642	3	S[167]	11	1352.6123	**676.8098**	**451.5423**
483.1309	242.0691	161.7152	4	P	10	1185.6140	**593.3106**	**395.8762**
596.2150	298.6111	199.4098	5	L	9	1088.5612	**544.7842**	363.5253
733.2739	367.1406	245.0962	6	H	8	975.4771	**488.2422**	325.8306
889.3750	**445.1911**	297.1299	7	R	7	838.4182	**419.7128**	**280.1443**
1002.4591	**501.7332**	334.8245	8	L	6	**682.3171**	341.6622	228.1106
1169.4574	**585.2324**	**390.4907**	9	S[167]	5	569.2331	285.1202	**190.4159**
1266.5102	**633.7587**	422.8416	10	P	4	**402.2347**	201.6210	134.7498
1367.5579	**684.2826**	**456.5241**	11	T	3	305.1819	153.0946	102.3988
1424.5793	**712.7933**	**475.5313**	12	G	2	204.1343	102.5708	68.7163
			13	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NADANLGVEK$_{136}$IDS$_{167}$NDSS$_{167}$EDGSK$_{136}$K$_{136}$.S/3

0.9936

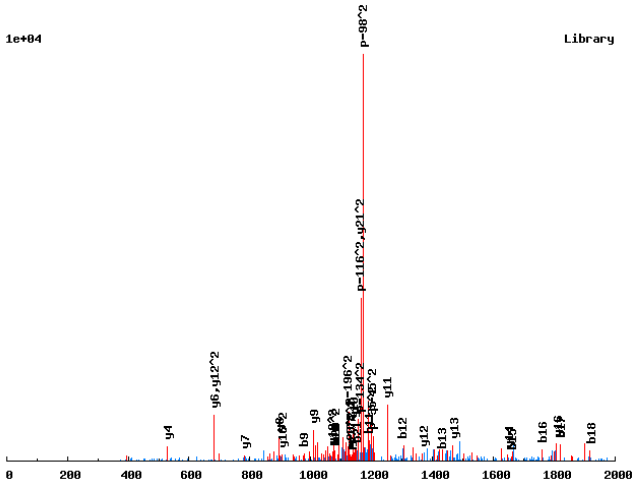


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	23			
186.0873	93.5473	62.7006	2	A	22	2463.0386	**1232.0229**	**821.6844**
301.1143	151.0608	101.0429	3	D	21	2392.0015	**1196.5044**	**798.0053**
372.1514	186.5793	124.7220	4	A	20	2276.9745	**1138.9909**	**759.6630**
486.1943	243.6008	162.7363	5	N	19	2205.9374	**1103.4723**	**735.9840**
599.2784	300.1428	200.4310	6	L	18	2091.8945	**1046.4509**	697.9697
656.2998	328.6536	219.4381	7	G	17	1978.8104	**989.9088**	660.2750
755.3682	378.1878	252.4609	8	V	16	1921.7890	**961.3981**	641.2678
884.4108	442.7091	295.4751	9	E	15	1822.7205	**911.8639**	608.2450
1020.5200	510.7636	340.8448	10	K[136]	14	1693.6780	**847.3426**	565.2308
1133.6040	567.3057	378.5395	11	I	13	1557.5688	**779.2880**	519.8611
1248.6310	624.8191	416.8818	12	D	12	1444.4847	722.7460	482.1664
1415.6293	708.3183	472.5480	13	S[167]	11	1329.4578	665.2325	443.8241
1529.6723	**765.3398**	510.5623	14	N	10	**1162.4594**	**581.7334**	388.1580
1644.6992	**822.8532**	548.9046	15	D	9	1048.4165	524.7119	350.1437
1731.7312	866.3693	577.9153	16	S	8	**933.3896**	**467.1984**	311.8014
1898.7296	**949.8684**	633.5814	17	S[167]	7	**846.3575**	423.6824	282.7907
2027.7722	**1014.3897**	676.5956	18	E	6	679.3592	340.1832	227.1246
2142.7991	**1071.9032**	714.9379	19	D	5	550.3166	275.6619	184.1104
2199.8206	1100.4139	733.9451	20	G	4	**435.2896**	218.1485	145.7681
2286.8526	**1143.9300**	762.9557	21	S	3	378.2682	189.6377	126.7609
2422.9618	1211.9845	808.3254	22	K[136]	2	291.2362	146.1217	97.7502
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.NADGLS$_{167}$GTT$_{181}$TIIENNVGVNEEK$_{136}$.A/2

0.9997

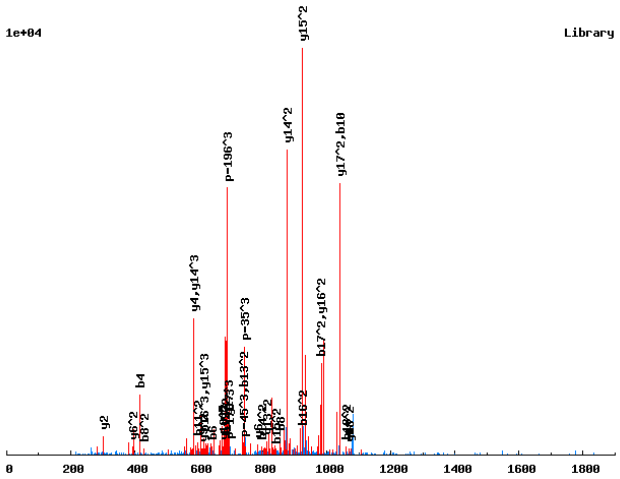


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	22		
186.0873	93.5473	2	A	21	2329.0087	**1165.0080**
301.1143	151.0608	3	D	20	2257.9716	**1129.4894**
358.1357	179.5715	4	G	19	2142.9447	**1071.9760**
471.2198	236.1135	5	L	18	2085.9232	1043.4652
638.2181	319.6127	6	S[167]	17	1972.8392	986.9232
695.2396	348.1234	7	G	16	**1805.8408**	**903.4240**
796.2873	398.6473	8	T	15	1748.8193	874.9133
977.3013	489.1543	9	T[181]	14	**1647.7716**	824.3895
1078.3490	539.6781	10	T	13	**1466.7576**	733.8825
1191.4330	596.2202	11	I	12	**1365.7100**	**683.3586**
1304.5171	652.7622	12	I	11	**1252.6259**	626.8166
1433.5597	717.2835	13	E	10	**1139.5418**	570.2746
1547.6026	774.3049	14	N	9	**1010.4992**	505.7533
1661.6455	831.3264	15	N	8	**896.4563**	448.7318
1760.7140	880.8606	16	V	7	**782.4134**	391.7103
1817.7354	909.3713	17	G	6	**683.3450**	342.1761
1916.8038	958.9056	18	V	5	626.3235	313.6654
2030.8468	1015.9270	19	N	4	**527.2551**	264.1312
2159.8893	**1080.4483**	20	E	3	413.2122	207.1097
2288.9319	**1144.9696**	21	E	2	284.1696	142.5884
		22	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.NANDPENVGERS$_{167}$DLSS$_{167}$DRK.M/3

0.7313

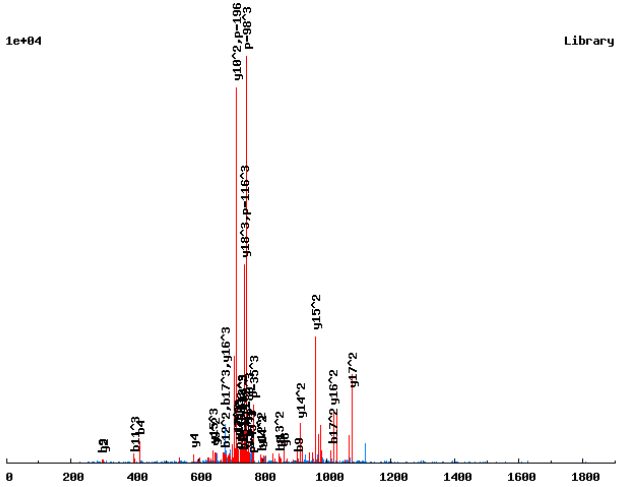


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
186.0873	93.5473	62.7006	2	A	18	2148.8594	**1074.9334**	716.9580
300.1302	150.5688	100.7149	3	N	17	2077.8223	**1039.4148**	**693.2790**
415.1572	208.0822	139.0572	4	D	16	1963.7794	**982.3933**	655.2647
512.2100	256.6086	171.4082	5	P	15	1848.7525	**924.8799**	**616.9223**
641.2525	321.1299	214.4224	6	E	14	1751.6997	**876.3535**	**584.5714**
755.2955	378.1514	252.4367	7	N	13	1622.6571	**811.8322**	541.5572
854.3639	**427.6856**	285.4595	8	V	12	1508.6142	754.8107	503.5429
911.3853	456.1963	304.4666	9	G	11	1409.5458	705.2765	470.5201
1040.4279	520.7176	347.4808	10	E	10	1352.5243	**676.7658**	451.5130
1196.5290	**598.7682**	399.5145	11	R	9	1223.4817	**612.2445**	408.4988
1363.5274	**682.2673**	455.1807	12	S[167]	8	**1067.3806**	534.1939	356.4651
1478.5543	**739.7808**	493.5230	13	D	7	900.3822	450.6948	300.7989
1591.6384	**796.3228**	531.2177	14	L	6	**785.3553**	**393.1813**	262.4566
1678.6704	**839.8389**	560.2283	15	S	5	**672.2712**	336.6393	224.7619
1845.6688	**923.3380**	**615.8945**	16	S[167]	4	**585.2392**	293.1232	195.7513
1960.6957	**980.8515**	654.2368	17	D	3	418.2409	209.6241	140.0851
2116.7968	**1058.9021**	706.2705	18	R	2	**303.2139**	152.1106	101.7428
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NANDPENVGERS$_{167}$DLS$_{167}$S$_{167}$DRK.M/3

0.6207

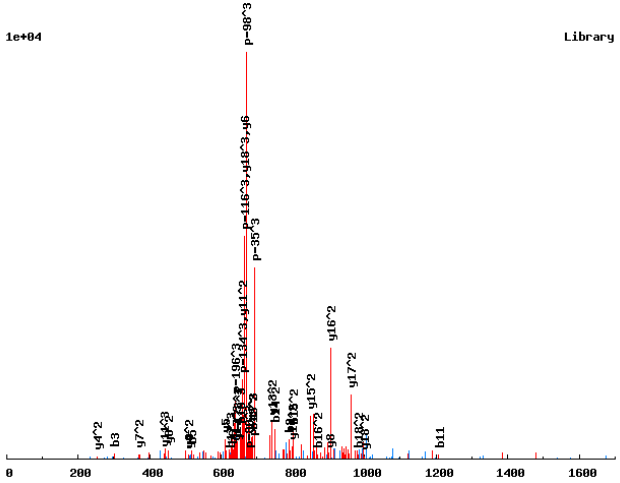


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
186.0873	93.5473	62.7006	2	A	18	2228.8258	1114.9165	**743.6134**
300.1302	150.5688	100.7149	3	N	17	2157.7887	**1079.3980**	**719.9344**
415.1572	208.0822	139.0572	4	D	16	2043.7457	**1022.3765**	**681.9201**
512.2100	256.6086	171.4082	5	P	15	1928.7188	**964.8630**	**643.5778**
641.2525	321.1299	214.4224	6	E	14	1831.6660	**916.3367**	611.2269
755.2955	378.1514	252.4367	7	N	13	1702.6234	**851.8154**	568.2127
854.3639	427.6856	285.4595	8	V	12	1588.5805	**794.7939**	530.1984
911.3853	456.1963	304.4666	9	G	11	1489.5121	**745.2597**	497.1756
1040.4279	520.7176	347.4808	10	E	10	1432.4906	**716.7490**	478.1684
1196.5290	598.7682	**399.5145**	11	R	9	1303.4480	**652.2277**	435.1542
1363.5274	**682.2673**	455.1807	12	S[167]	8	1147.3469	574.1771	383.1205
1478.5543	**739.7808**	493.5230	13	D	7	980.3486	490.6779	327.4544
1591.6384	**796.3228**	531.2177	14	L	6	**865.3216**	433.1645	289.1121
1758.6368	879.8220	586.8838	15	S[167]	5	**752.2376**	376.6224	251.4174
1925.6351	963.3212	642.5499	16	S[167]	4	**585.2392**	293.1232	195.7513
2040.6621	**1020.8347**	**680.8922**	17	D	3	418.2409	209.6241	140.0851
2196.7632	1098.8852	**732.9259**	18	R	2	**303.2139**	152.1106	101.7428
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NANDTDSAS$_{167}$HLS$_{167}$AGTHHSK.F/3

0.9439

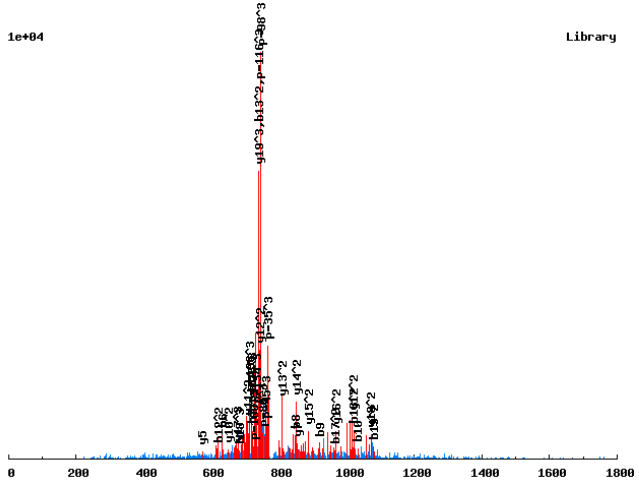


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
186.0873	93.5473	62.7006	2	A	18	1995.7593	**998.3833**	**665.9246**
300.1302	150.5688	100.7149	3	N	17	1924.7222	**962.8648**	**642.2456**
415.1572	208.0822	139.0572	4	D	16	1810.6793	**905.8433**	604.2313
516.2049	258.6061	172.7398	5	T	15	1695.6524	**848.3298**	565.8890
631.2318	316.1195	211.0821	6	D	14	1594.6047	**797.8060**	532.2064
718.2638	359.6356	240.0928	7	S	13	1479.5777	**740.2925**	493.8641
789.3009	395.1541	263.7718	8	A	12	1392.5457	696.7765	464.8534
956.2993	478.6533	319.4380	9	S[167]	11	1321.5086	**661.2579**	**441.1744**
1093.3582	547.1828	365.1243	10	H	10	1154.5102	577.7588	385.5083
1206.4423	603.7248	402.8189	11	L	9	1017.4513	**509.2293**	339.8220
1373.4406	**687.2240**	458.4851	12	S[167]	8	**904.3673**	**452.6873**	302.1273
1444.4778	722.7425	482.1641	13	A	7	737.3689	**369.1881**	246.4612
1501.4992	**751.2532**	501.1713	14	G	6	**666.3318**	333.6695	222.7821
1602.5469	**801.7771**	534.8538	15	T	5	**609.3103**	305.1588	203.7750
1739.6058	**870.3065**	580.5401	16	H	4	**508.2627**	**254.6350**	170.0924
1876.6647	938.8360	**626.2264**	17	H	3	371.2037	186.1055	124.4061
1963.6967	**982.3520**	**655.2371**	18	S	2	234.1448	117.5761	78.7198
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NANPYASMANDSY$_{243}$S$_{167}$NGNLNR.S/3

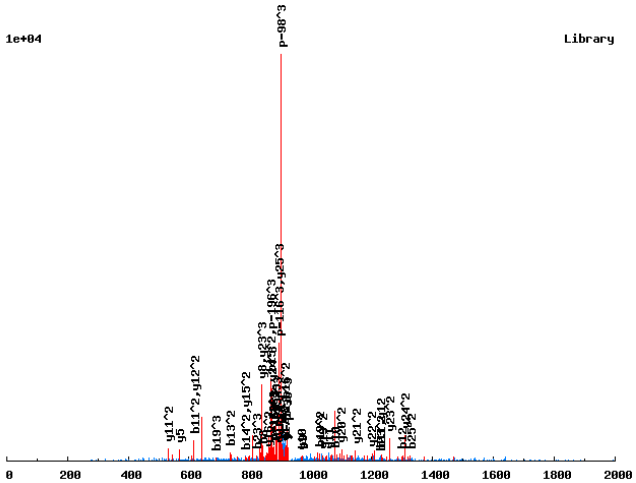
0.6616



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	20			
186.0873	93.5473	62.7006	2	A	19	2218.8261	1109.9167	**740.2802**
300.1302	150.5688	100.7149	3	N	18	2147.7889	**1074.3981**	716.6012
397.1830	199.0951	133.0659	4	P	17	2033.7460	**1017.3766**	**678.5869**
560.2463	280.6268	187.4203	5	Y	16	1936.6933	**968.8503**	646.2359
631.2835	316.1454	211.0993	6	A	15	1773.6299	**887.3186**	591.8815
718.3155	359.6614	240.1100	7	S	14	1702.5928	**851.8000**	568.2025
849.3560	425.1816	283.7902	8	M	13	1615.5608	**808.2840**	539.1918
920.3931	460.7002	307.4692	9	A	12	1484.5203	**742.7638**	495.5116
1034.4360	517.7216	345.4835	10	N	11	1413.4832	**707.2452**	471.8326
1149.4630	575.2351	383.8258	11	D	10	1299.4403	**650.2238**	433.8183
1236.4950	**618.7511**	412.8365	12	S	9	1184.4133	592.7103	395.4760
1479.5246	**740.2660**	493.8464	13	Y[243]	8	1097.3813	549.1943	366.4653
1646.5230	823.7651	549.5125	14	S[167]	7	**854.3516**	427.6795	285.4554
1760.5659	880.7866	587.5268	15	N	6	687.3533	344.1803	229.7893
1817.5874	909.2973	606.5340	16	G	5	**573.3103**	287.1588	191.7750
1931.6303	**966.3188**	644.5483	17	N	4	516.2889	258.6481	172.7678
2044.7144	**1022.8608**	**682.2430**	18	L	3	402.2459	201.6266	134.7535
2158.7573	**1079.8823**	**720.2573**	19	N	2	289.1619	145.0846	97.0588
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NAPLDSKDENFAS$_{167}$VS$_{167}$PAGPSSVHNAK.N/3

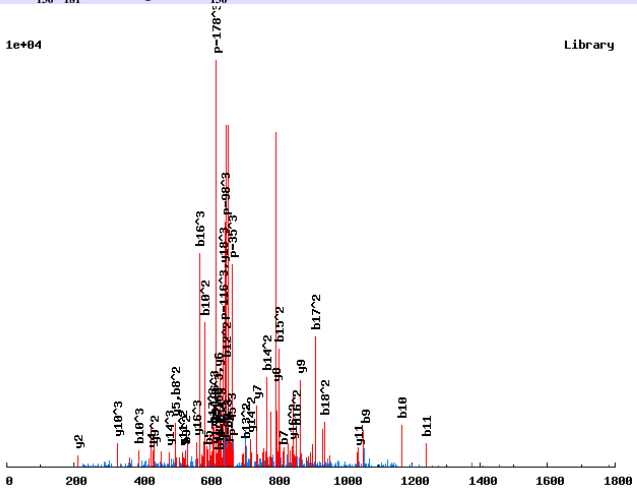


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	26			
186.0873	93.5473	62.7006	2	A	25	2685.1593	1343.0833	**895.7246**
283.1401	142.0737	95.0515	3	P	24	2614.1222	**1307.5647**	**872.0456**
396.2241	198.6157	132.7462	4	L	23	2517.0694	**1259.0383**	**839.6947**
511.2511	256.1292	171.0885	5	D	22	2403.9854	**1202.4963**	802.0000
598.2831	299.6452	200.0992	6	S	21	2288.9584	**1144.9828**	763.6577
726.3781	363.6927	242.7975	7	K	20	2201.9264	**1101.4668**	734.6470
841.4050	421.2061	281.1399	8	D	19	2073.8314	**1037.4194**	691.9487
970.4476	485.7274	324.1541	9	E	18	1958.8045	979.9059	653.6063
1084.4905	542.7489	362.1684	10	N	17	1829.7619	**915.3846**	610.5922
1231.5589	**616.2831**	411.1912	11	F	16	1715.7190	**858.3631**	572.5778
1302.5961	651.8017	434.8702	12	A	15	1568.6506	**784.8289**	523.5550
1469.5944	**735.3008**	490.5363	13	S[167]	14	1497.6134	749.3104	499.8760
1568.6628	**784.8351**	523.5591	14	V	13	1330.6151	665.8112	444.2099
1735.6612	**868.3342**	579.2252	15	S[167]	12	**1231.5467**	**616.2770**	411.1871
1832.7139	**916.8606**	611.5762	16	P	11	**1064.5483**	**532.7778**	355.5210
1903.7511	952.3792	635.2552	17	A	10	**967.4956**	484.2514	323.1700
1960.7725	980.8899	654.2624	18	G	9	**896.4584**	448.7329	299.4910
2057.8253	**1029.4163**	**686.6133**	19	P	8	**839.4370**	420.2221	280.4838
2144.8573	1072.9323	715.6240	20	S	7	742.3842	371.6958	248.1329
2231.8893	1116.4483	744.6346	21	S	6	655.3522	328.1797	219.1223
2330.9577	1165.9825	777.6574	22	V	5	**568.3202**	284.6637	190.1116
2468.0167	**1234.5120**	**823.3437**	23	H	4	469.2517	235.1295	157.0888
2582.0596	1291.5334	861.3580	24	N	3	332.1928	166.6001	111.4025
2653.0967	**1327.0520**	**885.0371**	25	A	2	218.1499	109.5786	73.3882
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NAS$_{167}$IESK$_{136}$T$_{181}$GLAGNQATNGK$_{136}$.T/3

0.9927

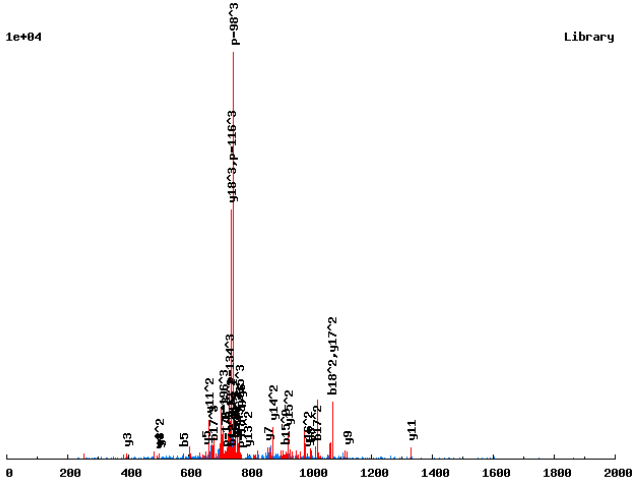


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
186.0873	93.5473	62.7006	2	A	18	1922.8591	961.9332	**641.6246**
353.0857	177.0465	118.3667	3	S[167]	17	1851.8220	926.4146	**617.9455**
466.1697	233.5885	156.0614	4	I	16	1684.8236	**842.9155**	**562.2794**
595.2123	298.1098	199.0756	5	E	15	1571.7396	786.3734	524.5847
682.2444	341.6258	228.0863	6	S	14	1442.6970	**721.8521**	**481.5705**
818.3535	409.6804	273.4560	7	K[136]	13	1355.6649	678.3361	452.5598
999.3675	**500.1874**	333.7940	8	T[181]	12	1219.5558	610.2815	407.1901
1056.3890	**528.6981**	352.8012	9	G	11	**1038.5418**	**519.7745**	346.8521
1169.4731	**585.2402**	**390.4959**	10	L	10	981.5203	491.2638	**327.8450**
1240.5102	**620.7587**	414.1749	11	A	9	**868.4363**	**434.7218**	290.1503
1297.5316	**649.2695**	433.1821	12	G	8	**797.3991**	399.2032	266.4712
1411.5746	**706.2909**	471.1964	13	N	7	**740.3777**	370.6925	247.4641
1539.6331	**770.3202**	513.8826	14	Q	6	**626.3348**	313.6710	209.4498
1610.6702	**805.8388**	537.5616	15	A	5	**498.2762**	249.6417	166.7636
1711.7179	**856.3626**	**571.2442**	16	T	4	**427.2391**	214.1232	143.0845
1825.7609	**913.3841**	**609.2585**	17	N	3	326.1914	163.5993	109.4020
1882.7823	**941.8948**	**628.2656**	18	G	2	**212.1485**	106.5779	71.3877
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.NAS$_{167}$QTS$_{167}$LHPDNFSNC$_{160}$TPIR$_{166}$.A/3

0.8921

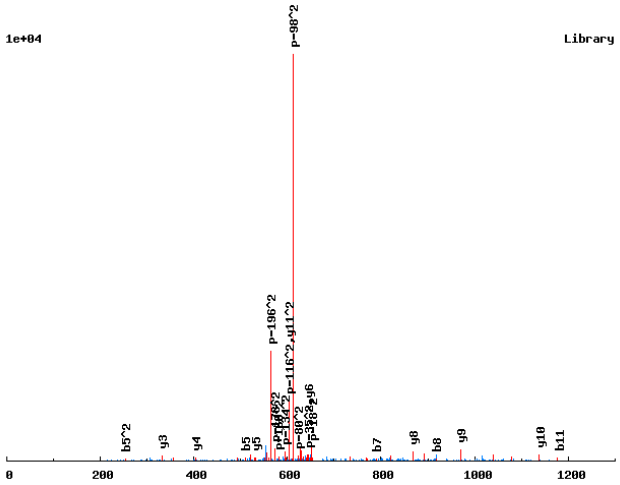


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
186.0873	93.5473	62.7006	2	A	18	2214.8914	1107.9494	**738.9687**
353.0857	177.0465	118.3667	3	S[167]	17	2143.8543	**1072.4308**	715.2896
481.1443	241.0758	161.0529	4	Q	16	1976.8560	**988.9316**	659.6235
582.1919	291.5996	194.7355	5	T	15	1848.7974	**924.9023**	616.9373
749.1903	375.0988	250.4016	6	S[167]	14	1747.7497	**874.3785**	583.2548
862.2744	431.6408	288.0963	7	L	13	1580.7513	**790.8793**	527.5886
999.3333	500.1703	333.7826	8	H	12	1467.6673	**734.3373**	489.8939
1096.3860	548.6967	366.1335	9	P	11	**1330.6084**	**665.8078**	444.2076
1211.4130	606.2101	404.4758	10	D	10	1233.5556	617.2814	411.8567
1325.4559	663.2316	442.4902	11	N	9	**1118.5287**	559.7680	373.5144
1472.5243	**736.7658**	491.5130	12	F	8	1004.4857	**502.7465**	335.5001
1559.5563	780.2818	520.5236	13	S	7	**857.4173**	429.2123	286.4773
1673.5993	837.3033	558.5379	14	N	6	**770.3853**	385.6963	257.4666
1833.6299	**917.3186**	611.8815	15	C[160]	5	**656.3424**	328.6748	219.4523
1934.6776	967.8424	645.5641	16	T	4	**496.3117**	248.6595	166.1088
2031.7304	**1016.3688**	**677.9150**	17	P	3	**395.2640**	198.1357	132.4262
2144.8144	**1072.9109**	715.6097	18	I	2	298.2113	149.6093	100.0753
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.NAS$_{167}$TGS$_{167}$LQASVK.S/2

0.9857

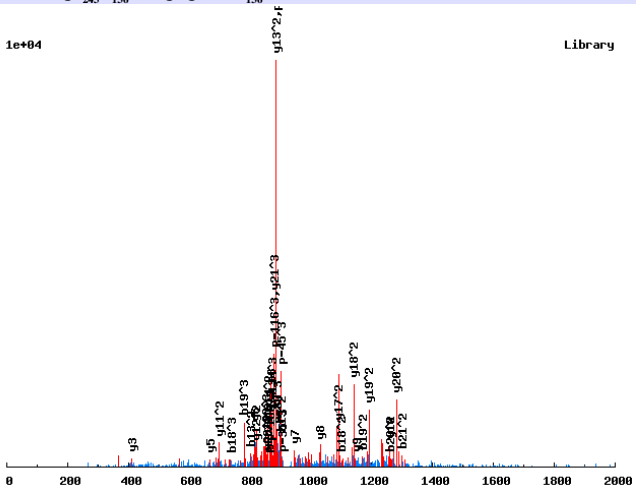


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	12		
186.0873	93.5473	2	A	11	1208.4960	**604.7516**
353.0857	177.0465	3	S[167]	10	**1137.4589**	569.2331
454.1334	227.5703	4	T	9	**970.4605**	485.7339
511.1548	**256.0811**	5	G	8	**869.4128**	435.2100
678.1532	339.5802	6	S[167]	7	812.3914	406.6993
791.2372	396.1223	7	L	6	**645.3930**	323.2001
919.2958	460.1516	8	Q	5	**532.3089**	266.6581
990.3329	495.6701	9	A	4	**404.2504**	202.6288
1077.3650	539.1861	10	S	3	**333.2132**	167.1103
1176.4334	588.7203	11	V	2	246.1812	123.5942
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NAT$_{181}$VDSSINQY$_{243}$K$_{136}$NDSQFQEWAK$_{136}$N/3

0.7405

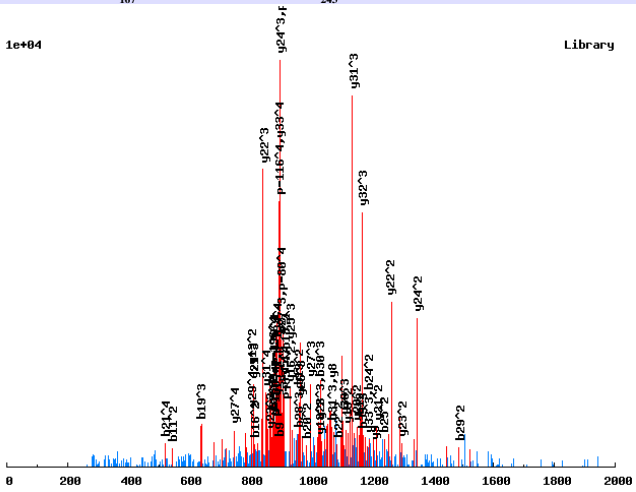


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	22			
186.0873	93.5473	62.7006	2	A	21	2635.1084	1318.0578	**879.0410**
367.1013	184.0543	123.0386	3	T[181]	20	2564.0713	**1282.5393**	**855.3620**
466.1697	233.5885	156.0614	4	V	19	2383.0573	**1192.0323**	795.0239
581.1967	291.1020	194.4037	5	D	18	2283.9889	**1142.4981**	762.0011
668.2287	334.6180	223.4144	6	S	17	2168.9619	**1084.9846**	723.6588
755.2607	378.1340	252.4251	7	S	16	2081.9299	1041.4686	694.6482
868.3448	434.6760	290.1198	8	I	15	1994.8979	997.9526	665.6375
982.3877	491.6975	328.1341	9	N	14	1881.8138	941.4105	627.9428
1110.4463	555.7268	370.8203	10	Q	13	1767.7709	**884.3891**	589.9285
1353.4760	677.2416	451.8302	11	Y[243]	12	1639.7123	**820.3598**	547.2423
1489.5851	745.2962	497.1999	12	K[136]	11	1396.6826	**698.8450**	466.2324
1603.6281	**802.3177**	535.2142	13	N	10	**1260.5735**	630.7904	420.8627
1718.6550	**859.8311**	573.5565	14	D	9	**1146.5305**	573.7689	382.8484
1805.6870	**903.3472**	602.5672	15	S	8	**1031.5036**	516.2554	344.5061
1933.7456	967.3764	645.2534	16	Q	7	**944.4716**	472.7394	315.4954
2080.8140	1040.9107	694.2762	17	F	6	**816.4130**	408.7101	272.8092
2208.8726	**1104.9399**	**736.9624**	18	Q	5	**669.3446**	335.1759	223.7864
2337.9152	**1169.4612**	**779.9766**	19	E	4	541.2860	271.1466	181.1002
2523.9945	**1262.5009**	842.0030	20	W	3	**412.2434**	206.6253	138.0860
2595.0316	**1298.0194**	865.6821	21	A	2	226.1641	113.5857	76.0596
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.NAVSTKPTPPPAPEAS$_{167}$AESGLSSKVHSYTDLAY$_{243}$R.M/4

0.9548

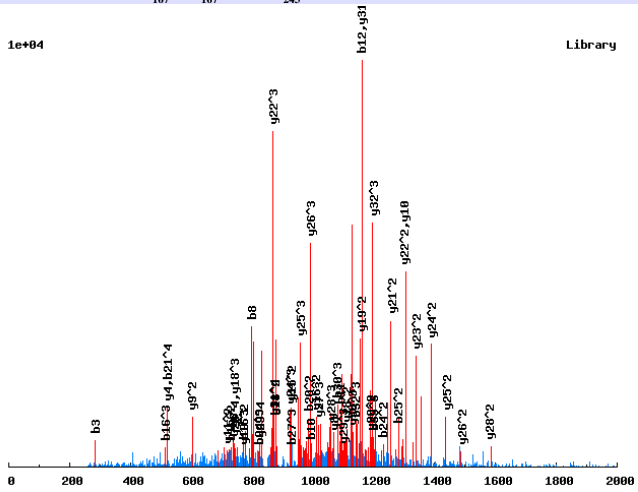


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
115.0502	58.0287	39.0216	29.5180	1	N	34				
186.0873	93.5473	62.7006	47.2773	2	A	33	3574.6502	1787.8287	**1192.2216**	**894.4180**
285.1557	143.0815	95.7234	72.0444	3	V	32	3503.6131	1752.3102	**1168.5425**	**876.6587**
372.1878	186.5975	124.7341	93.8024	4	S	31	3404.5447	1702.7760	**1135.5197**	**851.8916**
473.2354	237.1214	158.4167	119.0643	5	T	30	3317.5126	1659.2600	**1106.5091**	830.1336
601.3304	301.1688	201.1150	151.0881	6	K	29	3216.4650	1608.7361	1072.8265	**804.8717**
698.3832	349.6952	233.4659	175.3513	7	P	28	3088.3700	1544.6886	**1030.1282**	772.8480
799.4308	400.2191	267.1485	200.6132	8	T	27	2991.3172	1496.1623	**997.7773**	**748.5848**
896.4836	448.7454	299.4994	224.8764	9	P	26	2890.2696	1445.6384	**964.0947**	723.3229
993.5364	497.2718	331.8503	249.1396	10	P	25	2793.2168	1397.1120	**931.7438**	699.0597
1090.5891	**545.7982**	364.2012	273.4027	11	P	24	2696.1640	**1348.5857**	**899.3929**	674.7965
1161.6262	581.3168	387.8803	291.1620	12	A	23	2599.1113	**1300.0593**	**867.0419**	650.5333
1258.6790	629.8431	420.2312	315.4252	13	P	22	2528.0742	**1264.5407**	**843.3629**	632.7740
1387.7216	694.3644	463.2454	347.6859	14	E	21	2431.0214	**1216.0143**	**811.0120**	608.5108
1458.7587	729.8830	486.9244	365.4451	15	A	20	2301.9788	**1151.4931**	767.9978	576.2502
1625.7571	**813.3822**	542.5905	407.1947	16	S[167]	19	2230.9417	**1115.9745**	744.3188	558.4909
1696.7942	848.9007	566.2696	424.9540	17	A	18	2063.9434	**1032.4753**	688.6526	516.7413
1825.8368	**913.4220**	609.2838	457.2146	18	E	17	1992.9062	996.9568	664.9736	498.9820
1912.8688	**956.9380**	**638.2944**	478.9727	19	S	16	1863.8637	**932.4355**	621.9594	466.7214
1969.8902	**985.4488**	657.3016	493.2280	20	G	15	1776.8316	**888.9195**	592.9487	444.9634
2082.9743	1041.9908	694.9963	**521.4990**	21	L	14	1719.8102	860.4087	573.9416	430.7080
2170.0063	**1085.5068**	724.0070	543.2570	22	S	13	1606.7261	**803.8667**	536.2469	402.4370
2257.0384	1129.0228	753.0176	565.0151	23	S	12	1519.6941	760.3507	507.2362	380.6790
2385.1333	**1193.0703**	795.7160	597.0388	24	K	11	1432.6620	716.8347	478.2255	358.9210
2484.2017	**1242.6045**	828.7388	621.8059	25	V	10	1304.5671	652.7872	435.5272	326.8972
2621.2606	1311.1340	**874.4251**	656.0706	26	H	9	**1205.4987**	603.2530	402.5044	302.1301
2708.2927	1354.6500	**903.4357**	677.8286	27	S	8	**1068.4398**	534.7235	356.8181	267.8654
2871.3560	1436.1816	**957.7902**	718.5945	28	Y	7	981.4077	491.2075	327.8074	246.1074
2972.4037	**1486.7055**	991.4727	743.8564	29	T	6	818.3444	409.6758	273.4530	205.3416
3087.4306	1544.2190	**1029.8151**	772.6131	30	D	5	717.2967	359.1520	239.7704	180.0796
3200.5147	1600.7610	**1067.5097**	800.8841	31	L	4	602.2698	301.6385	201.4281	151.3229
3271.5518	1636.2795	1091.1888	818.6434	32	A	3	489.1857	245.0965	163.7334	123.0519
3514.5815	1757.7944	**1172.1987**	879.4008	33	Y[243]	2	418.1486	209.5779	140.0544	105.2926
				34	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

K.NAVSTKPTPPPAPEASAES$_{167}$GLS$_{167}$SKVHSY$_{243}$TDLAYR.M/4

0.9667

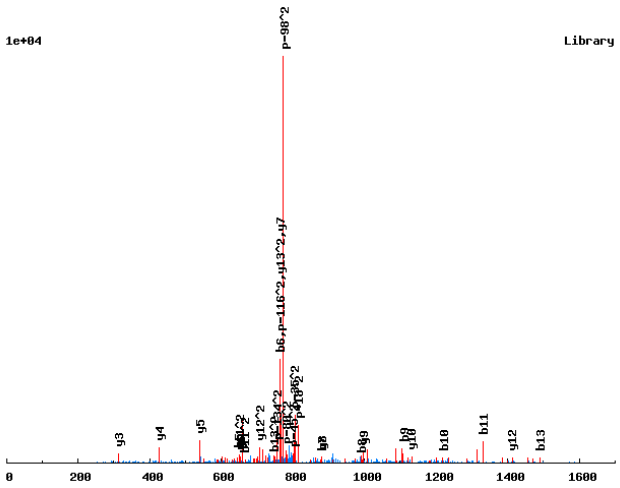


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
115.0502	58.0287	39.0216	29.5180	1	N	34				
186.0873	93.5473	62.7006	47.2773	2	A	33	3654.6165	1827.8119	1218.8770	914.4096
285.1557	143.0815	95.7234	72.0444	3	V	32	3583.5794	1792.2933	**1195.1980**	896.6503
372.1878	186.5975	124.7341	93.8024	4	S	31	3484.5110	1742.7591	**1162.1752**	**871.8832**
473.2354	237.1214	158.4167	119.0643	5	T	30	3397.4790	1699.2431	**1133.1645**	850.1252
601.3304	301.1688	201.1150	151.0881	6	K	29	3296.4313	1648.7193	**1099.4820**	**824.8633**
698.3832	349.6952	233.4659	175.3513	7	P	28	3168.3363	**1584.6718**	**1056.7836**	792.8395
799.4308	400.2191	267.1485	200.6132	8	T	27	3071.2836	1536.1454	**1024.4327**	768.5764
896.4836	448.7454	299.4994	224.8764	9	P	26	2970.2359	**1485.6216**	**990.7502**	**743.3144**
993.5364	497.2718	331.8503	249.1396	10	P	25	2873.1831	**1437.0952**	**958.3992**	719.0512
1090.5891	545.7982	364.2012	273.4027	11	P	24	2776.1304	**1388.5688**	**926.0483**	694.7881
1161.6262	581.3168	387.8803	291.1620	12	A	23	2679.0776	**1340.0424**	893.6974	670.5249
1258.6790	629.8431	420.2312	315.4252	13	P	22	2608.0405	**1304.5239**	**870.0184**	652.7656
1387.7216	694.3644	463.2454	347.6859	14	E	21	2510.9877	**1255.9975**	837.6674	628.5024
1458.7587	**729.8830**	486.9244	365.4451	15	A	20	2381.9452	**1191.4762**	794.6532	596.2417
1545.7907	**773.3990**	**515.9351**	387.2031	16	S	19	2310.9080	**1155.9577**	**770.9742**	578.4825
1616.8278	808.9176	539.6141	404.9624	17	A	18	2223.8760	**1112.4416**	**741.9635**	556.7245
1745.8704	**873.4389**	582.6283	437.2231	18	E	17	2152.8389	1076.9231	718.2845	538.9652
1912.8688	956.9380	638.2944	478.9727	19	S[167]	16	2023.7963	**1012.4018**	675.2703	506.7045
1969.8902	**985.4488**	657.3016	493.2280	20	G	15	1856.7980	**928.9026**	619.6042	464.9549
2082.9743	1041.9908	694.9963	**521.4990**	21	L	14	1799.7765	900.3919	600.5970	450.6996
2249.9727	1125.4900	750.6624	563.2486	22	S[167]	13	1686.6924	843.8499	562.9023	422.4286
2337.0047	1169.0060	779.6731	585.0066	23	S	12	1519.6941	760.3507	507.2362	380.6790
2465.0997	**1233.0535**	**822.3714**	617.0304	24	K	11	1432.6620	**716.8347**	478.2255	358.9210
2564.1681	**1282.5877**	855.3942	641.7975	25	V	10	**1304.5671**	652.7872	435.5272	326.8972
2701.2270	1351.1171	901.0805	676.0622	26	H	9	1205.4987	**603.2530**	402.5044	302.1301
2788.2590	1394.6331	**930.0912**	697.8202	27	S	8	**1068.4398**	534.7235	356.8181	267.8654
3031.2887	1516.1480	1011.1011	758.5776	28	Y[243]	7	981.4077	491.2075	327.8074	246.1074
3132.3363	1566.6718	1044.7836	783.8395	29	T	6	**738.3781**	369.6927	246.7975	185.3500
3247.3633	1624.1853	**1083.1259**	812.5963	30	D	5	637.3304	319.1688	213.1150	160.0881
3360.4473	1680.7273	1120.8206	840.8673	31	L	4	**522.3035**	261.6554	174.7727	131.3313
3431.4845	1716.2459	**1144.4997**	858.6266	32	A	3	409.2194	205.1133	137.0780	103.0603
3594.5478	1797.7775	**1198.8541**	899.3924	33	Y	2	338.1823	169.5948	113.3989	85.3010
				34	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

K.NDDS$_{167}$HDDLILLSAK$_{136}$.K/2

0.9995

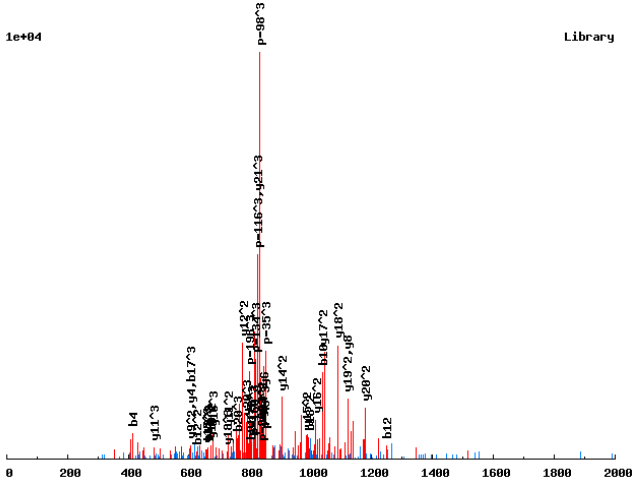


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	14		
230.0771	115.5422	2	D	13	1529.6974	**765.3523**
345.1041	173.0557	3	D	12	**1414.6705**	**707.8389**
512.1025	256.5549	4	S[167]	11	1299.6435	**650.3254**
649.1614	325.0843	5	H	10	**1132.6452**	566.8262
764.1883	382.5978	6	D	9	**995.5863**	498.2968
879.2152	440.1113	7	D	8	**880.5593**	440.7833
992.2993	496.6533	8	L	7	**765.5324**	383.2698
1105.3834	553.1953	9	I	6	**652.4483**	326.7278
1218.4674	609.7374	10	L	5	**539.3643**	270.1858
1331.5515	**666.2794**	11	L	4	**426.2802**	213.6437
1418.5835	709.7954	12	S	3	**313.1961**	157.1017
1489.6206	**745.3140**	13	A	2	226.1641	113.5857
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.NDNASGGYMQPDQSS$_{167}$NAS$_{167}$M$_{147}$HK$_{136}$R$_{166}$.D/3

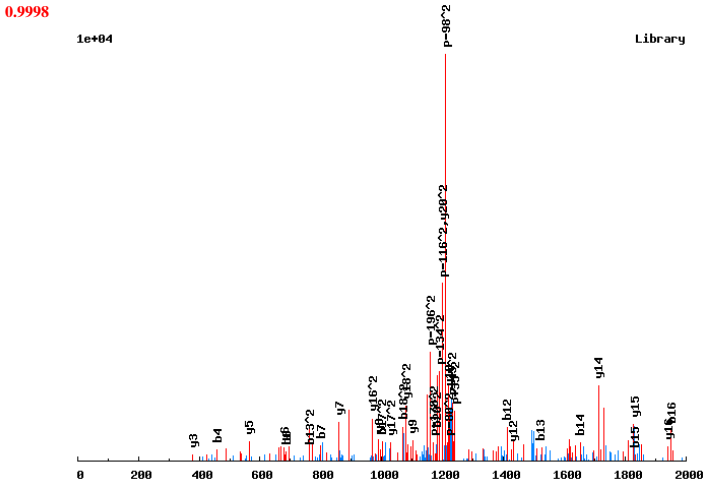
0.9586



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	22			
230.0771	115.5422	77.3639	2	D	21	2474.9221	1237.9647	**825.6456**
344.1201	172.5637	115.3782	3	N	20	2359.8952	**1180.4512**	**787.3032**
415.1572	208.0822	139.0572	4	A	19	2245.8522	**1123.4298**	749.2889
502.1892	251.5982	168.0679	5	S	18	2174.8151	**1087.9112**	**725.6099**
559.2107	280.1090	187.0751	6	G	17	2087.7831	**1044.3952**	696.5992
616.2321	308.6197	206.0822	7	G	16	2030.7616	**1015.8845**	**677.5921**
779.2955	390.1514	260.4367	8	Y	15	1973.7402	**987.3737**	**658.5849**
910.3360	455.6716	304.1168	9	M	14	1810.6768	**905.8421**	604.2305
1038.3945	519.7009	346.8030	10	Q	13	1679.6363	**840.3218**	560.5503
1135.4473	568.2273	379.1540	11	P	12	1551.5778	**776.2925**	517.8641
1250.4742	**625.7408**	417.4963	12	D	11	1454.5250	**727.7661**	**485.5132**
1378.5328	689.7701	460.1825	13	Q	10	1339.4981	**670.2527**	447.1709
1465.5649	733.2861	489.1931	14	S	9	1211.4395	**606.2234**	404.4847
1632.5632	816.7852	544.8593	15	S[167]	8	**1124.4074**	562.7074	375.4740
1746.6061	873.8067	582.8736	16	N	7	957.4091	479.2082	319.8079
1817.6433	909.3253	**606.5526**	17	A	6	**843.3662**	422.1867	281.7936
1984.6416	**992.8244**	**662.2187**	18	S[167]	5	772.3290	386.6682	258.1145
2131.6770	1066.3421	711.2305	19	M[147]	4	**605.3307**	303.1690	202.4484
2268.7359	1134.8716	**756.9168**	20	H	3	458.2953	229.6513	153.4366
2404.8451	1202.9262	**802.2865**	21	K[136]	2	321.2364	161.1218	107.7503
			22	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.NEDVNIDS$_{167}$NQSDIET$_{181}$DGETEK.S/2

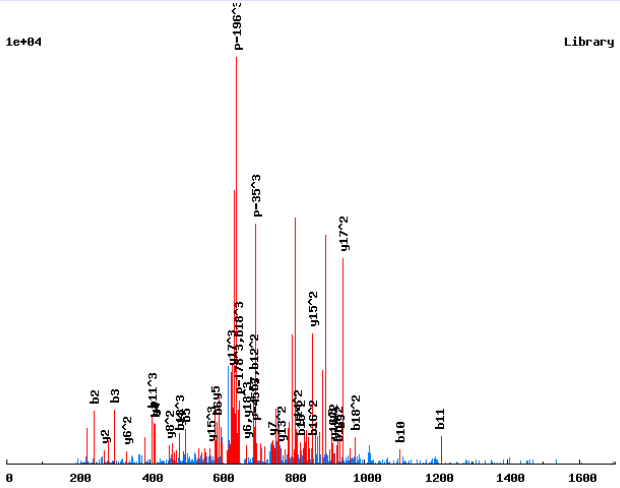


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	21		
244.0928	122.5500	2	E	20	2397.8854	**1199.4464**
359.1197	180.0635	3	D	19	2268.8428	1134.9251
458.1881	229.5977	4	V	18	2153.8159	**1077.4116**
572.2311	286.6192	5	N	17	2054.7475	**1027.8774**
685.3151	343.1612	6	I	16	**1940.7046**	**970.8559**
800.3421	400.6747	7	D	15	**1827.6205**	914.3139
967.3404	484.1739	8	S[167]	14	**1712.5936**	856.8004
1081.3834	541.1953	9	N	13	1545.5952	773.3012
1209.4420	605.2246	10	Q	12	**1431.5523**	716.2798
1296.4740	648.7406	11	S	11	1303.4937	652.2505
1411.5009	706.2541	12	D	10	**1216.4617**	608.7345
1524.5850	**762.7961**	13	I	9	**1101.4347**	551.2210
1653.6276	827.3174	14	E	8	**988.3507**	494.6790
1834.6416	917.8244	15	T[181]	7	**859.3081**	430.1577
1949.6685	975.3379	16	D	6	**678.2941**	339.6507
2006.6900	**1003.8486**	17	G	5	**563.2671**	282.1372
2135.7326	**1068.3699**	18	E	4	506.2457	253.6265
2236.7803	1118.8938	19	T	3	**377.2031**	189.1052
2365.8228	**1183.4151**	20	E	2	276.1554	138.5813
		21	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NEGLSSTSRS$_{167}$DS$_{167}$ASTAHVR.T/3

0.9234

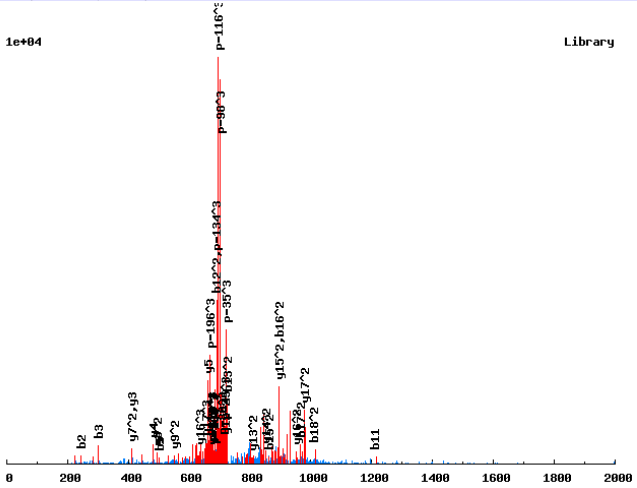


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
244.0928	122.5500	82.0358	2	E	18	2007.8169	1004.4121	**669.9438**
301.1143	151.0608	101.0429	3	G	17	1878.7743	**939.8908**	**626.9296**
414.1983	207.6028	138.7376	4	L	16	1821.7528	**911.3800**	607.9225
501.2303	251.1188	167.7483	5	S	15	1708.6687	**854.8380**	**570.2278**
588.2624	294.6348	196.7590	6	S	14	1621.6367	**811.3220**	541.2171
689.3101	345.1587	230.4415	7	T	13	1534.6047	**767.8060**	512.2064
776.3421	388.6747	259.4522	8	S	12	1433.5570	717.2821	478.5239
932.4432	466.7252	311.4859	9	R	11	1346.5250	673.7661	449.5132
1099.4416	550.2244	367.1520	10	S[167]	10	1190.4239	595.7156	397.4795
1214.4685	607.7379	**405.4944**	11	D	9	1023.4255	512.2164	341.8134
1381.4669	**691.2371**	461.1605	12	S[167]	8	**908.3986**	**454.7029**	303.4710
1452.5040	726.7556	**484.8395**	13	A	7	**741.4002**	371.2037	247.8049
1539.5360	770.2716	513.8502	14	S	6	**670.3631**	**335.6852**	224.1259
1640.5837	**820.7955**	547.5327	15	T	5	**583.3311**	292.1692	195.1152
1711.6208	**856.3140**	571.2118	16	A	4	**482.2834**	241.6453	161.4326
1848.6797	**924.8435**	616.8981	17	H	3	**411.2463**	206.1268	137.7536
1947.7481	**974.3777**	**649.9209**	18	V	2	**274.1874**	137.5973	92.0673
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NEGLSST$_{181}$SRSDS$_{167}$AST$_{181}$AHVR.T/3

0.6376

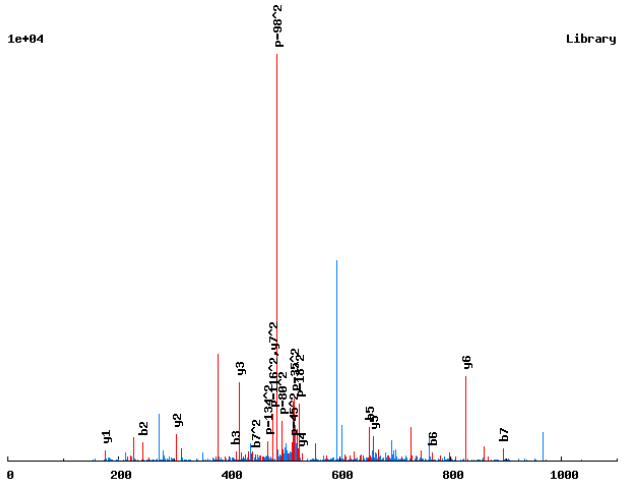


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
244.0928	122.5500	82.0358	2	E	18	2087.7832	1044.3952	**696.5992**
301.1143	151.0608	101.0429	3	G	17	1958.7406	**979.8739**	**653.5851**
414.1983	207.6028	138.7376	4	L	16	1901.7191	**951.3632**	**634.5779**
501.2303	251.1188	167.7483	5	S	15	1788.6351	**894.8212**	596.8832
588.2624	294.6348	196.7590	6	S	14	1701.6030	**851.3052**	567.8725
769.2764	385.1418	257.0970	7	T[181]	13	1614.5710	**807.7891**	538.8619
856.3084	428.6579	286.1077	8	S	12	1433.5570	**717.2821**	478.5239
1012.4095	506.7084	338.1414	9	R	11	1346.5250	**673.7661**	449.5132
1099.4416	550.2244	367.1520	10	S	10	1190.4239	595.7156	397.4795
1214.4685	607.7379	405.4944	11	D	9	1103.3918	**552.1996**	368.4688
1381.4669	**691.2371**	461.1605	12	S[167]	8	988.3649	**494.6861**	330.1265
1452.5040	**726.7556**	484.8395	13	A	7	821.3665	**411.1869**	274.4604
1539.5360	770.2716	513.8502	14	S	6	750.3294	375.6684	250.7813
1720.5500	**860.7786**	574.1882	15	T[181]	5	**663.2974**	332.1523	221.7707
1791.5871	**896.2972**	597.8672	16	A	4	**482.2834**	241.6453	161.4326
1928.6460	**964.8267**	643.5535	17	H	3	**411.2463**	206.1268	137.7536
2027.7144	**1014.3609**	**676.5763**	18	V	2	274.1874	137.5973	92.0673
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NES$_{167}$EILER.Q/2

0.9728

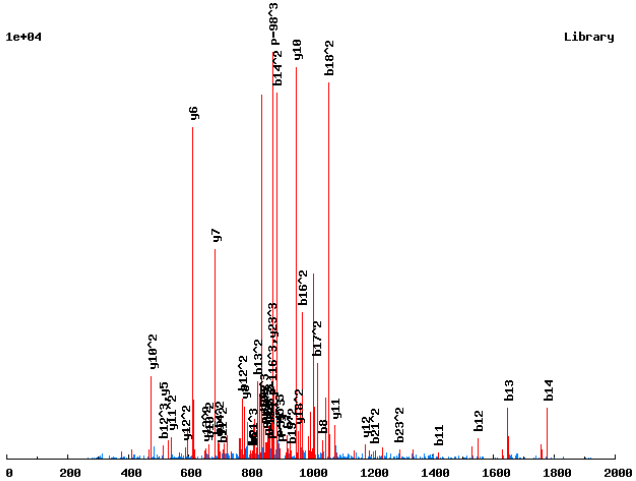


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	8		
244.0928	122.5500	2	E	7	955.4132	**478.2102**
411.0912	206.0492	3	S[167]	6	**826.3706**	413.6889
540.1338	270.5705	4	E	5	**659.3723**	330.1898
653.2178	327.1125	5	I	4	**530.3297**	265.6685
766.3019	383.6546	6	L	3	**417.2456**	209.1264
895.3445	**448.1759**	7	E	2	**304.1615**	152.5844
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.NES$_{167}$FHDNLS$_{167}$ESQVQPAVAPPNTGK.G/3

0.9995

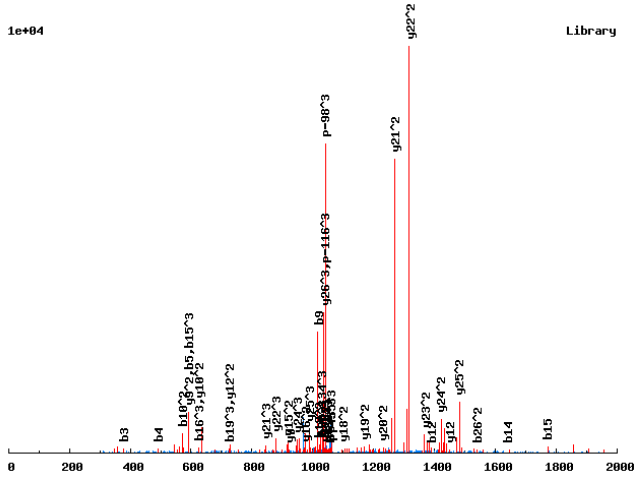


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	24			
244.0928	122.5500	82.0358	2	E	23	2612.1065	1306.5569	**871.3737**
411.0912	206.0492	137.7019	3	S[167]	22	2483.0639	1242.0356	828.3595
558.1596	279.5834	186.7247	4	F	21	2316.0656	1158.5364	772.6934
695.2185	348.1129	232.4110	5	H	20	2168.9972	1085.0022	723.6706
810.2454	405.6264	270.7533	6	D	19	2031.9383	1016.4728	677.9843
924.2884	462.6478	308.7676	7	N	18	1916.9113	**958.9593**	639.6420
1037.3724	519.1898	346.4623	8	L	17	1802.8684	901.9378	601.6277
1204.3708	602.6890	402.1284	9	S[167]	16	1689.7843	**845.3958**	563.9330
1333.4134	**667.2103**	445.1426	10	E	15	1522.7860	761.8966	508.2668
1420.4454	**710.7263**	474.1533	11	S	14	1393.7434	**697.3753**	465.2526
1548.5040	**774.7556**	**516.8395**	12	Q	13	1306.7113	**653.8593**	436.2420
1647.5724	**824.2898**	549.8623	13	V	12	**1178.6528**	**589.8300**	393.5558
1775.6310	**888.3191**	592.5485	14	Q	11	**1079.5844**	**540.2958**	360.5330
1872.6837	**936.8455**	624.8994	15	P	10	**951.5258**	**476.2665**	317.8468
1943.7208	**972.3641**	648.5785	16	A	9	**854.4730**	427.7402	285.4959
2042.7892	**1021.8983**	681.6013	17	V	8	**783.4359**	392.2216	261.8168
2113.8264	**1057.4168**	705.2803	18	A	7	**684.3675**	342.6874	228.7940
2210.8791	1105.9432	737.6312	19	P	6	**613.3304**	307.1688	205.1150
2307.9319	1154.4696	769.9821	20	P	5	**516.2776**	258.6425	172.7641
2421.9748	**1211.4910**	**807.9965**	21	N	4	419.2249	210.1161	140.4131
2523.0225	1262.0149	841.6790	22	T	3	305.1819	153.0946	102.3988
2580.0439	**1290.5256**	**860.6862**	23	G	2	204.1343	102.5708	68.7163
			24	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NFDNVPAEEEEIKEETPAEKDHEDVT$_{181}$K.F/3

0.9979

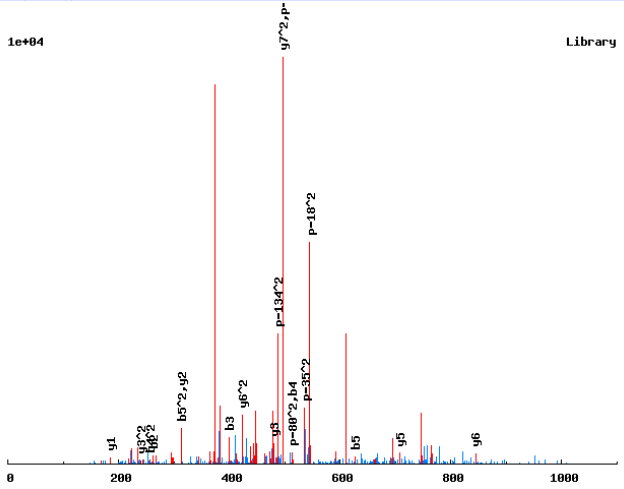


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	27			
262.1186	131.5629	88.0444	2	F	26	3108.3568	1554.6821	**1036.7905**
377.1456	189.0764	126.3867	3	D	25	2961.2884	**1481.1478**	**987.7677**
491.1885	246.0979	164.4010	4	N	24	2846.2615	**1423.6344**	**949.4253**
590.2569	295.6321	197.4238	5	V	23	2732.2185	**1366.6129**	911.4110
687.3097	344.1585	229.7747	6	P	22	2633.1501	**1317.0787**	**878.3882**
758.3468	379.6770	253.4538	7	A	21	2536.0974	**1268.5523**	**846.0373**
887.3894	444.1983	296.4680	8	E	20	2465.0603	**1233.0338**	822.3583
1016.4320	508.7196	339.4822	9	E	19	2336.0177	**1168.5125**	779.3441
1145.4745	**573.2409**	382.4964	10	E	18	2206.9751	**1103.9912**	736.3299
1274.5171	637.7622	425.5106	11	E	17	2077.9325	**1039.4699**	693.3157
1387.6012	694.3042	463.2053	12	I	16	1948.8899	**974.9486**	650.3015
1515.6961	758.3517	505.9036	13	K	15	1835.8058	**918.4066**	612.6068
1644.7387	822.8730	548.9178	14	E	14	1707.7109	854.3591	569.9085
1773.7813	887.3943	**591.9320**	15	E	13	1578.6683	789.8378	526.8943
1874.8290	937.9181	**625.6145**	16	T	12	**1449.6257**	**725.3165**	483.8801
1971.8818	986.4445	657.9654	17	P	11	1348.5780	674.7927	450.1975
2042.9189	**1021.9631**	681.6445	18	A	10	1251.5253	**626.2663**	417.8466
2171.9615	1086.4844	**724.6587**	19	E	9	1180.4882	**590.7477**	394.1676
2300.0564	1150.5319	767.3570	20	K	8	**1051.4456**	526.2264	351.1534
2415.0834	1208.0453	805.6993	21	D	7	**923.3506**	462.1789	308.4551
2552.1423	1276.5748	851.3856	22	H	6	808.3237	404.6655	270.1127
2681.1849	1341.0961	894.3998	23	E	5	671.2648	336.1360	224.4264
2796.2118	1398.6095	932.7421	24	D	4	542.2222	271.6147	181.4122
2895.2802	1448.1437	965.7649	25	V	3	427.1952	214.1013	143.0699
3076.2942	**1538.6508**	**1026.1029**	26	T[181]	2	328.1268	164.5670	110.0471
			27	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NFHNLS$_{167}$QR$_{166}$.S/2

0.8414

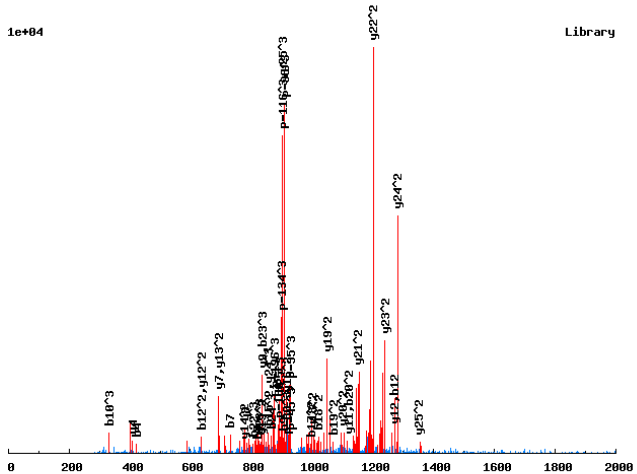


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	8		
262.1186	131.5629	2	F	7	991.4385	**496.2229**
399.1775	200.0924	3	H	6	**844.3701**	**422.6887**
513.2205	**257.1139**	4	N	5	**707.3112**	354.1592
626.3045	**313.6559**	5	L	4	593.2682	297.1378
793.3029	397.1551	6	S[167]	3	**480.1842**	**240.5957**
921.3615	461.1844	7	Q	2	**313.1858**	157.0965
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.NFSAPNVSSSS$_{167}$NS$_{167}$LRS$_{167}$LGSPSVSSSK.K/3

0.9763

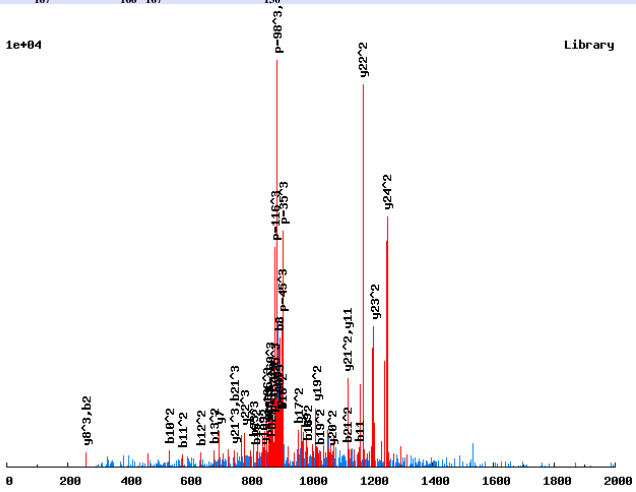


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	26			
262.1186	131.5629	88.0444	2	F	25	2709.1206	**1355.0639**	**903.7117**
349.1506	175.0790	117.0551	3	S	24	2562.0522	**1281.5297**	**854.6889**
420.1878	210.5975	140.7341	4	A	23	2475.0201	**1238.0137**	**825.6782**
517.2405	259.1239	173.0850	5	P	22	2403.9830	**1202.4951**	801.9992
631.2835	316.1454	211.0993	6	N	21	2306.9303	**1153.9688**	769.6483
730.3519	365.6796	244.1221	7	V	20	2192.8873	**1096.9473**	731.6340
817.3839	409.1956	273.1328	8	S	19	2093.8189	**1047.4131**	698.6112
904.4159	452.7116	302.1435	9	S	18	2006.7869	**1003.8971**	669.6005
991.4479	496.2276	**331.1542**	10	S	17	1919.7549	960.3811	640.5898
1158.4463	579.7268	386.8203	11	S[167]	16	1832.7228	**916.8651**	611.5791
1272.4892	**636.7483**	424.8346	12	N	15	1665.7245	**833.3659**	555.9130
1439.4876	720.2474	480.5007	13	S[167]	14	1551.6815	**776.3444**	517.8987
1552.5717	776.7895	518.1954	14	L	13	1384.6832	**692.8452**	462.2326
1708.6728	**854.8400**	570.2291	15	R	12	**1271.5991**	**636.3032**	424.5379
1875.6711	938.3392	625.8952	16	S[167]	11	**1115.4980**	558.2526	372.5042
1988.7552	**994.8812**	663.5899	17	L	10	948.4996	474.7535	316.8381
2045.7767	**1023.3920**	682.5971	18	G	9	**835.4156**	418.2114	279.1434
2132.8087	**1066.9080**	711.6077	19	S	8	**778.3941**	389.7007	260.1362
2229.8614	**1115.4344**	743.9587	20	P	7	**691.3621**	346.1847	231.1256
2316.8935	1158.9504	772.9693	21	S	6	594.3093	297.6583	198.7746
2415.9619	1208.4846	**805.9921**	22	V	5	507.2773	254.1423	169.7640
2502.9939	1252.0006	**835.0028**	23	S	4	**408.2089**	204.6081	136.7411
2590.0259	1295.5166	**864.0135**	24	S	3	321.1769	161.0921	107.7305
2677.0580	1339.0326	**893.0242**	25	S	2	234.1448	117.5761	78.7198
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NFSAPNVS$_{167}$SSSNSLR$_{166}$S$_{167}$LGSPSVSSSK$_{136}$.K/3

0.7928

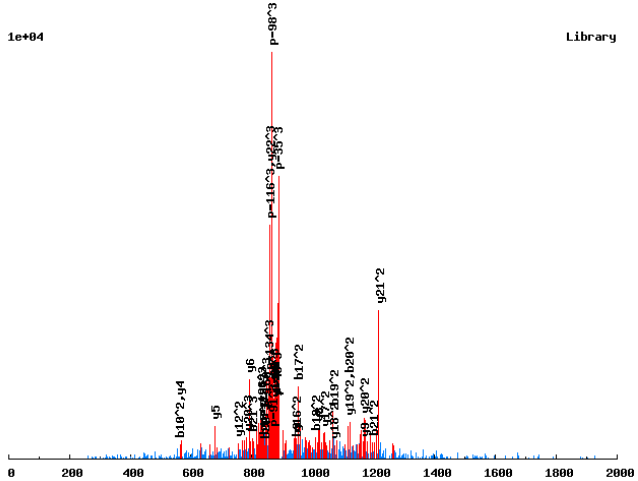


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	26			
262.1186	131.5629	88.0444	2	F	25	2647.1767	1324.0920	**883.0638**
349.1506	175.0790	117.0551	3	S	24	2500.1083	**1250.5578**	834.0409
420.1878	210.5975	140.7341	4	A	23	2413.0763	**1207.0418**	805.0303
517.2405	259.1239	173.0850	5	P	22	2342.0392	**1171.5232**	**781.3512**
631.2835	316.1454	211.0993	6	N	21	2244.9864	**1122.9968**	**749.0003**
730.3519	365.6796	244.1221	7	V	20	2130.9435	**1065.9754**	710.9860
897.3502	449.1788	299.7883	8	S[167]	19	2031.8751	**1016.4412**	677.9632
984.3823	492.6948	328.7989	9	S	18	1864.8767	932.9420	622.2971
1071.4143	**536.2108**	357.8096	10	S	17	1777.8447	**889.4260**	593.2864
1158.4463	**579.7268**	386.8203	11	S	16	1690.8126	**845.9100**	564.2757
1272.4892	**636.7483**	424.8346	12	N	15	1603.7806	802.3939	535.2651
1359.5213	**680.2643**	453.8453	13	S	14	1489.7377	745.3725	497.2507
1472.6053	736.8063	491.5400	14	L	13	1402.7056	701.8565	468.2401
1638.7147	**819.8610**	546.9098	15	R[166]	12	1289.6216	645.3144	430.5454
1805.7131	**903.3602**	602.5759	16	S[167]	11	**1123.5122**	562.2597	375.1756
1918.7971	**959.9022**	640.2706	17	L	10	956.5138	478.7606	319.5095
1975.8186	**988.4129**	659.2777	18	G	9	**843.4298**	422.2185	281.8148
2062.8506	**1031.9290**	688.2884	19	S	8	786.4083	393.7078	**262.8076**
2159.9034	1080.4553	720.6393	20	P	7	**699.3763**	350.1918	233.7969
2246.9354	**1123.9713**	**749.6500**	21	S	6	602.3235	301.6654	201.4460
2346.0038	1173.5056	782.6728	22	V	5	515.2915	258.1494	172.4354
2433.0359	1217.0216	**811.6835**	23	S	4	416.2231	208.6152	139.4125
2520.0679	1260.5376	840.6941	24	S	3	329.1911	165.0992	110.4019
2607.0999	1304.0536	**869.7048**	25	S	2	242.1590	121.5832	81.3912
			26	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.NFSTTAT$_{181}$AAT$_{181}$GESKFDINDNC$_{160}$NR.I/3

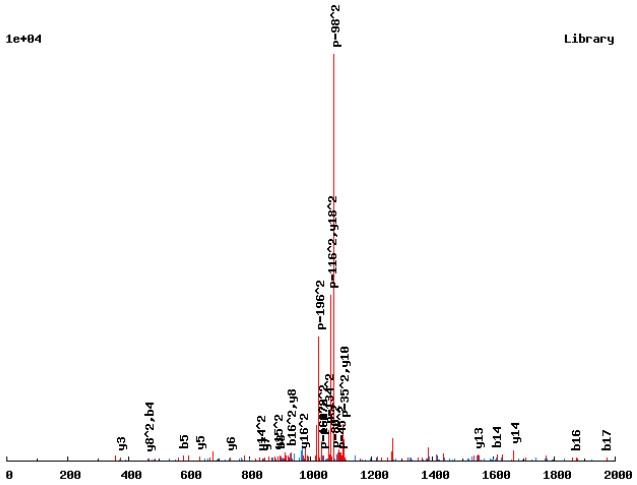
0.6343



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	23			
262.1186	131.5629	88.0444	2	F	22	2580.0109	1290.5091	**860.6752**
349.1506	175.0790	117.0551	3	S	21	2432.9425	**1216.9749**	811.6524
450.1983	225.6028	150.7376	4	T	20	2345.9105	**1173.4589**	**782.6417**
551.2460	276.1266	184.4202	5	T	19	2244.8628	**1122.9350**	748.9591
622.2831	311.6452	208.0992	6	A	18	2143.8151	**1072.4112**	715.2766
803.2971	402.1522	268.4372	7	T[181]	17	2072.7780	**1036.8927**	691.5975
874.3342	437.6708	292.1163	8	A	16	1891.7640	**946.3856**	631.2595
945.3714	473.1893	315.7953	9	A	15	1820.7269	910.8671	607.5805
1126.3854	**563.6963**	376.1333	10	T[181]	14	1749.6898	**875.3485**	583.9015
1183.4068	592.2071	395.1405	11	G	13	1568.6758	784.8415	523.5634
1312.4494	656.7283	438.1547	12	E	12	1511.6543	**756.3308**	504.5563
1399.4814	700.2444	467.1653	13	S	11	1382.6117	691.8095	461.5421
1527.5764	764.2918	509.8637	14	K	10	1295.5797	648.2935	432.5314
1674.6448	**837.8260**	558.8865	15	F	9	**1167.4847**	584.2460	389.8331
1789.6718	895.3395	597.2288	16	D	8	**1020.4163**	510.7118	340.8103
1902.7558	**951.8815**	634.9235	17	I	7	905.3894	453.1983	302.4680
2016.7987	**1008.9030**	672.9378	18	N	6	**792.3053**	396.6563	264.7733
2131.8257	**1066.4165**	711.2801	19	D	5	**678.2624**	339.6348	226.7590
2245.8686	**1123.4379**	749.2944	20	N	4	**563.2355**	282.1214	188.4167
2405.8993	**1203.4533**	**802.6379**	21	C[160]	3	449.1925	225.0999	150.4024
2519.9422	1260.4747	**840.6523**	22	N	2	289.1619	145.0846	97.0588
			23	R	1	175.1190	88.0631	59.0445

K.NGES$_{167}$DLSDY$_{243}$GNSNTEETKK.A/2

0.9981

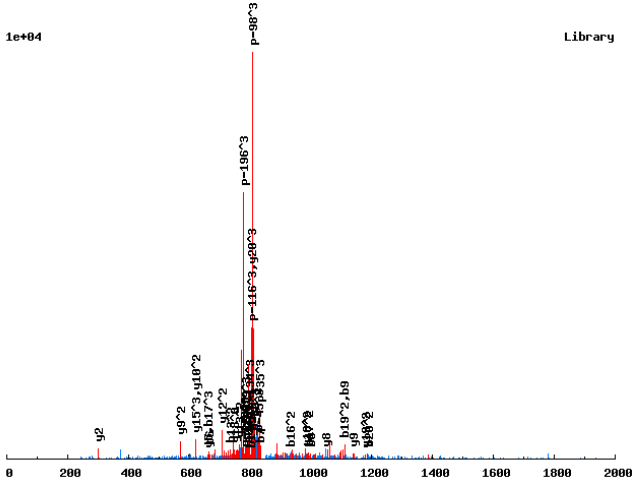


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	19		
172.0717	86.5395	2	G	18	2133.7897	**1067.3985**
301.1143	151.0608	3	E	17	2076.7682	1038.8878
468.1126	234.5600	4	S[167]	16	1947.7256	**974.3665**
583.1396	292.0734	5	D	15	1780.7273	**890.8673**
696.2236	348.6155	6	L	14	**1665.7003**	**833.3538**
783.2557	392.1315	7	S	13	**1552.6163**	776.8118
898.2826	449.6449	8	D	12	1465.5843	733.2958
1141.3123	571.1598	9	Y[243]	11	1350.5573	675.7823
1198.3337	599.6705	10	G	10	**1107.5276**	554.2675
1312.3766	656.6920	11	N	9	1050.5062	525.7567
1399.4087	700.2080	12	S	8	**936.4633**	**468.7353**
1513.4516	757.2294	13	N	7	**849.4312**	425.2193
1614.4993	807.7533	14	T	6	**735.3883**	368.1978
1743.5419	872.2746	15	E	5	**634.3406**	317.6740
1872.5845	**936.7959**	16	E	4	505.2980	253.1527
1973.6321	987.3197	17	T	3	**376.2554**	188.6314
2101.7271	1051.3672	18	K	2	275.2078	138.1075
		19	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NGNEHLS$_{167}$S$_{167}$DGDVSEQK$_{136}$DDEFK$_{136}$.V/3

0.8116

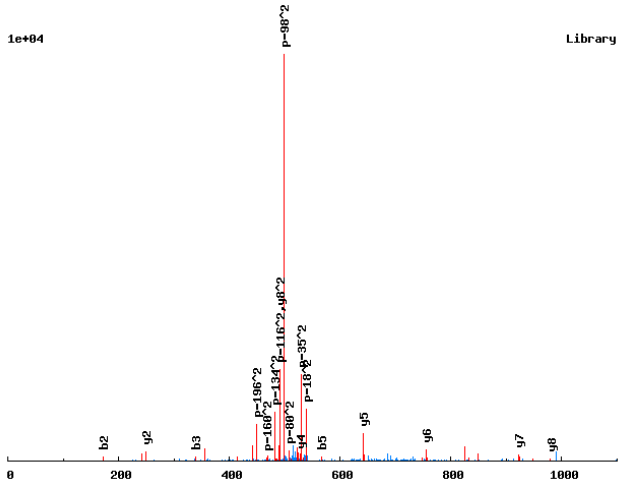


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	21			
172.0717	86.5395	58.0287	2	G	20	2411.9247	1206.4660	**804.6464**
286.1146	143.5609	96.0431	3	N	19	2354.9032	**1177.9552**	**785.6393**
415.1572	208.0822	139.0572	4	E	18	2240.8603	1120.9338	**747.6249**
552.2161	276.6117	184.7436	5	H	17	2111.8177	1056.4125	704.6107
665.3002	333.1537	222.4382	6	L	16	1974.7588	**987.8830**	658.9244
832.2985	416.6529	278.1044	7	S[167]	15	1861.6747	931.3410	**621.2298**
999.2969	500.1521	333.7705	8	S[167]	14	1694.6763	847.8418	565.5636
1114.3238	557.6656	372.1128	9	D	13	1527.6780	**764.3426**	509.8975
1171.3453	586.1763	391.1199	10	G	12	1412.6510	**706.8292**	471.5552
1286.3722	643.6898	429.4623	11	D	11	1355.6296	678.3184	452.5480
1385.4406	693.2240	462.4851	12	V	10	1240.6026	**620.8050**	414.2057
1472.4727	**736.7400**	491.4957	13	S	9	**1141.5342**	**571.2708**	381.1829
1601.5153	**801.2613**	534.5099	14	E	8	**1054.5022**	527.7547	352.1723
1729.5738	865.2906	577.1961	15	Q	7	925.4596	463.2334	309.1581
1865.6830	**933.3451**	622.5659	16	K[136]	6	**797.4010**	399.2042	266.4719
1980.7099	**990.8586**	**660.9082**	17	D	5	**661.2919**	331.1496	221.1021
2095.7369	1048.3721	699.2505	18	D	4	546.2649	273.6361	182.7598
2224.7795	**1112.8934**	742.2647	19	E	3	431.2380	216.1226	144.4175
2371.8479	**1186.4276**	**791.2875**	20	F	2	**302.1954**	151.6013	101.4033
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.NGS$_{167}$INS$_{167}$LTK.S/2

0.9993

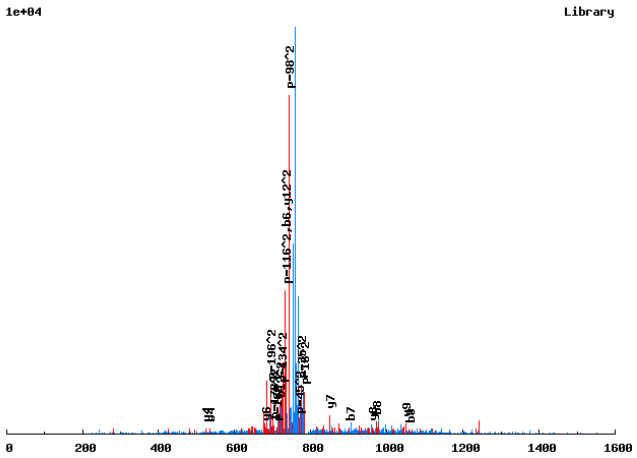


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	9		
172.0717	86.5395	2	G	8	979.3897	490.1985
339.0700	170.0387	3	S[167]	7	922.3683	461.6878
452.1541	226.5807	4	I	6	755.3699	378.1886
566.1970	283.6022	5	N	5	642.2858	321.6466
733.1954	367.1013	6	S[167]	4	528.2429	264.6251
846.2794	423.6434	7	L	3	361.2445	181.1259
947.3271	474.1672	8	T	2	248.1605	124.5839
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NHS$_{167}$DSIS$_{167}$ASS$_{167}$LPK.F/2

0.9976

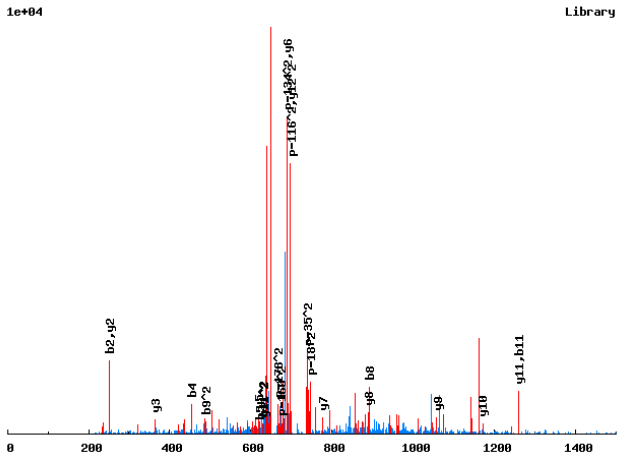


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	13		
252.1091	126.5582	2	H	12	1468.5158	**734.7615**
419.1075	210.0574	3	S[167]	11	1331.4569	666.2321
534.1344	267.5709	4	D	10	1164.4585	582.7329
621.1665	311.0869	5	S	9	**1049.4316**	525.2194
734.2505	367.6289	6	I	8	**962.3995**	481.7034
901.2489	451.1281	7	S[167]	7	**849.3155**	425.1614
972.2860	486.6466	8	A	6	**682.3171**	341.6622
1059.3180	530.1626	9	S	5	611.2800	306.1436
1226.3164	613.6618	10	S[167]	4	**524.2480**	262.6276
1339.4004	670.2039	11	L	3	357.2496	179.1284
1436.4532	**718.7302**	12	P	2	244.1656	122.5864
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NHSDS$_{167}$ISASS$_{167}$LPK$_{136}$.F/2

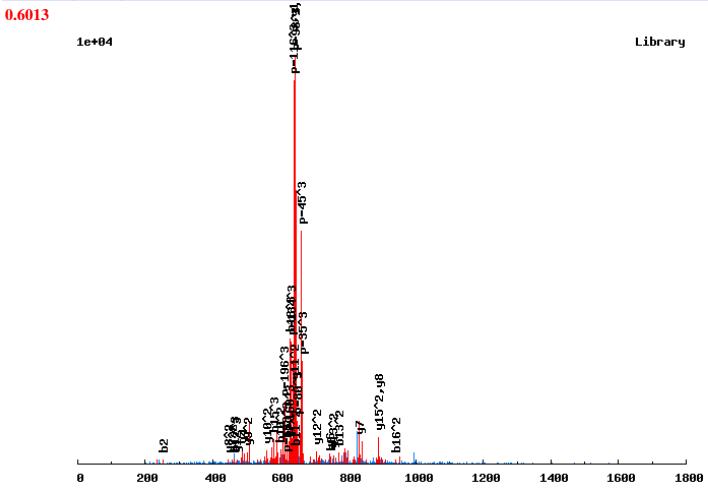
0.94



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	13		
252.1091	126.5582	2	H	12	1396.5637	**698.7855**
339.1411	170.0742	3	S	11	**1259.5047**	**630.2560**
454.1681	227.5877	4	D	10	**1172.4727**	586.7400
621.1665	311.0869	5	S[167]	9	**1057.4458**	529.2265
734.2505	367.6289	6	I	8	**890.4474**	445.7273
821.2825	411.1449	7	S	7	**777.3634**	389.1853
892.3197	446.6635	8	A	6	**690.3313**	345.6693
979.3517	**490.1795**	9	S	5	**619.2942**	310.1507
1146.3500	573.6787	10	S[167]	4	532.2622	266.6347
1259.4341	**630.2207**	11	L	3	**365.2638**	183.1355
1356.4869	678.7471	12	P	2	**252.1798**	126.5935
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.NHTS$_{167}$VES$_{167}$LNGSTRPPFK.I/3

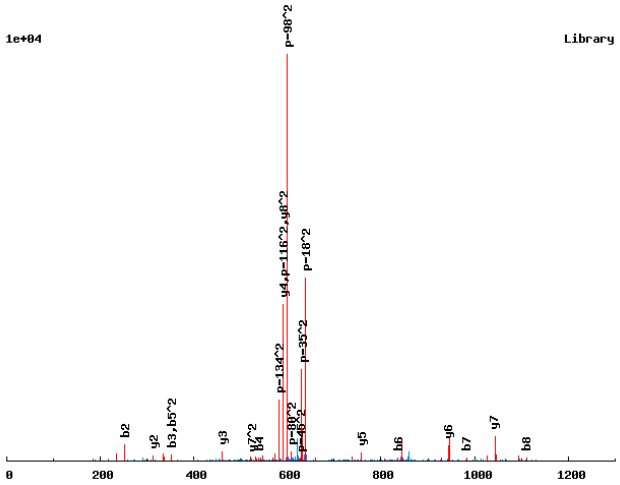


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	17			
252.1091	126.5582	84.7079	2	H	16	1916.8303	958.9188	**639.6150**
353.1568	177.0820	118.3905	3	T	15	1779.7714	**890.3893**	593.9287
520.1552	260.5812	174.0566	4	S[167]	14	1678.7237	839.8655	560.2461
619.2236	310.1154	207.0794	5	V	13	1511.7254	**756.3663**	504.5800
748.2662	374.6367	250.0936	6	E	12	1412.6570	**706.8321**	**471.5572**
915.2645	**458.1359**	305.7597	7	S[167]	11	1283.6144	**642.3108**	428.5430
1028.3486	514.6779	343.4544	8	L	10	1116.6160	**558.8116**	372.8769
1142.3915	571.6994	381.4687	9	N	9	1003.5319	**502.2696**	335.1822
1199.4130	**600.2101**	400.4758	10	G	8	**889.4890**	**445.2481**	297.1679
1286.4450	**643.7261**	429.4865	11	S	7	**832.4676**	416.7374	278.1607
1387.4927	694.2500	**463.1691**	12	T	6	**745.4355**	373.2214	249.1500
1543.5938	**772.3005**	515.2028	13	R	5	**644.3878**	322.6976	215.4675
1640.6466	820.8269	547.5537	14	P	4	**488.2867**	244.6470	163.4338
1737.6993	869.3533	**579.9046**	15	P	3	391.2340	196.1206	131.0828
1884.7677	**942.8875**	**628.9274**	16	F	2	294.1812	147.5942	98.7319
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NHTWS$_{167}$EFER$_{166}$.I/2

0.9996

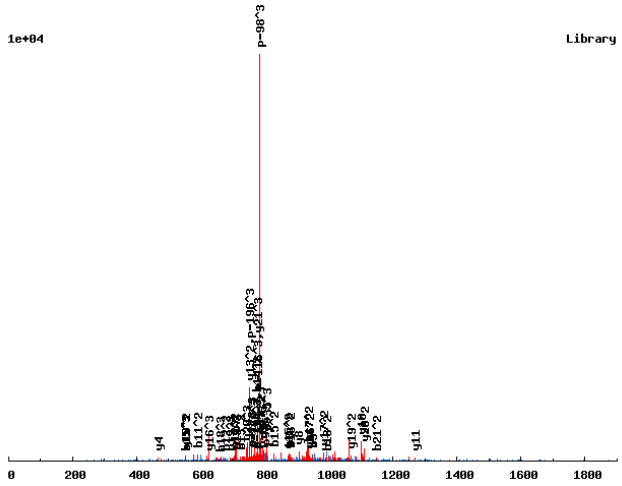


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	9		
252.1091	126.5582	2	H	8	1181.4651	**591.2362**
353.1568	177.0820	3	T	7	**1044.4062**	**522.7067**
539.2361	270.1217	4	W	6	**943.3585**	472.1829
706.2345	**353.6209**	5	S[167]	5	**757.2792**	379.1432
835.2771	418.1422	6	E	4	**590.2808**	295.6440
982.3455	491.6764	7	F	3	**461.2382**	231.1227
1111.3881	556.1977	8	E	2	**314.1698**	157.5885
		9	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NISGISHS$_{167}$APHS$_{167}$PVNPNISLIK$_{136}$.R/3

0.9829

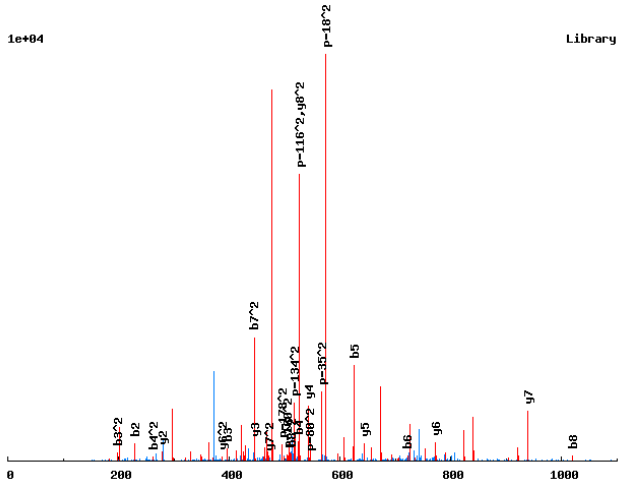


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	22			
228.1343	114.5708	76.7163	2	I	21	2336.1291	1168.5682	**779.3812**
315.1663	158.0868	105.7270	3	S	20	2223.0450	**1112.0261**	**741.6865**
372.1878	186.5975	124.7341	4	G	19	2136.0130	**1068.5101**	**712.6758**
485.2718	243.1395	162.4288	5	I	18	2078.9915	1039.9994	693.6687
572.3039	286.6556	191.4395	6	S	17	1965.9074	**983.4574**	655.9740
709.3628	355.1850	237.1258	7	H	16	1878.8754	**939.9413**	**626.9633**
876.3611	438.6842	292.7919	8	S[167]	15	1741.8165	**871.4119**	581.2770
947.3982	474.2028	316.4709	9	A	14	1574.8181	**787.9127**	525.6109
1044.4510	522.7291	348.8219	10	P	13	1503.7810	**752.3942**	501.9319
1181.5099	**591.2586**	394.5082	11	H	12	1406.7283	**703.8678**	469.5809
1348.5083	**674.7578**	450.1743	12	S[167]	11	**1269.6694**	635.3383	423.8946
1445.5610	**723.2842**	482.5252	13	P	10	**1102.6710**	**551.8391**	368.2285
1544.6294	**772.8184**	515.5480	14	V	9	1005.6182	503.3128	335.8776
1658.6724	**829.8398**	**553.5623**	15	N	8	**906.5498**	453.7786	302.8548
1755.7251	**878.3662**	585.9132	16	P	7	**792.5069**	396.7571	264.8405
1869.7681	**935.3877**	623.9275	17	N	6	695.4541	348.2307	232.4896
1982.8521	**991.9297**	**661.6222**	18	I	5	581.4112	291.2092	194.4753
2069.8841	1035.4457	**690.6329**	19	S	4	**468.3271**	234.6672	156.7806
2182.9682	1091.9877	728.3276	20	L	3	381.2951	191.1512	127.7699
2296.0523	**1148.5298**	766.0223	21	I	2	268.2111	134.6092	90.0752
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.NIS$_{167}$KTPS$_{167}$MK.N/2

0.8688

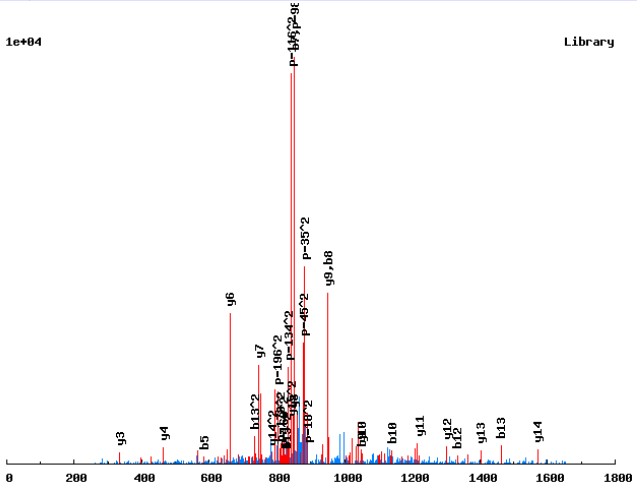


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	9		
228.1343	114.5708	2	I	8	1051.4295	**526.2184**
395.1326	**198.0700**	3	S[167]	7	**938.3454**	**469.6763**
523.2276	**262.1174**	4	K	6	**771.3471**	**386.1772**
624.2753	312.6413	5	T	5	**643.2521**	322.1297
721.3280	361.1677	6	P	4	**542.2044**	271.6058
888.3264	**444.6668**	7	S[167]	3	**445.1517**	223.0795
1019.3669	**510.1871**	8	M	2	**278.1533**	139.5803
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NIS$_{167}$TSS$_{167}$VTTSPVESTK.N/2

0.9944

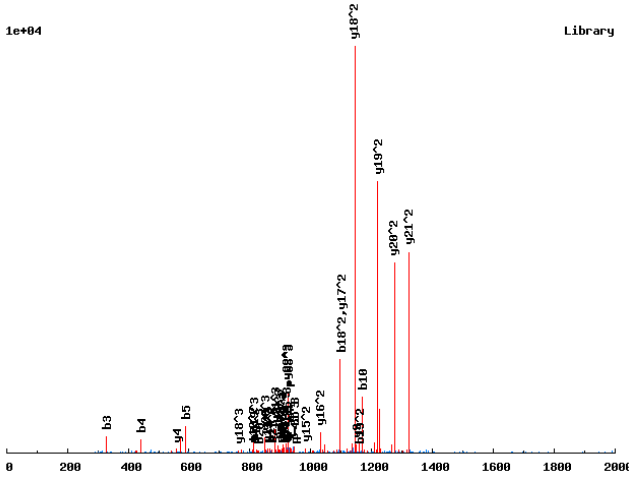


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	16		
228.1343	114.5708	2	I	15	1683.7126	**842.3599**
395.1326	198.0700	3	S[167]	14	**1570.6285**	**785.8179**
496.1803	248.5938	4	T	13	**1403.6301**	702.3187
583.2123	292.1098	5	S	12	**1302.5825**	651.7949
750.2107	375.6090	6	S[167]	11	**1215.5504**	608.2789
849.2791	425.1432	7	V	10	**1048.5521**	524.7797
950.3268	475.6670	8	T	9	**949.4837**	475.2455
1051.3745	526.1909	9	T	8	**848.4360**	424.7216
1138.4065	569.7069	10	S	7	**747.3883**	374.1978
1235.4593	618.2333	11	P	6	**660.3563**	330.6818
1334.5277	667.7675	12	V	5	563.3035	282.1554
1463.5703	**732.2888**	13	E	4	**464.2351**	232.6212
1550.6023	775.8048	14	S	3	**335.1925**	168.0999
1651.6500	**826.3286**	15	T	2	248.1605	124.5839
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.NIVLFPEPEESFS$_{167}$RPQS$_{167}$AQS$_{167}$QSR.S/3

0.9999

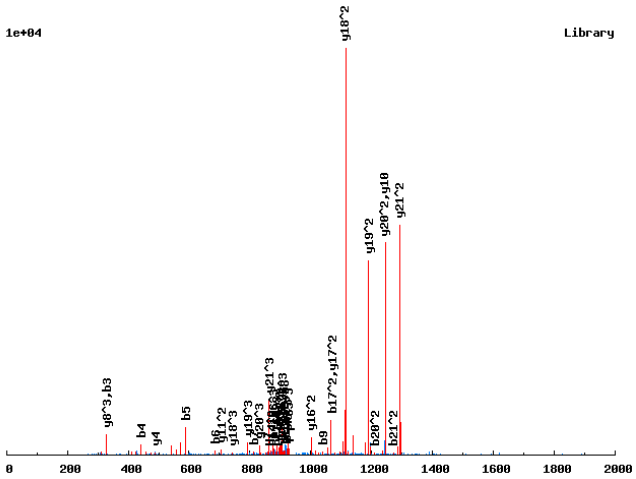


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	23			
228.1343	114.5708	76.7163	2	I	22	2759.1515	1380.0794	**920.3887**
327.2027	164.1050	109.7391	3	V	21	2646.0674	**1323.5373**	**882.6940**
440.2867	220.6470	147.4338	4	L	20	2546.9990	**1274.0031**	**849.6712**
587.3551	294.1812	196.4566	5	F	19	2433.9149	**1217.4611**	**811.9765**
684.4079	342.7076	228.8075	6	P	18	2286.8465	**1143.9269**	**762.9537**
813.4505	407.2289	271.8217	7	E	17	2189.7938	**1095.4005**	730.6028
910.5033	455.7553	304.1726	8	P	16	2060.7512	**1030.8792**	687.5886
1039.5458	520.2766	347.1868	9	E	15	1963.6984	**982.3528**	655.2377
1168.5884	584.7979	390.2010	10	E	14	1834.6558	917.8315	612.2235
1255.6205	628.3139	419.2117	11	S	13	1705.6132	**853.3103**	569.2093
1402.6889	701.8481	468.2345	12	F	12	1618.5812	**809.7942**	540.1986
1569.6872	785.3473	523.9006	13	S[167]	11	1471.5128	736.2600	491.1758
1725.7884	**863.3978**	575.9343	14	R	10	1304.5144	652.7609	435.5097
1822.8411	**911.9242**	608.2852	15	P	9	**1148.4133**	574.7103	383.4760
1950.8997	975.9535	650.9714	16	Q	8	1051.3606	526.1839	351.1250
2117.8981	1059.4527	706.6375	17	S[167]	7	**923.3020**	462.1546	308.4388
2188.9352	**1094.9712**	730.3166	18	A	6	756.3036	378.6554	252.7727
2316.9937	**1159.0005**	773.0028	19	Q	5	685.2665	343.1369	229.0937
2483.9921	1242.4997	**828.6689**	20	S[167]	4	**557.2079**	279.1076	186.4075
2612.0507	1306.5290	**871.3551**	21	Q	3	390.2096	195.6084	130.7414
2699.0827	1350.0450	900.3658	22	S	2	262.1510	131.5791	88.0552
			23	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NIVLFPEPEESFS$_{167}$R$_{166}$PQS$_{167}$AQSQSR$_{166}$.S/3

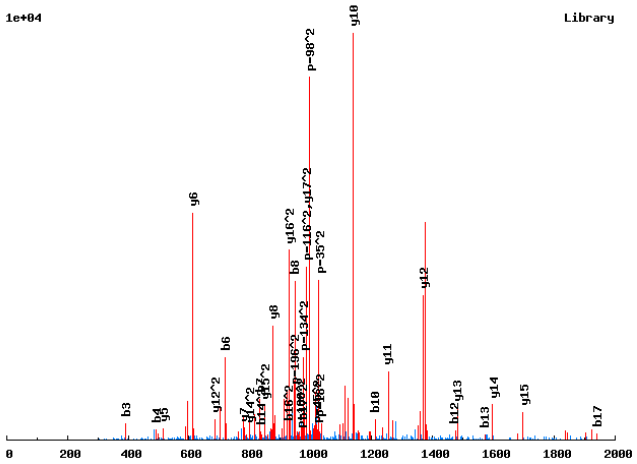
0.9977



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	23			
228.1343	114.5708	76.7163	2	I	22	2699.2017	1350.1045	**900.4054**
327.2027	164.1050	109.7391	3	V	21	2586.1176	**1293.5624**	**862.7107**
440.2867	220.6470	147.4338	4	L	20	2487.0492	**1244.0282**	**829.6879**
587.3551	294.1812	196.4566	5	F	19	2373.9651	**1187.4862**	**791.9932**
684.4079	342.7076	228.8075	6	P	18	2226.8967	**1113.9520**	**742.9704**
813.4505	407.2289	271.8217	7	E	17	2129.8440	**1065.4256**	710.6195
910.5033	455.7553	304.1726	8	P	16	2000.8014	**1000.9043**	667.6053
1039.5458	520.2766	347.1868	9	E	15	1903.7486	952.3779	635.2544
1168.5884	584.7979	390.2010	10	E	14	1774.7060	887.8567	592.2402
1255.6205	628.3139	419.2117	11	S	13	1645.6634	823.3354	549.2260
1402.6889	701.8481	468.2345	12	F	12	1558.6314	779.8193	520.2153
1569.6872	785.3473	523.9006	13	S[167]	11	1411.5630	**706.2851**	471.1925
1735.7966	**868.4020**	579.2704	14	R[166]	10	**1244.5646**	622.7860	415.5264
1832.8494	**916.9283**	611.6213	15	P	9	1078.4552	539.7313	360.1566
1960.9080	980.9576	654.3075	16	Q	8	981.4025	491.2049	**327.8057**
2127.9063	**1064.4568**	709.9736	17	S[167]	7	**853.3439**	427.1756	285.1195
2198.9434	1099.9754	733.6527	18	A	6	686.3455	343.6764	229.4534
2327.0020	1164.0046	776.3389	19	Q	5	615.3084	308.1579	205.7743
2414.0340	**1207.5207**	805.3495	20	S	4	**487.2499**	244.1286	163.0881
2542.0926	**1271.5500**	848.0357	21	Q	3	400.2178	200.6126	134.0775
2629.1247	1315.0660	877.0464	22	S	2	272.1592	136.5833	91.3913
			23	R[166]	1	185.1272	93.0672	62.3806

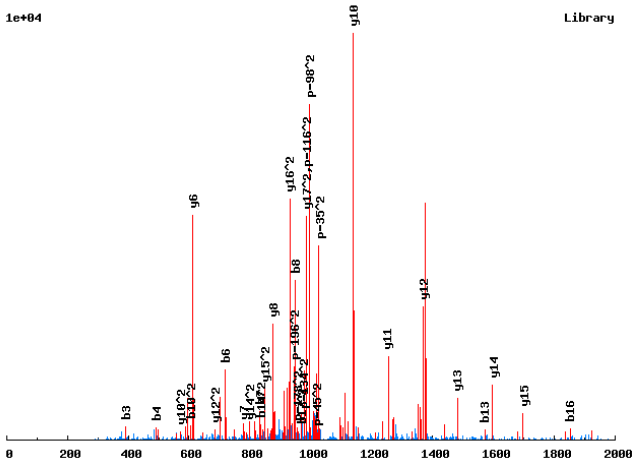
K.NIYTNINNPS$_{167}$PS$_{167}$PPPSSK.Q/2

1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	18		
228.1343	114.5708	2	I	17	1972.8453	**986.9263**
391.1976	196.1024	3	Y	16	1859.7612	**930.3843**
492.2453	246.6263	4	T	15	**1696.6979**	**848.8526**
606.2882	303.6477	5	N	14	**1595.6502**	**798.3288**
719.3723	360.1898	6	I	13	**1481.6073**	741.3073
833.4152	417.2112	7	N	12	**1368.5232**	**684.7653**
947.4581	474.2327	8	N	11	**1254.4803**	627.7438
1044.5109	522.7591	9	P	10	**1140.4374**	570.7223
1211.5093	606.2583	10	S[167]	9	1043.3846	522.1960
1308.5620	654.7846	11	P	8	**876.3863**	438.6968
1475.5604	738.2838	12	S[167]	7	**779.3335**	390.1704
1572.6131	786.8102	13	P	6	**612.3351**	306.6712
1669.6659	**835.3366**	14	P	5	**515.2824**	258.1448
1766.7187	883.8630	15	P	4	418.2296	209.6184
1853.7507	**927.3790**	16	S	3	321.1769	161.0921
1940.7827	**970.8950**	17	S	2	234.1448	117.5761
		18	K	1	147.1128	74.0600

1

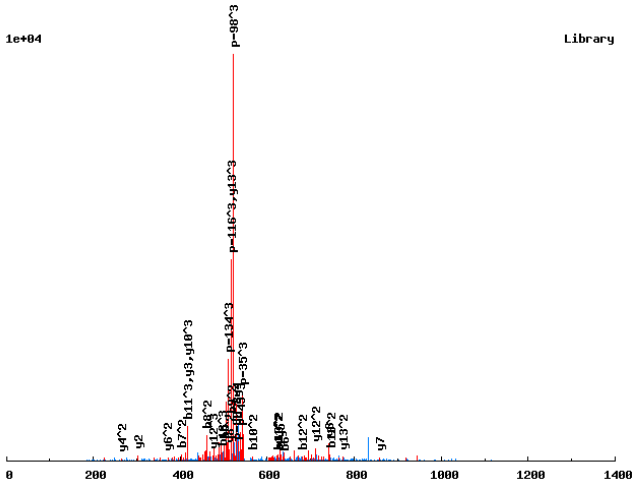


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	18		
228.1343	114.5708	2	I	17	1972.8453	**986.9263**
391.1976	196.1024	3	Y	16	1859.7612	**930.3843**
492.2453	246.6263	4	T	15	**1696.6979**	**848.8526**
606.2882	303.6477	5	N	14	**1595.6502**	**798.3288**
719.3723	360.1898	6	I	13	**1481.6073**	741.3073
833.4152	417.2112	7	N	12	**1368.5232**	**684.7653**
947.4581	474.2327	8	N	11	**1254.4803**	627.7438
1044.5109	522.7591	9	P	10	**1140.4374**	**570.7223**
1211.5093	**606.2583**	10	S[167]	9	1043.3846	522.1960
1308.5620	654.7846	11	P	8	**876.3863**	438.6968
1475.5604	738.2838	12	S[167]	7	**779.3335**	390.1704
1572.6131	786.8102	13	P	6	**612.3351**	306.6712
1669.6659	**835.3366**	14	P	5	515.2824	258.1448
1766.7187	883.8630	15	P	4	418.2296	209.6184
1853.7507	927.3790	16	S	3	321.1769	161.0921
1940.7827	**970.8950**	17	S	2	234.1448	117.5761
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NKNGSHS$_{167}$DLVNLQR.S/3

0.6635

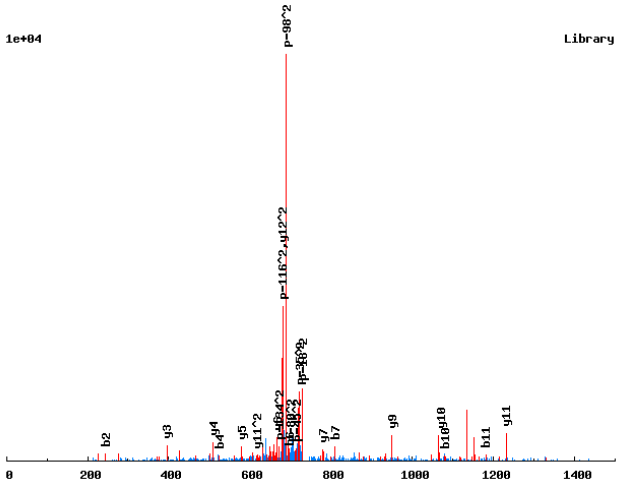


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	14			
243.1452	122.0762	81.7199	2	K	13	1547.7326	**774.3699**	**516.5824**
357.1881	179.0977	119.7342	3	N	12	1419.6376	**710.3225**	**473.8841**
414.2096	207.6084	138.7414	4	G	11	1305.5947	653.3010	435.8698
501.2416	251.1244	167.7520	5	S	10	1248.5732	**624.7903**	**416.8626**
638.3005	319.6539	213.4384	6	H	9	1161.5412	581.2742	387.8519
805.2989	**403.1531**	269.1045	7	S[167]	8	1024.4823	**512.7448**	342.1656
920.3258	**460.6665**	307.4468	8	D	7	**857.4839**	429.2456	286.4995
1033.4099	**517.2086**	345.1415	9	L	6	**742.4570**	**371.7321**	248.1572
1132.4783	**566.7428**	378.1643	10	V	5	**629.3729**	315.1901	210.4625
1246.5212	**623.7642**	**416.1786**	11	N	4	**530.3045**	**265.6559**	177.4397
1359.6053	**680.3063**	453.8733	12	L	3	**416.2616**	208.6344	139.4254
1487.6638	**744.3356**	**496.5595**	13	Q	2	**303.1775**	152.0924	101.7307
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NKS$_{167}$DGNISALTFK.A/2

0.9813

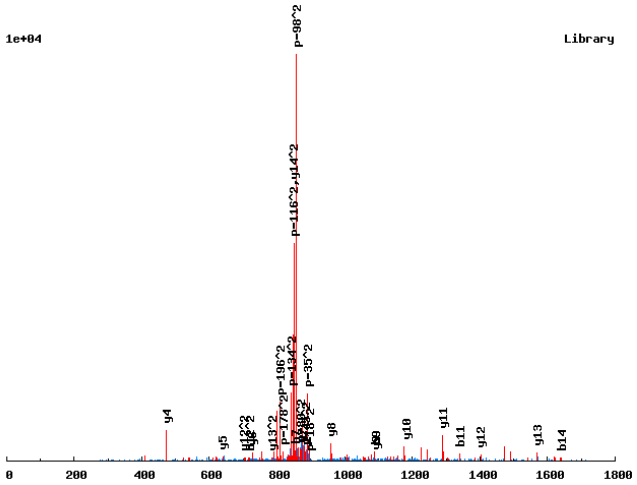


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	13		
243.1452	122.0762	2	K	12	1360.6508	**680.8290**
410.1435	205.5754	3	S[167]	11	**1232.5558**	**616.7816**
525.1705	263.0889	4	D	10	**1065.5575**	533.2824
582.1919	291.5996	5	G	9	**950.5305**	475.7689
696.2349	348.6211	6	N	8	893.5091	447.2582
809.3189	405.1631	7	I	7	**779.4662**	390.2367
896.3510	448.6791	8	S	6	**666.3821**	333.6947
967.3881	484.1977	9	A	5	**579.3501**	290.1787
1080.4721	540.7397	10	L	4	**508.3130**	254.6601
1181.5198	591.2635	11	T	3	**395.2289**	198.1181
1328.5882	664.7977	12	F	2	294.1812	147.5942
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NKS$_{167}$INSESFSS$_{167}$PSLR.A/2

0.9278

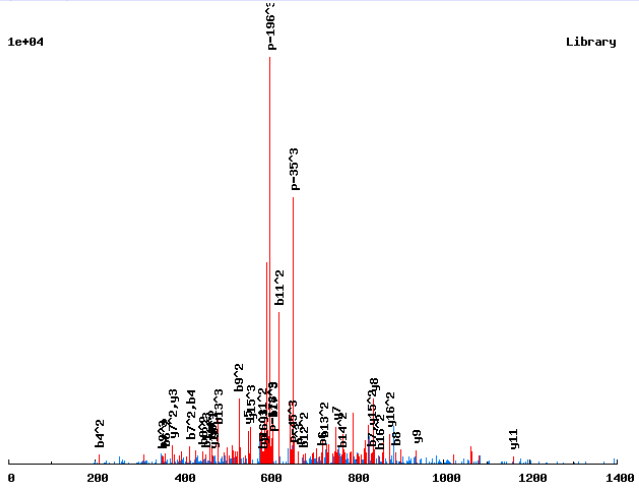


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	15		
243.1452	122.0762	2	K	14	1698.7136	**849.8604**
410.1435	205.5754	3	S[167]	13	**1570.6186**	**785.8129**
523.2276	262.1174	4	I	12	**1403.6202**	**702.3138**
637.2705	319.1389	5	N	11	**1290.5362**	645.7717
724.3026	362.6549	6	S	10	**1176.4933**	588.7503
853.3451	427.1762	7	E	9	**1089.4612**	545.2343
940.3772	470.6922	8	S	8	**960.4186**	480.7130
1087.4456	544.2264	9	F	7	**873.3866**	437.1969
1174.4776	587.7424	10	S	6	**726.3182**	363.6627
1341.4760	671.2416	11	S[167]	5	**639.2862**	320.1467
1438.5287	**719.7680**	12	P	4	**472.2878**	236.6475
1525.5608	763.2840	13	S	3	375.2350	188.1212
1638.6448	819.8261	14	L	2	288.2030	144.6051
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.NKSSS$_{167}$HIGS$_{167}$VSNSSSSDR.N/3

0.9122

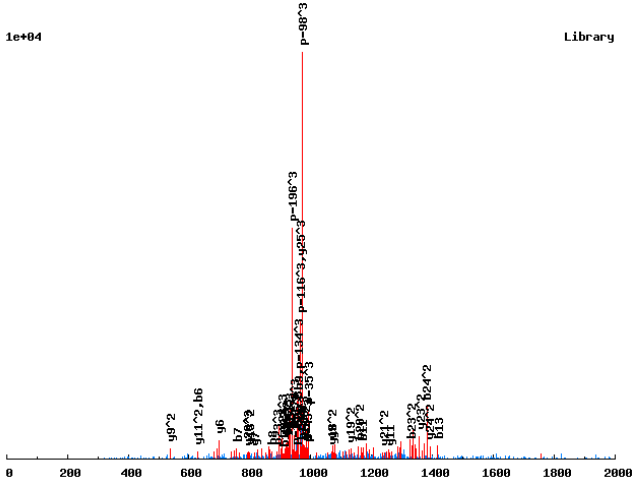


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	18			
243.1452	122.0762	81.7199	2	K	17	1881.7376	941.3724	627.9174
330.1772	165.5922	110.7306	3	S	16	1753.6426	**877.3249**	**585.2191**
417.2092	**209.1083**	139.7413	4	S	15	1666.6106	**833.8089**	**556.2084**
584.2076	292.6074	195.4074	5	S[167]	14	1579.5785	790.2929	527.1977
721.2665	**361.1369**	241.0937	6	H	13	1412.5802	706.7937	**471.5316**
834.3506	**417.6789**	278.7884	7	I	12	1275.5213	638.2643	425.8453
891.3720	**446.1897**	297.7955	8	G	11	**1162.4372**	**581.7222**	388.1506
1058.3704	**529.6888**	**353.4616**	9	S[167]	10	1105.4157	553.2115	369.1434
1157.4388	579.2230	386.4845	10	V	9	**938.4174**	**469.7123**	313.4773
1244.4708	**622.7391**	415.4951	11	S	8	**839.3490**	420.1781	280.4545
1358.5138	**679.7605**	**453.5094**	12	N	7	**752.3169**	**376.6621**	251.4438
1445.5458	**723.2765**	**482.5201**	13	S	6	638.2740	319.6406	213.4295
1532.5778	**766.7925**	511.5308	14	S	5	**551.2420**	276.1246	184.4188
1619.6098	810.3086	540.5415	15	S	4	**464.2099**	232.6086	155.4082
1706.6419	**853.8246**	569.5521	16	S	3	**377.1779**	189.0926	126.3975
1821.6688	911.3380	**607.8945**	17	D	2	290.1459	145.5766	97.3868
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NLATQTQNSSKQDS$_{167}$S$_{167}$ADEEDNKNVPK.K/3

0.8781

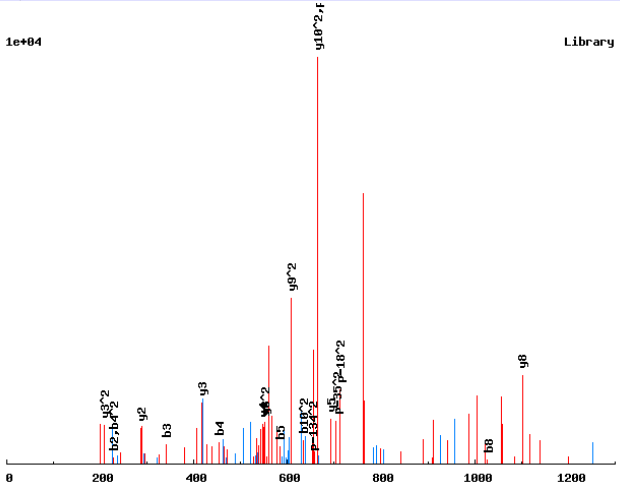


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	26			
228.1343	114.5708	76.7163	2	L	25	2894.2088	1447.6081	**965.4078**
299.1714	150.0893	100.3953	3	A	24	2781.1248	**1391.0660**	**927.7131**
400.2191	200.6132	134.0779	4	T	23	2710.0877	**1355.5475**	**904.0341**
528.2776	264.6425	176.7641	5	Q	22	2609.0400	1305.0236	870.3515
629.3253	315.1663	210.4466	6	T	21	2480.9814	**1240.9943**	827.6653
757.3839	379.1956	253.1328	7	Q	20	2379.9337	1190.4705	**793.9828**
871.4268	436.2171	291.1471	8	N	19	2251.8752	**1126.4412**	751.2966
958.4589	479.7331	320.1578	9	S	18	2137.8322	**1069.4198**	713.2823
1045.4909	523.2491	349.1685	10	S	17	2050.8002	1025.9037	684.2716
1173.5858	587.2966	391.8668	11	K	16	1963.7682	**982.3877**	655.2609
1301.6444	651.3259	434.5530	12	Q	15	1835.6732	**918.3402**	612.5626
1416.6714	708.8393	472.8953	13	D	14	1707.6146	854.3110	569.8764
1583.6697	792.3385	528.5614	14	S[167]	13	1592.5877	**796.7975**	531.5341
1750.6681	875.8377	584.2276	15	S[167]	12	1425.5893	713.2983	475.8680
1821.7052	**911.3562**	607.9066	16	A	11	**1258.5910**	**629.7991**	420.2018
1936.7321	**968.8697**	646.2489	17	D	10	1187.5538	594.2806	396.5228
2065.7747	1033.3910	689.2631	18	E	9	**1072.5269**	**536.7671**	358.1805
2194.8173	1097.9123	732.2773	19	E	8	943.4843	472.2458	315.1663
2309.8443	**1155.4258**	770.6196	20	D	7	**814.4417**	407.7245	272.1521
2423.8872	1212.4472	808.6339	21	N	6	**699.4148**	350.2110	233.8098
2551.9822	1276.4947	851.3322	22	K	5	585.3719	293.1896	195.7955
2666.0251	**1333.5162**	**889.3465**	23	N	4	457.2769	229.1421	153.0972
2765.0935	**1383.0504**	**922.3694**	24	V	3	343.2340	172.1206	115.0828
2862.1463	1431.5768	**954.7203**	25	P	2	244.1656	122.5864	82.0600
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NLINKS$_{167}$FEELR.R/2

0.5898

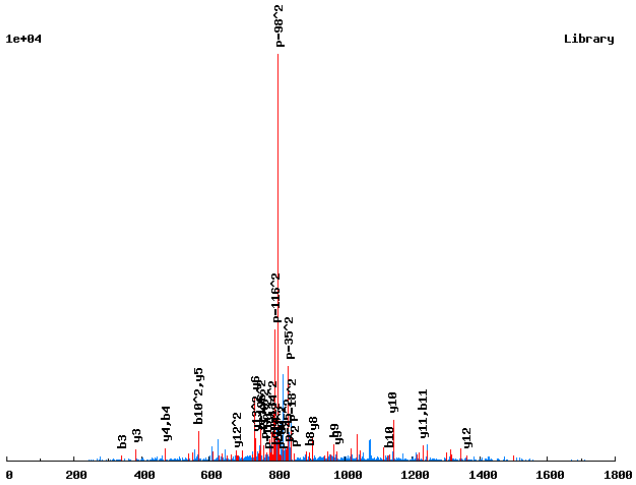


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
228.1343	114.5708	2	L	10	1328.6610	**664.8341**
341.2183	171.1128	3	I	9	1215.5769	**608.2921**
455.2613	**228.1343**	4	N	8	**1102.4929**	**551.7501**
583.3562	292.1818	5	K	7	988.4499	494.7286
750.3546	375.6809	6	S[167]	6	860.3550	430.6811
897.4230	449.2151	7	F	5	**693.3566**	347.1819
1026.4656	513.7364	8	E	4	**546.2882**	273.6477
1155.5082	578.2577	9	E	3	**417.2456**	**209.1264**
1268.5922	**634.7998**	10	L	2	**288.2030**	144.6051
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NLLESS$_{167}$ATAS$_{167}$PSPTR$_{166}$.S/2

0.969

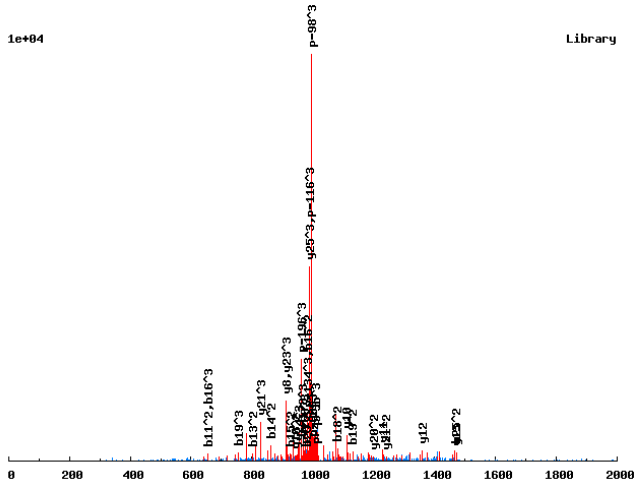


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	15		
228.1343	114.5708	2	L	14	1586.6738	**793.8405**
341.2183	171.1128	3	L	13	1473.5898	**737.2985**
470.2609	235.6341	4	E	12	**1360.5057**	**680.7565**
557.2930	279.1501	5	S	11	**1231.4631**	616.2352
724.2913	362.6493	6	S[167]	10	**1144.4311**	572.7192
795.3284	398.1679	7	A	9	**977.4327**	489.2200
896.3761	448.6917	8	T	8	**906.3956**	453.7014
967.4132	484.2102	9	A	7	**805.3479**	403.1776
1134.4116	**567.7094**	10	S[167]	6	**734.3108**	367.6590
1231.4643	616.2358	11	P	5	**567.3124**	284.1599
1318.4964	659.7518	12	S	4	**470.2597**	235.6335
1415.5491	708.2782	13	P	3	**383.2277**	192.1175
1516.5968	758.8020	14	T	2	286.1749	143.5911
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NLLS$_{167}$SSDSRRNS$_{167}$QDEDSLPNNTNLIK.E/3

0.8166

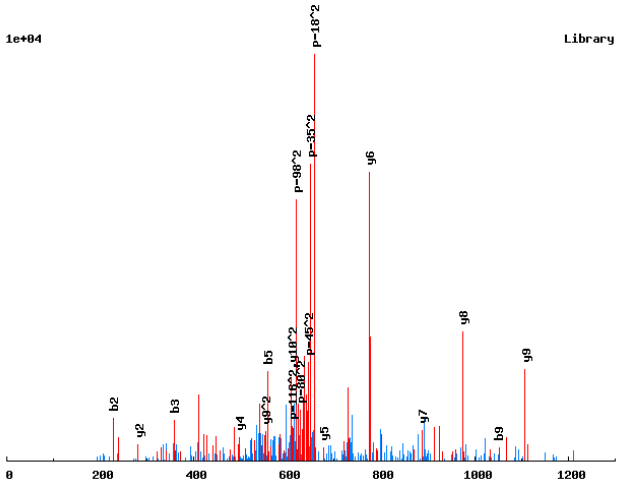


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	26			
228.1343	114.5708	76.7163	2	L	25	2963.3143	1482.1608	**988.4430**
341.2183	171.1128	114.4110	3	L	24	2850.2303	1425.6188	**950.7483**
508.2167	254.6120	170.0771	4	S[167]	23	2737.1462	1369.0767	**913.0536**
595.2487	298.1280	199.0878	5	S	22	2570.1478	1285.5776	857.3875
682.2808	341.6440	228.0984	6	S	21	2483.1158	**1242.0615**	**828.3768**
797.3077	399.1575	266.4408	7	D	20	2396.0838	**1198.5455**	799.3661
884.3397	442.6735	295.4514	8	S	19	2281.0568	1141.0321	761.0238
1040.4408	520.7241	347.4851	9	R	18	2194.0248	1097.5160	732.0131
1196.5419	598.7746	399.5188	10	R	17	2037.9237	1019.4655	679.9794
1310.5849	**655.7961**	437.5331	11	N	16	1881.8226	**941.4149**	627.9457
1477.5832	739.2953	493.1993	12	S[167]	15	1767.7797	884.3935	589.9314
1605.6418	**803.3245**	535.8855	13	Q	14	1600.7813	800.8943	534.2653
1720.6688	**860.8380**	574.2278	14	D	13	**1472.7227**	736.8650	491.5791
1849.7113	**925.3593**	617.2420	15	E	12	**1357.6958**	679.3515	453.2368
1964.7383	**982.8728**	**655.5843**	16	D	11	**1228.6532**	614.8302	410.2226
2051.7703	1026.3888	684.5950	17	S	10	**1113.6262**	557.3168	371.8803
2164.8544	**1082.9308**	722.2896	18	L	9	1026.5942	513.8007	342.8696
2261.9071	**1131.4572**	**754.6406**	19	P	8	**913.5102**	457.2587	305.1749
2375.9501	1188.4787	792.6549	20	N	7	816.4574	408.7323	272.8240
2489.9930	1245.5001	830.6692	21	N	6	702.4145	351.7109	234.8097
2591.0407	1296.0240	864.3517	22	T	5	588.3715	294.6894	196.7954
2705.0836	1353.0454	902.3661	23	N	4	487.3238	244.1656	163.1128
2818.1677	1409.5875	940.0607	24	L	3	373.2809	187.1441	125.0985
2931.2517	**1466.1295**	**977.7554**	25	I	2	260.1969	130.6021	87.4038
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NLMSLPT$_{181}$NTPR$_{166}$.N/2

0.9967

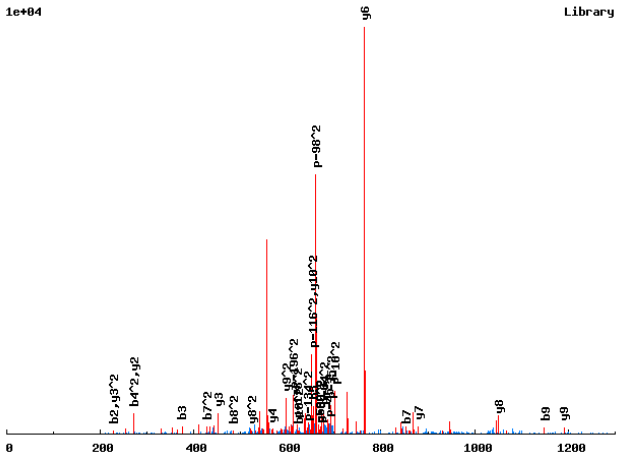


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
228.1343	114.5708	2	L	10	1219.5780	**610.2926**
359.1748	180.0910	3	M	9	**1106.4939**	**553.7506**
446.2068	223.6070	4	S	8	**975.4535**	488.2304
559.2908	280.1491	5	L	7	**888.4214**	444.7144
656.3436	328.6754	6	P	6	**775.3374**	388.1723
837.3576	419.1825	7	T[181]	5	**678.2846**	339.6459
951.4006	476.2039	8	N	4	**497.2706**	249.1389
1052.4482	526.7278	9	T	3	383.2277	192.1175
1149.5010	575.2541	10	P	2	**282.1800**	141.5936
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.NLM$_{147}$S$_{167}$LPTNT$_{181}$PR.N/2

0.9908

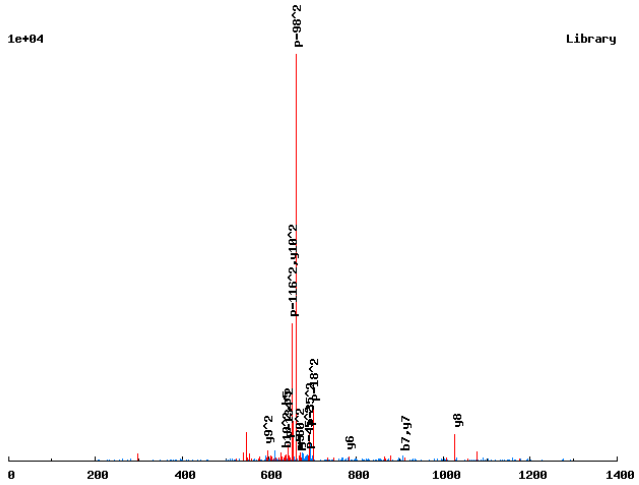


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
228.1343	114.5708	2	L	10	1305.5310	**653.2691**
375.1697	188.0885	3	M[147]	9	**1192.4469**	**596.7271**
542.1680	**271.5877**	4	S[167]	8	**1045.4115**	**523.2094**
655.2521	328.1297	5	L	7	**878.4132**	439.7102
752.3049	376.6561	6	P	6	**765.3291**	383.1682
853.3525	**427.1799**	7	T	5	**668.2763**	334.6418
967.3955	**484.2014**	8	N	4	**567.2287**	284.1180
1148.4095	574.7084	9	T[181]	3	**453.1857**	**227.0965**
1245.4622	**623.2348**	10	P	2	**272.1717**	136.5895
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NLS$_{167}$NENC$_{160}$SFKK.Q/2

0.7546

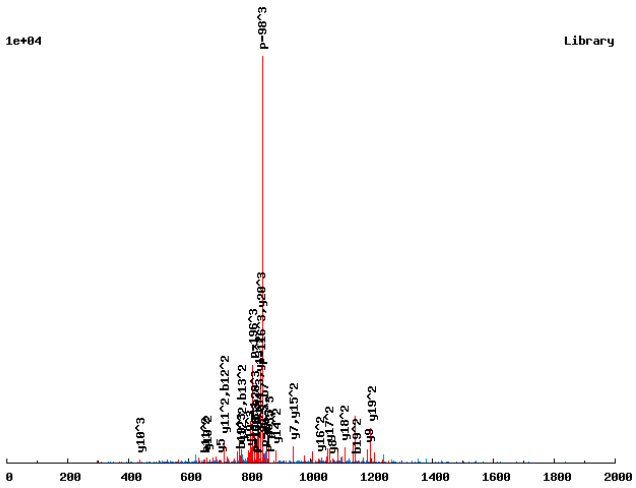


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
228.1343	114.5708	2	L	10	1306.5497	**653.7785**
395.1326	198.0700	3	S[167]	9	1193.4657	**597.2365**
509.1756	255.0914	4	N	8	**1026.4673**	513.7373
638.2182	319.6127	5	E	7	**912.4244**	456.7158
752.2611	376.6342	6	N	6	**783.3818**	392.1945
912.2917	456.6495	7	C[160]	5	**669.3389**	335.1731
999.3238	500.1655	8	S	4	509.3082	255.1577
1146.3922	573.6997	9	F	3	422.2762	211.6417
1274.4871	**637.7472**	10	K	2	275.2078	138.1075
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NLS$_{167}$NGS$_{167}$LNDINENEELQNFHR.K/3

0.958

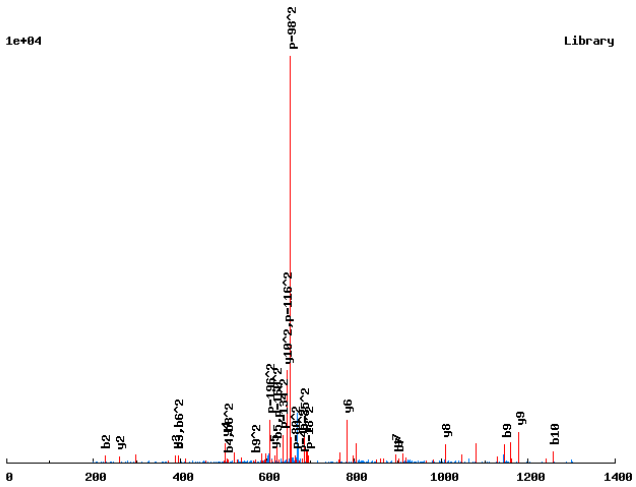


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	21			
228.1343	114.5708	76.7163	2	L	20	2503.0286	1252.0180	**835.0144**
395.1326	198.0700	132.3824	3	S[167]	19	2389.9446	**1195.4759**	**797.3197**
509.1756	255.0914	170.3967	4	N	18	2222.9462	**1111.9767**	741.6536
566.1970	283.6022	189.4039	5	G	17	2108.9033	**1054.9553**	703.6393
733.1954	367.1013	245.0700	6	S[167]	16	2051.8818	**1026.4446**	684.6321
846.2794	423.6434	282.7647	7	L	15	1884.8835	**942.9454**	628.9660
960.3224	480.6648	320.7790	8	N	14	1771.7994	**886.4033**	591.2713
1075.3493	538.1783	359.1213	9	D	13	1657.7565	**829.3819**	553.2570
1188.4334	594.7203	396.8160	10	I	12	1542.7295	**771.8684**	514.9147
1302.4763	**651.7418**	434.8303	11	N	11	1429.6455	**715.3264**	477.2200
1431.5189	**716.2631**	477.8445	12	E	10	1315.6025	**658.3049**	**439.2057**
1545.5618	**773.2846**	515.8588	13	N	9	**1186.5599**	593.7836	396.1915
1674.6044	837.8058	558.8730	14	E	8	**1072.5170**	536.7621	358.1772
1803.6470	902.3271	601.8872	15	E	7	**943.4744**	472.2409	315.1630
1916.7311	958.8692	639.5819	16	L	6	**814.4318**	407.7196	272.1488
2044.7896	1022.8985	682.2681	17	Q	5	**701.3478**	351.1775	234.4541
2158.8326	1079.9199	720.2824	18	N	4	573.2892	287.1482	191.7679
2305.9010	**1153.4541**	**769.3052**	19	F	3	459.2463	230.1268	153.7536
2442.9599	1221.9836	**814.9915**	20	H	2	312.1779	156.5926	104.7308
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NLS$_{167}$NLS$_{167}$LNEIK.E/2

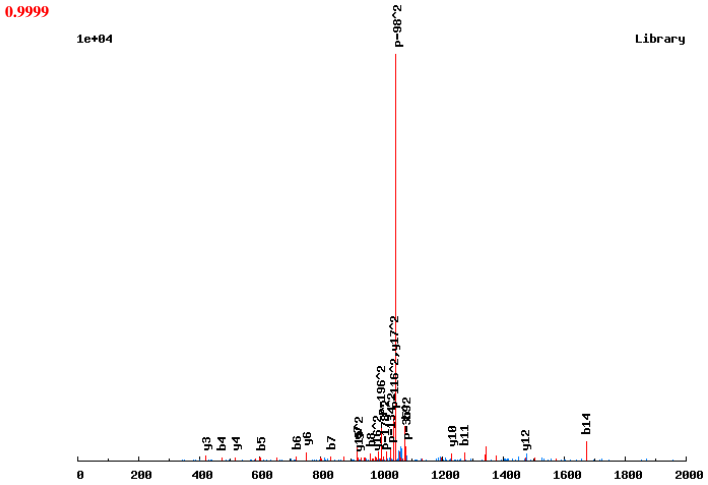
0.998



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
228.1343	114.5708	2	L	10	1290.5742	**645.7907**
395.1326	198.0700	3	S[167]	9	**1177.4902**	589.2487
509.1756	255.0914	4	N	8	**1010.4918**	505.7495
622.2596	311.6335	5	L	7	**896.4489**	448.7281
789.2580	**395.1326**	6	S[167]	6	**783.3648**	392.1860
902.3420	451.6747	7	L	5	**616.3664**	308.6869
1016.3850	**508.6961**	8	N	4	**503.2824**	252.1448
1145.4276	**573.2174**	9	E	3	**389.2394**	195.1234
1258.5116	629.7595	10	I	2	**260.1969**	130.6021
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NNDEEDDEDPVS$_{167}$PK$_{136}$PVS$_{167}$K$_{136}$.S/2

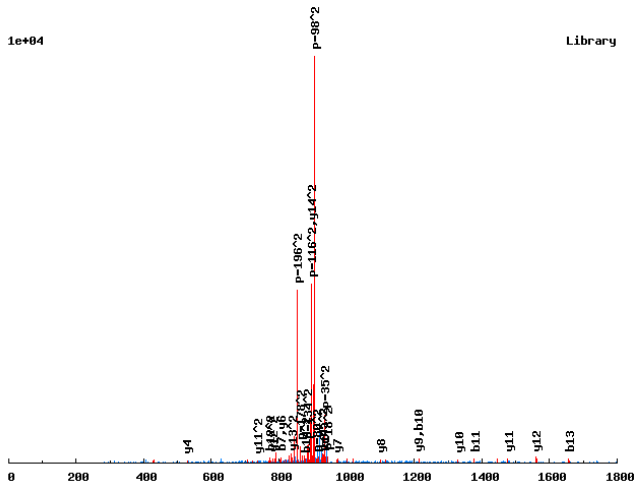


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	18		
229.0931	115.0502	2	N	17	2075.8064	**1038.4069**
344.1201	172.5637	3	D	16	1961.7635	**981.3854**
473.1627	237.0850	4	E	15	1846.7366	**923.8719**
602.2053	301.6063	5	E	14	1717.6940	859.3506
717.2322	359.1197	6	D	13	1588.6514	794.8293
832.2591	416.6332	7	D	12	**1473.6245**	737.3159
961.3017	481.1545	8	E	11	1358.5975	679.8024
1076.3287	538.6680	9	D	10	**1229.5549**	615.2811
1173.3814	587.1944	10	P	9	1114.5280	557.7676
1272.4498	636.7286	11	V	8	1017.4752	509.2413
1439.4482	720.2277	12	S[167]	7	**918.4068**	459.7070
1536.5010	768.7541	13	P	6	**751.4084**	376.2079
1672.6101	836.8087	14	K[136]	5	654.3557	327.6815
1769.6629	885.3351	15	P	4	**518.2465**	259.6269
1868.7313	934.8693	16	V	3	**421.1938**	211.1005
2035.7297	1018.3685	17	S[167]	2	322.1254	161.5663
		18	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.NNLSFNNKS$_{167}$NYS$_{167}$LTK.L/2

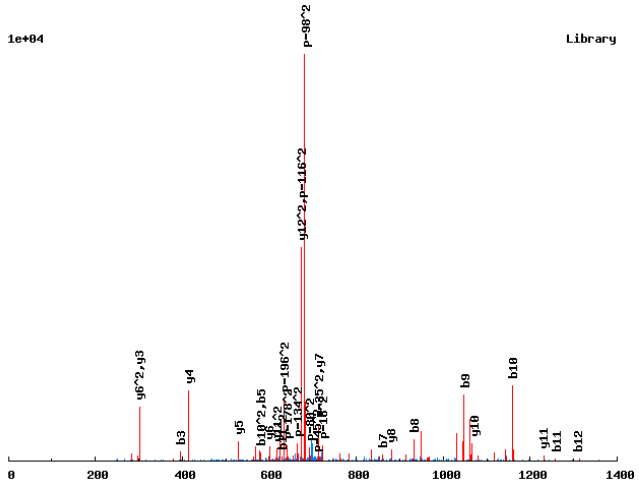
0.6832



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	15		
229.0931	115.0502	2	N	14	1789.7558	**895.3815**
342.1772	171.5922	3	L	13	1675.7128	**838.3601**
429.2092	215.1083	4	S	12	**1562.6288**	**781.8180**
576.2776	288.6425	5	F	11	**1475.5968**	**738.3020**
690.3206	345.6639	6	N	10	**1328.5283**	664.7678
804.3635	402.6854	7	N	9	**1214.4854**	607.7463
932.4585	466.7329	8	K	8	**1100.4425**	550.7249
1099.4568	550.2321	9	S[167]	7	**972.3475**	486.6774
1213.4998	607.2535	10	N	6	**805.3492**	403.1782
1376.5631	688.7852	11	Y	5	691.3062	346.1568
1543.5614	**772.2844**	12	S[167]	4	**528.2429**	264.6251
1656.6455	828.8264	13	L	3	361.2445	181.1259
1757.6932	**879.3502**	14	T	2	248.1605	124.5839
		15	K	1	147.1128	74.0600

K.NNS$_{167}$GKS$_{167}$LADLPGK.M/2

0.9998

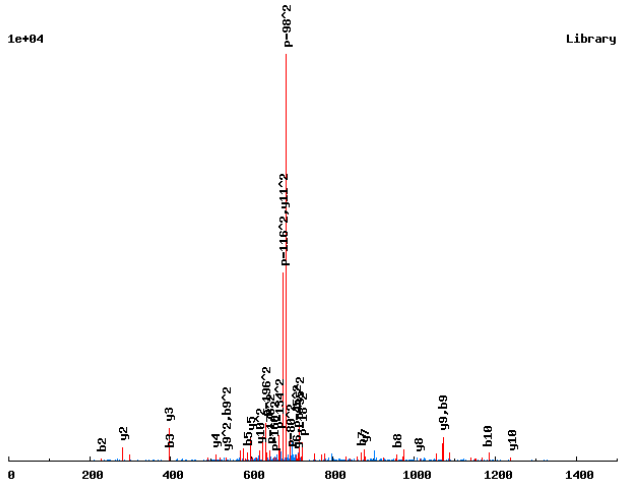


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	13		
229.0931	115.0502	2	N	12	1346.5753	**673.7913**
396.0915	198.5494	3	S[167]	11	**1232.5323**	**616.7698**
453.1130	227.0601	4	G	10	**1065.5340**	533.2706
581.2079	291.1076	5	K	9	1008.5125	504.7599
748.2063	374.6068	6	S[167]	8	**880.4176**	440.7124
861.2903	431.1488	7	L	7	**713.4192**	357.2132
932.3275	466.6674	8	A	6	**600.3351**	**300.6712**
1047.3544	524.1808	9	D	5	**529.2980**	265.1527
1160.4385	**580.7229**	10	L	4	**414.2711**	207.6392
1257.4912	**629.2492**	11	P	3	**301.1870**	151.0971
1314.5127	657.7600	12	G	2	204.1343	102.5708
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.NNS$_{167}$GK$_{136}$S$_{167}$LSDLPR$_{166}$.K/2

0.9902

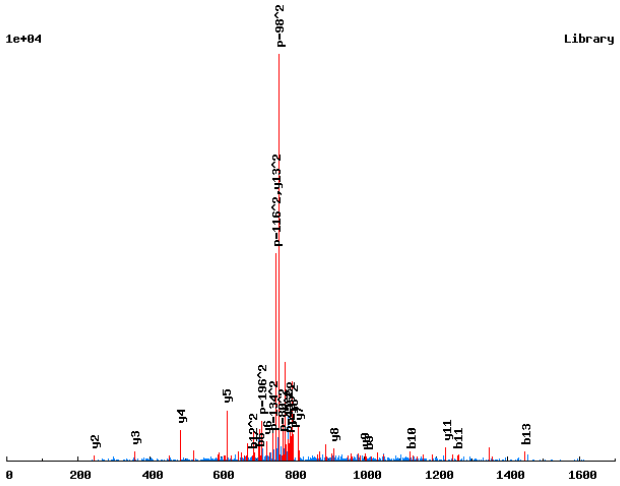


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	12		
229.0931	115.0502	2	N	11	1351.5773	**676.2923**
396.0915	198.5494	3	S[167]	10	**1237.5344**	**619.2708**
453.1130	227.0601	4	G	9	**1070.5360**	**535.7717**
589.2221	295.1147	5	K[136]	8	**1013.5146**	507.2609
756.2205	378.6139	6	S[167]	7	**877.4054**	439.2064
869.3045	435.1559	7	L	6	**710.4071**	355.7072
956.3366	478.6719	8	S	5	**597.3230**	299.1651
1071.3635	**536.1854**	9	D	4	**510.2910**	255.6491
1184.4476	592.7274	10	L	3	**395.2640**	198.1357
1281.5003	641.2538	11	P	2	**282.1800**	141.5936
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.NNS$_{167}$GS$_{167}$SVSLQQLAR.N/2

0.9934

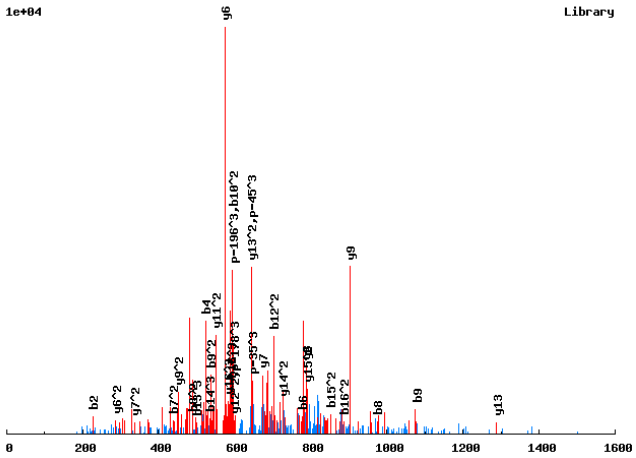


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	14		
229.0931	115.0502	2	N	13	1506.6349	**753.8211**
396.0915	198.5494	3	S[167]	12	1392.5920	696.7996
453.1130	227.0601	4	G	11	**1225.5936**	613.3005
620.1113	310.5593	5	S[167]	10	1168.5722	584.7897
707.1434	354.0753	6	S	9	**1001.5738**	501.2905
806.2118	403.6095	7	V	8	**914.5418**	457.7745
893.2438	447.1255	8	S	7	**815.4734**	408.2403
1006.3279	503.6676	9	L	6	**728.4413**	364.7243
1134.3864	567.6969	10	Q	5	**615.3573**	308.1823
1262.4450	631.7261	11	Q	4	**487.2987**	244.1530
1375.5291	**688.2682**	12	L	3	**359.2401**	180.1237
1446.5662	723.7867	13	A	2	**246.1561**	123.5817
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NNS$_{167}$KS$_{167}$STPVNDVPTTAGK.K/3

0.745

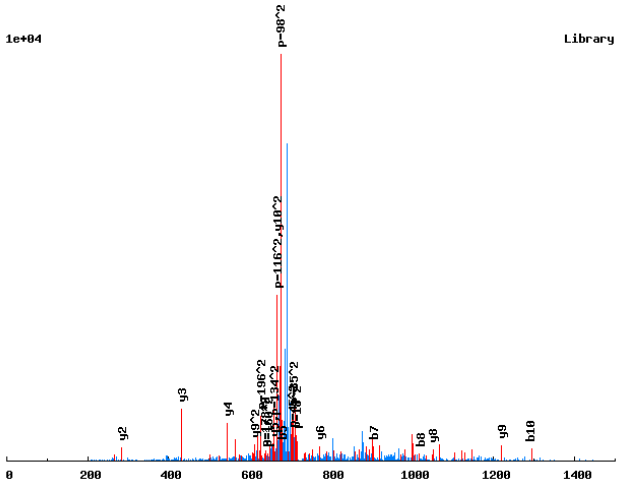


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	18			
229.0931	115.0502	77.0359	2	N	17	1862.7933	931.9003	621.6026
396.0915	198.5494	132.7020	3	S[167]	16	1748.7503	874.8788	**583.5883**
524.1865	262.5969	175.4003	4	K	15	1581.7520	**791.3796**	527.9222
691.1848	346.0961	231.0665	5	S[167]	14	1453.6570	**727.3321**	485.2239
778.2169	389.6121	260.0771	6	S	13	**1286.6586**	**643.8330**	429.5577
879.2645	**440.1359**	293.7597	7	T	12	1199.6266	**600.3170**	400.5471
976.3173	**488.6623**	326.1106	8	P	11	1098.5789	**549.7931**	366.8645
1075.3857	**538.1965**	359.1334	9	V	10	1001.5262	501.2667	334.5136
1189.4286	**595.2180**	397.1477	10	N	9	**902.4578**	**451.7325**	301.4908
1304.4556	652.7314	435.4900	11	D	8	**788.4148**	394.7111	263.4765
1403.5240	**702.2656**	468.5128	12	V	7	**673.3879**	**337.1976**	225.1342
1500.5767	750.7920	**500.8638**	13	P	6	**574.3195**	**287.6634**	192.1114
1601.6244	801.3159	**534.5463**	14	T	5	477.2667	239.1370	159.7604
1702.6721	**851.8397**	568.2289	15	T	4	376.2190	188.6132	126.0779
1773.7092	**887.3582**	**591.9079**	16	A	3	275.1714	138.0893	92.3953
1830.7307	915.8690	610.9151	17	G	2	204.1343	102.5708	68.7163
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NNS$_{167}$NS$_{167}$NLLFEK$_{136}$.N/2

0.8732

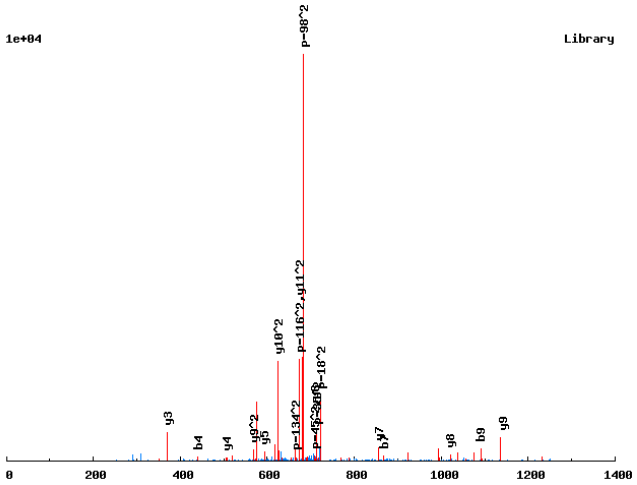


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
229.0931	115.0502	2	N	10	1333.5316	**667.2695**
396.0915	198.5494	3	S[167]	9	**1219.4887**	**610.2480**
510.1344	255.5709	4	N	8	**1052.4903**	526.7488
677.1328	339.0700	5	S[167]	7	938.4474	469.7273
791.1757	396.0915	6	N	6	**771.4490**	386.2282
904.2598	452.6335	7	L	5	**657.4061**	329.2067
1017.3438	509.1756	8	L	4	**544.3221**	272.6647
1164.4123	582.7098	9	F	3	**431.2380**	216.1226
1293.4548	647.2311	10	E	2	**284.1696**	142.5884
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.NPNLS$_{167}$FDSHPPR.V/2

0.9993

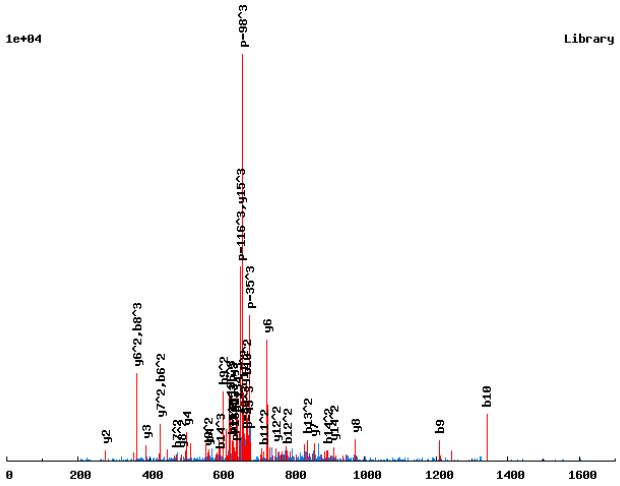


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	12		
212.1030	106.5551	2	P	11	1346.5889	**673.7981**
326.1459	163.5766	3	N	10	1249.5361	**625.2717**
439.2300	220.1186	4	L	9	**1135.4932**	**568.2502**
606.2283	303.6178	5	S[167]	8	**1022.4091**	511.7082
753.2967	377.1520	6	F	7	**855.4108**	428.2090
868.3237	434.6655	7	D	6	**708.3424**	354.6748
955.3557	478.1815	8	S	5	**593.3154**	297.1613
1092.4146	546.7109	9	H	4	**506.2834**	253.6453
1189.4674	595.2373	10	P	3	**369.2245**	185.1159
1286.5201	643.7637	11	P	2	272.1717	136.5895
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NQS$_{167}$RT$_{181}$NSFDMPQLNTR.T/3

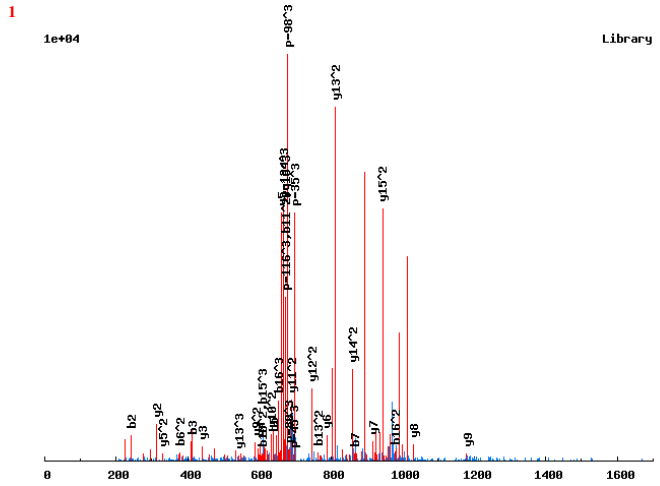
0.9941



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	16			
243.1088	122.0580	81.7078	2	Q	15	1954.7878	977.8976	**652.2675**
410.1072	205.5572	137.3739	3	S[167]	14	1826.7292	**913.8683**	609.5813
566.2083	283.6078	189.4076	4	R	13	1659.7309	830.3691	553.9151
747.2223	374.1148	249.7456	5	T[181]	12	1503.6298	**752.3185**	501.8814
861.2652	**431.1362**	287.7599	6	N	11	1322.6158	**661.8115**	441.5434
948.2972	**474.6523**	316.7706	7	S	10	1208.5728	604.7901	403.5291
1095.3656	548.1865	**365.7934**	8	F	9	1121.5408	**561.2740**	374.5185
1210.3926	**605.6999**	404.1357	9	D	8	**974.4724**	**487.7398**	325.4957
1341.4331	**671.2202**	447.8159	10	M	7	**859.4455**	**430.2264**	287.1533
1438.4858	**719.7466**	480.1668	11	P	6	**728.4050**	**364.7061**	243.4732
1566.5444	**783.7758**	522.8530	12	Q	5	**631.3522**	316.1797	211.1223
1679.6285	**840.3179**	560.5477	13	L	4	**503.2936**	252.1504	168.4361
1793.6714	**897.3393**	**598.5620**	14	N	3	**390.2096**	195.6084	130.7414
1894.7191	947.8632	**632.2445**	15	T	2	**276.1666**	138.5870	92.7271
			16	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NQS$_{167}$VEDLSFLEQGYQHR.Y/3

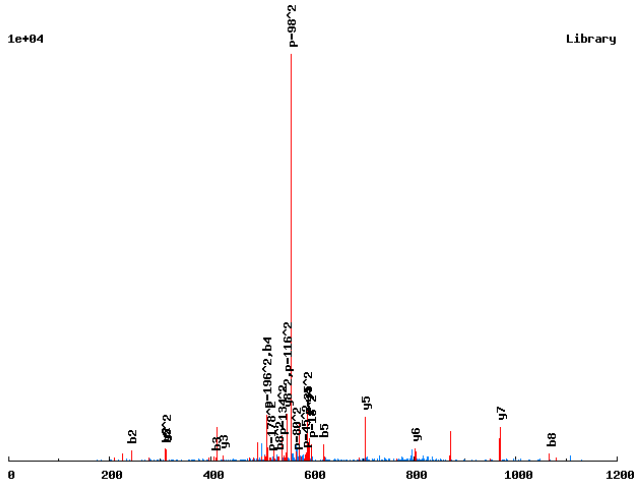


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	17			
243.1088	122.0580	81.7078	2	Q	16	2015.8858	1008.4466	**672.6335**
410.1072	205.5572	137.3739	3	S[167]	15	1887.8273	**944.4173**	629.9473
509.1756	255.0914	170.3967	4	V	14	1720.8289	**860.9181**	574.2812
638.2182	319.6127	213.4109	5	E	13	1621.7605	**811.3839**	**541.2584**
753.2451	**377.1262**	251.7532	6	D	12	1492.7179	**746.8626**	498.2442
866.3292	433.6682	289.4479	7	L	11	1377.6910	**689.3491**	459.9018
953.3612	477.1842	318.4586	8	S	10	1264.6069	**632.8071**	422.2072
1100.4296	550.7184	367.4814	9	F	9	**1177.5749**	**589.2911**	393.1965
1213.5137	**607.2605**	405.1761	10	L	8	**1030.5065**	515.7569	344.1737
1342.5562	**671.7818**	448.1903	11	E	7	**917.4224**	459.2148	306.4790
1470.6148	735.8111	490.8765	12	Q	6	**788.3798**	394.6935	263.4648
1527.6363	**764.3218**	509.8836	13	G	5	**660.3212**	**330.6643**	220.7786
1690.6996	845.8534	564.2381	14	Y	4	**603.2998**	302.1535	201.7714
1818.7582	909.8827	**606.9243**	15	Q	3	**440.2364**	220.6219	147.4170
1955.8171	**978.4122**	**652.6106**	16	H	2	**312.1779**	156.5926	104.7308
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NQS$_{167}$VLS$_{167}$LYK.T/2

0.9974

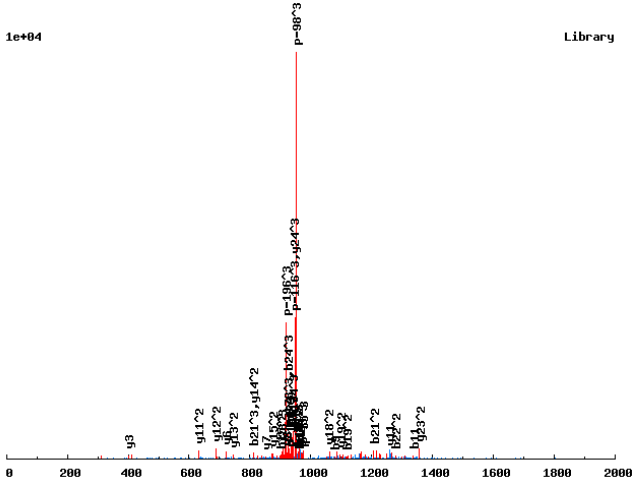


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	9		
243.1088	122.0580	2	Q	8	1097.4680	**549.2376**
410.1072	205.5572	3	S[167]	7	**969.4094**	485.2083
509.1756	255.0914	4	V	6	**802.4110**	401.7092
622.2596	**311.6335**	5	L	5	**703.3426**	352.1749
789.2580	395.1326	6	S[167]	4	**590.2586**	295.6329
902.3420	451.6747	7	L	3	**423.2602**	212.1337
1065.4054	**533.2063**	8	Y	2	**310.1761**	155.5917
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.NQS$_{167}$VS$_{167}$ASEDEKEILNNNAEGHKPQR.L/3

0.8784

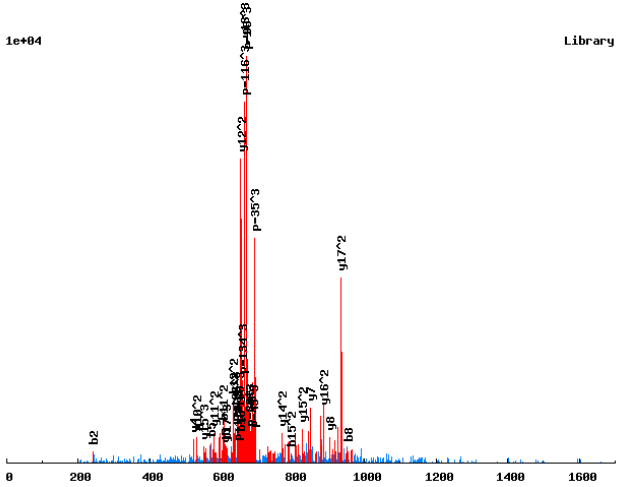


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	25			
243.1088	122.0580	81.7078	2	Q	24	2840.2248	1420.6160	**947.4131**
410.1072	205.5572	137.3739	3	S[167]	23	2712.1662	**1356.5867**	**904.7269**
509.1756	255.0914	170.3967	4	V	22	2545.1678	1273.0875	849.0608
676.1739	338.5906	226.0628	5	S[167]	21	2446.0994	1223.5533	816.0380
747.2110	374.1092	249.7419	6	A	20	2279.1010	1140.0542	760.3719
834.2431	417.6252	278.7525	7	S	19	2208.0639	**1104.5356**	736.6928
963.2857	482.1465	321.7667	8	E	18	2121.0319	**1061.0196**	707.6822
1078.3126	539.6599	360.1091	9	D	17	1991.9893	996.4983	664.6680
1207.3552	604.1812	403.1232	10	E	16	1876.9624	**938.9848**	626.3256
1335.4501	668.2287	445.8216	11	K	15	1747.9198	**874.4635**	583.3114
1464.4927	732.7500	488.8358	12	E	14	1619.8248	**810.4160**	540.6131
1577.5768	789.2920	526.5305	13	I	13	1490.7822	**745.8948**	497.5989
1690.6609	845.8341	564.2251	14	L	12	1377.6982	**689.3527**	459.9042
1804.7038	**902.8555**	602.2394	15	N	11	**1264.6141**	**632.8107**	422.2096
1918.7467	**959.8770**	640.2538	16	N	10	1150.5712	575.7892	384.1952
2032.7896	1016.8985	678.2681	17	N	9	1036.5283	518.7678	346.1809
2103.8268	1052.4170	701.9471	18	A	8	**922.4853**	461.7463	308.1666
2232.8693	**1116.9383**	744.9613	19	E	7	**851.4482**	426.2277	284.4876
2289.8908	1145.4490	763.9685	20	G	6	**722.4056**	361.7065	241.4734
2426.9497	**1213.9785**	**809.6548**	21	H	5	665.3842	333.1957	222.4662
2555.0447	**1278.0260**	852.3531	22	K	4	528.3253	264.6663	176.7799
2652.0974	1326.5524	884.7040	23	P	3	**400.2303**	200.6188	134.0816
2780.1560	1390.5816	**927.3902**	24	Q	2	303.1775	152.0924	101.7307
			25	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NQTDLK$_{136}$PFPSAGS$_{167}$ASSS$_{167}$IK$_{136}$.T/3

0.998

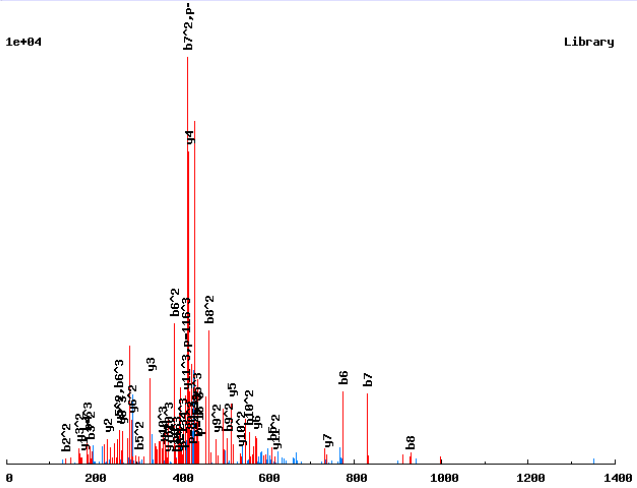


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
243.1088	122.0580	81.7078	2	Q	18	1996.8999	998.9536	**666.3048**
344.1565	172.5819	115.3903	3	T	17	1868.8413	**934.9243**	623.6186
459.1834	230.0953	153.7327	4	D	16	1767.7936	**884.4005**	589.9361
572.2675	286.6374	191.4273	5	L	15	1652.7667	**826.8870**	**551.5938**
708.3766	354.6920	236.7971	6	K[136]	14	1539.6826	**770.3450**	513.8991
805.4294	403.2183	269.1480	7	P	13	1403.5735	702.2904	468.5293
952.4978	476.7525	318.1708	8	F	12	1306.5207	**653.7640**	436.1784
1049.5506	525.2789	350.5217	9	P	11	1159.4523	**580.2298**	387.1556
1136.5826	568.7949	379.5324	10	S	10	1062.3996	**531.7034**	354.8047
1207.6197	**604.3135**	403.2114	11	A	9	975.3675	488.1874	325.7940
1264.6412	**632.8242**	422.2186	12	G	8	**904.3304**	452.6688	302.1150
1431.6395	716.3234	477.8847	13	S[167]	7	**847.3090**	424.1581	283.1078
1502.6766	751.8420	501.5637	14	A	6	**680.3106**	340.6589	227.4417
1589.7087	**795.3580**	530.5744	15	S	5	**609.2735**	305.1404	203.7627
1676.7407	838.8740	559.5851	16	S	4	**522.2415**	261.6244	174.7520
1843.7391	922.3732	**615.2512**	17	S[167]	3	435.2094	218.1083	145.7413
1956.8231	978.9152	**652.9459**	18	I	2	268.2111	134.6092	90.0752
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.NRDS$_{167}$GYGVSVGR.I/3

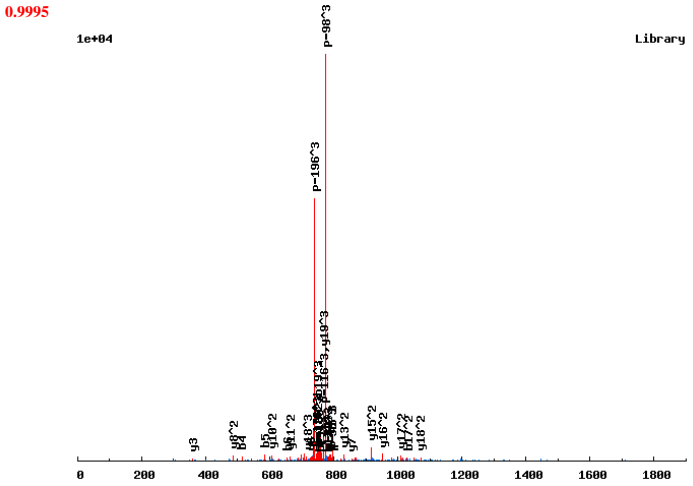
0.8684



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	12			
271.1513	**136.0793**	91.0553	2	R	11	1232.5419	**616.7746**	**411.5188**
386.1783	**193.5928**	129.3976	3	D	10	1076.4408	**538.7240**	**359.4851**
553.1766	277.0920	**185.0637**	4	S[167]	9	961.4139	**481.2106**	321.1428
610.1981	**305.6027**	204.0709	5	G	8	794.4155	**397.7114**	**265.4767**
773.2614	**387.1343**	**258.4253**	6	Y	7	**737.3941**	**369.2007**	246.4695
830.2829	**415.6451**	277.4325	7	G	6	**574.3307**	**287.6690**	192.1151
929.3513	**465.1793**	310.4553	8	V	5	**517.3093**	**259.1583**	173.1079
1016.3833	**508.6953**	339.4660	9	S	4	**418.2408**	209.6241	140.0851
1115.4517	**558.2295**	**372.4888**	10	V	3	**331.2088**	**166.1080**	111.0745
1172.4732	586.7402	**391.4959**	11	G	2	**232.1404**	116.5738	78.0517
			12	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NRELAAVS$_{167}$S$_{167}$DEDNEDHDIAR.A/3

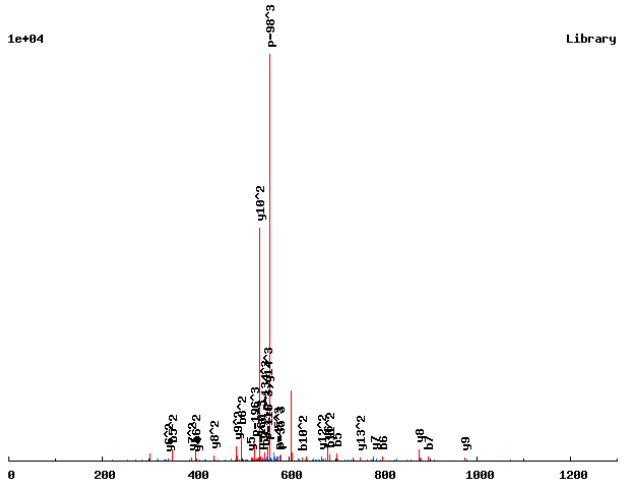


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	20			
271.1513	136.0793	91.0553	2	R	19	2301.9020	1151.4546	**767.9722**
400.1939	200.6006	134.0695	3	E	18	2145.8009	**1073.4041**	**715.9385**
513.2780	257.1426	171.7642	4	L	17	2016.7583	**1008.8828**	672.9243
584.3151	292.6612	195.4432	5	A	16	1903.6743	**952.3408**	635.2296
655.3522	328.1797	219.1223	6	A	15	1832.6371	**916.8222**	611.5506
754.4206	377.7139	252.1451	7	V	14	1761.6000	881.3037	587.8715
921.4190	461.2131	307.8112	8	S[167]	13	1662.5316	**831.7695**	554.8487
1088.4173	544.7123	363.4773	9	S[167]	12	1495.5333	**748.2703**	499.1826
1203.4443	602.2258	401.8196	10	D	11	1328.5349	**664.7711**	443.5165
1332.4869	666.7471	444.8338	11	E	10	1213.5080	**607.2576**	405.1742
1447.5138	724.2605	483.1761	12	D	9	1084.4654	542.7363	362.1600
1561.5567	**781.2820**	521.1904	13	N	8	969.4384	**485.2229**	323.8177
1690.5993	845.8033	564.2046	14	E	7	**855.3955**	428.2014	285.8034
1805.6263	903.3168	602.5469	15	D	6	**726.3529**	363.6801	242.7892
1942.6852	971.8462	648.2332	16	H	5	611.3260	306.1666	204.4468
2057.7121	**1029.3597**	686.5756	17	D	4	474.2671	237.6372	158.7605
2170.7962	1085.9017	724.2702	18	I	3	**359.2401**	180.1237	120.4182
2241.8333	1121.4203	**747.9493**	19	A	2	246.1561	123.5817	82.7235
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NRS$_{167}$PS$_{167}$PPPVYDAQGK.R/3

0.9999

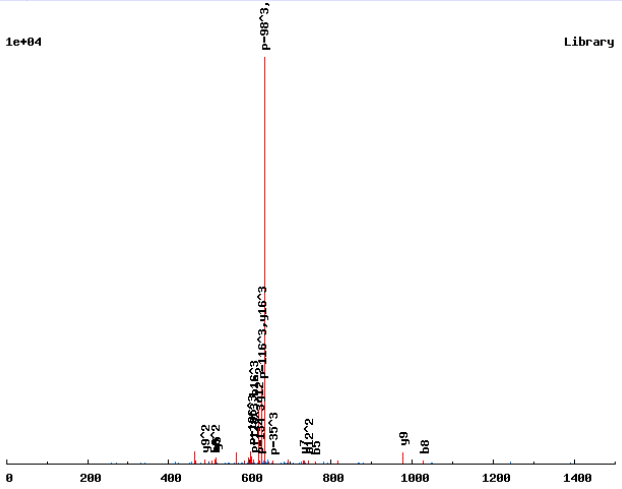


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	15			
271.1513	136.0793	91.0553	2	R	14	1658.6975	829.8524	**553.5707**
438.1497	219.5785	146.7214	3	S[167]	13	1502.5964	**751.8018**	501.5370
535.2024	268.1049	179.0723	4	P	12	1335.5980	**668.3027**	445.8709
702.2008	**351.6040**	234.7385	5	S[167]	11	1238.5453	619.7763	413.5199
799.2536	**400.1304**	267.0894	6	P	10	1071.5469	**536.2771**	357.8538
896.3063	448.6568	299.4403	7	P	9	**974.4942**	**487.7507**	325.5029
993.3591	**497.1832**	331.7912	8	P	8	**877.4414**	**439.2243**	293.1520
1092.4275	**546.7174**	364.8140	9	V	7	**780.3886**	**390.6980**	260.8011
1255.4908	**628.2491**	419.1685	10	Y	6	**681.3202**	**341.1638**	227.7783
1370.5178	**685.7625**	457.5108	11	D	5	**518.2569**	259.6321	173.4238
1441.5549	721.2811	481.1898	12	A	4	**403.2299**	202.1186	135.0815
1569.6135	785.3104	523.8760	13	Q	3	332.1928	166.6001	111.4025
1626.6349	813.8211	542.8832	14	G	2	204.1343	102.5708	68.7163
			15	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NRS$_{167}$RS$_{167}$PPAPFSQPSTGR.K/3

0.9959

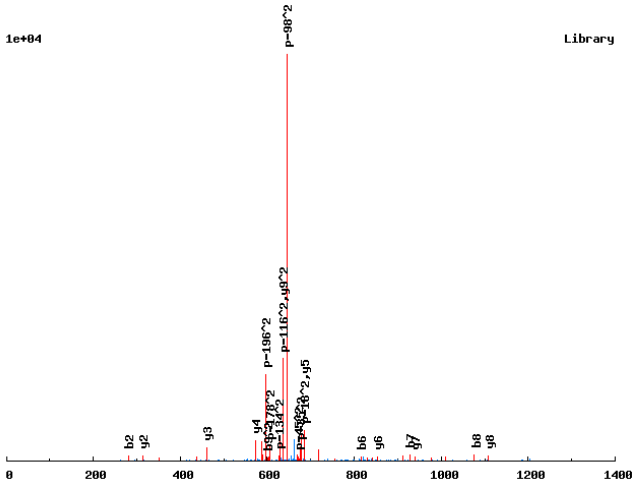


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	17			
271.1513	136.0793	91.0553	2	R	16	1887.8262	944.4168	**629.9469**
438.1497	219.5785	146.7214	3	S[167]	15	1731.7251	866.3662	577.9132
594.2508	297.6290	198.7551	4	R	14	1564.7268	782.8670	522.2471
761.2492	381.1282	254.4212	5	S[167]	13	1408.6257	704.8165	470.2134
858.3019	429.6546	286.7722	6	P	12	1241.6273	**621.3173**	414.5473
955.3547	478.1810	319.1231	7	P	11	1144.5745	572.7909	382.1964
1026.3918	**513.6995**	342.8021	8	A	10	1047.5218	524.2645	349.8454
1123.4445	562.2259	375.1530	9	P	9	**976.4847**	**488.7460**	326.1664
1270.5130	**635.7601**	424.1758	10	F	8	879.4319	440.2196	293.8155
1357.5450	679.2761	453.1865	11	S	7	**732.3635**	366.6854	244.7927
1485.6036	**743.3054**	495.8727	12	Q	6	645.3315	323.1694	215.7820
1582.6563	791.8318	528.2236	13	P	5	**517.2729**	259.1401	173.0958
1669.6884	835.3478	557.2343	14	S	4	420.2201	210.6137	140.7449
1770.7360	885.8717	590.9169	15	T	3	333.1881	167.0977	111.7342
1827.7575	914.3824	**609.9240**	16	G	2	232.1404	116.5738	78.0517
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NR$_{166}$S$_{167}$SS$_{167}$ILFQR$_{166}$.Q/2

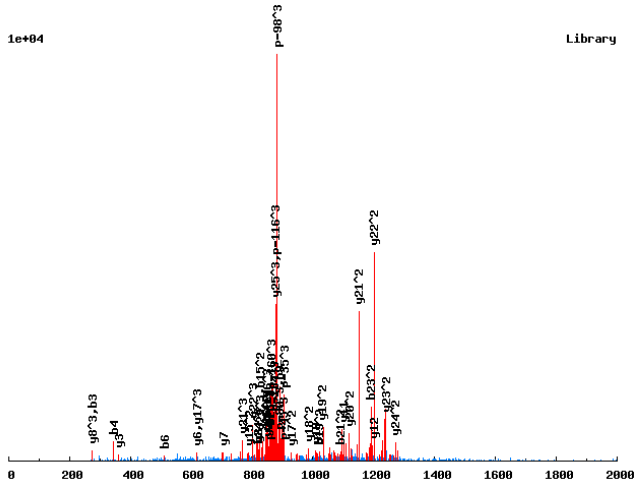
0.959



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	10		
281.1596	141.0834	2	R[166]	9	1273.5605	**637.2839**
448.1579	224.5826	3	S[167]	8	**1107.4511**	554.2292
535.1900	268.0986	4	S	7	**940.4527**	470.7300
702.1883	351.5978	5	S[167]	6	**853.4207**	427.2140
815.2724	408.1398	6	I	5	**686.4223**	343.7148
928.3565	464.6819	7	L	4	**573.3383**	287.1728
1075.4249	538.2161	8	F	3	**460.2542**	230.6307
1203.4835	**602.2454**	9	Q	2	**313.1858**	157.0965
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NSAAPAS$_{167}$PLS$_{167}$NEHITSSTNSGSDANR.Q/3

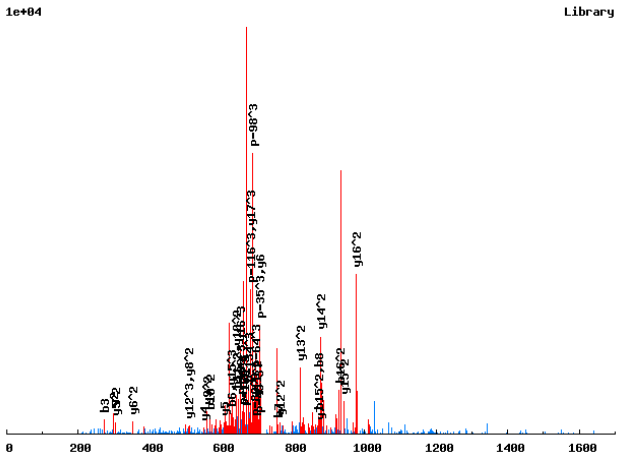


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	26			
202.0822	101.5448	68.0323	2	S	25	2631.0720	1316.0396	**877.6955**
273.1193	137.0633	91.7113	3	A	24	2544.0399	**1272.5236**	**848.6848**
344.1565	172.5819	115.3903	4	A	23	2473.0028	**1237.0050**	**825.0058**
441.2092	221.1082	147.7413	5	P	22	2401.9657	**1201.4865**	**801.3268**
512.2463	256.6268	171.4203	6	A	21	2304.9129	**1152.9601**	**768.9758**
679.2447	340.1260	227.0864	7	S[167]	20	2233.8758	**1117.4416**	745.2968
776.2975	388.6524	259.4373	8	P	19	2066.8775	**1033.9424**	689.6307
889.3815	445.1944	297.1320	9	L	18	1969.8247	**985.4160**	657.2798
1056.3799	528.6936	352.7981	10	S[167]	17	1856.7407	**928.8740**	**619.5851**
1170.4228	585.7150	390.8125	11	N	16	1689.7423	**845.3748**	563.9189
1299.4654	650.2363	433.8267	12	E	15	1575.6994	**788.3533**	525.9046
1436.5243	718.7658	479.5130	13	H	14	1446.6568	723.8320	482.8904
1549.6084	775.3078	517.2076	14	I	13	1309.5979	655.3026	437.2041
1650.6560	**825.8317**	550.8902	15	T	12	**1196.5138**	598.7605	399.5095
1737.6881	869.3477	579.9009	16	S	11	**1095.4661**	548.2367	365.8269
1824.7201	912.8637	608.9116	17	S	10	**1008.4341**	504.7207	336.8162
1925.7678	963.3875	642.5941	18	T	9	921.4021	461.2047	307.8055
2039.8107	**1020.4090**	680.6084	19	N	8	**820.3544**	410.6808	**274.1230**
2126.8427	1063.9250	709.6191	20	S	7	**706.3115**	353.6594	236.1087
2183.8642	**1092.4357**	728.6263	21	G	6	**619.2794**	310.1434	207.0980
2270.8962	1135.9518	757.6369	22	S	5	562.2580	281.6326	188.0908
2385.9232	**1193.4652**	795.9792	23	D	4	475.2259	238.1166	159.0802
2456.9603	1228.9838	**819.6583**	24	A	3	**360.1990**	180.6031	120.7378
2571.0032	1286.0052	**857.6726**	25	N	2	289.1619	145.0846	97.0588
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.NSAQDLENS$_{167}$PM$_{147}$S$_{167}$VGK$_{136}$DNR$_{166}$.N/3

0.9627

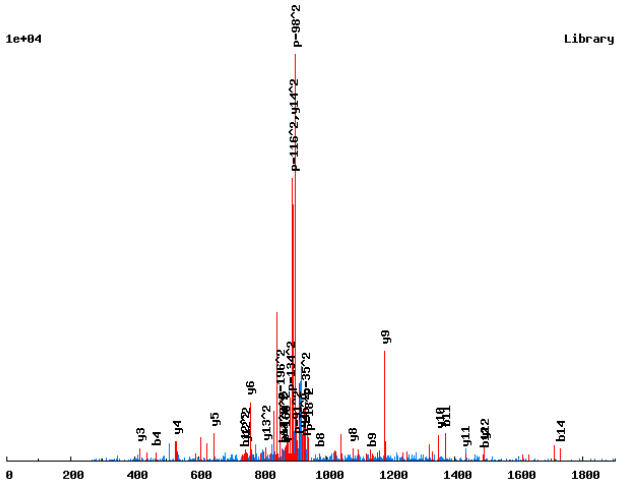


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	18			
202.0822	101.5448	68.0323	2	S	17	2041.8052	1021.4063	**681.2733**
273.1193	137.0633	91.7113	3	A	16	1954.7732	**977.8902**	**652.2626**
401.1779	201.0926	134.3975	4	Q	15	1883.7361	**942.3717**	**628.5836**
516.2049	258.6061	172.7398	5	D	14	1755.6775	**878.3424**	585.8974
629.2889	315.1481	210.4345	6	L	13	1640.6506	**820.8289**	547.5550
758.3315	379.6694	253.4487	7	E	12	1527.5665	**764.2869**	**509.8604**
872.3745	436.6909	291.4630	8	N	11	1398.5239	**699.7656**	466.8462
1039.3728	520.1900	347.1291	9	S[167]	10	1284.4810	**642.7441**	428.8319
1136.4256	**568.7164**	379.4800	10	P	9	1117.4826	**559.2450**	373.1657
1283.4610	**642.2341**	428.4918	11	M[147]	8	1020.4299	**510.7186**	340.8148
1450.4593	725.7333	484.1580	12	S[167]	7	**873.3945**	437.2009	291.8030
1549.5277	775.2675	517.1808	13	V	6	**706.3961**	**353.7017**	236.1369
1606.5492	803.7782	536.1879	14	G	5	**607.3277**	**304.1675**	203.1141
1742.6584	**871.8328**	581.5576	15	K[136]	4	**550.3062**	275.6568	184.1069
1857.6853	**929.3463**	619.9000	16	D	3	414.1971	207.6022	138.7372
1971.7282	986.3678	657.9143	17	N	2	**299.1701**	150.0887	100.3949
			18	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.NS$_{167}$EGSS$_{167}$PC$_{160}$YNDDQIR.Q/2

0.9994

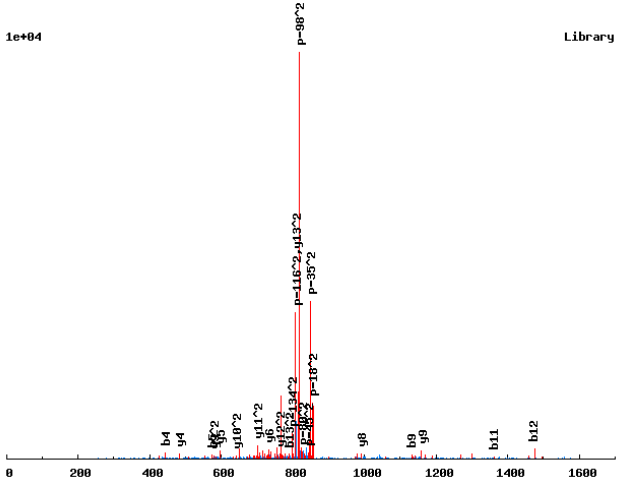


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	15		
282.0486	141.5279	2	S[167]	14	1787.5979	**894.3026**
411.0912	206.0492	3	E	13	1620.5996	**810.8034**
468.1126	234.5600	4	G	12	**1491.5570**	**746.2821**
555.1447	278.0760	5	S	11	**1434.5355**	717.7714
722.1430	361.5751	6	S[167]	10	**1347.5035**	674.2554
819.1958	410.1015	7	P	9	**1180.5051**	590.7562
979.2264	490.1169	8	C[160]	8	**1083.4524**	542.2298
1142.2898	571.6485	9	Y	7	**923.4217**	462.2145
1256.3327	628.6700	10	N	6	**760.3584**	380.6828
1371.3596	686.1835	11	D	5	**646.3155**	323.6614
1486.3866	**743.6969**	12	D	4	**531.2885**	266.1479
1614.4451	807.7262	13	Q	3	**416.2616**	208.6344
1727.5292	**864.2682**	14	I	2	288.2030	144.6051
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.NSELES$_{167}$QEK$_{136}$NNLTK$_{136}$.S/2

0.9921

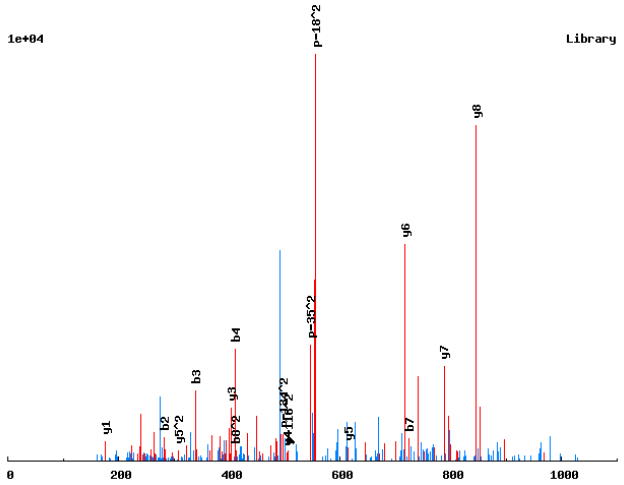


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	14		
202.0822	101.5448	2	S	13	1615.7546	**808.3809**
331.1248	166.0661	3	E	12	1528.7225	**764.8649**
444.2089	222.6081	4	L	11	1399.6799	**700.3436**
573.2515	287.1294	5	E	10	1286.5959	**643.8016**
740.2498	370.6286	6	S[167]	9	**1157.5533**	**579.2803**
868.3084	434.6579	7	Q	8	**990.5549**	495.7811
997.3510	499.1791	8	E	7	862.4963	431.7518
1133.4602	567.2337	9	K[136]	6	**733.4538**	367.2305
1247.5031	624.2552	10	N	5	**597.3446**	299.1759
1361.5460	681.2767	11	N	4	**483.3017**	242.1545
1474.6301	737.8187	12	L	3	369.2587	185.1330
1575.6778	**788.3425**	13	T	2	256.1747	128.5910
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.NS$_{167}$GATIVVER.I/2

0.7371

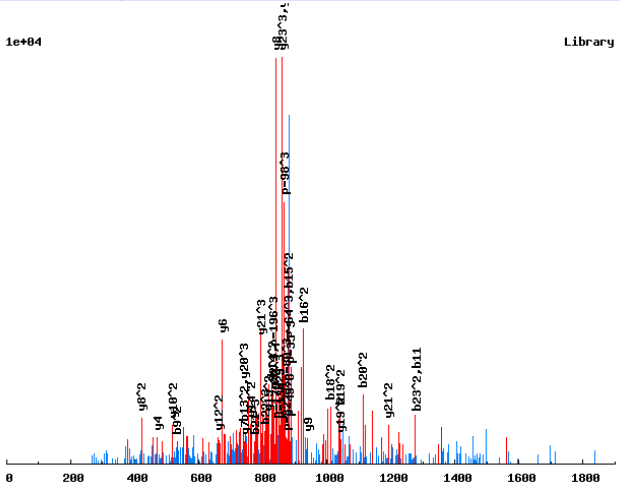


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	10		
282.0486	141.5279	2	S[167]	9	1011.4870	506.2472
339.0700	170.0387	3	G	8	**844.4887**	422.7480
410.1071	205.5572	4	A	7	**787.4672**	394.2372
511.1548	256.0811	5	T	6	**716.4301**	358.7187
624.2389	312.6231	6	I	5	**615.3824**	**308.1949**
723.3073	362.1573	7	V	4	**502.2984**	251.6528
822.3757	**411.6915**	8	V	3	**403.2299**	202.1186
951.4183	476.2128	9	E	2	304.1615	152.5844
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.NSIS$_{167}$QHDLSNVTTT$_{181}$PVPAGM$_{147}$PPQK.D/3

0.9328

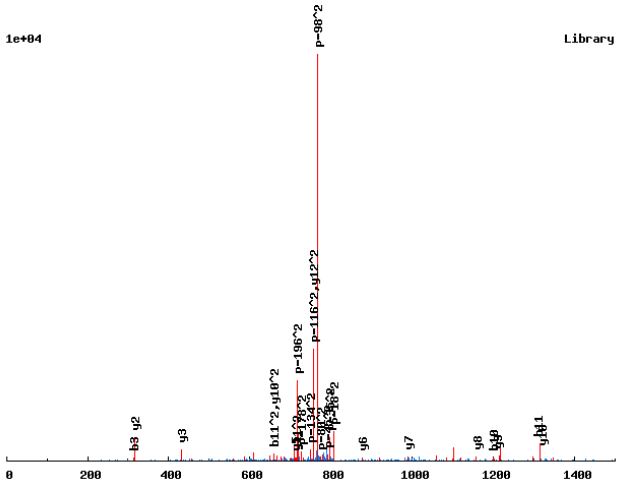


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	24			
202.0822	101.5448	68.0323	2	S	23	2581.1405	1291.0739	**861.0517**
315.1663	158.0868	105.7270	3	I	22	2494.1085	1247.5579	**832.0410**
482.1647	241.5860	161.3931	4	S[167]	21	2381.0244	**1191.0158**	**794.3463**
610.2232	305.6153	204.0793	5	Q	20	2214.0260	1107.5167	**738.6802**
747.2822	374.1447	249.7656	6	H	19	2085.9675	**1043.4874**	695.9940
862.3091	431.6582	288.1079	7	D	18	1948.9085	974.9579	650.3077
975.3932	488.2002	325.8026	8	L	17	1833.8816	917.4444	611.9654
1062.4252	**531.7162**	354.8132	9	S	16	1720.7975	**860.9024**	574.2707
1176.4681	588.7377	392.8276	10	N	15	1633.7655	**817.3864**	545.2600
1275.5365	638.2719	425.8504	11	V	14	1519.7226	**760.3649**	507.2457
1376.5842	688.7957	459.5329	12	T	13	1420.6542	710.8307	474.2229
1477.6319	**739.3196**	493.2155	13	T	12	1319.6065	**660.3069**	440.5404
1658.6459	**829.8266**	553.5535	14	T[181]	11	1218.5588	609.7830	406.8578
1755.6987	**878.3530**	585.9044	15	P	10	1037.5448	**519.2760**	346.5198
1854.7671	**927.8872**	618.9272	16	V	9	**940.4920**	470.7497	314.1689
1951.8198	976.4136	651.2781	17	P	8	**841.4236**	**421.2155**	281.1461
2022.8569	**1011.9321**	674.9572	18	A	7	**744.3709**	372.6891	248.7951
2079.8784	**1040.4428**	693.9643	19	G	6	**673.3338**	337.1705	225.1161
2226.9138	**1113.9605**	742.9761	20	M[147]	5	616.3123	308.6598	206.1090
2323.9666	1162.4869	**775.3270**	21	P	4	**469.2769**	235.1421	157.0972
2421.0193	1211.0133	**807.6780**	22	P	3	372.2241	186.6157	124.7462
2549.0779	**1275.0426**	**850.3642**	23	Q	2	275.1714	138.0893	92.3953
			24	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NSITGS$_{167}$LR$_{166}$S$_{167}$IDMR$_{166}$.E/2

0.8906

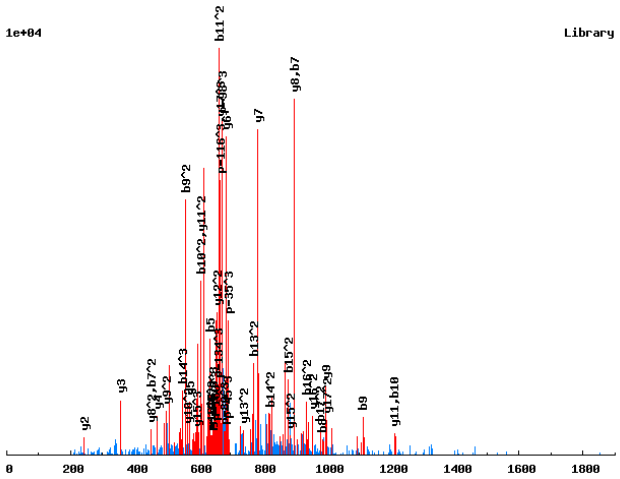


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	13		
202.0822	101.5448	2	S	12	1515.6541	**758.3307**
315.1663	158.0868	3	I	11	1428.6221	**714.8147**
416.2140	208.6106	4	T	10	**1315.5380**	**658.2726**
473.2354	237.1214	5	G	9	**1214.4903**	607.7488
640.2338	320.6205	6	S[167]	8	**1157.4689**	579.2381
753.3179	377.1626	7	L	7	**990.4705**	495.7389
919.4272	460.2173	8	R[166]	6	**877.3864**	439.1969
1086.4256	543.7164	9	S[167]	5	**711.2771**	356.1422
1199.5097	600.2585	10	I	4	544.2787	272.6430
1314.5366	**657.7719**	11	D	3	**431.1946**	216.1010
1445.5771	723.2922	12	M	2	**316.1677**	158.5875
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NSK$_{136}$S$_{167}$ES$_{167}$PSEVLVDTLDSK$_{136}$.S/3

0.9957

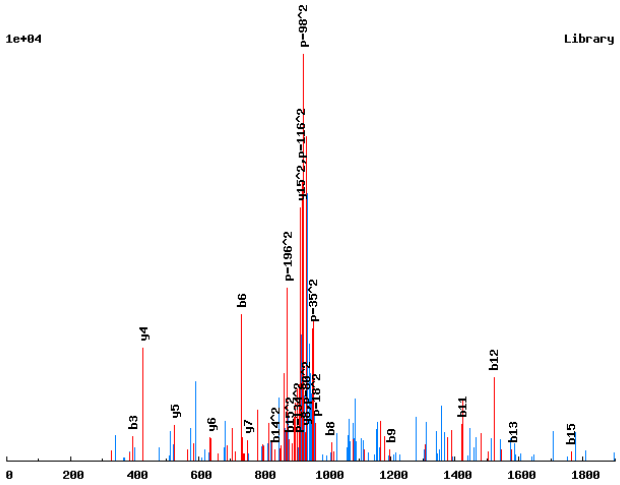


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	18			
202.0822	101.5448	68.0323	2	S	17	1996.8734	**998.9403**	**666.2960**
338.1914	169.5993	113.4020	3	K[136]	16	1909.8414	**955.4243**	**637.2853**
505.1898	253.0985	169.0681	4	S[167]	15	1773.7322	**887.3698**	**591.9156**
634.2324	317.6198	212.0823	5	E	14	1606.7339	803.8706	536.2495
801.2307	401.1190	267.7484	6	S[167]	13	1477.6913	**739.3493**	493.2353
898.2835	**449.6454**	300.0993	7	P	12	1310.6929	**655.8501**	437.5692
985.3155	493.1614	329.1100	8	S	11	**1213.6401**	**607.3237**	405.2182
1114.3581	**557.6827**	372.1242	9	E	10	1126.6081	**563.8077**	376.2076
1213.4265	**607.2169**	405.1470	10	V	9	**997.5655**	**499.2864**	333.1934
1326.5106	**663.7589**	442.8417	11	L	8	**898.4971**	**449.7522**	300.1706
1425.5790	713.2931	475.8645	12	V	7	**785.4131**	393.2102	262.4759
1540.6059	**770.8066**	514.2068	13	D	6	**686.3446**	343.6760	229.4531
1641.6536	**821.3304**	**547.8894**	14	T	5	**571.3177**	286.1625	191.1108
1754.7377	**877.8725**	585.5841	15	L	4	**470.2700**	235.6387	157.4282
1869.7646	**935.3859**	623.9264	16	D	3	**357.1860**	179.0966	119.7335
1956.7966	**978.9020**	652.9371	17	S	2	**242.1590**	121.5832	81.3912
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.NS$_{167}$LNHSNS$_{167}$T$_{181}$LNVGPSR$_{166}$.Q/2

0.9692

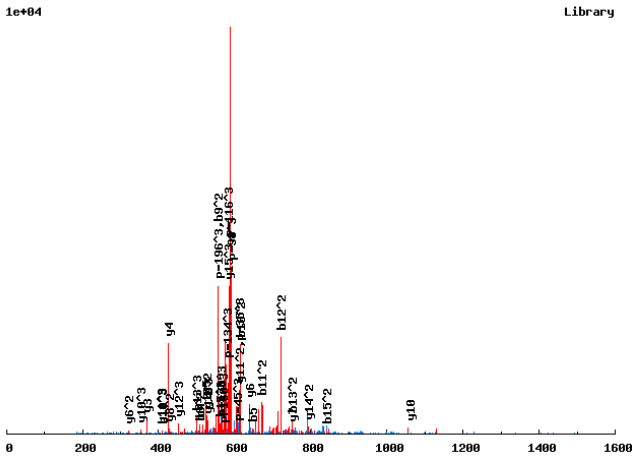


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	16		
282.0486	141.5279	2	S[167]	15	1832.7005	**916.8539**
395.1326	198.0700	3	L	14	1665.7021	833.3547
509.1756	255.0914	4	N	13	1552.6180	776.8127
646.2345	323.6209	5	H	12	1438.5751	719.7912
733.2665	367.1369	6	S	11	1301.5162	651.2617
847.3094	424.1584	7	N	10	1214.4842	607.7457
1014.3078	507.6575	8	S[167]	9	1100.4412	550.7243
1195.3218	598.1645	9	T[181]	8	**933.4429**	467.2251
1308.4059	654.7066	10	L	7	**752.4289**	376.7181
1422.4488	711.7280	11	N	6	**639.3448**	320.1760
1521.5172	761.2622	12	V	5	**525.3019**	263.1546
1578.5387	789.7730	13	G	4	**426.2335**	213.6204
1675.5914	**838.2994**	14	P	3	369.2120	185.1096
1762.6235	**881.8154**	15	S	2	272.1592	136.5833
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.NS$_{167}$LNHS$_{167}$NSTLNVGPSR$_{166}$.Q/3

0.9817

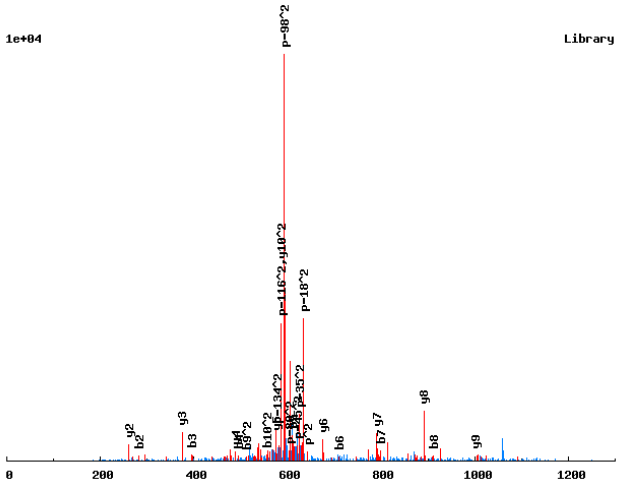


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	16			
282.0486	141.5279	94.6877	2	S[167]	15	1752.7341	876.8707	**584.9162**
395.1326	198.0700	132.3824	3	L	14	1585.7358	**793.3715**	**529.2501**
509.1756	255.0914	170.3967	4	N	13	1472.6517	736.8295	491.5554
646.2345	323.6209	216.0830	5	H	12	1358.6088	679.8080	**453.5411**
813.2328	407.1201	271.7491	6	S[167]	11	1221.5499	**611.2786**	**407.8548**
927.2758	464.1415	309.7634	7	N	10	**1054.5515**	**527.7794**	**352.1887**
1014.3078	**507.6575**	338.7741	8	S	9	940.5086	470.7579	314.1744
1115.3555	**558.1814**	372.4567	9	T	8	853.4765	**427.2419**	285.1637
1228.4395	**614.7234**	**410.1514**	10	L	7	**752.4289**	376.7181	251.4811
1342.4825	**671.7449**	448.1657	11	N	6	**639.3448**	**320.1760**	213.7865
1441.5509	**721.2791**	481.1885	12	V	5	**525.3019**	263.1546	175.7721
1498.5723	**749.7898**	**500.1956**	13	G	4	**426.2335**	213.6204	142.7493
1595.6251	798.3162	532.5466	14	P	3	**369.2120**	185.1096	123.7422
1682.6571	**841.8322**	**561.5572**	15	S	2	272.1592	136.5833	91.3913
			16	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$LTNTSILSR.A/2

0.9977

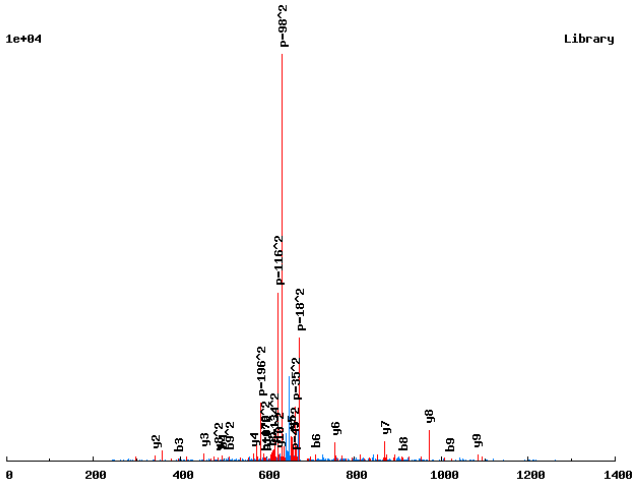


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
282.0486	141.5279	2	S[167]	10	1171.5718	**586.2896**
395.1326	198.0700	3	L	9	**1004.5735**	502.7904
496.1803	248.5938	4	T	8	**891.4894**	446.2484
610.2232	305.6153	5	N	7	**790.4417**	395.7245
711.2709	356.1391	6	T	6	**676.3988**	338.7030
798.3030	399.6551	7	S	5	**575.3511**	288.1792
911.3870	456.1971	8	I	4	**488.3191**	244.6632
1024.4711	**512.7392**	9	L	3	**375.2350**	188.1212
1111.5031	**556.2552**	10	S	2	**262.1510**	131.5791
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$LTNTSILS$_{167}$R.A/2

0.968

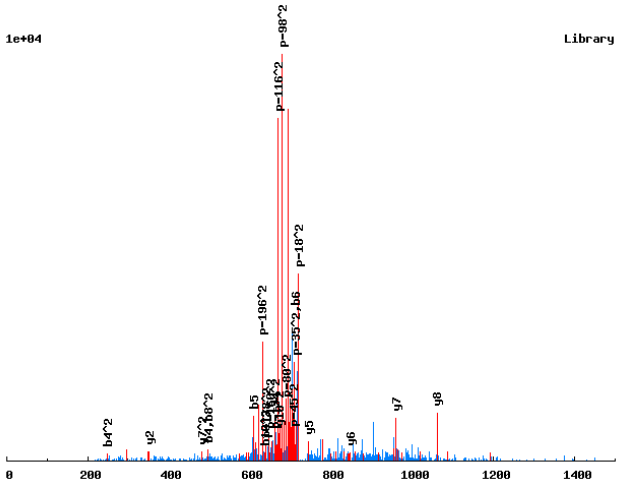


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	11		
282.0486	141.5279	2	S[167]	10	1251.5382	**626.2727**
395.1326	198.0700	3	L	9	**1084.5398**	542.7735
496.1803	248.5938	4	T	8	**971.4558**	**486.2315**
610.2232	305.6153	5	N	7	**870.4081**	435.7077
711.2709	356.1391	6	T	6	**756.3651**	378.6862
798.3030	399.6551	7	S	5	**655.3175**	328.1624
911.3870	456.1971	8	I	4	**568.2854**	284.6464
1024.4711	**512.7392**	9	L	3	**455.2014**	228.1043
1191.4694	**596.2384**	10	S[167]	2	**342.1173**	171.5623
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$LTNTS$_{167}$ILS$_{167}$R$_{166}$.A/2

0.8232

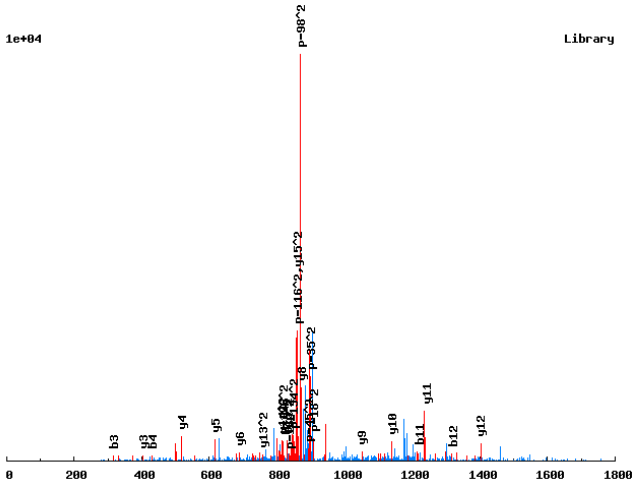


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	**1**	**N**	**11**		
282.0486	141.5279	**2**	**S[167]**	**10**	1341.5128	**671.2600**
395.1326	198.0700	**3**	**L**	**9**	1174.5144	587.7608
496.1803	**248.5938**	**4**	**T**	**8**	**1061.4304**	531.2188
610.2232	305.6153	**5**	**N**	**7**	**960.3827**	**480.6950**
711.2709	356.1391	**6**	**T**	**6**	**846.3397**	423.6735
878.2693	439.6383	**7**	**S[167]**	**5**	**745.2921**	373.1497
991.3533	**496.1803**	**8**	**I**	**4**	578.2937	289.6505
1104.4374	552.7223	**9**	**L**	**3**	465.2096	233.1085
1271.4358	**636.2215**	**10**	**S[167]**	**2**	**352.1256**	176.5664
		11	**R[166]**	**1**	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.NSNIS$_{167}$PST$_{181}$PSAVLNDR.Q/2

0.9925

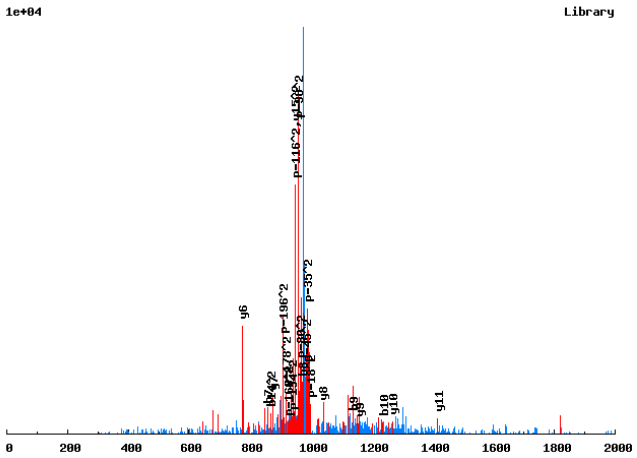


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	16		
202.0822	101.5448	2	S	15	1717.7194	**859.3633**
316.1252	158.5662	3	N	14	1630.6873	**815.8473**
429.2092	215.1083	4	I	13	1516.6444	**758.8258**
596.2076	298.6074	5	S[167]	12	**1403.5604**	702.2838
693.2604	347.1338	6	P	11	**1236.5620**	618.7846
780.2924	390.6498	7	S	10	**1139.5092**	570.2583
961.3064	481.1568	8	T[181]	9	**1052.4772**	526.7422
1058.3592	529.6832	9	P	8	**871.4632**	436.2352
1145.3912	573.1992	10	S	7	774.4104	387.7089
1216.4283	608.7178	11	A	6	**687.3784**	344.1928
1315.4967	658.2520	12	V	5	**616.3413**	308.6743
1428.5808	714.7940	13	L	4	**517.2729**	259.1401
1542.6237	771.8155	14	N	3	**404.1888**	202.5980
1657.6506	**829.3290**	15	D	2	290.1459	145.5766
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$NNSFLNS$_{167}$VPHS$_{167}$VTR.M/2

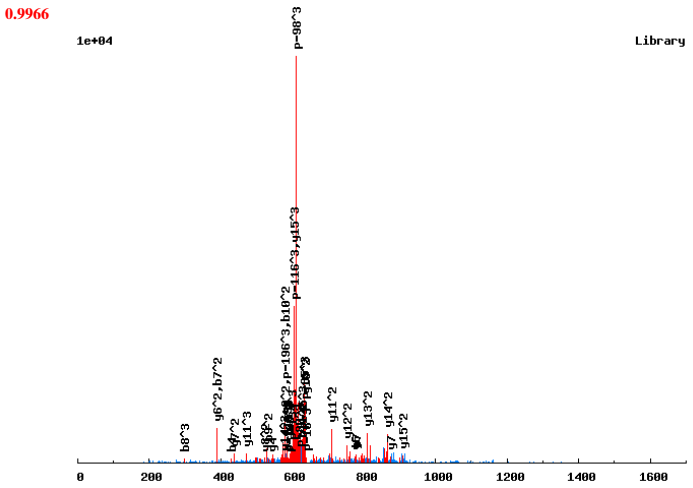
0.9123



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	16		
282.0486	141.5279	2	S[167]	15	1898.7235	**949.8654**
396.0915	198.5494	3	N	14	1731.7251	866.3662
510.1344	255.5709	4	N	13	1617.6822	809.3447
597.1665	299.0869	5	S	12	1503.6393	752.3233
744.2349	372.6211	6	F	11	**1416.6072**	708.8073
857.3189	429.1631	7	L	10	**1269.5388**	635.2731
971.3619	486.1846	8	N	9	**1156.4548**	578.7310
1138.3602	569.6838	9	S[167]	8	**1042.4118**	521.7096
1237.4286	619.2180	10	V	7	**875.4135**	438.2104
1334.4814	667.7443	11	P	6	**776.3451**	388.6762
1471.5403	736.2738	12	H	5	679.2923	340.1498
1638.5387	819.7730	13	S[167]	4	542.2334	271.6203
1737.6071	**869.3072**	14	V	3	375.2350	188.1212
1838.6548	919.8310	15	T	2	276.1666	138.5870
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NSNNSFLNS$_{167}$VPHS$_{167}$VTR.M/3

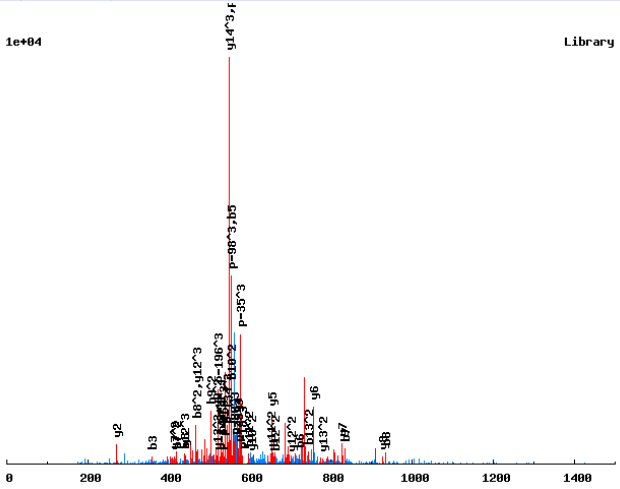


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	16			
202.0822	101.5448	68.0323	2	S	15	1818.7572	**909.8822**	**606.9239**
316.1252	158.5662	106.0466	3	N	14	1731.7251	**866.3662**	**577.9132**
430.1681	215.5877	144.0609	4	N	13	1617.6822	**809.3447**	539.8989
517.2001	259.1037	173.0716	5	S	12	1503.6393	**752.3233**	501.8846
664.2685	332.6379	222.0944	6	F	11	1416.6072	**708.8073**	**472.8739**
777.3526	**389.1799**	259.7891	7	L	10	1269.5388	**635.2731**	423.8511
891.3955	446.2014	**297.8034**	8	N	9	1156.4548	**578.7310**	386.1564
1058.3939	**529.7006**	353.4695	9	S[167]	8	1042.4118	**521.7096**	348.1421
1157.4623	**579.2348**	386.4923	10	V	7	**875.4135**	**438.2104**	292.4760
1254.5151	**627.7612**	418.8432	11	P	6	**776.3451**	**388.6762**	259.4532
1391.5740	696.2906	464.5295	12	H	5	679.2923	340.1498	227.1023
1558.5723	779.7898	520.1956	13	S[167]	4	**542.2334**	271.6203	181.4160
1657.6407	829.3240	553.2184	14	V	3	375.2350	188.1212	125.7499
1758.6884	879.8479	**586.9010**	15	T	2	276.1666	138.5870	92.7271
			16	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NSRVPS$_{167}$LVATSES$_{167}$PR.A/3

0.9708

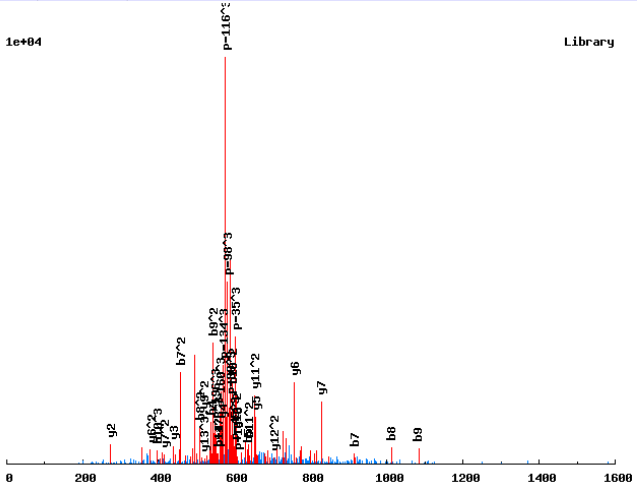


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	15			
202.0822	101.5448	68.0323	2	S	14	1645.7346	823.3710	**549.2497**
358.1833	179.5953	120.0660	3	R	13	1558.7026	**779.8549**	**520.2391**
457.2518	229.1295	153.0888	4	V	12	1402.6015	**701.8044**	**468.2053**
554.3045	277.6559	185.4397	5	P	11	1303.5331	**652.2702**	435.1825
721.3029	361.1551	241.1058	6	S[167]	10	1206.4803	**603.7438**	402.8316
834.3869	**417.6971**	278.8005	7	L	9	1039.4820	**520.2446**	347.1655
933.4554	**467.2313**	311.8233	8	V	8	**926.3979**	463.7026	309.4708
1004.4925	**502.7499**	335.5023	9	A	7	**827.3295**	**414.1684**	276.4480
1105.5401	**553.2737**	369.1849	10	T	6	**756.2924**	378.6498	252.7690
1192.5722	**596.7897**	398.1956	11	S	5	**655.2447**	328.1260	219.0864
1321.6148	**661.3110**	**441.2098**	12	E	4	**568.2127**	284.6100	190.0757
1488.6131	**744.8102**	496.8759	13	S[167]	3	**439.1701**	220.0887	147.0615
1585.6659	793.3366	**529.2268**	14	P	2	**272.1717**	136.5895	91.3954
			15	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$RVPS$_{167}$LVATSES$_{167}$PR.A/3

0.9017

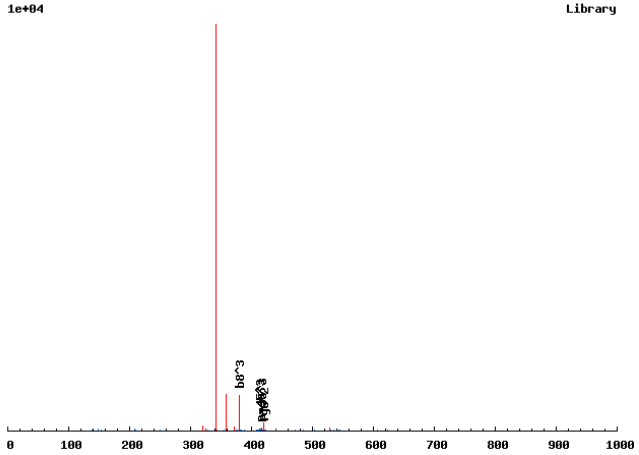


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	15			
282.0486	141.5279	94.6877	2	S[167]	14	1725.7010	863.3541	**575.9052**
438.1497	219.5785	146.7214	3	R	13	1558.7026	779.8549	**520.2391**
537.2181	269.1127	179.7442	4	V	12	1402.6015	**701.8044**	468.2053
634.2709	317.6391	212.0951	5	P	11	1303.5331	**652.2702**	435.1825
801.2692	401.1382	267.7613	6	S[167]	10	1206.4803	**603.7438**	402.8316
914.3533	**457.6803**	305.4559	7	L	9	1039.4820	**520.2446**	347.1655
1013.4217	**507.2145**	338.4787	8	V	8	926.3979	463.7026	309.4708
1084.4588	**542.7330**	362.1578	9	A	7	**827.3295**	**414.1684**	276.4480
1185.5065	**593.2569**	**395.8403**	10	T	6	**756.2924**	**378.6498**	252.7690
1272.5385	**636.7729**	424.8510	11	S	5	**655.2447**	328.1260	219.0864
1401.5811	701.2942	467.8652	12	E	4	**568.2127**	284.6100	190.0757
1568.5795	784.7934	523.5313	13	S[167]	3	**439.1701**	220.0887	147.0615
1665.6322	833.3197	**555.8823**	14	P	2	**272.1717**	136.5895	91.3954
			15	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$S$_{167}$GS$_{167}$S$_{167}$S$_{167}$MK.T/3

0.8235

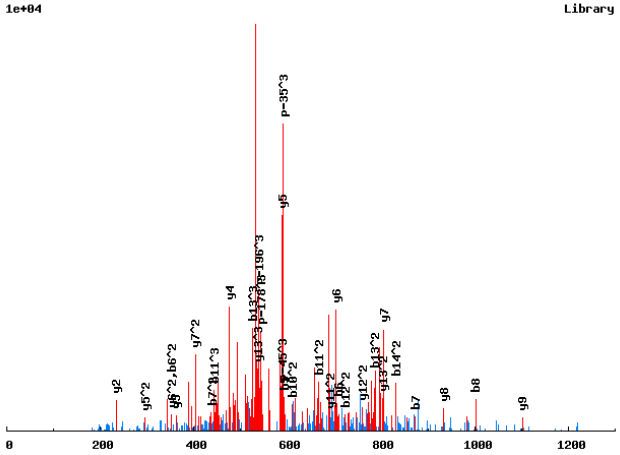


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	9			
282.0486	141.5279	94.6877	2	S[167]	8	1170.1666	585.5869	390.7270
449.0469	225.0271	150.3538	3	S[167]	7	1003.1682	502.0877	335.0609
506.0684	253.5378	169.3610	4	G	6	836.1698	**418.5886**	279.3948
673.0668	337.0370	225.0271	5	S[167]	5	779.1484	390.0778	260.3876
840.0651	420.5362	280.6932	6	S[167]	4	612.1500	306.5786	204.7215
1007.0635	504.0354	336.3593	7	S[167]	3	445.1517	223.0795	149.0554
1138.1040	569.5556	**380.0395**	8	M	2	278.1533	139.5803	93.3893
			9	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NSSHS$_{167}$LS$_{167}$ETDLNQSK.G/3

0.9964

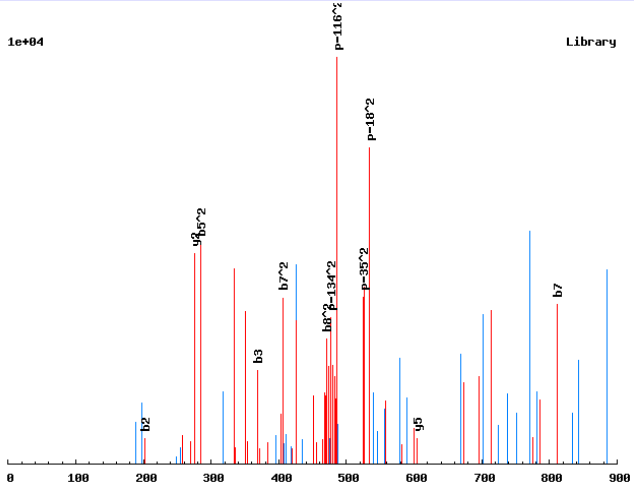


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	15			
202.0822	101.5448	68.0323	2	S	14	1692.6514	846.8293	564.8886
289.1143	145.0608	97.0429	3	S	13	1605.6193	**803.3133**	**535.8780**
426.1732	213.5902	142.7292	4	H	12	1518.5873	**759.7973**	506.8673
593.1715	297.0894	198.3954	5	S[167]	11	1381.5284	**691.2678**	461.1810
706.2556	**353.6314**	236.0901	6	L	10	1214.5300	607.7687	405.5149
873.2540	**437.1306**	291.7562	7	S[167]	9	**1101.4460**	551.2266	367.8202
1002.2966	501.6519	334.7704	8	E	8	**934.4476**	467.7274	312.1541
1103.3442	552.1758	368.4529	9	T	7	**805.4050**	**403.2062**	269.1399
1218.3712	**609.6892**	406.7952	10	D	6	**704.3573**	**352.6823**	235.4573
1331.4552	**666.2313**	**444.4899**	11	L	5	**589.3304**	**295.1688**	197.1150
1445.4982	**723.2527**	482.5042	12	N	4	**476.2463**	238.6268	159.4203
1573.5567	**787.2820**	**525.1904**	13	Q	3	**362.2034**	181.6053	121.4060
1660.5888	**830.7980**	554.2011	14	S	2	**234.1448**	117.5761	78.7198
			15	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.NSS$_{167}$LSELKK.I/2

0.7381

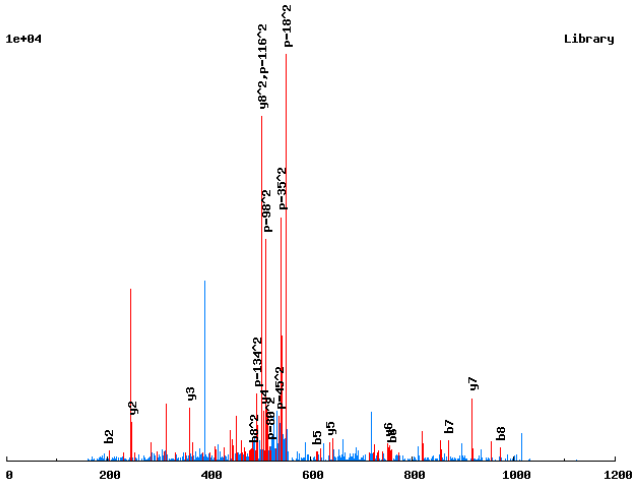


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	9		
202.0822	101.5448	2	S	8	971.4809	**486.2441**
369.0806	185.0439	3	S[167]	7	884.4489	442.7281
482.1647	241.5860	4	L	6	717.4505	359.2289
569.1967	**285.1020**	5	S	5	**604.3664**	302.6869
698.2393	349.6233	6	E	4	517.3344	259.1708
811.3233	**406.1653**	7	L	3	388.2918	194.6495
939.4183	**470.2128**	8	K	2	**275.2078**	138.1075
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.NSS$_{167}$NEFLTK.N/2

0.898

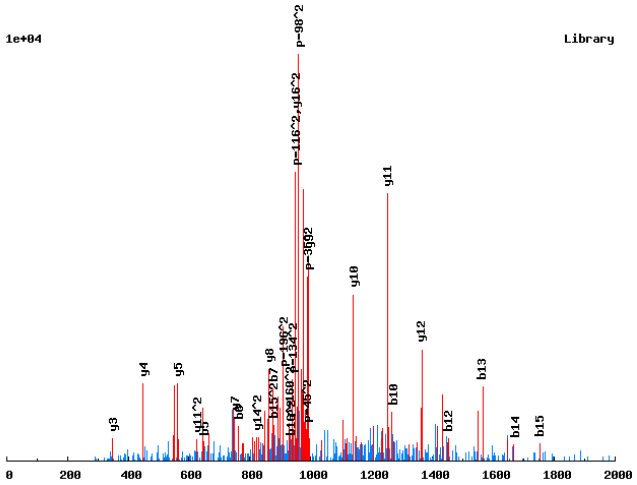


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	9		
202.0822	101.5448	2	S	8	1005.4289	**503.2181**
369.0806	185.0439	3	S[167]	7	**918.3968**	459.7021
483.1235	242.0654	4	N	6	**751.3985**	376.2029
612.1661	306.5867	5	E	5	**637.3555**	319.1814
759.2345	380.1209	6	F	4	**508.3130**	254.6601
872.3186	436.6629	7	L	3	**361.2445**	181.1259
973.3663	**487.1868**	8	T	2	**248.1605**	124.5839
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NS$_{167}$SS$_{167}$LLNFQNSVLTSNK.D/2

0.9991

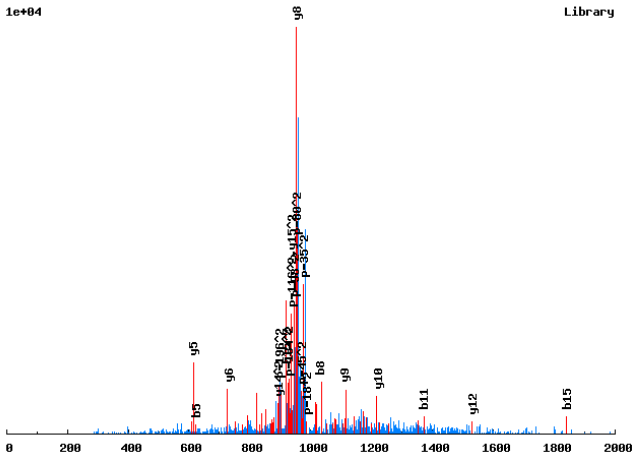


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	17		
282.0486	141.5279	2	S[167]	16	1898.8297	**949.9185**
369.0806	185.0439	3	S	15	1731.8313	866.4193
536.0790	268.5431	4	S[167]	14	1644.7993	**822.9033**
649.1630	325.0852	5	L	13	1477.8009	739.4041
762.2471	381.6272	6	L	12	**1364.7168**	682.8621
876.2900	438.6486	7	N	11	**1251.6328**	**626.3200**
1023.3584	512.1829	8	F	10	**1137.5899**	569.2986
1151.4170	576.2121	9	Q	9	**990.5215**	495.7644
1265.4599	633.2336	10	N	8	**862.4629**	431.7351
1352.4920	676.7496	11	S	7	**748.4199**	374.7136
1451.5604	726.2838	12	V	6	661.3879	331.1976
1564.6444	782.8259	13	L	5	**562.3195**	281.6634
1665.6921	833.3497	14	T	4	**449.2354**	225.1214
1752.7241	**876.8657**	15	S	3	**348.1878**	174.5975
1866.7671	**933.8872**	16	N	2	261.1557	131.0815
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NSSS$_{167}$S$_{167}$FTYPQLPQLQK.E/2

0.7152

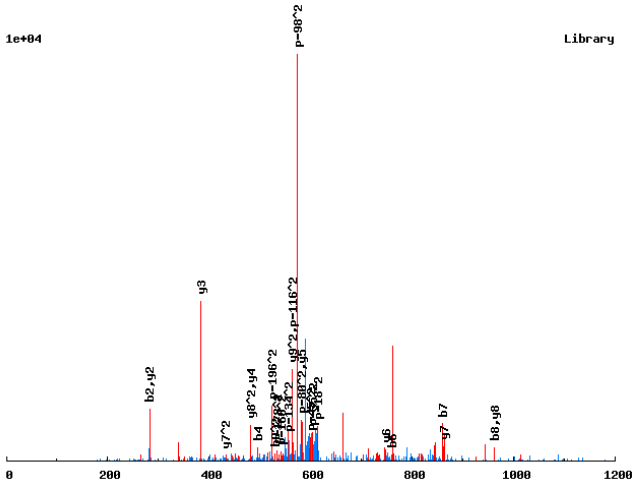


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	16		
202.0822	101.5448	2	S	15	1870.8024	**935.9048**
289.1143	145.0608	3	S	14	1783.7704	**892.3888**
456.1126	228.5600	4	S[167]	13	1696.7383	848.8728
623.1110	312.0591	5	S[167]	12	**1529.7400**	765.3736
770.1794	385.5933	6	F	11	1362.7416	681.8744
871.2271	436.1172	7	T	10	**1215.6732**	608.3402
1034.2904	517.6488	8	Y	9	**1114.6255**	557.8164
1131.3432	566.1752	9	P	8	**951.5622**	476.2847
1259.4018	630.2045	10	Q	7	854.5094	427.7584
1372.4858	686.7465	11	L	6	**726.4508**	363.7291
1469.5386	735.2729	12	P	5	**613.3668**	307.1870
1597.5972	799.3022	13	Q	4	516.3140	258.6607
1710.6812	855.8442	14	L	3	388.2554	194.6314
1838.7398	**919.8735**	15	Q	2	275.1714	138.0893
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.NS$_{167}$VNS$_{167}$VVTPR$_{166}$.T/2

0.9922

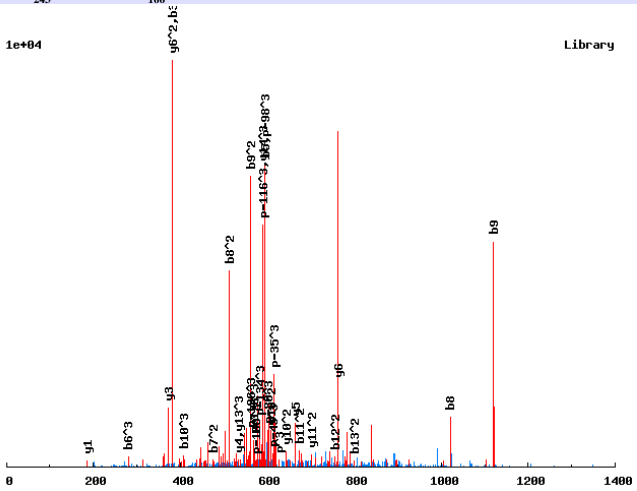


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	10		
282.0486	141.5279	2	S[167]	9	1128.4725	**564.7399**
381.1170	191.0621	3	V	8	**961.4742**	**481.2407**
495.1599	248.0836	4	N	7	**862.4058**	**431.7065**
662.1583	331.5828	5	S[167]	6	**748.3628**	374.6851
761.2267	381.1170	6	V	5	**581.3645**	291.1859
860.2951	430.6512	7	V	4	**482.2961**	241.6517
961.3428	481.1750	8	T	3	**383.2277**	192.1175
1058.3955	**529.7014**	9	P	2	**282.1800**	141.5936
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NS$_{167}$VVDY$_{243}$LAPVEYSVR$_{166}$.E/3

0.7844

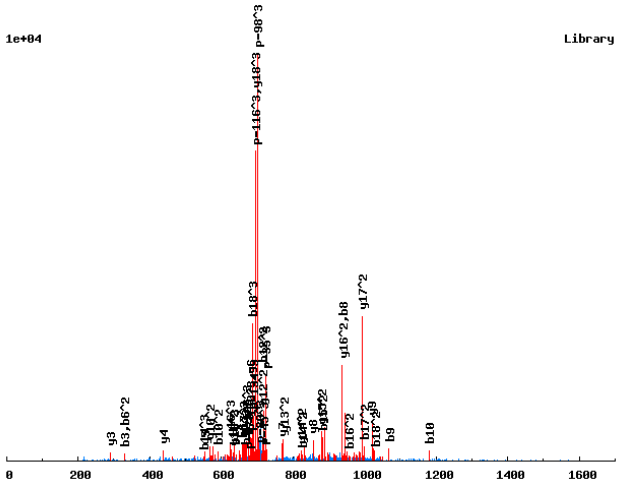


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	15			
282.0486	141.5279	94.6877	2	S[167]	14	1766.7677	883.8875	**589.5941**
381.1170	191.0621	127.7105	3	V	13	1599.7693	800.3883	**533.9280**
480.1854	240.5963	160.7333	4	V	12	1500.7009	750.8541	500.9052
595.2123	298.1098	199.0756	5	D	11	1401.6325	**701.3199**	467.8824
838.2420	419.6246	**280.0855**	6	Y[243]	10	1286.6056	**643.8064**	429.5400
951.3261	**476.1667**	317.7802	7	L	9	1043.5759	522.2916	348.5302
1022.3632	**511.6852**	341.4592	8	A	8	930.4919	465.7496	310.8355
1119.4159	**560.2116**	373.8102	9	P	7	859.4547	430.2310	287.1564
1218.4843	**609.7458**	**406.8330**	10	V	6	**762.4020**	**381.7046**	254.8055
1347.5269	**674.2671**	449.8472	11	E	5	**663.3336**	332.1704	221.7827
1510.5903	**755.7988**	504.2016	12	Y	4	**534.2910**	267.6491	178.7685
1597.6223	**799.3148**	533.2123	13	S	3	**371.2277**	186.1175	124.4141
1696.6907	848.8490	566.2351	14	V	2	284.1956	142.6015	95.4034
			15	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.NTIDDVNS$_{167}$KIS$_{167}$SSEDFSGK.D/3

0.967

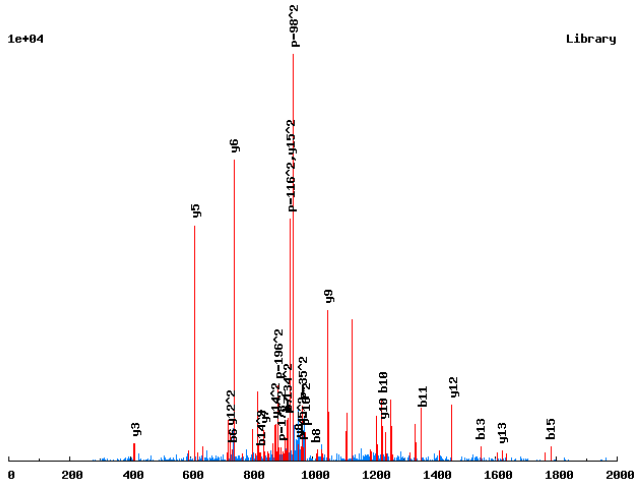


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	19			
216.0979	108.5526	72.7042	2	T	18	2088.8410	1044.9241	**696.9519**
329.1819	165.0946	110.3988	3	I	17	1987.7933	**994.4003**	**663.2693**
444.2089	222.6081	148.7411	4	D	16	1874.7093	**937.8583**	**625.5746**
559.2358	280.1216	187.0835	5	D	15	1759.6823	**880.3448**	587.2323
658.3042	**329.6558**	220.1063	6	V	14	1644.6554	**822.8313**	548.8900
772.3472	386.6772	258.1206	7	N	13	1545.5870	**773.2971**	515.8672
939.3455	470.1764	313.7867	8	S[167]	12	1431.5440	**716.2757**	477.8529
1067.4405	534.2239	356.4850	9	K	11	1264.5457	**632.7765**	422.1867
1180.5246	**590.7659**	394.1797	10	I	10	1136.4507	**568.7290**	379.4884
1347.5229	674.2651	449.8458	11	S[167]	9	**1023.3667**	512.1870	341.7937
1434.5549	**717.7811**	478.8565	12	S	8	**856.3683**	428.6878	286.1276
1521.5870	761.2971	507.8672	13	S	7	**769.3363**	385.1718	257.1169
1650.6296	**825.8184**	**550.8814**	14	E	6	**682.3042**	341.6558	228.1063
1765.6565	**883.3319**	589.2237	15	D	5	**553.2616**	277.1345	185.0921
1912.7249	**956.8661**	**638.2465**	16	F	4	**438.2347**	219.6210	146.7498
1999.7569	**1000.3821**	**667.2572**	17	S	3	**291.1663**	146.0868	97.7269
2056.7784	**1028.8928**	**686.2643**	18	G	2	204.1343	102.5708	68.7163
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.NTQS$_{167}$PQT$_{181}$PLVEPVTER$_{166}$.T/2

0.9987

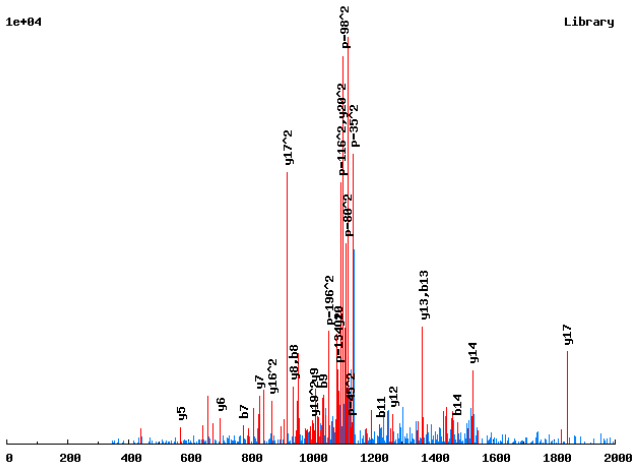


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	16		
216.0979	108.5526	2	T	15	1851.8165	**926.4119**
344.1565	172.5819	3	Q	14	1750.7688	**875.8880**
511.1548	256.0811	4	S[167]	13	**1622.7102**	811.8587
608.2076	304.6074	5	P	12	**1455.7118**	**728.3596**
736.2662	368.6367	6	Q	11	1358.6591	679.8332
917.2802	459.1437	7	T[181]	10	**1230.6005**	615.8039
1014.3329	507.6701	8	P	9	**1049.5865**	525.2969
1127.4170	564.2121	9	L	8	**952.5337**	476.7705
1226.4854	613.7463	10	V	7	**839.4497**	420.2285
1355.5280	678.2676	11	E	6	**740.3812**	370.6943
1452.5808	726.7940	12	P	5	**611.3387**	306.1730
1551.6492	776.3282	13	V	4	514.2859	257.6466
1652.6969	**826.8521**	14	T	3	**415.2175**	208.1124
1781.7394	891.3734	15	E	2	314.1698	157.5885
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NT$_{181}$SSPPIS$_{167}$PNAAAIQEEDSSK$_{136}$.K/2

0.9998

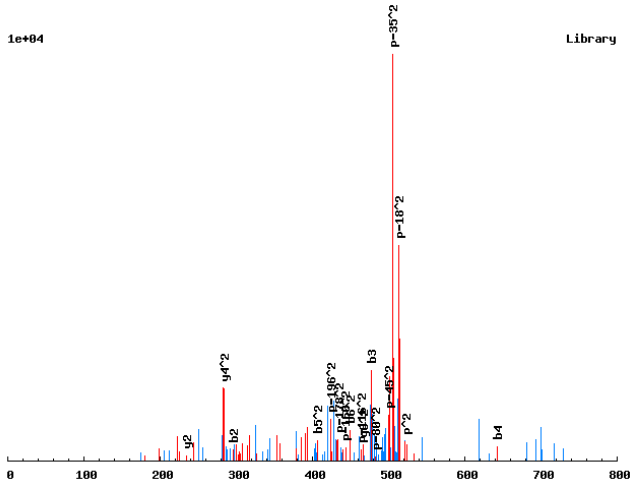


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	21		
296.0642	148.5358	2	T[181]	20	2196.9189	**1098.9631**
383.0963	192.0518	3	S	19	2015.9048	**1008.4561**
470.1283	235.5678	4	S	18	1928.8728	964.9400
567.1810	284.0942	5	P	17	**1841.8408**	**921.4240**
664.2338	332.6205	6	P	16	1744.7880	**872.8976**
777.3179	389.1626	7	I	15	1647.7353	824.3713
944.3162	472.6618	8	S[167]	14	**1534.6512**	767.8292
1041.3690	521.1881	9	P	13	**1367.6528**	684.3301
1155.4119	578.2096	10	N	12	**1270.6001**	635.8037
1226.4490	613.7282	11	A	11	1156.5571	578.7822
1297.4861	649.2467	12	A	10	**1085.5200**	543.2637
1368.5232	684.7653	13	A	9	**1014.4829**	507.7451
1481.6073	741.3073	14	I	8	**943.4458**	472.2265
1609.6659	805.3366	15	Q	7	**830.3618**	415.6845
1738.7085	869.8579	16	E	6	**702.3032**	351.6552
1867.7511	934.3792	17	E	5	**573.2606**	287.1339
1982.7780	991.8926	18	D	4	444.2180	222.6126
2069.8100	1035.4087	19	S	3	329.1911	165.0992
2156.8421	1078.9247	20	S	2	242.1590	121.5832
		21	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.NT$_{181}$T$_{181}$S$_{167}$S$_{167}$SK.N/2

0.8033

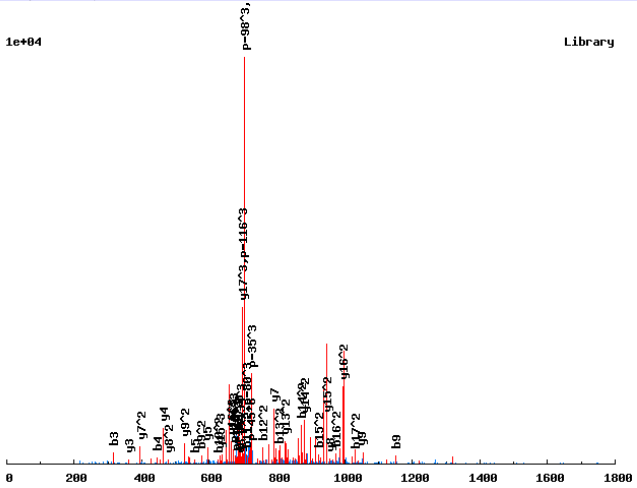


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	**1**	**N**	**7**		
296.0642	148.5358	**2**	**T[181]**	**6**	930.1696	**465.5884**
477.0782	239.0428	**3**	**T[181]**	**5**	749.1556	375.0814
644.0766	322.5419	**4**	**S[167]**	**4**	568.1416	**284.5744**
811.0750	**406.0411**	**5**	**S[167]**	**3**	401.1432	201.0752
898.1070	**449.5571**	**6**	**S**	**2**	**234.1448**	117.5761
		7	**K**	**1**	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.NTVELY$_{243}$QHSPS$_{167}$PVMTTNK.T/3

0.9996

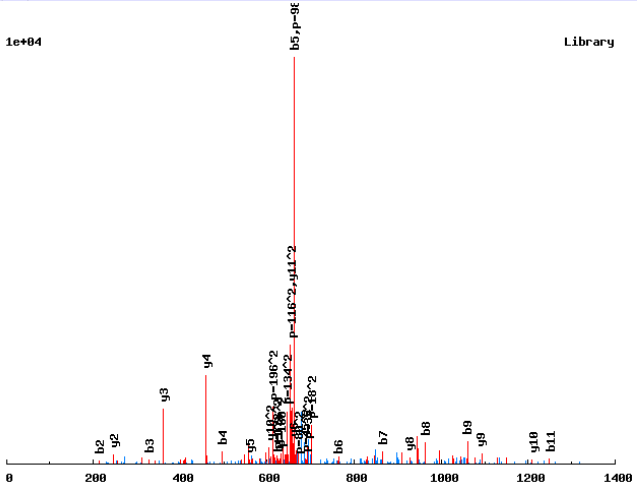


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	18			
216.0979	108.5526	72.7042	2	T	17	2091.8858	1046.4465	**697.9668**
315.1663	158.0868	105.7270	3	V	16	1990.8381	**995.9227**	**664.2842**
444.2089	222.6081	148.7411	4	E	15	1891.7697	**946.3885**	**631.2614**
557.2930	279.1501	186.4358	5	L	14	1762.7271	**881.8672**	588.2472
800.3226	400.6649	267.4457	6	Y[243]	13	1649.6431	**825.3252**	550.5525
928.3812	464.6942	310.1319	7	Q	12	1406.6134	**703.8103**	469.5427
1065.4401	533.2237	355.8182	8	H	11	1278.5548	639.7810	426.8565
1152.4721	**576.7397**	384.8289	9	S	10	1141.4959	571.2516	381.1702
1249.5249	**625.2661**	417.1798	10	P	9	**1054.4639**	**527.7356**	352.1595
1416.5233	**708.7653**	472.8459	11	S[167]	8	**957.4111**	**479.2092**	319.8086
1513.5760	**757.2916**	505.1969	12	P	7	**790.4128**	**395.7100**	264.1424
1612.6444	**806.8259**	538.2197	13	V	6	**693.3600**	347.1836	231.7915
1743.6849	**872.3461**	581.8998	14	M	5	**594.2916**	297.6494	198.7687
1844.7326	**922.8699**	615.5824	15	T	4	**463.2511**	232.1292	155.0885
1945.7803	**973.3938**	649.2649	16	T	3	**362.2034**	181.6053	121.4060
2059.8232	**1030.4152**	**687.2793**	17	N	2	261.1557	131.0815	87.7234
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

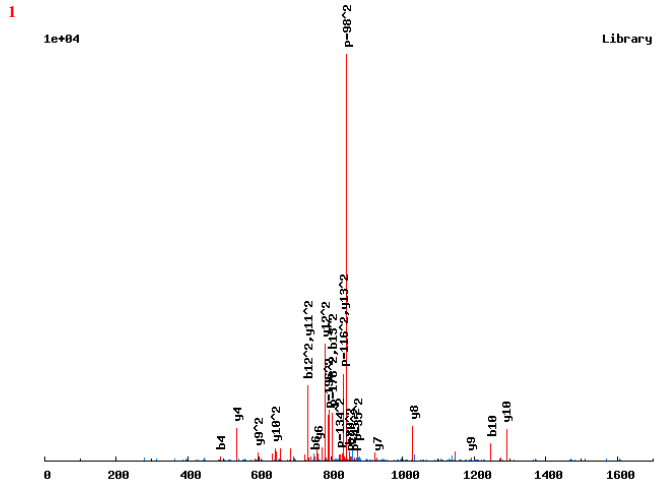
K.NVNS$_{167}$S$_{167}$TTVVNAR.N/2

0.9997



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	12		
214.1186	107.5630	2	V	11	1307.5392	**654.2733**
328.1615	164.5844	3	N	10	**1208.4708**	**604.7391**
495.1599	248.0836	4	S[167]	9	**1094.4279**	547.7176
662.1583	331.5828	5	S[167]	8	**927.4295**	464.2184
763.2060	382.1066	6	T	7	760.4312	380.7192
864.2536	432.6305	7	T	6	**659.3835**	330.1954
963.3220	482.1647	8	V	5	**558.3358**	279.6715
1062.3905	531.6989	9	V	4	**459.2674**	230.1373
1176.4334	588.7203	10	N	3	**360.1990**	180.6031
1247.4705	**624.2389**	11	A	2	**246.1561**	123.5817
		12	R	1	175.1190	88.0631

K.NVPT$_{181}$PS$_{167}$PS$_{167}$PKPQHR.R/2

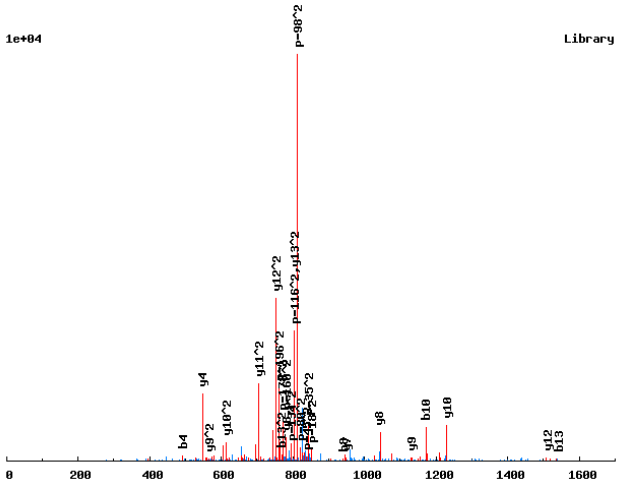


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	14		
214.1186	107.5630	2	V	13	1667.6743	**834.3408**
311.1714	156.0893	3	P	12	1568.6059	**784.8066**
492.1854	246.5963	4	T[181]	11	1471.5532	**736.2802**
589.2382	295.1227	5	P	10	**1290.5392**	**645.7732**
756.2365	378.6219	6	S[167]	9	**1193.4864**	**597.2468**
853.2893	427.1483	7	P	8	**1026.4880**	513.7477
1020.2876	510.6475	8	S[167]	7	**929.4353**	465.2213
1117.3404	559.1738	9	P	6	**762.4369**	381.7221
1245.4354	623.2213	10	K	5	665.3842	333.1957
1342.4881	671.7477	11	P	4	**537.2892**	269.1482
1470.5467	**735.7770**	12	Q	3	440.2364	220.6219
1607.6056	**804.3064**	13	H	2	312.1779	156.5926
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.NVPT$_{181}$PSPS$_{167}$PK$_{136}$PQHR$_{166}$.R/2

0.9998

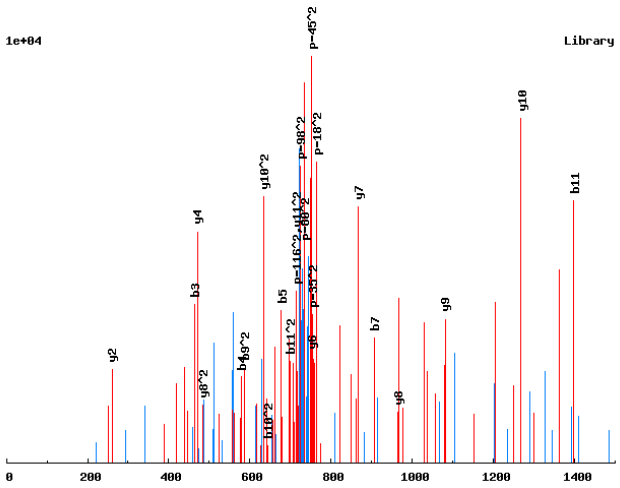


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	14		
214.1186	107.5630	2	V	13	1605.7305	**803.3689**
311.1714	156.0893	3	P	12	**1506.6621**	**753.8347**
492.1854	246.5963	4	T[181]	11	1409.6093	**705.3083**
589.2382	295.1227	5	P	10	**1228.5953**	**614.8013**
676.2702	338.6387	6	S	9	**1131.5425**	**566.2749**
773.3229	387.1651	7	P	8	**1044.5105**	522.7589
940.3213	470.6643	8	S[167]	7	**947.4577**	474.2325
1037.3741	519.1907	9	P	6	**780.4594**	390.7333
1173.4832	587.2453	10	K[136]	5	683.4066	342.2070
1270.5360	635.7716	11	P	4	**547.2975**	274.1524
1398.5946	699.8009	12	Q	3	450.2447	225.6260
1535.6535	**768.3304**	13	H	2	322.1861	161.5967
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.NYWDVNDS$_{167}$PIIK.V/2

0.9914

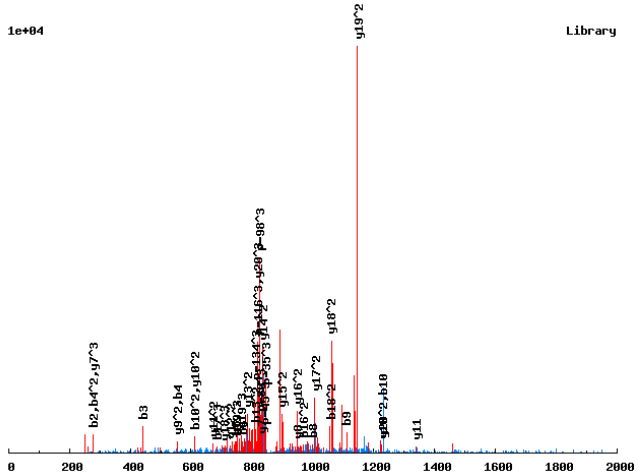


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
115.0502	58.0287	1	N	12		
278.1135	139.5604	2	Y	11	1429.6399	**715.3236**
464.1928	232.6001	3	W	10	**1266.5766**	**633.7919**
579.2198	290.1135	4	D	9	**1080.4973**	540.7523
678.2882	339.6477	5	V	8	**965.4703**	**483.2388**
792.3311	396.6692	6	N	7	**866.4019**	433.7046
907.3581	454.1827	7	D	6	**752.3590**	376.6831
1074.3564	537.6819	8	S[167]	5	637.3320	319.1697
1171.4092	**586.2082**	9	P	4	**470.3337**	235.6705
1284.4933	**642.7503**	10	I	3	373.2809	187.1441
1397.5773	**699.2923**	11	I	2	**260.1969**	130.6021
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.NYYNNVETNDDDYDSDDGK$_{136}$S$_{167}$K$_{136}$.S/3

0.8534

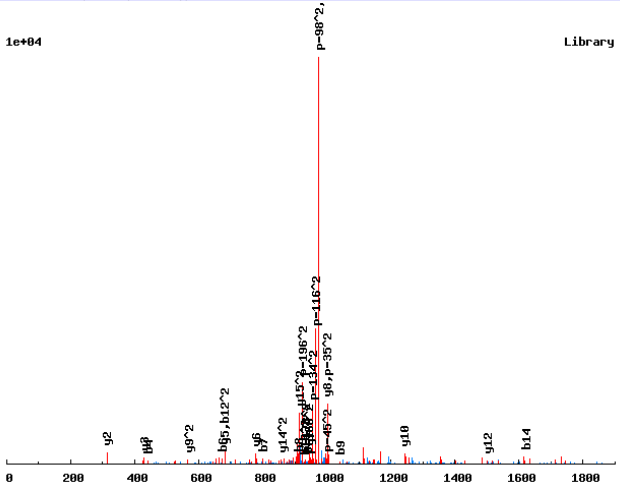


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
115.0502	58.0287	39.0216	1	N	21			
278.1135	139.5604	93.3760	2	Y	20	2452.9271	**1226.9672**	**818.3139**
441.1769	221.0921	147.7305	3	Y	19	2289.8638	**1145.4355**	**763.9594**
555.2198	**278.1135**	185.7448	4	N	18	2126.8004	**1063.9039**	**709.6050**
669.2627	335.1350	223.7591	5	N	17	2012.7575	**1006.8824**	671.5907
768.3311	384.6692	256.7819	6	V	16	1898.7146	**949.8609**	633.5764
897.3737	449.1905	299.7961	7	E	15	1799.6462	**900.3267**	600.5536
998.4214	499.7143	333.4787	8	T	14	1670.6036	**835.8054**	557.5394
1112.4643	556.7358	371.4930	9	N	13	1569.5559	**785.2816**	523.8568
1227.4913	**614.2493**	409.8353	10	D	12	1455.5130	**728.2601**	485.8425
1342.5182	671.7627	448.1776	11	D	11	**1340.4860**	**670.7467**	447.5002
1457.5452	729.2762	486.5199	12	D	10	**1225.4591**	**613.2332**	409.1579
1620.6085	**810.8079**	540.8743	13	Y	9	1110.4322	**555.7197**	370.8156
1735.6354	868.3214	579.2167	14	D	8	**947.3688**	474.1881	316.4611
1822.6675	911.8374	608.2273	15	S	7	**832.3419**	416.6746	**278.1188**
1937.6944	**969.3508**	646.5697	16	D	6	**745.3099**	373.1586	249.1081
2052.7213	1026.8643	**684.9120**	17	D	5	630.2829	315.6451	210.7658
2109.7428	**1055.3750**	703.9191	18	G	4	515.2560	258.1316	172.4235
2245.8520	1123.4296	**749.2888**	19	K[136]	3	458.2345	229.6209	153.4164
2412.8503	1206.9288	804.9550	20	S[167]	2	322.1254	161.5663	108.0466
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

M.PDNNTEQLQGS$_{167}$PSS$_{167}$DQR$_{166}$.L/2

0.9795

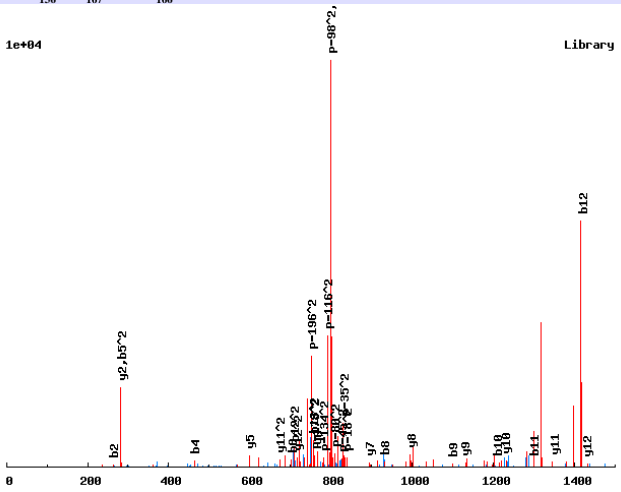


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
98.0600	49.5337	1	P	17		
213.0870	107.0471	2	D	16	1945.7200	**973.3636**
327.1299	164.0686	3	N	15	1830.6931	**915.8502**
441.1728	221.0901	4	N	14	1716.6501	**858.8287**
542.2205	271.6139	5	T	13	1602.6072	801.8072
671.2631	336.1352	6	E	12	**1501.5595**	751.2834
799.3217	400.1645	7	Q	11	1372.5169	686.7621
912.4058	456.7065	8	L	10	**1244.4584**	622.7328
1040.4643	520.7358	9	Q	9	1131.3743	**566.1908**
1097.4858	549.2465	10	G	8	**1003.3157**	502.1615
1264.4842	632.7457	11	S[167]	7	**946.2943**	473.6508
1361.5369	**681.2721**	12	P	6	**779.2959**	390.1516
1448.5689	724.7881	13	S	5	**682.2431**	341.6252
1615.5673	808.2873	14	S[167]	4	595.2111	298.1092
1730.5942	865.8008	15	D	3	**428.2127**	214.6100
1858.6528	**929.8301**	16	Q	2	**313.1858**	157.0965
		17	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

M.PS$_{167}$SLTK$_{136}$TES$_{167}$NSDPR$_{166}$.T/2

0.778

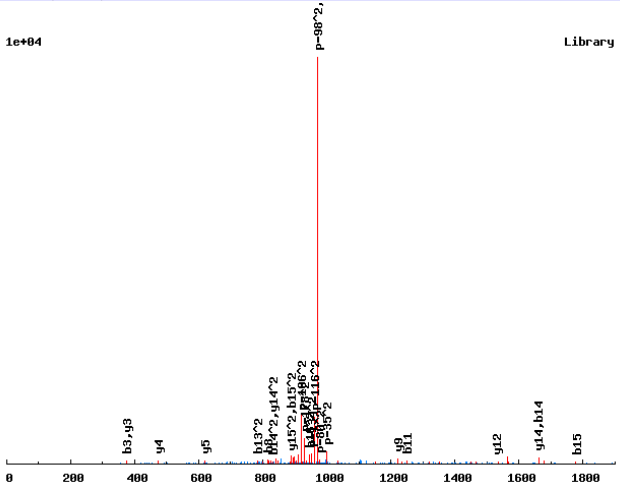


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
98.0600	49.5337	1	P	14		
265.0584	133.0328	2	S[167]	13	1599.6418	**800.3245**
352.0904	176.5489	3	S	12	**1432.6434**	**716.8254**
465.1745	233.0909	4	L	11	**1345.6114**	**673.3093**
566.2222	**283.6147**	5	T	10	**1232.5273**	616.7673
702.3313	351.6693	6	K[136]	9	**1131.4797**	566.2435
803.3790	402.1931	7	T	8	**995.3705**	498.1889
932.4216	466.7144	8	E	7	**894.3228**	447.6651
1099.4200	550.2136	9	S[167]	6	**765.2802**	383.1438
1213.4629	607.2351	10	N	5	**598.2819**	299.6446
1300.4949	650.7511	11	S	4	484.2389	242.6231
1415.5219	**708.2646**	12	D	3	397.2069	199.1071
1512.5746	**756.7910**	13	P	2	**282.1800**	141.5936
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

M.PYIGASNLS$_{167}$EHS$_{167}$FVNLK.E/2

0.9655

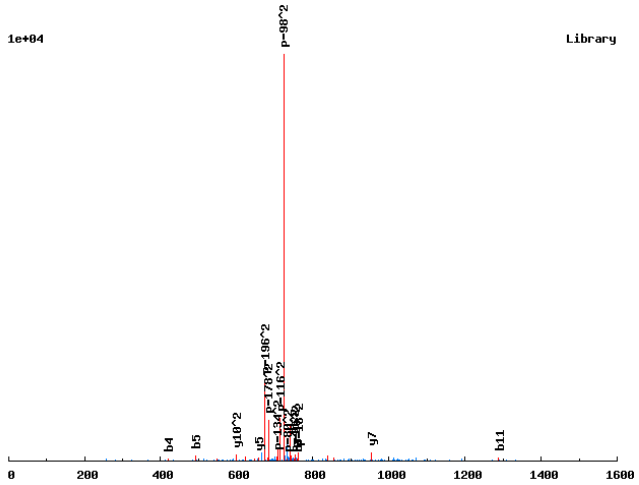


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
98.0600	49.5337	1	P	17		
261.1234	131.0653	2	Y	16	1938.8398	**969.9235**
374.2074	187.6074	3	I	15	1775.7765	**888.3919**
431.2289	216.1181	4	G	14	**1662.6924**	**831.8499**
502.2660	251.6366	5	A	13	1605.6710	803.3391
589.2980	295.1527	6	S	12	**1534.6339**	767.8206
703.3410	352.1741	7	N	11	1447.6018	724.3046
816.4250	408.7162	8	L	10	1333.5589	667.2831
983.4234	492.2153	9	S[167]	9	**1220.4748**	610.7411
1112.4660	556.7366	10	E	8	1053.4765	527.2419
1249.5249	625.2661	11	H	7	924.4339	462.7206
1416.5232	708.7653	12	S[167]	6	787.3750	394.1911
1563.5917	**782.2995**	13	F	5	**620.3766**	310.6919
1662.6601	**831.8337**	14	V	4	**473.3082**	237.1577
1776.7030	**888.8551**	15	N	3	**374.2398**	187.6235
1889.7871	**945.3972**	16	L	2	260.1969	130.6021
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$AS$_{167}$AAVS$_{167}$EK$_{136}$K$_{136}$ETK$_{136}$.K/2

0.8833

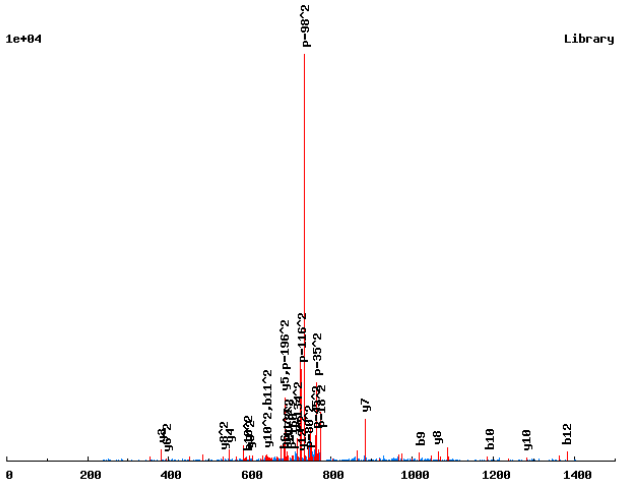


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	13		
183.0764	92.0419	2	A	12	1432.6546	716.8310
350.0748	175.5410	3	S[167]	11	1361.6175	681.3124
421.1119	211.0596	4	A	10	1194.6192	**597.8132**
492.1490	246.5781	5	A	9	1123.5821	562.2947
591.2174	296.1123	6	V	8	1052.5449	526.7761
758.2158	379.6115	7	S[167]	7	**953.4765**	477.2419
887.2584	444.1328	8	E	6	786.4782	393.7427
1023.3675	512.1874	9	K[136]	5	**657.4356**	329.2214
1159.4767	580.2420	10	K[136]	4	521.3264	261.1669
1288.5193	644.7633	11	E	3	385.2173	193.1123
1389.5670	695.2871	12	T	2	256.1747	128.5910
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$ATSMT$_{181}$PTHS$_{167}$PVR$_{166}$.K/2

0.8221

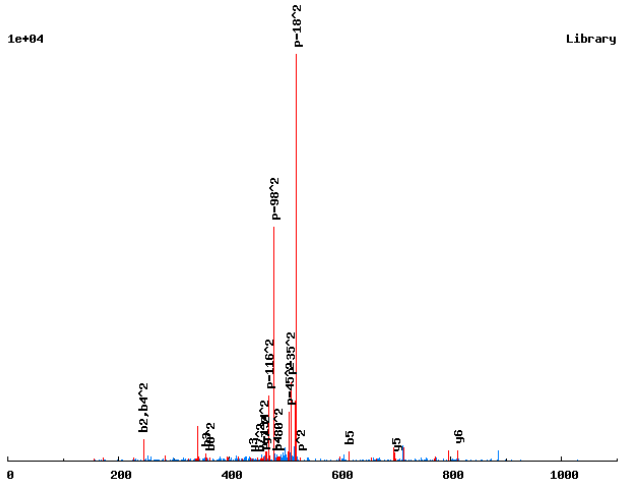


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	13		
183.0764	92.0419	2	A	12	1454.5774	**727.7924**
284.1241	142.5657	3	T	11	1383.5403	**692.2738**
371.1561	186.0817	4	S	10	**1282.4926**	**641.7500**
502.1966	251.6020	5	M	9	1195.4606	**598.2339**
683.2106	342.1090	6	T[181]	8	**1064.4201**	**532.7137**
780.2634	390.6353	7	P	7	**883.4061**	442.2067
881.3111	441.1592	8	T	6	786.3533	**393.6803**
1018.3700	509.6886	9	H	5	**685.3057**	343.1565
1185.3683	**593.1878**	10	S[167]	4	**548.2468**	274.6270
1282.4211	**641.7142**	11	P	3	**381.2484**	191.1278
1381.4895	691.2484	12	V	2	284.1956	142.6015
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.QDIEELT$_{181}$K.E/2

0.7748

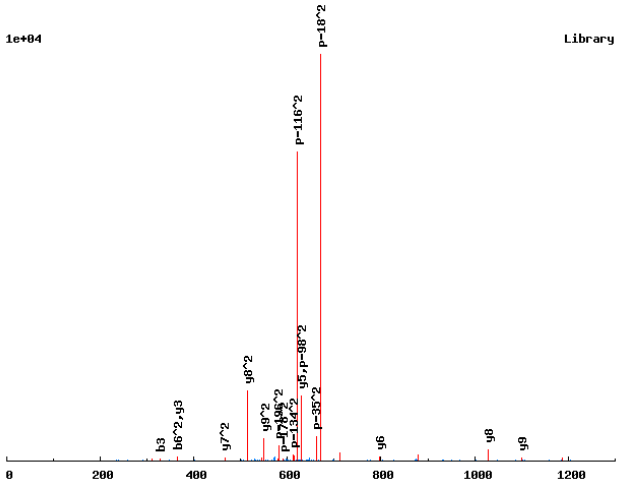


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	8		
244.0928	122.5500	2	D	7	927.4071	**464.2072**
357.1769	179.0921	3	I	6	**812.3801**	406.6937
486.2194	**243.6134**	4	E	5	**699.2961**	350.1517
615.2620	308.1347	5	E	4	570.2535	285.6304
728.3461	**364.6767**	6	L	3	**441.2109**	221.1091
909.3601	**455.1837**	7	T[181]	2	328.1268	164.5670
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.QEAPK$_{136}$S$_{167}$PS$_{167}$PLK$_{136}$.S/2

0.9645

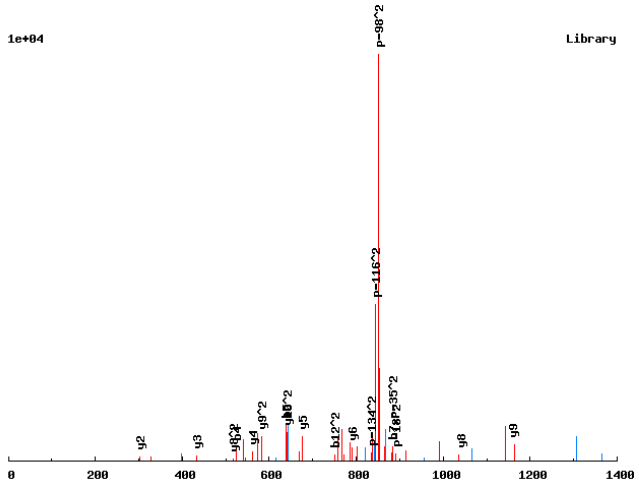


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	11		
258.1085	129.5579	2	E	10	1229.5549	615.2811
329.1456	165.0764	3	A	9	**1100.5123**	**550.7598**
426.1983	213.6028	4	P	8	**1029.4752**	**515.2413**
562.3075	281.6574	5	K[136]	7	932.4225	**466.7149**
729.3058	**365.1566**	6	S[167]	6	**796.3133**	398.6603
826.3586	413.6829	7	P	5	**629.3149**	315.1611
993.3570	497.1821	8	S[167]	4	532.2622	266.6347
1090.4097	545.7085	9	P	3	**365.2638**	183.1355
1203.4938	602.2505	10	L	2	268.2111	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$ES$_{167}$DDEDEDDEEKR.L/2

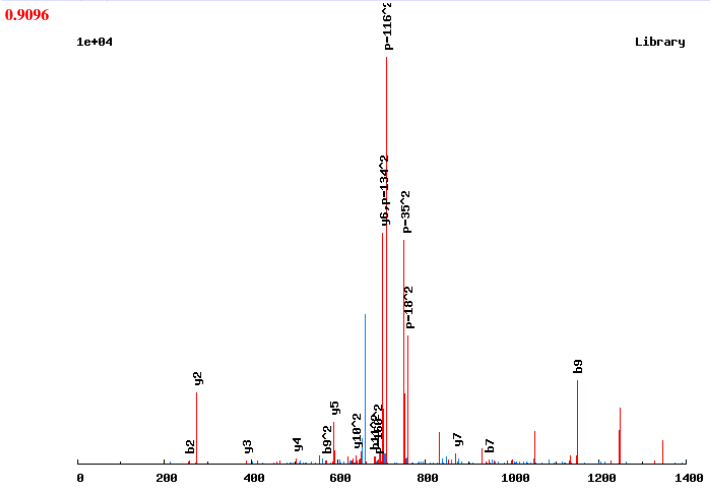
0.9752



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	14		
241.0819	121.0446	2	E	13	1690.5599	845.7836
408.0803	204.5438	3	S[167]	12	1561.5173	781.2623
523.1072	262.0572	4	D	11	1394.5190	697.7631
638.1341	319.5707	5	D	10	1279.4920	**640.2497**
767.1767	384.0920	6	E	9	**1164.4651**	**582.7362**
882.2037	441.6055	7	D	8	**1035.4225**	**518.2149**
1011.2463	506.1268	8	E	7	920.3956	460.7014
1126.2732	563.6402	9	D	6	**791.3530**	396.1801
1241.3001	621.1537	10	D	5	**676.3260**	338.6667
1370.3427	685.6750	11	E	4	**561.2991**	281.1532
1499.3853	**750.1963**	12	E	3	**432.2565**	216.6319
1627.4803	814.2438	13	K	2	**303.2139**	152.1106
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.QESRS$_{167}$S$_{167}$LSNDVR.S/2

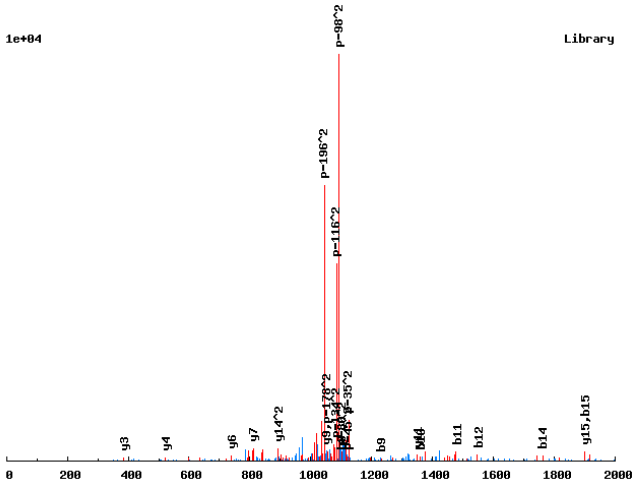


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	12		
258.1085	129.5579	2	E	11	1409.5458	705.2765
345.1405	173.0739	3	S	10	1280.5032	**640.7552**
501.2416	251.1244	4	R	9	1193.4712	597.2392
668.2400	334.6236	5	S[167]	8	1037.3700	519.1887
835.2383	418.1228	6	S[167]	7	**870.3717**	435.6895
948.3224	474.6648	7	L	6	**703.3733**	352.1903
1035.3544	518.1808	8	S	5	**590.2893**	295.6483
1149.3973	**575.2023**	9	N	4	**503.2572**	252.1323
1264.4243	632.7158	10	D	3	**389.2143**	195.1108
1363.4927	**682.2500**	11	V	2	**274.1874**	137.5973
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$FEDHQS$_{167}$S$_{167}$EEDASEK$_{136}$DSR$_{166}$.Q/2

0.606

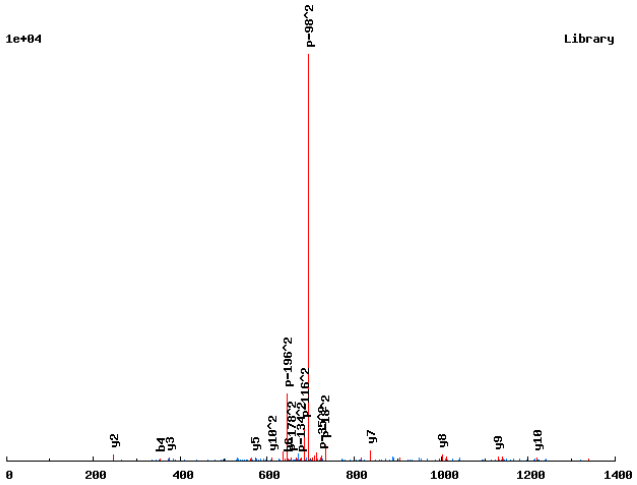


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	18		
259.1077	130.0575	2	F	17	2173.7713	1087.3893
388.1503	194.5788	3	E	16	2026.7029	1013.8551
503.1773	252.0923	4	D	15	**1897.6603**	949.3338
640.2362	320.6217	5	H	14	1782.6334	**891.8203**
768.2947	384.6510	6	Q	13	1645.5745	823.2909
935.2931	468.1502	7	S[167]	12	1517.5159	759.2616
1102.2915	551.6494	8	S[167]	11	**1350.5176**	675.7624
1231.3341	616.1707	9	E	10	1183.5192	592.2632
1360.3766	680.6920	10	E	9	**1054.4766**	527.7419
1475.4036	738.2054	11	D	8	925.4340	463.2206
1546.4407	773.7240	12	A	7	**810.4071**	405.7072
1633.4727	817.2400	13	S	6	**739.3700**	370.1886
1762.5153	881.7613	14	E	5	652.3379	326.6726
1898.6245	949.8159	15	K[136]	4	**523.2953**	262.1513
2013.6514	1007.3293	16	D	3	**387.1862**	194.0967
2100.6834	1050.8454	17	S	2	272.1592	136.5833
		18	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$GPSES$_{167}$PS$_{167}$PTKVK.S/2

0.7933

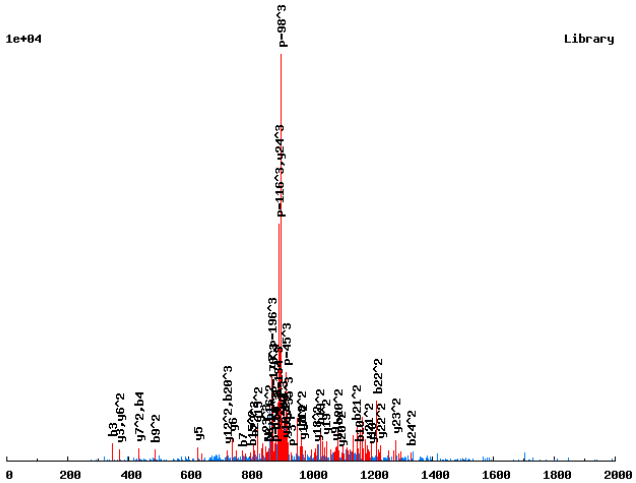


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	13		
169.0608	85.0340	2	G	12	1373.5749	687.2911
266.1135	133.5604	3	P	11	1316.5535	658.7804
353.1456	177.0764	4	S	10	**1219.5007**	**610.2540**
482.1882	241.5977	5	E	9	**1132.4687**	566.7380
649.1865	325.0969	6	S[167]	8	**1003.4261**	502.2167
746.2393	373.6233	7	P	7	**836.4277**	418.7175
913.2376	457.1225	8	S[167]	6	739.3750	370.1911
1010.2904	505.6488	9	P	5	**572.3766**	286.6919
1111.3381	556.1727	10	T	4	475.3238	238.1656
1239.4330	620.2202	11	K	3	**374.2762**	187.6417
1338.5014	669.7544	12	V	2	**246.1812**	123.5942
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$HVSS$_{167}$TASIT$_{181}$SGGHNDLVQIEQPQK.D/3

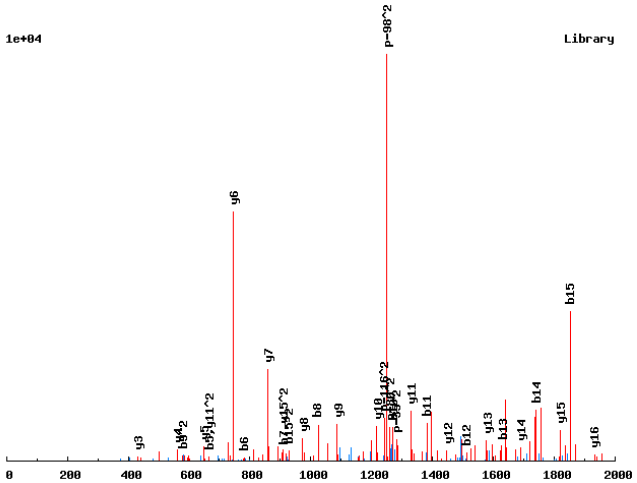
0.9972



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	25			
249.0982	125.0528	83.7043	2	H	24	2693.1968	1347.1020	**898.4038**
348.1666	174.5870	116.7271	3	V	23	2556.1378	**1278.5726**	**852.7175**
435.1987	218.1030	145.7377	4	S	22	2457.0694	**1229.0384**	819.6947
602.1970	301.6022	201.4039	5	S[167]	21	2370.0374	**1185.5223**	790.6840
703.2447	352.1260	235.0864	6	T	20	2203.0390	**1102.0232**	735.0179
774.2818	387.6445	258.7655	7	A	19	2101.9914	**1051.4993**	701.3353
861.3138	431.1606	287.7761	8	S	18	2030.9543	**1015.9808**	677.6563
974.3979	**487.7026**	325.4708	9	I	17	1943.9222	**972.4648**	648.6456
1155.4119	578.2096	385.8088	10	T[181]	16	1830.8382	**915.9227**	610.9509
1242.4439	621.7256	414.8195	11	S	15	1649.8241	**825.4157**	550.6129
1299.4654	650.2363	433.8267	12	G	14	1562.7921	781.8997	521.6022
1356.4869	678.7471	452.8338	13	G	13	1505.7707	753.3890	502.5951
1493.5458	747.2765	498.5201	14	H	12	1448.7492	**724.8782**	483.5879
1607.5887	**804.2980**	536.5344	15	N	11	1311.6903	656.3488	437.9016
1722.6156	**861.8115**	574.8767	16	D	10	**1197.6474**	599.3273	399.8873
1835.6997	**918.3535**	612.5714	17	L	9	**1082.6204**	541.8139	361.5450
1934.7681	**967.8877**	645.5942	18	V	8	**969.5364**	485.2718	323.8503
2062.8267	**1031.9170**	688.2804	19	Q	7	**870.4680**	**435.7376**	290.8275
2175.9108	**1088.4590**	**725.9751**	20	I	6	**742.4094**	**371.7083**	248.1413
2304.9533	**1152.9803**	768.9893	21	E	5	**629.3253**	315.1663	210.4466
2433.0119	**1217.0096**	**811.6755**	22	Q	4	500.2827	250.6450	167.4324
2530.0647	1265.5360	844.0264	23	P	3	**372.2241**	186.6157	124.7462
2658.1233	**1329.5653**	**886.7126**	24	Q	2	275.1714	138.0893	92.3953
			25	K	1	147.1128	74.0600	49.7091

K.Q$_{111}$KES$_{167}$EDEDEDDEIIDPSEWVK.E/2

0.9794

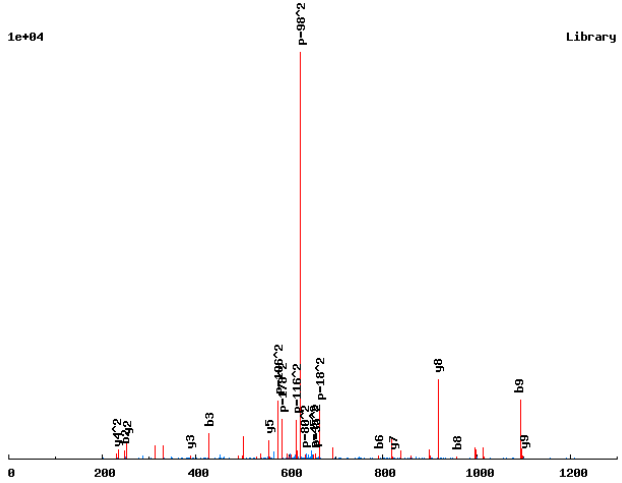


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	21		
240.1343	120.5708	2	K	20	2486.9970	1244.0021
369.1769	185.0921	3	E	19	2358.9020	1179.9547
536.1752	268.5913	4	S[167]	18	2229.8594	1115.4334
665.2178	333.1125	5	E	17	2062.8611	1031.9342
780.2448	390.6260	6	D	16	**1933.8185**	967.4129
909.2873	455.1473	7	E	15	**1818.7916**	**909.8994**
1024.3143	512.6608	8	D	14	**1689.7490**	845.3781
1153.3569	**577.1821**	9	E	13	**1574.7220**	787.8646
1268.3838	634.6955	10	D	12	**1445.6794**	723.3434
1383.4108	692.2090	11	D	11	**1330.6525**	**665.8299**
1512.4533	756.7303	12	E	10	**1215.6255**	608.3164
1625.5374	813.2723	13	I	9	**1086.5830**	543.7951
1738.6215	869.8144	14	I	8	**973.4989**	487.2531
1853.6484	**927.3278**	15	D	7	**860.4148**	430.7111
1950.7012	975.8542	16	P	6	**745.3879**	373.1976
2037.7332	1019.3702	17	S	5	**648.3351**	324.6712
2166.7758	1083.8915	18	E	4	**561.3031**	281.1552
2352.8551	1176.9312	19	W	3	**432.2605**	216.6339
2451.9235	1226.4654	20	V	2	246.1812	123.5942
		21	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$K$_{136}$T$_{181}$PPS$_{167}$PAK$_{136}$PK$_{136}$.Q/2

0.8318

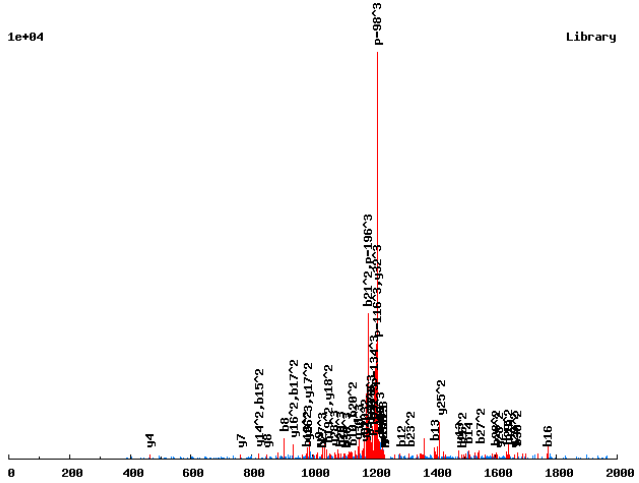


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	11		
248.1485	124.5779	2	K[136]	10	1234.6058	617.8066
429.1625	215.0849	3	T[181]	9	**1098.4967**	549.7520
526.2152	263.6113	4	P	8	**917.4827**	459.2450
623.2680	312.1376	5	P	7	**820.4299**	410.7186
790.2664	395.6368	6	S[167]	6	723.3771	362.1922
887.3191	444.1632	7	P	5	**556.3788**	278.6930
958.3562	479.6818	8	A	4	459.3260	**230.1667**
1094.4654	547.7363	9	K[136]	3	**388.2889**	194.6481
1191.5182	596.2627	10	P	2	**252.1798**	126.5935
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$LALDEHDSHSAILEQPSHS$_{167}$TNC$_{160}$SS$_{167}$SNIAAMNK.G/3

0.9997

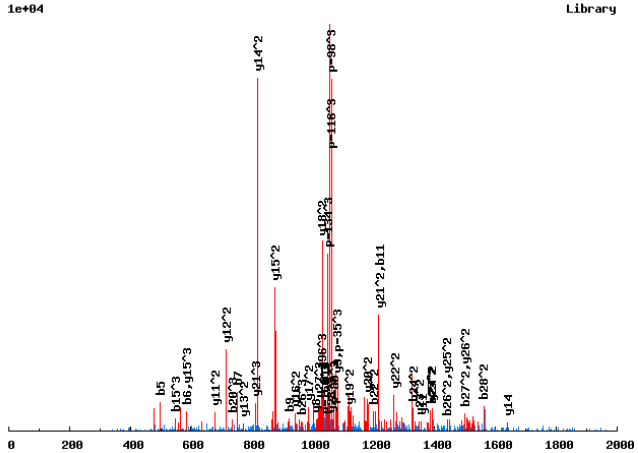


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	33			
225.1234	113.0653	75.7126	2	L	32	3624.5132	1812.7602	**1208.8426**
296.1605	148.5839	99.3917	3	A	31	3511.4291	1756.2182	**1171.1479**
409.2445	205.1259	137.0864	4	L	30	3440.3920	1720.6996	**1147.4688**
524.2715	262.6394	175.4287	5	D	29	3327.3079	**1664.1576**	1109.7742
653.3141	327.1607	218.4429	6	E	28	3212.2810	**1606.6441**	**1071.4318**
790.3730	395.6901	264.1292	7	H	27	3083.2384	1542.1228	1028.4177
905.3999	453.2036	302.4715	8	D	26	2946.1795	1473.5934	**982.7313**
992.4320	496.7196	331.4822	9	S	25	2831.1525	**1416.0799**	944.3890
1129.4909	565.2491	377.1685	10	H	24	2744.1205	1372.5639	915.3784
1216.5229	608.7651	406.1792	11	S	23	2607.0616	1304.0344	869.6921
1287.5600	644.2836	429.8582	12	A	22	2520.0296	1260.5184	840.6814
1400.6441	700.8257	467.5529	13	I	21	2448.9925	**1224.9999**	817.0023
1513.7281	757.3677	505.2476	14	L	20	2335.9084	**1168.4578**	779.3077
1642.7707	**821.8890**	548.2618	15	E	19	2222.8243	1111.9158	741.6130
1770.8293	885.9183	590.9480	16	Q	18	2093.7818	**1047.3945**	698.5988
1867.8821	**934.4447**	623.2989	17	P	17	1965.7232	**983.3652**	655.9126
1954.9141	**977.9607**	652.3095	18	S	16	1868.6704	**934.8388**	623.5617
2091.9730	**1046.4901**	697.9959	19	H	15	1781.6384	891.3228	594.5510
2258.9714	**1129.9893**	753.6620	20	S[167]	14	1644.5795	**822.7934**	548.8647
2360.0190	**1180.5132**	787.3445	21	T	13	**1477.5811**	739.2942	493.1986
2474.0620	1237.5346	825.3588	22	N	12	1376.5334	688.7704	459.5160
2634.0926	**1317.5499**	878.7024	23	C[160]	11	1262.4905	631.7489	421.5017
2721.1246	1361.0660	907.7131	24	S	10	**1102.4599**	551.7336	368.1581
2888.1230	1444.5651	963.3792	25	S[167]	9	**1015.4278**	508.2176	339.1475
2975.1550	**1488.0812**	992.3899	26	S	8	**848.4295**	424.7184	283.4813
3089.1980	**1545.1026**	**1030.4042**	27	N	7	**761.3974**	381.2024	254.4707
3202.2820	**1601.6447**	1068.0989	28	I	6	647.3545	324.1809	216.4564
3273.3191	**1637.1632**	**1091.7779**	29	A	5	534.2704	267.6389	178.7617
3344.3562	**1672.6818**	**1115.4569**	30	A	4	**463.2333**	232.1203	155.0826
3475.3967	1738.2020	1159.1371	31	M	3	392.1962	196.6017	131.4036
3589.4397	1795.2235	**1197.1514**	32	N	2	261.1557	131.0815	87.7234
			33	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$LGNTSS$_{167}$VANT$_{181}$PSEIPDAHK$_{136}$AEQEDIIEK$_{136}$.T/3

0.9764

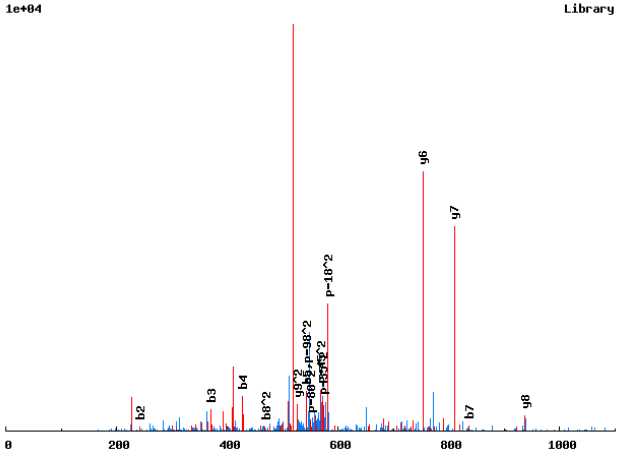


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	29			
225.1234	113.0653	75.7126	2	L	28	3169.4308	1585.2191	**1057.1485**
282.1448	141.5761	94.7198	3	G	27	3056.3468	1528.6770	**1019.4538**
396.1878	198.5975	132.7341	4	N	26	2999.3253	**1500.1663**	1000.4466
497.2354	249.1214	166.4167	5	T	25	2885.2824	**1443.1448**	962.4323
584.2675	292.6374	195.4273	6	S	24	2784.2347	**1392.6210**	928.7497
751.2658	376.1366	251.0935	7	S[167]	23	2697.2027	**1349.1050**	899.7391
850.3342	425.6708	284.1163	8	V	22	2530.2043	**1265.6058**	844.0730
921.3714	461.1893	307.7953	9	A	21	2431.1359	**1216.0716**	**811.0501**
1035.4143	518.2108	345.8096	10	N	20	2360.0988	**1180.5530**	787.3711
1216.4283	608.7178	406.1476	11	T[181]	19	2246.0558	**1123.5316**	749.3568
1313.4811	657.2442	438.4985	12	P	18	2065.0418	**1033.0246**	689.0188
1400.5131	700.7602	467.5092	13	S	17	1967.9891	**984.4982**	656.6679
1529.5557	765.2815	510.5234	14	E	16	1880.9570	**940.9822**	627.6572
1642.6397	821.8235	**548.2181**	15	I	15	1751.9145	**876.4609**	**584.6430**
1739.6925	870.3499	580.5690	16	P	14	**1638.8304**	**819.9188**	546.9483
1854.7194	927.8634	618.9113	17	D	13	1541.7776	**771.3925**	514.5974
1925.7565	963.3819	642.5904	18	A	12	1426.7507	**713.8790**	476.2551
2062.8155	1031.9114	688.2767	19	H	11	**1355.7136**	**678.3604**	452.5760
2198.9246	1099.9659	**733.6464**	20	K[136]	10	1218.6547	609.8310	406.8897
2269.9617	1135.4845	757.3254	21	A	9	**1082.5455**	541.7764	361.5200
2399.0043	**1200.0058**	800.3396	22	E	8	**1011.5084**	506.2578	337.8410
2527.0629	1264.0351	843.0258	23	Q	7	882.4658	441.7365	294.8268
2656.1055	**1328.5564**	886.0400	24	E	6	754.4072	377.7073	252.1406
2771.1324	**1386.0699**	924.3823	25	D	5	625.3646	313.1860	209.1264
2884.2165	**1442.6119**	**962.0770**	26	I	4	510.3377	255.6725	170.7841
2997.3005	**1499.1539**	999.7717	27	I	3	397.2536	199.1305	133.0894
3126.3431	**1563.6752**	1042.7859	28	E	2	284.1696	142.5884	95.3947
			29	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.QLQGNS$_{167}$KPVK.N/2

0.694

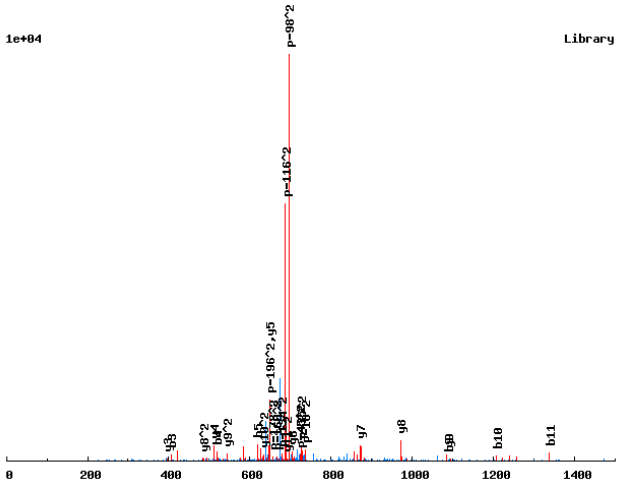


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	10		
242.1499	121.5786	2	L	9	1050.5343	**525.7708**
370.2085	185.6079	3	Q	8	**937.4503**	469.2288
427.2300	214.1186	4	G	7	**809.3917**	405.1995
541.2729	271.1401	5	N	6	**752.3702**	376.6888
708.2713	354.6393	6	S[167]	5	638.3273	319.6673
836.3662	418.6867	7	K	4	471.3289	236.1681
933.4190	**467.2131**	8	P	3	343.2340	172.1206
1032.4874	516.7473	9	V	2	246.1812	123.5942
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$LT$_{181}$ITS$_{167}$GK$_{136}$NIEK$_{136}$D/2

0.7436

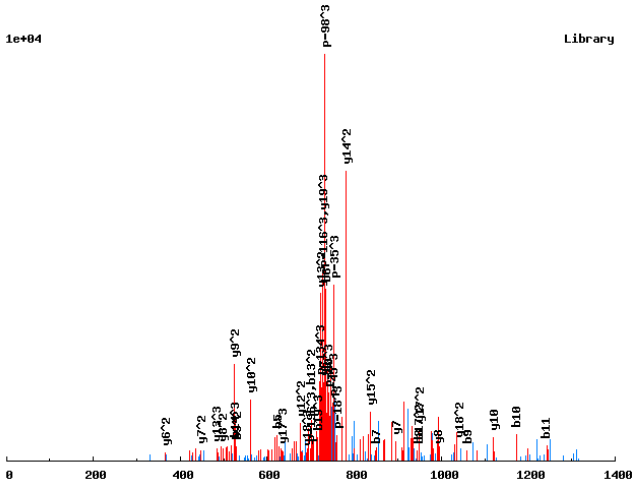


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	12		
225.1234	113.0653	2	L	11	1379.6554	**690.3313**
406.1374	203.5723	3	T[181]	10	1266.5713	**633.7893**
519.2214	260.1144	4	I	9	**1085.5573**	**543.2823**
620.2691	310.6382	5	T	8	**972.4732**	**486.7403**
787.2675	394.1374	6	S[167]	7	**871.4256**	436.2164
844.2889	422.6481	7	G	6	**704.4272**	352.7172
980.3981	490.7027	8	K[136]	5	**647.4057**	324.2065
1094.4410	547.7242	9	N	4	**511.2966**	256.1519
1207.5251	604.2662	10	I	3	**397.2536**	199.1305
1336.5677	668.7875	11	E	2	284.1696	142.5884
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$NS$_{167}$NNINPLDAGPS$_{167}$FSPLHK.K/3

0.9893

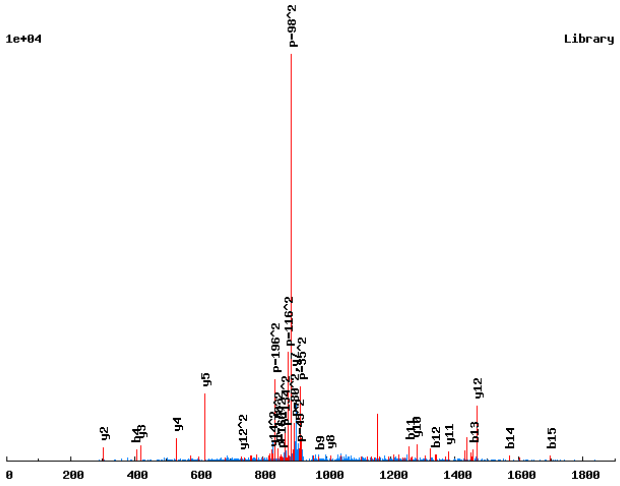


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	20			
226.0822	113.5448	76.0323	2	N	19	2181.9366	1091.4719	**727.9837**
393.0806	197.0439	131.6984	3	S[167]	18	2067.8936	**1034.4505**	**689.9694**
507.1235	254.0654	169.7127	4	N	17	1900.8953	**950.9513**	**634.3033**
621.1665	311.0869	207.7270	5	N	16	1786.8523	893.9298	596.2890
734.2505	367.6289	245.4217	6	I	15	1672.8094	**836.9083**	558.2747
848.2935	424.6504	283.4360	7	N	14	1559.7254	**780.3663**	520.5800
945.3462	473.1767	315.7869	8	P	13	1445.6824	**723.3449**	**482.5657**
1058.4303	**529.7188**	353.4816	9	L	12	1348.6297	**674.8185**	450.2147
1173.4572	587.2322	391.8239	10	D	11	1235.5456	618.2764	412.5201
1244.4943	622.7508	415.5030	11	A	10	**1120.5187**	**560.7630**	374.1777
1301.5158	651.2615	434.5101	12	G	9	1049.4816	**525.2444**	350.4987
1398.5685	**699.7879**	466.8610	13	P	8	**992.4601**	**496.7337**	331.4916
1565.5669	783.2871	**522.5272**	14	S[167]	7	**895.4073**	**448.2073**	299.1406
1712.6353	856.8213	571.5500	15	F	6	**728.4090**	**364.7081**	243.4745
1799.6673	900.3373	600.5606	16	S	5	581.3406	291.1739	194.4517
1896.7201	**948.8637**	632.9116	17	P	4	494.3085	247.6579	165.4410
2009.8042	1005.4057	670.6062	18	L	3	397.2558	199.1315	133.0901
2146.8631	1073.9352	**716.2925**	19	H	2	284.1717	142.5895	95.3954
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$PPVSTST$_{181}$NS$_{167}$LSLDQR.S/2

0.9881

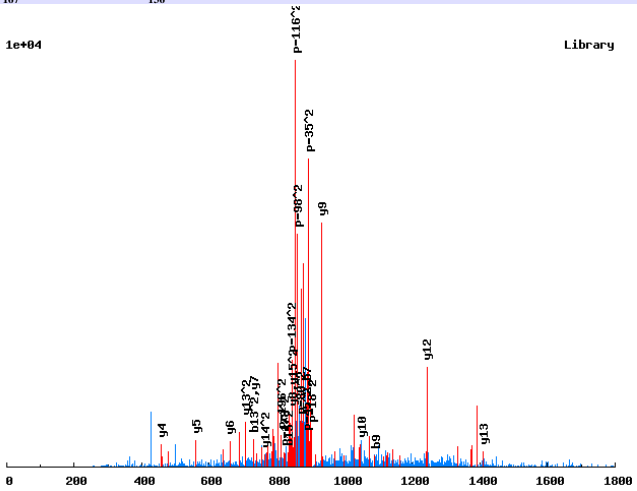


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	16		
209.0921	105.0497	2	P	15	1761.7456	881.3764
306.1448	153.5761	3	P	14	1664.6928	**832.8501**
405.2132	203.1103	4	V	13	1567.6401	784.3237
492.2453	246.6263	5	S	12	**1468.5717**	**734.7895**
593.2930	297.1501	6	T	11	**1381.5396**	691.2735
680.3250	340.6661	7	S	10	**1280.4920**	640.7496
861.3390	431.1731	8	T[181]	9	1193.4599	597.2336
975.3819	488.1946	9	N	8	**1012.4459**	506.7266
1142.3803	571.6938	10	S[167]	7	**898.4030**	449.7051
1255.4643	628.2358	11	L	6	731.4046	366.2060
1342.4964	671.7518	12	S	5	**618.3206**	309.6639
1455.5804	728.2939	13	L	4	**531.2885**	266.1479
1570.6074	785.8073	14	D	3	**418.2045**	209.6059
1698.6660	849.8366	15	Q	2	**303.1775**	152.0924
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.QS$_{167}$IS$_{167}$PTLSNATTTTTK$_{136}$.S/2

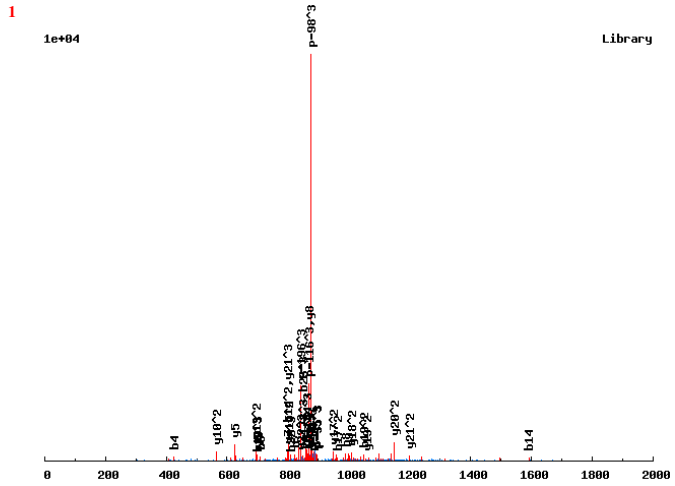
0.9074



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	16		
296.0642	148.5358	2	S[167]	15	1690.7428	**845.8750**
409.1483	205.0778	3	I	14	1523.7444	**762.3758**
576.1466	288.5770	4	S[167]	13	**1410.6603**	**705.8338**
673.1994	337.1033	5	P	12	**1243.6620**	622.3346
774.2471	387.6272	6	T	11	1146.6092	573.8082
887.3311	444.1692	7	L	10	**1045.5615**	523.2844
974.3632	487.6852	8	S	9	**932.4775**	466.7424
1088.4061	544.7067	9	N	8	**845.4454**	423.2264
1159.4432	580.2252	10	A	7	**731.4025**	366.2049
1260.4909	630.7491	11	T	6	**660.3654**	330.6863
1361.5386	681.2729	12	T	5	**559.3177**	280.1625
1462.5863	**731.7968**	13	T	4	**458.2700**	229.6387
1563.6339	782.3206	14	T	3	357.2224	179.1148
1664.6816	**832.8444**	15	T	2	256.1747	128.5910
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$SKVS$_{167}$DDS$_{167}$ESESGDKEATAPLIQR.K/3

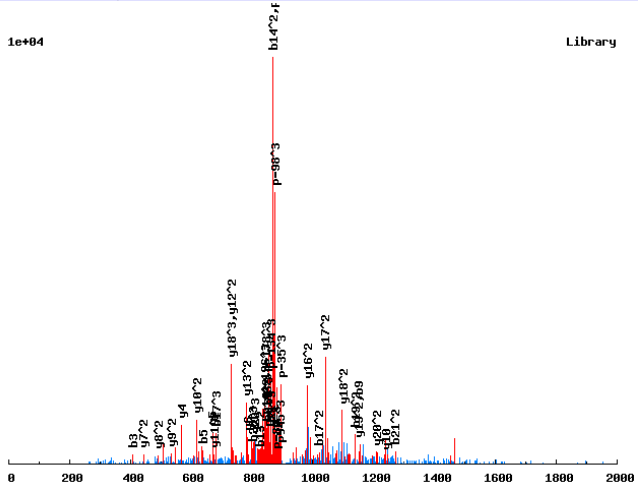


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	24			
199.0713	100.0393	67.0286	2	S	23	2609.1015	1305.0544	**870.3720**
327.1663	164.0868	109.7270	3	K	22	2522.0695	1261.5384	**841.3613**
426.2347	213.6210	142.7498	4	V	21	2393.9745	**1197.4909**	**798.6630**
593.2331	297.1202	198.4159	5	S[167]	20	2294.9061	**1147.9567**	765.6402
708.2600	354.6336	236.7582	6	D	19	2127.9077	**1064.4575**	709.9741
823.2870	412.1471	275.1005	7	D	18	2012.8808	**1006.9440**	671.6318
990.2853	495.6463	330.7666	8	S[167]	17	1897.8539	**949.4306**	633.2895
1119.3279	560.1676	373.7808	9	E	16	1730.8555	**865.9314**	577.6234
1206.3599	603.6836	402.7915	10	S	15	1601.8129	**801.4101**	534.6092
1335.4025	668.2049	445.8057	11	E	14	1514.7809	757.8941	505.5985
1422.4346	711.7209	474.8164	12	S	13	1385.7383	**693.3728**	462.5843
1479.4560	740.2316	493.8235	13	G	12	1298.7063	649.8568	433.5736
1594.4830	**797.7451**	532.1658	14	D	11	1241.6848	621.3460	414.5665
1722.5779	861.7926	574.8642	15	K	10	1126.6579	**563.8326**	376.2241
1851.6205	926.3139	617.8784	16	E	9	**998.5629**	499.7851	333.5258
1922.6576	**961.8324**	641.5574	17	A	8	**869.5203**	435.2638	290.5116
2023.7053	1012.3563	675.2400	18	T	7	**798.4832**	399.7452	266.8326
2094.7424	**1047.8748**	**698.9190**	19	A	6	**697.4355**	349.2214	233.1500
2191.7952	1096.4012	731.2699	20	P	5	**626.3984**	313.7028	209.4710
2304.8792	1152.9433	768.9646	21	L	4	529.3457	265.1765	177.1201
2417.9633	1209.4853	**806.6593**	22	I	3	416.2616	208.6344	139.4254
2546.0219	1273.5146	**849.3455**	23	Q	2	303.1775	152.0924	101.7307
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.QS$_{167}$LDLNFQEVNLS$_{167}$SPTLTQEHR.N/3

0.9741

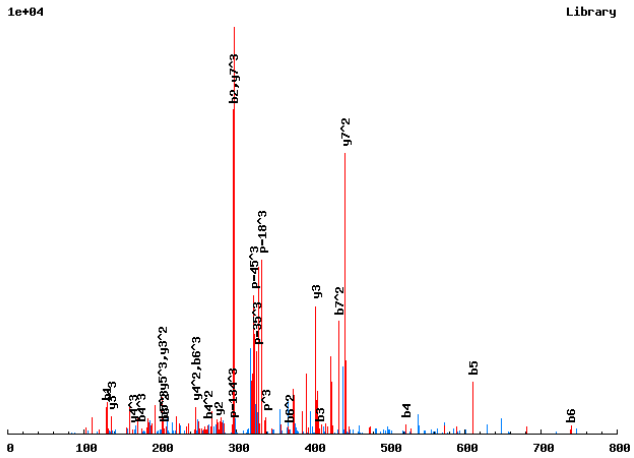


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.0659	65.0366	43.6935	1	Q	22			
296.0642	148.5358	99.3596	2	S[167]	21	2588.1429	1294.5751	**863.3858**
409.1483	205.0778	137.0543	3	L	20	2421.1446	**1211.0759**	**807.7197**
524.1752	262.5913	175.3966	4	D	19	2308.0605	**1154.5339**	770.0250
637.2593	319.1333	213.0913	5	L	18	2193.0336	**1097.0204**	**731.6827**
751.3022	376.1547	251.1056	6	N	17	2079.9495	**1040.4784**	693.9880
898.3706	449.6890	300.1284	7	F	16	1965.9066	**983.4569**	655.9737
1026.4292	513.7182	342.8146	8	Q	15	1818.8382	909.9227	606.9509
1155.4718	578.2395	385.8288	9	E	14	1690.7796	**845.8934**	564.2647
1254.5402	627.7737	418.8516	10	V	13	1561.7370	**781.3721**	521.2505
1368.5831	684.7952	456.8659	11	N	12	1462.6686	**731.8379**	488.2277
1481.6672	741.3372	494.5606	12	L	11	1348.6257	**674.8165**	450.2134
1648.6656	**824.8364**	550.2267	13	S[167]	10	**1235.5416**	**618.2744**	412.5187
1735.6976	**868.3524**	579.2374	14	S	9	1068.5432	**534.7753**	356.8526
1832.7503	916.8788	611.5883	15	P	8	981.5112	**491.2592**	327.8419
1933.7980	967.4027	645.2709	16	T	7	**884.4584**	**442.7329**	295.4910
2046.8821	**1023.9447**	**682.9655**	17	L	6	**783.4108**	392.2090	261.8084
2147.9298	1074.4685	716.6481	18	T	5	**670.3267**	335.6670	224.1138
2275.9883	**1138.4978**	759.3343	19	Q	4	**569.2790**	285.1432	190.4312
2405.0309	1203.0191	**802.3485**	20	E	3	441.2204	221.1139	147.7450
2542.0898	**1271.5486**	**848.0348**	21	H	2	312.1779	156.5926	104.7308
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.QS$_{167}$LNSKEK.E/3

0.6367

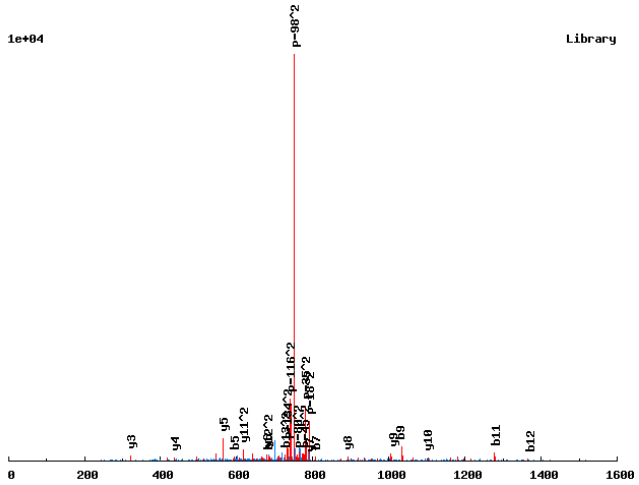


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.0659	65.0366	43.6935	**1**	**Q**	**8**			
296.0642	148.5358	99.3596	**2**	**S[167]**	**7**	885.4077	**443.2075**	**295.8074**
409.1483	**205.0778**	137.0543	**3**	**L**	**6**	718.4094	359.7083	240.1413
523.1912	**262.0992**	**175.0686**	**4**	**N**	**5**	605.3253	303.1663	**202.4466**
610.2232	305.6153	**204.0793**	**5**	**S**	**4**	491.2824	**246.1448**	**164.4323**
738.3182	**369.6627**	**246.7776**	**6**	**K**	**3**	**404.2503**	**202.6288**	**135.4216**
867.3608	**434.1840**	289.7918	**7**	**E**	**2**	**276.1554**	138.5813	92.7233
			8	**K**	**1**	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$S$_{167}$SKVNVIDKDSSK.N/2

0.8991

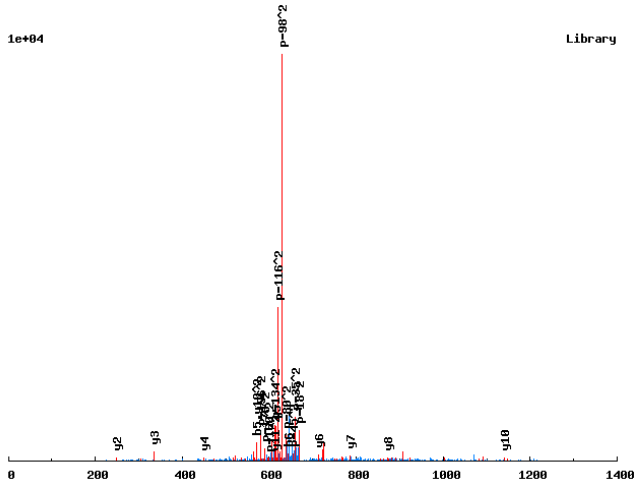


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	14		
279.0377	140.0225	2	S[167]	13	1486.7149	743.8611
366.0697	183.5385	3	S	12	1319.7165	660.3619
494.1647	247.5860	4	K	11	1232.6845	**616.8459**
593.2331	297.1202	5	V	10	**1104.5895**	552.7984
707.2760	354.1416	6	N	9	**1005.5211**	503.2642
806.3444	403.6758	7	V	8	**891.4782**	446.2427
919.4285	460.2179	8	I	7	**792.4098**	396.7085
1034.4554	517.7313	9	D	6	**679.3257**	340.1665
1162.5504	581.7788	10	K	5	**564.2988**	282.6530
1277.5773	639.2923	11	D	4	**436.2038**	218.6055
1364.6093	**682.8083**	12	S	3	**321.1769**	161.0921
1451.6414	**726.3243**	13	S	2	234.1448	117.5761
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.QSTS$_{167}$SAVS$_{167}$LSTK.N/2

0.8622

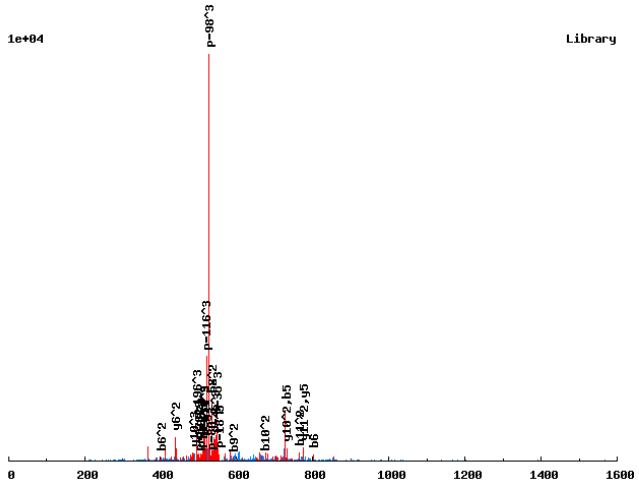


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	12		
216.0979	108.5526	2	S	11	1227.4906	**614.2489**
317.1456	159.0764	3	T	10	**1140.4585**	**570.7329**
484.1439	242.5756	4	S[167]	9	1039.4108	520.2091
571.1760	286.0916	5	S	8	**872.4125**	436.7099
642.2131	321.6102	6	A	7	**785.3805**	393.1939
741.2815	371.1444	7	V	6	**714.3433**	357.6753
908.2798	454.6436	8	S[167]	5	**615.2749**	308.1411
1021.3639	511.1856	9	L	4	**448.2766**	224.6419
1108.3959	554.7016	10	S	3	**335.1925**	168.0999
1209.4436	605.2254	11	T	2	**248.1605**	124.5839
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.QST$_{181}$S$_{167}$S$_{167}$AVS$_{167}$LS$_{167}$T$_{181}$K.N/3

0.8695

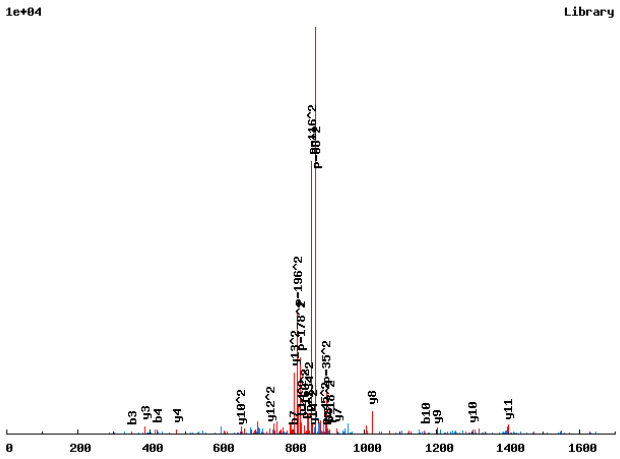


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.0659	65.0366	43.6935	1	Q	12			
216.0979	108.5526	72.7042	2	S	11	1547.3559	**774.1816**	**516.4568**
397.1119	199.0596	133.0422	3	T[181]	10	1460.3238	**730.6656**	**487.4461**
564.1103	282.5588	188.7083	4	S[167]	9	1279.3098	640.1586	427.1081
731.1086	366.0580	244.3744	5	S[167]	8	1112.3115	556.6594	371.4420
802.1457	**401.5765**	268.0534	6	A	7	945.3131	473.1602	315.7759
901.2141	451.1107	301.0762	7	V	6	874.2760	**437.6416**	292.0969
1068.2125	**534.6099**	356.7424	8	S[167]	5	**775.2076**	388.1074	259.0741
1181.2966	**591.1519**	394.4370	9	L	4	608.2092	304.6083	203.4079
1348.2949	**674.6511**	450.1032	10	S[167]	3	495.1252	248.0662	165.7132
1529.3089	**765.1581**	**510.4412**	11	T[181]	2	328.1268	164.5670	110.0471
			12	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$THAPTT$_{181}$PNRT$_{181}$SPNR.S/2

0.7268

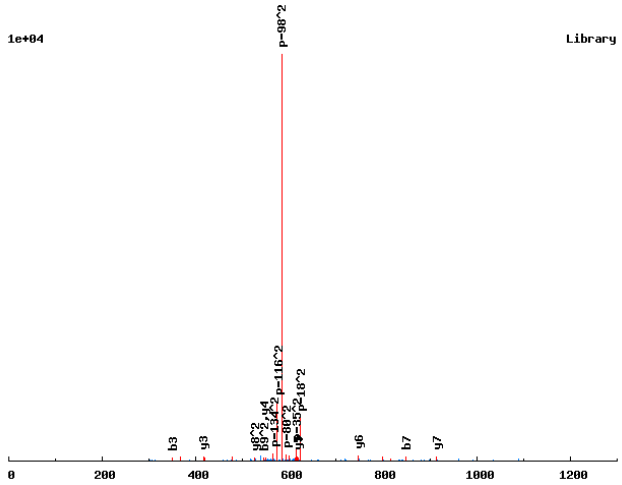


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	15		
213.0870	107.0471	2	T	14	1709.7156	**855.3615**
350.1459	175.5766	3	H	13	1608.6680	**804.8376**
421.1830	211.0951	4	A	12	1471.6090	**736.3082**
518.2358	259.6215	5	P	11	**1400.5719**	700.7896
619.2835	310.1454	6	T	10	**1303.5192**	**652.2632**
800.2975	400.6524	7	T[181]	9	**1202.4715**	601.7394
897.3502	449.1788	8	P	8	**1021.4575**	511.2324
1011.3932	506.2002	9	N	7	**924.4047**	462.7060
1167.4943	584.2508	10	R	6	810.3618	405.6845
1348.5083	674.7578	11	T[181]	5	654.2607	327.6340
1435.5403	718.2738	12	S	4	**473.2467**	237.1270
1532.5931	766.8002	13	P	3	**386.2146**	193.6110
1646.6360	**823.8216**	14	N	2	289.1619	145.0846
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$THS$_{167}$MAELKR.F/2

0.9934

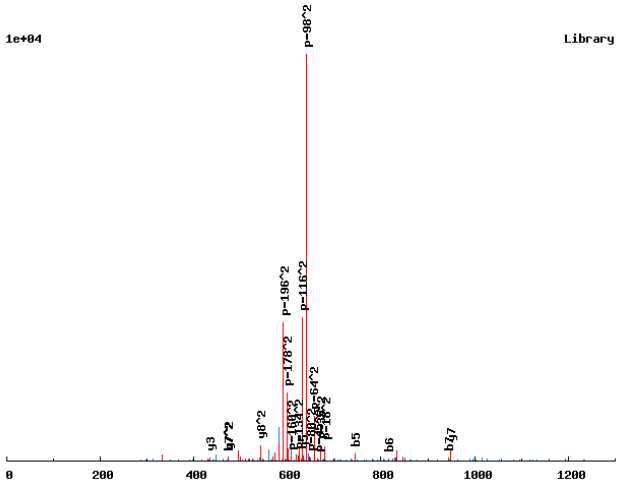


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	10		
213.0870	107.0471	2	T	9	1152.5231	576.7652
350.1459	175.5766	3	H	8	1051.4754	**526.2414**
517.1443	259.0758	4	S[167]	7	**914.4165**	457.7119
648.1848	324.5960	5	M	6	**747.4182**	374.2127
719.2219	360.1146	6	A	5	**616.3777**	308.6925
848.2645	424.6359	7	E	4	**545.3406**	273.1739
961.3485	481.1779	8	L	3	**416.2980**	208.6526
1089.4435	**545.2254**	9	K	2	303.2139	152.1106
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$T$_{181}$HS$_{167}$M$_{147}$AELK$_{136}$R$_{166}$.F/2

0.8372

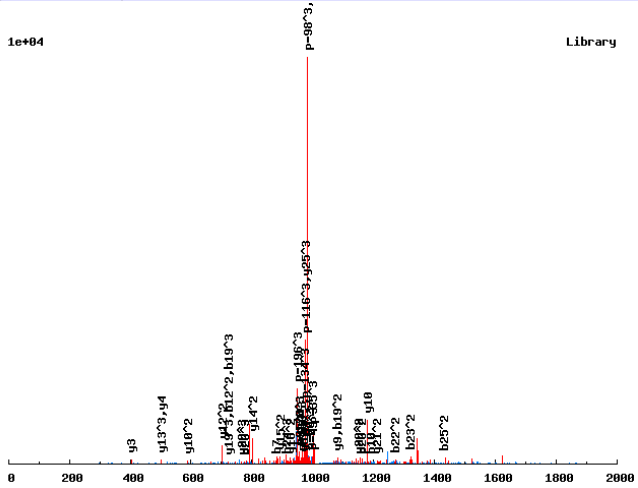


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	10		
293.0533	147.0303	2	T[181]	9	1266.5068	633.7570
430.1122	215.5598	3	H	8	1085.4928	**543.2500**
597.1106	299.0589	4	S[167]	7	**948.4339**	**474.7206**
744.1460	372.5766	5	M[147]	6	781.4355	391.2214
815.1831	408.0952	6	A	5	**634.4001**	317.7037
944.2257	**472.6165**	7	E	4	563.3630	282.1852
1057.3098	529.1585	8	L	3	**434.3204**	217.6639
1193.4189	597.2131	9	K[136]	2	321.2364	161.1218
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.Q$_{111}$T$_{181}$PTEEESHSAT$_{181}$PTPKPLSYSEVVER.S/3

0.5827

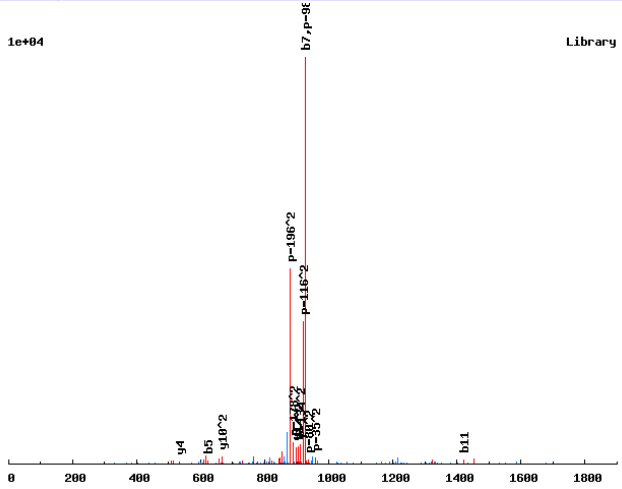


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	26			
293.0533	147.0303	98.3560	2	T[181]	25	2931.2696	1466.1385	**977.7614**
390.1061	195.5567	130.7069	3	P	24	2750.2556	1375.6315	917.4234
491.1538	246.0805	164.3894	4	T	23	2653.2029	1327.1051	885.0725
620.1964	310.6018	207.4036	5	E	22	2552.1552	1276.5812	851.3899
749.2389	375.1231	250.4178	6	E	21	2423.1126	**1212.0599**	808.3757
878.2815	439.6444	293.4320	7	E	20	2294.0700	**1147.5386**	**765.3615**
965.3136	483.1604	322.4427	8	S	19	2165.0274	1083.0173	**722.3473**
1102.3725	551.6899	368.1290	9	H	18	2077.9954	1039.5013	693.3366
1189.4045	595.2059	397.1397	10	S	17	1940.9365	**970.9719**	647.6503
1260.4416	630.7244	420.8187	11	A	16	1853.9044	**927.4559**	618.6397
1441.4556	**721.2315**	481.1567	12	T[181]	15	1782.8673	**891.9373**	594.9606
1538.5084	769.7578	513.5076	13	P	14	1601.8533	**801.4303**	534.6226
1639.5561	820.2817	547.1902	14	T	13	1504.8006	752.9039	**502.2717**
1736.6088	868.8081	579.5411	15	P	12	1403.7529	**702.3801**	468.5891
1864.7038	932.8555	622.2394	16	K	11	1306.7001	653.8537	436.2382
1961.7565	**981.3819**	654.5904	17	P	10	**1178.6052**	**589.8062**	393.5399
2074.8406	1037.9239	692.2851	18	L	9	**1081.5524**	541.2798	361.1890
2161.8726	**1081.4400**	**721.2957**	19	S	8	**968.4683**	484.7378	323.4943
2324.9360	**1162.9716**	**775.6502**	20	Y	7	881.4363	441.2218	294.4836
2411.9680	1206.4876	804.6609	21	S	6	718.3730	359.6901	240.1292
2541.0106	**1271.0089**	847.6750	22	E	5	631.3410	316.1741	211.1185
2640.0790	**1320.5431**	880.6979	23	V	4	**502.2984**	251.6528	168.1043
2739.1474	1370.0773	**913.7207**	24	V	3	**403.2299**	202.1186	135.0815
2868.1900	**1434.5986**	**956.7349**	25	E	2	304.1615	152.5844	102.0587
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$T$_{181}$SQDS$_{167}$HKHLDEQEK.N/2

0.9515

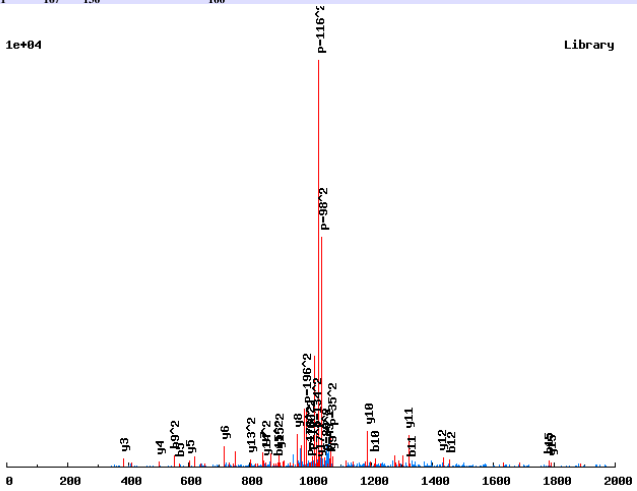


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	15		
293.0533	147.0303	2	T[181]	14	1841.7103	921.3588
380.0854	190.5463	3	S	13	1660.6963	830.8518
508.1439	254.5756	4	Q	12	1573.6642	787.3358
623.1709	312.0891	5	D	11	1445.6056	723.3065
790.1692	395.5883	6	S[167]	10	1330.5787	**665.7930**
927.2281	464.1177	7	H	9	1163.5803	582.2938
1055.3231	528.1652	8	K	8	1026.5214	513.7644
1192.3820	596.6946	9	H	7	**898.4265**	449.7169
1305.4661	653.2367	10	L	6	761.3676	381.1874
1420.4930	710.7501	11	D	5	648.2835	324.6454
1549.5356	775.2714	12	E	4	**533.2566**	267.1319
1677.5942	839.3007	13	Q	3	404.2140	202.6106
1806.6368	**903.8220**	14	E	2	276.1554	138.5813
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$T$_{181}$SSTS$_{167}$LK$_{136}$NDLELTDLSR$_{166}$.V/2

0.9286

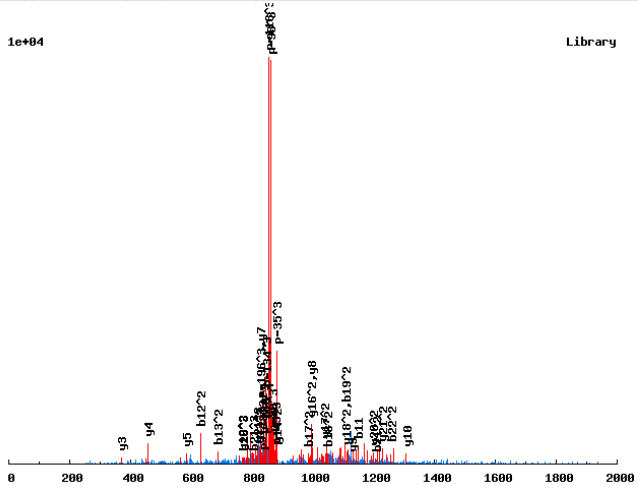


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
112.0393	56.5233	1	Q[111]	18		
293.0533	147.0303	2	T[181]	17	2057.9158	**1029.4616**
380.0854	190.5463	3	S	16	1876.9018	938.9546
467.1174	234.0623	4	S	15	**1789.8698**	**895.4385**
568.1651	284.5862	5	T	14	1702.8378	**851.9225**
735.1634	368.0854	6	S[167]	13	1601.7901	**801.3987**
848.2475	424.6274	7	L	12	**1434.7917**	717.8995
984.3566	492.6820	8	K[136]	11	**1321.7077**	661.3575
1098.3996	**549.7034**	9	N	10	**1185.5985**	593.3029
1213.4265	607.2169	10	D	9	**1071.5556**	536.2814
1326.5106	663.7589	11	L	8	**956.5286**	478.7680
1455.5532	728.2802	12	E	7	**843.4446**	422.2259
1568.6372	784.8223	13	L	6	**714.4020**	357.7046
1669.6849	835.3461	14	T	5	**601.3179**	301.1626
1784.7118	**892.8596**	15	D	4	**500.2702**	250.6388
1897.7959	949.4016	16	L	3	**385.2433**	193.1253
1984.8279	992.9176	17	S	2	272.1592	136.5833
		18	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.QVGSSK$_{136}$PEVIDLDT$_{181}$ES$_{167}$DQESTNK$_{136}$.T/3

0.9477

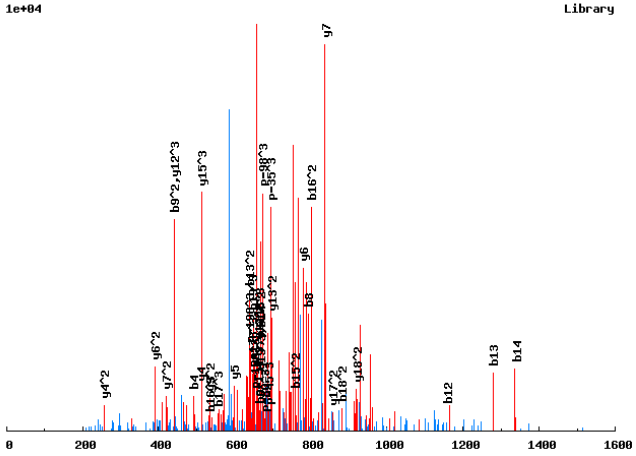


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
129.0659	65.0366	43.6935	1	Q	23			
228.1343	114.5708	76.7163	2	V	22	2554.0816	1277.5444	852.0320
285.1557	143.0815	95.7234	3	G	21	2455.0132	**1228.0102**	**819.0092**
372.1878	186.5975	124.7341	4	S	20	2397.9917	**1199.4995**	800.0021
459.2198	230.1135	153.7448	5	S	19	2310.9597	1155.9835	770.9914
595.3289	298.1681	199.1145	6	K[136]	18	2223.9276	**1112.4675**	741.9807
692.3817	346.6945	231.4654	7	P	17	2087.8185	**1044.4129**	696.6110
821.4243	411.2158	274.4796	8	E	16	1990.7657	**995.8865**	664.2601
920.4927	460.7500	307.5024	9	V	15	1861.7231	931.3652	621.2459
1033.5768	517.2920	345.1971	10	I	14	1762.6547	**881.8310**	588.2231
1148.6037	574.8055	383.5394	11	D	13	1649.5707	**825.2890**	550.5284
1261.6878	**631.3475**	421.2341	12	L	12	1534.5437	**767.7755**	512.1861
1376.7147	**688.8610**	459.5764	13	D	11	1421.4597	711.2335	474.4914
1557.7287	779.3680	519.9144	14	T[181]	10	**1306.4327**	653.7200	436.1491
1686.7713	**843.8893**	562.9286	15	E	9	**1125.4187**	563.2130	375.8111
1853.7697	927.3885	618.5947	16	S[167]	8	**996.3761**	498.6917	332.7969
1968.7966	**984.9019**	656.9371	17	D	7	**829.3777**	415.1925	277.1308
2096.8552	**1048.9312**	699.6233	18	Q	6	714.3508	357.6790	238.7885
2225.8978	**1113.4525**	742.6374	19	E	5	**586.2922**	293.6498	196.1023
2312.9298	1156.9685	**771.6481**	20	S	4	**457.2496**	229.1285	153.0881
2413.9775	**1207.4924**	**805.3307**	21	T	3	**370.2176**	185.6124	124.0774
2528.0204	**1264.5139**	843.3450	22	N	2	269.1699	135.0886	90.3948
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.Q$_{111}$YESSSGASNGLDGT$_{181}$SGVT$_{181}$R.D/3

0.7574

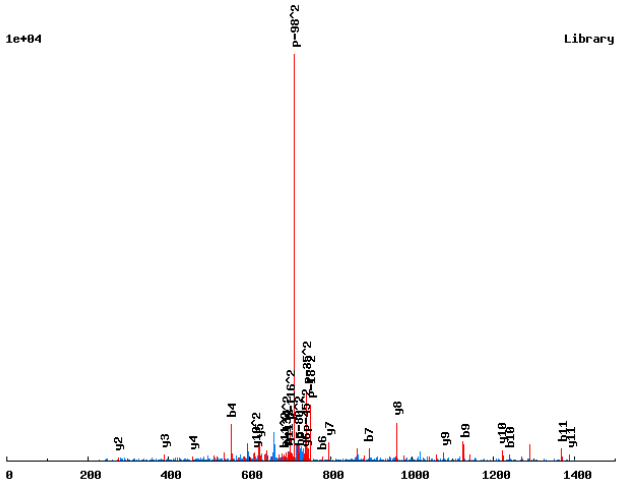


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
112.0393	56.5233	38.0180	1	Q[111]	20			
275.1026	138.0550	92.3724	2	Y	19	2004.7583	1002.8828	**668.9243**
404.1452	202.5763	135.3866	3	E	18	1841.6950	**921.3511**	614.5699
491.1773	246.0923	164.3973	4	S	17	1712.6524	**856.8298**	571.5557
578.2093	289.6083	193.4080	5	S	16	1625.6204	813.3138	542.5450
665.2413	333.1243	222.4186	6	S	15	1538.5884	769.7978	**513.5343**
722.2628	361.6350	241.4258	7	G	14	1451.5563	726.2818	484.5236
793.2999	397.1536	265.1048	8	A	13	1394.5349	**697.7711**	465.5165
880.3319	**440.6696**	294.1155	9	S	12	1323.4978	**662.2525**	**441.8374**
994.3749	497.6911	332.1298	10	N	11	1236.4657	618.7365	412.8268
1051.3963	526.2018	351.1370	11	G	10	1122.4228	561.7150	374.8125
1164.4804	582.7438	388.8316	12	L	9	1065.4013	**533.2043**	355.8053
1279.5073	**640.2573**	427.1740	13	D	8	952.3173	476.6623	318.1106
1336.5288	**668.7680**	446.1811	14	G	7	**837.2903**	**419.1488**	279.7683
1517.5428	**759.2750**	506.5191	15	T[181]	6	**780.2689**	**390.6381**	260.7611
1604.5748	**802.7910**	**535.5298**	16	S	5	**599.2549**	300.1311	200.4231
1661.5963	831.3018	**554.5369**	17	G	4	**512.2228**	**256.6151**	171.4125
1760.6647	**880.8360**	587.5597	18	V	3	455.2014	228.1043	152.4053
1941.6787	971.3430	**647.8978**	19	T[181]	2	356.1330	178.5701	119.3825
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.QYFDS$_{167}$GDYALKK.A/2

0.9979

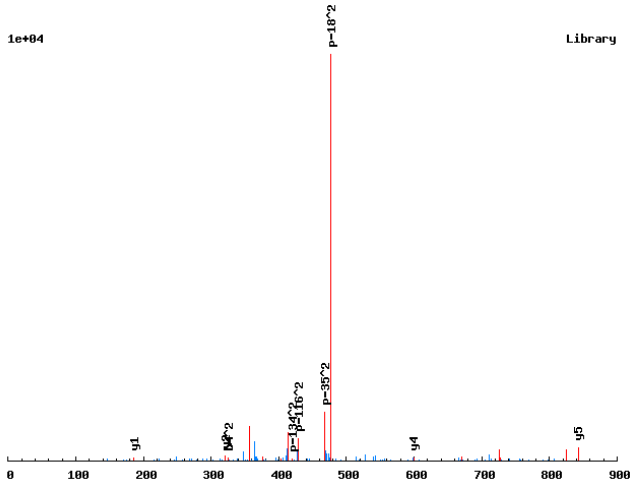


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	12		
292.1292	146.5682	2	Y	11	1386.5977	693.8025
439.1976	220.1024	3	F	10	1223.5344	612.2708
554.2245	277.6159	4	D	9	1076.4660	538.7366
721.2229	361.1151	5	S[167]	8	961.4390	481.2232
778.2444	389.6258	6	G	7	794.4407	397.7240
893.2713	447.1393	7	D	6	737.4192	369.2132
1056.3346	528.6710	8	Y	5	622.3923	311.6998
1127.3717	564.1895	9	A	4	459.3289	230.1681
1240.4558	620.7315	10	L	3	388.2918	194.6495
1368.5508	684.7790	11	K	2	275.2078	138.1075
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.QY$_{243}$YDK$_{136}$R$_{166}$.I/2

0.8037

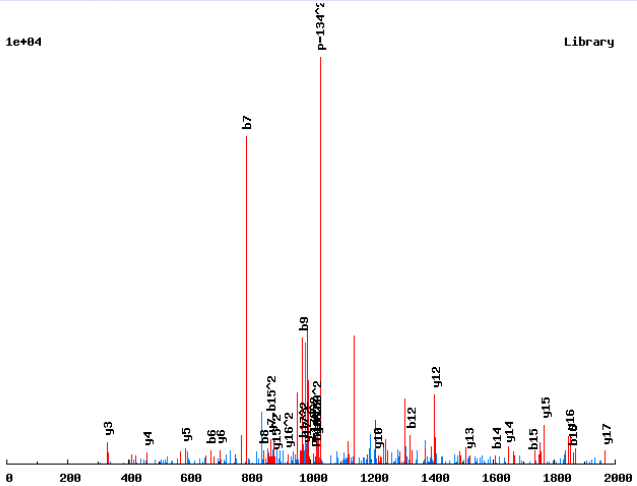


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
129.0659	65.0366	1	Q	6		
372.0955	186.5514	2	Y[243]	5	842.3563	421.6818
535.1589	268.0831	3	Y	4	599.3266	300.1670
650.1858	325.5965	4	D	3	436.2633	218.6353
786.2950	393.6511	5	K[136]	2	321.2364	161.1218
		6	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.RANSNEDGESVS$_{167}$S$_{167}$IQESPK.I/2

0.9999

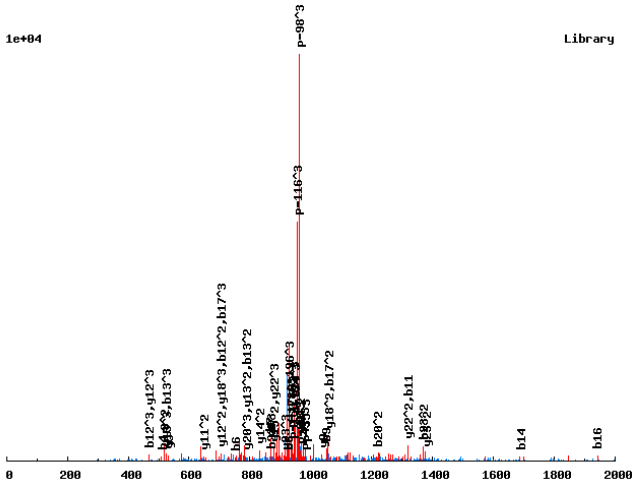


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	19		
228.1455	114.5764	2	A	18	2037.7686	**1019.3879**
342.1884	171.5979	3	N	17	**1966.7315**	**983.8694**
429.2205	215.1139	4	S	16	**1852.6885**	**926.8479**
543.2634	272.1353	5	N	15	**1765.6565**	**883.3319**
672.3060	336.6566	6	E	14	**1651.6136**	826.3104
787.3329	394.1701	7	D	13	**1522.5710**	761.7891
844.3544	422.6808	8	G	12	**1407.5440**	704.2757
973.3970	487.2021	9	E	11	1350.5226	675.7649
1060.4290	530.7181	10	S	10	**1221.4800**	611.2436
1159.4974	580.2523	11	V	9	1134.4480	567.7276
1326.4958	663.7515	12	S[167]	8	1035.3795	518.1934
1493.4941	747.2507	13	S[167]	7	**868.3812**	434.6942
1606.5782	803.7927	14	I	6	**701.3828**	351.1951
1734.6368	**867.8220**	15	Q	5	**588.2988**	294.6530
1863.6794	932.3433	16	E	4	**460.2402**	230.6237
1950.7114	**975.8593**	17	S	3	**331.1976**	166.1024
2047.7642	**1024.3857**	18	P	2	244.1656	122.5864
		19	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.RANS$_{167}$NEDGES$_{167}$VSS$_{167}$IQES$_{167}$PKISAQPK.A/3

0.988

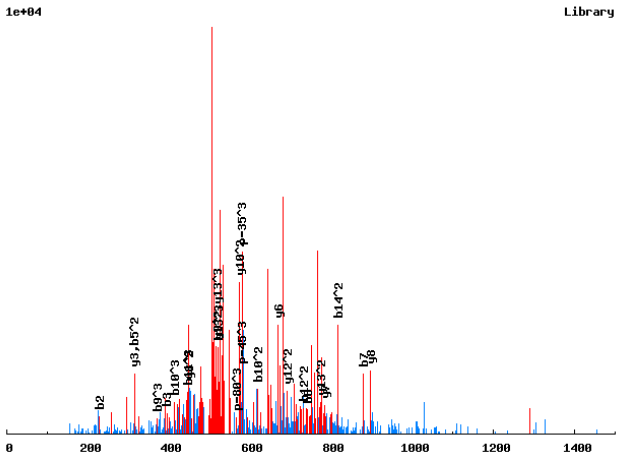


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	25			
228.1455	114.5764	76.7200	2	A	24	2822.0607	1411.5340	941.3584
342.1884	171.5979	114.7343	3	N	23	2751.0236	**1376.0154**	**917.6794**
509.1868	255.0970	170.4005	4	S[167]	22	2636.9807	**1318.9940**	**879.6651**
623.2297	312.1185	208.4148	5	N	21	2469.9823	1235.4948	823.9990
752.2723	376.6398	251.4290	6	E	20	2355.9394	1178.4733	**785.9847**
867.2993	434.1533	289.7713	7	D	19	2226.8968	1113.9520	742.9705
924.3207	462.6640	308.7784	8	G	18	2111.8699	**1056.4386**	**704.6281**
1053.3633	527.1853	351.7926	9	E	17	2054.8484	1027.9278	685.6210
1220.3617	610.6845	407.4587	10	S[167]	16	1925.8058	**963.4065**	642.6068
1319.4301	660.2187	440.4815	11	V	15	1758.8075	**879.9074**	586.9407
1406.4621	**703.7347**	**469.4922**	12	S	14	1659.7390	**830.3732**	553.9179
1573.4605	**787.2339**	**525.1583**	13	S[167]	13	1572.7070	**786.8571**	**524.9072**
1686.5445	843.7759	562.8530	14	I	12	1405.7087	**703.3580**	**469.2411**
1814.6031	907.8052	605.5392	15	Q	11	1292.6246	**646.8159**	431.5464
1943.6457	972.3265	648.5534	16	E	10	1164.5660	582.7866	388.8602
2110.6441	**1055.8257**	**704.2195**	17	S[167]	9	**1035.5234**	**518.2654**	345.8460
2207.6968	1104.3520	736.5705	18	P	8	**868.5251**	434.7662	290.1799
2335.7918	1168.3995	779.2688	19	K	7	771.4723	386.2398	257.8290
2448.8758	**1224.9416**	816.9635	20	I	6	643.3773	322.1923	215.1306
2535.9079	1268.4576	845.9741	21	S	5	**530.2933**	265.6503	177.4359
2606.9450	1303.9761	**869.6532**	22	A	4	443.2613	222.1343	148.4253
2735.0036	**1368.0054**	912.3394	23	Q	3	372.2241	186.6157	124.7462
2832.0563	1416.5318	**944.6903**	24	P	2	244.1656	122.5864	82.0600
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.RAS$_{167}$FSLHNDKPQPAK.S/3

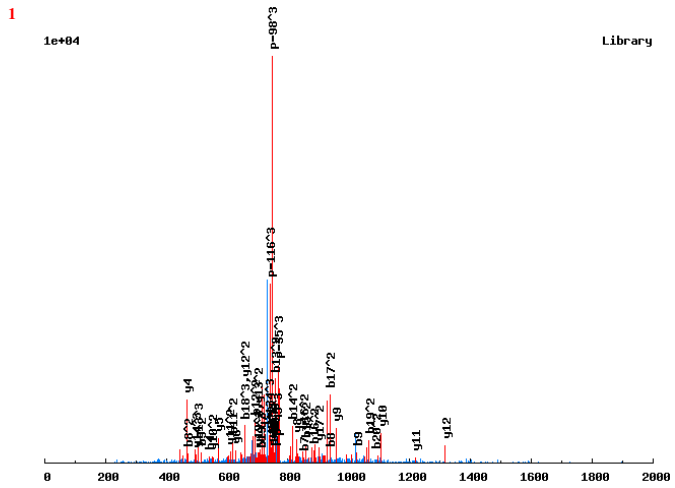
0.7851



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	15			
228.1455	114.5764	76.7200	2	A	14	1619.7577	810.3825	540.5908
395.1439	198.0756	132.3861	3	S[167]	13	1548.7206	**774.8639**	**516.9117**
542.2123	271.6098	181.4089	4	F	12	1381.7222	**691.3648**	461.2456
629.2443	**315.1258**	210.4196	5	S	11	1234.6538	617.8306	412.2228
742.3284	371.6678	248.1143	6	L	10	1147.6218	**574.3145**	383.2121
879.3873	440.1973	293.8006	7	H	9	1034.5378	**517.7725**	345.5174
993.4302	497.2187	331.8149	8	N	8	**897.4788**	**449.2431**	299.8311
1108.4571	554.7322	**370.1572**	9	D	7	**783.4359**	392.2216	261.8168
1236.5521	**618.7797**	**412.8556**	10	K	6	**668.4090**	334.7081	223.4745
1333.6049	667.3061	**445.2065**	11	P	5	540.3140	270.6606	180.7762
1461.6634	**731.3354**	487.8927	12	Q	4	443.2613	222.1343	148.4253
1558.7162	779.8617	**520.2436**	13	P	3	**315.2027**	158.1050	105.7391
1629.7533	**815.3803**	543.9226	14	A	2	218.1499	109.5786	73.3882
			15	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$AS$_{167}$HPLTSSPLFEDSGTPC$_{160}$GK$_{136}$.Q/3

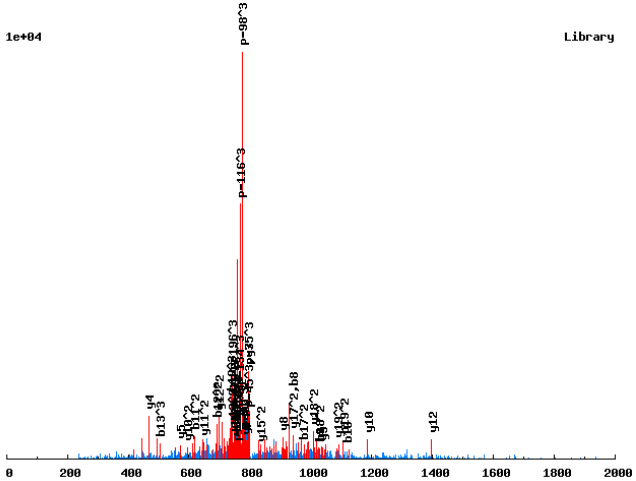


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	21			
238.1538	119.5805	80.0561	2	A	20	2175.9507	1088.4790	725.9884
405.1521	203.0797	135.7222	3	S[167]	19	2104.9136	1052.9605	**702.3094**
542.2110	271.6092	181.4085	4	H	18	1937.9153	969.4613	646.6433
639.2638	320.1355	213.7595	5	P	17	1800.8564	**900.9318**	600.9570
752.3479	376.6776	251.4541	6	L	16	1703.8036	**852.4054**	568.6061
853.3955	427.2014	285.1367	7	T	15	1590.7195	795.8634	530.9114
940.4276	**470.7174**	314.1474	8	S	14	1489.6719	**745.3396**	**497.2288**
1027.4596	**514.2334**	343.1581	9	S	13	1402.6398	**701.8236**	468.2181
1124.5124	562.7598	375.5090	10	P	12	**1315.6078**	**658.3075**	439.2075
1237.5964	**619.3019**	413.2037	11	L	11	**1218.5550**	**609.7812**	406.8565
1384.6648	**692.8361**	462.2265	12	F	10	**1105.4710**	**553.2391**	369.1618
1513.7074	**757.3574**	**505.2407**	13	E	9	**958.4026**	479.7049	320.1390
1628.7344	**814.8708**	543.5830	14	D	8	**829.3600**	415.1836	277.1248
1715.7664	**858.3868**	572.5937	15	S	7	**714.3330**	357.6702	238.7825
1772.7879	**886.8976**	591.6008	16	G	6	**627.3010**	314.1541	209.7719
1873.8355	**937.4214**	625.2834	17	T	5	**570.2796**	285.6434	190.7647
1970.8883	985.9478	**657.6343**	18	P	4	**469.2319**	235.1196	157.0821
2130.9189	**1065.9631**	**710.9778**	19	C[160]	3	372.1791	186.5932	124.7312
2187.9404	**1094.4738**	729.9850	20	G	2	212.1485	106.5779	71.3877
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$AS$_{167}$HPLTSSPLFEDS$_{167}$GTPC$_{160}$GK$_{136}$Q/3

0.9794

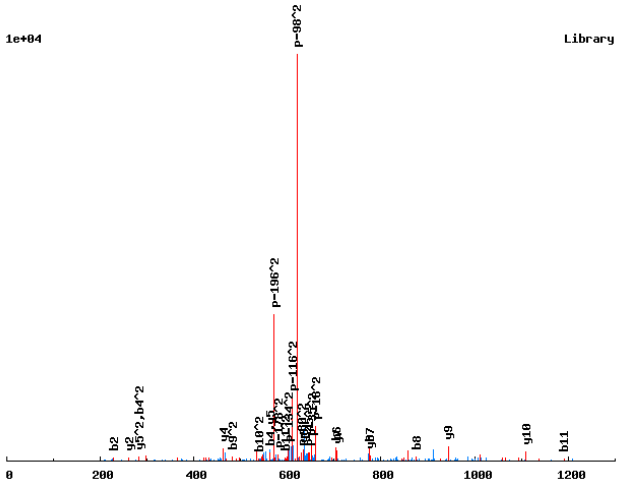


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	21			
238.1538	119.5805	80.0561	2	A	20	2255.9171	1128.4622	**752.6439**
405.1521	203.0797	135.7222	3	S[167]	19	2184.8800	**1092.9436**	728.9648
542.2110	271.6092	181.4085	4	H	18	2017.8816	**1009.4444**	673.2987
639.2638	320.1355	213.7595	5	P	17	1880.8227	**940.9150**	627.6124
752.3479	376.6776	251.4541	6	L	16	1783.7699	892.3886	595.2615
853.3955	427.2014	285.1367	7	T	15	1670.6859	**835.8466**	557.5668
940.4276	470.7174	314.1474	8	S	14	1569.6382	**785.3227**	523.8843
1027.4596	514.2334	343.1581	9	S	13	1482.6062	**741.8067**	494.8736
1124.5124	562.7598	375.5090	10	P	12	**1395.5741**	**698.2907**	465.8629
1237.5964	**619.3019**	413.2037	11	L	11	1298.5214	**649.7643**	433.5120
1384.6648	**692.8361**	462.2265	12	F	10	**1185.4373**	**593.2223**	395.8173
1513.7074	**757.3574**	**505.2407**	13	E	9	**1038.3689**	519.6881	346.7945
1628.7344	814.8708	543.5830	14	D	8	**909.3263**	455.1668	303.7803
1795.7327	898.3700	599.2491	15	S[167]	7	**794.2994**	397.6533	265.4380
1852.7542	926.8807	618.2562	16	G	6	627.3010	314.1541	209.7719
1953.8019	**977.4046**	651.9388	17	T	5	**570.2796**	285.6434	190.7647
2050.8546	**1025.9310**	684.2897	18	P	4	**469.2319**	235.1196	157.0821
2210.8853	**1105.9463**	**737.6333**	19	C[160]	3	372.1791	186.5932	124.7312
2267.9067	1134.4570	**756.6404**	20	G	2	212.1485	106.5779	71.3877
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.RAS$_{167}$S$_{167}$AAATSIDK.E/2

0.9972

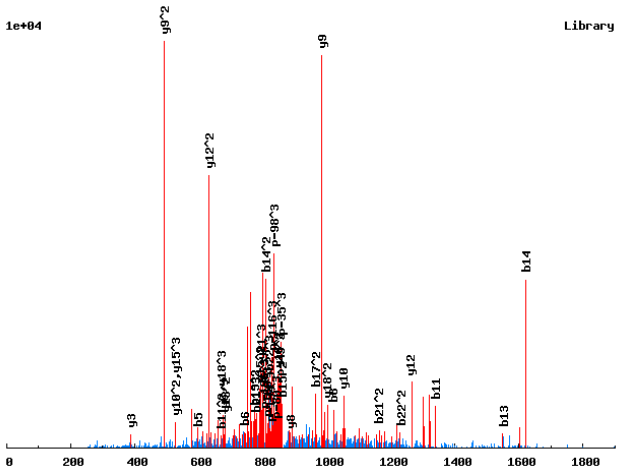


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	12		
228.1455	114.5764	2	A	11	1181.4487	591.2280
395.1439	198.0756	3	S[167]	10	**1110.4116**	555.7094
562.1422	**281.5748**	4	S[167]	9	**943.4132**	472.2102
633.1793	317.0933	5	A	8	**776.4148**	388.7111
704.2164	352.6119	6	A	7	**705.3777**	353.1925
775.2536	388.1304	7	A	6	**634.3406**	317.6740
876.3012	438.6543	8	T	5	**563.3035**	**282.1554**
963.3333	**482.1703**	9	S	4	**462.2558**	231.6316
1076.4173	**538.7123**	10	I	3	375.2238	188.1155
1191.4443	**596.2258**	11	D	2	**262.1397**	131.5735
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.RASS$_{167}$IFS$_{167}$INTTPLAPPNATDIQK.F/3

0.9761

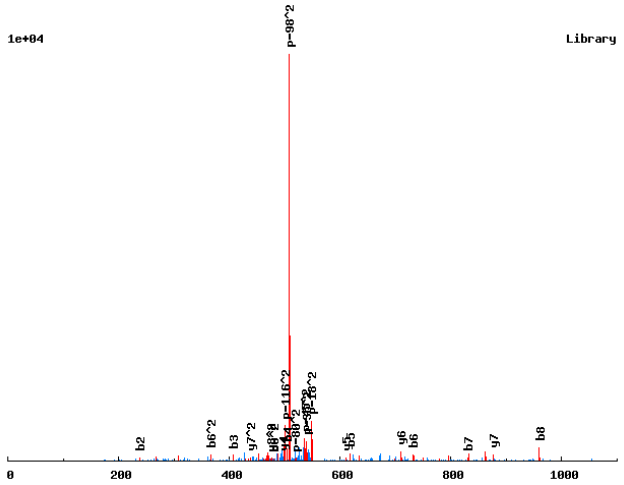


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	23			
228.1455	114.5764	76.7200	2	A	22	2446.1302	1223.5688	816.0483
315.1775	158.0924	105.7307	3	S	21	2375.0931	1188.0502	**792.3692**
482.1759	241.5916	161.3968	4	S[167]	20	2288.0611	1144.5342	763.3586
595.2600	298.1336	199.0915	5	I	19	2121.0627	1061.0350	707.6924
742.3284	371.6678	248.1143	6	F	18	2007.9787	**1004.4930**	**669.9977**
909.3267	455.1670	303.7804	7	S[167]	17	1860.9103	930.9588	620.9749
1022.4108	511.7090	341.4751	8	I	16	1693.9119	**847.4596**	565.3088
1136.4537	568.7305	379.4894	9	N	15	1580.8278	**790.9176**	**527.6141**
1237.5014	619.2543	413.1720	10	T	14	1466.7849	733.8961	489.5998
1338.5491	**669.7782**	446.8545	11	T	13	1365.7372	**683.3723**	455.9173
1435.6018	718.3046	479.2055	12	P	12	**1264.6895**	**632.8484**	422.2347
1548.6859	**774.8466**	516.9002	13	L	11	1167.6368	584.3220	389.8838
1619.7230	**810.3651**	540.5792	14	A	10	**1054.5527**	**527.7800**	352.1891
1716.7758	**858.8915**	572.9301	15	P	9	**983.5156**	**492.2615**	328.5101
1813.8285	907.4179	605.2810	16	P	8	**886.4629**	443.7351	296.1591
1927.8715	**964.4394**	643.2953	17	N	7	789.4101	395.2087	263.8082
1998.9086	999.9579	666.9744	18	A	6	**675.3672**	338.1872	225.7939
2099.9562	1050.4818	700.6569	19	T	5	604.3301	302.6687	202.1149
2214.9832	1107.9952	738.9992	20	D	4	503.2824	252.1448	168.4323
2328.0672	**1164.5373**	**776.6939**	21	I	3	**388.2554**	194.6314	130.0900
2456.1258	**1228.5666**	**819.3801**	22	Q	2	275.1714	138.0893	92.3953
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$AS$_{167}$VINVEK$_{136}$.N/2

0.9624

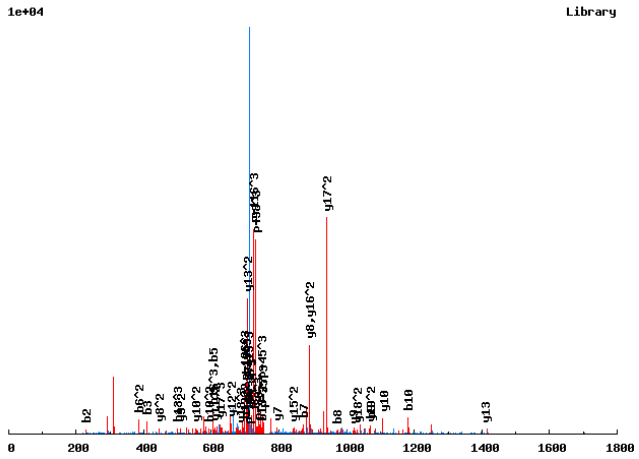


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	9		
238.1538	119.5805	2	A	8	947.4689	**474.2381**
405.1521	203.0797	3	S[167]	7	**876.4318**	**438.7195**
504.2205	252.6139	4	V	6	**709.4334**	355.2203
617.3046	309.1559	5	I	5	**610.3650**	305.6861
731.3475	**366.1774**	6	N	4	**497.2809**	249.1441
830.4159	415.7116	7	V	3	383.2380	192.1226
959.4585	**480.2329**	8	E	2	284.1696	142.5884
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.RAT$_{181}$PVS$_{167}$TPVISKPSMTTTPR.Q/3

0.9999

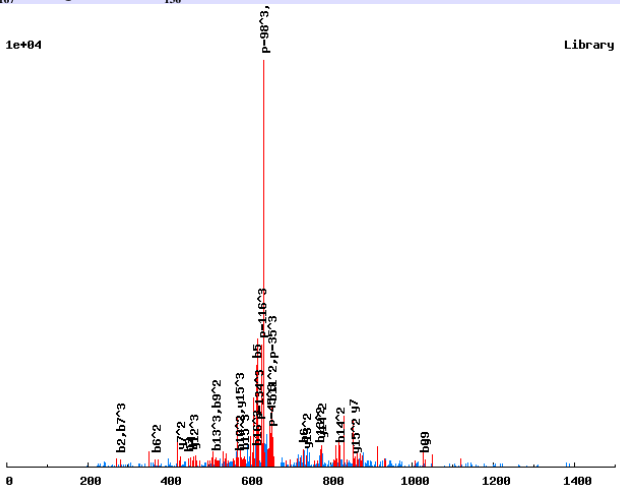


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	20			
228.1455	114.5764	76.7200	2	A	19	2130.9906	**1065.9989**	**711.0017**
409.1595	205.0834	137.0580	3	T[181]	18	2059.9535	**1030.4804**	**687.3227**
506.2123	253.6098	169.4089	4	P	17	1878.9395	**939.9734**	**626.9847**
605.2807	303.1440	202.4317	5	V	16	1781.8867	**891.4470**	594.6338
772.2790	**386.6432**	258.0979	6	S[167]	15	1682.8183	**841.9128**	561.6110
873.3267	437.1670	291.7804	7	T	14	1515.8199	758.4136	505.9448
970.3795	485.6934	324.1313	8	P	13	**1414.7722**	**707.8898**	472.2623
1069.4479	535.2276	357.1542	9	V	12	1317.7195	**659.3634**	439.9114
1182.5320	**591.7696**	394.8488	10	I	11	1218.6511	**609.8292**	406.8885
1269.5640	635.2856	423.8595	11	S	10	**1105.5670**	**553.2872**	369.1939
1397.6589	**699.3331**	466.5578	12	K	9	**1018.5350**	**509.7711**	340.1832
1494.7117	**747.8595**	**498.9088**	13	P	8	**890.4400**	**445.7237**	297.4849
1581.7437	791.3755	527.9194	14	S	7	**793.3873**	397.1973	265.1339
1712.7842	856.8958	571.5996	15	M	6	**706.3552**	353.6813	236.1233
1813.8319	907.4196	**605.2822**	16	T	5	575.3148	288.1610	192.4431
1914.8796	957.9434	638.9647	17	T	4	474.2671	237.6372	158.7605
2015.9273	1008.4673	672.6473	18	T	3	373.2194	187.1133	125.0780
2112.9800	1056.9937	**704.9982**	19	P	2	272.1717	136.5895	91.3954
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$DS$_{167}$APDNQGIYHTVISK$_{136}$.N/3

0.9998

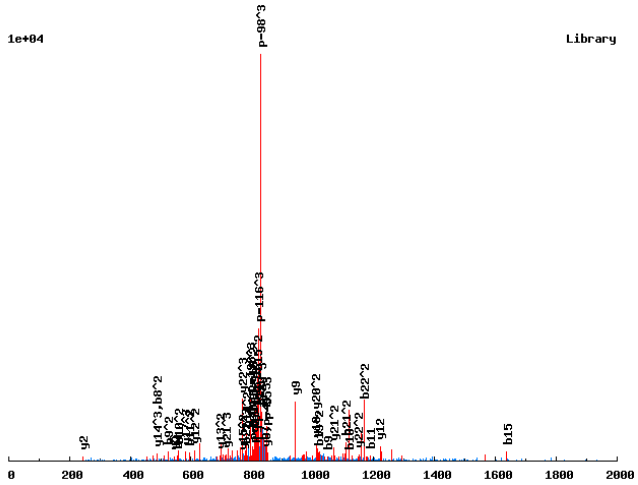


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	17			
282.1436	141.5754	94.7194	2	D	16	1832.8306	916.9189	611.6150
449.1420	225.0746	150.3855	3	S[167]	15	1717.8036	**859.4054**	**573.2727**
520.1791	260.5932	174.0645	4	A	14	1550.8053	**775.9063**	517.6066
617.2318	309.1196	206.4155	5	P	13	1479.7681	**740.3877**	493.9276
732.2588	**366.6330**	244.7578	6	D	12	1382.7154	691.8613	**461.5766**
846.3017	423.6545	**282.7721**	7	N	11	1267.6884	**634.3479**	423.2343
974.3603	487.6838	325.4583	8	Q	10	1153.6455	577.3264	385.2200
1031.3817	**516.1945**	344.4654	9	G	9	**1025.5869**	513.2971	342.5338
1144.4658	**572.7365**	382.1601	10	I	8	968.5655	484.7864	323.5267
1307.5291	**654.2682**	436.5146	11	Y	7	**855.4814**	**428.2443**	285.8320
1444.5880	722.7977	482.2009	12	H	6	692.4181	346.7127	231.4775
1545.6357	**773.3215**	**515.8834**	13	T	5	555.3592	278.1832	185.7912
1644.7041	**822.8557**	548.9062	14	V	4	**454.3115**	227.6594	152.1087
1757.7882	879.3977	**586.6009**	15	I	3	355.2431	178.1252	119.0859
1844.8202	922.9137	**615.6116**	16	S	2	242.1590	121.5832	81.3912
			17	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.RDS$_{167}$DNAVHAAAS$_{167}$PLAPSNTPSDPK.S/3

0.9941

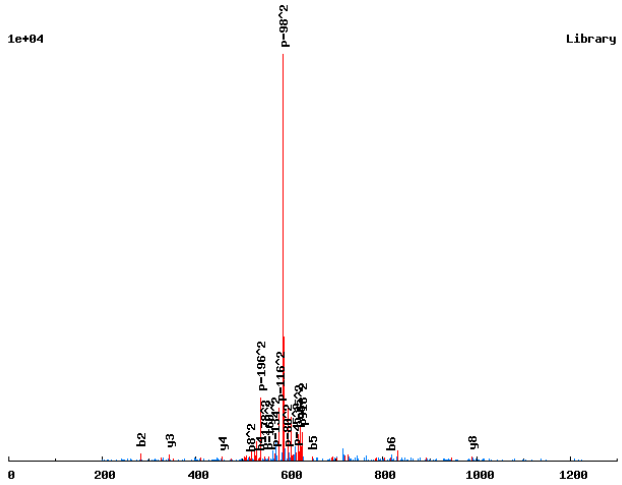


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	24			
272.1353	136.5713	91.3833	2	D	23	2421.9959	1211.5016	**808.0035**
439.1337	220.0705	147.0494	3	S[167]	22	2306.9690	**1153.9881**	**769.6612**
554.1606	277.5840	185.3917	4	D	21	2139.9706	**1070.4889**	**713.9951**
668.2036	334.6054	223.4060	5	N	20	2024.9437	**1012.9755**	675.6527
739.2407	370.1240	247.0851	6	A	19	1910.9007	955.9540	637.6384
838.3091	419.6582	280.1079	7	V	18	1839.8636	920.4355	613.9594
975.3680	**488.1876**	325.7942	8	H	17	1740.7952	870.9013	**580.9366**
1046.4051	**523.7062**	349.4732	9	A	16	1603.7363	**802.3718**	535.2503
1117.4422	**559.2247**	373.1523	10	A	15	1532.6992	**766.8532**	511.5713
1188.4793	**594.7433**	396.8313	11	A	14	1461.6621	731.3347	**487.8922**
1355.4777	678.2425	452.4974	12	S[167]	13	1390.6250	**695.8161**	464.2132
1452.5304	726.7689	484.8483	13	P	12	**1223.6266**	**612.3169**	408.5471
1565.6145	**783.3109**	522.5430	14	L	11	1126.5739	563.7906	376.1961
1636.6516	**818.8294**	546.2221	15	A	10	**1013.4898**	507.2485	338.5015
1733.7044	867.3558	578.5730	16	P	9	**942.4527**	471.7300	314.8224
1820.7364	910.8718	607.5837	17	S	8	**845.3999**	423.2036	282.4715
1934.7793	967.8933	645.5980	18	N	7	758.3679	379.6876	253.4608
2035.8270	**1018.4171**	679.2805	19	T	6	644.3250	322.6661	215.4465
2132.8798	1066.9435	711.6314	20	P	5	**543.2773**	272.1423	181.7640
2219.9118	**1110.4595**	740.6421	21	S	4	446.2245	223.6159	149.4130
2334.9387	**1167.9730**	**778.9844**	22	D	3	359.1925	180.0999	120.4024
2431.9915	1216.4994	**811.3354**	23	P	2	**244.1656**	122.5864	82.0600
			24	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$DS$_{167}$SIS$_{167}$ITSK$_{136}$.D/2

0.7198

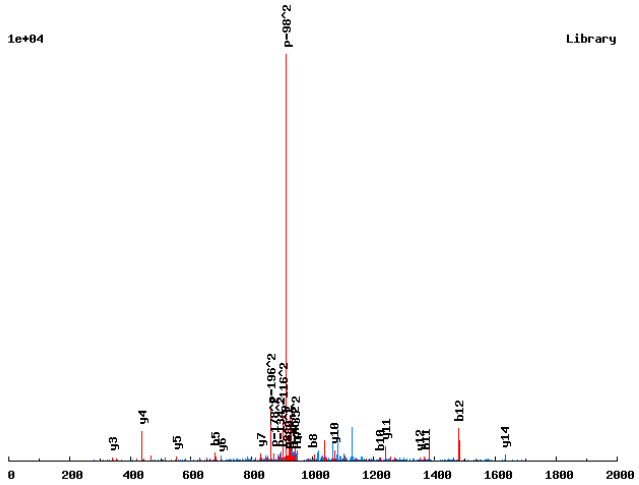


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	10		
282.1436	141.5754	2	D	9	1105.4305	553.2189
449.1420	225.0746	3	S[167]	8	**990.4036**	495.7054
536.1740	268.5906	4	S	7	823.4052	412.2063
649.2581	325.1327	5	I	6	736.3732	368.6902
816.2564	408.6318	6	S[167]	5	**623.2891**	312.1482
929.3405	465.1739	7	I	4	**456.2908**	228.6490
1030.3882	**515.6977**	8	T	3	**343.2067**	172.1070
1117.4202	559.2137	9	S	2	242.1590	121.5832
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.RES$_{167}$IIS$_{167}$TGSEFLPPPK.I/2

0.7709

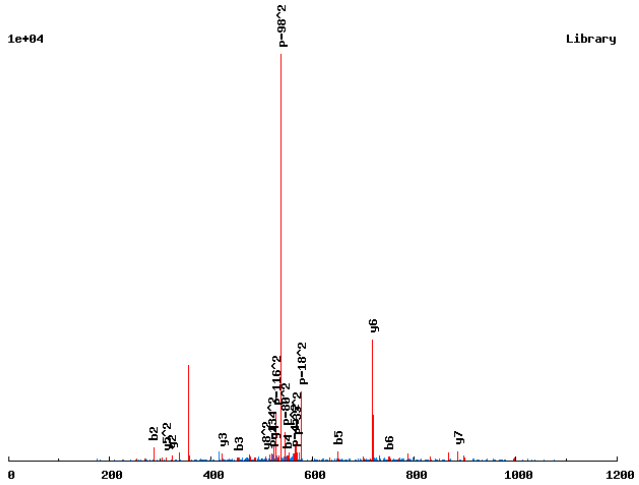


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	16		
286.1510	143.5791	2	E	15	1761.7747	881.3910
453.1493	227.0783	3	S[167]	14	**1632.7322**	816.8697
566.2334	283.6203	4	I	13	1465.7338	733.3705
679.3175	340.1624	5	I	12	**1352.6497**	676.8285
846.3158	423.6616	6	S[167]	11	**1239.5657**	620.2865
947.3635	474.1854	7	T	10	**1072.5673**	536.7873
1004.3850	502.6961	8	G	9	971.5196	486.2635
1091.4170	546.2121	9	S	8	**914.4982**	457.7527
1220.4596	610.7334	10	E	7	**827.4661**	414.2367
1367.5280	684.2676	11	F	6	**698.4236**	349.7154
1480.6121	740.8097	12	L	5	**551.3551**	276.1812
1577.6648	789.3360	13	P	4	**438.2711**	219.6392
1674.7176	837.8624	14	P	3	**341.2183**	171.1128
1771.7703	886.3888	15	P	2	244.1656	122.5864
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.RES$_{167}$PVTVFR.Q/2

0.9925

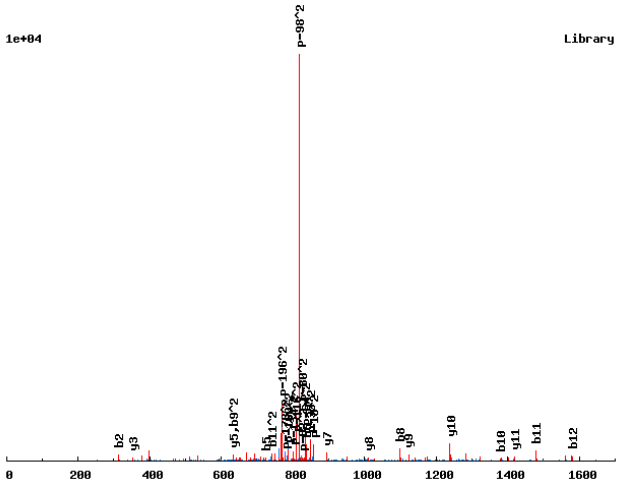


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	9		
286.1510	143.5791	2	E	8	1014.4656	**507.7364**
453.1493	227.0783	3	S[167]	7	**885.4230**	443.2151
550.2021	275.6047	4	P	6	**718.4246**	359.7160
649.2705	325.1389	5	V	5	621.3719	**311.1896**
750.3182	375.6627	6	T	4	**522.3034**	261.6554
849.3866	425.1969	7	V	3	**421.2558**	211.1315
996.4550	498.7311	8	F	2	**322.1874**	161.5973
		9	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$FT$_{181}$NNDM$_{147}$DS$_{167}$IVVK$_{136}$.R/2

0.9998

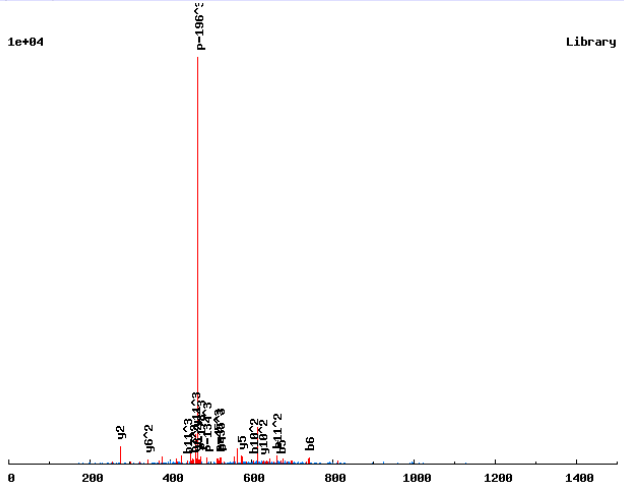


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	13		
314.1851	157.5962	2	F	12	1566.6038	783.8055
495.1991	248.1032	3	T[181]	11	**1419.5354**	710.2713
609.2420	305.1246	4	N	10	**1238.5214**	619.7643
723.2849	362.1461	5	N	9	**1124.4784**	562.7429
838.3119	419.6596	6	D	8	**1010.4355**	505.7214
985.3473	493.1773	7	M[147]	7	**895.4086**	448.2079
1100.3742	550.6907	8	D	6	748.3732	374.6902
1267.3726	**634.1899**	9	S[167]	5	**633.3462**	317.1768
1380.4566	690.7320	10	I	4	466.3479	233.6776
1479.5251	**740.2662**	11	V	3	**353.2638**	177.1355
1578.5935	789.8004	12	V	2	254.1954	127.6013
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.RGET$_{181}$FAS$_{167}$LANDKK.A/3

0.7487

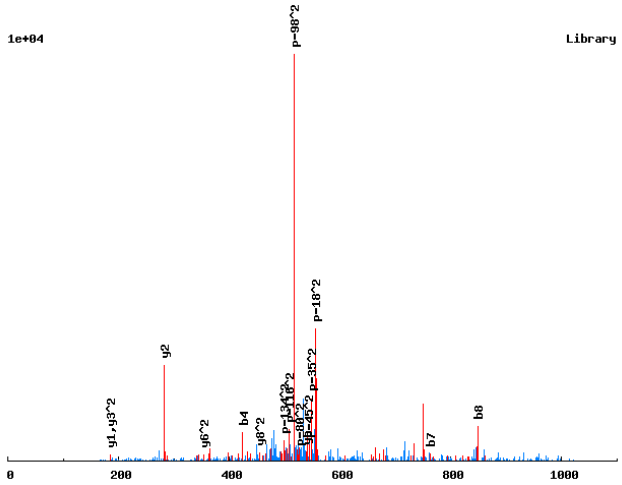


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	13			
214.1299	107.5686	72.0481	2	G	12	1440.5807	720.7940	480.8651
343.1724	172.0899	115.0623	3	E	11	1383.5593	692.2833	**461.8579**
524.1865	262.5969	175.4003	4	T[181]	10	1254.5167	**627.7620**	418.8438
671.2549	336.1311	224.4231	5	F	9	1073.5027	537.2550	358.5057
742.2920	371.6496	248.1022	6	A	8	926.4343	**463.7208**	309.4829
909.2903	**455.1488**	303.7683	7	S[167]	7	855.3972	428.2022	285.8039
1022.3744	511.6908	341.4630	8	L	6	688.3988	**344.7030**	230.1378
1093.4115	547.2094	365.1420	9	A	5	**575.3147**	288.1610	192.4431
1207.4544	**604.2309**	403.1563	10	N	4	504.2776	252.6425	168.7641
1322.4814	**661.7443**	**441.4986**	11	D	3	390.2347	195.6210	130.7498
1450.5763	725.7918	484.1970	12	K	2	**275.2078**	138.1075	92.4074
			13	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$GLSS$_{167}$VASPR$_{166}$.Q/2

0.7196

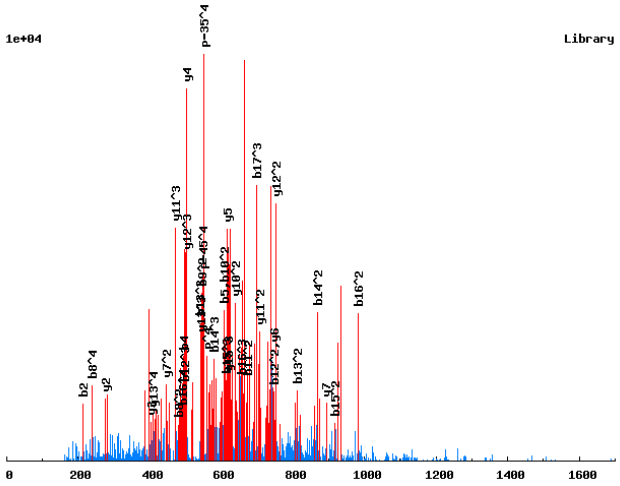


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	10		
224.1381	112.5727	2	G	9	963.4534	482.2304
337.2222	169.1147	3	L	8	906.4320	**453.7196**
424.2542	212.6307	4	S	7	793.3479	397.1776
591.2526	296.1299	5	S[167]	6	706.3159	**353.6616**
690.3210	345.6641	6	V	5	**539.3175**	270.1624
761.3581	381.1827	7	A	4	440.2491	220.6282
848.3901	424.6987	8	S	3	369.2120	**185.1096**
945.4429	473.2251	9	P	2	**282.1800**	141.5936
		10	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.RGS$_{167}$NLQSHEQKFENVQKE.-/4

0.8639

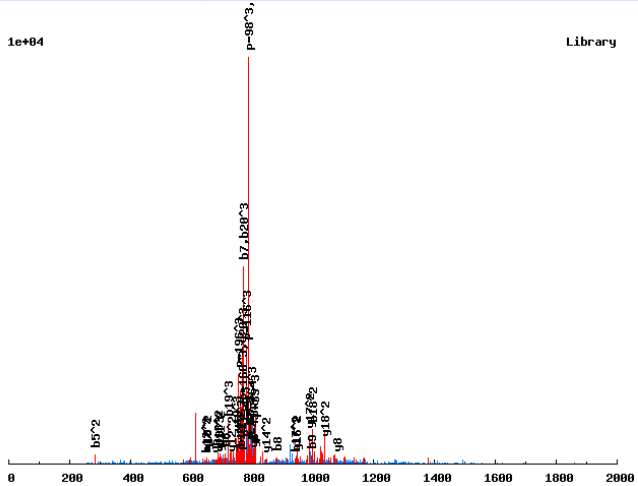


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
157.1084	79.0578	53.0410	40.0326	1	R	18				
214.1299	107.5686	72.0481	54.2879	2	G	17	2081.9288	1041.4680	694.6478	521.2377
381.1282	191.0677	127.7143	96.0375	3	S[167]	16	2024.9073	1012.9573	675.6406	506.9823
495.1711	248.0892	165.7286	124.5482	4	N	15	1857.9090	929.4581	**619.9745**	465.2327
608.2552	304.6312	203.4233	152.8193	5	L	14	1743.8660	872.4366	581.9602	436.7220
736.3138	368.6605	246.1094	184.8339	6	Q	13	1630.7820	815.8946	**544.2655**	**408.4510**
823.3458	412.1765	275.1201	206.5919	7	S	12	1502.7234	**751.8653**	**501.5793**	376.4363
960.4047	**480.7060**	320.8064	**240.8566**	8	H	11	1415.6913	**708.3493**	**472.5686**	354.6783
1089.4473	**545.2273**	363.8206	273.1173	9	E	10	1278.6324	**639.8199**	426.8823	320.4136
1217.5059	**609.2566**	406.5068	305.1319	10	Q	9	1149.5898	575.2986	383.8681	288.1529
1345.6009	**673.3041**	449.2051	337.1557	11	K	8	1021.5313	511.2693	341.1819	256.1383
1492.6693	**746.8383**	**498.2279**	373.9228	12	F	7	**893.4363**	**447.2218**	298.4836	224.1145
1621.7119	**811.3596**	**541.2421**	406.1834	13	E	6	**746.3679**	373.6876	249.4608	187.3474
1735.7548	**868.3810**	**579.2564**	434.6942	14	N	5	**617.3253**	309.1663	206.4466	155.0868
1834.8232	**917.9152**	**612.2793**	459.4613	15	V	4	**503.2824**	252.1448	168.4323	126.5761
1962.8818	**981.9445**	**654.9654**	**491.4759**	16	Q	3	**404.2140**	202.6106	135.4095	101.8090
2090.9767	1045.9920	**697.6638**	523.4996	17	K	2	**276.1554**	138.5813	92.7233	69.7943
				18	E	1	148.0604	74.5339	50.0250	37.7706

Annotated spectra from Saleem et. al. 2009

R.RGS$_{167}$PSFGNLASHSM$_{147}$QQTNS$_{167}$FK.L/3

0.8446

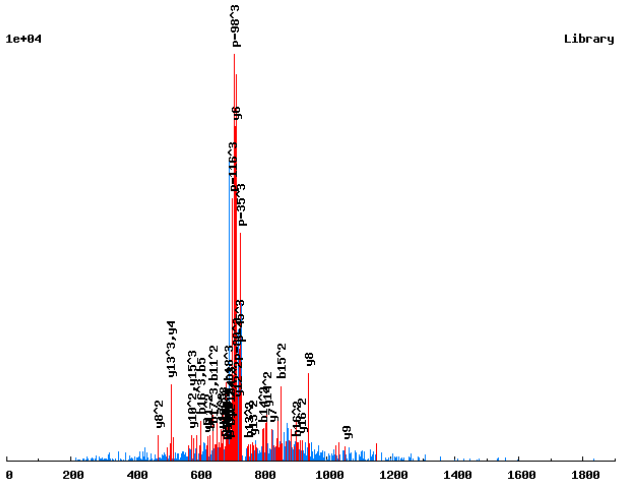


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	21			
214.1299	107.5686	72.0481	2	G	20	2300.9043	1150.9558	**767.6396**
381.1282	191.0677	127.7143	3	S[167]	19	2243.8828	1122.4451	**748.6325**
478.1810	239.5941	160.0652	4	P	18	2076.8845	**1038.9459**	**692.9663**
565.2130	**283.1101**	189.0759	5	S	17	1979.8317	**990.4195**	660.6154
712.2814	356.6443	238.0987	6	F	16	1892.7997	**946.9035**	631.6047
769.3029	385.1551	257.1058	7	G	15	1745.7313	873.3693	582.5819
883.3458	442.1765	295.1201	8	N	14	1688.7098	**844.8585**	563.5748
996.4299	498.7186	332.8148	9	L	13	1574.6669	**787.8371**	525.5605
1067.4670	534.2371	356.4938	10	A	12	1461.5828	**731.2951**	487.8658
1154.4990	577.7531	385.5045	11	S	11	1390.5457	**695.7765**	464.1868
1291.5579	**646.2826**	431.1908	12	H	10	1303.5137	**652.2605**	435.1761
1378.5899	**689.7986**	460.2015	13	S	9	1166.4548	583.7310	389.4898
1525.6253	**763.3163**	509.2133	14	M[147]	8	**1079.4227**	540.2150	360.4791
1653.6839	827.3456	551.8995	15	Q	7	932.3873	466.6973	311.4673
1781.7425	891.3749	594.5857	16	Q	6	**804.3288**	402.6680	268.7811
1882.7902	**941.8987**	628.2682	17	T	5	**676.2702**	338.6387	226.0949
1996.8331	**998.9202**	666.2826	18	N	4	575.2225	288.1149	192.4124
2163.8315	1082.4194	**721.9487**	19	S[167]	3	461.1796	231.0934	154.3980
2310.8999	1155.9536	**770.9715**	20	F	2	294.1812	147.5942	98.7319
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$GS$_{167}$TISPT$_{181}$TTINNSNPNFK$_{136}$.L/3

0.7387

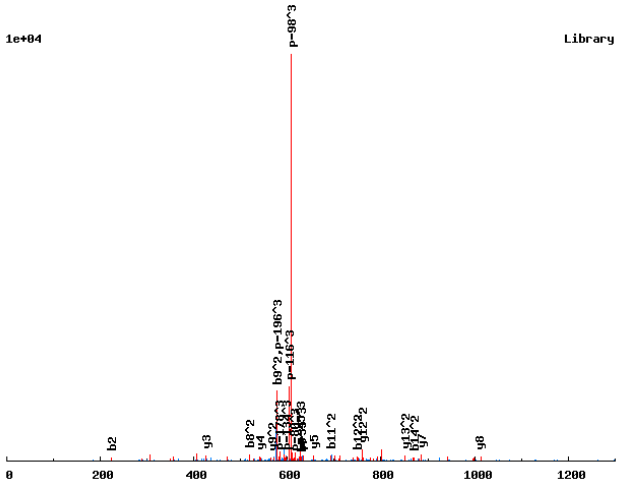


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	19			
224.1381	112.5727	75.3842	2	G	18	2060.8817	1030.9445	**687.6321**
391.1365	196.0719	131.0503	3	S[167]	17	2003.8602	1002.4338	**668.6249**
492.1842	246.5957	164.7329	4	T	16	1836.8619	**918.9346**	612.9588
605.2682	303.1378	202.4276	5	I	15	1735.8142	868.4107	**579.2763**
692.3003	346.6538	231.4383	6	S	14	1622.7301	**811.8687**	541.5816
789.3530	395.1801	263.7892	7	P	13	1535.6981	**768.3527**	**512.5709**
970.3670	485.6872	324.1272	8	T[181]	12	1438.6453	**719.8263**	480.2200
1071.4147	536.2110	357.8098	9	T	11	1257.6313	**629.3193**	419.8820
1172.4624	586.7348	391.4923	10	T	10	1156.5837	**578.7955**	386.1994
1285.5464	**643.2769**	429.1870	11	I	9	**1055.5360**	528.2716	352.5168
1399.5894	**700.2983**	467.2013	12	N	8	**942.4519**	**471.7296**	314.8222
1513.6323	**757.3198**	505.2156	13	N	7	**828.4090**	414.7081	276.8078
1600.6643	**800.8358**	534.2263	14	S	6	**714.3661**	357.6867	238.7935
1714.7073	**857.8573**	572.2406	15	N	5	**627.3340**	314.1707	209.7829
1811.7600	**906.3837**	**604.5915**	16	P	4	**513.2911**	257.1492	171.7686
1925.8030	963.4051	**642.6058**	17	N	3	416.2383	208.6228	139.4176
2072.8714	1036.9393	**691.6286**	18	F	2	302.1954	151.6013	101.4033
			19	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$GT$_{181}$GR$_{166}$S$_{167}$DENDDDLQR$_{166}$.A/3

0.8206

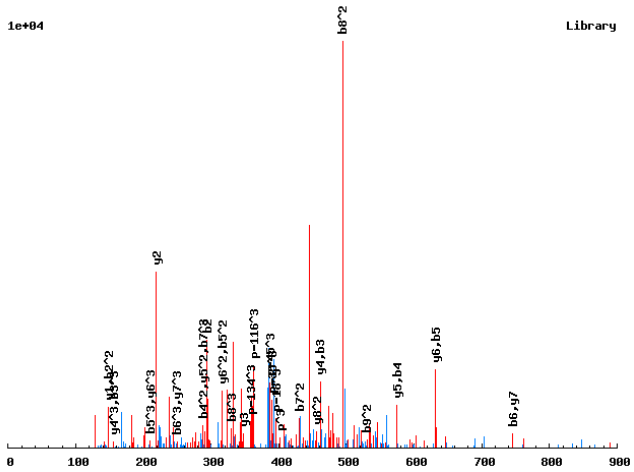


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	15			
224.1381	112.5727	75.3842	2	G	14	1757.6278	879.3175	586.5475
405.1521	203.0797	135.7222	3	T[181]	13	1700.6063	**850.8068**	567.5403
462.1736	231.5904	154.7294	4	G	12	1519.5923	**760.2998**	507.2023
628.2830	314.6451	210.0992	5	R[166]	11	1462.5709	731.7891	488.1951
795.2813	398.1443	265.7653	6	S[167]	10	1296.4615	648.7344	432.8254
910.3083	455.6578	304.1076	7	D	9	1129.4631	**565.2352**	377.1592
1039.3509	**520.1791**	347.1218	8	E	8	**1014.4362**	507.7217	338.8169
1153.3938	**577.2005**	385.1361	9	N	7	**885.3936**	443.2004	295.8027
1268.4207	634.7140	423.4784	10	D	6	771.3507	386.1790	257.7884
1383.4477	**692.2275**	461.8207	11	D	5	**656.3237**	328.6655	219.4461
1498.4746	**749.7409**	500.1631	12	D	4	**541.2968**	271.1520	181.1038
1611.5587	806.2830	537.8577	13	L	3	**426.2699**	213.6386	142.7615
1739.6173	**870.3123**	580.5439	14	Q	2	313.1858	157.0965	105.0668
			15	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.RHS$_{167}$LGLNEAK.K/3

0.9974

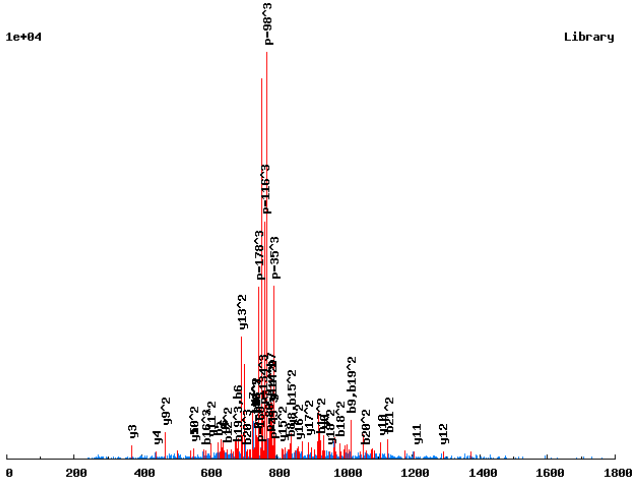


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	10			
294.1673	**147.5873**	98.7273	2	H	9	1048.4823	524.7448	350.1656
461.1657	231.0865	**154.3934**	3	S[167]	8	911.4234	**456.2153**	304.4793
574.2497	**287.6285**	192.0881	4	L	7	**744.4250**	372.7161	**248.8132**
631.2712	**316.1392**	**211.0952**	5	G	6	**631.3410**	**316.1741**	**211.1185**
744.3552	372.6813	**248.7899**	6	L	5	**574.3195**	**287.6634**	192.1114
858.3982	**429.7027**	**286.8042**	7	N	4	**461.2354**	231.1214	**154.4167**
987.4408	**494.2240**	**329.8184**	8	E	3	**347.1925**	174.0999	116.4024
1058.4779	**529.7426**	353.4975	9	A	2	**218.1499**	109.5786	73.3882
			10	K	1	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$IESEGVGT$_{181}$PSTS$_{167}$PISSLASQK$_{136}$.S/3

0.9802

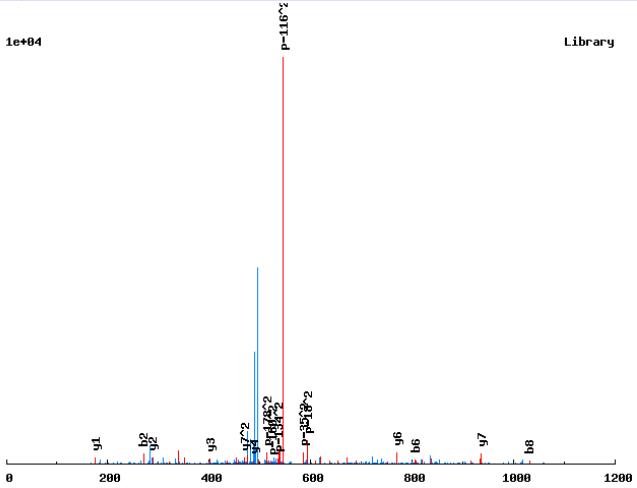


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	22			
280.2007	140.6040	94.0718	2	I	21	2242.9971	1122.0022	748.3372
409.2433	205.1253	137.0860	3	E	20	2129.9130	1065.4602	710.6425
496.2753	248.6413	166.0966	4	S	19	2000.8705	1000.9389	667.6283
625.3179	313.1626	209.1108	5	E	18	1913.8384	**957.4229**	638.6177
682.3394	341.6733	228.1180	6	G	17	1784.7958	**892.9016**	595.6035
781.4078	391.2075	261.1408	7	V	16	1727.7744	**864.3908**	576.5963
838.4293	419.7183	280.1479	8	G	15	1628.7060	**814.8566**	543.5735
1019.4433	510.2253	340.4859	9	T[181]	14	1571.6845	**786.3459**	524.5664
1116.4960	558.7517	372.8369	10	P	13	1390.6705	**695.8389**	464.2283
1203.5281	602.2677	401.8475	11	S	12	**1293.6177**	647.3125	431.8774
1304.5757	**652.7915**	435.5301	12	T	11	**1206.5857**	**603.7965**	402.8668
1471.5741	**736.2907**	491.1962	13	S[167]	10	**1105.5380**	**553.2726**	369.1842
1568.6269	**784.8171**	523.5471	14	P	9	**938.5397**	**469.7735**	313.5181
1681.7109	**841.3591**	561.2418	15	I	8	**841.4869**	421.2471	281.1672
1768.7430	884.8751	**590.2525**	16	S	7	**728.4028**	364.7051	243.4725
1855.7750	**928.3911**	619.2632	17	S	6	**641.3708**	321.1890	214.4618
1968.8590	**984.9332**	656.9579	18	L	5	**554.3388**	277.6730	185.4511
2039.8962	**1020.4517**	**680.6369**	19	A	4	**441.2547**	221.1310	147.7564
2126.9282	**1063.9677**	**709.6476**	20	S	3	**370.2176**	185.6124	124.0774
2254.9868	**1127.9970**	752.3338	21	Q	2	283.1856	142.0964	95.0667
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.RIS$_{167}$NS$_{167}$SLLR.N/2

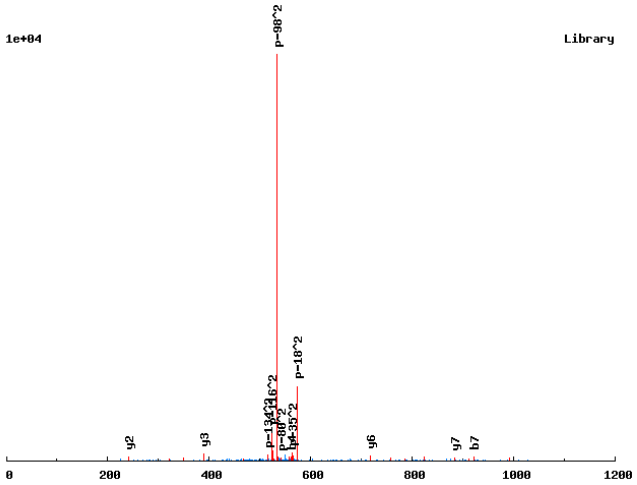
0.7077



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	9		
270.1924	135.5999	2	I	8	1049.4428	525.2250
437.1908	219.0990	3	S[167]	7	**936.3588**	**468.6830**
551.2337	276.1205	4	N	6	**769.3604**	385.1838
718.2321	359.6197	5	S[167]	5	655.3175	328.1624
805.2641	403.1357	6	S	4	**488.3191**	244.6632
918.3482	459.6777	7	L	3	**401.2871**	201.1472
1031.4323	516.2198	8	L	2	**288.2030**	144.6051
		9	R	1	**175.1190**	88.0631

R.R$_{166}$IS$_{167}$NTLFSK$_{136}$.V/2

0.9989

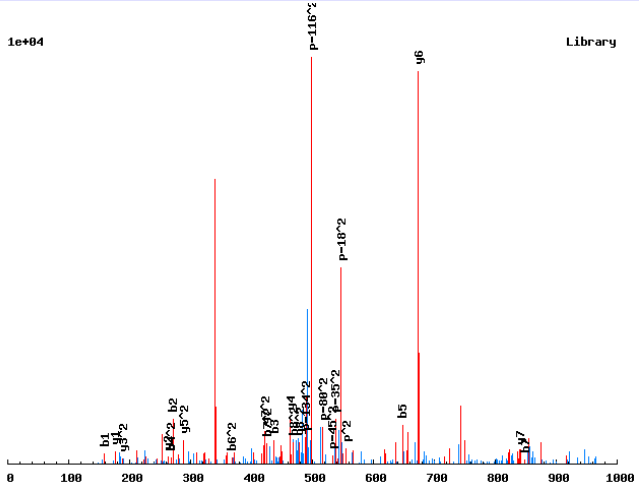


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	9		
280.2007	140.6040	2	I	8	997.4845	499.2459
447.1991	224.1032	3	S[167]	7	**884.4005**	442.7039
561.2420	281.1246	4	N	6	**717.4021**	359.2047
662.2897	331.6485	5	T	5	603.3592	302.1832
775.3738	388.1905	6	L	4	502.3115	251.6594
922.4422	461.7247	7	F	3	**389.2274**	195.1174
1009.4742	505.2407	8	S	2	**242.1590**	121.5832
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.RIS$_{167}$PISNSR.V/2

0.9955

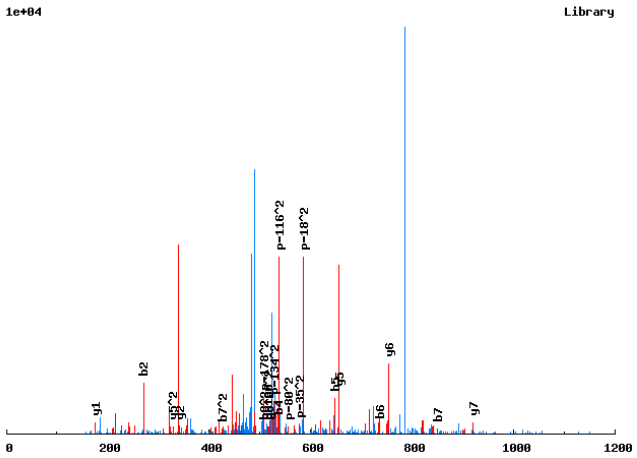


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	**1**	**R**	**9**		
270.1924	135.5999	**2**	**I**	**8**	953.4452	**477.2262**
437.1908	219.0990	**3**	**S[167]**	**7**	**840.3611**	**420.6842**
534.2436	**267.6254**	**4**	**P**	**6**	**673.3628**	337.1850
647.3276	324.1675	**5**	**I**	**5**	576.3100	**288.6586**
734.3597	**367.6835**	**6**	**S**	**4**	**463.2259**	232.1166
848.4026	**424.7049**	**7**	**N**	**3**	376.1939	**188.6006**
935.4346	**468.2210**	**8**	**S**	**2**	**262.1510**	131.5791
		9	**R**	**1**	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.RIS$_{167}$PISNS$_{167}$R.V/2

0.8311

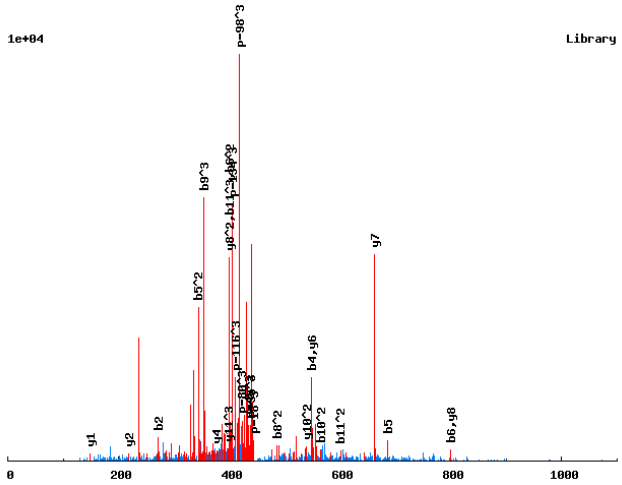


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	9		
270.1924	135.5999	2	I	8	1033.4115	**517.2094**
437.1908	219.0990	3	S[167]	7	**920.3275**	460.6674
534.2436	267.6254	4	P	6	**753.3291**	377.1682
647.3276	324.1675	5	I	5	**656.2763**	**328.6418**
734.3597	367.6835	6	S	4	543.1923	272.0998
848.4026	**424.7049**	7	N	3	456.1602	228.5838
1015.4010	**508.2041**	8	S[167]	2	**342.1173**	171.5623
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.RIT$_{181}$PHLTASAAK.Q/3

0.8229

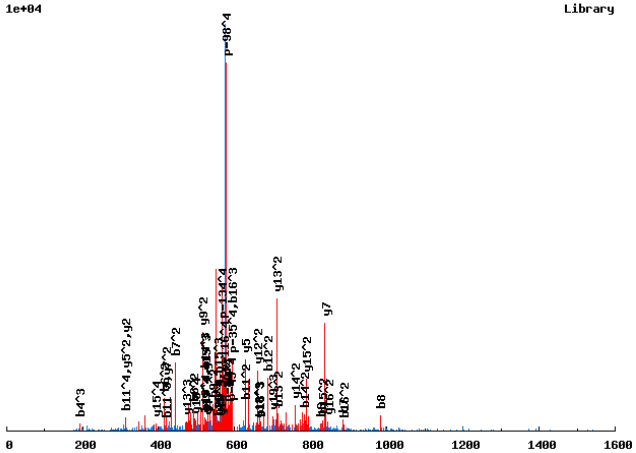


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	12			
270.1924	135.5999	90.7357	2	I	11	1189.5976	595.3025	**397.2041**
451.2065	226.1069	151.0737	3	T[181]	10	1076.5136	**538.7604**	359.5094
548.2592	274.6333	183.4246	4	P	9	895.4996	448.2534	299.1714
685.3181	**343.1627**	229.1109	5	H	8	**798.4468**	**399.7270**	266.8205
798.4022	**399.7047**	266.8056	6	L	7	**661.3879**	331.1976	221.1342
899.4499	450.2286	300.4881	7	T	6	**548.3038**	274.6556	183.4395
970.4870	**485.7471**	324.1672	8	A	5	447.2562	224.1317	149.7569
1057.5190	529.2631	**353.1779**	9	S	4	**376.2190**	188.6132	126.0779
1128.5561	**564.7817**	376.8569	10	A	3	289.1870	145.0971	97.0672
1199.5932	**600.3003**	**400.5359**	11	A	2	**218.1499**	109.5786	73.3882
			12	K	1	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$K$_{136}$LS$_{167}$EDGVTDGDGK$_{136}$PIPESER$_{166}$.R/4

0.746

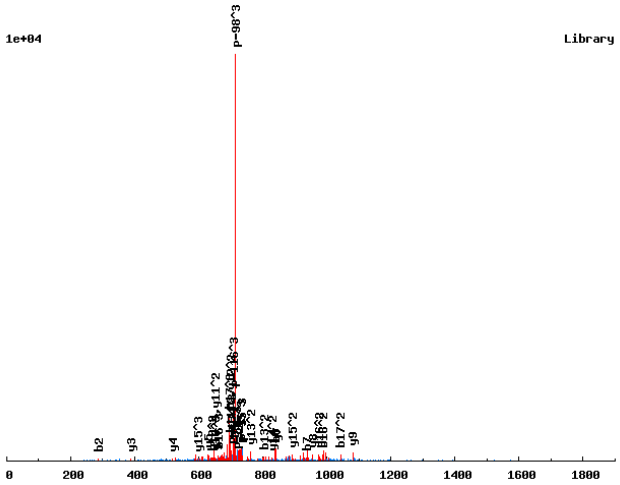


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
167.1167	84.0620	56.3771	42.5346	1	R[166]	21				
303.2258	152.1165	101.7468	76.5619	2	K[136]	20	2235.0386	1118.0230	745.6844	**559.5151**
416.3099	208.6586	139.4415	104.8329	3	L	19	2098.9295	1049.9684	**700.3147**	**525.4878**
583.3082	292.1578	**195.1076**	146.5825	4	S[167]	18	1985.8454	993.4263	**662.6200**	**497.2168**
712.3508	356.6791	238.1218	178.8432	5	E	17	1818.8470	909.9272	606.9539	455.4672
827.3778	**414.1925**	276.4641	207.5999	6	D	16	1689.8045	**845.4059**	**563.9397**	423.2066
884.3992	**442.7033**	295.4713	221.8553	7	G	15	1574.7775	**787.8924**	**525.5974**	**394.4498**
983.4676	**492.2375**	328.4941	246.6224	8	V	14	1517.7561	**759.3817**	506.5902	380.1945
1084.5153	**542.7613**	362.1766	271.8843	9	T	13	1418.6876	**709.8475**	**473.5674**	355.4274
1199.5423	600.2748	400.5189	300.6410	10	D	12	1317.6400	**659.3236**	439.8848	330.1655
1256.5637	**628.7855**	**419.5261**	**314.8964**	11	G	11	1202.6130	601.8102	401.5425	301.4087
1371.5907	**686.2990**	457.8684	343.6531	12	D	10	1145.5916	573.2994	382.5354	287.1534
1428.6121	**714.8097**	476.8756	357.9085	13	G	9	1030.5646	**515.7860**	344.1931	258.3966
1564.7213	**782.8643**	**522.2453**	391.9358	14	K[136]	8	973.5432	487.2752	325.1859	244.1413
1661.7740	**831.3907**	**554.5962**	416.1990	15	P	7	**837.4340**	**419.2206**	279.8162	210.1140
1774.8581	**887.9327**	**592.2909**	444.4700	16	I	6	740.3812	370.6943	247.4653	185.8508
1871.9109	936.4591	624.6418	468.7332	17	P	5	**627.2972**	**314.1522**	209.7706	157.5798
2000.9534	1000.9804	**667.6560**	500.9938	18	E	4	**530.2444**	265.6259	177.4197	133.3166
2087.9855	1044.4964	696.6667	**522.7518**	19	S	3	401.2018	201.1046	134.4055	101.0559
2217.0281	1109.0177	739.6809	**555.0125**	20	E	2	**314.1698**	157.5885	105.3948	79.2979
				21	R[166]	1	185.1272	93.0672	62.3806	47.0373

Annotated spectra from Saleem et. al. 2009

R.RKS$_{167}$EEEPSKENPILQELK.D/3

0.9889

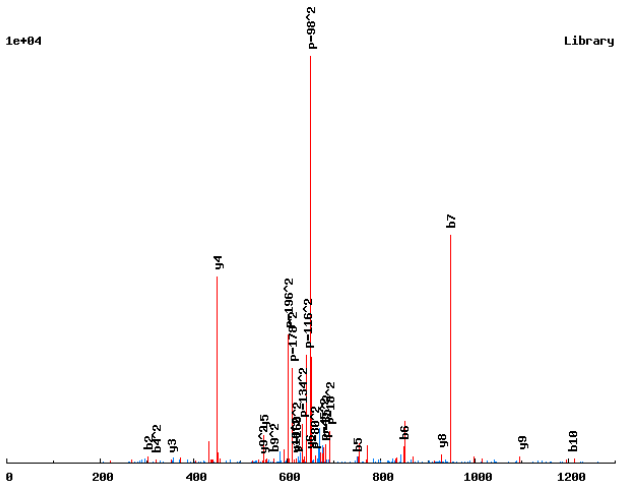


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	18			
285.2033	143.1053	95.7393	2	K	17	2078.0053	1039.5063	693.3399
452.2017	226.6045	151.4054	3	S[167]	16	1949.9103	**975.4588**	**650.6416**
581.2443	291.1258	194.4196	4	E	15	1782.9119	**891.9596**	**594.9755**
710.2869	355.6471	237.4338	5	E	14	1653.8694	**827.4383**	551.9613
839.3295	420.1684	280.4480	6	E	13	1524.8268	**762.9170**	508.9471
936.3822	468.6948	312.7989	7	P	12	1395.7842	**698.3957**	465.9329
1023.4143	512.2108	341.8096	8	S	11	1298.7314	**649.8693**	433.5820
1151.5092	576.2583	384.5079	9	K	10	1211.6994	606.3533	404.5713
1280.5518	**640.7796**	427.5221	10	E	9	**1083.6044**	542.3059	361.8730
1394.5948	**697.8010**	465.5364	11	N	8	**954.5618**	477.7846	318.8588
1491.6475	746.3274	497.8874	12	P	7	**840.5189**	420.7631	280.8445
1604.7316	**802.8694**	535.5820	13	I	6	743.4662	372.2367	248.4936
1717.8156	859.4115	573.2767	14	L	5	**630.3821**	315.6947	210.7989
1845.8742	923.4407	615.9629	15	Q	4	**517.2980**	259.1527	173.1042
1974.9168	**987.9620**	**658.9771**	16	E	3	**389.2394**	195.1234	130.4180
2088.0009	**1044.5041**	**696.6718**	17	L	2	260.1969	130.6021	87.4038
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$K$_{136}$S$_{167}$S$_{167}$LVVPPAR$_{166}$.A/2

0.9742

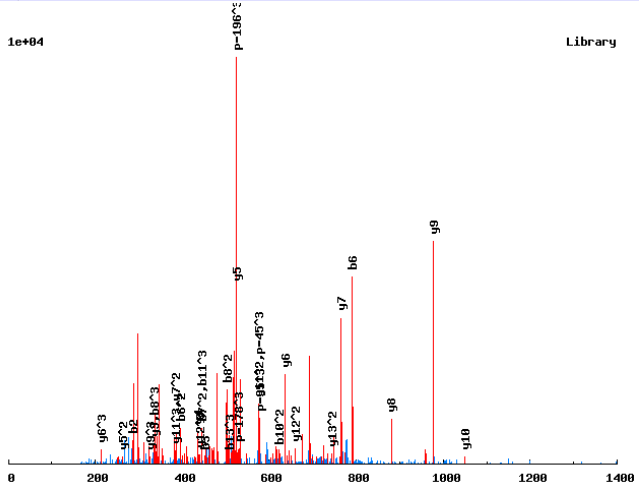


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	11		
303.2258	152.1165	2	K[136]	10	1231.5966	**616.3019**
470.2242	235.6157	3	S[167]	9	**1095.4875**	**548.2474**
637.2225	**319.1149**	4	S[167]	8	**928.4891**	464.7482
750.3066	375.6569	5	L	7	761.4907	381.2490
849.3750	425.1911	6	V	6	**648.4067**	324.7070
948.4434	474.7253	7	V	5	**549.3383**	275.1728
1045.4962	523.2517	8	P	4	**450.2698**	225.6386
1142.5489	**571.7781**	9	P	3	**353.2171**	177.1122
1213.5860	607.2967	10	A	2	256.1643	128.5858
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RKS$_{167}$S$_{167}$TAPDEISTSTK.N/3

0.9887

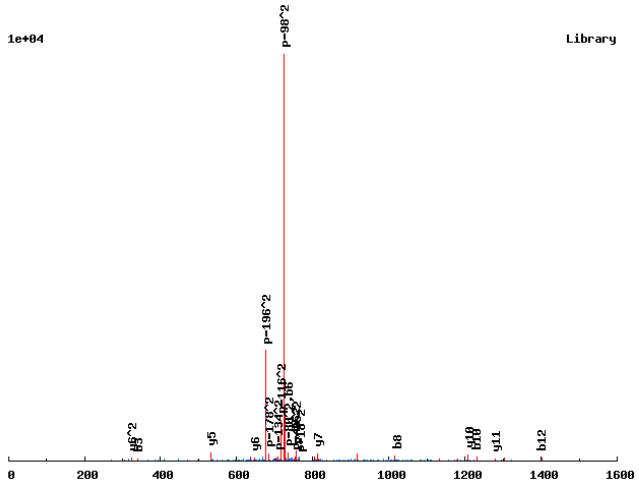


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	15			
285.2033	143.1053	95.7393	2	K	14	1611.6550	806.3312	537.8899
452.2017	226.6045	151.4054	3	S[167]	13	1483.5601	**742.2837**	495.1915
619.2001	310.1037	207.0715	4	S[167]	12	1316.5617	**658.7845**	**439.5254**
720.2478	360.6275	240.7541	5	T	11	1149.5634	**575.2853**	**383.8593**
791.2849	**396.1461**	264.4331	6	A	10	**1048.5157**	**524.7615**	350.1767
888.3376	**444.6725**	296.7841	7	P	9	**977.4786**	489.2429	**326.4977**
1003.3646	**502.1859**	**335.1264**	8	D	8	**880.4258**	440.7165	294.1468
1132.4072	566.7072	378.1406	9	E	7	**765.3989**	**383.2031**	255.8045
1245.4912	**623.2492**	415.8353	10	I	6	**636.3563**	318.6818	**212.7903**
1332.5232	666.7653	**444.8459**	11	S	5	**523.2722**	**262.1398**	175.0956
1433.5709	717.2891	478.5285	12	T	4	**436.2402**	218.6237	146.0849
1520.6030	760.8051	**507.5392**	13	S	3	**335.1925**	168.0999	112.4024
1621.6506	811.3290	541.2217	14	T	2	248.1605	124.5839	83.3917
			15	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.RLAS$_{167}$QVS$_{167}$LSEGLK.V/2

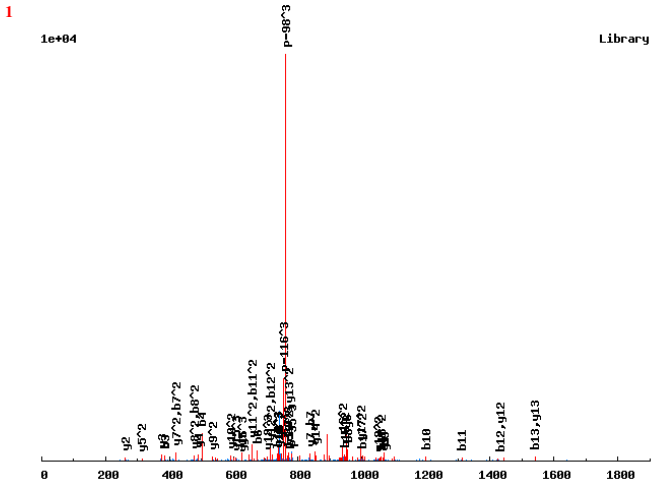
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	13		
270.1924	135.5999	2	L	12	1391.6219	696.3146
341.2296	171.1184	3	A	11	**1278.5378**	639.7726
508.2279	254.6176	4	S[167]	10	**1207.5007**	604.2540
636.2865	318.6469	5	Q	9	1040.5024	520.7548
735.3549	368.1811	6	V	8	912.4438	456.7255
902.3533	451.6803	7	S[167]	7	**813.3754**	407.1913
1015.4373	508.2223	8	L	6	**646.3770**	**323.6921**
1102.4694	551.7383	9	S	5	**533.2929**	267.1501
1231.5120	616.2596	10	E	4	446.2609	223.6341
1288.5334	644.7703	11	G	3	317.2183	159.1128
1401.6175	701.3124	12	L	2	260.1969	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.RLDDGDS$_{167}$DDENLDVNHIISR.V/3

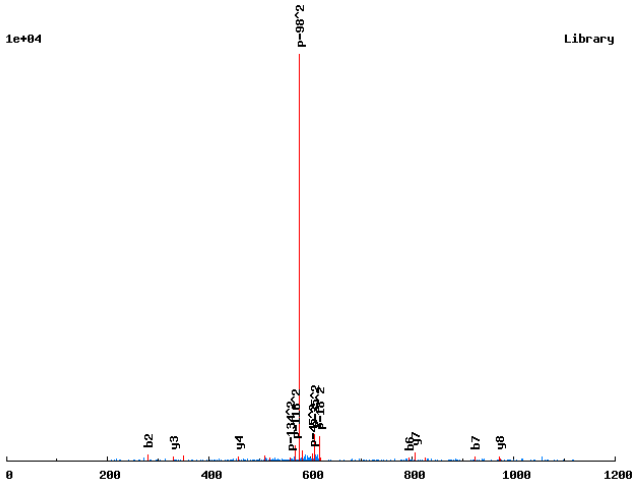


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	20			
270.1924	135.5999	90.7357	2	L	19	2221.9245	1111.4659	**741.3130**
385.2194	193.1133	129.0780	3	D	18	2108.8404	**1054.9238**	**703.6183**
500.2463	250.6268	167.4203	4	D	17	1993.8135	**997.4104**	665.2760
557.2678	279.1375	186.4275	5	G	16	1878.7865	**939.8969**	**626.9337**
672.2947	336.6510	224.7698	6	D	15	1821.7651	911.3862	**607.9265**
839.2931	**420.1502**	280.4359	7	S[167]	14	1706.7381	**853.8727**	569.5842
954.3200	**477.6637**	318.7782	8	D	13	**1539.7397**	**770.3735**	513.9181
1069.3470	535.1771	357.1205	9	D	12	**1424.7128**	**712.8600**	475.5758
1198.3896	599.6984	400.1347	10	E	11	1309.6859	**655.3466**	437.2335
1312.4325	**656.7199**	438.1490	11	N	10	1180.6433	**590.8253**	394.2193
1425.5166	**713.2619**	475.8437	12	L	9	**1066.6003**	**533.8038**	356.2050
1540.5435	**770.7754**	514.1860	13	D	8	**953.5163**	**477.2618**	318.5103
1639.6119	820.3096	547.2088	14	V	7	**838.4894**	**419.7483**	280.1680
1753.6548	877.3311	585.2231	15	N	6	**739.4209**	370.2141	247.1452
1890.7137	**945.8605**	630.9094	16	H	5	**625.3780**	**313.1926**	209.1309
2003.7978	**1002.4025**	668.6041	17	I	4	**488.3191**	244.6632	163.4446
2116.8819	**1058.9446**	706.2988	18	I	3	**375.2350**	188.1212	125.7499
2203.9139	1102.4606	**735.3095**	19	S	2	**262.1510**	131.5791	88.0552
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$LS$_{167}$AYLESSK$_{136}$.D/2

0.999

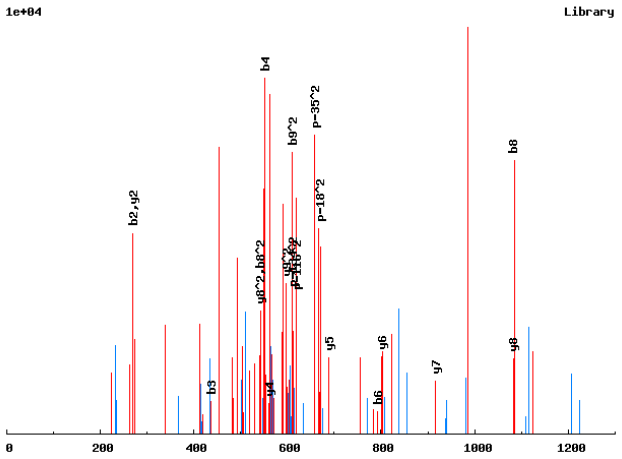


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	10		
280.2007	140.6040	2	L	9	1085.5006	543.2539
447.1991	224.1032	3	S[167]	8	**972.4165**	486.7119
518.2362	259.6217	4	A	7	**805.4181**	403.2127
681.2995	341.1534	5	Y	6	734.3810	367.6942
794.3836	397.6954	6	L	5	571.3177	286.1625
923.4262	462.2167	7	E	4	**458.2336**	229.6205
1010.4582	505.7327	8	S	3	**329.1911**	165.0992
1097.4902	549.2488	9	S	2	242.1590	121.5832
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.RLS$_{167}$DLQQYHI.-/2

0.9825

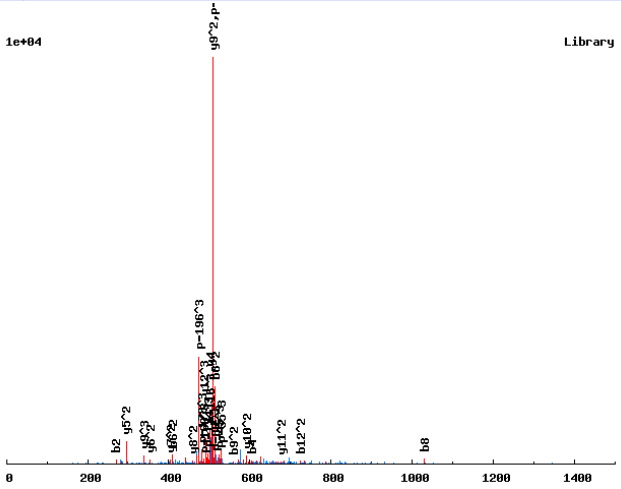


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	10		
270.1924	135.5999	2	L	9	1196.5347	**598.7710**
437.1908	219.0990	3	S[167]	8	**1083.4507**	**542.2290**
552.2178	276.6125	4	D	7	**916.4523**	458.7298
665.3018	333.1545	5	L	6	**801.4254**	401.2163
793.3604	397.1838	6	Q	5	**688.3413**	344.6743
921.4190	461.2131	7	Q	4	**560.2827**	280.6450
1084.4823	**542.7448**	8	Y	3	432.2241	216.6157
1221.5412	**611.2742**	9	H	2	**269.1608**	135.0840
		10	I	1	132.1019	66.5546

Annotated spectra from Saleem et. al. 2009

K.RLS$_{167}$S$_{167}$PLTDSGNRR.T/3

0.847

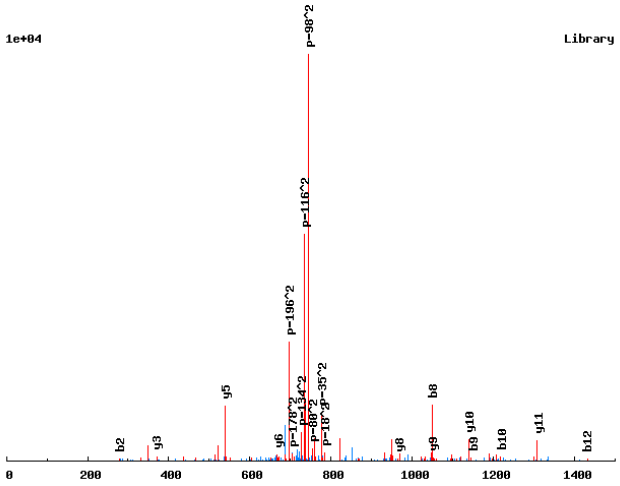


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	13			
270.1924	135.5999	90.7357	2	L	12	1462.6087	731.8080	**488.2078**
437.1908	219.0990	146.4018	3	S[167]	11	1349.5246	**675.2660**	450.5131
604.1892	302.5982	202.0679	4	S[167]	10	1182.5263	**591.7668**	394.8469
701.2419	351.1246	234.4188	5	P	9	1015.5279	**508.2676**	**339.1808**
814.3260	**407.6666**	272.1135	6	L	8	918.4752	**459.7412**	306.8299
915.3737	458.1905	305.7961	7	T	7	805.3911	**403.1992**	269.1352
1030.4006	**515.7039**	344.1384	8	D	6	704.3434	**352.6754**	235.4527
1117.4326	**559.2200**	373.1491	9	S	5	589.3165	**295.1619**	197.1103
1174.4541	587.7307	392.1562	10	G	4	**502.2844**	251.6459	168.0997
1288.4970	644.7522	430.1705	11	N	3	445.2630	223.1351	149.0925
1444.5981	**722.8027**	482.2042	12	R	2	331.2201	166.1137	111.0782
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$LS$_{167}$SSS$_{167}$MEPATNK$_{136}$.D/2

0.9863

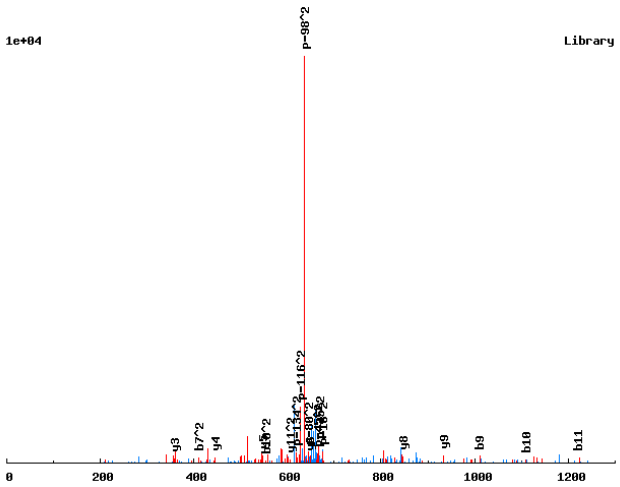


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	13		
280.2007	140.6040	2	L	12	1419.5354	710.2713
447.1991	224.1032	3	S[167]	11	**1306.4513**	653.7293
534.2311	267.6192	4	S	10	**1139.4530**	570.2301
621.2631	311.1352	5	S	9	**1052.4209**	526.7141
788.2615	394.6344	6	S[167]	8	**965.3889**	483.1981
919.3020	460.1546	7	M	7	798.3906	399.6989
1048.3446	524.6759	8	E	6	**667.3501**	334.1787
1145.3973	573.2023	9	P	5	**538.3075**	269.6574
1216.4345	608.7209	10	A	4	441.2547	221.1310
1317.4821	659.2447	11	T	3	**370.2176**	185.6124
1431.5251	716.2662	12	N	2	269.1699	135.0886
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.RLS$_{167}$SVVTTSPDK.A/2

0.6508

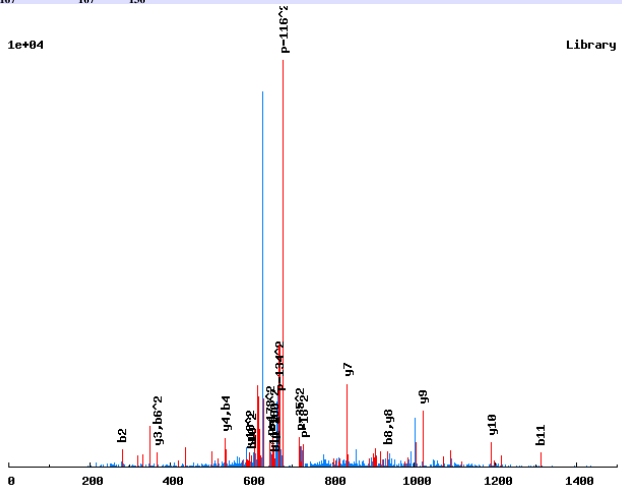


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	12		
270.1924	135.5999	2	L	11	1213.5712	**607.2892**
437.1908	219.0990	3	S[167]	10	1100.4871	550.7472
524.2228	262.6151	4	S	9	**933.4887**	467.2480
623.2913	312.1493	5	V	8	**846.4567**	423.7320
722.3597	361.6835	6	V	7	747.3883	374.1978
823.4073	**412.2073**	7	T	6	**648.3199**	324.6636
924.4550	462.7312	8	T	5	**547.2722**	274.1397
1011.4871	506.2472	9	S	4	**446.2245**	223.6159
1108.5398	**554.7735**	10	P	3	**359.1925**	180.0999
1223.5668	612.2870	11	D	2	262.1397	131.5735
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$LS$_{167}$SVVTTS$_{167}$PDK$_{136}$.A/2

0.9628

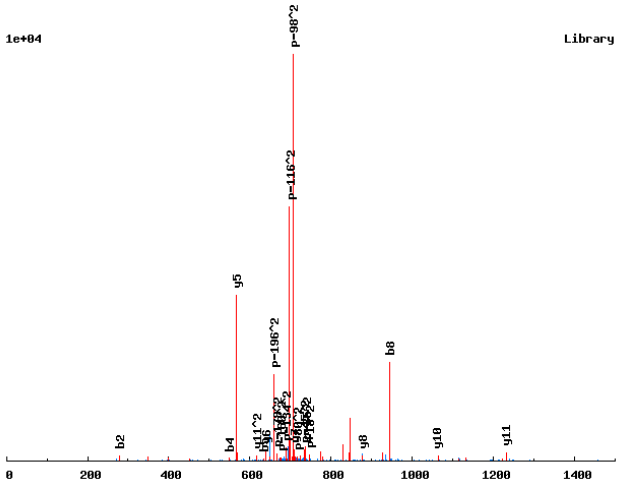


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	12		
280.2007	140.6040	2	L	11	1301.5517	**651.2795**
447.1991	224.1032	3	S[167]	10	**1188.4676**	**594.7375**
534.2311	267.6192	4	S	9	**1021.4693**	511.2383
633.2995	317.1534	5	V	8	**934.4372**	467.7223
732.3679	**366.6876**	6	V	7	**835.3688**	418.1881
833.4156	417.2114	7	T	6	736.3004	368.6539
934.4633	467.7353	8	T	5	635.2527	318.1300
1101.4617	551.2345	9	S[167]	4	**534.2051**	267.6062
1198.5144	**599.7608**	10	P	3	**367.2067**	184.1070
1313.5414	**657.2743**	11	D	2	270.1539	135.5806
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$LS$_{167}$TSS$_{167}$AAPPTSR$_{166}$.A/2

0.9987

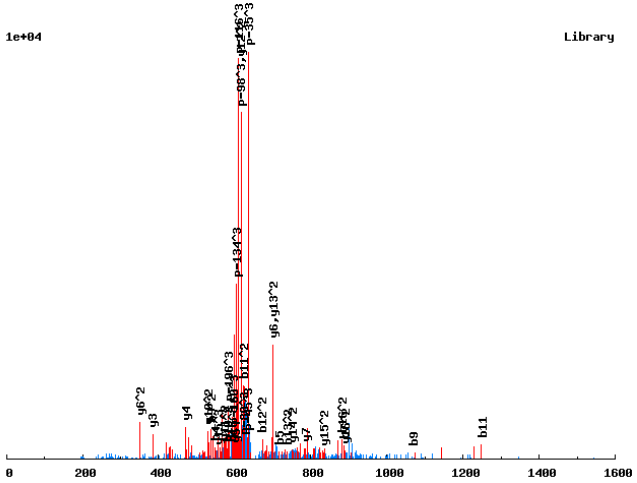


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	13		
280.2007	140.6040	2	L	12	1344.5472	672.7772
447.1991	224.1032	3	S[167]	11	1231.4631	616.2352
548.2468	274.6270	4	T	10	1064.4647	532.7360
635.2788	318.1430	5	S	9	963.4171	482.2122
802.2772	401.6422	6	S[167]	8	876.3850	438.6962
873.3143	437.1608	7	A	7	709.3867	355.1970
944.3514	472.6793	8	A	6	638.3496	319.6784
1041.4041	521.2057	9	P	5	567.3124	284.1599
1138.4569	569.7321	10	P	4	470.2597	235.6335
1239.5046	620.2559	11	T	3	373.2069	187.1071
1326.5366	663.7719	12	S	2	272.1592	136.5833
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$LS$_{167}$TS$_{167}$SSPSSSPMSAQR$_{166}$.R/3

0.9943

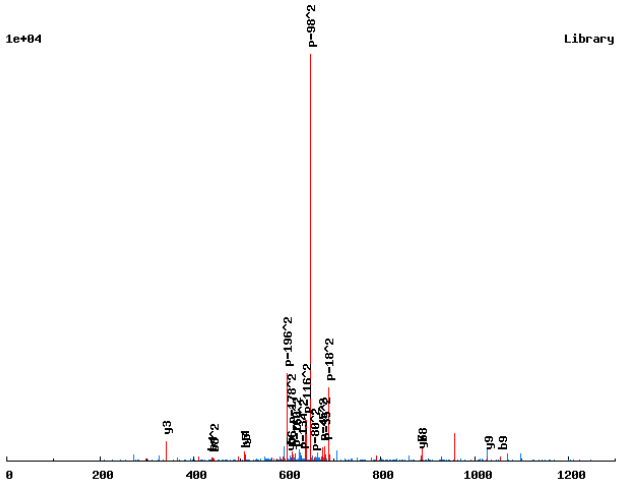


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	17			
280.2007	140.6040	94.0718	2	L	16	1779.6896	**890.3484**	**593.9014**
447.1991	224.1032	149.7379	3	S[167]	15	1666.6055	**833.8064**	**556.2067**
548.2468	274.6270	183.4204	4	T	14	1499.6071	**750.3072**	500.5406
715.2451	358.1262	239.0866	5	S[167]	13	1398.5595	**699.7834**	466.8580
802.2772	401.6422	268.0972	6	S	12	1231.5611	**616.2842**	411.1919
889.3092	445.1582	297.1079	7	S	11	1144.5291	**572.7682**	382.1812
986.3619	493.6846	329.4588	8	P	10	1057.4970	**529.2522**	353.1705
1073.3940	**537.2006**	358.4695	9	S	9	960.4443	480.7258	320.8196
1160.4260	**580.7166**	387.4802	10	S	8	873.4122	437.2098	291.8089
1247.4580	**624.2327**	416.4909	11	S	7	**786.3802**	393.6937	262.7983
1344.5108	**672.7590**	448.8418	12	P	6	**699.3482**	**350.1777**	233.7876
1475.5513	**738.2793**	492.5219	13	M	5	**602.2954**	301.6514	201.4367
1562.5833	781.7953	521.5326	14	S	4	**471.2549**	236.1311	157.7565
1633.6204	817.3139	545.2117	15	A	3	**384.2229**	192.6151	128.7458
1761.6790	**881.3431**	587.8979	16	Q	2	313.1858	157.0965	105.0668
			17	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.RLVAAPT$_{181}$VS$_{167}$PPK.I/2

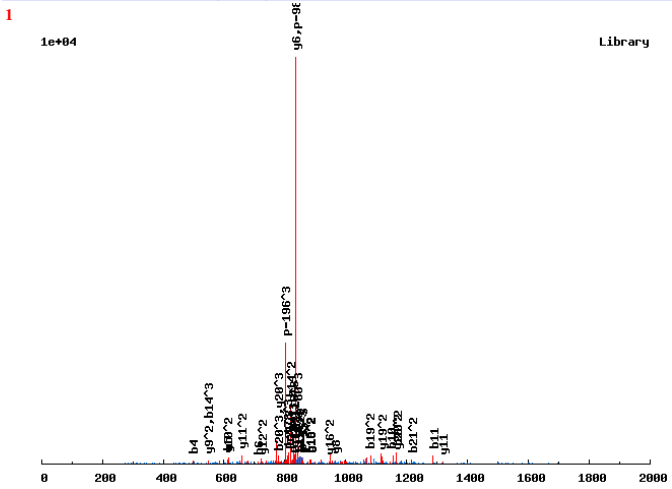
0.9622



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	12		
270.1924	135.5999	2	L	11	1239.5786	620.2929
369.2609	185.1341	3	V	10	1126.4945	563.7509
440.2980	220.6526	4	A	9	**1027.4261**	514.2167
511.3351	256.1712	5	A	8	956.3890	478.6981
608.3878	304.6976	6	P	7	**885.3519**	443.1796
789.4019	395.2046	7	T[181]	6	788.2991	394.6532
888.4703	**444.7388**	8	V	5	**607.2851**	304.1462
1055.4686	528.2380	9	S[167]	4	**508.2167**	254.6120
1152.5214	576.7643	10	P	3	**341.2183**	171.1128
1249.5741	625.2907	11	P	2	244.1656	122.5864
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.RLVEDVEPSEMPEKGAS$_{167}$VES$_{167}$VR.K/3

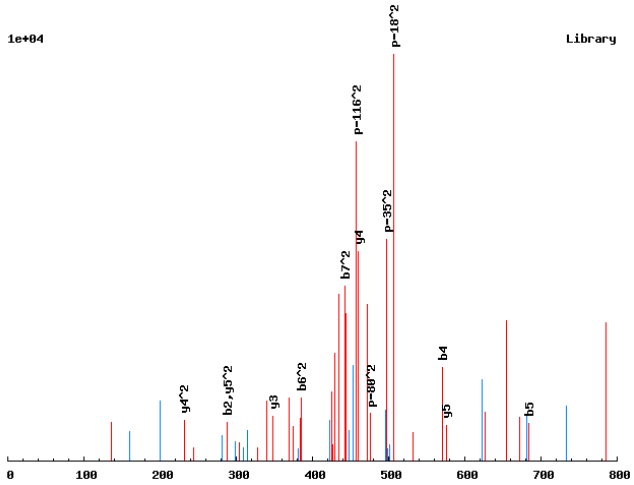


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	22			
270.1924	135.5999	90.7357	2	L	21	2447.0448	1224.0261	816.3531
369.2609	185.1341	123.7585	3	V	20	2333.9608	**1167.4840**	**778.6584**
498.3034	249.6554	166.7727	4	E	19	2234.8924	**1117.9498**	745.6356
613.3304	307.1688	205.1150	5	D	18	2105.8498	1053.4285	702.6214
712.3988	356.7030	238.1378	6	V	17	1990.8228	995.9151	664.2791
841.4414	421.2243	281.1520	7	E	16	1891.7544	**946.3809**	631.2563
938.4941	469.7507	313.5029	8	P	15	1762.7118	**881.8596**	588.2421
1025.5262	513.2667	342.5136	9	S	14	1665.6591	**833.3332**	555.8912
1154.5688	577.7880	385.5278	10	E	13	1578.6270	789.8172	526.8805
1285.6093	643.3083	429.2079	11	M	12	1449.5845	**725.2959**	483.8663
1382.6620	691.8347	461.5589	12	P	11	**1318.5440**	**659.7756**	440.1862
1511.7046	756.3559	504.5731	13	E	10	1221.4912	**611.2492**	407.8353
1639.7996	**820.4034**	**547.2714**	14	K	9	1092.4486	**546.7279**	364.8211
1696.8210	**848.9142**	566.2785	15	G	8	**964.3537**	482.6805	322.1227
1767.8581	**884.4327**	589.9576	16	A	7	907.3322	454.1697	303.1156
1934.8565	967.9319	645.6237	17	S[167]	6	**836.2951**	418.6512	279.4365
2033.9249	1017.4661	678.6465	18	V	5	669.2967	335.1520	223.7704
2162.9675	**1081.9874**	721.6607	19	E	4	570.2283	285.6178	190.7476
2329.9659	**1165.4866**	**777.3268**	20	S[167]	3	441.1857	221.0965	147.7334
2429.0343	**1215.0208**	**810.3496**	21	V	2	274.1874	137.5973	92.0673
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.RMS$_{167}$DLSLK.S/2

0.7651

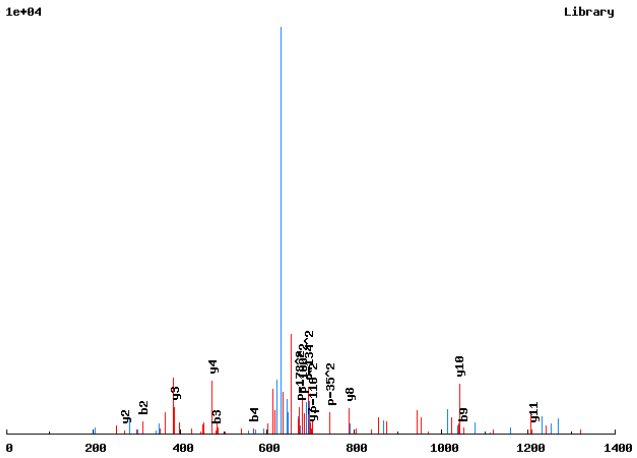


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	8		
288.1489	144.5781	2	M	7	873.3787	437.1930
455.1472	228.0773	3	S[167]	6	742.3383	371.6728
570.1742	285.5907	4	D	5	**575.3399**	**288.1736**
683.2582	342.1328	5	L	4	**460.3130**	**230.6601**
770.2903	**385.6488**	6	S	3	**347.2289**	174.1181
883.3743	**442.1908**	7	L	2	260.1969	130.6021
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$M$_{147}$S$_{167}$SS$_{167}$SGGDSISR$_{166}$.Q/2

0.8386

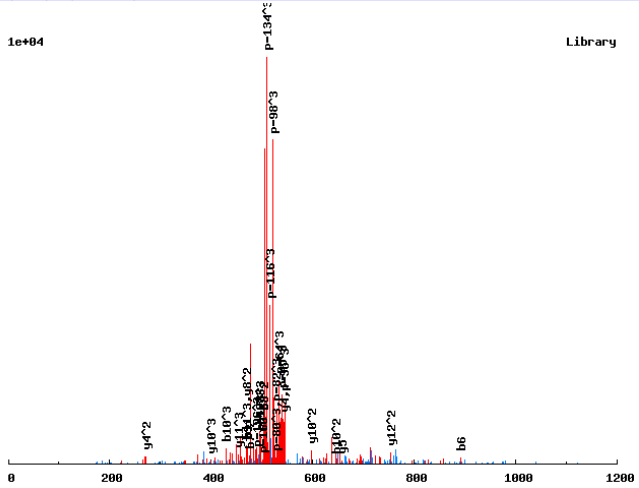


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	13		
314.1521	157.5797	2	M[147]	12	1356.4414	678.7243
481.1504	241.0788	3	S[167]	11	**1209.4060**	605.2066
568.1825	284.5949	4	S	10	**1042.4076**	521.7075
735.1808	368.0940	5	S[167]	9	955.3756	478.1914
822.2128	411.6101	6	S	8	**788.3772**	394.6923
879.2343	440.1208	7	G	7	**701.3452**	351.1762
936.2558	468.6315	8	G	6	644.3237	322.6655
1051.2827	526.1450	9	D	5	587.3023	294.1548
1138.3147	569.6610	10	S	4	**472.2753**	236.6413
1251.3988	626.2030	11	I	3	**385.2433**	193.1253
1338.4308	669.7191	12	S	2	**272.1592**	136.5833
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RM$_{147}$S$_{167}$SS$_{167}$S$_{167}$GGDS$_{167}$ISR.Q/3

0.7389

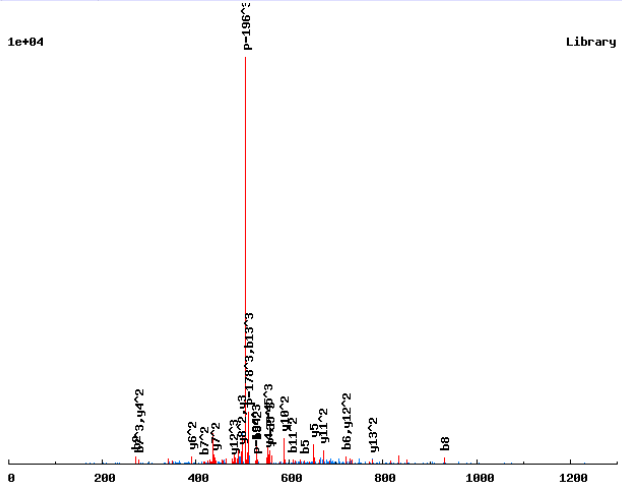


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	13			
304.1438	152.5755	102.0528	2	M[147]	12	1506.3658	**753.6865**	502.7934
471.1422	236.0747	157.7189	3	S[167]	11	1359.3304	680.1688	**453.7816**
558.1742	279.5907	186.7296	4	S	10	1192.3320	**596.6696**	**398.1155**
725.1725	363.0899	242.3957	5	S[167]	9	1105.3000	553.1536	369.1048
892.1709	446.5891	298.0618	6	S[167]	8	938.3016	**469.6545**	313.4387
949.1924	**475.0998**	317.0690	7	G	7	771.3033	386.1553	257.7726
1006.2138	**503.6106**	336.0761	8	G	6	714.2818	357.6445	238.7655
1121.2408	561.1240	374.4184	9	D	5	**657.2603**	329.1338	219.7583
1288.2391	**644.6232**	**430.0846**	10	S[167]	4	**542.2334**	**271.6203**	181.4160
1401.3232	701.1652	**467.7792**	11	I	3	375.2350	188.1212	125.7499
1488.3552	744.6812	**496.7899**	12	S	2	262.1510	131.5791	88.0552
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.RNPS$_{167}$PSIVKPGS$_{167}$RR.N/3

0.7977

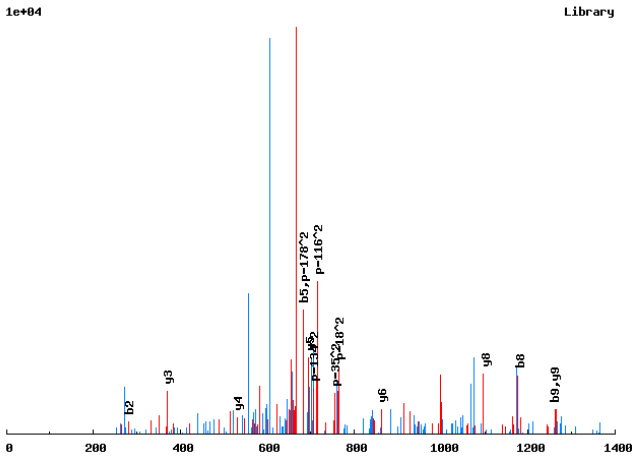


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	14			
271.1513	136.0793	91.0553	2	N	13	1554.7189	**777.8631**	518.9112
368.2041	184.6057	123.4062	3	P	12	1440.6760	**720.8416**	**480.8968**
535.2024	268.1049	179.0723	4	S[167]	11	1343.6232	**672.3153**	448.5459
632.2552	316.6312	211.4233	5	P	10	1176.6249	**588.8161**	392.8798
719.2872	360.1473	240.4339	6	S	9	1079.5721	540.2897	360.5289
832.3713	**416.6893**	**278.1286**	7	I	8	992.5401	**496.7737**	331.5182
931.4397	466.2235	311.1514	8	V	7	879.4560	**440.2316**	293.8235
1059.5347	**530.2710**	353.8497	9	K	6	780.3876	**390.6974**	260.8007
1156.5874	578.7974	386.2007	10	P	5	**652.2926**	326.6500	218.1024
1213.6089	**607.3081**	405.2078	11	G	4	**555.2399**	**278.1236**	185.7515
1380.6072	690.8073	460.8739	12	S[167]	3	**498.2184**	249.6129	166.7443
1536.7084	768.8578	**512.9076**	13	R	2	331.2201	166.1137	111.0782
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$NS$_{167}$AYS$_{167}$YYSPR$_{166}$.S/2

0.5823

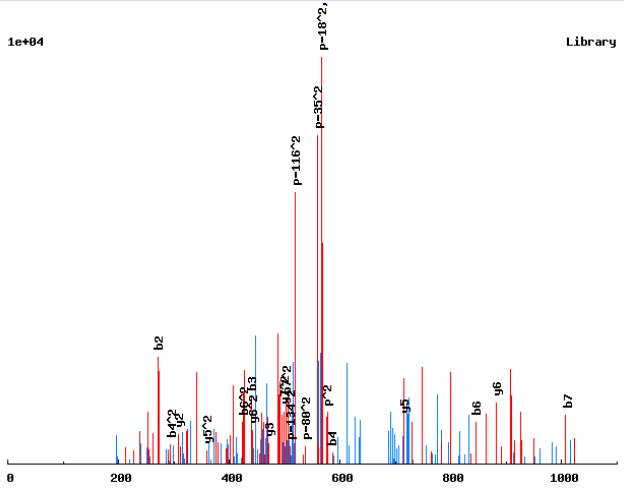


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	11		
281.1596	141.0834	2	N	10	1377.4788	689.2430
448.1579	224.5826	3	S[167]	9	**1263.4358**	632.2216
519.1951	260.1012	4	A	8	**1096.4375**	548.7224
682.2584	341.6328	5	Y	7	1025.4004	513.2038
849.2568	425.1320	6	S[167]	6	**862.3370**	431.6722
1012.3201	506.6637	7	Y	5	**695.3387**	348.1730
1175.3834	588.1953	8	Y	4	**532.2753**	266.6413
1262.4154	631.7114	9	S	3	**369.2120**	185.1096
1359.4682	680.2377	10	P	2	282.1800	141.5936
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RNS$_{167}$FPYC$_{160}$K.D/2

0.9398

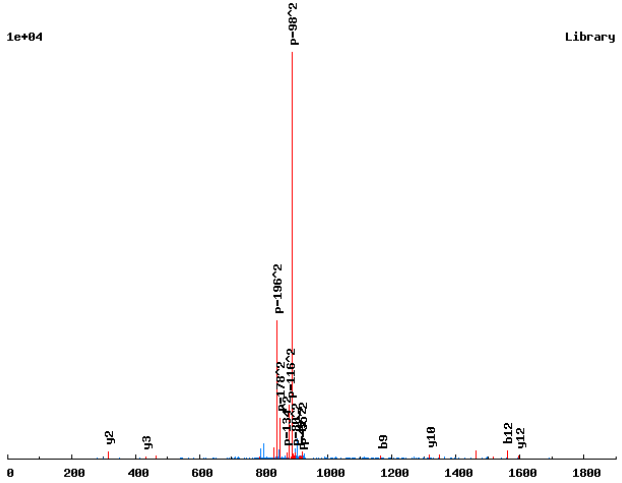


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	8		
271.1513	136.0793	2	N	7	995.3692	498.1883
438.1497	219.5785	3	S[167]	6	881.3263	441.1668
585.2181	293.1127	4	F	5	714.3280	357.6676
682.2709	341.6391	5	P	4	567.2595	284.1334
845.3342	423.1707	6	Y	3	470.2068	235.6070
1005.3648	503.1861	7	C[160]	2	307.1435	154.0754
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$NS$_{167}$ITGS$_{167}$LR$_{166}$S$_{167}$IDMR$_{166}$.E/2

0.95

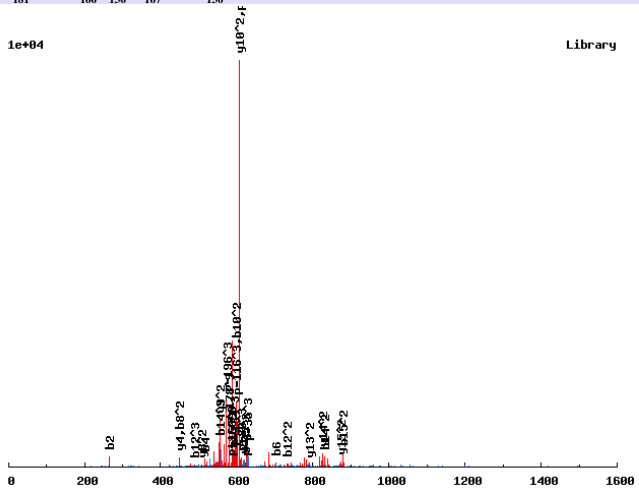


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	14		
281.1596	141.0834	2	N	13	1709.6634	855.3353
448.1579	224.5826	3	S[167]	12	**1595.6204**	798.3139
561.2420	281.1246	4	I	11	1428.6221	714.8147
662.2897	331.6485	5	T	10	**1315.5380**	658.2726
719.3112	360.1592	6	G	9	1214.4903	607.7488
886.3095	443.6584	7	S[167]	8	1157.4689	579.2381
999.3936	500.2004	8	L	7	990.4705	495.7389
1165.5030	583.2551	9	R[166]	6	877.3864	439.1969
1332.5013	666.7543	10	S[167]	5	711.2771	356.1422
1445.5854	723.2963	11	I	4	544.2787	272.6430
1560.6123	780.8098	12	D	3	**431.1946**	216.1010
1691.6528	846.3300	13	M	2	**316.1677**	158.5875
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$PAT$_{181}$STPPR$_{166}$K$_{136}$PS$_{167}$PVVK$_{136}$.R/3

0.9638

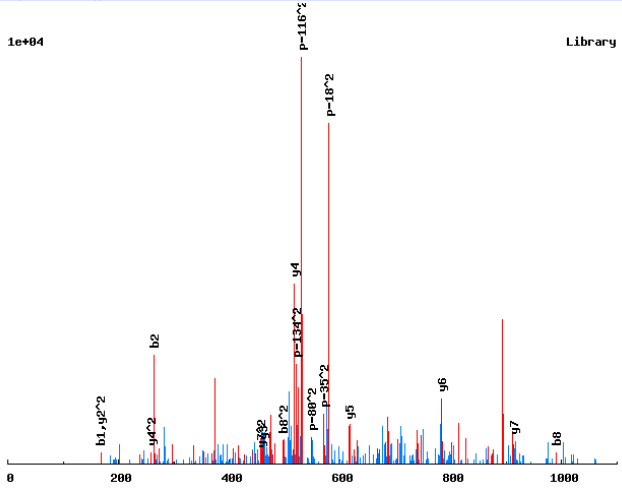


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	16			
264.1694	132.5883	88.7280	2	P	15	1747.8753	**874.4413**	583.2966
335.2065	168.1069	112.4070	3	A	14	1650.8226	**825.9149**	550.9457
516.2205	258.6139	172.7450	4	T[181]	13	1579.7855	**790.3964**	527.2667
603.2526	302.1299	201.7557	5	S	12	1398.7715	699.8894	466.9287
704.3003	352.6538	235.4383	6	T	11	1311.7394	656.3734	437.9180
801.3530	401.1801	267.7892	7	P	10	1210.6918	**605.8495**	404.2354
898.4058	**449.7065**	300.1401	8	P	9	1113.6390	**557.3231**	371.8845
1064.5151	532.7612	355.5099	9	R[166]	8	1016.5862	**508.7968**	339.5336
1200.6243	**600.8158**	400.8796	10	K[136]	7	850.4769	425.7421	284.1638
1297.6771	649.3422	433.2305	11	P	6	714.3677	357.6875	238.7941
1464.6754	**732.8414**	**488.8967**	12	S[167]	5	**617.3149**	309.1611	206.4432
1561.7282	781.3677	521.2476	13	P	4	**450.3166**	225.6619	150.7770
1660.7966	**830.9019**	**554.2704**	14	V	3	353.2638	177.1355	118.4261
1759.8650	**880.4361**	**587.2932**	15	V	2	254.1954	127.6013	85.4033
			16	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$PQS$_{167}$VGQFR$_{166}$.S/2

0.7021

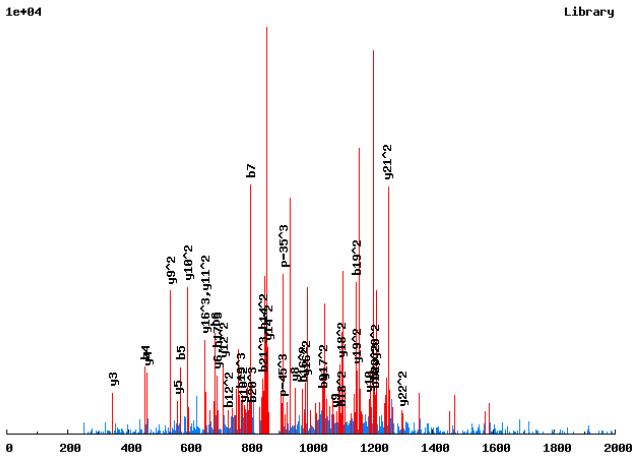


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	**1**	**R[166]**	**9**		
264.1694	132.5883	**2**	**P**	**8**	1008.4538	504.7305
392.2280	196.6176	**3**	**Q**	**7**	**911.4010**	**456.2042**
559.2264	280.1168	**4**	**S[167]**	**6**	**783.3424**	392.1749
658.2948	329.6510	**5**	**V**	**5**	**616.3441**	308.6757
715.3162	358.1618	**6**	**G**	**4**	**517.2757**	**259.1415**
843.3748	422.1910	**7**	**Q**	**3**	**460.2542**	230.6307
990.4432	**495.7253**	**8**	**F**	**2**	332.1956	**166.6015**
		9	**R[166]**	**1**	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

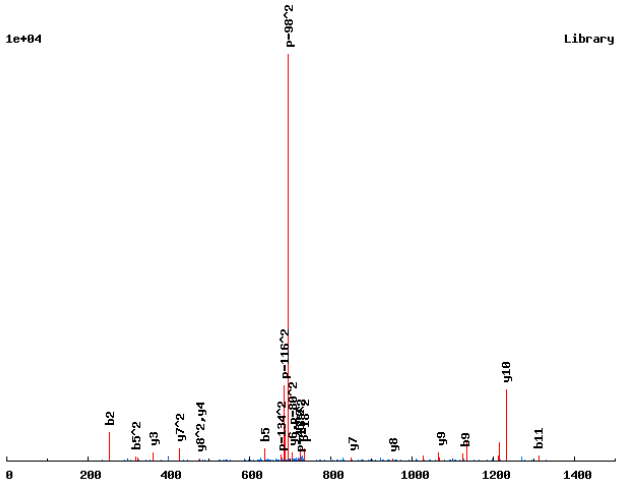
K.RPSDDDDNES$_{167}$EDDDKQEEVDISK.Y/3

0.9916



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	23			
254.1612	127.5842	85.3919	2	P	22	2603.9628	**1302.4850**	868.6591
341.1932	171.1002	114.4026	3	S	21	2506.9100	**1253.9587**	836.3082
456.2201	228.6137	152.7449	4	D	20	2419.8780	**1210.4426**	807.2975
571.2471	286.1272	191.0872	5	D	19	2304.8511	**1152.9292**	768.9552
686.2740	343.6406	229.4295	6	D	18	2189.8241	**1095.4157**	730.6129
801.3009	401.1541	267.7718	7	D	17	2074.7972	**1037.9022**	692.2706
915.3439	458.1756	305.7861	8	N	16	1959.7703	**980.3888**	**653.9283**
1044.3865	522.6969	348.8003	9	E	15	1845.7273	923.3673	615.9140
1211.3848	606.1961	404.4665	10	S[167]	14	1716.6847	**858.8460**	572.8998
1340.4274	670.7173	447.4807	11	E	13	1549.6864	**775.3468**	517.2336
1455.4544	**728.2308**	485.8230	12	D	12	1420.6438	**710.8255**	474.2194
1570.4813	785.7443	524.1653	13	D	11	1305.6168	**653.3121**	435.8771
1685.5082	**843.2578**	562.5076	14	D	10	**1190.5899**	**595.7986**	397.5348
1813.6032	907.3052	605.2059	15	K	9	**1075.5630**	**538.2851**	359.1925
1941.6618	**971.3345**	647.8921	16	Q	8	**947.4680**	474.2376	316.4942
2070.7044	1035.8558	**690.9063**	17	E	7	819.4094	410.2084	273.8080
2199.7470	**1100.3771**	733.9205	18	E	6	**690.3668**	345.6871	230.7938
2298.8154	**1149.9113**	**766.9433**	19	V	5	**561.3242**	281.1658	187.7796
2413.8423	**1207.4248**	**805.2856**	20	D	4	**462.2558**	231.6316	154.7568
2526.9264	1263.9668	**842.9803**	21	I	3	**347.2289**	174.1181	116.4145
2613.9584	1307.4828	871.9910	22	S	2	234.1448	117.5761	78.7198
			23	K	1	147.1128	74.0600	49.7091

R.RPS$_{167}$NTFNLDADR.I/2

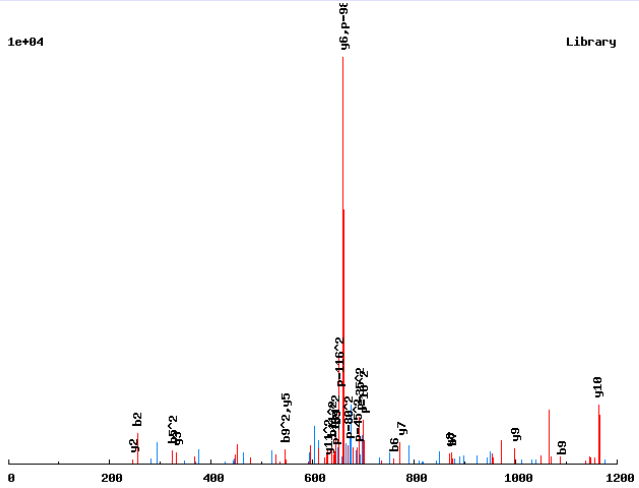


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	12		
254.1612	127.5842	2	P	11	1329.5471	665.2772
421.1595	211.0834	3	S[167]	10	**1232.4943**	616.7508
535.2024	268.1049	4	N	9	**1065.4959**	533.2516
636.2501	**318.6287**	5	T	8	**951.4530**	**476.2302**
783.3185	392.1629	6	F	7	**850.4053**	**425.7063**
897.3615	449.1844	7	N	6	**703.3369**	352.1721
1010.4455	505.7264	8	L	5	589.2940	295.1506
1125.4725	563.2399	9	D	4	**476.2099**	238.6086
1196.5096	598.7584	10	A	3	**361.1830**	181.0951
1311.5365	656.2719	11	D	2	290.1459	145.5766
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.RPS$_{167}$QPLNTLSPK.L/2

0.9749

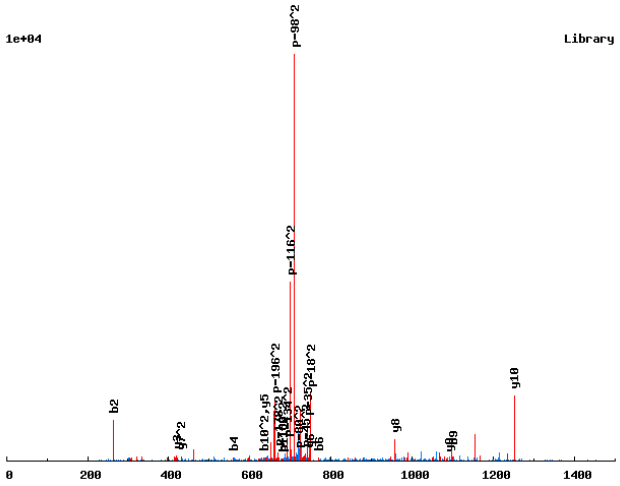


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	12		
254.1612	127.5842	2	P	11	1261.6188	**631.3130**
421.1595	211.0834	3	S[167]	10	**1164.5660**	582.7867
549.2181	275.1127	4	Q	9	**997.5677**	499.2875
646.2709	**323.6391**	5	P	8	**869.5091**	435.2582
759.3549	380.1811	6	L	7	**772.4563**	386.7318
873.3978	437.2026	7	N	6	**659.3723**	330.1898
974.4455	487.7264	8	T	5	**545.3293**	273.1683
1087.5296	**544.2684**	9	L	4	444.2817	222.6445
1174.5616	587.7844	10	S	3	**331.1976**	166.1024
1271.6144	**636.3108**	11	P	2	**244.1656**	122.5864
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$PS$_{167}$QPLNTLS$_{167}$PK$_{136}$L/2

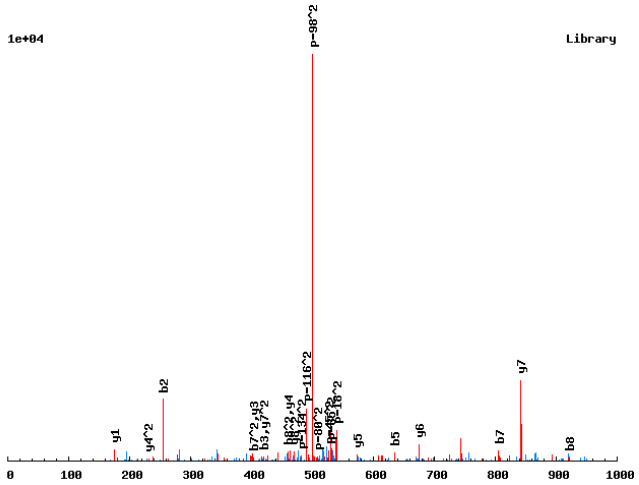
0.9921



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	12		
264.1694	132.5883	2	P	11	1349.5993	675.3033
431.1678	216.0875	3	S[167]	10	**1252.5466**	626.7769
559.2264	280.1168	4	Q	9	**1085.5482**	543.2777
656.2791	328.6432	5	P	8	**957.4896**	479.2484
769.3632	385.1852	6	L	7	860.4369	**430.7221**
883.4061	442.2067	7	N	6	**747.3528**	374.1800
984.4538	492.7305	8	T	5	**633.3099**	317.1586
1097.5379	549.2726	9	L	4	532.2622	266.6347
1264.5362	**632.7717**	10	S[167]	3	**419.1781**	210.0927
1361.5890	**681.2981**	11	P	2	252.1798	126.5935
		12	K[136]	1	155.1270	78.0671

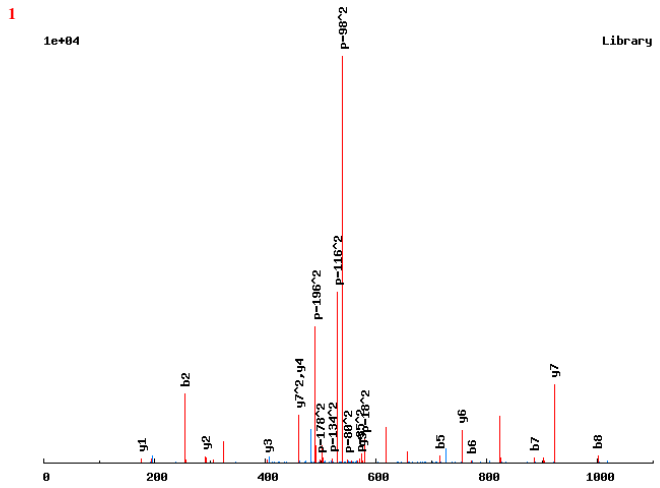
R.RPS$_{167}$TIGLDR.A/2

0.9888



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	**1**	**R**	**9**		
254.1612	127.5842	**2**	**P**	**8**	938.4343	**469.7208**
421.1595	211.0834	**3**	**S[167]**	**7**	**841.3815**	**421.1944**
522.2072	261.6072	**4**	**T**	**6**	**674.3832**	337.6952
635.2913	318.1493	**5**	**I**	**5**	**573.3355**	287.1714
692.3127	346.6600	**6**	**G**	**4**	**460.2514**	**230.6293**
805.3968	**403.2020**	**7**	**L**	**3**	**403.2299**	202.1186
920.4237	**460.7155**	**8**	**D**	**2**	290.1459	145.5766
		9	**R**	**1**	**175.1190**	88.0631

R.RPS$_{167}$T$_{181}$IGLDR.A/2

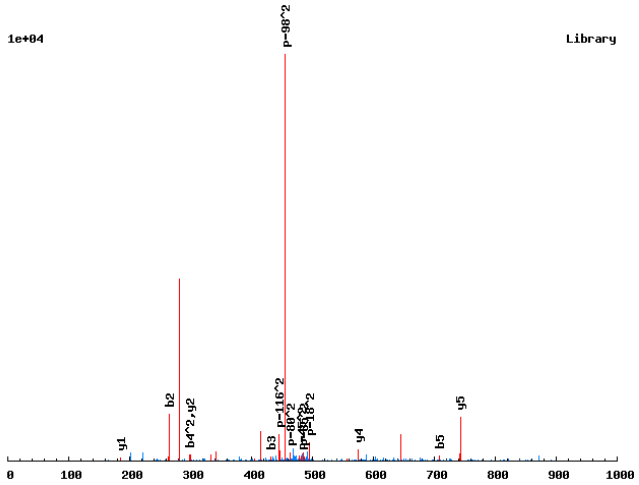


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	9		
254.1612	127.5842	2	P	8	1018.4006	509.7039
421.1595	211.0834	3	S[167]	7	**921.3478**	**461.1776**
602.1735	301.5904	4	T[181]	6	**754.3495**	377.6784
715.2576	358.1324	5	I	5	**573.3355**	287.1714
772.2790	386.6432	6	G	4	**460.2514**	230.6293
885.3631	443.1852	7	L	3	**403.2299**	202.1186
1000.3900	500.6987	8	D	2	**290.1459**	145.5766
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.R$_{166}$PS$_{167}$YNIR$_{166}$.L/2

0.9225

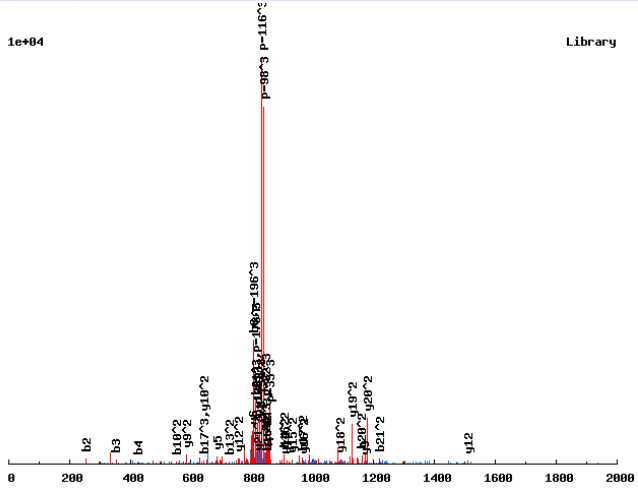


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	7		
264.1694	132.5883	2	P	6	839.3687	420.1880
431.1678	216.0875	3	S[167]	5	**742.3159**	371.6616
594.2311	**297.6192**	4	Y	4	**575.3175**	288.1624
708.2740	354.6407	5	N	3	412.2542	206.6307
821.3581	411.1827	6	I	2	**298.2113**	149.6093
		7	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.RPVAS$_{167}$SAGS$_{167}$ENNDHLDDM$_{147}$NHLR.S/3

0.8671

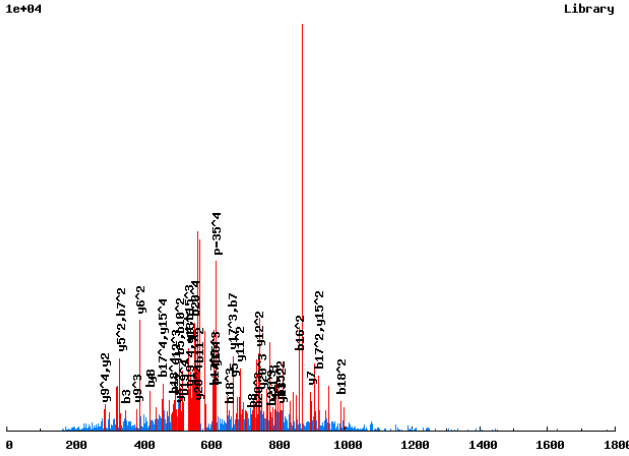


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	22			
254.1612	127.5842	85.3919	2	P	21	2454.9381	1227.9727	**818.9842**
353.2296	177.1184	118.4147	3	V	20	2357.8853	**1179.4463**	786.6333
424.2667	212.6370	142.0937	4	A	19	2258.8169	**1129.9121**	753.6105
591.2650	296.1362	197.7599	5	S[167]	18	2187.7798	**1094.3935**	729.9315
678.2971	339.6522	226.7705	6	S	17	2020.7815	1010.8944	674.2653
749.3342	375.1707	250.4496	7	A	16	1933.7494	**967.3784**	645.2547
806.3556	403.6815	269.4567	8	G	15	1862.7123	**931.8598**	621.5756
973.3540	487.1806	325.1229	9	S[167]	14	1805.6909	**903.3491**	602.5685
1102.3966	**551.7019**	368.1370	10	E	13	1638.6925	**819.8499**	546.9023
1216.4395	608.7234	406.1514	11	N	12	**1509.6499**	**755.3286**	503.8882
1330.4824	665.7449	444.1657	12	N	11	1395.6070	698.3071	465.8738
1445.5094	**723.2583**	482.5080	13	D	10	1281.5640	**641.2857**	427.8595
1582.5683	791.7878	528.1943	14	H	9	**1166.5371**	**583.7722**	389.5172
1695.6524	**848.3298**	565.8890	15	L	8	1029.4782	515.2427	343.8309
1810.6793	**905.8433**	604.2313	16	D	7	**916.3941**	458.7007	306.1362
1925.7062	**963.3568**	**642.5736**	17	D	6	**801.3672**	401.1872	267.7939
2072.7416	1036.8745	691.5854	18	M[147]	5	**686.3403**	343.6738	229.4516
2186.7846	1093.8959	729.5997	19	N	4	539.3049	270.1561	180.4398
2323.8435	**1162.4254**	775.2860	20	H	3	425.2619	213.1346	142.4255
2436.9275	**1218.9674**	**812.9807**	21	L	2	288.2030	144.6051	96.7392
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.RPVASSAGS$_{167}$ENNDHLDDMNHLR.S/4

0.9983

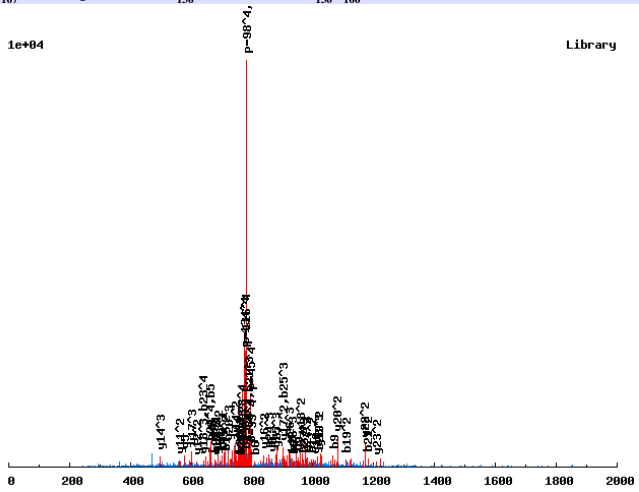


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
157.1084	79.0578	53.0410	40.0326	1	R	22				
254.1612	127.5842	85.3919	64.2957	2	P	21	2358.9769	1179.9921	**786.9971**	590.4997
353.2296	177.1184	118.4147	89.0628	3	V	20	2261.9241	1131.4657	**754.6462**	**566.2365**
424.2667	212.6370	142.0937	106.8221	4	A	19	2162.8557	1081.9315	721.6234	**541.4694**
511.2987	256.1530	171.1044	128.5801	5	S	18	2091.8186	1046.4129	697.9444	523.7101
598.3307	299.6690	200.1151	150.3381	6	S	17	2004.7865	1002.8969	**668.9337**	501.9521
669.3678	**335.1876**	223.7941	168.0974	7	A	16	1917.7545	959.3809	639.9230	480.1941
726.3893	363.6983	242.8013	182.3528	8	G	15	1846.7174	**923.8623**	**616.2440**	**462.4348**
893.3877	447.1975	298.4674	224.1024	9	S[167]	14	1789.6959	895.3516	597.2368	448.1794
1022.4303	**511.7188**	341.4816	256.3630	10	E	13	1622.6976	**811.8524**	**541.5707**	406.4299
1136.4732	**568.7402**	379.4959	284.8738	11	N	12	1493.6550	**747.3311**	**498.5565**	374.1692
1250.5161	625.7617	417.5102	313.3845	12	N	11	1379.6121	**690.3097**	460.5422	345.6585
1365.5431	683.2752	455.8525	342.1412	13	D	10	1265.5691	633.2882	422.5279	317.1477
1502.6020	751.8046	501.5388	376.4060	14	H	9	1150.5422	575.7747	**384.1856**	**288.3910**
1615.6860	**808.3467**	**539.2335**	404.6770	15	L	8	1013.4833	**507.2453**	338.4993	254.1263
1730.7130	**865.8601**	577.5758	433.4337	16	D	7	**900.3992**	450.7033	300.8046	225.8553
1845.7399	**923.3736**	**615.9182**	**462.1904**	17	D	6	785.3723	**393.1898**	262.4623	197.0985
1976.7804	**988.8938**	**659.5983**	**494.9506**	18	M	5	**670.3453**	**335.6763**	224.1200	168.3418
2090.8233	1045.9153	697.6126	**523.4613**	19	N	4	**539.3049**	270.1561	180.4398	135.5817
2227.8822	1114.4448	**743.2989**	**557.7260**	20	H	3	**425.2619**	213.1346	142.4255	107.0709
2340.9663	1170.9868	**780.9936**	585.9970	21	L	2	**288.2030**	144.6051	96.7392	72.8062
				22	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$QS$_{167}$EAFAGQNEDEADLK$_{136}$DDGSVVSGSNK$_{136}$R$_{166}$.K/4

0.8531

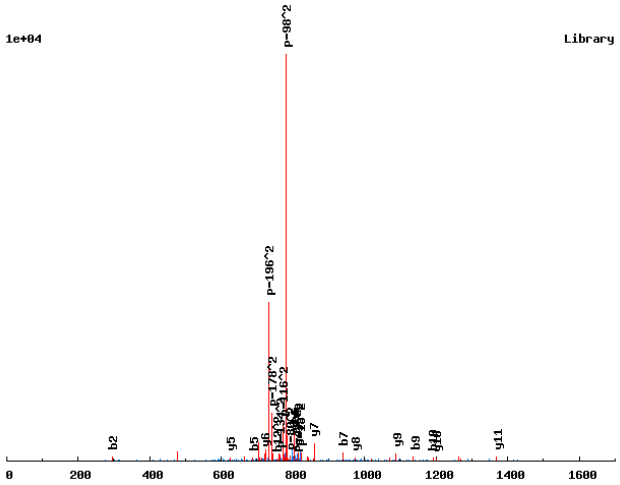


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
167.1167	84.0620	56.3771	42.5346	1	R[166]	29				
295.1752	148.0913	99.0633	74.5493	2	Q	28	3059.3435	1530.1754	1020.4527	**765.5913**
462.1736	231.5904	154.7294	116.2989	3	S[167]	27	2931.2850	1466.1461	**977.7665**	733.5767
591.2162	296.1117	197.7436	148.5595	4	E	26	2764.2866	1382.6469	**922.1004**	691.8271
662.2533	331.6303	221.4226	166.3188	5	A	25	2635.2440	1318.1256	**879.0862**	659.5665
809.3217	405.1645	270.4454	203.0859	6	F	24	2564.2069	1282.6071	**855.4072**	641.8072
880.3588	440.6831	294.1245	220.8452	7	A	23	2417.1385	**1209.0729**	806.3843	605.0401
937.3803	469.1938	313.1316	235.1005	8	G	22	2346.1014	**1173.5543**	**782.7053**	587.2808
1065.4389	533.2231	355.8178	267.1152	9	Q	21	2289.0799	1145.0436	**763.6982**	573.0254
1179.4818	590.2445	393.8321	295.6259	10	N	20	2161.0213	**1081.0143**	**721.0120**	541.0108
1308.5244	654.7658	436.8463	327.8866	11	E	19	2046.9784	**1023.9928**	**682.9977**	512.5001
1423.5513	**712.2793**	475.1886	356.6433	12	D	18	1917.9358	**959.4715**	**639.9835**	480.2394
1552.5939	**776.8006**	518.2028	388.9039	13	E	17	1802.9089	**901.9581**	**601.6411**	451.4827
1623.6310	812.3192	541.8819	406.6632	14	A	16	1673.8663	**837.4368**	558.6269	419.2220
1738.6580	869.8326	580.2242	435.4200	15	D	15	1602.8292	801.9182	534.9479	401.4628
1851.7420	926.3746	617.9189	463.6910	16	L	14	1487.8022	**744.4048**	**496.6056**	372.7060
1987.8512	**994.4292**	663.2886	497.7183	17	K[136]	13	1374.7182	**687.8627**	458.9109	344.4350
2102.8781	1051.9427	**701.6309**	526.4750	18	D	12	1238.6090	**619.8081**	413.5412	310.4077
2217.9051	**1109.4562**	739.9732	555.2317	19	D	11	1123.5821	**562.2947**	375.1989	281.6510
2274.9265	1137.9669	**758.9804**	569.4871	20	G	10	**1008.5551**	504.7812	336.8566	252.8942
2361.9585	**1181.4829**	**787.9910**	591.2451	21	S	9	**951.5337**	476.2705	317.8494	238.6389
2461.0270	1231.0171	821.0138	616.0122	22	V	8	**864.5016**	432.7545	288.8387	216.8809
2560.0954	1280.5513	854.0366	**640.7793**	23	V	7	**765.4332**	383.2203	255.8159	192.1138
2647.1274	1324.0673	883.0473	**662.5373**	24	S	6	**666.3648**	333.6861	222.7931	167.3467
2704.1489	1352.5781	**902.0545**	**676.7927**	25	G	5	**579.3328**	290.1700	193.7825	145.5887
2791.1809	1396.0941	**931.0651**	698.5507	26	S	4	522.3113	261.6593	174.7753	131.3333
2905.2238	1453.1155	**969.0795**	727.0614	27	N	3	435.2793	218.1433	145.7646	109.5753
3041.3330	1521.1701	**1014.4492**	**761.0887**	28	K[136]	2	321.2364	161.1218	107.7503	81.0646
				29	R[166]	1	185.1272	93.0672	62.3806	47.0373

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$QS$_{167}$ILDHPVGS$_{167}$FK$_{136}$.G/2

1

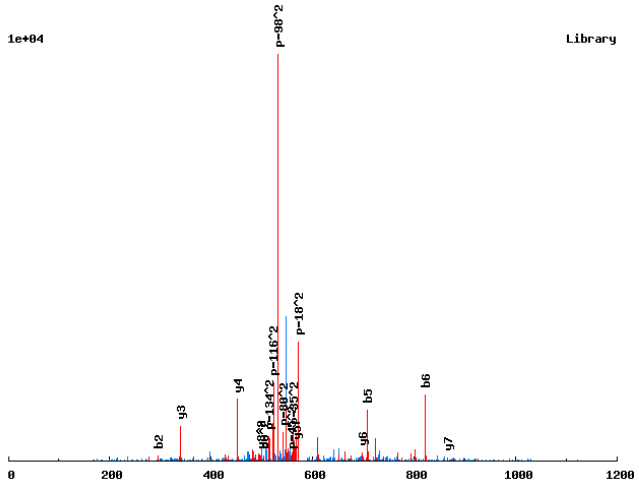


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	13		
295.1752	148.0913	2	Q	12	1495.6473	748.3273
462.1736	231.5904	3	S[167]	11	**1367.5887**	684.2980
575.2577	288.1325	4	I	10	**1200.5904**	600.7988
688.3417	344.6745	5	L	9	**1087.5063**	544.2568
803.3687	402.1880	6	D	8	**974.4222**	487.7148
940.4276	470.7174	7	H	7	**859.3953**	430.2013
1037.4803	519.2438	8	P	6	**722.3364**	361.6718
1136.5487	568.7780	9	V	5	**625.2836**	313.1455
1193.5702	597.2887	10	G	4	526.2152	263.6113
1360.5686	680.7879	11	S[167]	3	469.1938	235.1005
1507.6370	**754.3221**	12	F	2	302.1954	151.6013
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$QS$_{167}$MDIPSK$_{136}$.N/2

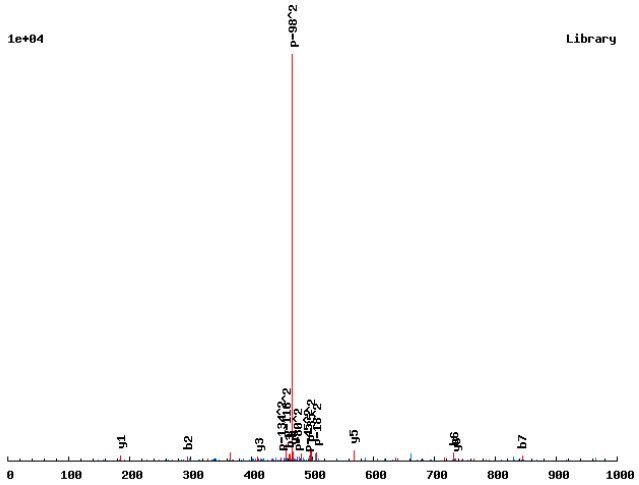
0.7745



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	9		
295.1752	148.0913	2	Q	8	993.4202	**497.2138**
462.1736	231.5904	3	S[167]	7	**865.3616**	433.1845
593.2141	297.1107	4	M	6	**698.3633**	349.6853
708.2410	354.6242	5	D	5	**567.3228**	284.1650
821.3251	411.1662	6	I	4	**452.2958**	226.6516
918.3779	459.6926	7	P	3	**339.2118**	170.1095
1005.4099	**503.2086**	8	S	2	242.1590	121.5832
		9	K[136]	1	155.1270	78.0671

R.R$_{166}$QS$_{167}$VGLIR$_{166}$.T/2

0.9826

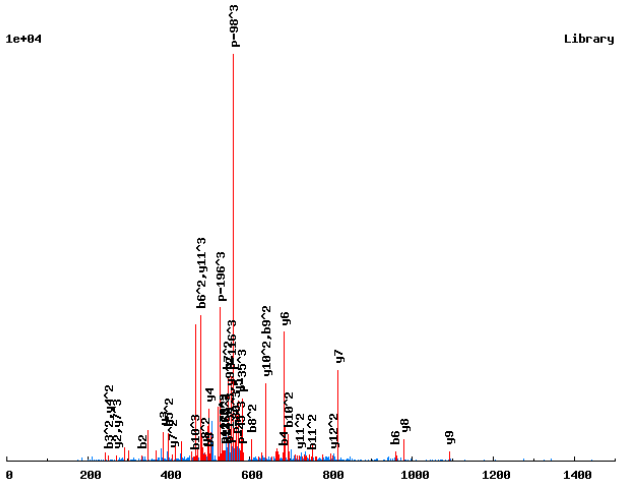


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	8		
295.1752	148.0913	2	Q	7	862.4422	431.7247
462.1736	231.5904	3	S[167]	6	**734.3836**	367.6954
561.2420	281.1246	4	V	5	**567.3852**	284.1962
618.2635	309.6354	5	G	4	**468.3168**	234.6620
731.3475	366.1774	6	L	3	**411.2953**	206.1513
844.4316	422.7194	7	I	2	298.2113	149.6093
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$R$_{166}$S$_{167}$T$_{181}$NYMDALNSR$_{166}$.E/3

0.9996

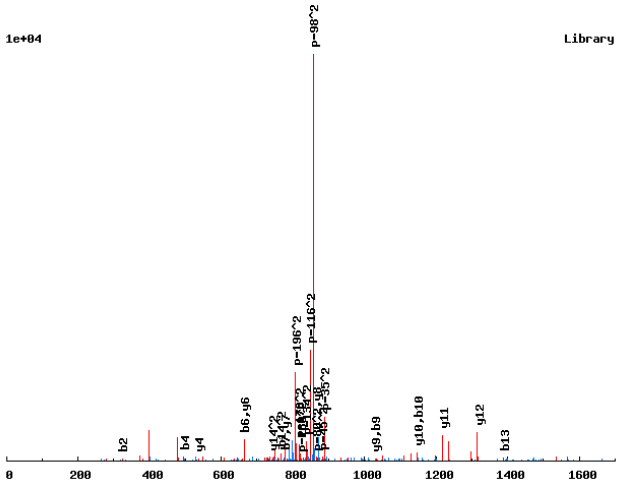


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	13			
333.2260	167.1167	111.7469	2	R[166]	12	1607.6188	**804.3130**	**536.5444**
500.2244	**250.6158**	167.4130	3	S[167]	11	1441.5094	**721.2583**	**481.1747**
681.2384	341.1228	227.7510	4	T[181]	10	1274.5110	**637.7592**	425.5085
795.2813	**398.1443**	265.7653	5	N	9	**1093.4970**	**547.2522**	365.1705
958.3447	**479.6760**	320.1197	6	Y	8	**979.4541**	**490.2307**	327.1562
1089.3852	**545.1962**	363.7999	7	M	7	**816.3908**	**408.6990**	**272.8018**
1204.4121	**602.7097**	402.1422	8	D	6	**685.3503**	343.1788	229.1216
1275.4492	**638.2282**	425.8213	9	A	5	**570.3233**	285.6653	190.7793
1388.5333	**694.7703**	**463.5159**	10	L	4	**499.2862**	**250.1468**	167.1003
1502.5762	**751.7917**	501.5303	11	N	3	**386.2022**	193.6047	129.4056
1589.6082	795.3078	530.5409	12	S	2	**272.1592**	136.5833	91.3913
			13	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.RS$_{167}$ATPANS$_{167}$SNGANFQK.E/2

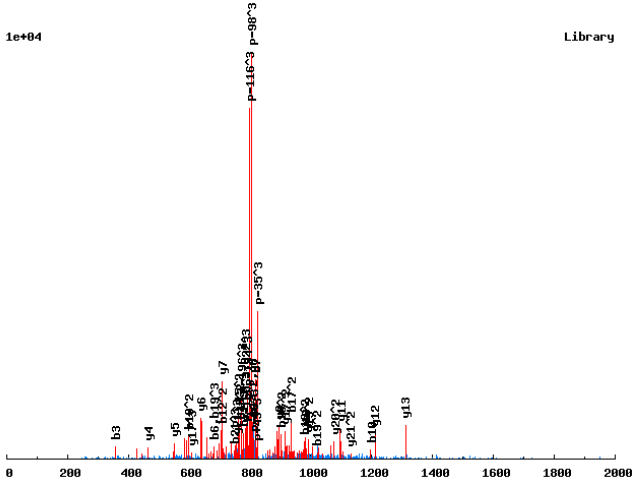
0.9804



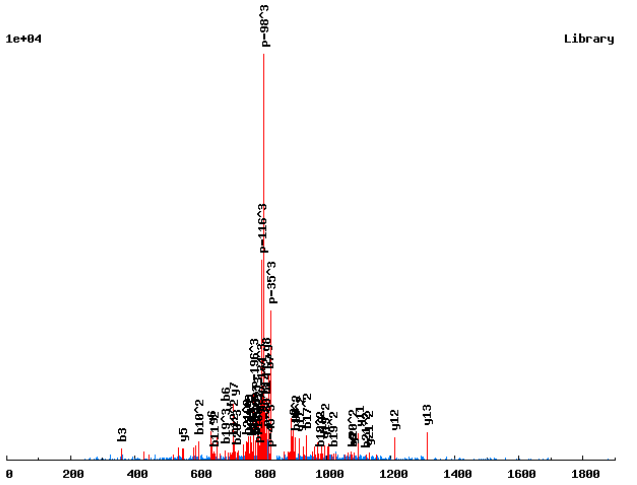
b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	16		
324.1068	162.5570	2	S[167]	15	1653.6306	827.3189
395.1439	198.0756	3	A	14	1486.6322	**743.8197**
496.1915	248.5994	4	T	13	1415.5951	708.3012
593.2443	297.1258	5	P	12	**1314.5474**	657.7773
664.2814	332.6443	6	A	11	**1217.4947**	609.2510
778.3243	389.6658	7	N	10	**1146.4575**	573.7324
945.3227	473.1650	8	S[167]	9	**1032.4146**	516.7109
1032.3547	516.6810	9	S	8	**865.4163**	433.2118
1146.3977	573.7025	10	N	7	**778.3842**	389.6958
1203.4191	602.2132	11	G	6	**664.3413**	332.6743
1274.4562	637.7318	12	A	5	607.3198	304.1636
1388.4992	694.7532	13	N	4	**536.2827**	268.6450
1535.5676	**768.2874**	14	F	3	422.2398	211.6235
1663.6262	832.3167	15	Q	2	275.1714	138.0893
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.RSDS$_{167}$GVHS$_{167}$PITDNSSVASSTTSR.A/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	23			
244.1404	122.5739	82.0517	2	S	22	2351.9388	1176.4731	**784.6511**
359.1674	180.0873	120.3940	3	D	21	2264.9068	**1132.9570**	**755.6405**
526.1657	263.5865	176.0601	4	S[167]	20	2149.8799	**1075.4436**	717.2981
583.1872	292.0972	195.0672	5	G	19	1982.8815	**991.9444**	661.6320
682.2556	341.6314	228.0901	6	V	18	1925.8600	963.4337	642.6249
819.3145	410.1609	273.7764	7	H	17	1826.7916	**913.8995**	**609.6021**
986.3129	493.6601	329.4425	8	S[167]	16	1689.7327	845.3700	563.9158
1083.3656	542.1865	361.7934	9	P	15	1522.7343	**761.8708**	508.2496
1196.4497	**598.7285**	399.4881	10	I	14	1425.6816	713.3444	475.8987
1297.4974	649.2523	433.1706	11	T	13	**1312.5975**	656.8024	438.2040
1412.5243	**706.7658**	471.5130	12	D	12	**1211.5499**	606.2786	404.5215
1526.5672	**763.7873**	509.5273	13	N	11	**1096.5229**	548.7651	366.1792
1613.5993	**807.3033**	538.5379	14	S	10	**982.4800**	491.7436	328.1648
1700.6313	850.8193	567.5486	15	S	9	**895.4480**	448.2276	299.1542
1799.6997	**900.3535**	600.5714	16	V	8	**808.4159**	404.7116	270.1435
1870.7368	**935.8720**	624.2505	17	A	7	**709.3475**	355.1774	237.1207
1957.7688	**979.3881**	653.2611	18	S	6	**638.3104**	319.6588	213.4417
2044.8009	**1022.9041**	**682.2718**	19	S	5	**551.2784**	276.1428	184.4310
2145.8486	1073.4279	715.9544	20	T	4	**464.2463**	232.6268	155.4203
2246.8962	1123.9518	**749.6369**	21	T	3	363.1987	182.1030	121.7377
2333.9283	1167.4678	**778.6476**	22	S	2	262.1510	131.5791	88.0552
			23	R	1	175.1190	88.0631	59.0445

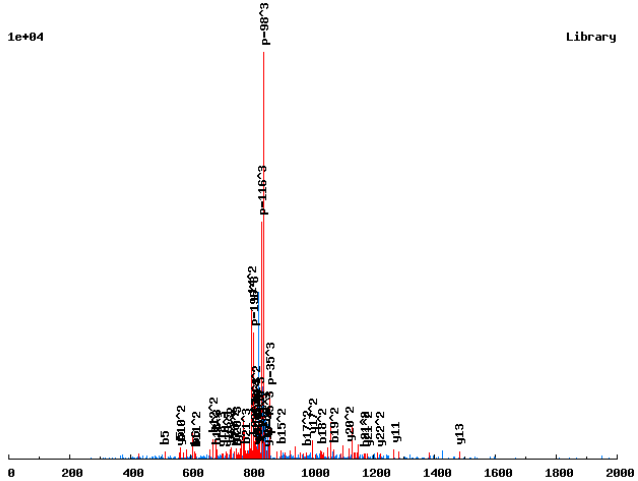


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	23			
244.1404	122.5739	82.0517	2	S	22	2351.9388	1176.4731	**784.6511**
359.1674	180.0873	120.3940	3	D	21	2264.9068	**1132.9570**	**755.6405**
526.1657	263.5865	176.0601	4	S[167]	20	2149.8799	**1075.4436**	717.2981
583.1872	292.0972	195.0672	5	G	19	1982.8815	**991.9444**	661.6320
682.2556	341.6314	228.0901	6	V	18	1925.8600	963.4337	642.6249
819.3145	410.1609	273.7764	7	H	17	1826.7916	**913.8995**	609.6021
986.3129	493.6601	329.4425	8	S[167]	16	1689.7327	845.3700	563.9158
1083.3656	542.1865	361.7934	9	P	15	1522.7343	**761.8708**	508.2496
1196.4497	**598.7285**	399.4881	10	I	14	1425.6816	713.3444	475.8987
1297.4974	**649.2523**	433.1706	11	T	13	**1312.5975**	656.8024	438.2040
1412.5243	**706.7658**	471.5130	12	D	12	**1211.5499**	606.2786	404.5215
1526.5672	**763.7873**	509.5273	13	N	11	**1096.5229**	548.7651	366.1792
1613.5993	**807.3033**	538.5379	14	S	10	**982.4800**	491.7436	328.1648
1700.6313	850.8193	567.5486	15	S	9	**895.4480**	448.2276	299.1542
1799.6997	**900.3535**	600.5714	16	V	8	**808.4159**	404.7116	270.1435
1870.7368	**935.8720**	624.2505	17	A	7	**709.3475**	355.1774	237.1207
1957.7688	**979.3881**	653.2611	18	S	6	**638.3104**	319.6588	213.4417
2044.8009	**1022.9041**	**682.2718**	19	S	5	**551.2784**	276.1428	184.4310
2145.8486	1073.4279	**715.9544**	20	T	4	464.2463	232.6268	155.4203
2246.8962	**1123.9518**	**749.6369**	21	T	3	363.1987	182.1030	121.7377
2333.9283	1167.4678	**778.6476**	22	S	2	262.1510	131.5791	88.0552
			23	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$SDSGVHS$_{167}$PITDNS$_{167}$S$_{167}$VASSTTSR$_{166}$.A/3

0.9416

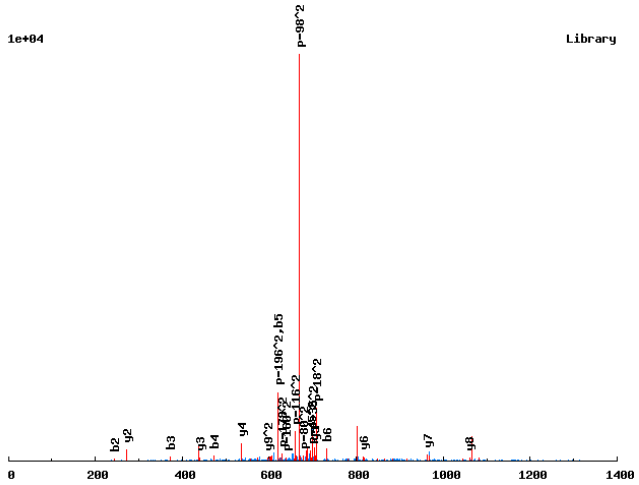


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	23			
254.1487	127.5780	85.3877	2	S	22	2441.9134	**1221.4604**	**814.6427**
369.1756	185.0915	123.7301	3	D	21	2354.8814	**1177.9443**	785.6320
456.2077	228.6075	152.7407	4	S	20	2239.8545	**1120.4309**	**747.2897**
513.2291	257.1182	171.7479	5	G	19	2152.8224	1076.9149	**718.2790**
612.2975	306.6524	204.7707	6	V	18	2095.8010	1048.4041	**699.2718**
749.3564	375.1819	250.4570	7	H	17	1996.7326	**998.8699**	666.2490
916.3548	458.6810	306.1231	8	S[167]	16	1859.6736	930.3405	620.5627
1013.4076	507.2074	338.4740	9	P	15	1692.6753	**846.8413**	564.8966
1126.4916	**563.7495**	376.1687	10	I	14	1595.6225	**798.3149**	532.5457
1227.5393	**614.2733**	409.8513	11	T	13	**1482.5385**	**741.7729**	494.8510
1342.5662	**671.7868**	448.1936	12	D	12	1381.4908	691.2490	461.1684
1456.6092	**728.8082**	486.2079	13	N	11	**1266.4638**	633.7356	422.8261
1623.6075	**812.3074**	541.8740	14	S[167]	10	1152.4209	576.7141	384.8118
1790.6059	**895.8066**	597.5402	15	S[167]	9	985.4226	493.2149	329.1457
1889.6743	945.3408	630.5630	16	V	8	**818.4242**	409.7157	273.4796
1960.7114	**980.8593**	654.2420	17	A	7	719.3558	360.1815	240.4568
2047.7434	**1024.3754**	**683.2527**	18	S	6	648.3187	324.6630	216.7777
2134.7755	**1067.8914**	712.2633	19	S	5	**561.2866**	281.1470	187.7671
2235.8232	1118.4152	745.9459	20	T	4	474.2546	237.6309	158.7564
2336.8708	**1168.9391**	**779.6285**	21	T	3	373.2069	187.1071	125.0738
2423.9029	1212.4551	**808.6391**	22	S	2	272.1592	136.5833	91.3913
			23	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.RSEVFLS$_{167}$PS$_{167}$PR.L/2

0.9971

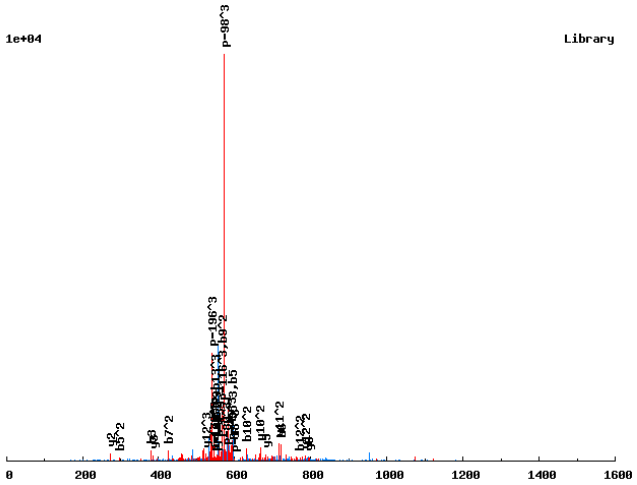


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	11		
244.1404	122.5739	2	S	10	1278.5167	639.7620
373.1830	187.0951	3	E	9	1191.4847	**596.2460**
472.2514	236.6293	4	V	8	**1062.4421**	531.7247
619.3198	310.1636	5	F	7	**963.3737**	482.1905
732.4039	366.7056	6	L	6	**816.3053**	408.6563
899.4023	450.2048	7	S[167]	5	**703.2212**	352.1142
996.4550	498.7311	8	P	4	**536.2228**	268.6151
1163.4534	582.2303	9	S[167]	3	**439.1701**	220.0887
1260.5061	630.7567	10	P	2	**272.1717**	136.5895
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.RSHPDEES$_{167}$LES$_{167}$LPR.F/3

0.5842

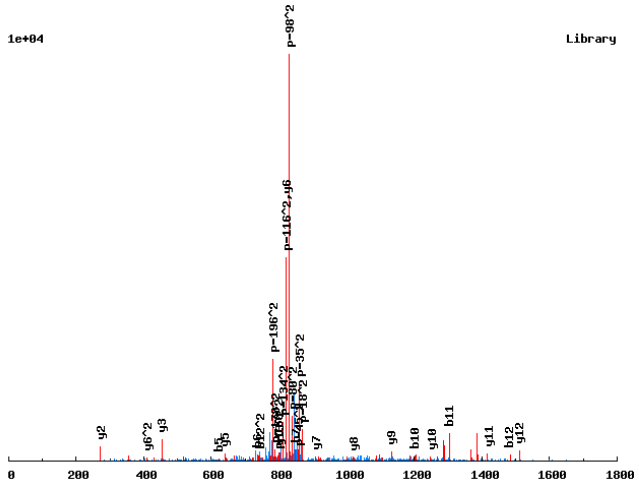


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	14			
244.1404	122.5739	82.0517	2	S	13	1655.6350	828.3211	**552.5498**
381.1993	191.1033	127.7380	3	H	12	1568.6029	**784.8051**	**523.5392**
478.2521	239.6297	160.0889	4	P	11	1431.5440	**716.2757**	477.8529
593.2790	**297.1432**	198.4312	5	D	10	1334.4913	**667.7493**	445.5019
722.3216	361.6645	241.4454	6	E	9	1219.4643	610.2358	407.1596
851.3642	**426.1857**	284.4596	7	E	8	1090.4217	**545.7145**	364.1454
1018.3626	509.6849	340.1257	8	S[167]	7	961.3791	481.1932	321.1312
1131.4466	**566.2270**	377.8204	9	L	6	**794.3808**	397.6940	265.4651
1260.4892	**630.7483**	420.8346	10	E	5	**681.2967**	341.1520	227.7704
1427.4876	714.2474	476.5007	11	S[167]	4	**552.2541**	276.6307	184.7562
1540.5716	**770.7895**	514.1954	12	L	3	**385.2558**	193.1315	129.0901
1637.6244	819.3158	**546.5463**	13	P	2	**272.1717**	136.5895	91.3954
			14	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.RSPS$_{167}$NLNST$_{181}$SVT$_{181}$PR.A/2

0.9999

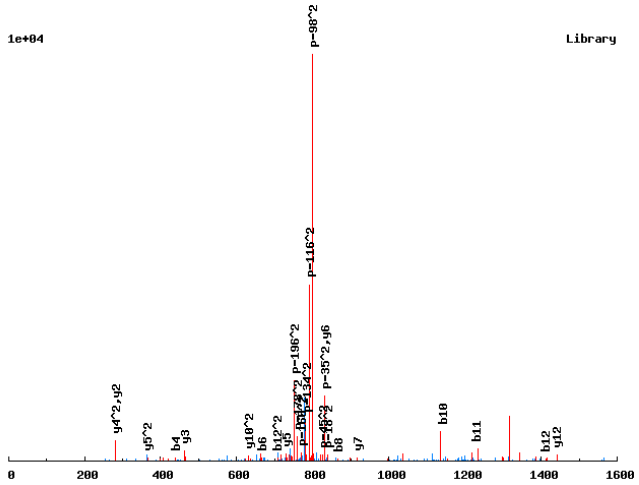


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	14		
244.1404	122.5739	2	S	13	1599.5853	**800.2963**
341.1932	171.1002	3	P	12	**1512.5532**	756.7803
508.1915	254.5994	4	S[167]	11	**1415.5005**	708.2539
622.2345	311.6209	5	N	10	**1248.5021**	624.7547
735.3185	368.1629	6	L	9	**1134.4592**	567.7332
849.3615	425.1844	7	N	8	**1021.3751**	511.1912
936.3935	468.7004	8	S	7	**907.3322**	454.1697
1117.4075	559.2074	9	T[181]	6	**820.3002**	**410.6537**
1204.4395	602.7234	10	S	5	**639.2862**	320.1467
1303.5079	652.2576	11	V	4	552.2541	276.6307
1484.5220	**742.7646**	12	T[181]	3	**453.1857**	227.0965
1581.5747	791.2910	13	P	2	**272.1717**	136.5895
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$SPSNLNSTS$_{167}$VT$_{181}$PR$_{166}$.A/2

0.9999

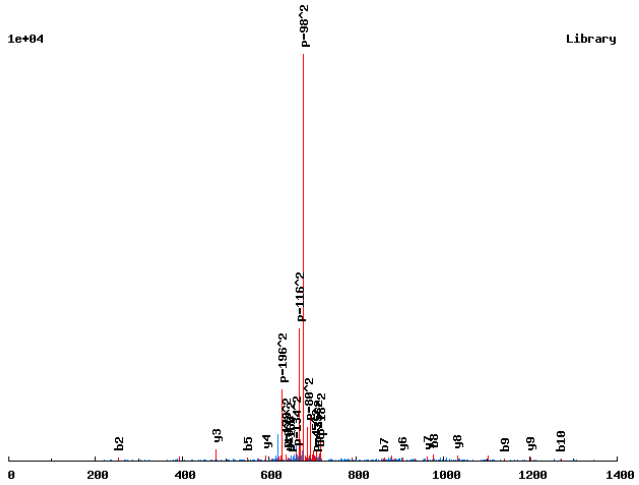


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	14		
254.1487	127.5780	2	S	13	1529.6272	765.3172
351.2014	176.1044	3	P	12	**1442.5952**	721.8012
438.2335	219.6204	4	S	11	1345.5424	673.2749
552.2764	276.6418	5	N	10	1258.5104	**629.7588**
665.3605	333.1839	6	L	9	1144.4675	572.7374
779.4034	390.2053	7	N	8	1031.3834	516.1953
866.4354	433.7214	8	S	7	**917.3405**	459.1739
967.4831	484.2452	9	T	6	**830.3084**	415.6579
1134.4815	567.7444	10	S[167]	5	**729.2608**	**365.1340**
1233.5499	617.2786	11	V	4	562.2624	**281.6348**
1414.5639	**707.7856**	12	T[181]	3	**463.1940**	232.1006
1511.6167	756.3120	13	P	2	**282.1800**	141.5936
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$SS$_{167}$AGS$_{167}$FDYER$_{166}$.K/2

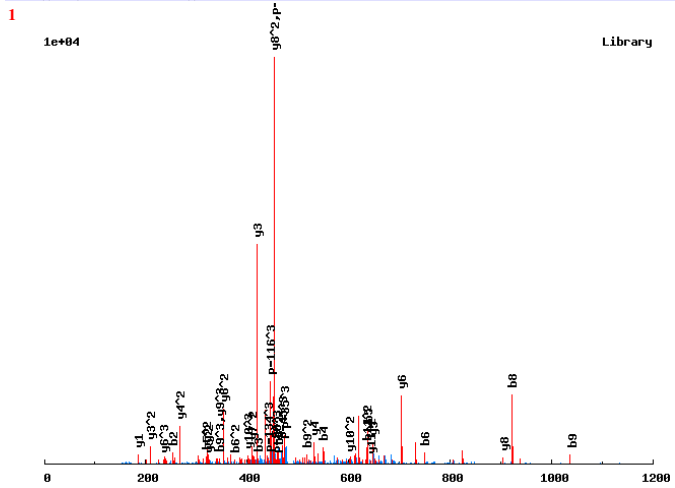
0.9961



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	11		
254.1487	127.5780	2	S	10	1288.4158	**644.7115**
421.1470	211.0772	3	S[167]	9	**1201.3838**	601.1955
492.1842	246.5957	4	A	8	**1034.3854**	517.6964
549.2056	275.1065	5	G	7	**963.3483**	482.1778
716.2040	358.6056	6	S[167]	6	**906.3269**	453.6671
863.2724	432.1398	7	F	5	739.3285	370.1679
978.2993	489.6533	8	D	4	**592.2601**	296.6337
1141.3627	571.1850	9	Y	3	**477.2331**	239.1202
1270.4053	635.7063	10	E	2	314.1698	157.5885
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$SS$_{167}$ESIGDLPHR$_{166}$.V/3

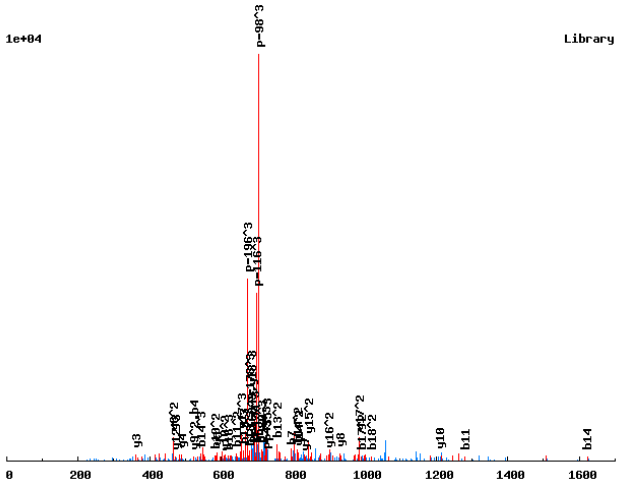


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
167.1167	84.0620	56.3771	1	R[166]	12			
254.1487	127.5780	85.3877	2	S	11	1287.5604	**644.2839**	429.8583
421.1470	211.0772	141.0539	3	S[167]	10	1200.5284	**600.7678**	**400.8476**
550.1896	275.5985	184.0681	4	E	9	1033.5300	517.2687	**345.1815**
637.2217	**319.1145**	213.0787	5	S	8	**904.4874**	**452.7474**	302.1673
750.3057	**375.6565**	250.7734	6	I	7	817.4554	**409.2313**	273.1567
807.3272	404.1672	269.7806	7	G	6	**704.3713**	**352.6893**	**235.4620**
922.3541	**461.6807**	308.1229	8	D	5	**647.3499**	**324.1786**	216.4548
1035.4382	**518.2227**	**345.8176**	9	L	4	**532.3229**	**266.6651**	178.1125
1132.4910	566.7491	378.1685	10	P	3	**419.2389**	**210.1231**	140.4178
1269.5499	**635.2786**	423.8548	11	H	2	**322.1861**	161.5967	108.0669
			12	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.RSS$_{167}$IGSQDSS$_{167}$DVEDVKEGR.L/3

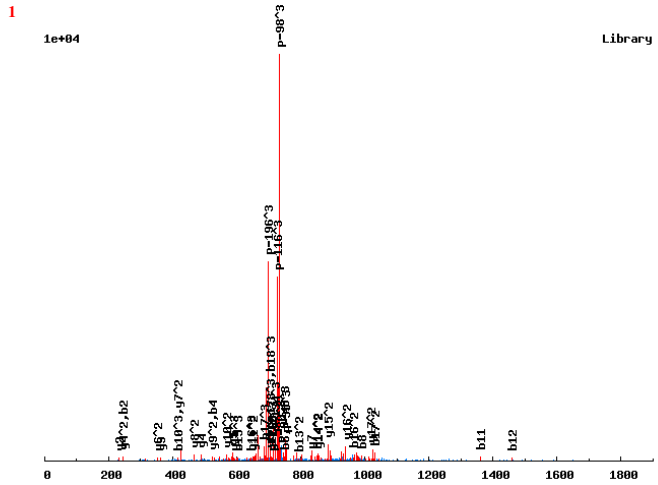
0.9563



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	19			
244.1404	122.5739	82.0517	2	S	18	2054.7951	1027.9012	**685.6032**
411.1388	206.0730	137.7178	3	S[167]	17	1967.7631	**984.3852**	**656.5925**
524.2228	262.6151	175.4125	4	I	16	1800.7647	**900.8860**	600.9264
581.2443	291.1258	194.4196	5	G	15	1687.6807	**844.3440**	563.2317
668.2763	334.6418	223.4303	6	S	14	1630.6592	**815.8332**	544.2246
796.3349	398.6711	266.1165	7	Q	13	1543.6272	772.3172	515.2139
911.3619	456.1846	304.4588	8	D	12	1415.5686	708.2879	**472.5277**
998.3939	499.7006	333.4695	9	S	11	1300.5416	650.7745	434.1854
1165.3922	**583.1998**	389.1356	10	S[167]	10	**1213.5096**	**607.2584**	405.1747
1280.4192	**640.7132**	427.4779	11	D	9	1046.5113	**523.7593**	349.5086
1379.4876	690.2474	460.5007	12	V	8	**931.4843**	**466.2458**	311.1663
1508.5302	**754.7687**	503.5149	13	E	7	**832.4159**	416.7116	278.1435
1623.5571	**812.2822**	**541.8572**	14	D	6	**703.3733**	352.1903	235.1293
1722.6255	861.8164	574.8800	15	V	5	**588.3464**	294.6768	196.7870
1850.7205	925.8639	**617.5784**	16	K	4	**489.2780**	245.1426	163.7642
1979.7631	**990.3852**	**660.5925**	17	E	3	**361.1830**	181.0951	121.0659
2036.7845	**1018.8959**	**679.5997**	18	G	2	232.1404	116.5738	78.0517
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

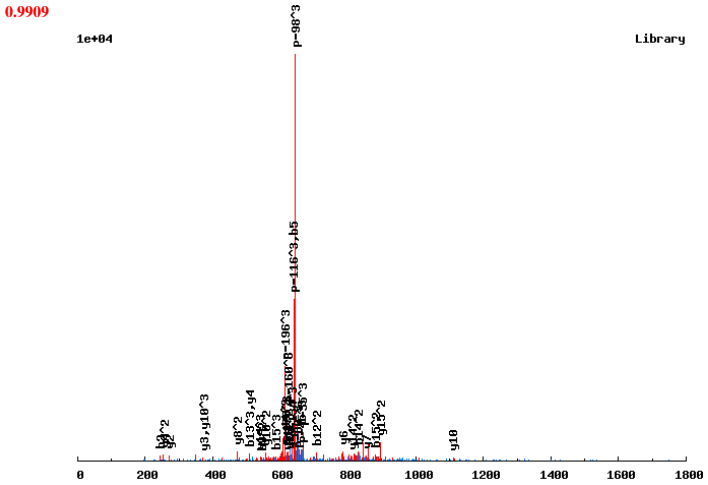
R.RSS$_{167}$IGS$_{167}$QDS$_{167}$SDVEDVKEGR.L/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	19			
244.1404	122.5739	82.0517	2	S	18	2134.7614	1067.8844	712.2587
411.1388	206.0730	137.7178	3	S[167]	17	2047.7294	**1024.3683**	683.2480
524.2228	262.6151	175.4125	4	I	16	1880.7310	**940.8692**	627.5819
581.2443	291.1258	194.4196	5	G	15	1767.6470	**884.3271**	**589.8872**
748.2427	374.6250	250.0857	6	S[167]	14	1710.6255	**855.8164**	570.8800
876.3012	438.6543	292.7719	7	Q	13	1543.6272	772.3172	515.2139
991.3282	496.1677	331.1142	8	D	12	1415.5686	**708.2879**	472.5277
1158.3265	579.6669	386.7804	9	S[167]	11	1300.5416	**650.7745**	434.1854
1245.3586	623.1829	**415.7910**	10	S	10	1133.5433	**567.2753**	378.5193
1360.3855	680.6964	454.1334	11	D	9	1046.5113	**523.7593**	349.5086
1459.4539	730.2306	487.1562	12	V	8	931.4843	**466.2458**	311.1663
1588.4965	**794.7519**	530.1704	13	E	7	**832.4159**	**416.7116**	278.1435
1703.5235	**852.2654**	568.5127	14	D	6	**703.3733**	**352.1903**	235.1293
1802.5919	901.7996	**601.5355**	15	V	5	**588.3464**	294.6768	196.7870
1930.6868	**965.8471**	**644.2338**	16	K	4	**489.2780**	**245.1426**	163.7642
2059.7294	**1030.3683**	**687.2480**	17	E	3	**361.1830**	181.0951	121.0659
2116.7509	1058.8791	**706.2551**	18	G	2	**232.1404**	116.5738	78.0517
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.RSS$_{167}$LNS$_{167}$LGNSAYLHVPR.N/3

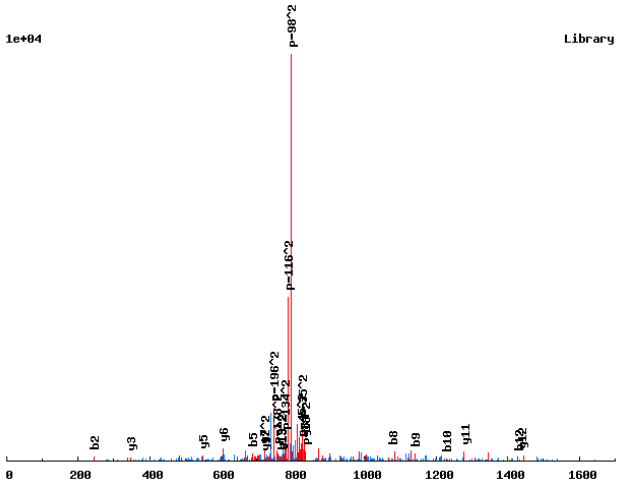


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	17			
244.1404	122.5739	82.0517	2	S	16	1874.8198	937.9135	**625.6114**
411.1388	206.0730	137.7178	3	S[167]	15	1787.7877	**894.3975**	596.6008
524.2228	262.6151	175.4125	4	L	14	1620.7894	**810.8983**	**540.9346**
638.2658	319.6365	213.4268	5	N	13	1507.7053	754.3563	503.2400
805.2641	403.1357	269.0929	6	S[167]	12	1393.6624	697.3348	465.2256
918.3482	459.6777	306.7876	7	L	11	1226.6640	**613.8356**	409.5595
975.3697	488.1885	325.7947	8	G	10	**1113.5800**	**557.2936**	**371.8648**
1089.4126	**545.2099**	363.8090	9	N	9	1056.5585	528.7829	352.8577
1176.4446	588.7259	392.8197	10	S	8	942.5156	**471.7614**	314.8434
1247.4817	**624.2445**	416.4988	11	A	7	**855.4835**	428.2454	285.8327
1410.5451	**705.7762**	470.8532	12	Y	6	**784.4464**	392.7269	262.1537
1523.6291	762.3182	**508.5479**	13	L	5	**621.3831**	311.1952	207.7992
1660.6880	**830.8477**	554.2342	14	H	4	**508.2990**	**254.6532**	170.1045
1759.7564	**880.3819**	**587.2570**	15	V	3	**371.2401**	186.1237	124.4182
1856.8092	928.9082	619.6079	16	P	2	**272.1717**	136.5895	91.3954
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.RSS$_{167}$NYS$_{167}$LDGSNSLK.A/2

0.9947

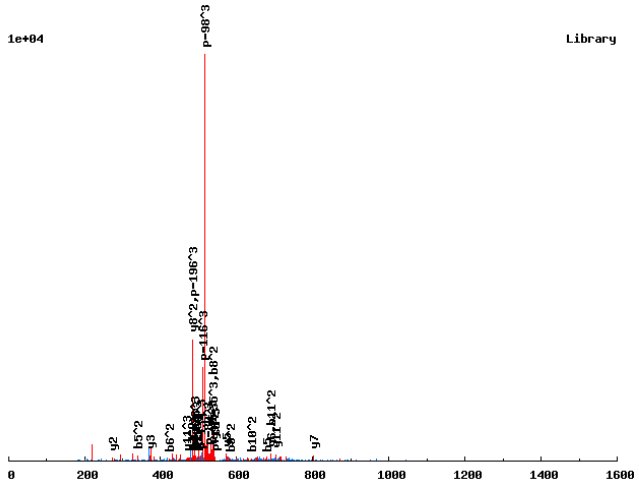


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	14		
244.1404	122.5739	2	S	13	1531.5713	**766.2893**
411.1388	206.0730	3	S[167]	12	**1444.5393**	**722.7733**
525.1817	263.0945	4	N	11	**1277.5409**	639.2741
688.2450	344.6262	5	Y	10	1163.4980	582.2526
855.2434	428.1253	6	S[167]	9	1000.4347	500.7210
968.3275	484.6674	7	L	8	**833.4363**	417.2218
1083.3544	542.1808	8	D	7	**720.3523**	360.6798
1140.3759	570.6916	9	G	6	**605.3253**	303.1663
1227.4079	614.2076	10	S	5	**548.3039**	274.6556
1341.4508	671.2291	11	N	4	461.2718	231.1395
1428.4829	714.7451	12	S	3	**347.2289**	174.1181
1541.5669	**771.2871**	13	L	2	260.1969	130.6021
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.RSS$_{167}$RLS$_{167}$LDSITPR.R/3

0.7965

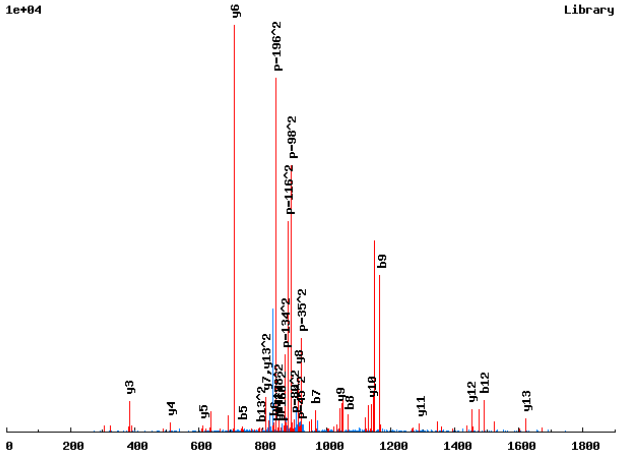


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	13			
244.1404	122.5739	82.0517	2	S	12	1491.6604	746.3338	**497.8917**
411.1388	206.0730	137.7178	3	S[167]	11	1404.6284	**702.8178**	**468.8810**
567.2399	284.1236	189.7515	4	R	10	1237.6300	619.3186	413.2149
680.3240	**340.6656**	227.4462	5	L	9	1081.5289	**541.2681**	361.1812
847.3223	**424.1648**	283.1123	6	S[167]	8	968.4448	**484.7261**	323.4865
960.4064	**480.7068**	320.8070	7	L	7	**801.4465**	401.2269	267.8203
1075.4333	**538.2203**	359.1493	8	D	6	**688.3624**	344.6849	230.1257
1162.4653	**581.7363**	388.1600	9	S	5	**573.3355**	287.1714	191.7833
1275.5494	**638.2783**	425.8547	10	I	4	**486.3034**	243.6554	162.7727
1376.5971	**688.8022**	459.5372	11	T	3	**373.2194**	187.1133	125.0780
1473.6498	737.3286	**491.8881**	12	P	2	**272.1717**	136.5895	91.3954
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$SS$_{167}$S$_{167}$FTETVPTEPTR$_{166}$.Y/2

0.9999

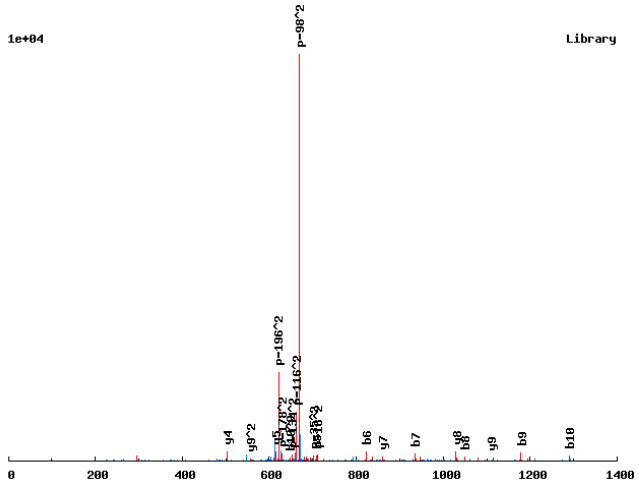


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	15		
254.1487	127.5780	2	S	14	1708.6742	854.8407
421.1470	211.0772	3	S[167]	13	**1621.6422**	**811.3247**
588.1454	294.5763	4	S[167]	12	**1454.6438**	727.8256
735.2138	368.1106	5	F	11	**1287.6455**	644.3264
836.2615	418.6344	6	T	10	**1140.5770**	570.7922
965.3041	483.1557	7	E	9	**1039.5294**	520.2683
1066.3518	533.6795	8	T	8	**910.4868**	455.7470
1165.4202	583.2137	9	V	7	**809.4391**	405.2232
1262.4729	631.7401	10	P	6	**710.3707**	355.6890
1363.5206	682.2640	11	T	5	**613.3179**	307.1626
1492.5632	746.7852	12	E	4	**512.2702**	256.6388
1589.6160	**795.3116**	13	P	3	**383.2277**	192.1175
1690.6637	**845.8355**	14	T	2	286.1749	143.5911
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RS$_{167}$SS$_{167}$MLLNELK.G/2

0.9921

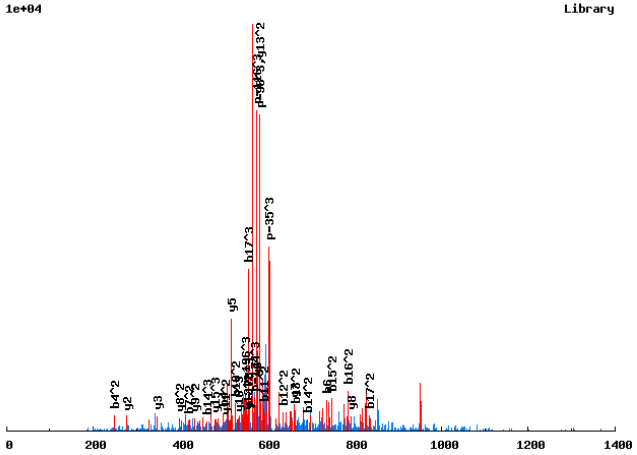


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	11		
324.1068	162.5570	2	S[167]	10	1281.5197	641.2635
411.1388	206.0730	3	S	9	**1114.5214**	**557.7643**
578.1371	289.5722	4	S[167]	8	**1027.4894**	514.2483
709.1776	355.0925	5	M	7	**860.4910**	430.7491
822.2617	411.6345	6	L	6	729.4505	365.2289
935.3458	468.1765	7	L	5	**616.3664**	308.6869
1049.3887	525.1980	8	N	4	**503.2824**	252.1448
1178.4313	589.7193	9	E	3	389.2394	195.1234
1291.5153	**646.2613**	10	L	2	260.1969	130.6021
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.RSS$_{167}$ST$_{181}$GTGSAMSGGLATR.H/3

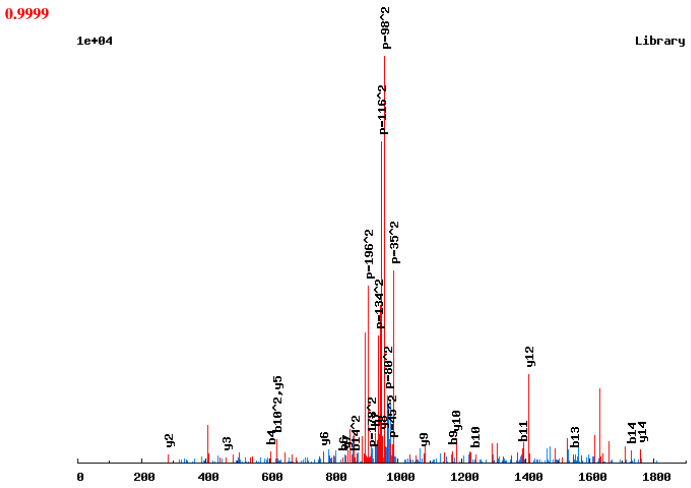
0.8849



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	18			
244.1404	122.5739	82.0517	2	S	17	1687.6394	844.3233	563.2180
411.1388	206.0730	137.7178	3	S[167]	16	1600.6074	800.8073	**534.2073**
498.1708	**249.5890**	166.7285	4	S	15	1433.6090	717.3082	**478.5412**
679.1848	340.0961	227.0665	5	T[181]	14	1346.5770	673.7921	449.5305
736.2063	368.6068	246.0736	6	G	13	1165.5630	**583.2851**	389.1925
837.2540	**419.1306**	279.7562	7	T	12	1108.5415	**554.7744**	370.1854
894.2754	447.6414	298.7633	8	G	11	1007.4938	**504.2506**	336.5028
981.3075	491.1574	327.7740	9	S	10	950.4724	475.7398	317.4956
1052.3446	**526.6759**	351.4530	10	A	9	863.4404	**432.2238**	288.4850
1183.3851	**592.1962**	395.1332	11	M	8	**792.4032**	**396.7053**	264.8059
1270.4171	**635.7122**	424.1439	12	S	7	**661.3628**	331.1850	221.1258
1327.4385	**664.2229**	443.1510	13	G	6	**574.3307**	287.6690	192.1151
1384.4600	**692.7336**	**462.1582**	14	G	5	**517.3093**	259.1583	173.1079
1497.5441	**749.2757**	499.8529	15	L	4	460.2878	230.6475	154.1008
1568.5812	**784.7942**	523.5319	16	A	3	**347.2037**	174.1055	116.4061
1669.6289	**835.3181**	**557.2145**	17	T	2	**276.1666**	138.5870	92.7271
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

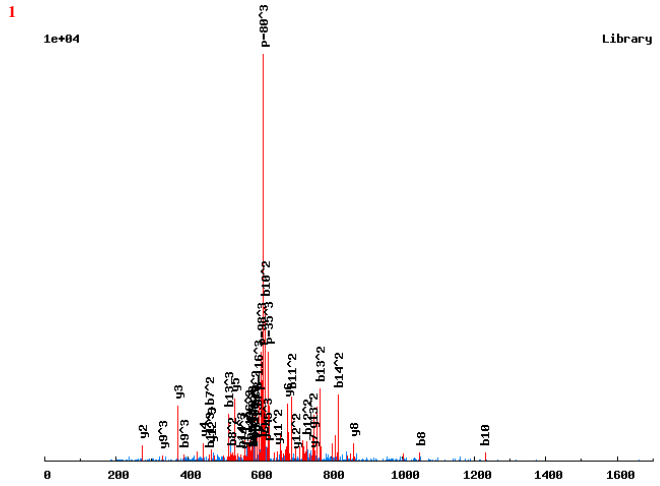
R.R$_{166}$SS$_{167}$T$_{181}$PETENAFSAT$_{181}$PR$_{166}$.A/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	16		
254.1487	127.5780	2	S	15	1844.6416	922.8244
421.1470	211.0772	3	S[167]	14	**1757.6096**	879.3084
602.1611	301.5842	4	T[181]	13	1590.6112	795.8092
699.2138	350.1106	5	P	12	**1409.5972**	705.3022
828.2564	414.6318	6	E	11	1312.5444	656.7759
929.3041	465.1557	7	T	10	**1183.5018**	592.2546
1058.3467	529.6770	8	E	9	**1082.4542**	541.7307
1172.3896	586.6984	9	N	8	**953.4116**	477.2094
1243.4267	**622.2170**	10	A	7	**839.3687**	420.1880
1390.4951	695.7512	11	F	6	**768.3315**	384.6694
1477.5272	739.2672	12	S	5	**621.2631**	311.1352
1548.5643	774.7858	13	A	4	534.2311	267.6192
1729.5783	**865.2928**	14	T[181]	3	**463.1940**	232.1006
1826.6310	913.8192	15	P	2	**282.1800**	141.5936
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RSS$_{167}$TPET$_{181}$ENAFSATPR.A/3

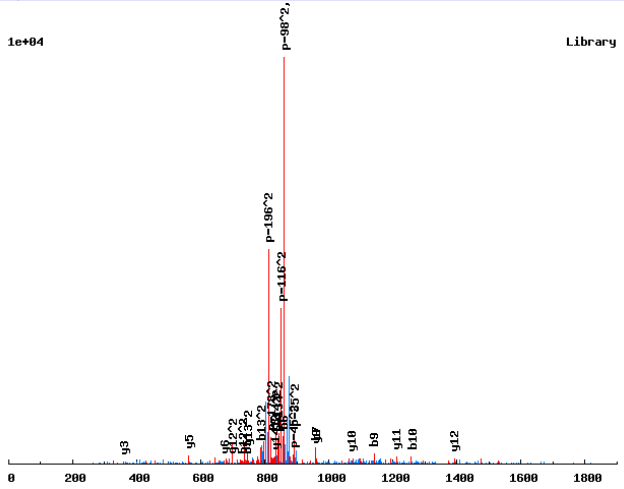


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	16			
244.1404	122.5739	82.0517	2	S	15	1754.6670	877.8371	585.5605
411.1388	206.0730	137.7178	3	S[167]	14	1667.6350	834.3211	**556.5498**
512.1865	256.5969	171.4003	4	T	13	1500.6366	**750.8219**	500.8837
609.2392	305.1233	203.7513	5	P	12	1399.5889	**700.2981**	**467.2012**
738.2818	369.6445	246.7655	6	E	11	1302.5362	**651.7717**	434.8502
919.2958	**460.1516**	307.1035	7	T[181]	10	1173.4936	**587.2504**	391.8360
1048.3384	**524.6728**	350.1177	8	E	9	992.4796	496.7434	**331.4980**
1162.3813	**581.6943**	**388.1320**	9	N	8	**863.4370**	432.2221	288.4838
1233.4185	**617.2129**	411.8110	10	A	7	**749.3941**	375.2007	250.4695
1380.4869	**690.7471**	**460.8338**	11	F	6	**678.3569**	339.6821	226.7905
1467.5189	**734.2631**	489.8445	12	S	5	**531.2885**	266.1479	177.7677
1538.5560	**769.7816**	**513.5235**	13	A	4	**444.2565**	222.6319	148.7570
1639.6037	**820.3055**	**547.2061**	14	T	3	**373.2194**	187.1133	125.0780
1736.6564	868.8319	**579.5570**	15	P	2	**272.1717**	136.5895	91.3954
			16	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.RS$_{167}$TT$_{181}$HDVGEISNNVK.I/2

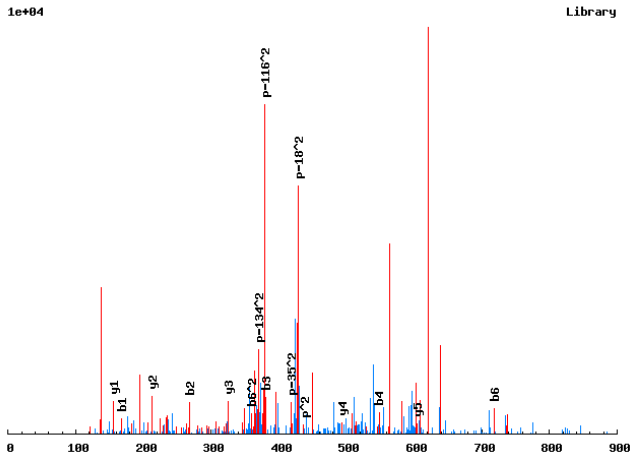
0.9996



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	15		
324.1068	162.5570	2	S[167]	14	1660.6615	**830.8344**
425.1544	213.0809	3	T	13	1493.6632	**747.3352**
606.1684	303.5879	4	T[181]	12	**1392.6155**	**696.8114**
743.2274	372.1173	5	H	11	**1211.6015**	606.3044
858.2543	429.6308	6	D	10	**1074.5426**	537.7749
957.3227	479.1650	7	V	9	**959.5156**	480.2615
1014.3442	507.6757	8	G	8	**860.4472**	430.7272
1143.3868	572.1970	9	E	7	803.4258	402.2165
1256.4708	628.7390	10	I	6	**674.3832**	337.6952
1343.5028	672.2551	11	S	5	**561.2991**	281.1532
1457.5458	**729.2765**	12	N	4	474.2671	237.6372
1571.5887	**786.2980**	13	N	3	**360.2241**	180.6157
1670.6571	**835.8322**	14	V	2	246.1812	123.5942
		15	K	1	147.1128	74.0600

R.R$_{166}$TLS$_{167}$LGK$_{136}$.S/2

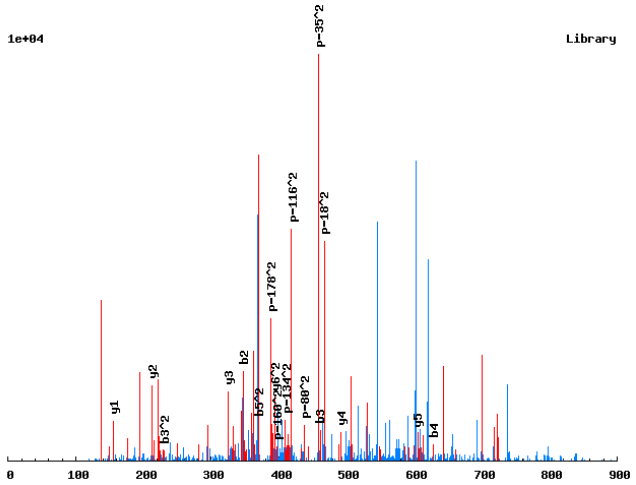
0.6248



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	7		
268.1643	134.5858	2	T	6	706.3626	353.6850
381.2484	191.1278	3	L	5	605.3149	303.1611
548.2468	274.6270	4	S[167]	4	492.2309	246.6191
661.3308	331.1691	5	L	3	325.2325	163.1199
718.3523	359.6798	6	G	2	212.1485	106.5779
		7	K[136]	1	155.1270	78.0671

R.R$_{166}$T$_{181}$LS$_{167}$LGK$_{136}$S/2

0.6304

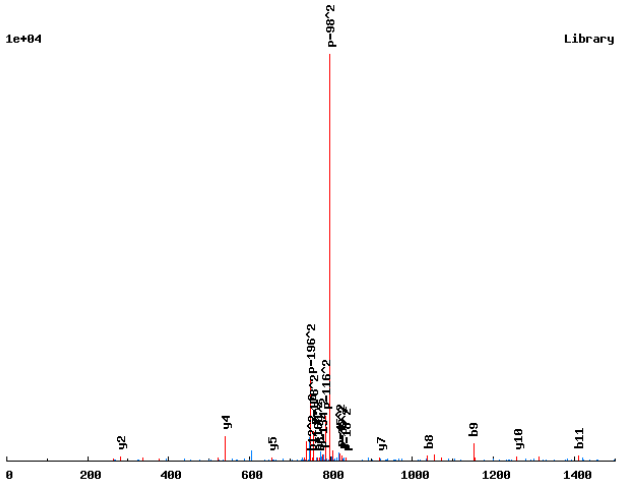


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	7		
348.1307	174.5690	2	T[181]	6	786.3290	**393.6681**
461.2147	**231.1110**	3	L	5	**605.3149**	303.1611
628.2131	314.6102	4	S[167]	4	**492.2309**	246.6191
741.2972	**371.1522**	5	L	3	**325.2325**	163.1199
798.3186	399.6629	6	G	2	**212.1485**	106.5779
		7	K[136]	1	**155.1270**	78.0671

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$TS$_{167}$GR$_{166}$LS$_{167}$VDQEPR$_{166}$.I/2

0.9752

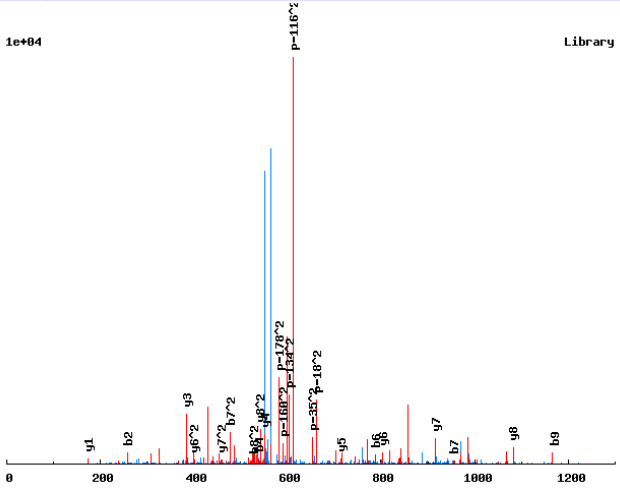


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	13		
268.1643	134.5858	2	T	12	1524.6358	762.8215
435.1627	218.0850	3	S[167]	11	1423.5881	712.2977
492.1842	246.5957	4	G	10	**1256.5898**	628.7985
658.2935	329.6504	5	R[166]	9	1199.5683	600.2878
771.3776	386.1924	6	L	8	1033.4589	517.2331
938.3760	469.6916	7	S[167]	7	**920.3749**	460.6911
1037.4444	519.2258	8	V	6	**753.3765**	377.1919
1152.4713	576.7393	9	D	5	**654.3081**	327.6577
1280.5299	640.7686	10	Q	4	**539.2811**	270.1442
1409.5725	705.2899	11	E	3	411.2226	206.1149
1506.6252	**753.8163**	12	P	2	**282.1800**	141.5936
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RTS$_{167}$NSYS$_{167}$PLR.Y/2

0.9658

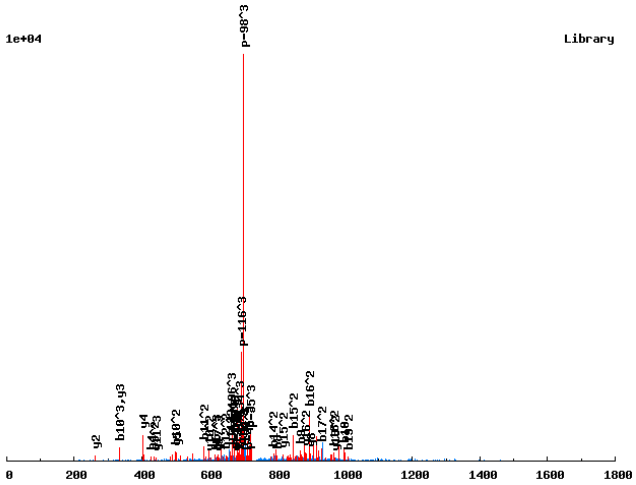


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	10		
258.1561	129.5817	2	T	9	1184.4385	592.7229
425.1544	213.0809	3	S[167]	8	**1083.3908**	**542.1990**
539.1974	270.1023	4	N	7	**916.3924**	**458.6999**
626.2294	313.6183	5	S	6	**802.3495**	**401.6784**
789.2927	395.1500	6	Y	5	**715.3175**	358.1624
956.2911	**478.6492**	7	S[167]	4	**552.2541**	276.6307
1053.3438	**527.1756**	8	P	3	**385.2558**	193.1315
1166.4279	583.7176	9	L	2	288.2030	144.6051
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.RVGDEGNAAES$_{167}$ES$_{167}$DNVAASR.Q/3

0.993

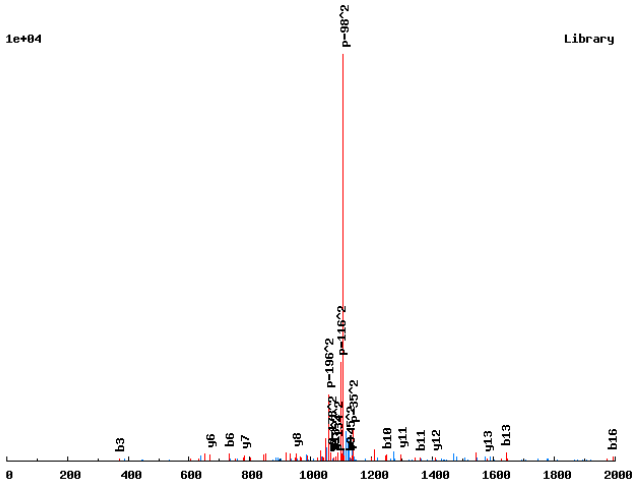


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
157.1084	79.0578	53.0410	1	R	20			
256.1768	128.5920	86.0638	2	V	19	2037.7434	1019.3753	**679.9193**
313.1983	157.1028	105.0709	3	G	18	1938.6750	**969.8411**	646.8965
428.2252	214.6162	143.4133	4	D	17	1881.6535	941.3304	**627.8894**
557.2678	279.1375	186.4275	5	E	16	1766.6266	**883.8169**	589.5470
614.2893	307.6483	205.4346	6	G	15	1637.5840	**819.2956**	546.5329
728.3322	364.6697	243.4489	7	N	14	1580.5625	790.7849	527.5257
799.3693	400.1883	267.1280	8	A	13	1466.5196	733.7634	489.5114
870.4064	**435.7068**	290.8070	9	A	12	1395.4825	**698.2449**	465.8324
999.4490	**500.2281**	**333.8212**	10	E	11	1324.4454	**662.7263**	**442.1533**
1166.4474	**583.7273**	389.4873	11	S[167]	10	1195.4028	**598.2050**	399.1391
1295.4899	**648.2486**	432.5015	12	E	9	1028.4044	514.7059	343.4730
1462.4883	731.7478	488.1676	13	S[167]	8	**899.3618**	450.1846	300.4588
1577.5152	**789.2613**	526.5099	14	D	7	732.3635	366.6854	244.7927
1691.5582	**846.2827**	564.5242	15	N	6	**617.3365**	309.1719	206.4504
1790.6266	**895.8169**	597.5470	16	V	5	**503.2936**	252.1504	168.4361
1861.6637	**931.3355**	**621.2261**	17	A	4	**404.2252**	202.6162	135.4133
1932.7008	**966.8540**	644.9051	18	A	3	**333.1881**	167.0977	111.7342
2019.7328	**1010.3701**	**673.9158**	19	S	2	**262.1510**	131.5791	88.0552
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.RVNYAES$_{167}$DDDDS$_{167}$DTTFTAK.R/2

0.7748

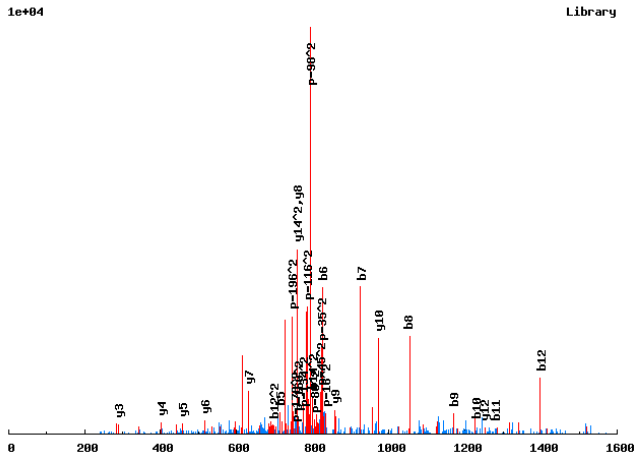


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	19		
256.1768	128.5920	2	V	18	2153.7472	1077.3772
370.2197	185.6135	3	N	17	2054.6787	1027.8430
533.2831	267.1452	4	Y	16	1940.6358	970.8215
604.3202	302.6637	5	A	15	1777.5725	889.2899
733.3628	367.1850	6	E	14	1706.5354	853.7713
900.3611	450.6842	7	S[167]	13	**1577.4928**	789.2500
1015.3881	508.1977	8	D	12	**1410.4944**	705.7509
1130.4150	565.7111	9	D	11	**1295.4675**	648.2374
1245.4419	623.2246	10	D	10	1180.4405	590.7239
1360.4689	680.7381	11	D	9	**1065.4136**	533.2104
1527.4672	764.2373	12	S[167]	8	**950.3867**	475.6970
1642.4942	821.7507	13	D	7	**783.3883**	392.1978
1743.5419	872.2746	14	T	6	**668.3614**	334.6843
1844.5895	922.7984	15	T	5	567.3137	284.1605
1991.6580	996.3326	16	F	4	466.2660	233.6366
2092.7056	1046.8565	17	T	3	319.1976	160.1024
2163.7427	**1082.3750**	18	A	2	218.1499	109.5786
		19	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$VS$_{167}$S$_{167}$LLVEDGGNPTA.-/2

0.9956

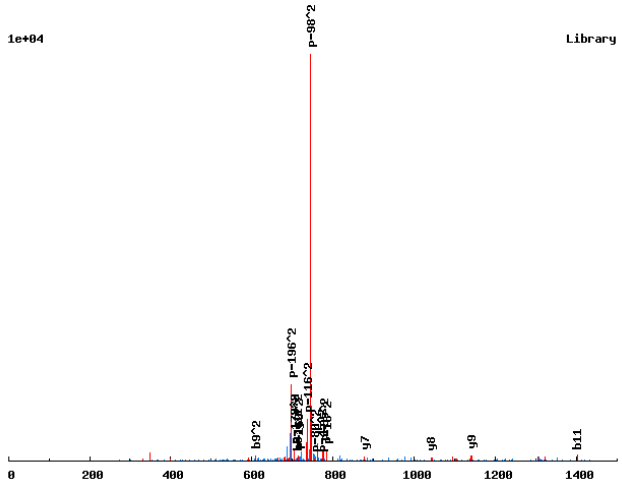


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	15		
266.1851	133.5962	2	V	14	1518.6124	**759.8099**
433.1834	217.0954	3	S[167]	13	1419.5440	710.2757
600.1818	300.5945	4	S[167]	12	**1252.5457**	626.7765
713.2659	357.1366	5	L	11	1085.5473	543.2773
826.3499	413.6786	6	L	10	**972.4632**	486.7353
925.4183	463.2128	7	V	9	**859.3792**	430.1932
1054.4609	527.7341	8	E	8	**760.3108**	380.6590
1169.4879	585.2476	9	D	7	**631.2682**	316.1377
1226.5093	613.7583	10	G	6	**516.2412**	258.6243
1283.5308	642.2690	11	G	5	**459.2198**	230.1135
1397.5737	**699.2905**	12	N	4	**402.1983**	201.6028
1494.6265	747.8169	13	P	3	**288.1554**	144.5813
1595.6741	**798.3407**	14	T	2	191.1026	96.0550
		15	A	1	90.0549	45.5311

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$VT$_{181}$PR$_{166}$PS$_{167}$LEADR$_{166}$.A/2

0.7975

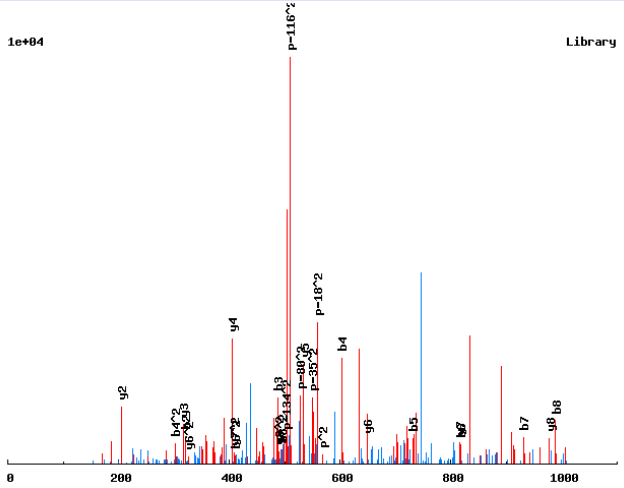


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	12		
266.1851	133.5962	2	V	11	1420.6136	**710.8104**
447.1991	224.1032	3	T[181]	10	1321.5452	661.2762
544.2518	272.6296	4	P	9	**1140.5312**	570.7692
710.3612	355.6842	5	R[166]	8	**1043.4784**	522.2428
807.4140	404.2106	6	P	7	**877.3690**	439.1882
974.4123	487.7098	7	S[167]	6	780.3163	390.6618
1087.4964	544.2518	8	L	5	613.3179	307.1626
1216.5390	**608.7731**	9	E	4	500.2339	250.6206
1287.5761	644.2917	10	A	3	371.1913	186.0993
1402.6030	701.8052	11	D	2	300.1542	150.5807
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.RYS$_{167}$DESLGK.F/2

0.9994

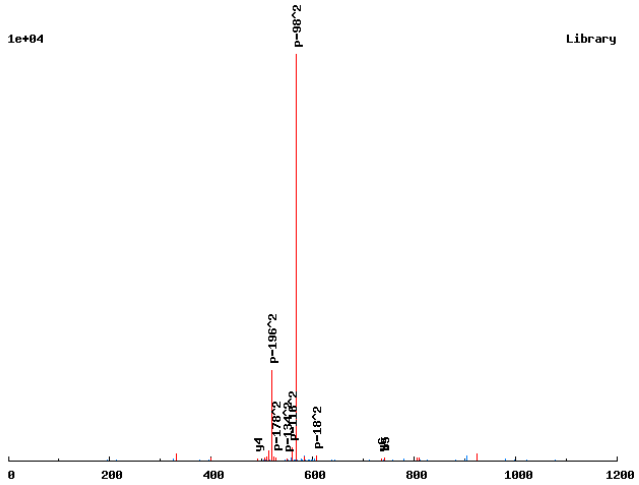


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	9		
320.1717	160.5895	2	Y	8	978.3816	489.6944
487.1701	244.0887	3	S[167]	7	815.3182	408.1628
602.1970	301.6022	4	D	6	648.3199	324.6636
731.2396	366.1234	5	E	5	533.2929	267.1501
818.2716	409.6395	6	S	4	404.2503	202.6288
931.3557	466.1815	7	L	3	317.2183	159.1128
988.3772	494.6922	8	G	2	204.1343	102.5708
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.R$_{166}$Y$_{243}$SDES$_{167}$LGK$_{136}$F/2

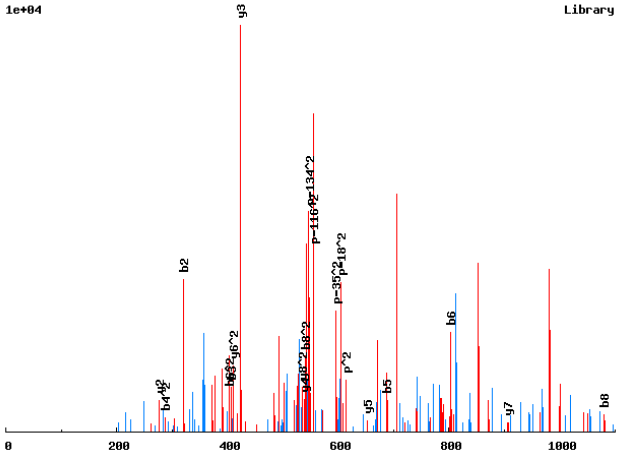
0.9896



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
167.1167	84.0620	1	R[166]	9		
410.1463	205.5768	2	Y[243]	8	1066.3621	533.6847
497.1784	249.0928	3	S	7	823.3324	412.1699
612.2053	306.6063	4	D	6	**736.3004**	368.6538
741.2479	371.1276	5	E	5	621.2735	311.1404
908.2462	454.6268	6	S[167]	4	**492.2309**	246.6191
1021.3303	511.1688	7	L	3	325.2325	163.1199
1078.3518	539.6795	8	G	2	212.1485	106.5779
		9	K[136]	1	155.1270	78.0671

K.RYSS$_{167}$NDFEK.E/2

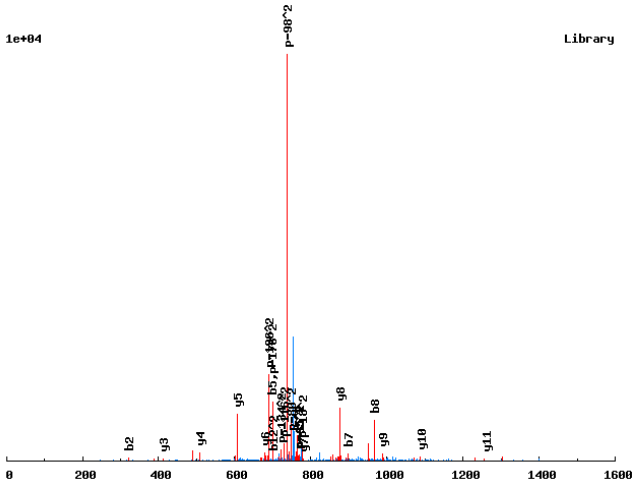
0.947



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	9		
320.1717	160.5895	2	Y	8	1069.3874	**535.1973**
407.2038	204.1055	3	S	7	**906.3241**	453.6657
574.2021	**287.6047**	4	S[167]	6	819.2920	**410.1497**
688.2450	344.6262	5	N	5	**652.2937**	326.6505
803.2720	**402.1396**	6	D	4	**538.2507**	269.6290
950.3404	475.6738	7	F	3	**423.2238**	212.1155
1079.3830	**540.1951**	8	E	2	**276.1554**	138.5813
		9	K	1	147.1128	74.0600

R.RYS$_{167}$VIPTAPPS$_{167}$AR.S/2

1

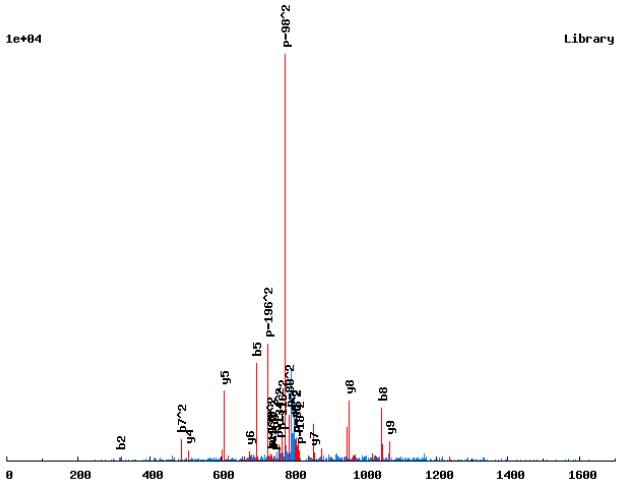


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	13		
320.1717	160.5895	2	Y	12	1418.6117	709.8095
487.1701	244.0887	3	S[167]	11	**1255.5483**	628.2778
586.2385	293.6229	4	V	10	**1088.5500**	544.7786
699.3226	350.1649	5	I	9	**989.4816**	495.2444
796.3753	398.6913	6	P	8	**876.3975**	438.7024
897.4230	449.2151	7	T	7	**779.3447**	390.1760
968.4601	484.7337	8	A	6	**678.2971**	339.6522
1065.5129	533.2601	9	P	5	**607.2599**	304.1336
1162.5656	581.7865	10	P	4	**510.2072**	255.6072
1329.5640	665.2856	11	S[167]	3	**413.1544**	207.0809
1400.6011	**700.8042**	12	A	2	246.1561	123.5817
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.RYS$_{167}$VIPT$_{181}$APPS$_{167}$AR.S/2

0.9987

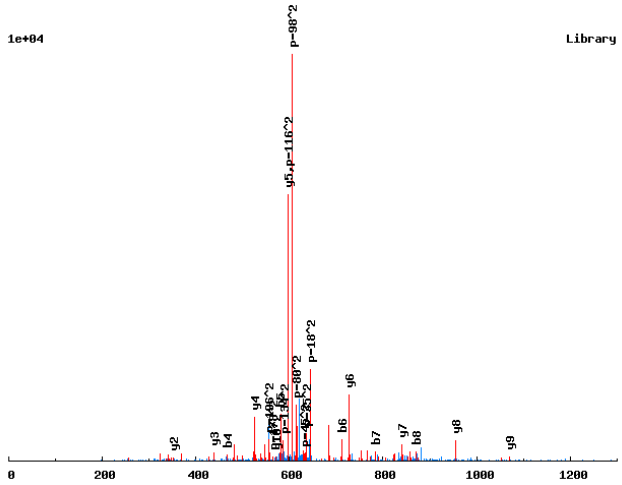


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
157.1084	79.0578	1	R	13		
320.1717	160.5895	2	Y	12	1498.5780	749.7926
487.1701	244.0887	3	S[167]	11	1335.5147	668.2610
586.2385	293.6229	4	V	10	1168.5163	584.7618
699.3226	350.1649	5	I	9	**1069.4479**	535.2276
796.3753	398.6913	6	P	8	**956.3638**	478.6856
977.3893	**489.1983**	7	T[181]	7	**859.3111**	430.1592
1048.4264	524.7169	8	A	6	**678.2971**	339.6522
1145.4792	573.2432	9	P	5	**607.2599**	304.1336
1242.5320	621.7696	10	P	4	**510.2072**	255.6072
1409.5303	705.2688	11	S[167]	3	413.1544	207.0809
1480.5674	**740.7874**	12	A	2	246.1561	123.5817
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$ADNLMASSS$_{167}$R$_{166}$.K/2

0.9984

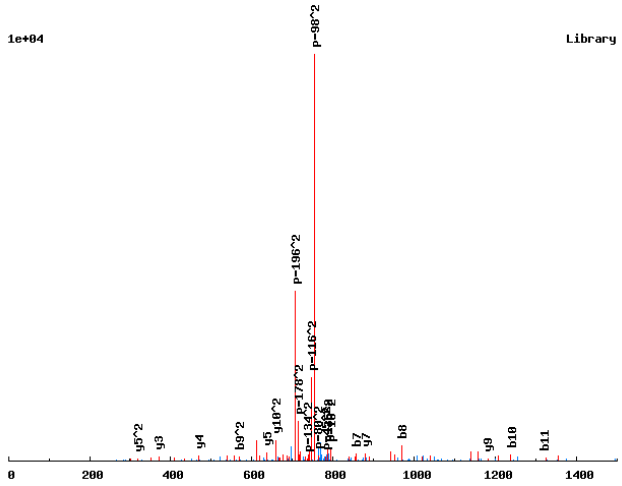


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
239.0428	120.0250	2	A	10	1141.4583	**571.2328**
354.0697	177.5385	3	D	9	**1070.4212**	535.7142
468.1126	234.5600	4	N	8	**955.3942**	478.2008
581.1967	291.1020	5	L	7	**841.3513**	421.1793
712.2372	356.6222	6	M	6	**728.2672**	364.6373
783.2743	392.1408	7	A	5	**597.2268**	299.1170
870.3063	435.6568	8	S	4	**526.1896**	263.5985
957.3383	479.1728	9	S	3	**439.1576**	220.0824
1124.3367	562.6720	10	S[167]	2	**352.1256**	176.5664
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SAEHS$_{167}$K$_{136}$EIS$_{167}$VSQK$_{136}$.A/2

0.5895

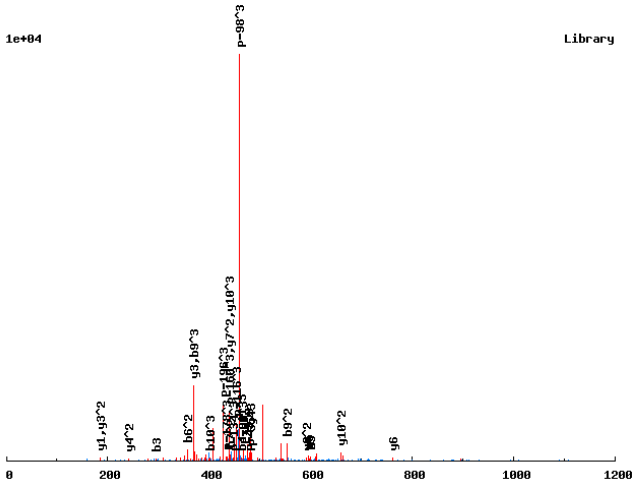


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
159.0764	80.0419	2	A	12	1518.6572	759.8322
288.1190	144.5631	3	E	11	1447.6200	724.3137
425.1779	213.0926	4	H	10	1318.5775	**659.7924**
592.1763	296.5918	5	S[167]	9	**1181.5185**	591.2629
728.2854	364.6464	6	K[136]	8	1014.5202	507.7637
857.3280	429.1677	7	E	7	**878.4110**	439.7092
970.4121	485.7097	8	I	6	749.3684	375.1879
1137.4105	**569.2089**	9	S[167]	5	**636.2844**	**318.6458**
1236.4789	618.7431	10	V	4	**469.2860**	235.1466
1323.5109	662.2591	11	S	3	**370.2176**	185.6124
1451.5695	726.2884	12	Q	2	283.1856	142.0964
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.SAHS$_{167}$K$_{136}$DS$_{167}$LLPSR$_{166}$.S/3

0.8556

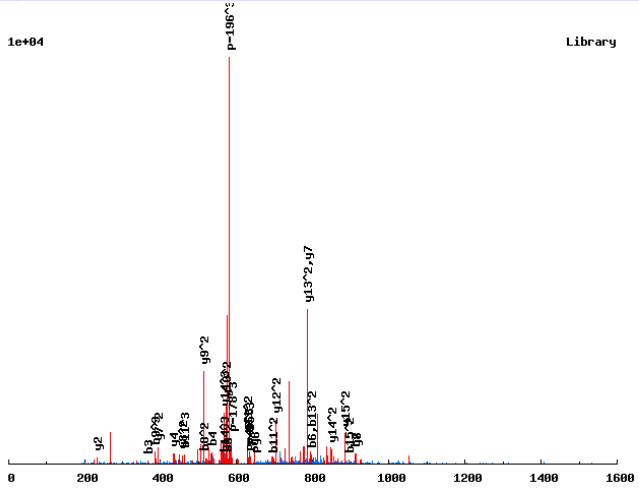


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	12			
159.0764	80.0419	53.6970	2	A	11	1388.6090	694.8081	**463.5412**
296.1353	148.5713	99.3833	3	H	10	1317.5719	**659.2896**	**439.8621**
463.1337	232.0705	155.0494	4	S[167]	9	1180.5130	**590.7601**	394.1758
599.2429	300.1251	200.4191	5	K[136]	8	1013.5146	507.2609	338.5097
714.2698	**357.6385**	238.7615	6	D	7	877.4054	**439.2064**	293.1400
881.2682	**441.1377**	294.4276	7	S[167]	6	**762.3785**	381.6929	254.7977
994.3522	497.6797	332.1223	8	L	5	**595.3801**	298.1937	199.1316
1107.4363	**554.2218**	**369.8169**	9	L	4	**482.2961**	**241.6517**	161.4369
1204.4890	602.7482	**402.1679**	10	P	3	**369.2120**	**185.1096**	123.7422
1291.5211	646.2642	431.1785	11	S	2	272.1592	136.5833	91.3913
			12	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$AKS$_{167}$FNDLQHTLSLSK.Q/3

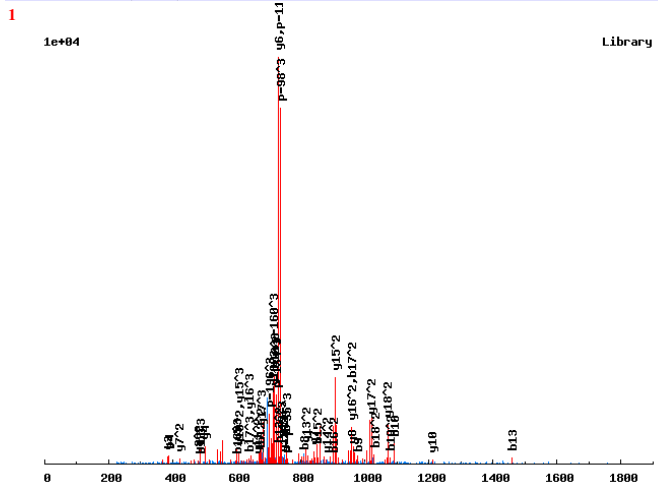
0.8915



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	16			
239.0428	120.0250	80.3524	2	A	15	1768.8629	**884.9351**	590.2925
367.1377	184.0725	123.0508	3	K	14	1697.8258	**849.4165**	**566.6135**
534.1361	267.5717	178.7169	4	S[167]	13	1569.7309	**785.3691**	523.9151
681.2045	341.1059	227.7397	5	F	12	1402.7325	**701.8699**	468.2490
795.2474	398.1273	265.7540	6	N	11	1255.6641	**628.3357**	419.2262
910.2744	455.6408	304.0963	7	D	10	1141.6211	**571.3142**	381.2119
1023.3584	**512.1828**	341.7910	8	L	9	1026.5942	**513.8007**	342.8696
1151.4170	**576.2121**	**384.4772**	9	Q	8	**913.5102**	**457.2587**	305.1749
1288.4759	644.7416	430.1635	10	H	7	**785.4516**	**393.2294**	262.4887
1389.5236	**695.2654**	**463.8460**	11	T	6	**648.3927**	324.7000	216.8024
1502.6076	751.8075	501.5407	12	L	5	547.3450	274.1761	183.1198
1589.6397	**795.3235**	530.5514	13	S	4	**434.2609**	217.6341	145.4252
1702.7237	851.8655	**568.2461**	14	L	3	347.2289	174.1181	116.4145
1789.7558	**895.3815**	597.2568	15	S	2	**234.1448**	117.5761	78.7198
			16	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SALDVGEHS$_{167}$DSS$_{167}$DIEVDHTK.S/3

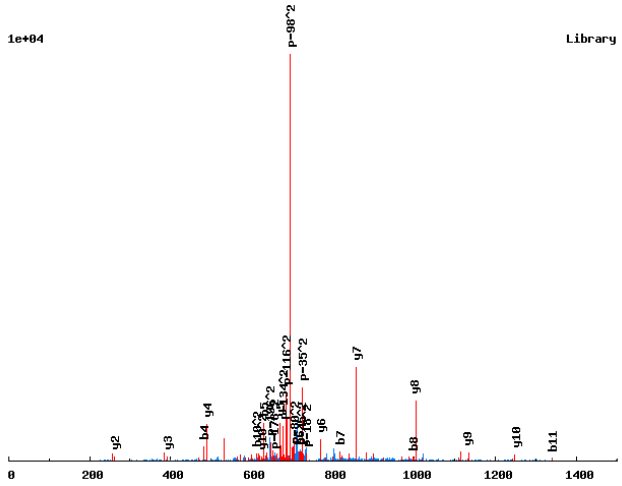


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
159.0764	80.0419	53.6970	2	A	19	2213.8635	1107.4354	**738.6260**
272.1605	136.5839	91.3917	3	L	18	2142.8264	**1071.9168**	**714.9470**
387.1874	194.0973	129.7340	4	D	17	2029.7423	**1015.3748**	**677.2523**
486.2558	243.6316	162.7568	5	V	16	1914.7154	**957.8613**	**638.9100**
543.2773	272.1423	181.7640	6	G	15	1815.6470	**908.3271**	**605.8872**
672.3199	336.6636	224.7781	7	E	14	1758.6255	**879.8164**	586.8800
809.3788	405.1930	270.4644	8	H	13	1629.5829	**815.2951**	543.8658
976.3772	488.6922	326.1306	9	S[167]	12	1492.5240	**746.7657**	498.1795
1091.4041	546.2057	364.4729	10	D	11	1325.5257	**663.2665**	442.5134
1178.4361	589.7217	393.4836	11	S	10	**1210.4987**	**605.7530**	404.1711
1345.4345	**673.2209**	449.1497	12	S[167]	9	1123.4667	562.2370	375.1604
1460.4614	**730.7344**	**487.4920**	13	D	8	**956.4683**	**478.7378**	319.4943
1573.5455	787.2764	525.1867	14	I	7	**841.4414**	**421.2243**	281.1520
1702.5881	**851.7977**	568.2009	15	E	6	**728.3573**	364.6823	243.4573
1801.6565	**901.3319**	**601.2237**	16	V	5	**599.3147**	300.1610	200.4431
1916.6834	**958.8454**	**639.5660**	17	D	4	**500.2463**	250.6268	167.4203
2053.7423	**1027.3748**	685.2523	18	H	3	**385.2194**	193.1133	129.0780
2154.7900	**1077.8986**	**718.9349**	19	T	2	248.1605	124.5839	83.3917
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$ANEFSTT$_{181}$PEDK.H/2

0.9999

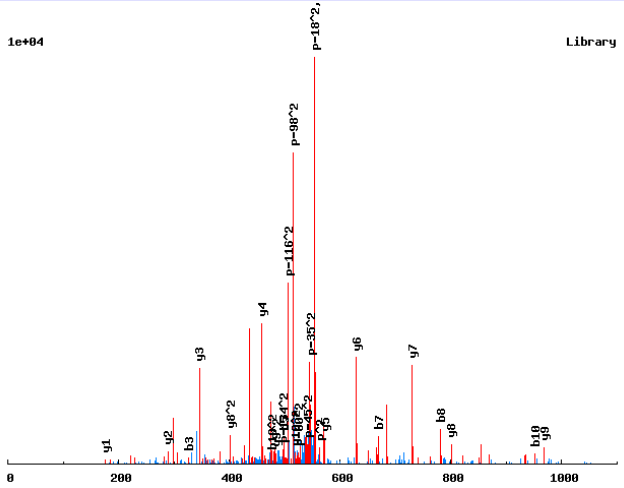


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
239.0428	120.0250	2	A	11	1318.5199	659.7636
353.0857	177.0465	3	N	10	**1247.4827**	**624.2450**
482.1283	241.5678	4	E	9	**1133.4398**	567.2235
629.1967	315.1020	5	F	8	**1004.3972**	502.7023
716.2287	358.6180	6	S	7	**857.3288**	429.1680
817.2764	409.1418	7	T	6	**770.2968**	385.6520
998.2904	499.6488	8	T[181]	5	**669.2491**	335.1282
1095.3432	548.1752	9	P	4	**488.2351**	244.6212
1224.3858	**612.6965**	10	E	3	**391.1823**	196.0948
1339.4127	670.2100	11	D	2	**262.1397**	131.5735
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SAS$_{167}$ATGILGLR.R/2

0.9998

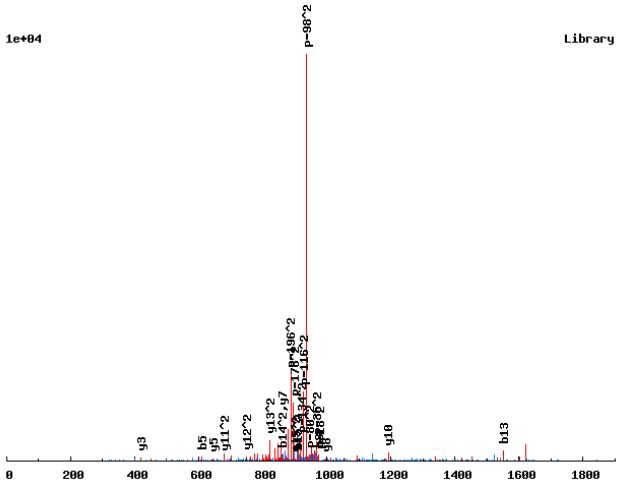


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
159.0764	80.0419	2	A	10	1038.5343	**519.7708**
326.0748	163.5410	3	S[167]	9	**967.4972**	**484.2522**
397.1119	199.0596	4	A	8	**800.4988**	**400.7531**
498.1596	249.5834	5	T	7	**729.4617**	365.2345
555.1810	278.0942	6	G	6	**628.4140**	314.7107
668.2651	334.6362	7	I	5	**571.3926**	286.1999
781.3492	391.1782	8	L	4	**458.3085**	229.6579
838.3706	419.6889	9	G	3	**345.2245**	173.1159
951.4547	**476.2310**	10	L	2	**288.2030**	144.6051
		11	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$ASFHS$_{167}$PVHNTLLS$_{167}$PK$_{136}$.N/2

0.9987

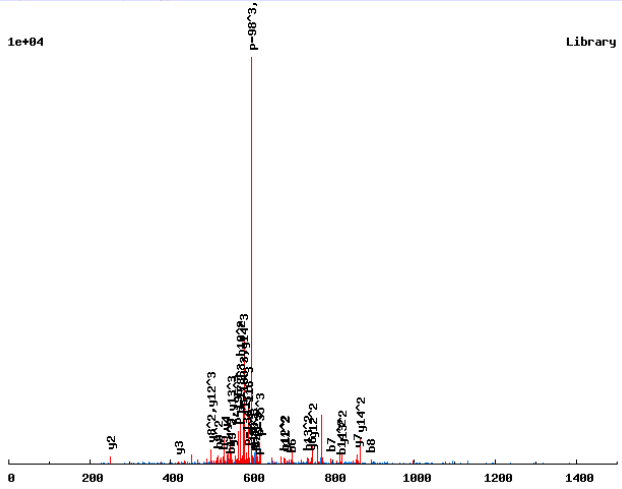


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	16		
239.0428	120.0250	2	A	15	1802.8118	**901.9095**
326.0748	163.5410	3	S	14	1731.7746	866.3910
473.1432	237.0752	4	F	13	1644.7426	**822.8749**
610.2021	305.6047	5	H	12	1497.6742	**749.3407**
777.2005	389.1039	6	S[167]	11	1360.6153	**680.8113**
874.2532	437.6303	7	P	10	**1193.6169**	597.3121
973.3216	487.1645	8	V	9	1096.5642	548.7857
1110.3805	555.6939	9	H	8	**997.4958**	499.2515
1224.4235	612.7154	10	N	7	**860.4369**	430.7221
1325.4712	663.2392	11	T	6	746.3939	373.7006
1438.5552	719.7812	12	L	5	**645.3462**	323.1768
1551.6393	776.3233	13	L	4	532.2622	266.6347
1718.6376	**859.8225**	14	S[167]	3	**419.1781**	210.0927
1815.6904	**908.3488**	15	P	2	252.1798	126.5935
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SASFHS$_{167}$PVHNTLLS$_{167}$PK$_{136}$.N/3

0.9992

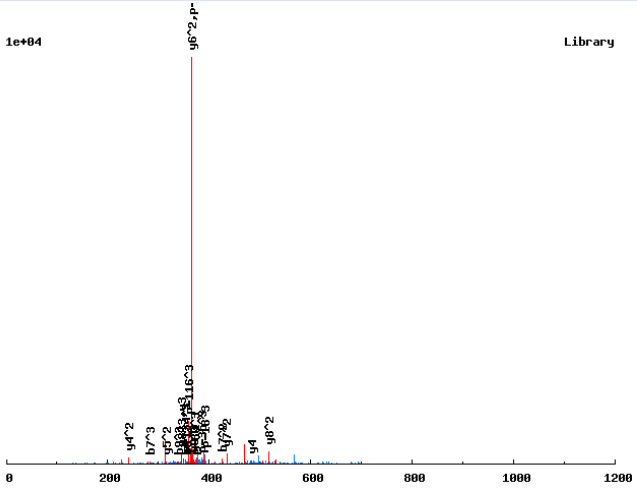


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	16			
159.0764	80.0419	53.6970	2	A	15	1802.8118	901.9095	**601.6088**
246.1085	123.5579	82.7077	3	S	14	1731.7746	**866.3910**	**577.9297**
393.1769	197.0921	131.7305	4	F	13	1644.7426	**822.8749**	**548.9191**
530.2358	265.6215	177.4168	5	H	12	1497.6742	**749.3407**	**499.8963**
697.2341	349.1207	233.0829	6	S[167]	11	1360.6153	**680.8113**	454.2100
794.2869	397.6471	265.4338	7	P	10	1193.6169	**597.3121**	398.5438
893.3553	447.1813	298.4566	8	V	9	1096.5642	**548.7857**	366.1929
1030.4142	**515.7107**	344.1429	9	H	8	997.4958	**499.2515**	333.1701
1144.4571	**572.7322**	382.1572	10	N	7	**860.4369**	430.7221	287.4838
1245.5048	623.2561	415.8398	11	T	6	**746.3939**	373.7006	249.4695
1358.5889	**679.7981**	453.5345	12	L	5	645.3462	323.1768	215.7869
1471.6729	**736.3401**	491.2292	13	L	4	**532.2622**	266.6347	178.0922
1638.6713	**819.8393**	**546.8953**	14	S[167]	3	**419.1781**	210.0927	140.3976
1735.7241	868.3657	579.2462	15	P	2	**252.1798**	126.5935	84.7314
			16	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.SAS$_{167}$HTFHGIR.R/3

0.9649

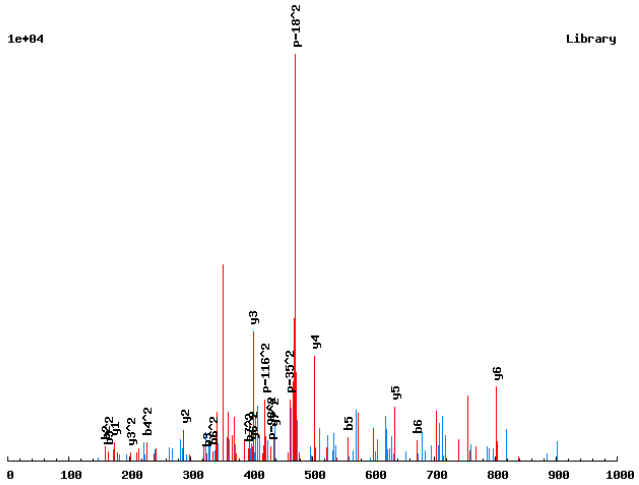


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	10			
159.0764	80.0419	53.6970	2	A	9	1105.4939	553.2506	**369.1695**
326.0748	163.5410	109.3631	3	S[167]	8	1034.4567	**517.7320**	**345.4904**
463.1337	232.0705	155.0494	4	H	7	867.4584	**434.2328**	289.8243
564.1814	282.5943	188.7320	5	T	6	730.3995	**365.7034**	244.1380
711.2498	**356.1285**	237.7548	6	F	5	629.3518	**315.1795**	210.4555
848.3087	**424.6580**	**283.4411**	7	H	4	**482.2834**	**241.6453**	161.4326
905.3302	453.1687	302.4482	8	G	3	**345.2245**	173.1159	115.7463
1018.4142	509.7107	**340.1429**	9	I	2	288.2030	144.6051	96.7392
			10	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SAS$_{167}$MTNLR.K/2

0.9868

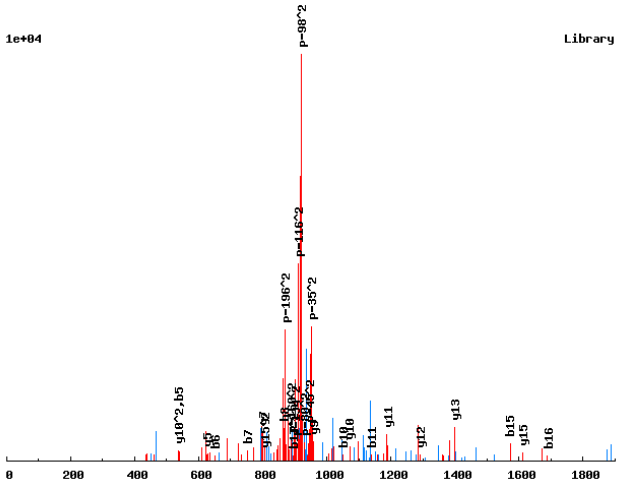


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
159.0764	80.0419	2	A	7	872.3696	**436.6884**
326.0748	**163.5410**	3	S[167]	6	**801.3325**	**401.1699**
457.1153	**229.0613**	4	M	5	**634.3341**	317.6707
558.1630	279.5851	5	T	4	**503.2936**	252.1504
672.2059	**336.6066**	6	N	3	**402.2459**	**201.6266**
785.2899	**393.1486**	7	L	2	**288.2030**	144.6051
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$ASPINTNNASGDS$_{167}$PDTK.K/2

0.9836

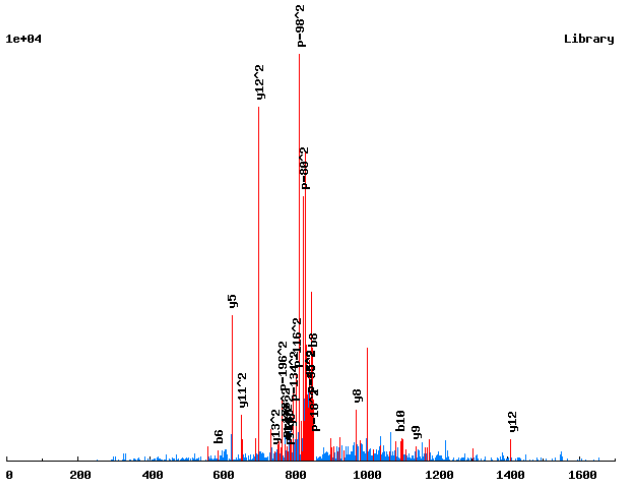


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	18		
239.0428	120.0250	2	A	17	1768.7385	884.8729
326.0748	163.5410	3	S	16	1697.7014	849.3543
423.1275	212.0674	4	P	15	**1610.6694**	**805.8383**
536.2116	268.6094	5	I	14	1513.6166	757.3119
650.2545	325.6309	6	N	13	**1400.5326**	700.7699
751.3022	376.1547	7	T	12	**1286.4896**	643.7485
865.3451	433.1762	8	N	11	**1185.4419**	593.2246
979.3881	490.1977	9	N	10	**1071.3990**	**536.2031**
1050.4252	525.7162	10	A	9	**957.3561**	479.1817
1137.4572	569.2322	11	S	8	886.3190	443.6631
1194.4787	597.7430	12	G	7	**799.2869**	400.1471
1309.5056	655.2564	13	D	6	742.2655	371.6364
1476.5040	738.7556	14	S[167]	5	**627.2385**	314.1229
1573.5567	787.2820	15	P	4	460.2402	230.6237
1688.5837	844.7955	16	D	3	363.1874	182.0973
1789.6314	**895.3193**	17	T	2	248.1605	124.5839
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$ASPPAS$_{167}$PSYPSIFR$_{166}$.R/2

0.9987

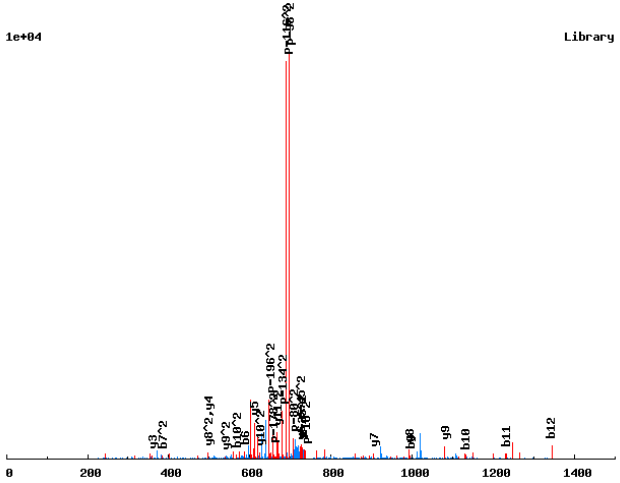


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	15		
239.0428	120.0250	2	A	14	1566.7227	**783.8650**
326.0748	163.5410	3	S	13	1495.6856	**748.3465**
423.1275	212.0674	4	P	12	**1408.6536**	**704.8304**
520.1803	260.5938	5	P	11	1311.6008	**656.3041**
591.2174	296.1123	6	A	10	1214.5481	607.7777
758.2158	379.6115	7	S[167]	9	**1143.5110**	572.2591
855.2685	428.1379	8	P	8	**976.5126**	488.7599
942.3006	471.6539	9	S	7	879.4598	440.2336
1105.3639	553.1856	10	Y	6	**792.4278**	396.7175
1202.4167	601.7120	11	P	5	**629.3645**	315.1859
1289.4487	645.2280	12	S	4	532.3117	266.6595
1402.5327	701.7700	13	I	3	445.2797	223.1435
1549.6012	775.3042	14	F	2	332.1956	166.6015
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SASS$_{167}$SST$_{181}$INHVLK.E/2

0.9736

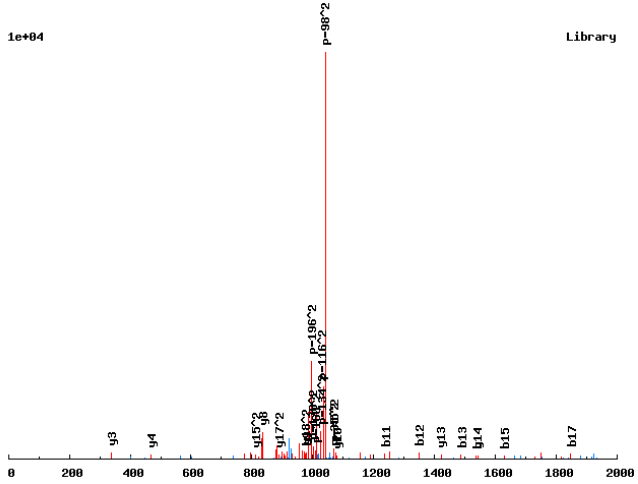


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
159.0764	80.0419	2	A	12	1403.5967	702.3020
246.1085	123.5579	3	S	11	1332.5596	**666.7835**
413.1068	207.0570	4	S[167]	10	1245.5276	**623.2674**
500.1388	250.5731	5	S	9	**1078.5292**	**539.7683**
587.1709	294.0891	6	S	8	**991.4972**	**496.2522**
768.1849	**384.5961**	7	T[181]	7	**904.4652**	452.7362
881.2689	441.1381	8	I	6	**723.4512**	362.2292
995.3119	498.1596	9	N	5	**610.3671**	305.6872
1132.3708	**566.6890**	10	H	4	**496.3242**	248.6657
1231.4392	616.2232	11	V	3	**359.2653**	180.1363
1344.5233	672.7653	12	L	2	260.1969	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$AS$_{167}$VGSNQSEQDK$_{136}$GSSQSPK$_{136}$.H/2

0.8617

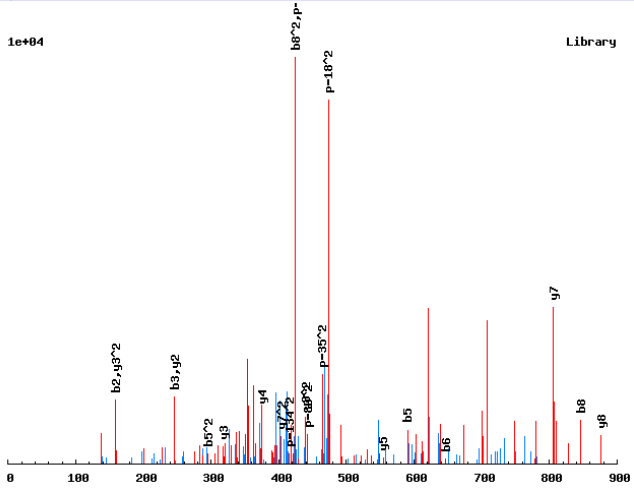


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	20		
239.0428	120.0250	2	A	19	2016.8841	1008.9457
406.0411	203.5242	3	S[167]	18	1945.8470	**973.4271**
505.1095	253.0584	4	V	17	1778.8486	**889.9279**
562.1310	281.5691	5	G	16	1679.7802	840.3937
649.1630	325.0851	6	S	15	1622.7587	**811.8830**
763.2059	382.1066	7	N	14	**1535.7267**	768.3670
891.2645	446.1359	8	Q	13	**1421.6838**	711.3455
978.2966	489.6519	9	S	12	1293.6252	647.3162
1107.3391	554.1732	10	E	11	1206.5932	603.8002
1235.3977	618.2025	11	Q	10	**1077.5506**	539.2789
1350.4247	675.7160	12	D	9	949.4920	475.2496
1486.5338	743.7706	13	K[136]	8	**834.4650**	417.7362
1543.5553	772.2813	14	G	7	698.3559	349.6816
1630.5873	815.7973	15	S	6	641.3344	321.1709
1717.6193	859.3133	16	S	5	554.3024	277.6548
1845.6779	923.3426	17	Q	4	**467.2704**	234.1388
1932.7100	966.8586	18	S	3	**339.2118**	170.1095
2029.7627	1015.3850	19	P	2	252.1798	126.5935
		20	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SASYT$_{181}$GAKV.-/2

0.9459

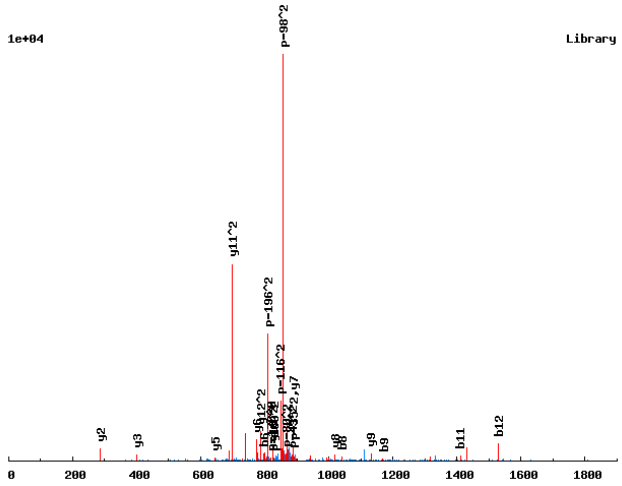


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	**1**	**S**	**9**		
159.0764	80.0419	**2**	**A**	**8**	**876.3863**	**438.6968**
246.1085	123.5579	**3**	**S**	**7**	**805.3492**	**403.1782**
409.1718	205.0895	**4**	**Y**	**6**	718.3171	359.6622
590.1858	**295.5965**	**5**	**T[181]**	**5**	**555.2538**	278.1305
647.2073	324.1073	**6**	**G**	**4**	**374.2398**	187.6235
718.2444	359.6258	**7**	**A**	**3**	**317.2183**	**159.1128**
846.3393	**423.6733**	**8**	**K**	**2**	**246.1812**	123.5942
		9	**V**	**1**	118.0862	59.5468

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$AT$_{181}$PR$_{166}$IEDEEDDTR$_{166}$.M/2

0.7695

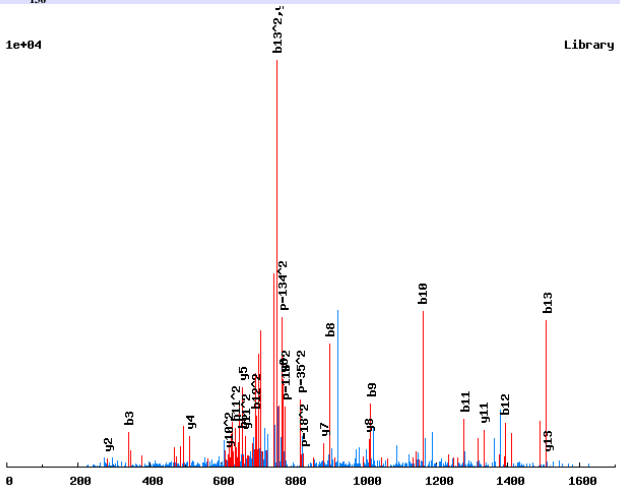


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	14		
239.0428	120.0250	2	A	13	1646.6808	**823.8440**
420.0568	210.5320	3	T[181]	12	1575.6437	**788.3255**
517.1095	259.0584	4	P	11	1394.6297	**697.8185**
683.2189	342.1131	5	R[166]	10	1297.5769	649.2921
796.3030	398.6551	6	I	9	**1131.4675**	566.2374
925.3456	463.1764	7	E	8	**1018.3835**	509.6954
1040.3725	520.6899	8	D	7	**889.3409**	445.1741
1169.4151	585.2112	9	E	6	**774.3140**	387.6606
1298.4577	649.7325	10	E	5	**645.2714**	323.1393
1413.4846	707.2459	11	D	4	516.2288	258.6180
1528.5116	764.7594	12	D	3	**401.2018**	201.1046
1629.5592	815.2833	13	T	2	**286.1749**	143.5911
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$ATPSK$_{136}$EINFDDDF.-/2

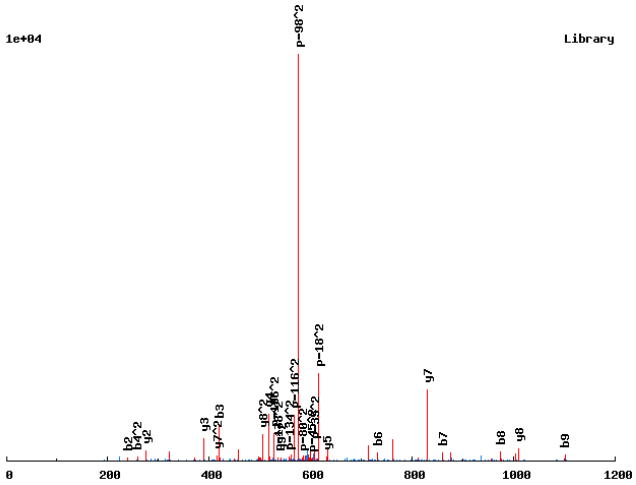
0.6128



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	14		
239.0428	120.0250	2	A	13	1506.6838	753.8455
340.0904	170.5489	3	T	12	1435.6467	718.3270
437.1432	219.0752	4	P	11	1334.5990	667.8031
524.1752	262.5913	5	S	10	1237.5462	619.2768
660.2844	330.6458	6	K[136]	9	1150.5142	575.7607
789.3270	395.1671	7	E	8	1014.4051	507.7062
902.4110	451.7092	8	I	7	885.3625	443.1849
1016.4540	508.7306	9	N	6	772.2784	386.6428
1163.5224	582.2648	10	F	5	658.2355	329.6214
1278.5493	639.7783	11	D	4	511.1671	256.0872
1393.5762	697.2918	12	D	3	396.1401	198.5737
1508.6032	754.8052	13	D	2	281.1132	141.0602
		14	F	1	166.0863	83.5468

R.S$_{167}$AT$_{181}$PTLQDQK.L/2

0.998

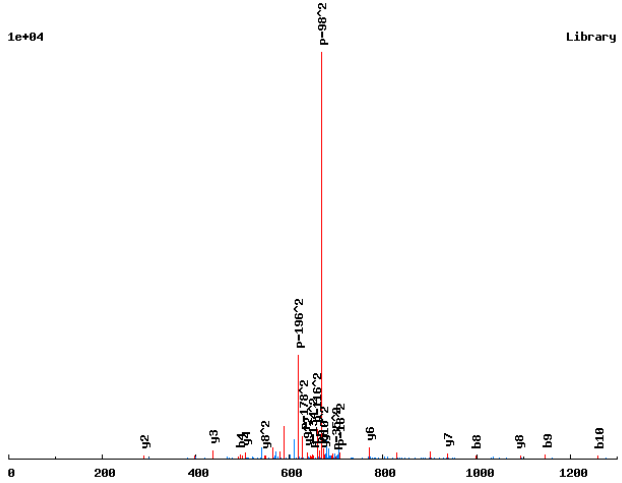


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
239.0428	120.0250	2	A	9	1081.4925	**541.2499**
420.0568	210.5320	3	T[181]	8	**1010.4554**	**505.7313**
517.1095	**259.0584**	4	P	7	**829.4414**	**415.2243**
618.1572	309.5822	5	T	6	732.3886	366.6980
731.2413	366.1243	6	L	5	**631.3410**	316.1741
859.2998	430.1536	7	Q	4	**518.2569**	259.6321
974.3268	487.6670	8	D	3	**390.1983**	195.6028
1102.3854	551.6963	9	Q	2	**275.1714**	138.0893
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SAT$_{181}$RS$_{167}$PS$_{167}$AFNR.A/2

0.9971

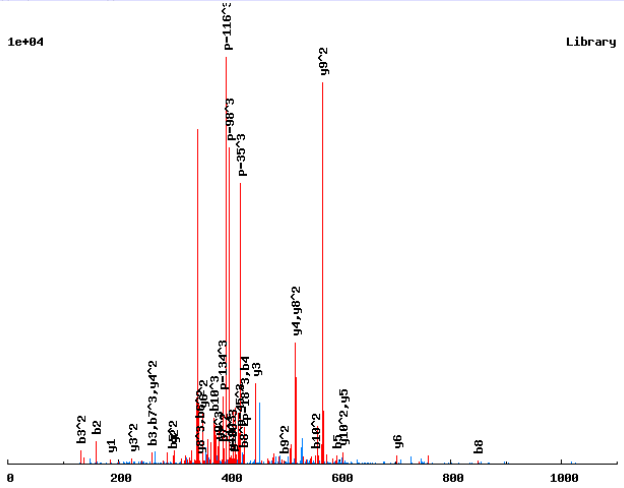


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
159.0764	80.0419	2	A	10	1346.4691	**673.7382**
340.0904	170.5489	3	T[181]	9	1275.4320	**638.2196**
496.1915	248.5994	4	R	8	**1094.4180**	**547.7126**
663.1899	332.0986	5	S[167]	7	**938.3169**	469.6621
760.2427	380.6250	6	P	6	**771.3185**	386.1629
927.2410	464.1242	7	S[167]	5	**674.2658**	337.6365
998.2781	499.6427	8	A	4	**507.2674**	254.1373
1145.3465	573.1769	9	F	3	**436.2303**	218.6188
1259.3895	630.1984	10	N	2	**289.1619**	145.0846
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SATR$_{166}$S$_{167}$PSAFNR$_{166}$.A/3

0.9973

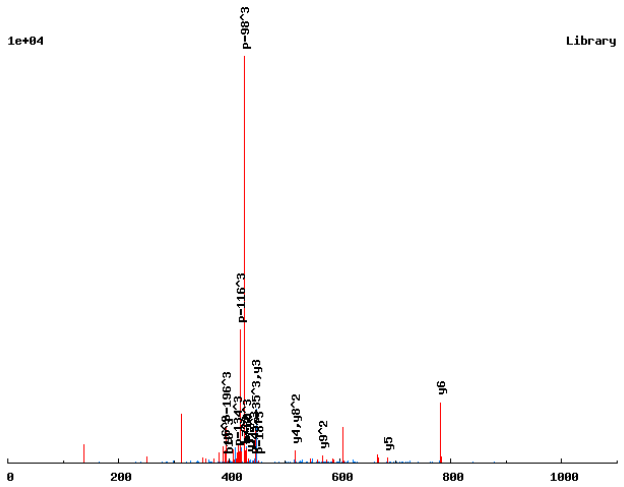


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	11			
159.0764	80.0419	53.6970	2	A	10	1206.5530	**603.7801**	**402.8558**
260.1241	**130.5657**	87.3796	3	T	9	1135.5159	**568.2616**	**379.1768**
426.2335	213.6204	142.7493	4	R[166]	8	1034.4682	**517.7377**	**345.4943**
593.2318	**297.1196**	198.4155	5	S[167]	7	868.3588	434.6831	290.1245
690.2846	**345.6459**	230.7664	6	P	6	**701.3605**	**351.1839**	234.4583
777.3166	**389.1620**	**259.7771**	7	S	5	**604.3077**	302.6575	202.1074
848.3537	**424.6805**	283.4561	8	A	4	**517.2757**	**259.1415**	173.0967
995.4221	**498.2147**	332.4789	9	F	3	**446.2386**	**223.6229**	149.4177
1109.4651	**555.2362**	**370.4932**	10	N	2	**299.1701**	150.0887	100.3949
			11	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$ATR$_{166}$SPS$_{167}$AFNR$_{166}$.A/3

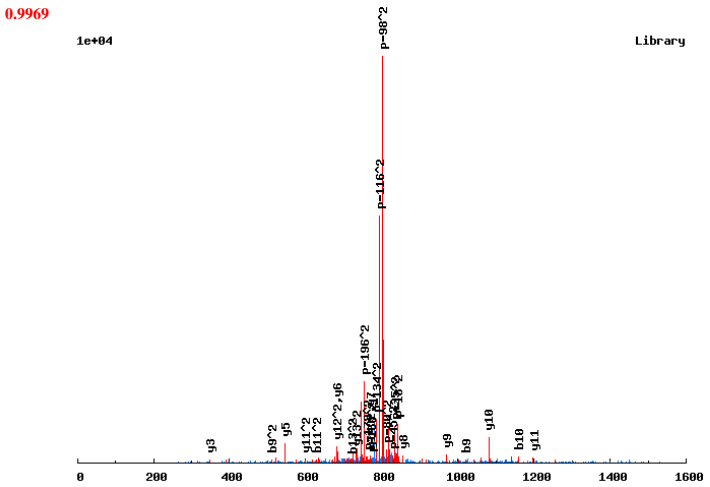
0.5892



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	11			
239.0428	120.0250	80.3524	2	A	10	1206.5530	603.7801	402.8558
340.0904	170.5489	114.0350	3	T	9	1135.5159	**568.2616**	379.1768
506.1998	253.6035	169.4048	4	R[166]	8	1034.4682	**517.7377**	345.4943
593.2318	297.1196	198.4155	5	S	7	868.3588	**434.6831**	290.1245
690.2846	345.6459	230.7664	6	P	6	**781.3268**	**391.1670**	261.1138
857.2830	**429.1451**	286.4325	7	S[167]	5	**684.2740**	342.6407	228.7629
928.3201	464.6637	310.1115	8	A	4	**517.2757**	259.1415	173.0967
1075.3885	538.1979	359.1343	9	F	3	**446.2386**	223.6229	149.4177
1189.4314	595.2193	**397.1487**	10	N	2	299.1701	150.0887	100.3949
			11	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$ATS$_{167}$INLSSHPVSSR.S/2

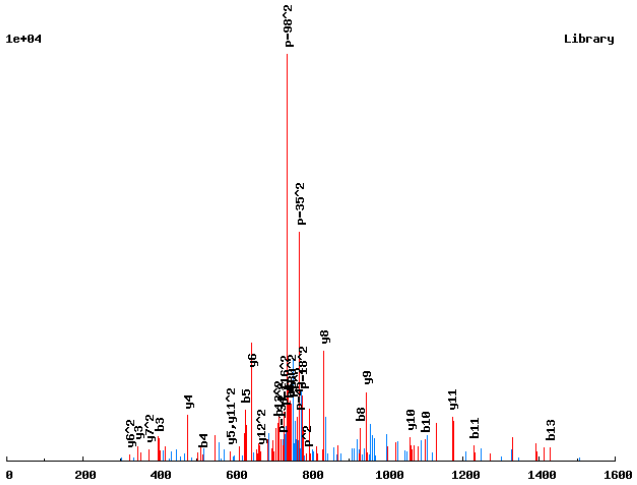


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	15		
239.0428	120.0250	2	A	14	1535.7214	**768.3643**
340.0904	170.5489	3	T	13	1464.6842	**732.8458**
507.0888	254.0480	4	S[167]	12	1363.6366	**682.3219**
620.1729	310.5901	5	I	11	**1196.6382**	**598.8227**
734.2158	367.6115	6	N	10	**1083.5541**	542.2807
847.2998	424.1536	7	L	9	**969.5112**	485.2592
934.3319	467.6696	8	S	8	**856.4272**	428.7172
1021.3639	**511.1856**	9	S	7	**769.3951**	385.2012
1158.4228	579.7150	10	H	6	**682.3631**	341.6852
1255.4756	**628.2414**	11	P	5	**545.3042**	273.1557
1354.5440	677.7756	12	V	4	448.2514	224.6293
1441.5760	**721.2916**	13	S	3	**349.1830**	175.0951
1528.6080	764.8077	14	S	2	262.1510	131.5791
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$AYNLLSTGLEAQK.A/2

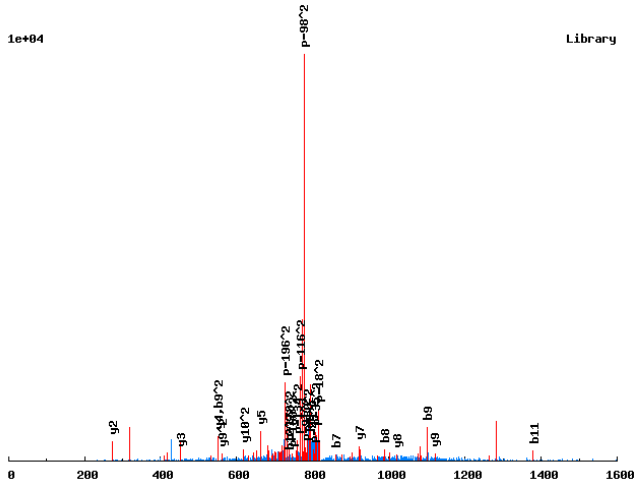
0.9993



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	14		
239.0428	120.0250	2	A	13	1407.7478	704.3775
402.1061	201.5567	3	Y	12	1336.7107	**668.8590**
516.1490	258.5781	4	N	11	**1173.6474**	**587.3273**
629.2331	315.1202	5	L	10	**1059.6044**	530.3059
742.3171	371.6622	6	L	9	**946.5204**	473.7638
829.3492	415.1782	7	S	8	**833.4363**	417.2218
930.3968	465.7021	8	T	7	**746.4043**	**373.7058**
987.4183	494.2128	9	G	6	**645.3566**	**323.1819**
1100.5024	550.7548	10	L	5	**588.3351**	294.6712
1229.5450	615.2761	11	E	4	**475.2511**	238.1292
1300.5821	650.7947	12	A	3	**346.2085**	173.6079
1428.6406	**714.8240**	13	Q	2	275.1714	138.0893
		14	K	1	147.1128	74.0600

R.S$_{167}$C$_{160}$SNTVMKLPT$_{181}$PR.R/2

0.9852

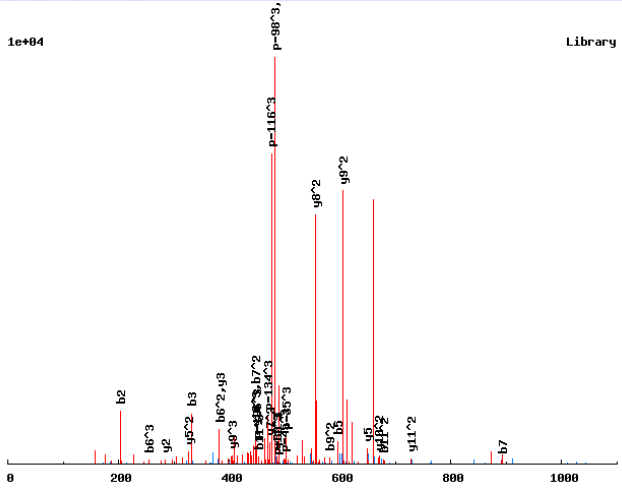


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
328.0363	164.5218	2	C[160]	12	1483.6797	742.3435
415.0683	208.0378	3	S	11	1323.6490	662.3282
529.1113	265.0593	4	N	10	1236.6170	**618.8121**
630.1589	315.5831	5	T	9	**1122.5741**	**561.7907**
729.2273	365.1173	6	V	8	**1021.5264**	511.2668
860.2678	430.6376	7	M	7	**922.4580**	461.7326
988.3628	494.6850	8	K	6	**791.4175**	396.2124
1101.4469	**551.2271**	9	L	5	**663.3225**	332.1649
1198.4996	599.7534	10	P	4	**550.2385**	275.6229
1379.5136	690.2605	11	T[181]	3	**453.1857**	227.0965
1476.5664	**738.7868**	12	P	2	**272.1717**	136.5895
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SDEPS$_{167}$R$_{166}$ES$_{167}$TPVR$_{166}$.S/3

0.9937

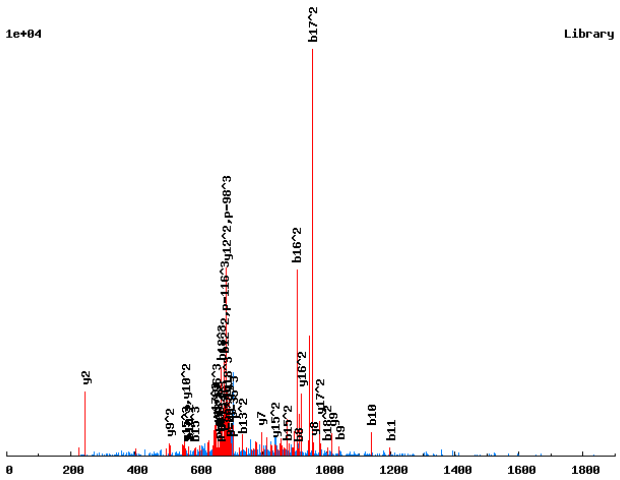


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	12			
203.0662	102.0368	68.3603	2	D	11	1452.5671	**726.7872**	**484.8605**
332.1088	166.5581	111.3745	3	E	10	1337.5401	**669.2737**	**446.5182**
429.1616	215.0844	143.7254	4	P	9	1208.4975	**604.7524**	**403.5040**
596.1600	298.5836	199.3915	5	S[167]	8	1111.4448	**556.2260**	371.1531
762.2693	**381.6383**	**254.7613**	6	R[166]	7	944.4464	**472.7268**	315.4870
891.3119	**446.1596**	297.7755	7	E	6	778.3370	389.6722	260.1172
1058.3103	529.6588	353.4416	8	S[167]	5	**649.2944**	**325.1509**	217.1030
1159.3580	**580.1826**	387.1242	9	T	4	**482.2961**	241.6517	161.4369
1256.4107	628.7090	419.4751	10	P	3	**381.2484**	191.1278	127.7543
1355.4791	**678.2432**	**452.4979**	11	V	2	**284.1956**	142.6015	95.4034
			12	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SDIS$_{167}$PSDKEVGYLS$_{167}$DGVPK.L/3

0.9934

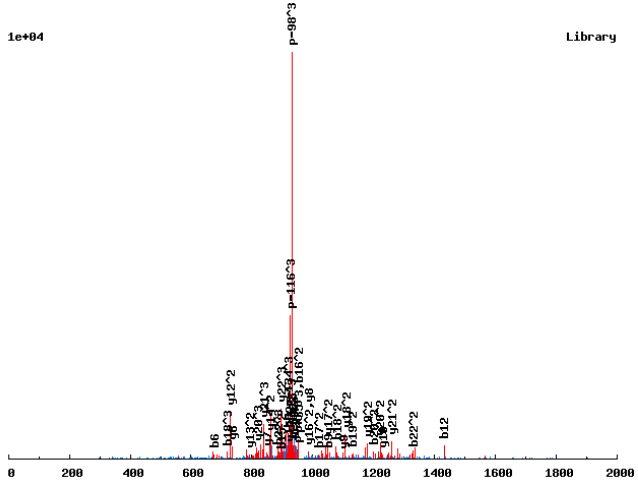


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	19			
203.0662	102.0368	68.3603	2	D	18	2065.8766	1033.4420	**689.2971**
316.1503	158.5788	106.0550	3	I	17	1950.8497	**975.9285**	**650.9548**
483.1487	242.0780	161.7211	4	S[167]	16	1837.7656	**919.3865**	613.2601
580.2014	290.6044	194.0720	5	P	15	1670.7673	**835.8873**	**557.5939**
667.2335	334.1204	223.0827	6	S	14	1573.7145	787.3609	525.2430
782.2604	391.6338	261.4250	7	D	13	1486.6825	743.8449	496.2323
910.3554	455.6813	304.1233	8	K	12	1371.6555	**686.3314**	457.8900
1039.3980	520.2026	347.1375	9	E	11	1243.5606	622.2839	415.1917
1138.4664	**569.7368**	380.1603	10	V	10	1114.5180	**557.7626**	372.1775
1195.4878	598.2476	399.1675	11	G	9	**1015.4496**	**508.2284**	339.1547
1358.5512	**679.7792**	453.5219	12	Y	8	**958.4281**	479.7177	320.1476
1471.6352	**736.3212**	491.2166	13	L	7	**795.3648**	398.1860	265.7931
1638.6336	819.8204	546.8827	14	S[167]	6	**682.2807**	341.6440	228.0984
1753.6605	**877.3339**	**585.2250**	15	D	5	515.2824	258.1448	172.4323
1810.6820	**905.8446**	604.2322	16	G	4	400.2554	200.6314	134.0900
1909.7504	**955.3788**	637.2550	17	V	3	343.2340	172.1206	115.0828
2006.8031	**1003.9052**	**669.6059**	18	P	2	**244.1656**	122.5864	82.0600
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.SDS$_{167}$ASFLEEKEEPQENHDNKEEQS.-/3

0.9147

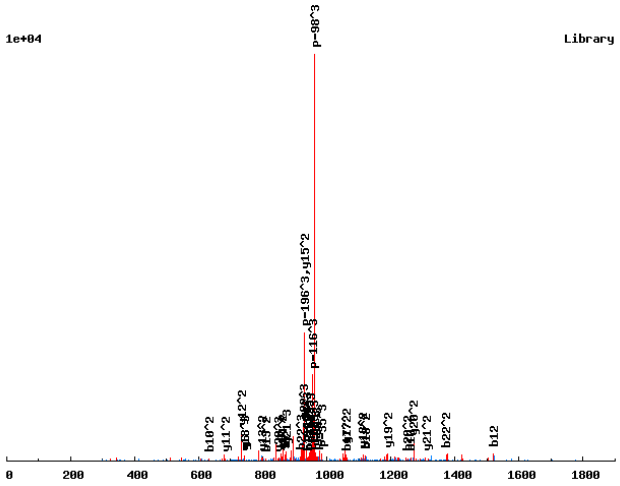


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
203.0662	102.0368	68.3603	2	D	23	2799.1265	1400.0669	**933.7137**
370.0646	185.5359	124.0264	3	S[167]	22	2684.0995	1342.5534	**895.3714**
441.1017	221.0545	147.7054	4	A	21	2517.1012	**1259.0542**	**839.7052**
528.1338	264.5705	176.7161	5	S	20	2446.0640	**1223.5357**	**816.0262**
675.2022	338.1047	225.7389	6	F	19	2359.0320	**1180.0196**	787.0155
788.2862	394.6468	263.4336	7	L	18	2211.9636	**1106.4854**	737.9927
917.3288	459.1680	306.4478	8	E	17	2098.8795	**1049.9434**	700.2980
1046.3714	523.6893	349.4620	9	E	16	1969.8370	**985.4221**	657.2838
1174.4664	587.7368	392.1603	10	K	15	1840.7944	**920.9008**	614.2696
1303.5090	652.2581	435.1745	11	E	14	1712.6994	**856.8533**	571.5713
1432.5515	716.7794	478.1887	12	E	13	1583.6568	**792.3320**	528.5571
1529.6043	765.3058	510.5396	13	P	12	1454.6142	**727.8108**	485.5429
1657.6629	829.3351	553.2258	14	Q	11	1357.5615	679.2844	453.1920
1786.7055	**893.8564**	596.2400	15	E	10	**1229.5029**	615.2551	410.5058
1900.7484	**950.8778**	634.2543	16	N	9	**1100.4603**	550.7338	367.4916
2037.8073	**1019.4073**	679.9406	17	H	8	**986.4174**	493.7123	329.4773
2152.8343	**1076.9208**	**718.2829**	18	D	7	**849.3585**	425.1829	283.7910
2266.8772	**1133.9422**	756.2972	19	N	6	**734.3315**	367.6694	245.4487
2394.9721	**1197.9897**	798.9956	20	K	5	620.2886	310.6479	207.4344
2524.0147	1262.5110	842.0098	21	E	4	492.1936	246.6005	164.7361
2653.0573	**1327.0323**	**885.0240**	22	E	3	363.1510	182.0792	121.7219
2781.1159	1391.0616	**927.7102**	23	Q	2	234.1085	117.5579	78.7077
			24	S	1	106.0499	53.5286	36.0215

Annotated spectra from Saleem et. al. 2009

R.SDS$_{167}$AS$_{167}$FLEEK$_{136}$EEPQENHDNK$_{136}$EEQS.-/3

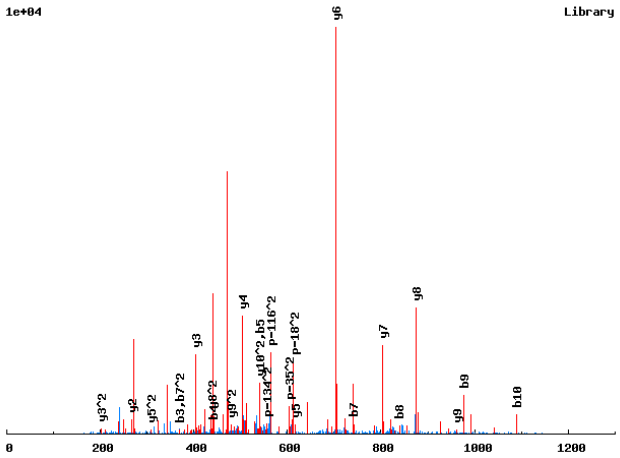
0.7334



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
203.0662	102.0368	68.3603	2	D	23	2895.1212	1448.0642	**965.7119**
370.0646	185.5359	124.0264	3	S[167]	22	2780.0943	1390.5508	**927.3696**
441.1017	221.0545	147.7054	4	A	21	2613.0959	**1307.0516**	**871.7035**
608.1001	304.5537	203.3715	5	S[167]	20	2542.0588	**1271.5330**	**848.0244**
755.1685	378.0879	252.3944	6	F	19	2375.0604	**1188.0338**	792.3583
868.2526	434.6299	290.0890	7	L	18	2227.9920	**1114.4996**	**743.3355**
997.2951	499.1512	333.1032	8	E	17	2114.9079	**1057.9576**	705.6408
1126.3377	563.6725	376.1174	9	E	16	1985.8654	993.4363	662.6266
1262.4469	**631.7271**	421.4872	10	K[136]	15	1856.8228	**928.9150**	619.6124
1391.4895	696.2484	464.5013	11	E	14	1720.7136	**860.8604**	574.2427
1520.5321	760.7697	507.5155	12	E	13	1591.6710	**796.3391**	531.2285
1617.5848	**809.2961**	539.8665	13	P	12	1462.6284	**731.8179**	488.2143
1745.6434	873.3253	582.5527	14	Q	11	1365.5757	**683.2915**	455.8634
1874.6860	**937.8466**	625.5669	15	E	10	1237.5171	619.2622	413.1772
1988.7289	994.8681	663.5812	16	N	9	1108.4745	554.7409	370.1630
2125.7878	**1063.3976**	709.2675	17	H	8	994.4316	497.7194	332.1487
2240.8148	**1120.9110**	747.6098	18	D	7	**857.3727**	429.1900	286.4624
2354.8577	1177.9325	785.6241	19	N	6	**742.3457**	371.6765	248.1201
2490.9669	**1245.9871**	830.9938	20	K[136]	5	628.3028	314.6550	210.1058
2620.0095	1310.5084	874.0080	21	E	4	492.1936	246.6005	164.7361
2749.0521	**1375.0297**	**917.0222**	22	E	3	363.1510	182.0792	121.7219
2877.1106	1439.0590	**959.7084**	23	Q	2	234.1085	117.5579	78.7077
			24	S	1	106.0499	53.5286	36.0215

R.S$_{167}$DSAVSIVHLK$_{136}$.R/2

1

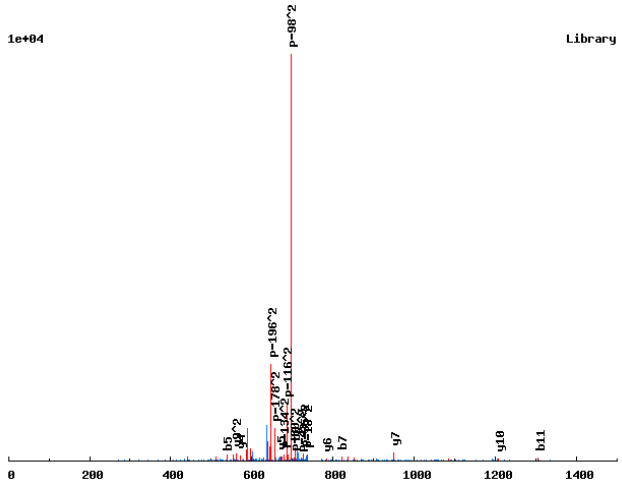


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
283.0326	142.0199	2	D	10	1076.6190	**538.8131**
370.0646	185.5359	3	S	9	**961.5920**	**481.2996**
441.1017	221.0545	4	A	8	**874.5600**	**437.7836**
540.1701	270.5887	5	V	7	**803.5229**	402.2651
627.2022	314.1047	6	S	6	**704.4545**	352.7309
740.2862	**370.6468**	7	I	5	**617.4224**	**309.2149**
839.3546	420.1810	8	V	4	**504.3384**	252.6728
976.4135	488.7104	9	H	3	**405.2700**	**203.1386**
1089.4976	545.2524	10	L	2	**268.2111**	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$DSAVS$_{167}$IVHLK$_{136}$R$_{166}$.A/2

0.9841

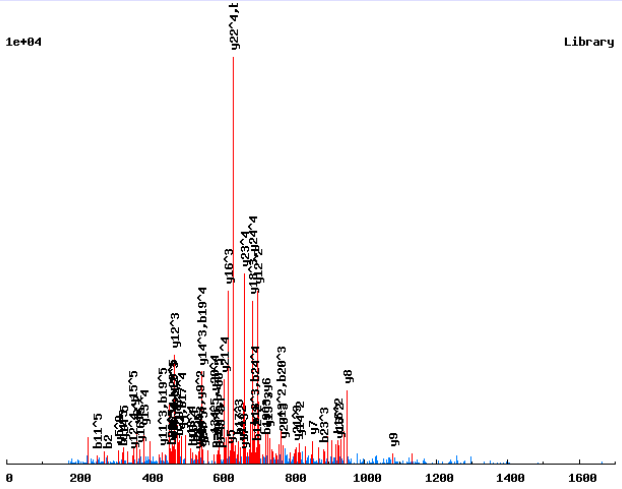


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
283.0326	142.0199	2	D	11	1322.6947	661.8510
370.0646	185.5359	3	S	10	**1207.6677**	604.3375
441.1017	221.0545	4	A	9	1120.6357	**560.8215**
540.1701	270.5887	5	V	8	1049.5986	525.3029
707.1685	354.0879	6	S[167]	7	**950.5302**	475.7687
820.2526	410.6299	7	I	6	**783.5318**	392.2695
919.3210	460.1641	8	V	5	**670.4478**	335.7275
1056.3799	528.6936	9	H	4	**571.3793**	286.1933
1169.4639	585.2356	10	L	3	434.3204	217.6639
1305.5731	653.2902	11	K[136]	2	321.2364	161.1218
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

M.S$_{167}$DSEVNQEAKPEVKPEVKPETHINLK.V/5

0.9998

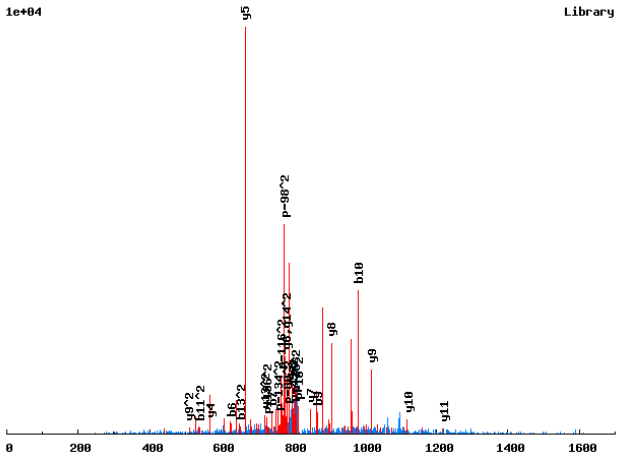


b^{1+}	b^{2+}	b^{3+}	b^{4+}	b^{5+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}	y^{5+}
168.0056	84.5065	56.6734	42.7569	34.4070	1	S[167]	26					
283.0326	142.0199	95.0157	71.5136	57.4123	2	D	25	2858.4894	1429.7483	953.5013	715.3778	572.5037
370.0646	185.5359	124.0264	93.2716	74.8187	3	S	24	2743.4624	1372.2349	915.1590	**686.6211**	**549.4983**
499.1072	250.0572	167.0406	125.5323	100.6273	4	E	23	2656.4304	1328.7188	886.1483	**664.8631**	**532.0919**
598.1756	299.5914	200.0634	150.2994	120.4409	5	V	22	2527.3878	1264.1975	843.1341	**632.6024**	506.2834
712.2185	356.6129	238.0777	178.8101	143.2495	6	N	21	2428.3194	1214.6633	**810.1113**	**607.8353**	486.4697
840.2771	420.6422	280.7639	210.8247	168.8612	7	Q	20	2314.2765	1157.6419	**772.0970**	**579.3246**	**463.6611**
969.3197	485.1635	323.7781	243.0854	194.6698	8	E	19	2186.2179	1093.6126	**729.4108**	**547.3099**	438.0494
1040.3568	520.6821	347.4571	260.8447	208.8772	9	A	18	2057.1753	1029.0913	**686.3966**	**515.0493**	412.2409
1168.4518	584.7295	390.1554	292.8684	234.4962	10	K	17	1986.1382	993.5727	**662.7176**	497.2900	398.0335
1265.5045	**633.2559**	422.5064	317.1316	**253.9067**	11	P	16	1858.0432	**929.5253**	**620.0193**	**465.2663**	**372.4145**
1394.5471	**697.7772**	**465.5206**	349.3922	279.7153	12	E	15	1760.9905	880.9989	587.6683	441.0031	**353.0039**
1493.6155	747.3114	498.5434	374.1593	299.5289	13	V	14	1631.9479	**816.4776**	**544.6541**	408.7424	**327.1954**
1621.7105	811.3589	**541.2417**	406.1831	**325.1479**	14	K	13	1532.8795	**766.9434**	511.6313	**383.9753**	307.3817
1718.7633	859.8853	573.5926	430.4463	344.5585	15	P	12	1404.7845	**702.8959**	**468.9330**	**351.9516**	281.7627
1847.8059	**924.4066**	616.6068	**462.7069**	370.3670	16	E	11	1307.7317	**654.3695**	**436.5821**	327.6884	262.3522
1946.8743	973.9408	**649.6296**	**487.4740**	390.1807	17	V	10	1178.6892	**589.8482**	393.5679	295.4278	236.5437
2074.9692	1037.9883	**692.3279**	**519.4978**	415.7997	18	K	9	**1079.6207**	**540.3140**	360.5451	270.6606	216.7300
2172.0220	1086.5146	**724.6788**	**543.7610**	**435.2102**	19	P	8	**951.5258**	**476.2665**	317.8468	238.6369	191.1110
2301.0646	1151.0359	**767.6930**	576.0216	**461.0187**	20	E	7	**854.4730**	427.7402	285.4959	214.3737	171.7004
2402.1123	1201.5598	801.3756	601.2835	**481.2283**	21	T	6	**725.4304**	**363.2189**	242.4817	182.1131	145.8919
2539.1712	1270.0892	847.0619	635.5483	508.6401	22	H	5	**624.3828**	**312.6950**	208.7991	156.8512	125.6824
2652.2552	1326.6313	**884.7566**	663.8193	531.2569	23	I	4	**487.3238**	244.1656	163.1128	122.5864	98.2706
2766.2982	1383.6527	922.7709	**692.3300**	554.0655	24	N	3	374.2398	187.6235	125.4181	94.3154	75.6538
2879.3822	1440.1947	960.4656	720.6010	576.6823	25	L	2	260.1969	130.6021	87.4038	65.8047	52.8452
					26	K	1	147.1128	74.0600	49.7091	37.5337	30.2284

Annotated spectra from Saleem et. al. 2009

K.SDS$_{167}$GTVLGAIPLNS$_{167}$R.S/2

0.9907

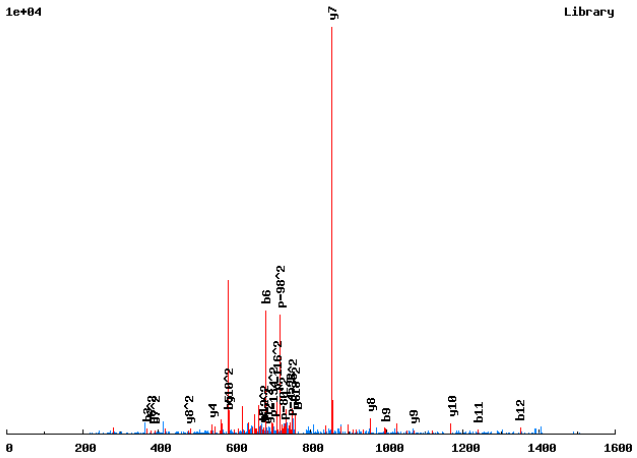


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	15		
203.0662	102.0368	2	D	14	1559.6866	**780.3469**
370.0646	185.5359	3	S[167]	13	1444.6597	**722.8335**
427.0861	214.0467	4	G	12	1277.6613	639.3343
528.1338	264.5705	5	T	11	**1220.6398**	610.8236
627.2022	314.1047	6	V	10	**1119.5922**	560.2997
740.2862	370.6468	7	L	9	**1020.5238**	**510.7655**
797.3077	399.1575	8	G	8	**907.4397**	454.2235
868.3448	434.6760	9	A	7	**850.4182**	425.7128
981.4289	491.2181	10	I	6	**779.3811**	390.1942
1078.4816	**539.7444**	11	P	5	**666.2971**	333.6522
1191.5657	596.2865	12	L	4	**569.2443**	285.1258
1305.6086	**653.3079**	13	N	3	456.1602	228.5838
1472.6070	736.8071	14	S[167]	2	342.1173	171.5623
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$DSPDVPSMDQIR$_{166}$.E/2

0.9946

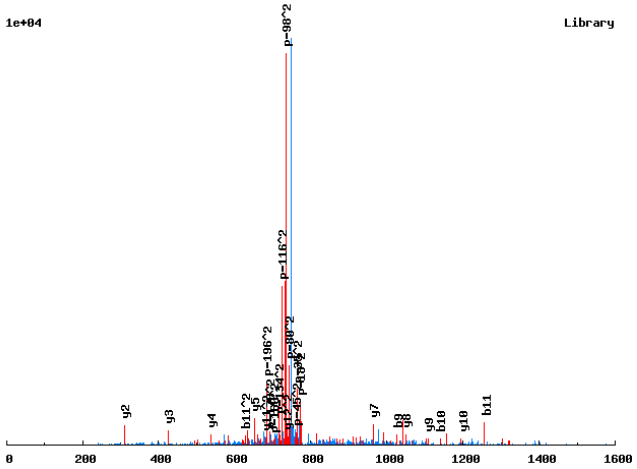


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
283.0326	142.0199	2	D	12	1369.6292	**685.3182**
370.0646	185.5359	3	S	11	1254.6022	627.8047
467.1174	234.0623	4	P	10	**1167.5702**	**584.2887**
582.1443	291.5758	5	D	9	**1070.5174**	535.7624
681.2127	341.1100	6	V	8	**955.4905**	**478.2489**
778.2655	**389.6364**	7	P	7	**856.4221**	428.7147
865.2975	433.1524	8	S	6	**759.3693**	**380.1883**
996.3380	498.6726	9	M	5	**672.3373**	336.6723
1111.3649	556.1861	10	D	4	**541.2968**	271.1520
1239.4235	620.2154	11	Q	3	426.2699	213.6386
1352.5076	**676.7574**	12	I	2	298.2113	149.6093
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SDS$_{167}$SGST$_{181}$MNLDYK.L/2

0.9823

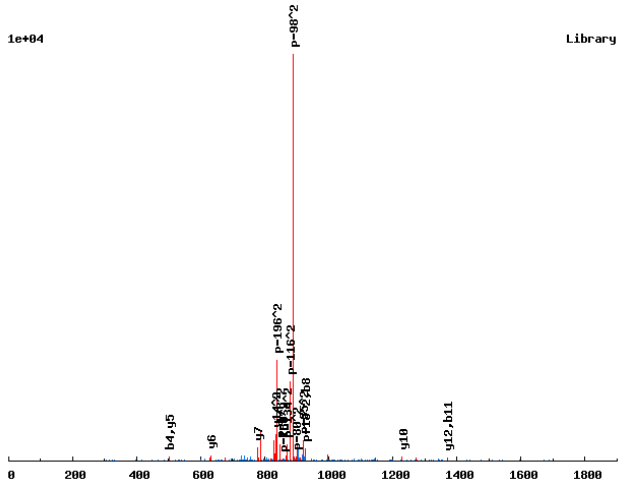


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
203.0662	102.0368	2	D	12	1477.4954	**739.2513**
370.0646	185.5359	3	S[167]	11	1362.4684	**681.7379**
457.0966	229.0520	4	S	10	**1195.4701**	598.2387
514.1181	257.5627	5	G	9	**1108.4381**	554.7227
601.1501	301.0787	6	S	8	**1051.4166**	526.2119
782.1641	391.5857	7	T[181]	7	**964.3846**	482.6959
913.2046	457.1060	8	M	6	783.3706	392.1889
1027.2476	514.1274	9	N	5	**652.3301**	326.6687
1140.3316	570.6695	10	L	4	**538.2871**	269.6472
1255.3586	**628.1829**	11	D	3	**425.2031**	213.1052
1418.4219	709.7146	12	Y	2	**310.1761**	155.5917
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SDY$_{243}$GGSR$_{166}$DS$_{167}$FQSSGSR$_{166}$.Y/2

0.9899

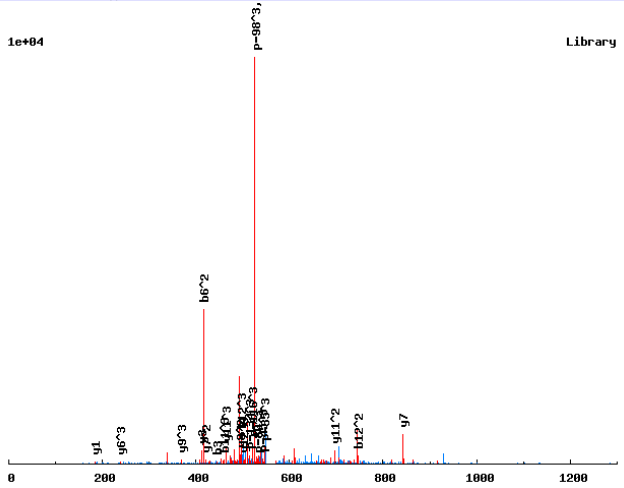


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	16		
203.0662	102.0368	2	D	15	1785.6380	893.3226
446.0959	223.5516	3	Y[243]	14	1670.6111	**835.8092**
503.1174	252.0623	4	G	13	1427.5814	714.2943
560.1388	280.5731	5	G	12	**1370.5599**	685.7836
647.1709	324.0891	6	S	11	1313.5385	657.2729
813.2802	407.1438	7	R[166]	10	**1226.5064**	613.7569
928.3072	464.6572	8	D	9	1060.3971	530.7022
1095.3055	548.1564	9	S[167]	8	945.3701	473.1887
1242.3740	621.6906	10	F	7	**778.3718**	389.6895
1370.4325	685.7199	11	Q	6	**631.3033**	316.1553
1457.4646	729.2359	12	S	5	**503.2448**	252.1260
1544.4966	772.7519	13	S	4	416.2127	208.6100
1601.5181	801.2627	14	G	3	329.1807	165.0940
1688.5501	844.7787	15	S	2	272.1592	136.5833
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$DYQIFQSTNNIR$_{166}$.N/3

0.7645

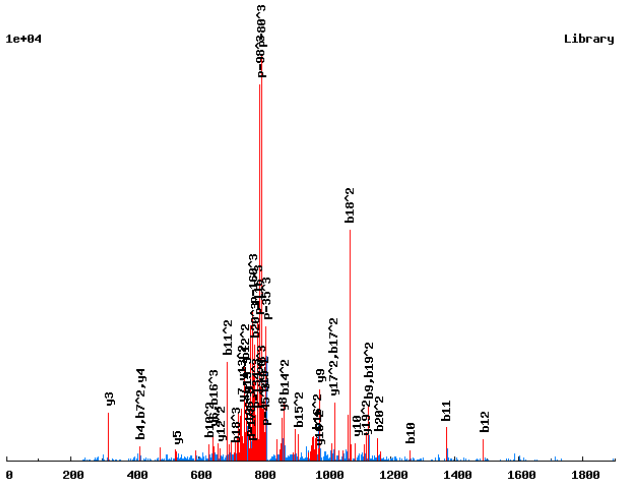


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	13			
283.0326	142.0199	95.0157	2	D	12	1508.7367	754.8720	**503.5838**
446.0959	223.5516	149.3702	3	Y	11	1393.7098	**697.3585**	**465.2415**
574.1545	287.5809	192.0564	4	Q	10	1230.6465	615.8269	410.8870
687.2386	344.1229	229.7510	5	I	9	1102.5879	551.7976	**368.2008**
834.3070	**417.6571**	278.7738	6	F	8	989.5038	**495.2556**	330.5061
962.3655	481.6864	321.4600	7	Q	7	**842.4354**	**421.7214**	281.4833
1049.3976	525.2024	350.4707	8	S	6	714.3768	357.6921	**238.7971**
1150.4453	575.7263	384.1533	9	T	5	627.3448	314.1760	209.7865
1264.4882	632.7477	422.1676	10	N	4	**526.2971**	263.6522	176.1039
1378.5311	689.7692	**460.1819**	11	N	3	**412.2542**	206.6307	138.0896
1491.6152	**746.3112**	**497.8766**	12	I	2	298.2113	149.6093	100.0753
			13	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SEAEVHT$_{181}$S$_{167}$EEDIDESNNVNGK.R/3

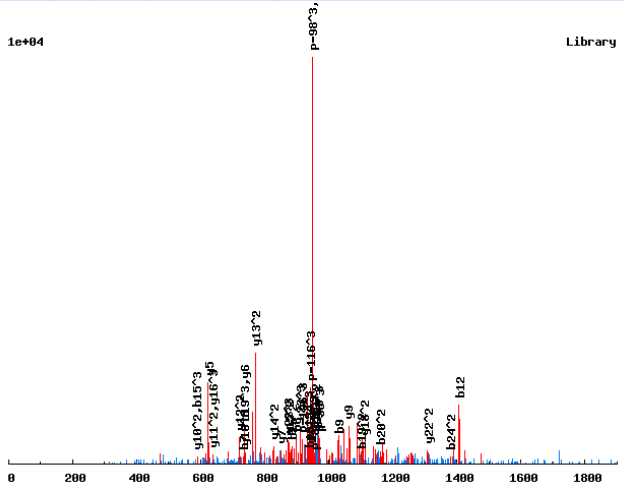
0.9997



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	21			
217.0819	109.0446	73.0322	2	E	20	2375.8912	1188.4492	**792.6352**
288.1190	144.5631	96.7112	3	A	19	2246.8486	**1123.9279**	**749.6211**
417.1616	209.0844	139.7254	4	E	18	2175.8115	1088.4094	725.9420
516.2300	258.6186	172.7482	5	V	17	2046.7689	**1023.8881**	682.9278
653.2889	327.1481	218.4345	6	H	16	1947.7005	**974.3539**	649.9050
834.3029	**417.6551**	278.7725	7	T[181]	15	1810.6416	905.8244	604.2187
1001.3013	501.1543	334.4386	8	S[167]	14	1629.6276	815.3174	543.8807
1130.3439	565.6756	377.4528	9	E	13	1462.6292	**731.8182**	488.2146
1259.3865	**630.1969**	420.4670	10	E	12	1333.5866	**667.2969**	445.2004
1374.4134	**687.7103**	458.8093	11	D	11	1204.5440	602.7756	402.1862
1487.4975	**744.2524**	496.5040	12	I	10	**1089.5171**	545.2622	363.8439
1602.5244	**801.7658**	534.8463	13	D	9	**976.4330**	488.7202	326.1492
1731.5670	**866.2871**	577.8605	14	E	8	**861.4061**	431.2067	287.8069
1818.5990	**909.8032**	606.8712	15	S	7	**732.3635**	366.6854	244.7927
1932.6420	**966.8246**	**644.8855**	16	N	6	**645.3315**	323.1694	215.7820
2046.6849	**1023.8461**	682.8998	17	N	5	**531.2885**	266.1479	177.7677
2145.7533	**1073.3803**	**715.9226**	18	V	4	**417.2456**	209.1264	139.7534
2259.7962	**1130.4018**	753.9369	19	N	3	**318.1772**	159.5922	106.7306
2316.8177	**1158.9125**	**772.9441**	20	G	2	204.1343	102.5708	68.7163
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

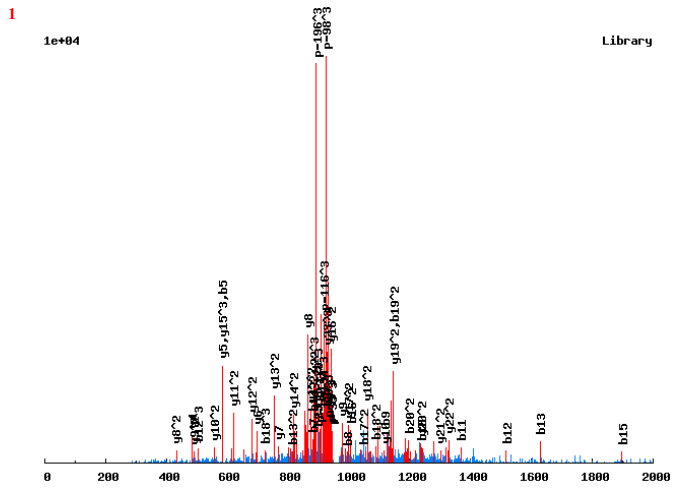
R.SEDGNNDR$_{166}$MS$_{167}$PLPS$_{167}$PLNTILPINNR$_{166}$.L/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	25			
217.0819	109.0446	73.0322	2	E	24	2857.2854	1429.1463	**953.1000**
332.1088	166.5581	111.3745	3	D	23	2728.2428	1364.6251	**910.0858**
389.1303	195.0688	130.3816	4	G	22	2613.2159	**1307.1116**	**871.7435**
503.1732	252.0903	168.3959	5	N	21	2556.1944	1278.6008	852.7363
617.2162	309.1117	206.4102	6	N	20	2442.1515	1221.5794	814.7220
732.2431	366.6252	244.7526	7	D	19	2328.1086	1164.5579	776.7077
898.3525	449.6799	300.1223	8	R[166]	18	2213.0816	**1107.0444**	**738.3654**
1029.3930	515.2001	343.8025	9	M	17	2046.9722	1023.9898	682.9956
1196.3913	598.6993	399.4686	10	S[167]	16	1915.9318	**958.4695**	**639.3154**
1293.4441	647.2257	431.8196	11	P	15	1748.9334	**874.9703**	583.6493
1406.5282	703.7677	469.5142	12	L	14	1651.8806	**826.4440**	551.2984
1503.5809	752.2941	501.8652	13	P	13	1538.7966	**769.9019**	513.6037
1670.5793	835.7933	557.5313	14	S[167]	12	1441.7438	**721.3755**	481.2528
1767.6320	**884.3197**	**589.8822**	15	P	11	1274.7454	**637.8764**	425.5867
1880.7161	**940.8617**	627.5769	16	L	10	1177.6927	**589.3500**	393.2357
1994.7590	997.8832	665.5912	17	N	9	**1064.6086**	532.8080	355.5411
2095.8067	1048.4070	699.2738	18	T	8	**950.5657**	475.7865	317.5268
2208.8908	**1104.9490**	**736.9684**	19	I	7	**849.5180**	425.2626	283.8442
2321.9748	**1161.4911**	774.6631	20	L	6	**736.4340**	368.7206	246.1495
2419.0276	1210.0174	807.0140	21	P	5	**623.3499**	312.1786	208.4548
2532.1116	1266.5595	844.7087	22	I	4	526.2971	263.6522	176.1039
2646.1546	1323.5809	882.7230	23	N	3	413.2131	207.1102	138.4092
2760.1975	**1380.6024**	920.7374	24	N	2	299.1701	150.0887	100.3949
			25	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SEGET$_{181}$S$_{167}$EDEDEFDEK$_{136}$NPAIVQTAR$_{166}$.S/3

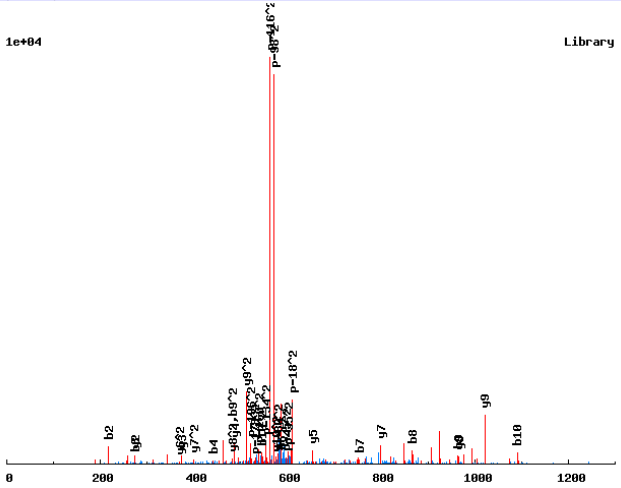


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
217.0819	109.0446	73.0322	2	E	23	2787.1036	1394.0555	**929.7061**
274.1034	137.5553	92.0393	3	G	22	2658.0610	**1329.5342**	**886.6919**
403.1459	202.0766	135.0535	4	E	21	2601.0396	**1301.0234**	867.6847
584.1600	292.5836	195.3915	5	T[181]	20	2471.9970	**1236.5021**	824.6705
751.1583	376.0828	251.0576	6	S[167]	19	2290.9830	**1145.9951**	764.3325
880.2009	440.6041	294.0718	7	E	18	2123.9846	**1062.4959**	708.6664
995.2279	498.1176	332.4141	8	D	17	1994.9420	**997.9746**	665.6522
1124.2704	562.6389	375.4283	9	E	16	1879.9151	**940.4612**	627.3099
1239.2974	620.1523	413.7706	10	D	15	1750.8725	**875.9399**	**584.2957**
1368.3400	684.6736	456.7848	11	E	14	1635.8455	**818.4264**	545.9534
1515.4084	758.2078	**505.8076**	12	F	13	1506.8030	**753.9051**	502.9392
1630.4353	**815.7213**	544.1500	13	D	12	1359.7345	**680.3709**	453.9164
1759.4779	**880.2426**	587.1642	14	E	11	1244.7076	**622.8574**	415.5741
1895.5871	948.2972	632.5339	15	K[136]	10	**1115.6650**	**558.3361**	372.5599
2009.6300	**1005.3186**	670.5482	16	N	9	**979.5559**	**490.2816**	327.1901
2106.6828	**1053.8450**	702.8991	17	P	8	**865.5129**	**433.2601**	289.1758
2177.7199	**1089.3636**	**726.5781**	18	A	7	**768.4602**	384.7337	256.8249
2290.8039	**1145.9056**	764.2728	19	I	6	**697.4231**	349.2152	233.1459
2389.8723	**1195.4398**	797.2956	20	V	5	**584.3390**	292.6731	195.4512
2517.9309	1259.4691	839.9818	21	Q	4	**485.2706**	243.1389	162.4284
2618.9786	1309.9929	873.6644	22	T	3	357.2120	179.1096	119.7422
2690.0157	1345.5115	**897.3434**	23	A	2	256.1643	128.5858	86.0596
			24	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SEGS$_{167}$GSS$_{167}$LVQK.G/2

0.992

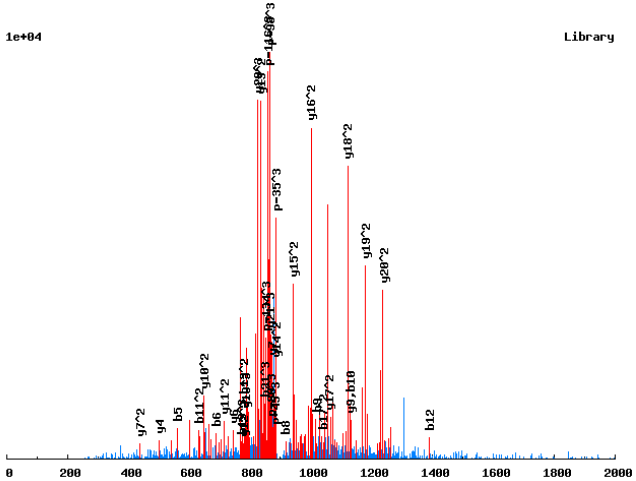


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
217.0819	109.0446	2	E	10	1151.4381	**576.2227**
274.1034	137.5553	3	G	9	**1022.3955**	**511.7014**
441.1017	221.0545	4	S[167]	8	**965.3741**	**483.1907**
498.1232	249.5652	5	G	7	**798.3757**	**399.6915**
585.1552	293.0812	6	S	6	741.3542	**371.1808**
752.1536	376.5804	7	S[167]	5	**654.3222**	327.6647
865.2376	433.1225	8	L	4	**487.3238**	244.1656
964.3060	**482.6567**	9	V	3	**374.2398**	187.6235
1092.3646	**546.6860**	10	Q	2	**275.1714**	138.0893
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SENNDQNDVDEES$_{167}$EEKEIEQVK.S/3

0.9979

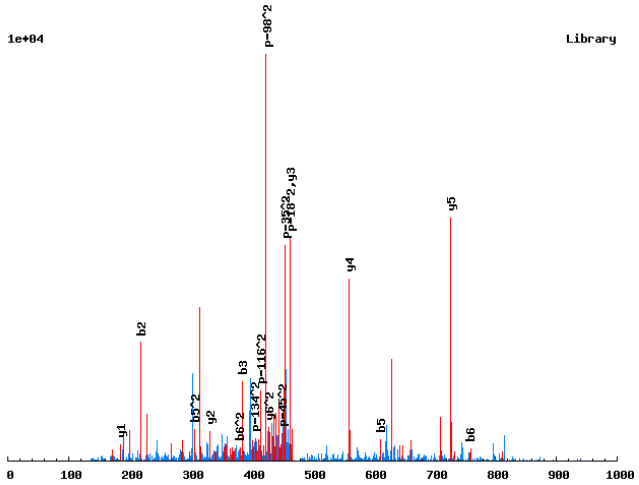


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	22			
217.0819	109.0446	73.0322	2	E	21	2600.0519	1300.5296	**867.3555**
331.1248	166.0661	111.0465	3	N	20	2471.0093	**1236.0083**	**824.3413**
445.1678	223.0875	149.0608	4	N	19	2356.9664	**1178.9868**	**786.3270**
560.1947	280.6010	187.4031	5	D	18	2242.9235	**1121.9654**	748.3127
688.2533	344.6303	230.0893	6	Q	17	2127.8965	**1064.4519**	709.9704
802.2962	401.6517	268.1036	7	N	16	1999.8379	**1000.4226**	667.2842
917.3231	459.1652	306.4459	8	D	15	1885.7950	**943.4011**	629.2699
1016.3916	508.6994	339.4687	9	V	14	1770.7681	**885.8877**	590.9275
1131.4185	566.2129	377.8110	10	D	13	1671.6997	**836.3535**	557.9047
1260.4611	**630.7342**	420.8252	11	E	12	1556.6727	**778.8400**	519.5624
1389.5037	695.2555	463.8394	12	E	11	1427.6301	**714.3187**	476.5482
1556.5020	**778.7547**	519.5055	13	S[167]	10	1298.5875	**649.7974**	433.5340
1685.5446	843.2760	562.5197	14	E	9	**1131.5892**	566.2982	377.8679
1814.5872	907.7973	605.5339	15	E	8	1002.5466	501.7769	334.8537
1942.6822	971.8447	648.2322	16	K	7	**873.5040**	**437.2556**	291.8395
2071.7248	**1036.3660**	691.2464	17	E	6	**745.4090**	373.2082	249.1412
2184.8088	1092.9081	728.9411	18	I	5	616.3664	308.6869	206.1270
2313.8514	1157.4294	**771.9553**	19	E	4	**503.2824**	252.1448	168.4323
2441.9100	1221.4586	814.6415	20	Q	3	374.2398	187.6235	125.4181
2540.9784	1270.9928	**847.6643**	21	V	2	246.1812	123.5942	82.7319
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.SES$_{167}$PMFR$_{166}$.S/2

0.8831

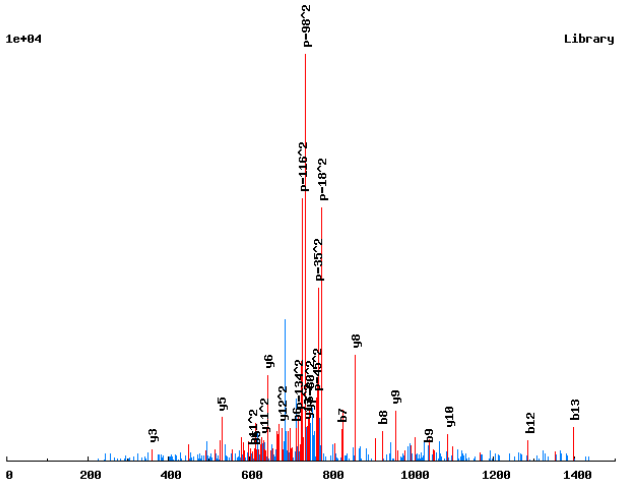


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	7		
217.0819	109.0446	2	E	6	856.3298	**428.6686**
384.0803	192.5438	3	S[167]	5	**727.2872**	364.1473
481.1330	241.0702	4	P	4	**560.2889**	280.6481
612.1735	**306.5904**	5	M	3	**463.2361**	232.1217
759.2419	**380.1246**	6	F	2	**332.1956**	166.6015
		7	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.SEST$_{181}$EVDVDGNAIR.E/2

0.9974

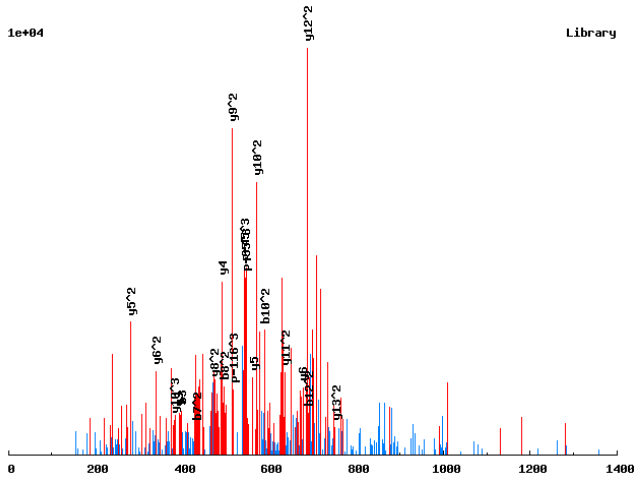


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	14		
217.0819	109.0446	2	E	13	1484.6264	**742.8169**
304.1139	152.5606	3	S	12	1355.5838	**678.2956**
485.1279	243.0676	4	T[181]	11	1268.5518	**634.7795**
614.1705	307.5889	5	E	10	**1087.5378**	544.2725
713.2389	357.1231	6	V	9	**958.4952**	479.7512
828.2659	414.6366	7	D	8	**859.4268**	430.2170
927.3343	464.1708	8	V	7	**744.3999**	372.7036
1042.3612	521.6843	9	D	6	**645.3315**	323.1694
1099.3827	550.1950	10	G	5	**530.3045**	265.6559
1213.4256	**607.2165**	11	N	4	473.2830	237.1452
1284.4627	642.7350	12	A	3	**359.2401**	180.1237
1397.5468	699.2770	13	I	2	288.2030	144.6051
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

M.S$_{167}$ETELSK$_{136}$EDAVTK$_{136}$K$_{136}$.D/3

0.8055

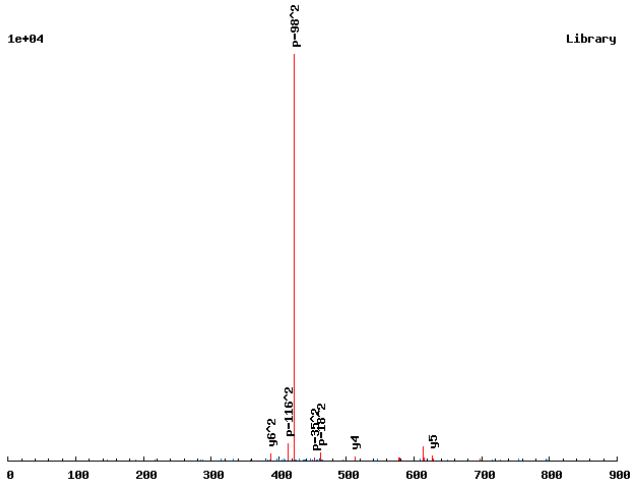


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	**1**	**S[167]**	**14**			
297.0482	149.0278	99.6876	**2**	**E**	**13**	1501.8170	**751.4121**	501.2772
398.0959	199.5516	133.3702	**3**	**T**	**12**	1372.7744	**686.8908**	458.2630
527.1385	264.0729	176.3844	**4**	**E**	**11**	1271.7267	**636.3670**	424.5804
640.2226	320.6149	214.0790	**5**	**L**	**10**	1142.6841	**571.8457**	**381.5662**
727.2546	364.1309	243.0897	**6**	**S**	**9**	1029.6001	**515.3037**	343.8715
863.3637	**432.1855**	288.4594	**7**	**K[136]**	**8**	942.5680	**471.7877**	314.8609
992.4063	**496.7068**	331.4736	**8**	**E**	**7**	806.4589	403.7331	269.4911
1107.4333	554.2203	369.8159	**9**	**D**	**6**	**677.4163**	**339.2118**	226.4770
1178.4704	**589.7388**	393.4950	**10**	**A**	**5**	**562.3894**	**281.6983**	188.1346
1277.5388	639.2730	426.5178	**11**	**V**	**4**	**491.3522**	246.1798	164.4556
1378.5865	**689.7969**	460.2003	**12**	**T**	**3**	**392.2838**	196.6456	131.4328
1514.6956	757.8515	505.5701	**13**	**K[136]**	**2**	291.2362	146.1217	97.7502
			14	**K[136]**	**1**	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

M.S$_{167}$FDDLHK.A/2

0.6844

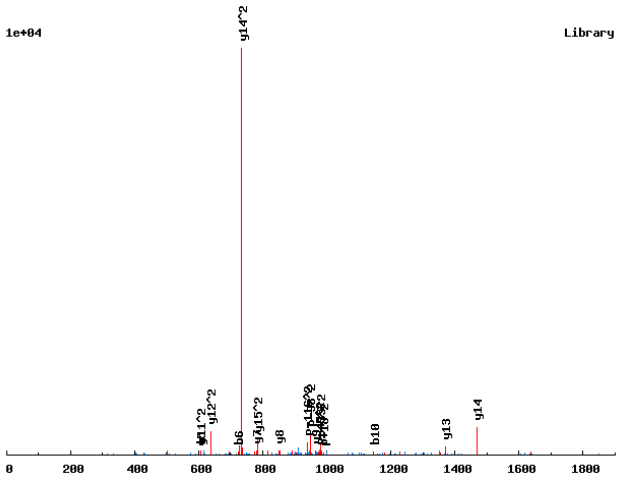


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	7		
315.0741	158.0407	2	F	6	774.3781	**387.6927**
430.1010	215.5541	3	D	5	**627.3097**	314.1585
545.1279	273.0676	4	D	4	**512.2827**	256.6450
658.2120	329.6096	5	L	3	397.2558	199.1315
795.2709	398.1391	6	H	2	284.1717	142.5895
		7	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$FDVPPPPIDASSPFSQK.G/2

0.9995

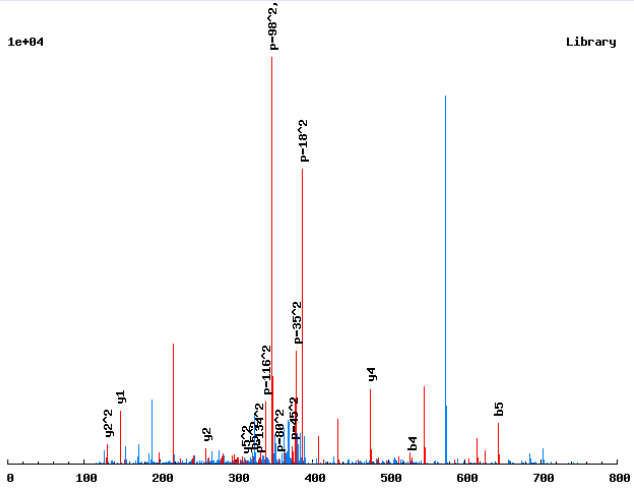


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	18		
315.0741	158.0407	2	F	17	1828.9116	914.9594
430.1010	215.5541	3	D	16	1681.8431	841.4252
529.1694	265.0883	4	V	15	1566.8162	**783.9117**
626.2222	313.6147	5	P	14	**1467.7478**	**734.3775**
723.2749	362.1411	6	P	13	**1370.6950**	685.8512
820.3277	410.6675	7	P	12	1273.6423	**637.3248**
917.3804	459.1939	8	P	11	1176.5895	588.7984
1030.4645	515.7359	9	I	10	1079.5367	540.2720
1145.4914	573.2494	10	D	9	**966.4527**	483.7300
1216.5286	**608.7679**	11	A	8	**851.4258**	426.2165
1303.5606	652.2839	12	S	7	**780.3886**	390.6980
1390.5926	695.7999	13	S	6	693.3566	347.1819
1487.6454	744.3263	14	P	5	**606.3246**	303.6659
1634.7138	817.8605	15	F	4	509.2718	255.1395
1721.7458	861.3765	16	S	3	362.2034	181.6053
1849.8044	925.4058	17	Q	2	275.1714	138.0893
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$FESLK.R/2

0.9393

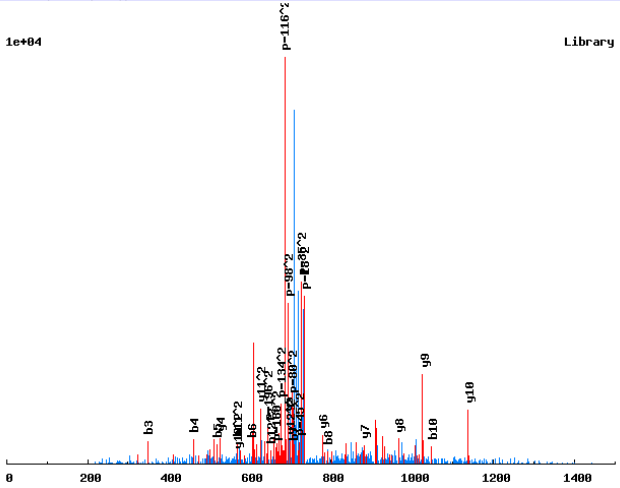


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	6		
315.0741	158.0407	2	F	5	623.3399	**312.1736**
444.1166	222.5620	3	E	4	**476.2715**	238.6394
531.1487	266.0780	4	S	3	**347.2289**	174.1181
644.2327	**322.6200**	5	L	2	**260.1969**	**130.6021**
		6	K	1	**147.1128**	74.0600

Annotated spectra from Saleem et. al. 2009

K.SFLLGSTSS$_{167}$SSS$_{167}$R$_{166}$.R/2

0.6128

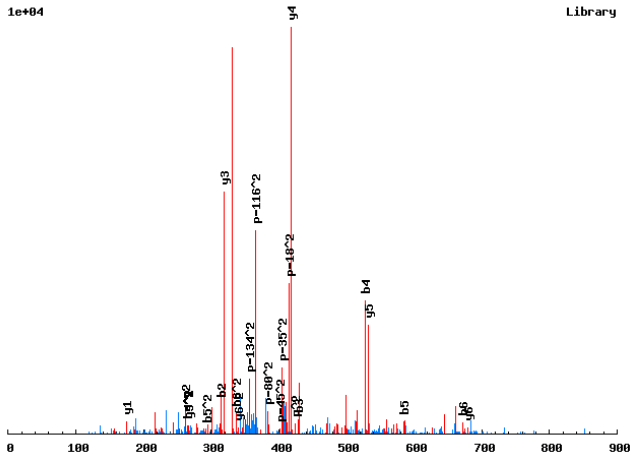


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
235.1077	118.0575	2	F	12	1398.5577	**699.7825**
348.1918	174.5995	3	L	11	1251.4893	**626.2483**
461.2758	231.1416	4	L	10	**1138.4053**	**569.7063**
518.2973	259.6523	5	G	9	**1025.3212**	513.1642
605.3293	303.1683	6	S	8	**968.2997**	484.6535
706.3770	353.6921	7	T	7	**881.2677**	441.1375
793.4090	397.2082	8	S	6	**780.2200**	390.6137
960.4074	480.7073	9	S[167]	5	**693.1880**	347.0976
1047.4394	524.2234	10	S	4	**526.1896**	263.5985
1134.4715	**567.7394**	11	S	3	439.1576	220.0824
1301.4698	**651.2386**	12	S[167]	2	352.1256	176.5664
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$FNVGSR.F/2

0.9828

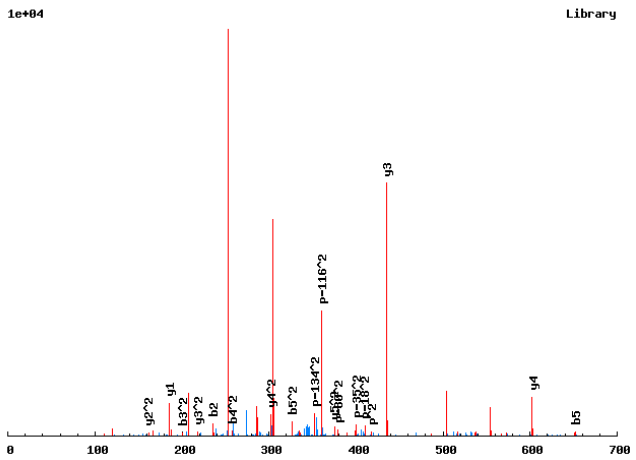


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	7		
315.0741	158.0407	2	F	6	679.3522	340.1797
429.1170	215.0621	3	N	5	532.2838	266.6455
528.1854	264.5963	4	V	4	418.2408	209.6241
585.2069	293.1071	5	G	3	319.1724	160.0899
672.2389	336.6231	6	S	2	262.1510	131.5791
		7	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SFS$_{167}$LHR$_{166}$.M/2

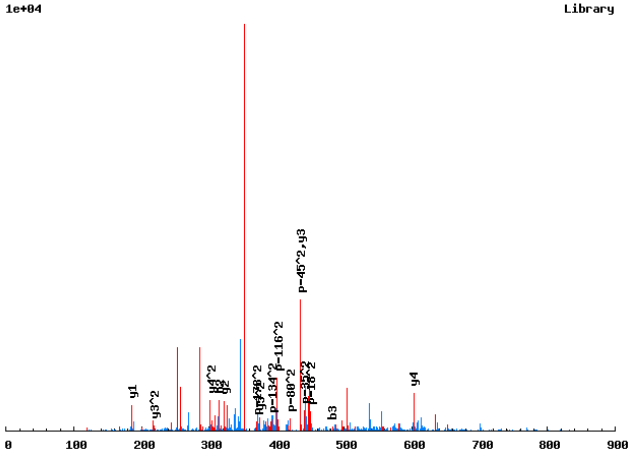
0.9884



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	6		
235.1077	118.0575	2	F	5	749.3370	**375.1721**
402.1061	**201.5567**	3	S[167]	4	**602.2686**	**301.6379**
515.1901	**258.0987**	4	L	3	**435.2702**	**218.1387**
652.2491	**326.6282**	5	H	2	322.1861	**161.5967**
		6	R[166]	1	**185.1272**	93.0672

R.S$_{167}$FS$_{167}$LHR$_{166}$.M/2

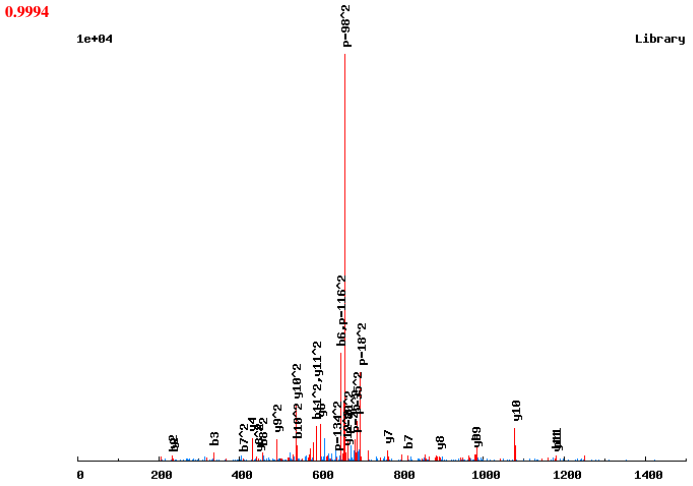
0.898



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	6		
315.0741	158.0407	2	F	5	749.3370	**375.1721**
482.0724	241.5398	3	S[167]	4	**602.2686**	**301.6379**
595.1565	298.0819	4	L	3	**435.2702**	**218.1387**
732.2154	366.6113	5	H	2	**322.1861**	161.5967
		6	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.SFTPSKS$_{167}$PAPVSK.K/2

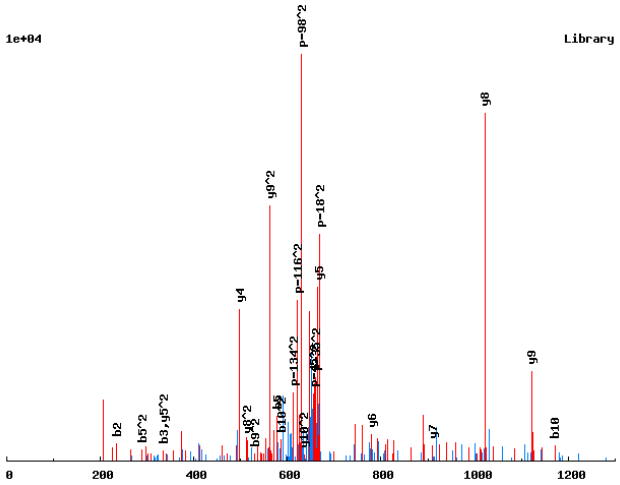


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
235.1077	118.0575	2	F	12	1325.6501	**663.3287**
336.1554	168.5813	3	T	11	**1178.5817**	**589.7945**
433.2082	217.1077	4	P	10	**1077.5340**	**539.2706**
520.2402	260.6237	5	S	9	**980.4812**	**490.7443**
648.3351	324.6712	6	K	8	**893.4492**	**447.2282**
815.3335	**408.1704**	7	S[167]	7	**765.3542**	383.1808
912.3863	**456.6968**	8	P	6	**598.3559**	299.6816
983.4234	492.2153	9	A	5	501.3031	251.1552
1080.4761	**540.7417**	10	P	4	**430.2660**	215.6366
1179.5446	**590.2759**	11	V	3	333.2132	167.1103
1266.5766	633.7919	12	S	2	**234.1448**	117.5761
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SFVDENS$_{167}$PTDR$_{166}$.R/2

0.9876

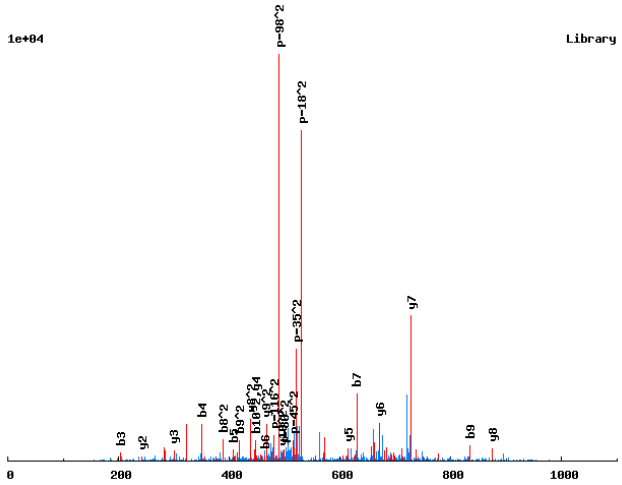


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
235.1077	118.0575	2	F	10	1269.5022	**635.2548**
334.1761	167.5917	3	V	9	**1122.4338**	**561.7206**
449.2031	225.1052	4	D	8	**1023.3654**	**512.1864**
578.2457	**289.6265**	5	E	7	**908.3385**	454.6729
692.2886	346.6479	6	N	6	**779.2959**	390.1516
859.2870	430.1471	7	S[167]	5	**665.2530**	**333.1301**
956.3397	478.6735	8	P	4	**498.2546**	249.6309
1057.3874	**529.1973**	9	T	3	401.2018	201.1046
1172.4143	**586.7108**	10	D	2	300.1542	150.5807
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SGGFGGS$_{167}$FGGR$_{166}$.S/2

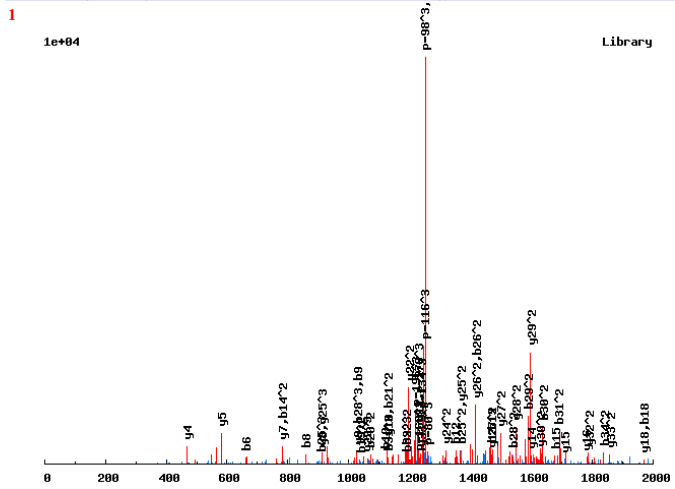
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
145.0608	73.0340	2	G	10	988.3912	**494.6992**
202.0822	101.5448	3	G	9	931.3697	**466.1885**
349.1506	175.0790	4	F	8	**874.3482**	**437.6778**
406.1721	203.5897	5	G	7	**727.2798**	364.1436
463.1936	232.1004	6	G	6	**670.2584**	335.6328
630.1919	315.5996	7	S[167]	5	**613.2369**	307.1221
777.2603	**389.1338**	8	F	4	**446.2385**	223.6229
834.2818	**417.6445**	9	G	3	**299.1701**	150.0887
891.3033	**446.1553**	10	G	2	**242.1487**	121.5780
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SGHET$_{181}$APVS$_{167}$PVEDPLHASTALENETTIETVNPSVR$_{166}$.S/3

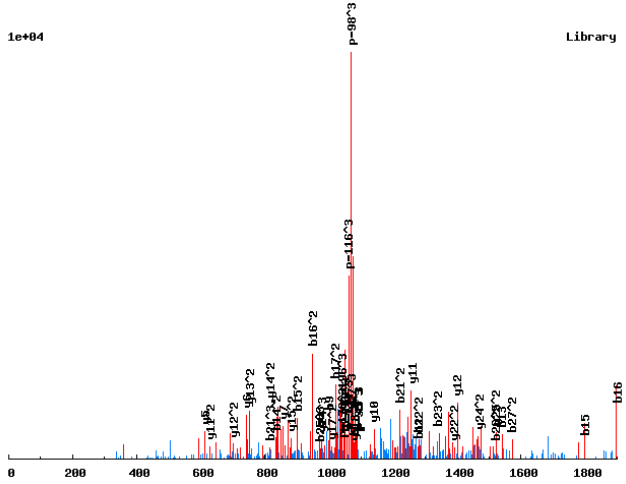


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	35			
145.0608	73.0340	49.0251	2	G	34	3767.7076	1884.3574	1256.5741
282.1197	141.5635	94.7114	3	H	33	3710.6861	**1855.8467**	**1237.5669**
411.1623	206.0848	137.7256	4	E	32	3573.6272	**1787.3173**	1191.8806
592.1763	296.5918	198.0636	5	T[181]	31	3444.5846	1722.7960	1148.8664
663.2134	332.1103	221.7427	6	A	30	3263.5706	**1632.2889**	1088.5284
760.2662	380.6367	254.0936	7	P	29	3192.5335	**1596.7704**	**1064.8494**
859.3346	430.1709	287.1164	8	V	28	3095.4807	**1548.2440**	1032.4984
1026.3329	513.6701	342.7825	9	S[167]	27	2996.4123	**1498.7098**	999.4756
1123.3857	562.1965	375.1334	10	P	26	2829.4140	**1415.2106**	943.8095
1222.4541	611.7307	408.1562	11	V	25	2732.3612	**1366.6842**	**911.4586**
1351.4967	676.2520	451.1704	12	E	24	2633.2928	**1317.1500**	878.4358
1466.5236	733.7655	489.5127	13	D	23	2504.2502	**1252.6287**	835.4216
1563.5764	**782.2918**	521.8636	14	P	22	2389.2233	**1195.1153**	797.0793
1676.6604	838.8339	559.5583	15	L	21	2292.1705	1146.5889	764.7284
1813.7194	907.3633	605.2446	16	H	20	2179.0865	1090.0469	727.0337
1884.7565	942.8819	628.9237	17	A	19	2042.0275	1021.5174	681.3474
1971.7885	986.3979	657.9344	18	S	18	**1970.9904**	985.9989	657.6683
2072.8362	**1036.9217**	691.6169	19	T	17	1883.9584	942.4828	628.6577
2143.8733	**1072.4403**	715.2959	20	A	16	**1782.9107**	891.9590	594.9751
2256.9573	**1128.9823**	752.9906	21	L	15	**1711.8736**	856.4404	571.2961
2385.9999	**1193.5036**	796.0048	22	E	14	**1598.7896**	799.8984	533.6014
2500.0429	1250.5251	834.0191	23	N	13	**1469.7470**	735.3771	490.5872
2629.0855	1315.0464	877.0333	24	E	12	1355.7040	678.3557	452.5729
2730.1331	**1365.5702**	**910.7159**	25	T	11	**1226.6614**	613.8344	409.5587
2831.1808	**1416.0940**	944.3985	26	T	10	**1125.6138**	563.3105	375.8761
2944.2649	**1472.6361**	982.0931	27	I	9	**1024.5661**	512.7867	342.1935
3073.3075	**1537.1574**	**1025.1073**	28	E	8	**911.4820**	456.2447	304.4989
3174.3551	**1587.6812**	1058.7899	29	T	7	**782.4394**	391.7234	261.4847
3273.4236	**1637.2154**	1091.8127	30	V	6	681.3918	341.1995	227.8021
3387.4665	**1694.2369**	**1129.8270**	31	N	5	**582.3233**	291.6653	194.7793
3484.5192	1742.7633	1162.1779	32	P	4	**468.2804**	234.6438	156.7650
3571.5513	1786.2793	**1191.1886**	33	S	3	371.2277	186.1175	124.4141
3670.6197	**1835.8135**	1224.2114	34	V	2	284.1956	142.6015	95.4034
			35	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SGNISGDEY$_{243}$LS$_{167}$QEEEVFDGNDIENNETK$_{136}$.V/3

0.9823

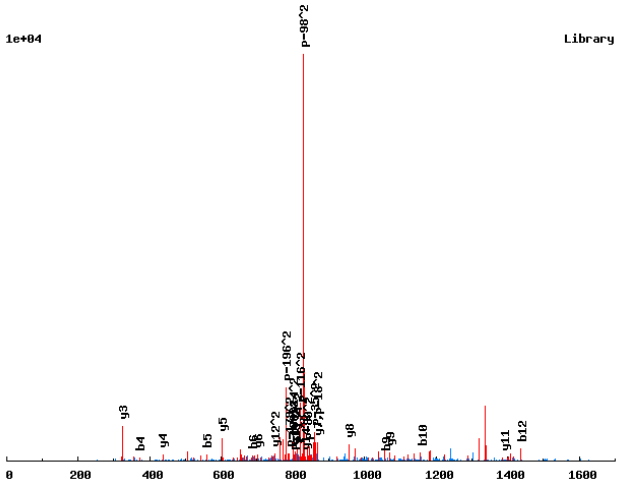


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	28			
145.0608	73.0340	49.0251	2	G	27	3213.2548	1607.1310	**1071.7564**
259.1037	130.0555	87.0394	3	N	26	3156.2333	1578.6203	1052.7493
372.1878	186.5975	124.7341	4	I	25	3042.1904	**1521.5988**	1014.7350
459.2198	230.1135	153.7448	5	S	24	2929.1063	**1465.0568**	**977.0403**
516.2413	258.6243	172.7519	6	G	23	2842.0743	1421.5408	948.0296
631.2682	316.1377	211.0943	7	D	22	2785.0528	**1393.0301**	929.0225
760.3108	380.6590	254.1084	8	E	21	2670.0259	1335.5166	890.6802
1003.3404	502.1739	335.1183	9	Y[243]	20	2540.9833	1270.9953	847.6660
1116.4245	558.7159	372.8130	10	L	19	2297.9536	1149.4805	766.6561
1283.4229	642.2151	428.4791	11	S[167]	18	2184.8696	1092.9384	728.9614
1411.4814	706.2444	471.1653	12	Q	17	2017.8712	**1009.4392**	673.2953
1540.5240	770.7657	514.1795	13	E	16	1889.8126	945.4100	630.6091
1669.5666	**835.2870**	557.1937	14	E	15	1760.7700	**880.8887**	587.5949
1798.6092	**899.8082**	600.2079	15	E	14	1631.7275	**816.3674**	544.5807
1897.6776	**949.3425**	633.2307	16	V	13	1502.6849	**751.8461**	501.5665
2044.7460	**1022.8767**	682.2535	17	F	12	**1403.6165**	**702.3119**	468.5437
2159.7730	**1080.3901**	720.5958	18	D	11	**1256.5480**	**628.7777**	419.5209
2216.7944	1108.9009	739.6030	19	G	10	**1141.5211**	571.2642	381.1786
2330.8374	1165.9223	777.6173	20	N	9	**1084.4996**	542.7535	362.1714
2445.8643	**1223.4358**	**815.9596**	21	D	8	**970.4567**	485.7320	324.1571
2558.9484	**1279.9778**	853.6543	22	I	7	**855.4298**	428.2185	285.8148
2687.9910	**1344.4991**	896.6685	23	E	6	**742.3457**	371.6765	248.1201
2802.0339	1401.5206	934.6828	24	N	5	**613.3031**	307.1552	205.1059
2916.0768	1458.5420	**972.6971**	25	N	4	499.2602	250.1337	167.0916
3045.1194	**1523.0633**	1015.7113	26	E	3	385.2173	193.1123	129.0773
3146.1671	**1573.5872**	**1049.3939**	27	T	2	256.1747	128.5910	86.0631
			28	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.SGNNWQDSS$_{167}$VS$_{167}$LPAK$_{136}$.A/2

0.9966

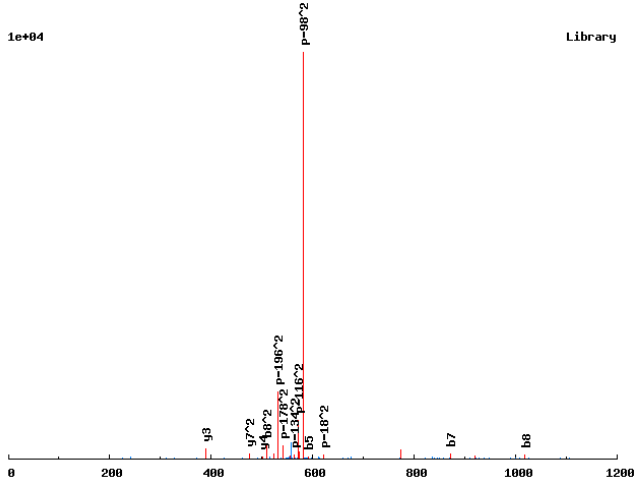


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	15		
145.0608	73.0340	2	G	14	1670.6702	**835.8388**
259.1037	130.0555	3	N	13	1613.6488	**807.3280**
373.1466	187.0770	4	N	12	1499.6059	**750.3066**
559.2259	280.1166	5	W	11	**1385.5629**	693.2851
687.2845	344.1459	6	Q	10	1199.4836	600.2454
802.3115	401.6594	7	D	9	**1071.4250**	536.2162
889.3435	445.1754	8	S	8	**956.3981**	478.7027
1056.3419	528.6746	9	S[167]	7	**869.3661**	435.1867
1155.4103	578.2088	10	V	6	**702.3677**	351.6875
1322.4086	661.7080	11	S[167]	5	**603.2993**	302.1533
1435.4927	718.2500	12	L	4	**436.3009**	218.6541
1532.5454	766.7764	13	P	3	**323.2169**	162.1121
1603.5826	**802.2949**	14	A	2	226.1641	113.5857
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$GSLR$_{166}$S$_{167}$IFSK$_{136}$.S/2

0.8475

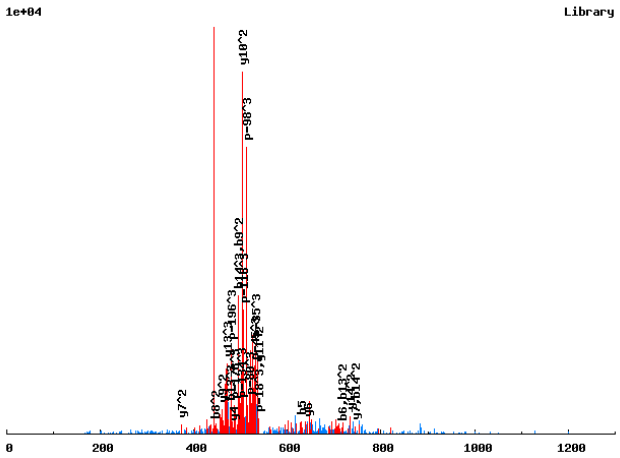


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
225.0271	113.0172	2	G	9	1092.5568	546.7820
312.0591	156.5332	3	S	8	1035.5353	518.2713
425.1432	213.0752	4	L	7	948.5033	**474.7553**
591.2526	296.1299	5	R[166]	6	835.4192	418.2133
758.2509	379.6291	6	S[167]	5	669.3099	335.1586
871.3350	436.1711	7	I	4	**502.3115**	251.6594
1018.4034	**509.7053**	8	F	3	**389.2274**	195.1174
1105.4354	553.2214	9	S	2	242.1590	121.5832
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$GS$_{167}$S$_{167}$ASSSTTGS$_{167}$NGK.N/3

0.8486

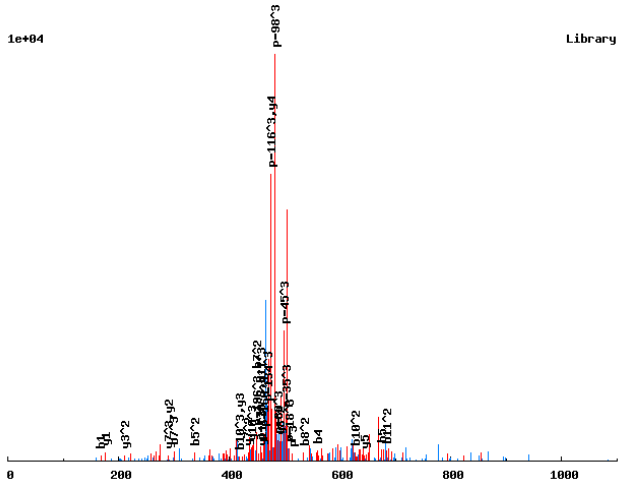


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	15			
225.0271	113.0172	75.6806	2	G	14	1467.4438	**734.2255**	489.8194
392.0255	196.5164	131.3467	3	S[167]	13	1410.4223	705.7148	**470.8123**
559.0238	280.0156	187.0128	4	S[167]	12	1243.4239	622.2156	415.1462
630.0609	315.5341	210.6918	5	A	11	1076.4256	**538.7164**	359.4800
717.0930	359.0501	239.7025	6	S	10	1005.3885	**503.1979**	335.8010
804.1250	402.5661	268.7132	7	S	9	918.3564	**459.6819**	306.7903
891.1570	**446.0822**	297.7239	8	S	8	831.3244	416.1658	277.7797
992.2047	**496.6060**	331.4064	9	T	7	**744.2924**	**372.6498**	248.7690
1093.2524	547.1298	365.0890	10	T	6	**643.2447**	322.1260	215.0864
1150.2738	575.6406	384.0961	11	G	5	542.1970	271.6021	181.4039
1317.2722	659.1397	439.7623	12	S[167]	4	**485.1756**	243.0914	162.3967
1431.3151	**716.1612**	**477.7766**	13	N	3	318.1772	159.5922	106.7306
1488.3366	**744.6719**	**496.7837**	14	G	2	204.1343	102.5708	68.7163
			15	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$GS$_{167}$S$_{167}$DGS$_{167}$S$_{167}$GKDR.N/3

0.5816

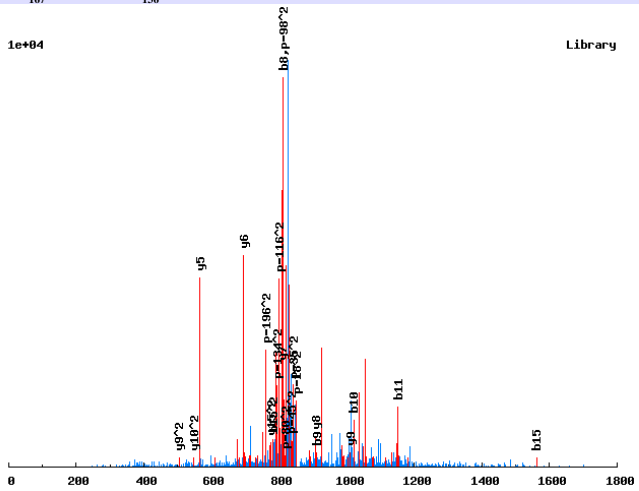


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	**1**	**S[167]**	**12**			
225.0271	113.0172	75.6806	**2**	**G**	**11**	1372.3256	686.6664	**458.1134**
392.0255	196.5164	131.3467	**3**	**S[167]**	**10**	1315.3042	658.1557	**439.1062**
559.0238	280.0156	187.0128	**4**	**S[167]**	**9**	1148.3058	574.6565	383.4401
674.0508	**337.5290**	225.3551	**5**	**D**	**8**	981.3074	**491.1574**	327.7740
731.0722	366.0398	244.3623	**6**	**G**	**7**	866.2805	**433.6439**	**289.4317**
898.0706	**449.5389**	**300.0284**	**7**	**S[167]**	**6**	809.2590	405.1332	270.4245
1065.0689	**533.0381**	355.6945	**8**	**S[167]**	**5**	**642.2607**	321.6340	214.7584
1122.0904	561.5488	374.7017	**9**	**G**	**4**	**475.2623**	238.1348	159.0923
1250.1854	**625.5963**	**417.4000**	**10**	**K**	**3**	**418.2408**	**209.6241**	140.0851
1365.2123	**683.1098**	**455.7423**	**11**	**D**	**2**	**290.1459**	145.5766	97.3868
			12	**R**	**1**	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$GSSGS$_{167}$STVIEPSNIK$_{136}$.L/2

0.9929

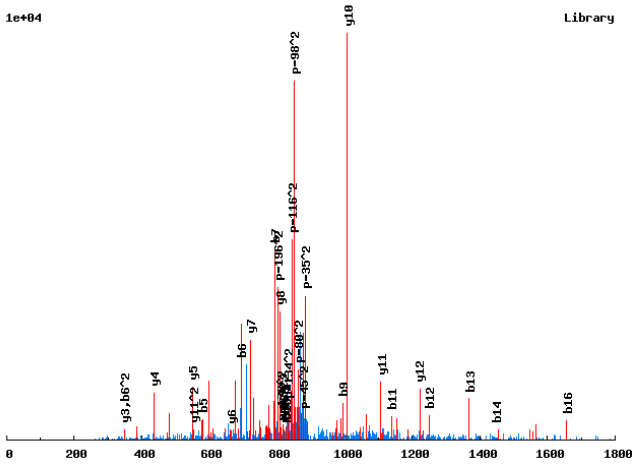


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	16		
225.0271	113.0172	2	G	15	1550.7189	**775.8631**
312.0591	156.5332	3	S	14	1493.6974	747.3524
399.0912	200.0492	4	S	13	1406.6654	703.8363
456.1126	228.5600	5	G	12	1319.6334	660.3203
623.1110	312.0591	6	S[167]	11	1262.6119	631.8096
710.1430	355.5751	7	S	10	1095.6135	**548.3104**
811.1907	406.0990	8	T	9	**1008.5815**	**504.7944**
910.2591	455.6332	9	V	8	**907.5338**	454.2706
1023.3432	512.1752	10	I	7	**808.4654**	404.7364
1152.3858	576.6965	11	E	6	**695.3814**	348.1943
1249.4385	625.2229	12	P	5	**566.3388**	283.6730
1336.4705	668.7389	13	S	4	469.2860	235.1466
1450.5135	725.7604	14	N	3	382.2540	191.6306
1563.5975	**782.3024**	15	I	2	268.2111	134.6092
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$GSS$_{167}$TDVLSSGIDSMAK.N/2

0.9999

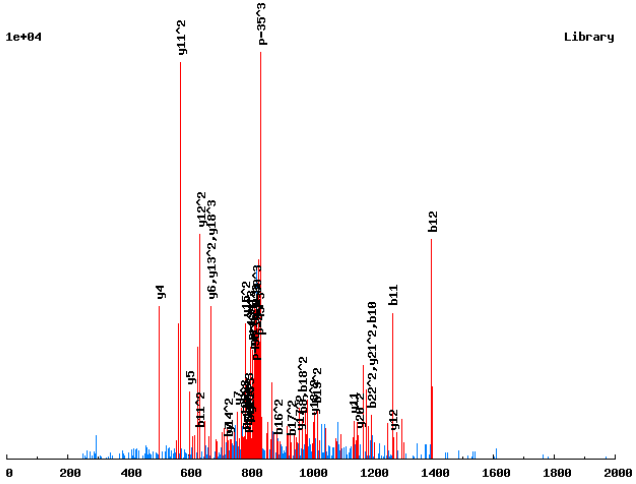


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	17		
225.0271	113.0172	2	G	16	1634.6979	**817.8526**
312.0591	156.5332	3	S	15	1577.6764	789.3419
479.0575	240.0324	4	S[167]	14	1490.6444	745.8258
580.1052	290.5562	5	T	13	1323.6460	662.3267
695.1321	**348.0697**	6	D	12	**1222.5984**	611.8028
794.2005	397.6039	7	V	11	**1107.5714**	**554.2893**
907.2846	454.1459	8	L	10	**1008.5030**	504.7551
994.3166	497.6619	9	S	9	895.4189	448.2131
1081.3486	541.1780	10	S	8	**808.3869**	404.6971
1138.3701	569.6887	11	G	7	**721.3549**	361.1811
1251.4542	626.2307	12	I	6	**664.3334**	332.6704
1366.4811	683.7442	13	D	5	**551.2494**	276.1283
1453.5131	727.2602	14	S	4	**436.2224**	218.6149
1584.5536	792.7805	15	M	3	**349.1904**	175.0988
1655.5907	**828.2990**	16	A	2	218.1499	109.5786
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SGST$_{181}$NSLY$_{243}$DLAQPSLSSATPQQK.N/3

0.9459

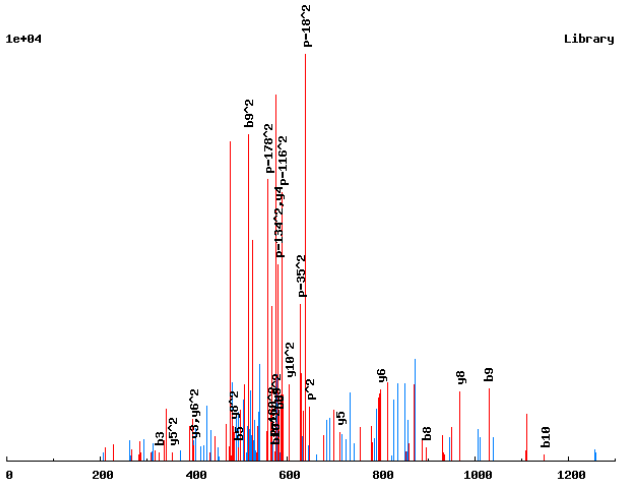


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	23			
145.0608	73.0340	49.0251	2	G	22	2453.0633	1227.0353	**818.3593**
232.0928	116.5500	78.0358	3	S	21	2396.0418	**1198.5246**	**799.3521**
413.1068	207.0570	138.3738	4	T[181]	20	2309.0098	**1155.0085**	770.3415
527.1497	264.0785	176.3881	5	N	19	2127.9958	1064.5015	710.0035
614.1818	307.5945	205.3988	6	S	18	2013.9529	**1007.4801**	**671.9891**
727.2658	364.1366	243.0935	7	L	17	1926.9208	**963.9641**	642.9785
970.2955	485.6514	324.1034	8	Y[243]	16	1813.8368	907.4220	605.2838
1085.3224	543.1649	362.4457	9	D	15	1570.8071	**785.9072**	524.2739
1198.4065	599.7069	400.1404	10	L	14	1455.7802	**728.3937**	485.9316
1269.4436	**635.2254**	423.8194	11	A	13	1342.6961	**671.8517**	448.2369
1397.5022	699.2547	466.5056	12	Q	12	**1271.6590**	**636.3331**	424.5579
1494.5549	747.7811	498.8565	13	P	11	**1143.6004**	**572.3039**	381.8717
1581.5870	**791.2971**	527.8672	14	S	10	1046.5477	523.7775	349.5207
1694.6710	847.8392	565.5619	15	L	9	959.5156	480.2615	320.5101
1781.7031	**891.3552**	594.5725	16	S	8	846.4316	423.7194	282.8154
1868.7351	**934.8712**	623.5832	17	S	7	**759.3995**	380.2034	253.8047
1939.7722	**970.3897**	647.2623	18	A	6	**672.3675**	336.6874	224.7940
2040.8199	**1020.9136**	680.9448	19	T	5	**601.3304**	301.1688	201.1150
2137.8726	1069.4400	713.2957	20	P	4	**500.2827**	250.6450	167.4324
2265.9312	1133.4693	755.9819	21	Q	3	403.2300	202.1186	135.0815
2393.9898	**1197.4985**	**798.6681**	22	Q	2	275.1714	138.0893	92.3953
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.SGT$_{181}$GISMT$_{181}$HDK.S/2

0.7133

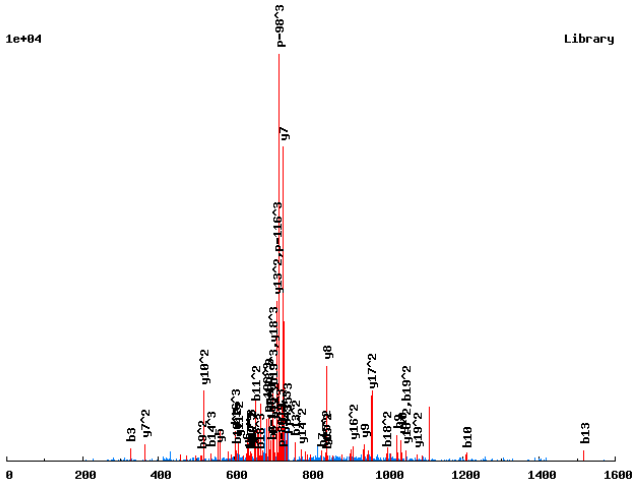


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
145.0608	73.0340	2	G	10	1206.4262	**603.7167**
326.0748	163.5410	3	T[181]	9	1149.4047	**575.2060**
383.0962	192.0518	4	G	8	**968.3907**	**484.6990**
496.1803	248.5938	5	I	7	911.3692	456.1883
583.2123	292.1098	6	S	6	**798.2852**	**399.6462**
714.2528	357.6301	7	M	5	**711.2532**	**356.1302**
895.2668	448.1371	8	T[181]	4	**580.2127**	290.6100
1032.3257	**516.6665**	9	H	3	**399.1986**	200.1030
1147.3527	**574.1800**	10	D	2	262.1397	131.5735
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SGT$_{181}$PFEKEAT$_{181}$PVLPANEAVK.D/3

0.9997

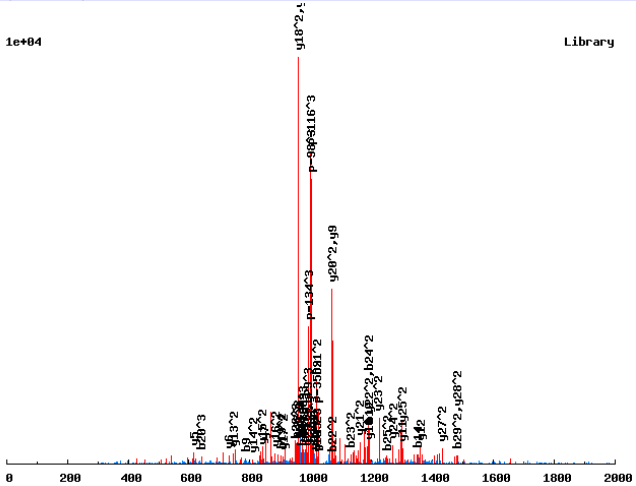


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
145.0608	73.0340	49.0251	2	G	19	2157.9868	**1079.4971**	**720.0005**
326.0748	163.5410	109.3631	3	T[181]	18	2100.9654	**1050.9863**	**700.9933**
423.1275	212.0674	141.7140	4	P	17	1919.9514	**960.4793**	**640.6553**
570.1960	285.6016	190.7368	5	F	16	1822.8986	**911.9529**	608.3044
699.2385	350.1229	233.7510	6	E	15	1675.8302	**838.4187**	559.2816
827.3335	414.1704	276.4494	7	K	14	1546.7876	**773.8974**	516.2674
956.3761	478.6917	319.4636	8	E	13	1418.6927	**709.8500**	473.5691
1027.4132	**514.2102**	343.1426	9	A	12	1289.6501	**645.3287**	430.5549
1208.4272	**604.7172**	403.4806	10	T[181]	11	1218.6130	**609.8101**	406.8758
1305.4800	**653.2436**	435.8315	11	P	10	**1037.5989**	**519.3031**	346.5378
1404.5484	**702.7778**	468.8543	12	V	9	**940.5462**	470.7767	314.1869
1517.6324	**759.3199**	506.5490	13	L	8	**841.4778**	421.2425	281.1641
1614.6852	807.8462	**538.8999**	14	P	7	**728.3937**	**364.7005**	243.4694
1685.7223	**843.3648**	562.5790	15	A	6	**631.3410**	316.1741	211.1185
1799.7652	900.3863	**600.5933**	16	N	5	**560.3038**	280.6556	187.4395
1928.8078	964.9076	**643.6075**	17	E	4	446.2609	223.6341	149.4252
1999.8449	**1000.4261**	**667.2865**	18	A	3	317.2183	159.1128	106.4110
2098.9134	**1049.9603**	**700.3093**	19	V	2	246.1812	123.5942	82.7319
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SGTST$_{181}$GSAGT$_{181}$PEPGSGEKGDDIDLDELLLK.S/3

0.9999

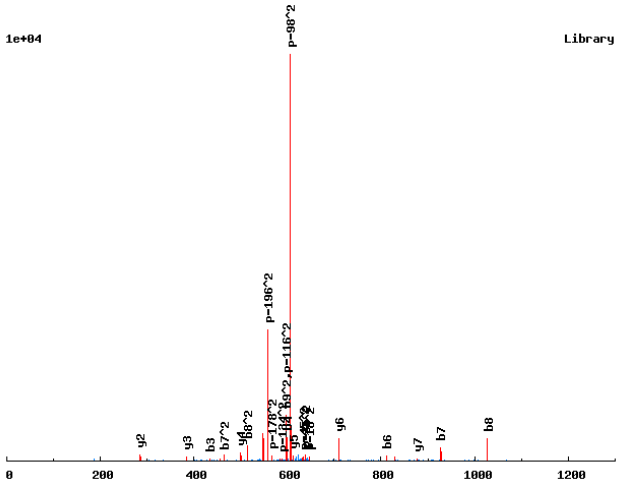


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	30			
145.0608	73.0340	49.0251	2	G	29	3019.3068	1510.1570	**1007.1071**
246.1085	123.5579	82.7077	3	T	28	2962.2853	**1481.6463**	**988.1000**
333.1405	167.0739	111.7183	4	S	27	2861.2376	**1431.1225**	**954.4174**
514.1545	257.5809	172.0564	5	T[181]	26	2774.2056	1387.6064	925.4067
571.1760	286.0916	191.0635	6	G	25	2593.1916	**1297.0994**	865.0687
658.2080	329.6076	220.0742	7	S	24	2536.1701	**1268.5887**	846.0616
729.2451	365.1262	243.7532	8	A	23	2449.1381	**1225.0727**	817.0509
786.2666	393.6369	262.7604	9	G	22	2378.1010	**1189.5541**	793.3719
967.2806	484.1439	323.0984	10	T[181]	21	2321.0795	**1161.0434**	774.3647
1064.3333	532.6703	355.4493	11	P	20	2140.0655	**1070.5364**	714.0267
1193.3759	597.1916	398.4635	12	E	19	2043.0128	**1022.0100**	681.6758
1290.4287	645.7180	430.8144	13	P	18	1913.9702	**957.4887**	638.6616
1347.4501	674.2287	449.8216	14	G	17	1816.9174	**908.9623**	606.3107
1434.4822	717.7447	478.8322	15	S	16	1759.8959	**880.4516**	587.3035
1491.5036	746.2555	497.8394	16	G	15	1672.8639	**836.9356**	558.2928
1620.5462	810.7767	540.8536	17	E	14	1615.8425	**808.4249**	539.2857
1748.6412	874.8242	583.5519	18	K	13	1486.7999	**743.9036**	496.2715
1805.6626	**903.3350**	602.5591	19	G	12	**1358.7049**	679.8561	453.5732
1920.6896	**960.8484**	**640.9014**	20	D	11	**1301.6834**	651.3454	434.5660
2035.7165	**1018.3619**	679.2437	21	D	10	**1186.6565**	593.8319	396.2237
2148.8006	**1074.9039**	716.9384	22	I	9	**1071.6296**	536.3184	357.8814
2263.8275	**1132.4174**	755.2807	23	D	8	**958.5455**	479.7764	320.1867
2376.9116	**1188.9594**	792.9754	24	L	7	**843.5186**	422.2629	281.8444
2491.9385	**1246.4729**	831.3177	25	D	6	**730.4345**	365.7209	244.1497
2620.9811	1310.9942	874.3319	26	E	5	**615.4076**	308.2074	205.8074
2734.0652	1367.5362	912.0266	27	L	4	486.3650	243.6861	162.7932
2847.1492	1424.0783	**949.7213**	28	L	3	373.2809	187.1441	125.0985
2960.2333	**1480.6203**	**987.4159**	29	L	2	260.1969	130.6021	87.4038
			30	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$HER$_{166}$PDDVS$_{167}$V.-/2

0.9999

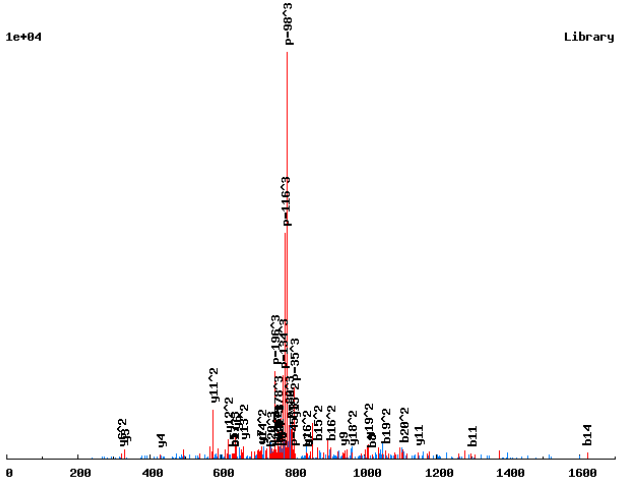


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
305.0646	153.0359	2	H	9	1143.4705	572.2389
434.1071	217.5572	3	E	8	1006.4116	503.7095
600.2165	300.6119	4	R[166]	7	**877.3690**	439.1882
697.2693	349.1383	5	P	6	**711.2597**	356.1335
812.2962	406.6518	6	D	5	**614.2069**	307.6071
927.3232	**464.1652**	7	D	4	**499.1800**	250.0936
1026.3916	**513.6994**	8	V	3	**384.1530**	192.5802
1193.3899	**597.1986**	9	S[167]	2	**285.0846**	143.0459
		10	V	1	118.0862	59.5468

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$HQSLHAT$_{181}$TSSPNNNAPIVVGR.G/3

0.9967

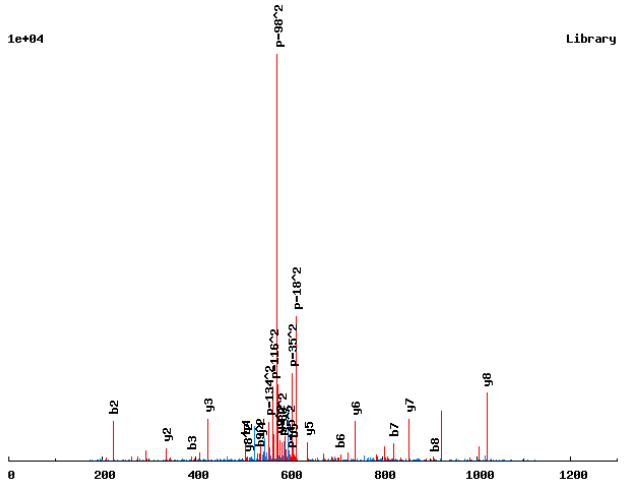


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	22			
305.0646	153.0359	102.3597	2	H	21	2280.0881	1140.5477	**760.7009**
433.1231	217.0652	145.0459	3	Q	20	2143.0292	1072.0182	715.0146
520.1552	260.5812	174.0566	4	S	19	2014.9706	**1007.9889**	672.3284
633.2392	317.1233	211.7513	5	L	18	1927.9385	**964.4729**	643.3177
770.2981	385.6527	257.4376	6	H	17	1814.8545	907.9309	605.6230
841.3352	421.1713	281.1166	7	A	16	1677.7956	**839.4014**	559.9367
1022.3493	511.6783	341.4546	8	T[181]	15	1606.7585	**803.8829**	536.2577
1123.3969	562.2021	375.1372	9	T	14	1425.7445	**713.3759**	475.9197
1210.4290	605.7181	404.1478	10	S	13	1324.6968	**662.8520**	442.2371
1297.4610	649.2341	433.1585	11	S	12	1237.6647	**619.3360**	413.2264
1394.5138	697.7605	465.5094	12	P	11	**1150.6327**	**575.8200**	384.2158
1508.5567	**754.7820**	503.5237	13	N	10	1053.5800	527.2936	351.8648
1622.5996	811.8034	541.5381	14	N	9	**939.5370**	470.2722	313.8505
1736.6425	**868.8249**	579.5524	15	N	8	825.4941	413.2507	275.8362
1807.6797	**904.3435**	603.2314	16	A	7	**711.4512**	356.2292	237.8219
1904.7324	952.8698	**635.5823**	17	P	6	**640.4141**	**320.7107**	214.1429
2017.8165	1009.4119	673.2770	18	I	5	543.3613	272.1843	181.7920
2116.8849	**1058.9461**	706.2998	19	V	4	**430.2772**	215.6423	144.0973
2215.9533	**1108.4803**	**739.3226**	20	V	3	**331.2088**	166.1080	111.0745
2272.9748	1136.9910	**758.3298**	21	G	2	232.1404	116.5738	78.0517
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SHS$_{167}$DTTLSYR.N/2

0.9989

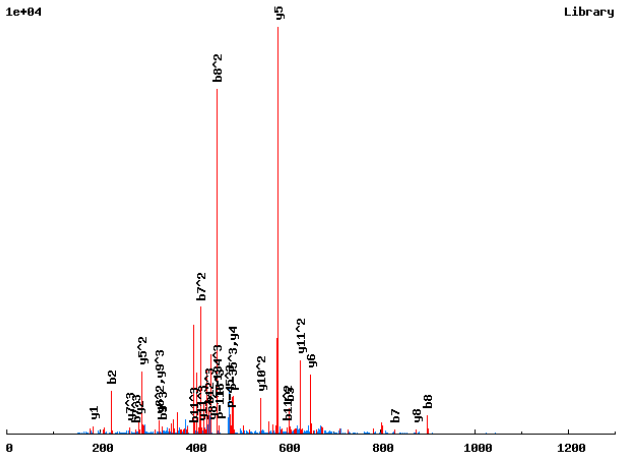


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
225.0982	113.0528	2	H	9	1159.4779	**580.2426**
392.0966	196.5519	3	S[167]	8	**1022.4190**	**511.7132**
507.1235	254.0654	4	D	7	**855.4207**	428.2140
608.1712	304.5892	5	T	6	**740.3937**	370.7005
709.2189	355.1131	6	T	5	**639.3461**	320.1767
822.3029	411.6551	7	L	4	**538.2984**	269.6528
909.3350	455.1711	8	S	3	**425.2143**	213.1108
1072.3983	**536.7028**	9	Y	2	**338.1823**	169.5948
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SHS$_{167}$LVSHAPSIPR$_{166}$.Q/3

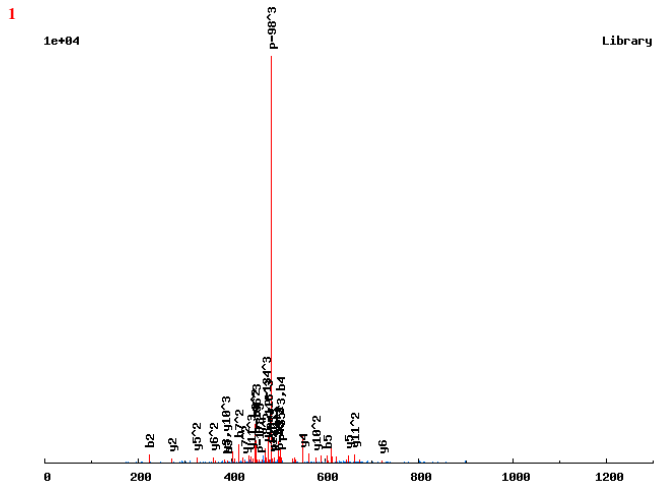
0.9891



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	13			
225.0982	113.0528	75.7043	2	H	12	1390.6866	695.8469	464.2337
392.0966	196.5519	131.3704	3	S[167]	11	1253.6277	**627.3175**	**418.5474**
505.1806	253.0940	169.0651	4	L	10	1086.6293	**543.8183**	362.8813
604.2491	302.6282	202.0879	5	V	9	973.5453	487.2763	**325.1866**
691.2811	346.1442	231.0985	6	S	8	**874.4769**	**437.7421**	292.1638
828.3400	**414.6736**	**276.7849**	7	H	7	787.4448	394.2261	**263.1531**
899.3771	**450.1922**	300.4639	8	A	6	**650.3859**	**325.6966**	217.4668
996.4299	498.7186	**332.8148**	9	P	5	**579.3488**	**290.1781**	193.7878
1083.4619	542.2346	361.8255	10	S	4	**482.2961**	241.6517	161.4369
1196.5460	**598.7766**	**399.5202**	11	I	3	395.2640	198.1357	132.4262
1293.5987	647.3030	**431.8711**	12	P	2	**282.1800**	141.5936	94.7315
			13	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.SHS$_{167}$LVSHAPS$_{167}$IPR.Q/3

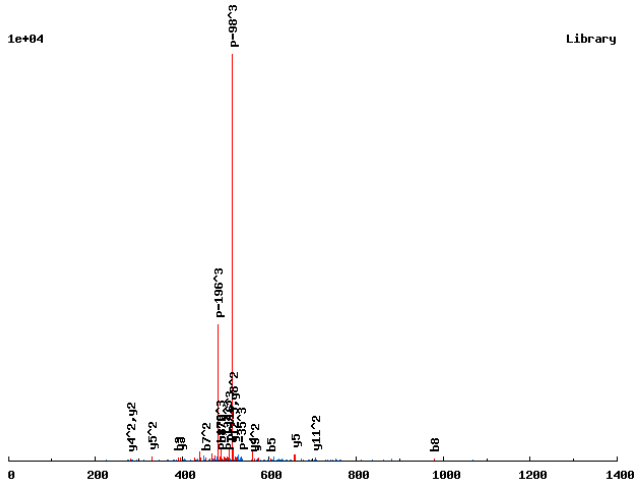


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	13			
225.0982	113.0528	75.7043	2	H	12	1460.6447	730.8260	**487.5531**
392.0966	196.5519	131.3704	3	S[167]	11	1323.5858	**662.2965**	**441.8668**
505.1806	253.0940	169.0651	4	L	10	1156.5874	**578.7973**	**386.2007**
604.2491	302.6282	202.0879	5	V	9	1043.5034	522.2553	348.5060
691.2811	346.1442	231.0985	6	S	8	944.4349	**472.7211**	315.4832
828.3400	**414.6736**	276.7849	7	H	7	857.4029	**429.2051**	286.4725
899.3771	**450.1922**	300.4639	8	A	6	**720.3440**	**360.6756**	240.7862
996.4299	**498.7186**	332.8148	9	P	5	**649.3069**	**325.1571**	217.1072
1163.4282	582.2178	388.4809	10	S[167]	4	**552.2541**	276.6307	184.7562
1276.5123	638.7598	426.1756	11	I	3	**385.2558**	193.1315	129.0901
1373.5650	687.2862	458.5265	12	P	2	**272.1717**	136.5895	91.3954
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SHS$_{167}$LVS$_{167}$HAPS$_{167}$IPR$_{166}$.Q/3

0.5836

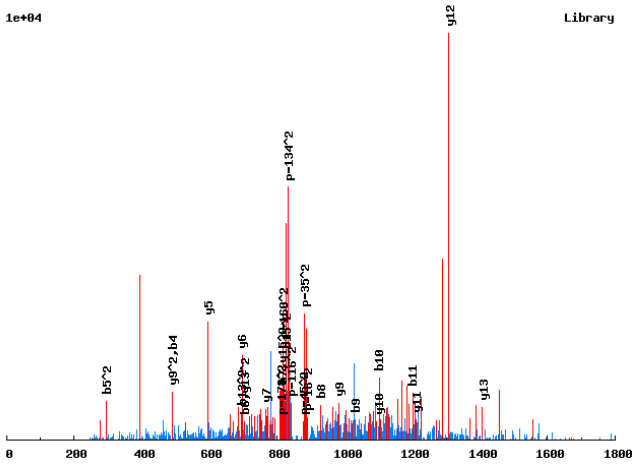


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	13			
225.0982	113.0528	75.7043	2	H	12	1550.6193	775.8133	**517.5446**
392.0966	196.5519	131.3704	3	S[167]	11	1413.5604	**707.2838**	471.8583
505.1806	253.0940	169.0651	4	L	10	1246.5620	623.7846	416.1922
604.2491	302.6282	202.0879	5	V	9	1133.4780	**567.2426**	378.4975
771.2474	386.1273	257.7540	6	S[167]	8	1034.4095	**517.7084**	345.4747
908.3063	**454.6568**	303.4403	7	H	7	867.4112	434.2092	289.8086
979.3434	**490.1754**	327.1193	8	A	6	730.3523	365.6798	244.1223
1076.3962	538.7017	359.4703	9	P	5	**659.3152**	**330.1612**	220.4432
1243.3946	622.2009	415.1364	10	S[167]	4	**562.2624**	**281.6348**	188.0923
1356.4786	678.7429	452.8311	11	I	3	**395.2640**	198.1357	132.4262
1453.5314	727.2693	485.1820	12	P	2	**282.1800**	141.5936	94.7315
			13	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$HSVPDLNTATPSS$_{167}$PK.R/2

0.675

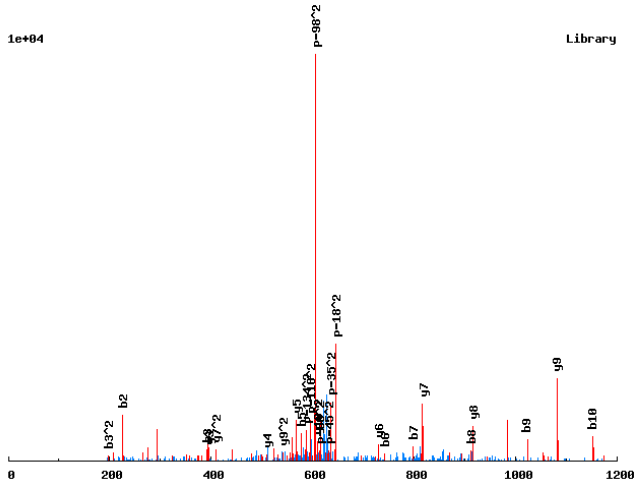


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	16		
305.0646	153.0359	2	H	15	1630.7472	**815.8773**
392.0966	196.5519	3	S	14	1493.6883	747.3478
491.1650	246.0861	4	V	13	**1406.6563**	**703.8318**
588.2178	**294.6125**	5	P	12	**1307.5879**	654.2976
703.2447	352.1260	6	D	11	**1210.5351**	605.7712
816.3288	408.6680	7	L	10	**1095.5082**	548.2577
930.3717	465.6895	8	N	9	**982.4241**	**491.7157**
1031.4194	516.2133	9	T	8	868.3812	434.6942
1102.4565	551.7319	10	A	7	**767.3335**	384.1704
1203.5042	602.2557	11	T	6	**696.2964**	348.6518
1300.5569	650.7821	12	P	5	**595.2487**	298.1280
1387.5889	**694.2981**	13	S	4	498.1960	249.6016
1554.5873	777.7973	14	S[167]	3	411.1639	206.0856
1651.6401	**826.3237**	15	P	2	244.1656	122.5864
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SHS$_{167}$VSYGLLQK$_{136}$.K/2

0.9999

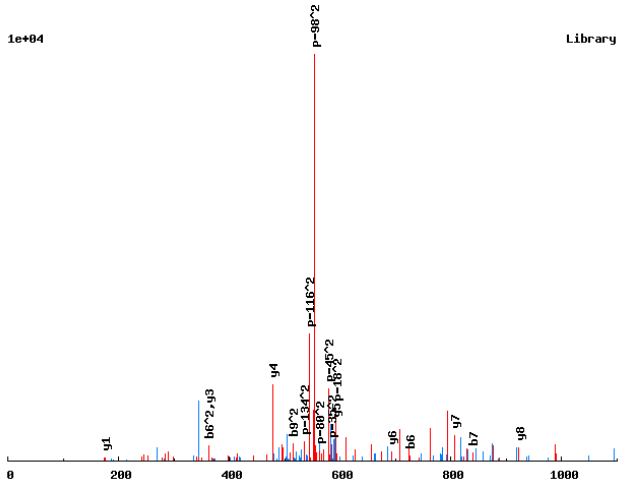


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
225.0982	113.0528	2	H	10	1219.5962	**610.3017**
392.0966	**196.5519**	3	S[167]	9	**1082.5373**	**541.7723**
491.1650	246.0861	4	V	8	**915.5389**	458.2731
578.1970	289.6022	5	S	7	**816.4705**	**408.7389**
741.2604	371.1338	6	Y	6	**729.4385**	365.2229
798.2818	399.6445	7	G	5	**566.3752**	283.6912
911.3659	456.1866	8	L	4	**509.3537**	255.1805
1024.4499	512.7286	9	L	3	**396.2696**	198.6385
1152.5085	576.7579	10	Q	2	283.1856	142.0964
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$IDDTIDSTR.L/2

0.8358

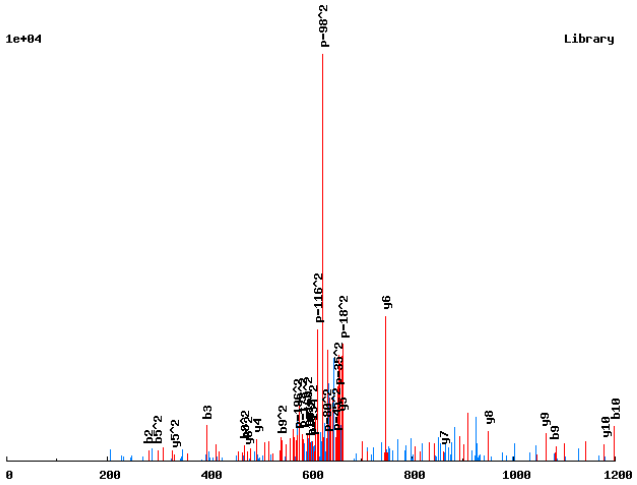


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
281.0897	141.0485	2	I	9	1035.4953	518.2513
396.1166	198.5620	3	D	8	**922.4112**	461.7093
511.1436	256.0754	4	D	7	**807.3843**	404.1958
612.1913	306.5993	5	T	6	**692.3573**	346.6823
725.2753	**363.1413**	6	I	5	**591.3097**	296.1585
840.3023	420.6548	7	D	4	**478.2256**	239.6164
927.3343	464.1708	8	S	3	**363.1987**	182.1030
1028.3820	**514.6946**	9	T	2	276.1666	138.5870
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$IDSISS$_{167}$SFIK.S/2

0.8386

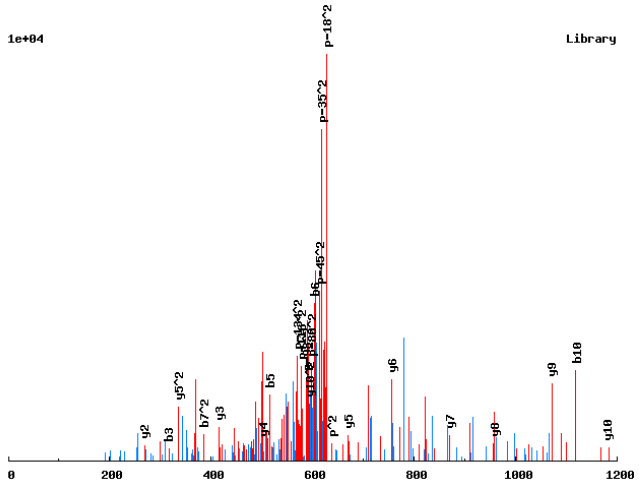


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
281.0897	141.0485	2	I	10	**1176.5548**	588.7810
396.1166	198.5620	3	D	9	**1063.4707**	532.2390
483.1487	242.0780	4	S	8	**948.4438**	**474.7255**
596.2327	**298.6200**	5	I	7	**861.4118**	431.2095
683.2648	342.1360	6	S	6	**748.3277**	374.6675
850.2631	425.6352	7	S[167]	5	**661.2957**	**331.1515**
937.2952	**469.1512**	8	S	4	**494.2973**	247.6523
1084.3636	**542.6854**	9	F	3	407.2653	204.1363
1197.4476	**599.2275**	10	I	2	260.1969	130.6021
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SIDSISS$_{167}$SFIK$_{136}$S/2

0.8183

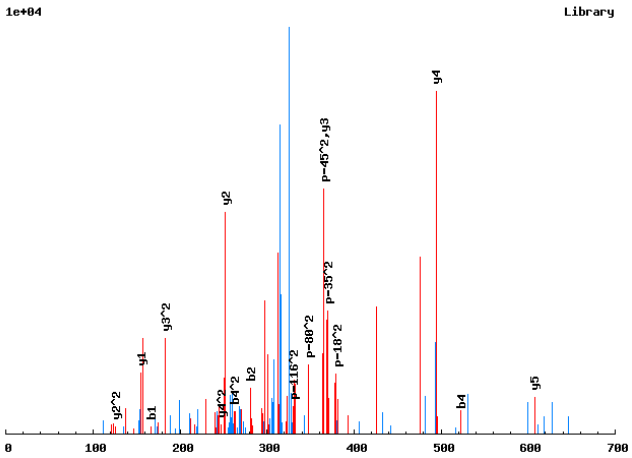


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
201.1234	101.0653	2	I	10	**1184.5690**	**592.7881**
316.1503	158.5788	3	D	9	**1071.4849**	536.2461
403.1823	202.0948	4	S	8	**956.4580**	478.7326
516.2664	258.6368	5	I	7	**869.4260**	435.2166
603.2984	302.1529	6	S	6	**756.3419**	378.6746
770.2968	**385.6520**	7	S[167]	5	**669.3099**	**335.1586**
857.3288	429.1681	8	S	4	**502.3115**	251.6594
1004.3972	502.7023	9	F	3	**415.2795**	208.1434
1117.4813	559.2443	10	I	2	**268.2111**	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$IELPK$_{136}$.L/2

0.959

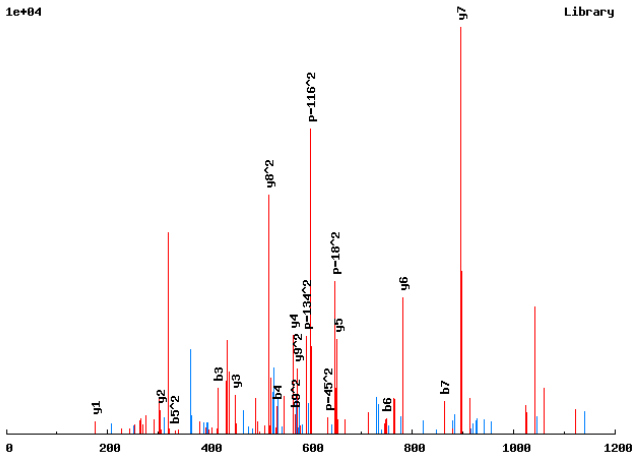


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	**1**	**S[167]**	**6**		
281.0897	141.0485	**2**	**I**	**5**	**607.3905**	304.1989
410.1323	205.5698	**3**	**E**	**4**	**494.3064**	**247.6568**
523.2164	**262.1118**	**4**	**L**	**3**	**365.2638**	**183.1355**
620.2691	310.6382	**5**	**P**	**2**	**252.1798**	**126.5935**
		6	**K[136]**	**1**	**155.1270**	78.0671

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$IHDESNFER.S/2

0.9913

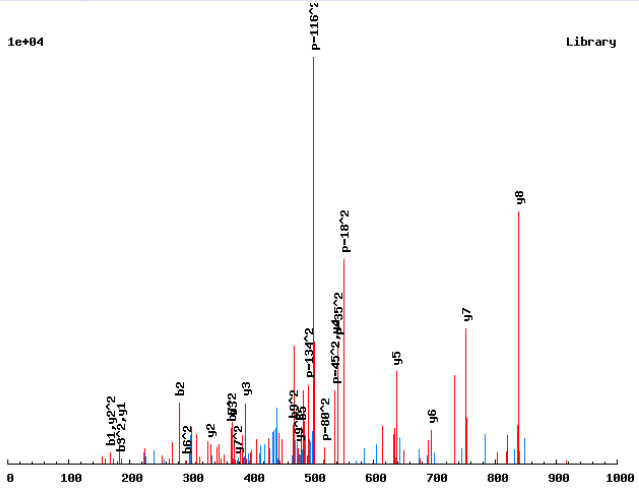


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
281.0897	141.0485	2	I	9	1146.5174	**573.7623**
418.1486	209.5779	3	H	8	1033.4334	**517.2203**
533.1756	267.0914	4	D	7	**896.3744**	448.6909
662.2181	**331.6127**	5	E	6	**781.3475**	391.1774
749.2502	375.1287	6	S	5	**652.3049**	326.6561
863.2931	432.1502	7	N	4	**565.2729**	283.1401
1010.3615	505.6844	8	F	3	**451.2299**	226.1186
1139.4041	**570.2057**	9	E	2	**304.1615**	152.5844
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$ISGGTFGFR$_{166}$.S/2

0.9855

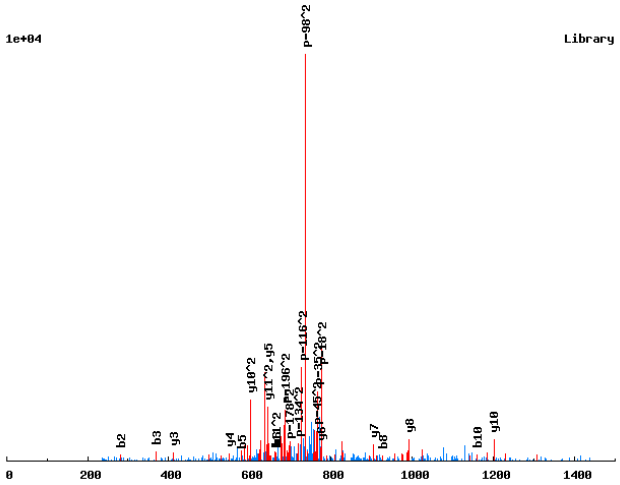


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
281.0897	141.0485	2	I	9	951.4922	**476.2497**
368.1217	**184.5645**	3	S	8	**838.4081**	419.7077
425.1432	213.0752	4	G	7	**751.3761**	**376.1917**
482.1647	241.5860	5	G	6	**694.3546**	347.6810
583.2123	**292.1098**	6	T	5	**637.3332**	319.1702
730.2807	**365.6440**	7	F	4	**536.2855**	268.6464
787.3022	394.1547	8	G	3	**389.2171**	195.1122
934.3706	**467.6889**	9	F	2	**332.1956**	**166.6015**
		10	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$ISPLSMEPHS$_{167}$PK.K/2

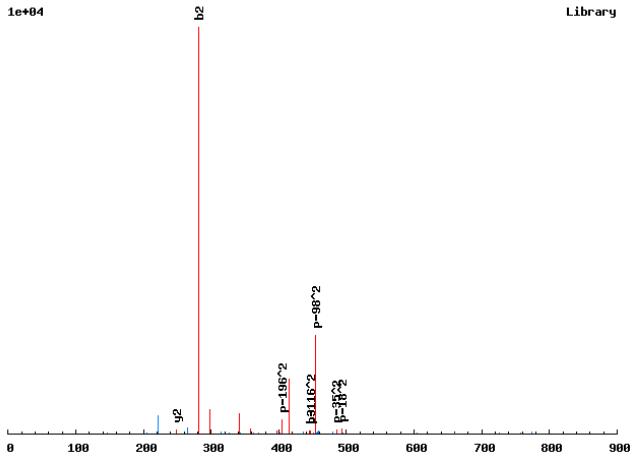
0.9276



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
281.0897	141.0485	2	I	12	1402.6436	701.8254
368.1217	184.5645	3	S	11	1289.5596	**645.2834**
465.1745	233.0909	4	P	10	**1202.5275**	**601.7674**
578.2586	289.6329	5	L	9	1105.4748	553.2410
665.2906	333.1489	6	S	8	**992.3907**	496.6990
796.3311	398.6692	7	M	7	**905.3587**	453.1830
925.3737	463.1905	8	E	6	**774.3182**	387.6627
1022.4264	511.7169	9	P	5	**645.2756**	323.1414
1159.4853	580.2463	10	H	4	**548.2228**	274.6151
1326.4837	**663.7455**	11	S[167]	3	**411.1639**	206.0856
1423.5365	712.2719	12	P	2	244.1656	122.5864
		13	K	1	147.1128	74.0600

R.S$_{167}$IS$_{167}$RGPTK.N/2

0.7103

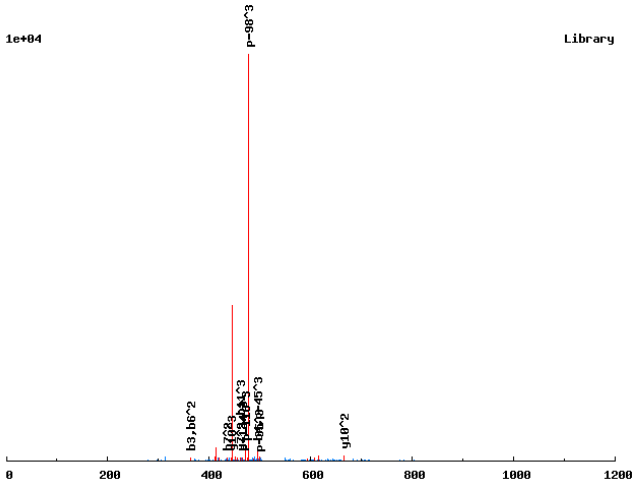


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	8		
281.0897	141.0485	2	I	7	838.4182	419.7128
448.0881	224.5477	3	S[167]	6	725.3342	363.1707
604.1892	302.5982	4	R	5	558.3358	279.6715
661.2106	331.1090	5	G	4	402.2347	201.6210
758.2634	379.6353	6	P	3	345.2132	173.1103
859.3111	430.1592	7	T	2	248.1605	124.5839
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SIYMDDFT$_{181}$DLTK.R/3

0.6149

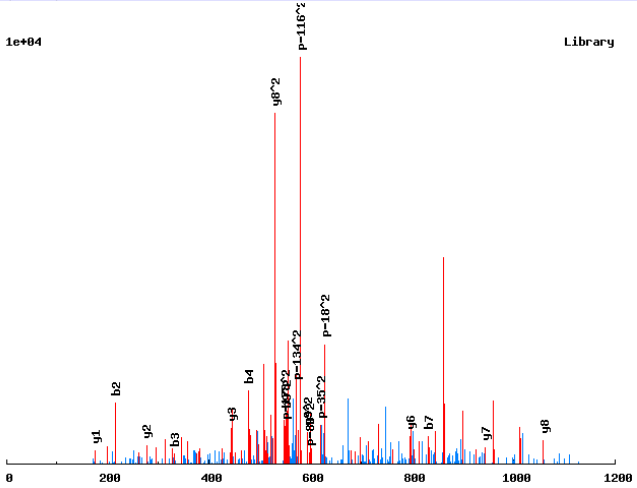


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	12			
201.1234	101.0653	67.7126	2	I	11	1441.5957	721.3015	481.2034
364.1867	182.5970	122.0671	3	Y	10	1328.5116	**664.7594**	**443.5087**
495.2272	248.1172	165.7472	4	M	9	1165.4483	583.2278	389.1543
610.2541	305.6307	204.0896	5	D	8	1034.4078	517.7075	345.4741
725.2811	**363.1442**	242.4319	6	D	7	919.3808	**460.1941**	307.1318
872.3495	**436.6784**	291.4547	7	F	6	804.3539	402.6806	268.7895
1053.3635	527.1854	351.7927	8	T[181]	5	657.2855	329.1464	219.7667
1168.3904	584.6989	390.1350	9	D	4	476.2715	238.6394	159.4287
1281.4745	641.2409	427.8297	10	L	3	361.2445	181.1259	121.0864
1382.5222	691.7647	**461.5122**	11	T	2	248.1605	124.5839	83.3917
			12	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SKDFS$_{167}$SVS$_{167}$TR.Q/2

0.8579

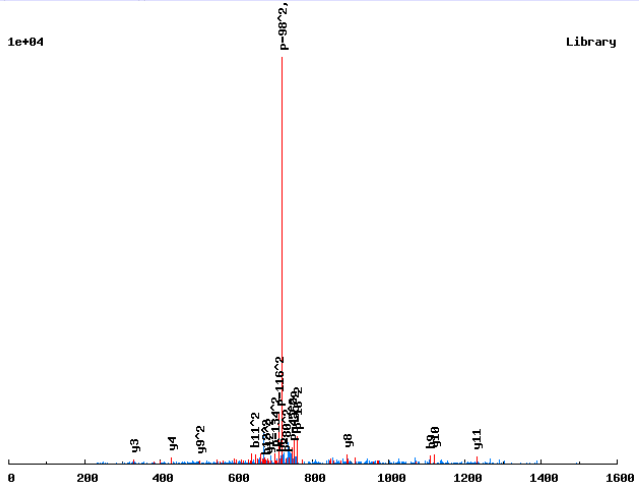


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
216.1343	108.5708	2	K	9	1186.4541	**593.7307**
331.1612	166.0842	3	D	8	**1058.3591**	**529.6832**
478.2296	239.6184	4	F	7	**943.3322**	472.1697
645.2280	323.1176	5	S[167]	6	**796.2638**	398.6355
732.2600	366.6336	6	S	5	629.2654	315.1364
831.3284	416.1679	7	V	4	542.2334	271.6203
998.3268	499.6670	8	S[167]	3	**443.1650**	222.0861
1099.3745	**550.1909**	9	T	2	**276.1666**	138.5870
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$K$_{136}$LNDAVEYVSGR$_{166}$.V/2

0.7243

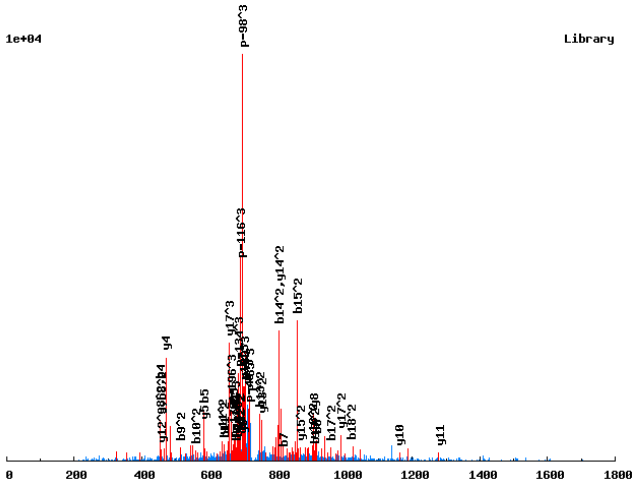


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
304.1148	152.5610	2	K[136]	12	1368.7236	**684.8655**
417.1989	209.1031	3	L	11	**1232.6145**	616.8109
531.2418	266.1245	4	N	10	**1119.5304**	560.2689
646.2687	323.6380	5	D	9	1005.4875	**503.2474**
717.3058	359.1566	6	A	8	**890.4606**	445.7339
816.3742	408.6908	7	V	7	819.4234	410.2154
945.4168	473.2121	8	E	6	**720.3550**	360.6812
1108.4802	554.7437	9	Y	5	591.3124	296.1599
1207.5486	604.2779	10	V	4	**428.2491**	214.6282
1294.5806	**647.7939**	11	S	3	**329.1807**	165.0940
1351.6021	**676.3047**	12	G	2	242.1487	121.5780
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SKS$_{167}$AEPHVNSS$_{167}$PNLIPVQK.Q/3

0.9989

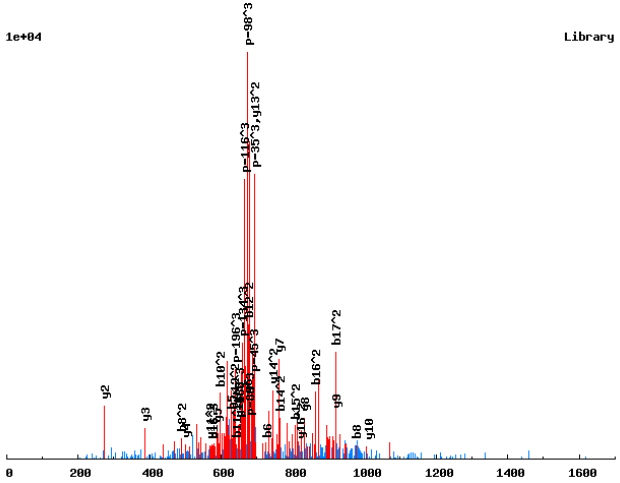


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	19			
216.1343	108.5708	72.7163	2	K	18	2104.9828	1052.9950	**702.3324**
383.1326	192.0700	128.3824	3	S[167]	17	1976.8878	**988.9476**	**659.6341**
454.1697	227.5885	152.0614	4	A	16	1809.8895	**905.4484**	603.9680
583.2123	292.1098	195.0756	5	E	15	1738.8524	**869.9298**	580.2890
680.2651	340.6362	227.4266	6	P	14	1609.8098	**805.4085**	537.2748
817.3240	409.1656	273.1129	7	H	13	1512.7570	**756.8821**	504.9239
916.3924	**458.6998**	306.1357	8	V	12	1375.6981	**688.3527**	**459.2376**
1030.4353	**515.7213**	344.1500	9	N	11	**1276.6297**	**638.8185**	426.2147
1117.4674	**559.2373**	373.1606	10	S	10	**1162.5868**	581.7970	388.2004
1284.4657	**642.7365**	428.8268	11	S[167]	9	1075.5547	538.2810	359.1898
1381.5185	**691.2629**	461.1777	12	P	8	**908.5564**	**454.7818**	303.5236
1495.5614	**748.2844**	499.1920	13	N	7	811.5036	406.2554	271.1727
1608.6455	**804.8264**	536.8867	14	L	6	**697.4607**	349.2340	233.1584
1721.7295	**861.3684**	574.5814	15	I	5	**584.3766**	292.6919	195.4637
1818.7823	**909.8948**	606.9323	16	P	4	**471.2926**	236.1499	157.7690
1917.8507	**959.4290**	639.9551	17	V	3	374.2398	187.6235	125.4181
2045.9093	**1023.4583**	**682.6413**	18	Q	2	275.1714	138.0893	92.3953
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$K$_{136}$S$_{167}$GTPDK$_{136}$ESSASSSLDSR$_{166}$.K/3

0.7996

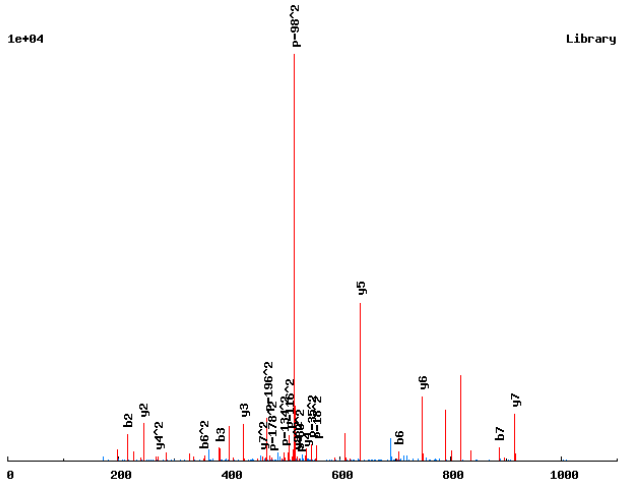


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	19			
304.1148	152.5610	102.0431	2	K[136]	18	1944.8756	972.9414	**648.9634**
471.1132	236.0602	157.7092	3	S[167]	17	1808.7665	904.8869	603.5937
528.1346	264.5710	176.7164	4	G	16	1641.7681	**821.3877**	547.9276
629.1823	315.0948	210.3990	5	T	15	1584.7466	792.8770	528.9204
726.2351	363.6212	242.7499	6	P	14	1483.6990	**742.3531**	495.2378
841.2620	421.1346	281.0922	7	D	13	1386.6462	**693.8267**	462.8869
977.3712	**489.1892**	326.4619	8	K[136]	12	1271.6193	**636.3133**	424.5446
1106.4137	553.7105	369.4761	9	E	11	1135.5101	**568.2587**	379.1749
1193.4458	**597.2265**	398.4868	10	S	10	**1006.4675**	503.7374	336.1607
1280.4778	**640.7425**	427.4975	11	S	9	**919.4355**	460.2214	307.1500
1351.5149	**676.2611**	451.1765	12	A	8	**832.4034**	416.7054	278.1393
1438.5470	719.7771	480.1872	13	S	7	**761.3663**	381.1868	254.4603
1525.5790	**763.2931**	509.1978	14	S	6	**674.3343**	337.6708	225.4496
1612.6110	**806.8091**	538.2085	15	S	5	**587.3023**	294.1548	196.4389
1725.6951	**863.3512**	**575.9032**	16	L	4	**500.2702**	250.6388	167.4283
1840.7220	**920.8646**	614.2455	17	D	3	**387.1862**	194.0967	129.7336
1927.7540	964.3807	643.2562	18	S	2	**272.1592**	136.5833	91.3913
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.SKS$_{167}$LPIT$_{181}$PK.S/2

0.9579

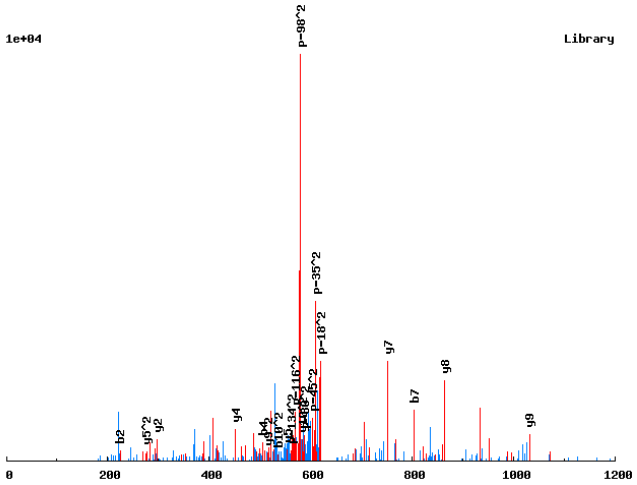


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
216.1343	108.5708	2	K	8	1043.4938	**522.2505**
383.1326	192.0700	3	S[167]	7	**915.3988**	**458.2030**
496.2167	248.6120	4	L	6	**748.4005**	374.7039
593.2695	297.1384	5	P	5	**635.3164**	318.1618
706.3535	**353.6804**	6	I	4	**538.2636**	**269.6355**
887.3675	444.1874	7	T[181]	3	**425.1796**	213.0934
984.4203	492.7138	8	P	2	**244.1656**	122.5864
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SK$_{136}$S$_{167}$LPTTPGIR$_{166}$.S/2

0.7136

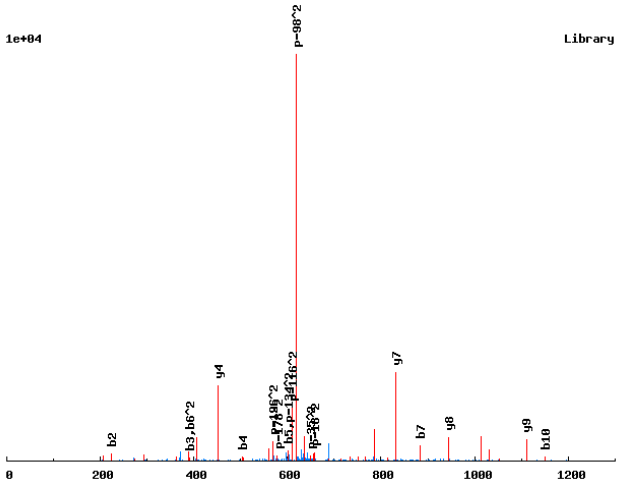


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
224.1485	112.5779	2	K[136]	10	1167.6252	**584.3162**
391.1468	196.0771	3	S[167]	9	**1031.5160**	**516.2617**
504.2309	252.6191	4	L	8	**864.5177**	432.7625
601.2837	301.1455	5	P	7	**751.4336**	376.2204
702.3313	351.6693	6	T	6	654.3809	327.6941
803.3790	402.1931	7	T	5	**553.3332**	**277.1702**
900.4318	450.7195	8	P	4	**452.2855**	226.6464
957.4532	479.2303	9	G	3	355.2327	178.1200
1070.5373	**535.7723**	10	I	2	**298.2113**	149.6093
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SK$_{136}$S$_{167}$LPT$_{181}$TPGIR$_{166}$.S/2

0.8925

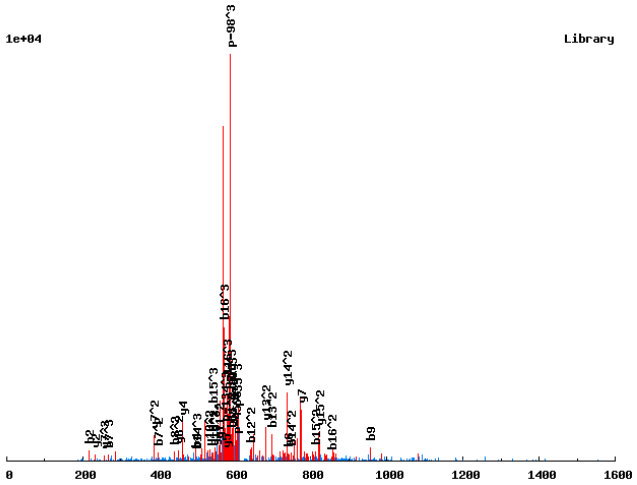


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
224.1485	112.5779	2	K[136]	10	1247.5915	624.2994
391.1468	196.0771	3	S[167]	9	**1111.4824**	556.2448
504.2309	252.6191	4	L	8	**944.4840**	472.7456
601.2837	301.1455	5	P	7	**831.4000**	416.2036
782.2977	**391.6525**	6	T[181]	6	734.3472	367.6772
883.3453	442.1763	7	T	5	553.3332	277.1702
980.3981	490.7027	8	P	4	**452.2855**	226.6464
1037.4196	519.2134	9	G	3	355.2327	178.1200
1150.5036	575.7555	10	I	2	298.2113	149.6093
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SKS$_{167}$NPFGSAKPVDTQSK.I/3

0.9369

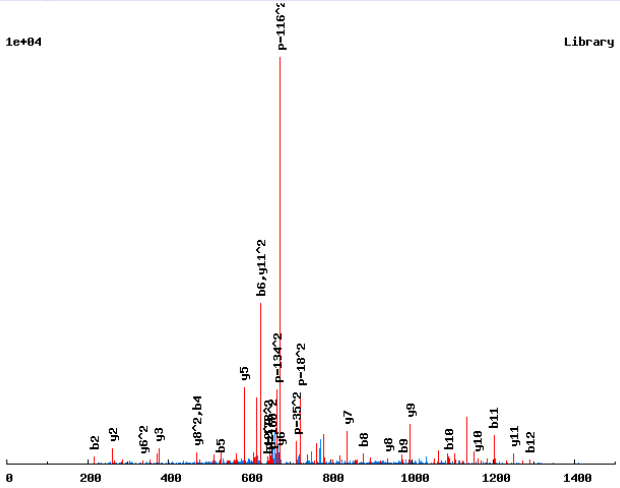


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	17			
216.1343	108.5708	72.7163	2	K	16	1770.8422	885.9247	**590.9522**
383.1326	192.0700	128.3824	3	S[167]	15	1642.7472	**821.8773**	**548.2539**
497.1756	249.0914	166.3967	4	N	14	1475.7489	**738.3781**	492.5878
594.2283	297.6178	198.7476	5	P	13	1361.7059	**681.3566**	454.5735
741.2967	371.1520	247.7704	6	F	12	1264.6532	632.8302	422.2226
798.3182	**399.6627**	**266.7776**	7	G	11	1117.5848	**559.2960**	373.1998
885.3502	**443.1788**	295.7883	8	S	10	1060.5633	**530.7853**	354.1926
956.3873	478.6973	319.4673	9	A	9	973.5313	487.2693	325.1819
1084.4823	**542.7448**	362.1656	10	K	8	902.4942	**451.7507**	301.5029
1181.5351	**591.2712**	394.5165	11	P	7	**774.3992**	**387.7032**	**258.8046**
1280.6035	**640.8054**	427.5393	12	V	6	677.3464	339.1769	226.4537
1395.6304	**698.3188**	465.8817	13	D	5	**578.2780**	289.6427	193.4309
1496.6781	**748.8427**	**499.5642**	14	T	4	**463.2511**	232.1292	155.0885
1624.7367	**812.8720**	**542.2504**	15	Q	3	362.2034	181.6053	121.4060
1711.7687	**856.3880**	**571.2611**	16	S	2	**234.1448**	117.5761	78.7198
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SKSS$_{167}$GVS$_{167}$SPLLSR.M/2

0.9528

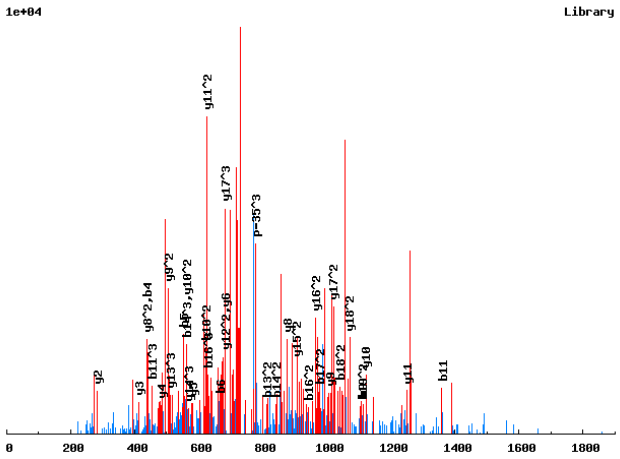


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
216.1343	108.5708	2	K	12	1377.6175	689.3124
303.1663	152.0868	3	S	11	**1249.5225**	**625.2649**
470.1647	235.5860	4	S[167]	10	**1162.4905**	581.7489
527.1861	264.0967	5	G	9	**995.4921**	498.2497
626.2545	313.6309	6	V	8	**938.4707**	**469.7390**
793.2529	397.1301	7	S[167]	7	**839.4023**	420.2048
880.2849	440.6461	8	S	6	**672.4039**	**336.7056**
977.3377	489.1725	9	P	5	**585.3719**	293.1896
1090.4217	545.7145	10	L	4	488.3191	244.6632
1203.5058	602.2565	11	L	3	**375.2350**	188.1212
1290.5378	**645.7726**	12	S	2	**262.1510**	131.5791
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SK$_{136}$VDDLR$_{166}$S$_{167}$DEDEHGTVAQEK$_{136}$.H/3

0.8122

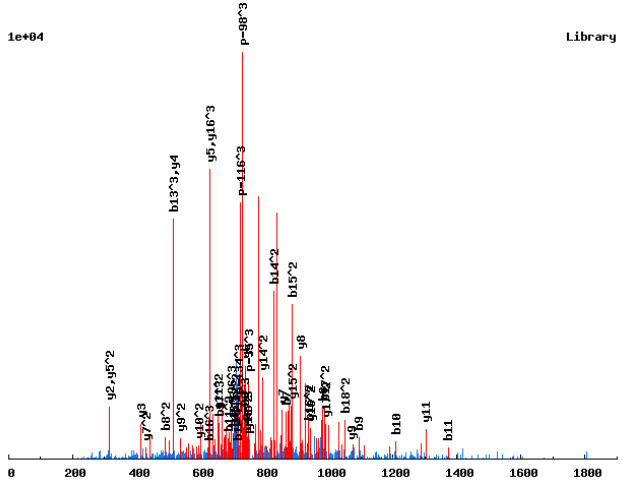


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
224.1485	112.5779	75.3877	2	K[136]	19	2277.0240	1139.0157	759.6795
323.2169	162.1121	108.4105	3	V	18	2140.9149	**1070.9611**	714.3098
438.2438	219.6255	146.7528	4	D	17	2041.8465	**1021.4269**	**681.2870**
553.2708	277.1390	185.0951	5	D	16	1926.8195	**963.9134**	642.9447
666.3548	333.6810	222.7898	6	L	15	1811.7926	**906.3999**	604.6024
832.4642	416.7357	278.1596	7	R[166]	14	1698.7085	849.8579	**566.9077**
999.4626	500.2349	333.8257	8	S[167]	13	1532.5992	766.8032	**511.5379**
1114.4895	557.7484	372.1680	9	D	12	1365.6008	**683.3040**	455.8718
1243.5321	**622.2697**	415.1822	10	E	11	**1250.5739**	**625.7906**	417.5295
1358.5590	679.7832	**453.5245**	11	D	10	**1121.5313**	**561.2693**	374.5153
1487.6016	744.3044	496.5387	12	E	9	**1006.5043**	**503.7558**	336.1730
1624.6605	**812.8339**	542.2250	13	H	8	**877.4617**	**439.2345**	293.1588
1681.6820	**841.3446**	**561.2322**	14	G	7	740.4028	370.7051	247.4725
1782.7297	891.8685	594.9147	15	T	6	**683.3814**	342.1943	228.4653
1881.7981	**941.4027**	**627.9375**	16	V	5	**582.3337**	291.6705	194.7827
1952.8352	**976.9212**	651.6166	17	A	4	**483.2653**	242.1363	161.7599
2080.8938	**1040.9505**	694.3028	18	Q	3	**412.2282**	206.6177	138.0809
2209.9364	**1105.4718**	737.3170	19	E	2	**284.1696**	142.5884	95.3947
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$K$_{136}$VNT$_{181}$PAIDDYGNLITVER$_{166}$.R/3

0.9999

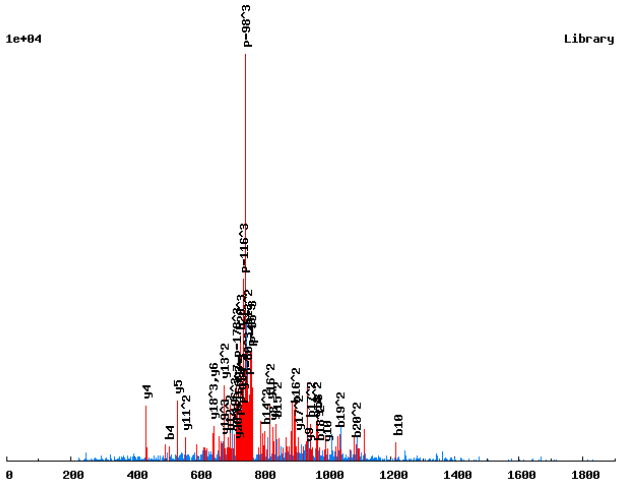


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	19			
304.1148	152.5610	102.0431	2	K[136]	18	2116.0441	1058.5257	**706.0195**
403.1832	202.0952	135.0659	3	V	17	1979.9349	**990.4711**	660.6498
517.2261	259.1167	173.0802	4	N	16	1880.8665	**940.9369**	**627.6270**
698.2402	349.6237	233.4182	5	T[181]	15	1766.8236	**883.9154**	589.6127
795.2929	398.1501	265.7692	6	P	14	1585.8095	**793.4084**	529.2747
866.3300	433.6687	289.4482	7	A	13	1488.7568	**744.8820**	496.9238
979.4141	**490.2107**	327.1429	8	I	12	1417.7197	**709.3635**	473.2447
1094.4410	547.7242	365.4852	9	D	11	**1304.6356**	**652.8214**	435.5501
1209.4680	605.2376	403.8275	10	D	10	1189.6087	**595.3080**	397.2077
1372.5313	**686.7693**	458.1820	11	Y	9	**1074.5817**	**537.7945**	358.8654
1429.5528	**715.2800**	477.1891	12	G	8	**911.5184**	456.2628	304.5110
1543.5957	772.3015	**515.2034**	13	N	7	**854.4969**	**427.7521**	285.5038
1656.6797	**828.8435**	552.8981	14	L	6	**740.4540**	370.7306	247.4895
1769.7638	**885.3855**	590.5928	15	I	5	**627.3700**	**314.1886**	209.7948
1870.8115	**935.9094**	**624.2753**	16	T	4	**514.2859**	257.6466	172.1002
1969.8799	**985.4436**	**657.2982**	17	V	3	**413.2382**	207.1227	138.4176
2098.9225	**1049.9649**	**700.3123**	18	E	2	**314.1698**	157.5885	105.3948
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$KVNT$_{181}$PAIDENGNLAIVGETK.N/3

0.9994

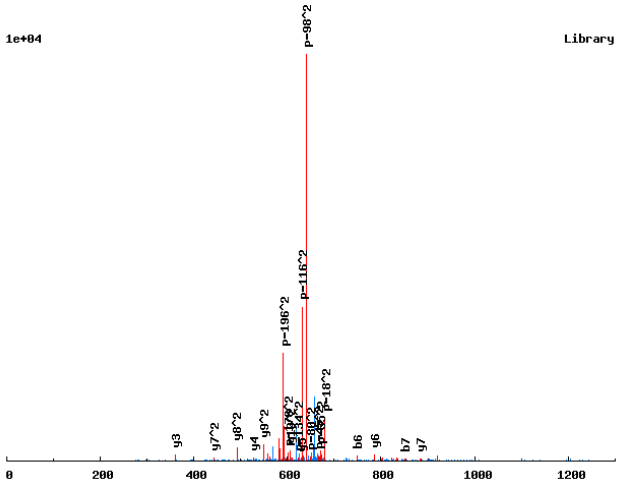


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	21			
296.1006	148.5539	99.3717	2	K	20	2163.0693	1082.0383	**721.6946**
395.1690	198.0881	132.3945	3	V	19	2034.9743	1017.9908	**678.9963**
509.2119	255.1096	170.4088	4	N	18	1935.9059	**968.4566**	**645.9735**
690.2260	345.6166	230.7468	5	T[181]	17	1821.8630	**911.4351**	607.9592
787.2787	394.1430	263.0978	6	P	16	1640.8489	**820.9281**	547.6212
858.3158	429.6616	286.7768	7	A	15	1543.7962	772.4017	515.2702
971.3999	486.2036	324.4715	8	I	14	1472.7591	**736.8832**	491.5912
1086.4268	543.7171	362.8138	9	D	13	1359.6750	**680.3411**	453.8965
1215.4694	608.2383	405.8280	10	E	12	1244.6481	622.8277	415.5542
1329.5123	665.2598	443.8423	11	N	11	1115.6055	**558.3064**	372.5400
1386.5338	**693.7705**	462.8495	12	G	10	**1001.5626**	501.2849	334.5257
1500.5767	**750.7920**	500.8638	13	N	9	**944.5411**	472.7742	315.5186
1613.6608	**807.3340**	538.5585	14	L	8	**830.4982**	415.7527	277.5042
1684.6979	**842.8526**	562.2375	15	A	7	**717.4141**	359.2107	239.8096
1797.7820	**899.3946**	599.9322	16	I	6	**646.3770**	323.6921	216.1305
1896.8504	**948.9288**	632.9550	17	V	5	**533.2929**	267.1501	178.4358
1953.8718	**977.4396**	651.9621	18	G	4	**434.2245**	217.6159	145.4130
2082.9144	**1041.9609**	694.9763	19	E	3	377.2031	189.1052	126.4059
2183.9621	**1092.4847**	**728.6589**	20	T	2	248.1605	124.5839	83.3917
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$LDVVRTS$_{167}$GER.V/2

0.797

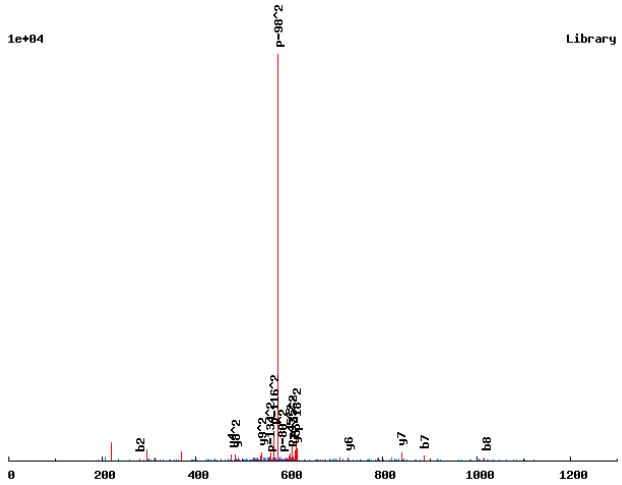


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
281.0897	141.0485	2	L	10	1211.5780	**606.2926**
396.1166	198.5620	3	D	9	1098.4939	**549.7506**
495.1851	248.0962	4	V	8	983.4670	**492.2371**
594.2535	297.6304	5	V	7	**884.3986**	**442.7029**
750.3546	375.6809	6	R	6	**785.3302**	393.1687
851.4023	426.2048	7	T	5	**629.2290**	315.1182
1018.4006	509.7039	8	S[167]	4	**528.1814**	264.5943
1075.4221	538.2147	9	G	3	**361.1830**	181.0951
1204.4647	602.7360	10	E	2	304.1615	152.5844
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$LENLHLQSK.A/2

0.9805

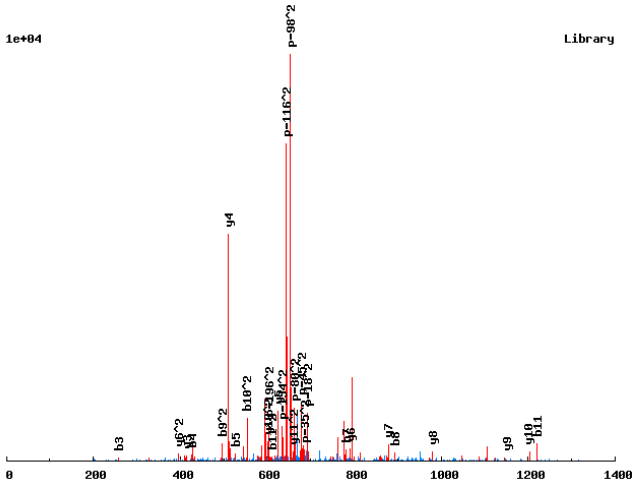


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
281.0897	141.0485	2	L	9	1081.6000	**541.3036**
410.1323	205.5698	3	E	8	968.5160	**484.7616**
524.1752	262.5913	4	N	7	**839.4734**	420.2403
637.2593	319.1333	5	L	6	**725.4304**	363.2189
774.3182	387.6627	6	H	5	**612.3464**	306.6768
887.4023	444.2048	7	L	4	**475.2875**	238.1474
1015.4608	508.2341	8	Q	3	362.2034	181.6053
1102.4929	551.7501	9	S	2	234.1448	117.5761
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SLGS$_{167}$TSS$_{167}$LPNDR$_{166}$.R/2

0.9995

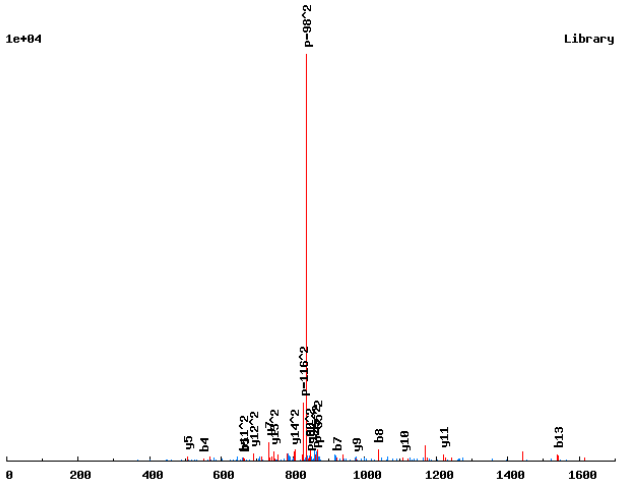


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
201.1234	101.0653	2	L	11	1316.5159	**658.7616**
258.1448	129.5761	3	G	10	**1203.4318**	**602.2195**
425.1432	213.0752	4	S[167]	9	**1146.4103**	573.7088
526.1909	263.5991	5	T	8	**979.4120**	490.2096
613.2229	307.1151	6	S	7	**878.3643**	439.6858
780.2213	390.6143	7	S[167]	6	**791.3323**	**396.1698**
893.3053	447.1563	8	L	5	**624.3339**	312.6706
990.3581	**495.6827**	9	P	4	**511.2498**	256.1286
1104.4010	**552.7041**	10	N	3	**414.1971**	207.6022
1219.4280	**610.2176**	11	D	2	300.1542	150.5807
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$LLRDEEDVEGTDGR.R/2

0.8414

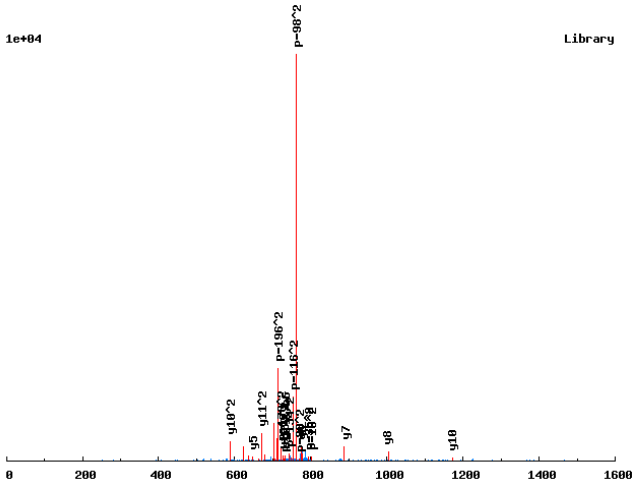


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	15		
281.0897	141.0485	2	L	14	1603.7558	**802.3815**
394.1738	197.5905	3	L	13	1490.6717	**745.8395**
550.2749	275.6411	4	R	12	1377.5877	**689.2975**
665.3018	333.1545	5	D	11	**1221.4866**	611.2469
794.3444	397.6758	6	E	10	**1106.4596**	553.7334
923.3870	462.1971	7	E	9	**977.4170**	489.2122
1038.4139	519.7106	8	D	8	**848.3744**	424.6909
1137.4823	569.2448	9	V	7	**733.3475**	367.1774
1266.5249	633.7661	10	E	6	634.2791	317.6432
1323.5464	**662.2768**	11	G	5	**505.2365**	253.1219
1424.5941	712.8007	12	T	4	448.2150	224.6112
1539.6210	770.3141	13	D	3	347.1673	174.0873
1596.6425	798.8249	14	G	2	232.1404	116.5738
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

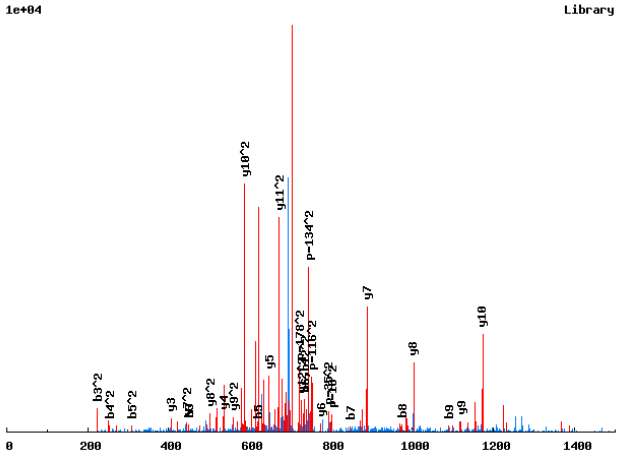
R.S$_{167}$LS$_{167}$GLDLQNQNK$_{136}$K$_{136}$.N/2

0.9635



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
281.0897	141.0485	2	L	12	1453.7381	**727.3727**
448.0881	224.5477	3	S[167]	11	1340.6541	**670.8307**
505.1095	253.0584	4	G	10	**1173.6557**	**587.3315**
618.1936	309.6004	5	L	9	1116.6342	558.8208
733.2205	367.1139	6	D	8	**1003.5502**	502.2787
846.3046	423.6559	7	L	7	**888.5232**	444.7653
974.3632	487.6852	8	Q	6	**775.4392**	388.2232
1088.4061	544.7067	9	N	5	**647.3806**	324.1939
1216.4647	608.7360	10	Q	4	533.3377	267.1725
1330.5076	665.7574	11	N	3	405.2791	203.1432
1466.6168	**733.8120**	12	K[136]	2	291.2362	146.1217
		13	K[136]	1	155.1270	78.0671

0.9635

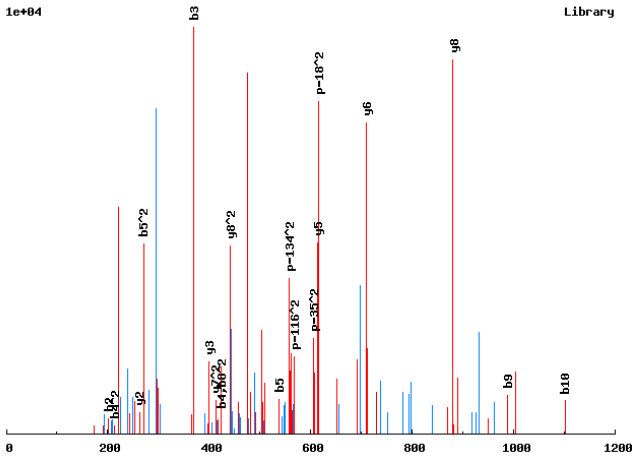


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
281.0897	141.0485	2	L	12	1453.7381	**727.3727**
448.0881	**224.5477**	3	S[167]	11	1340.6541	**670.8307**
505.1095	**253.0584**	4	G	10	**1173.6557**	**587.3315**
618.1936	**309.6004**	5	L	9	**1116.6342**	**558.8208**
733.2205	367.1139	6	D	8	**1003.5502**	**502.2787**
846.3046	423.6559	7	L	7	**888.5232**	**444.7653**
974.3632	487.6852	8	Q	6	**775.4392**	388.2232
1088.4061	544.7067	9	N	5	**647.3806**	324.1939
1216.4647	608.7360	10	Q	4	**533.3377**	267.1725
1330.5076	665.7574	11	N	3	**405.2791**	203.1432
1466.6168	**733.8120**	12	K[136]	2	291.2362	146.1217
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SLS$_{167}$GLPLTHDK.T/2

0.6124

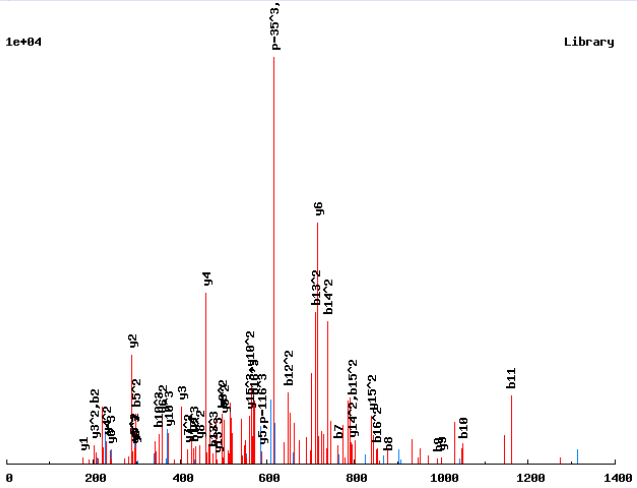


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
201.1234	101.0653	2	L	10	1160.5711	580.7892
368.1217	184.5645	3	S[167]	9	1047.4870	524.2472
425.1432	**213.0752**	4	G	8	**880.4887**	**440.7480**
538.2273	**269.6173**	5	L	7	823.4672	**412.2372**
635.2800	318.1436	6	P	6	**710.3832**	355.6952
748.3641	374.6857	7	L	5	**613.3304**	307.1688
849.4118	**425.2095**	8	T	4	500.2463	250.6268
986.4707	493.7390	9	H	3	**399.1986**	200.1030
1101.4976	551.2524	10	D	2	**262.1397**	131.5735
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

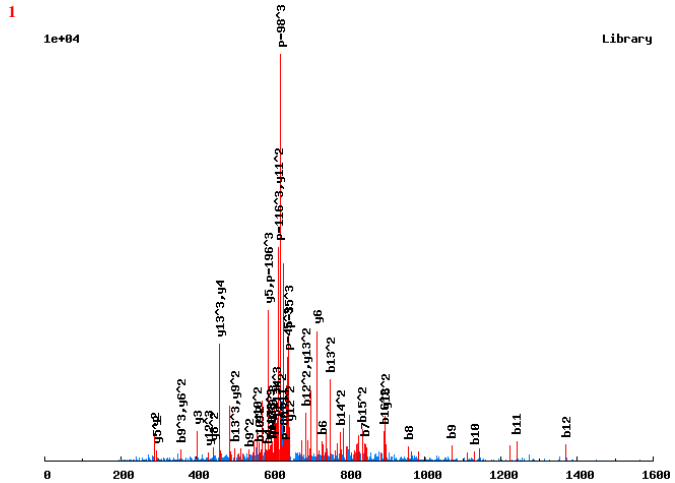
K.SLSHS$_{167}$GLDDGLEQGLNR.S/3

0.9995

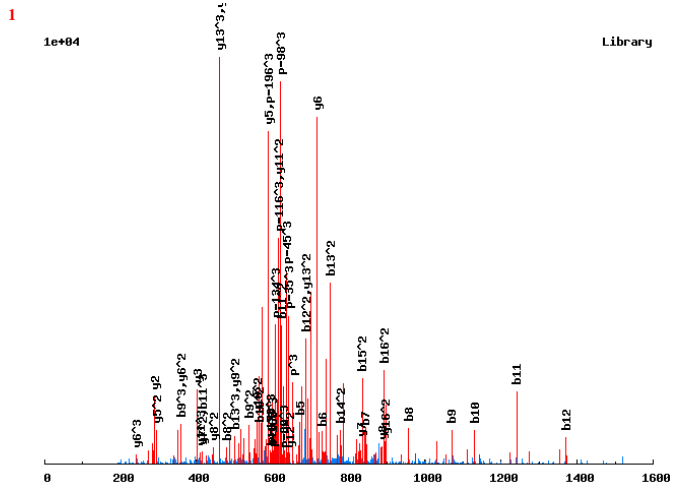


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	17			
201.1234	101.0653	67.7126	2	L	16	1790.8069	895.9071	597.6071
288.1554	144.5813	96.7233	3	S	15	1677.7228	**839.3650**	**559.9125**
425.2143	213.1108	142.4096	4	H	14	1590.6908	**795.8490**	530.9018
592.2127	**296.6100**	198.0757	5	S[167]	13	1453.6319	727.3196	**485.2155**
649.2341	325.1207	217.0829	6	G	12	1286.6335	643.8204	429.5494
762.3182	381.6627	254.7776	7	L	11	1229.6120	**615.3097**	410.5422
877.3451	439.1762	293.1199	8	D	10	1116.5280	**558.7676**	**372.8475**
992.3721	**496.6897**	331.4622	9	D	9	**1001.5010**	**501.2542**	334.5052
1049.3935	525.2004	**350.4694**	10	G	8	886.4741	**443.7407**	**296.1629**
1162.4776	581.7424	388.1641	11	L	7	829.4526	**415.2300**	277.1557
1291.5202	**646.2637**	**431.1782**	12	E	6	**716.3686**	**358.6879**	**239.4610**
1419.5788	**710.2930**	**473.8644**	13	Q	5	**587.3260**	**294.1666**	196.4468
1476.6002	**738.8038**	492.8716	14	G	4	**459.2674**	**230.1373**	153.7607
1589.6843	**795.3458**	530.5663	15	L	3	**402.2459**	**201.6266**	134.7535
1703.7272	**852.3672**	**568.5806**	16	N	2	**289.1619**	145.0846	97.0588
			17	R	1	**175.1190**	88.0631	59.0445

K.S$_{167}$LS$_{167}$HSGLDDGLEQGLNR.S/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	17			
281.0897	141.0485	94.3681	2	L	16	1790.8069	**895.9071**	597.6071
448.0881	224.5477	150.0342	3	S[167]	15	1677.7228	839.3650	559.9125
585.1470	293.0771	195.7205	4	H	14	1510.7244	755.8659	504.2463
672.1790	336.5931	224.7312	5	S	13	1373.6655	**687.3364**	**458.5600**
729.2005	365.1039	243.7383	6	G	12	1286.6335	**643.8204**	**429.5494**
842.2845	421.6459	281.4330	7	L	11	1229.6120	**615.3097**	410.5422
957.3115	479.1594	319.7753	8	D	10	1116.5280	**558.7676**	372.8475
1072.3384	**536.6728**	**358.1177**	9	D	9	1001.5010	**501.2542**	334.5052
1129.3599	**565.1836**	377.1248	10	G	8	886.4741	**443.7407**	296.1629
1242.4439	**621.7256**	414.8195	11	L	7	829.4526	415.2300	277.1557
1371.4865	**686.2469**	457.8337	12	E	6	**716.3686**	**358.6879**	239.4610
1499.5451	**750.2762**	**500.5199**	13	Q	5	**587.3260**	**294.1666**	196.4468
1556.5666	**778.7869**	519.5270	14	G	4	**459.2674**	230.1373	153.7607
1669.6506	**835.3289**	557.2217	15	L	3	**402.2459**	201.6266	134.7535
1783.6935	**892.3504**	**595.2360**	16	N	2	**289.1619**	145.0846	97.0588
			17	R	1	175.1190	88.0631	59.0445

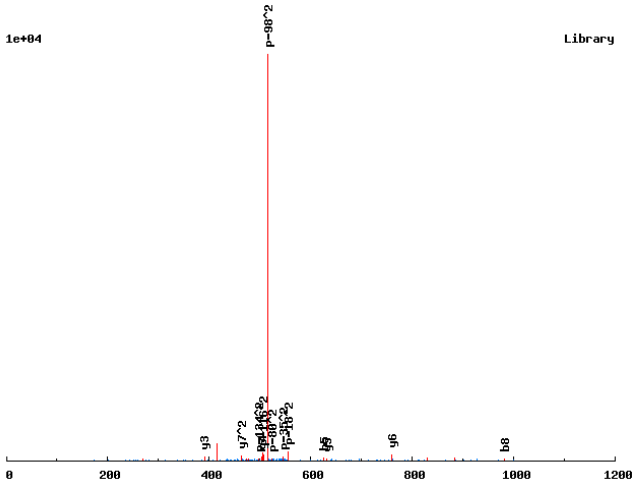


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	17			
281.0897	141.0485	94.3681	2	L	16	1790.8069	**895.9071**	597.6071
448.0881	224.5477	150.0342	3	S[167]	15	1677.7228	839.3650	559.9125
585.1470	293.0771	195.7205	4	H	14	1510.7244	755.8659	504.2463
672.1790	336.5931	224.7312	5	S	13	1373.6655	**687.3364**	**458.5600**
729.2005	365.1039	243.7383	6	G	12	1286.6335	**643.8204**	429.5494
842.2845	421.6459	281.4330	7	L	11	1229.6120	**615.3097**	**410.5422**
957.3115	**479.1594**	319.7753	8	D	10	1116.5280	**558.7676**	372.8475
1072.3384	**536.6728**	**358.1177**	9	D	9	1001.5010	**501.2542**	334.5052
1129.3599	**565.1836**	377.1248	10	G	8	**886.4741**	**443.7407**	296.1629
1242.4439	**621.7256**	**414.8195**	11	L	7	**829.4526**	**415.2300**	277.1557
1371.4865	**686.2469**	457.8337	12	E	6	**716.3686**	**358.6879**	**239.4610**
1499.5451	**750.2762**	**500.5199**	13	Q	5	**587.3260**	**294.1666**	196.4468
1556.5666	**778.7869**	519.5270	14	G	4	**459.2674**	230.1373	153.7607
1669.6506	**835.3289**	557.2217	15	L	3	**402.2459**	201.6266	134.7535
1783.6935	**892.3504**	**595.2360**	16	N	2	**289.1619**	145.0846	97.0588
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SLS$_{167}$KELNEK.K/2

0.654

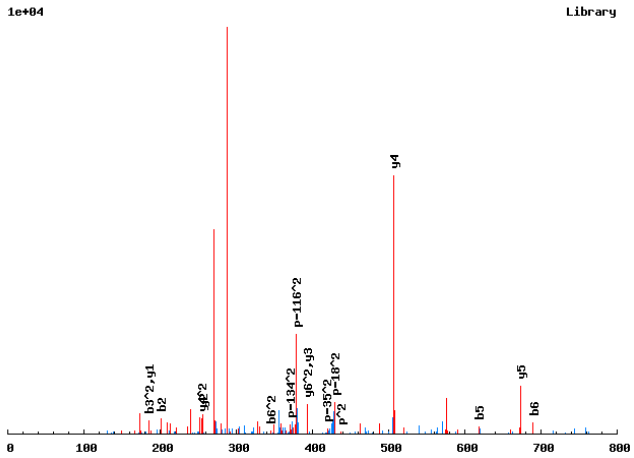


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
201.1234	101.0653	2	L	8	1040.5024	520.7548
368.1217	184.5645	3	S[167]	7	927.4183	**464.2128**
496.2167	248.6120	4	K	6	**760.4199**	380.7136
625.2593	313.1333	5	E	5	**632.3250**	316.6661
738.3433	369.6753	6	L	4	**503.2824**	252.1448
852.3863	426.6968	7	N	3	**390.1983**	195.6028
981.4289	491.2181	8	E	2	276.1554	138.5813
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SLS$_{167}$LHAR$_{166}$.D/2

0.6668

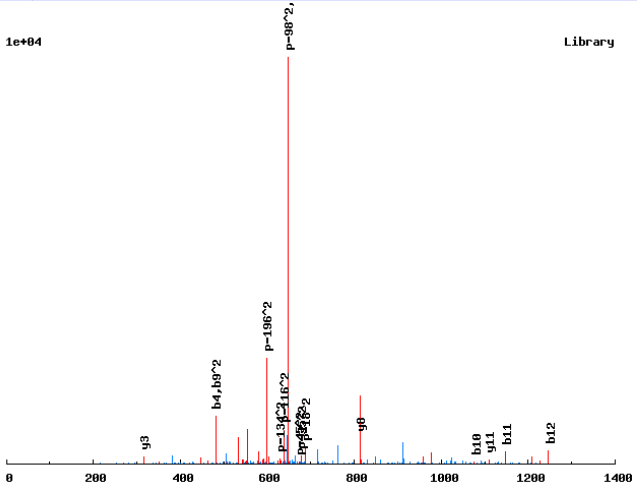


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	**1**	**S**	**7**		
201.1234	101.0653	**2**	**L**	**6**	786.3897	**393.6985**
368.1217	**184.5645**	**3**	**S[167]**	**5**	**673.3057**	337.1565
481.2058	241.1065	**4**	**L**	**4**	**506.3073**	**253.6573**
618.2647	309.6360	**5**	**H**	**3**	**393.2232**	197.1153
689.3018	**345.1545**	**6**	**A**	**2**	**256.1643**	128.5858
		7	**R[166]**	**1**	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$LSLPS$_{167}$SGADAVK.R/2

0.7257

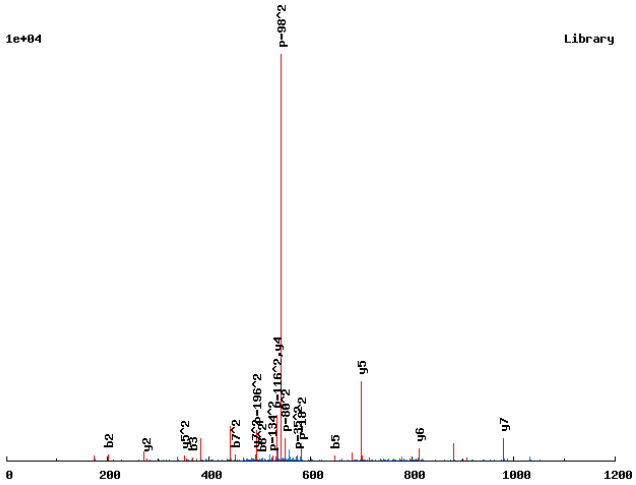


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
281.0897	141.0485	2	L	12	1224.5871	612.7972
368.1217	184.5645	3	S	11	**1111.5031**	556.2552
481.2058	241.1065	4	L	10	1024.4710	512.7392
578.2586	289.6329	5	P	9	911.3870	456.1971
745.2569	373.1321	6	S[167]	8	**814.3342**	407.6708
832.2889	416.6481	7	S	7	**647.3359**	324.1716
889.3104	445.1588	8	G	6	560.3038	280.6556
960.3475	**480.6774**	9	A	5	503.2824	252.1448
1075.3745	538.1909	10	D	4	432.2453	216.6263
1146.4116	573.7094	11	A	3	**317.2183**	159.1128
1245.4800	623.2436	12	V	2	246.1812	123.5942
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SLS$_{167}$LS$_{167}$PC$_{160}$TR.A/2

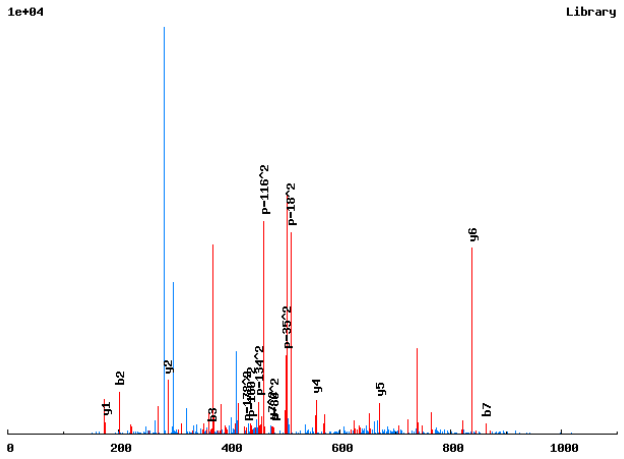
0.943



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
201.1234	101.0653	2	L	8	1093.4149	547.2111
368.1217	184.5645	3	S[167]	7	**980.3308**	**490.6691**
481.2058	241.1065	4	L	6	**813.3325**	407.1699
648.2042	324.6057	5	S[167]	5	**700.2484**	**350.6278**
745.2569	373.1321	6	P	4	**533.2500**	267.1287
905.2876	**453.1474**	7	C[160]	3	436.1973	218.6023
1006.3352	**503.6713**	8	T	2	**276.1666**	138.5870
		9	R	1	175.1190	88.0631

K.SLS$_{167}$NS$_{167}$TLR.H/2

0.6571

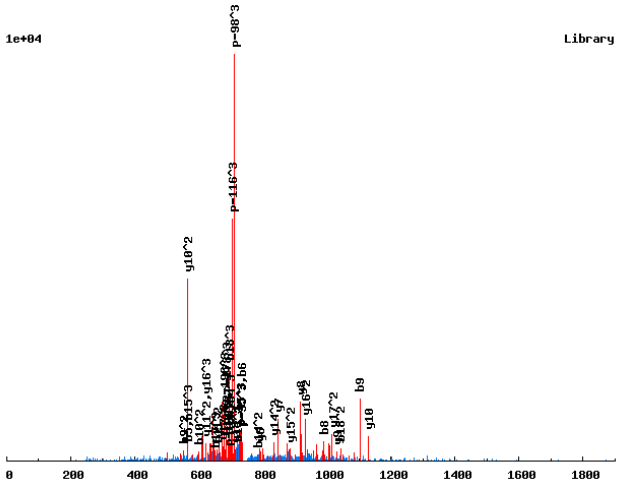


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
201.1234	101.0653	2	L	7	950.3744	**475.6908**
368.1217	184.5645	3	S[167]	6	**837.2903**	419.1488
482.1647	241.5860	4	N	5	**670.2920**	335.6496
649.1630	325.0852	5	S[167]	4	**556.2491**	278.6282
750.2107	375.6090	6	T	3	389.2507	195.1290
863.2948	432.1510	7	L	2	**288.2030**	144.6051
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.SLS$_{167}$PTS$_{167}$EKIPIAGQEQEEK.K/3

0.9733

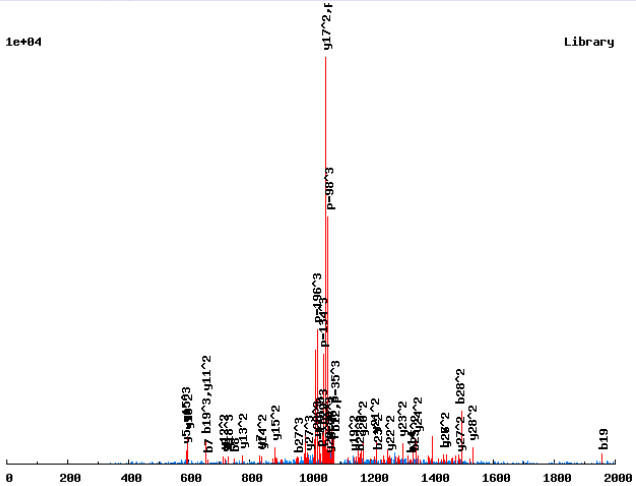


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	**1**	**S**	**19**			
201.1234	101.0653	67.7126	**2**	**L**	**18**	2143.9560	1072.4816	**715.3235**
368.1217	184.5645	123.3788	**3**	**S[167]**	**17**	2030.8719	**1015.9396**	**677.6288**
465.1745	233.0909	155.7297	**4**	**P**	**16**	1863.8735	**932.4404**	**621.9627**
566.2222	283.6147	189.4122	**5**	**T**	**15**	1766.8208	**883.9140**	589.6118
733.2205	367.1139	245.0784	**6**	**S[167]**	**14**	1665.7731	**833.3902**	555.9292
862.2631	431.6352	288.0926	**7**	**E**	**13**	1498.7747	749.8910	500.2631
990.3581	495.6827	330.7909	**8**	**K**	**12**	1369.7321	**685.3697**	457.2489
1103.4421	**552.2247**	368.4856	**9**	**I**	**11**	1241.6372	**621.3222**	414.5506
1200.4949	**600.7511**	400.8365	**10**	**P**	**10**	**1128.5531**	**564.7802**	376.8559
1313.5790	**657.2931**	438.5312	**11**	**I**	**9**	**1031.5004**	516.2538	344.5050
1384.6161	**692.8117**	462.2102	**12**	**A**	**8**	**918.4163**	459.7118	306.8103
1441.6375	**721.3224**	481.2174	**13**	**G**	**7**	**847.3792**	424.1932	283.1313
1569.6961	**785.3517**	523.9036	**14**	**Q**	**6**	**790.3577**	395.6825	264.1241
1698.7387	849.8730	**566.9178**	**15**	**E**	**5**	**662.2992**	331.6532	221.4379
1826.7973	913.9023	609.6039	**16**	**Q**	**4**	533.2566	267.1319	178.4237
1955.8399	978.4236	**652.6181**	**17**	**E**	**3**	405.1980	203.1026	135.7375
2084.8825	**1042.9449**	**695.6323**	**18**	**E**	**2**	276.1554	138.5813	92.7233
			19	**K**	**1**	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SLSSAQSSSSGPSS$_{167}$S$_{167}$SEEDDSRDIESLDKK.I/3

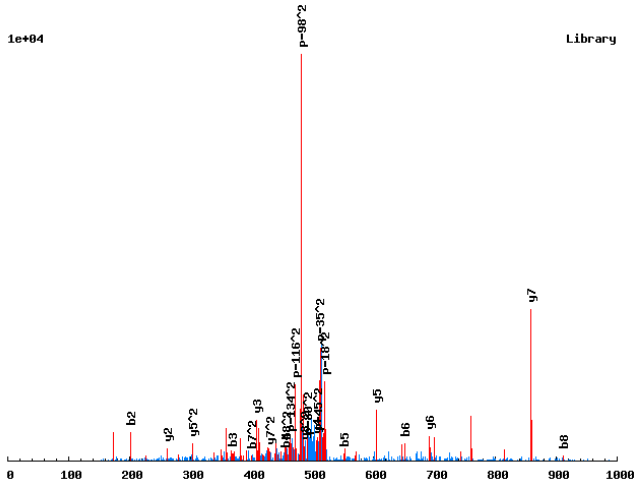
0.927



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	30			
201.1234	101.0653	67.7126	2	L	29	3175.2835	1588.1454	**1059.0994**
288.1554	144.5813	96.7233	3	S	28	3062.1995	**1531.6034**	**1021.4047**
375.1874	188.0974	125.7340	4	S	27	2975.1674	**1488.0874**	**992.3940**
446.2245	223.6159	149.4130	5	A	26	2888.1354	**1444.5713**	963.3833
574.2831	287.6452	192.0992	6	Q	25	2817.0983	1409.0528	939.7043
661.3152	331.1612	221.1099	7	S	24	2689.0397	**1345.0235**	897.0181
748.3472	374.6772	250.1206	8	S	23	2602.0077	**1301.5075**	868.0074
835.3792	418.1932	279.1313	9	S	22	2514.9756	**1257.9915**	838.9967
922.4112	461.7093	308.1419	10	S	21	2427.9436	**1214.4754**	809.9861
979.4327	490.2200	327.1491	11	G	20	2340.9116	**1170.9594**	780.9754
1076.4855	538.7464	359.5000	12	P	19	2283.8901	**1142.4487**	761.9682
1163.5175	582.2624	388.5107	13	S	18	2186.8374	1093.9223	**729.6173**
1330.5159	665.7616	444.1768	14	S[167]	17	2099.8053	**1050.4063**	700.6066
1497.5142	749.2607	499.8429	15	S[167]	16	1932.8070	966.9071	644.9405
1584.5462	792.7768	528.8536	16	S	15	1765.8086	**883.4079**	**589.2744**
1713.5888	857.2981	571.8678	17	E	14	1678.7766	**839.8919**	560.2637
1842.6314	921.8194	614.8820	18	E	13	1549.7340	**775.3706**	517.2495
1957.6584	979.3328	**653.2243**	19	D	12	1420.6914	**710.8493**	474.2353
2072.6853	1036.8463	691.5666	20	D	11	1305.6645	**653.3359**	435.8930
2159.7173	1080.3623	720.5773	21	S	10	1190.6375	**595.8224**	397.5507
2315.8184	**1158.4129**	772.6110	22	R	9	1103.6055	552.3064	368.5400
2430.8454	**1215.9263**	810.9533	23	D	8	947.5044	474.2558	316.5063
2543.9294	1272.4684	848.6480	24	I	7	**832.4774**	416.7424	278.1640
2672.9720	**1336.9897**	891.6622	25	E	6	**719.3934**	360.2003	240.4693
2760.0041	1380.5057	920.6729	26	S	5	**590.3508**	295.6790	197.4551
2873.0881	**1437.0477**	**958.3676**	27	L	4	503.3188	252.1630	168.4444
2988.1151	**1494.5612**	996.7099	28	D	3	390.2347	195.6210	130.7498
3116.2100	1558.6087	**1039.4082**	29	K	2	275.2078	138.1075	92.4074
			30	K	1	147.1128	74.0600	49.7091

R.SLS$_{167}$SPVFNK.I/2

0.9867

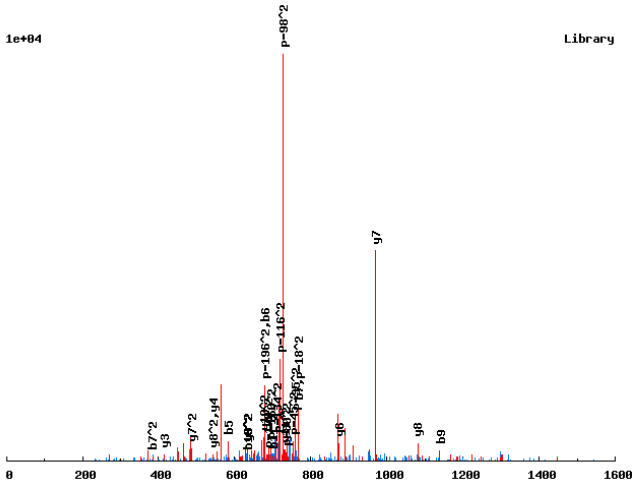


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
201.1234	101.0653	2	L	8	971.4598	**486.2335**
368.1217	184.5645	3	S[167]	7	**858.3757**	**429.6915**
455.1538	228.0805	4	S	6	**691.3773**	346.1923
552.2065	276.6069	5	P	5	**604.3453**	**302.6763**
651.2749	326.1411	6	V	4	**507.2926**	254.1499
798.3433	**399.6753**	7	F	3	**408.2241**	204.6157
912.3863	**456.6968**	8	N	2	**261.1557**	131.0815
		9	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SLST$_{181}$IPSY$_{243}$EQMK$_{136}$.R/2

0.6824

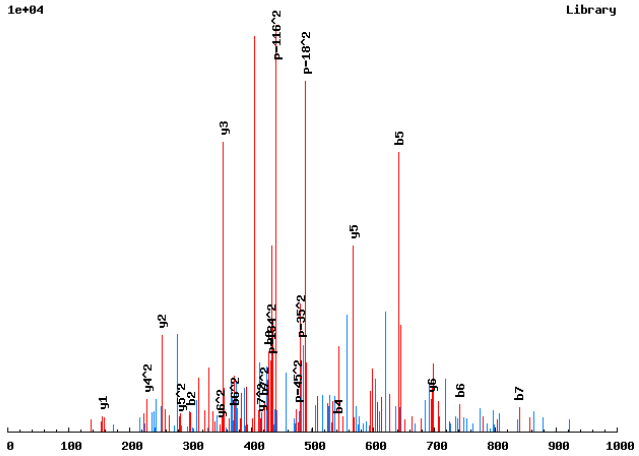


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
201.1234	101.0653	2	L	11	1464.5973	**732.8023**
288.1554	144.5813	3	S	10	1351.5132	**676.2602**
469.1694	235.0883	4	T[181]	9	1264.4812	**632.7442**
582.2535	291.6304	5	I	8	**1083.4672**	**542.2372**
679.3062	340.1568	6	P	7	**970.3831**	**485.6952**
766.3383	**383.6728**	7	S	6	**873.3304**	437.1688
1009.3679	505.1876	8	Y[243]	5	786.2983	393.6528
1138.4105	569.7089	9	E	4	**543.2687**	272.1380
1266.4691	**633.7382**	10	Q	3	**414.2261**	207.6167
1397.5096	**699.2584**	11	M	2	286.1675	143.5874
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$MENVTPK$_{136}$.I/2

0.7824

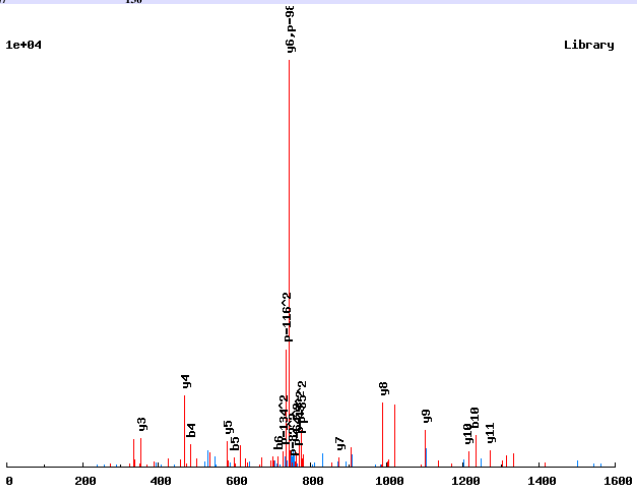


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	8		
299.0461	150.0267	2	M	7	826.4219	**413.7146**
428.0887	214.5480	3	E	6	**695.3814**	**348.1943**
542.1317	271.5695	4	N	5	**566.3388**	**283.6730**
641.2001	321.1037	5	V	4	452.2958	**226.6516**
742.2477	**371.6275**	6	T	3	**353.2274**	177.1174
839.3005	**420.1539**	7	P	2	**252.1798**	126.5935
		8	K[136]	1	**155.1270**	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$M$_{147}$GLLDEYIDPTK$_{136}$.K/2

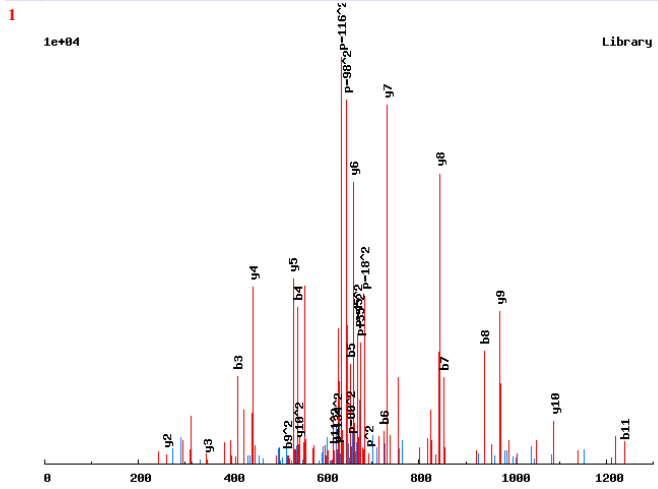
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
315.0410	158.0242	2	M[147]	12	1418.6963	709.8518
372.0625	186.5349	3	G	11	**1271.6609**	636.3341
485.1466	243.0769	4	L	10	**1214.6394**	607.8233
598.2306	299.6190	5	L	9	**1101.5554**	551.2813
713.2576	357.1324	6	D	8	**988.4713**	494.7393
842.3002	421.6537	7	E	7	**873.4444**	437.2258
1005.3635	503.1854	8	Y	6	**744.4018**	372.7045
1118.4475	559.7274	9	I	5	**581.3384**	291.1729
1233.4745	617.2409	10	D	4	**468.2544**	234.6308
1330.5272	665.7673	11	P	3	**353.2274**	177.1174
1431.5749	716.2911	12	T	2	256.1747	128.5910
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$MLEIAESPSLK.Q/2

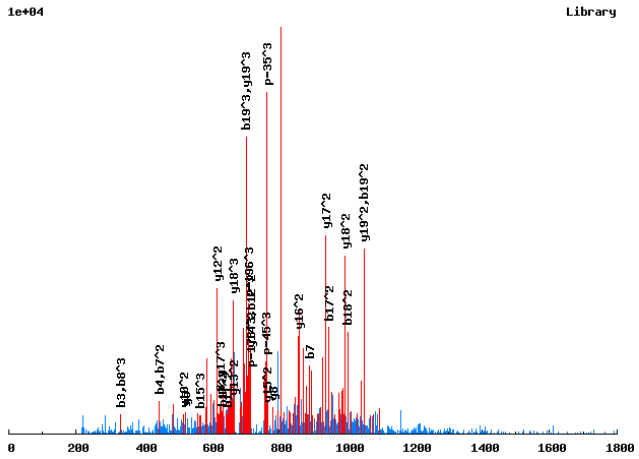


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
299.0461	150.0267	2	M	11	1217.6446	609.3259
412.1302	206.5687	3	L	10	**1086.6041**	**543.8057**
541.1728	271.0900	4	E	9	**973.5200**	487.2637
654.2568	327.6321	5	I	8	**844.4774**	422.7424
725.2940	363.1506	6	A	7	**731.3934**	366.2003
854.3365	427.6719	7	E	6	**660.3563**	330.6818
941.3686	471.1879	8	S	5	**531.3137**	266.1605
1038.4213	**519.7143**	9	P	4	**444.2817**	222.6445
1125.4534	563.2303	10	S	3	**347.2289**	174.1181
1238.5374	**619.7724**	11	L	2	**260.1969**	130.6021
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SMLNS$_{167}$T$_{181}$PTTPTHNGPTPLPAK.A/3

0.7211

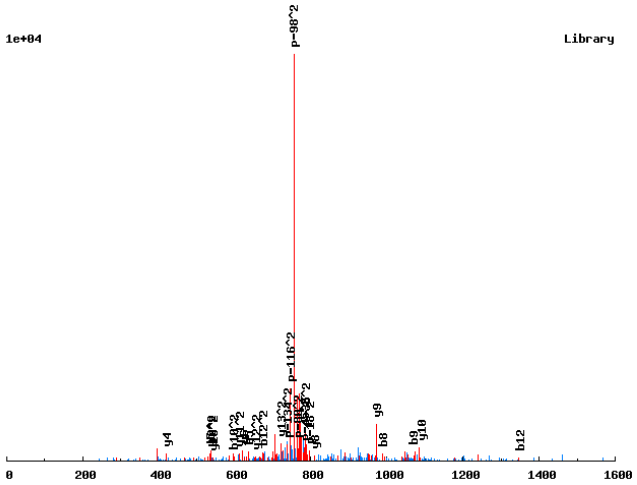


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	21			
219.0798	110.0435	73.6981	2	M	20	2234.9916	1117.9995	745.6687
332.1639	166.5856	111.3928	3	L	19	2103.9512	**1052.4792**	**701.9886**
446.2068	223.6070	149.4071	4	N	18	1990.8671	**995.9372**	**664.2939**
613.2052	307.1062	205.0732	5	S[167]	17	1876.8242	**938.9157**	**626.2796**
794.2192	397.6132	265.4112	6	T[181]	16	1709.8258	**855.4165**	570.6135
891.2719	**446.1396**	297.7622	7	P	15	1528.8118	**764.9095**	510.2754
992.3196	496.6634	**331.4447**	8	T	14	1431.7590	**716.3832**	477.9245
1093.3673	547.1873	365.1273	9	T	13	1330.7114	**665.8593**	444.2420
1190.4200	595.7137	397.4782	10	P	12	1229.6637	**615.3355**	410.5594
1291.4677	**646.2375**	431.1608	11	T	11	1132.6109	566.8091	378.2085
1428.5266	**714.7670**	476.8471	12	H	10	1031.5632	**516.2853**	344.5259
1542.5696	771.7884	514.8614	13	N	9	894.5043	447.7558	298.8396
1599.5910	800.2992	533.8685	14	G	8	**780.4614**	390.7343	260.8253
1696.6438	848.8255	**566.2194**	15	P	7	723.4399	362.2236	241.8182
1797.6915	899.3494	599.9020	16	T	6	**626.3872**	313.6972	209.4672
1894.7442	**947.8758**	**632.2529**	17	P	5	**525.3395**	263.1734	175.7847
2007.8283	**1004.4178**	669.9476	18	L	4	428.2867	214.6470	143.4338
2104.8810	**1052.9442**	**702.2985**	19	P	3	315.2027	158.1050	105.7391
2175.9182	1088.4627	725.9776	20	A	2	218.1499	109.5786	73.3882
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$MSHIYSTSNSASR.Q/2

0.9448

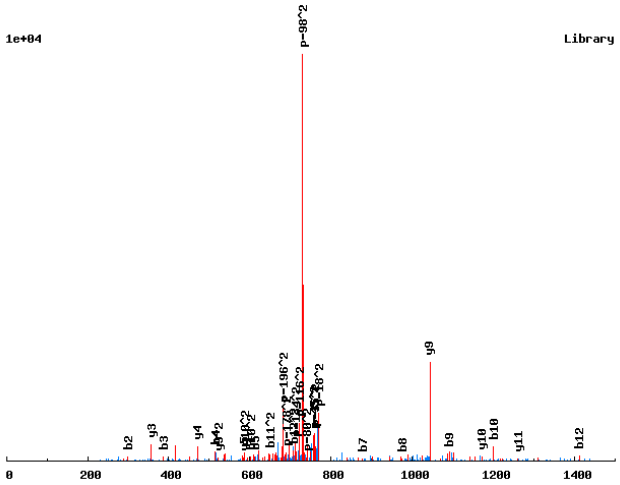


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	**1**	**S[167]**	**14**		
299.0461	150.0267	**2**	**M**	**13**	1440.6536	**720.8304**
386.0782	193.5427	**3**	**S**	**12**	1309.6131	**655.3102**
523.1371	262.0722	**4**	**H**	**11**	1222.5811	**611.7942**
636.2211	318.6142	**5**	**I**	**10**	**1085.5222**	**543.2647**
799.2845	400.1459	**6**	**Y**	**9**	**972.4381**	486.7227
886.3165	443.6619	**7**	**S**	**8**	**809.3748**	405.1910
987.3642	494.1857	**8**	**T**	**7**	722.3428	361.6750
1074.3962	**537.7017**	**9**	**S**	**6**	**621.2951**	311.1512
1188.4391	**594.7232**	**10**	**N**	**5**	**534.2631**	267.6352
1275.4712	638.2392	**11**	**S**	**4**	**420.2201**	210.6137
1346.5083	**673.7578**	**12**	**A**	**3**	333.1881	167.0977
1433.5403	717.2738	**13**	**S**	**2**	262.1510	131.5791
		14	**R**	**1**	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$MSKPS$_{167}$PVLLPLK.S/2

0.9885

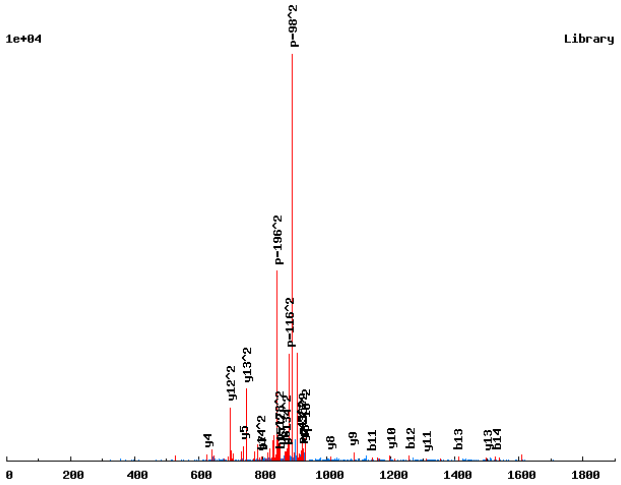


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
299.0461	150.0267	2	M	12	1389.7575	695.3824
386.0782	193.5427	3	S	11	**1258.7170**	629.8622
514.1731	257.5902	4	K	10	**1171.6850**	**586.3461**
611.2259	306.1166	5	P	9	**1043.5900**	**522.2987**
778.2242	389.6158	6	S[167]	8	946.5373	473.7723
875.2770	438.1421	7	P	7	779.5389	390.2731
974.3454	487.6763	8	V	6	682.4862	341.7467
1087.4295	544.2184	9	L	5	**583.4177**	292.2125
1200.5135	**600.7604**	10	L	4	**470.3337**	235.6705
1297.5663	**649.2868**	11	P	3	**357.2496**	179.1284
1410.6504	**705.8288**	12	L	2	260.1969	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$MSPSNIASGEDRIT$_{181}$R.T/2

0.947

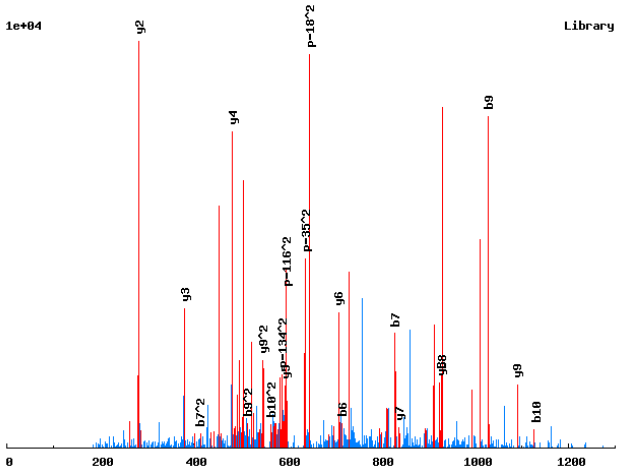


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	16		
299.0461	150.0267	2	M	15	1713.7626	857.3849
386.0782	193.5427	3	S	14	1582.7221	**791.8647**
483.1309	242.0691	4	P	13	**1495.6900**	**748.3487**
570.1630	285.5851	5	S	12	1398.6373	**699.8223**
684.2059	342.6066	6	N	11	**1311.6053**	656.3063
797.2899	399.1486	7	I	10	**1197.5623**	599.2848
868.3271	434.6672	8	A	9	**1084.4783**	542.7428
955.3591	478.1832	9	S	8	**1013.4412**	507.2242
1012.3805	506.6939	10	G	7	**926.4091**	463.7082
1141.4231	571.2152	11	E	6	**869.3877**	435.1975
1256.4501	628.7287	12	D	5	**740.3451**	370.6762
1412.5512	706.7792	13	R	4	**625.3181**	313.1627
1525.6352	763.3213	14	I	3	469.2170	235.1122
1706.6493	**853.8283**	15	T[181]	2	356.1330	178.5701
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SMS$_{167}$SENITVPR$_{166}$.S/2

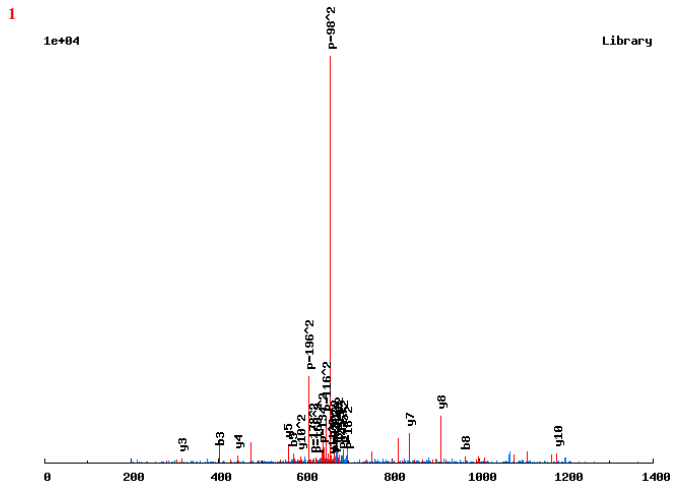
0.9225



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
219.0798	110.0435	2	M	10	1223.5365	612.2719
386.0782	193.5427	3	S[167]	9	**1092.4960**	**546.7517**
473.1102	237.0587	4	S	8	**925.4977**	463.2525
602.1528	301.5800	5	E	7	**838.4656**	419.7365
716.1957	358.6015	6	N	6	**709.4231**	355.2152
829.2798	**415.1435**	7	I	5	**595.3801**	298.1937
930.3275	465.6674	8	T	4	**482.2961**	241.6517
1029.3959	**515.2016**	9	V	3	**381.2484**	191.1278
1126.4486	**563.7280**	10	P	2	**282.1800**	141.5936
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SM$_{147}$S$_{167}$VAS$_{167}$LDQLGK.N/2

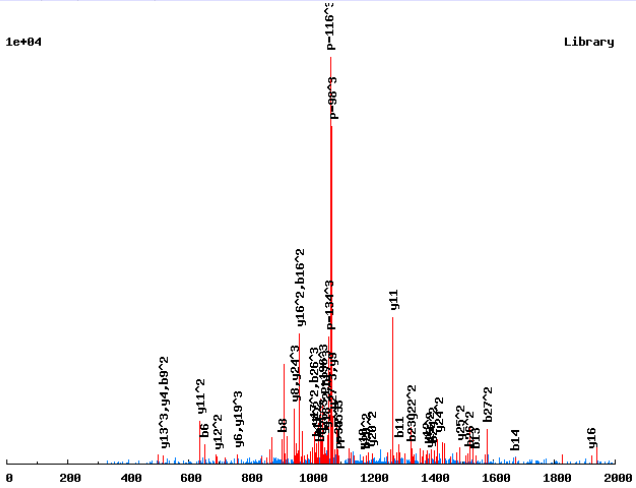


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
235.0747	118.0410	2	M[147]	11	1324.5255	**662.7664**
402.0731	201.5402	3	S[167]	10	**1177.4901**	**589.2487**
501.1415	251.0744	4	V	9	1010.4918	505.7495
572.1786	286.5929	5	A	8	**911.4234**	456.2153
739.1770	370.0921	6	S[167]	7	**840.3863**	420.6968
852.2610	426.6341	7	L	6	**673.3879**	337.1976
967.2880	484.1476	8	D	5	**560.3038**	280.6556
1095.3465	548.1769	9	Q	4	**445.2769**	223.1421
1208.4306	604.7189	10	L	3	**317.2183**	159.1128
1265.4521	633.2297	11	G	2	204.1343	102.5708
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SNEFGDSS$_{167}$ES$_{167}$SVRESS$_{167}$IPVEGELEQLQK.L/3

0.8427

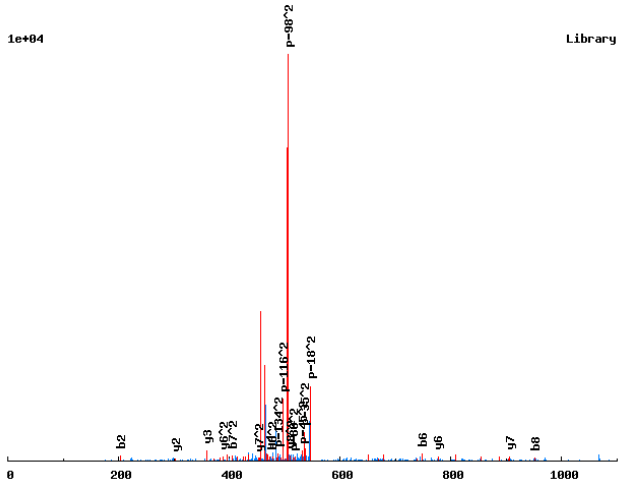


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	28			
202.0822	101.5448	68.0323	2	N	27	3220.3007	1610.6540	**1074.1051**
331.1248	166.0661	111.0465	3	E	26	3106.2578	1553.6325	**1036.0908**
478.1932	239.6003	160.0693	4	F	25	2977.2152	**1489.1113**	993.0766
535.2147	268.1110	179.0764	5	G	24	2830.1468	**1415.5770**	**944.0538**
650.2416	325.6245	217.4187	6	D	23	2773.1254	**1387.0663**	925.0466
737.2737	369.1405	246.4294	7	S	22	2658.0984	**1329.5528**	886.7043
904.2720	452.6397	302.0955	8	S[167]	21	2571.0664	1286.0368	857.6936
1033.3146	**517.1610**	345.1097	9	E	20	2404.0680	**1202.5377**	802.0275
1200.3130	600.6601	400.7758	10	S[167]	19	2275.0254	1138.0164	**759.0133**
1287.3450	644.1761	429.7865	11	S	18	2108.0271	**1054.5172**	703.3472
1386.4134	693.7104	462.8093	12	V	17	2020.9950	**1011.0012**	674.3365
1542.5145	771.7609	514.8430	13	R	16	**1921.9266**	**961.4670**	641.3137
1671.5571	836.2822	557.8572	14	E	15	1765.8255	883.4164	589.2800
1758.5892	879.7982	586.8679	15	S	14	1636.7829	818.8951	546.2658
1925.5875	**963.2974**	642.5340	16	S[167]	13	1549.7509	775.3791	**517.2552**
2038.6716	**1019.8394**	680.2287	17	I	12	**1382.7525**	**691.8799**	461.5890
2135.7243	1068.3658	712.5796	18	P	11	**1269.6685**	**635.3379**	423.8943
2234.7927	1117.9000	745.6024	19	V	10	**1172.6157**	586.8115	391.5434
2363.8353	**1182.4213**	788.6166	20	E	9	**1073.5473**	537.2773	358.5206
2420.8568	1210.9320	807.6238	21	G	8	**944.5047**	472.7560	315.5064
2549.8994	1275.4533	850.6380	22	E	7	887.4833	444.2453	296.4993
2662.9834	**1331.9954**	888.3327	23	L	6	**758.4407**	379.7240	253.4851
2792.0260	**1396.5167**	931.3469	24	E	5	645.3566	323.1819	215.7904
2920.0846	1460.5459	974.0331	25	Q	4	**516.3140**	258.6607	172.7762
3033.1687	**1517.0880**	**1011.7277**	26	L	3	388.2554	194.6314	130.0900
3161.2273	**1581.1173**	**1054.4139**	27	Q	2	275.1714	138.0893	92.3953
			28	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.SNES$_{167}$HLGFK$_{136}$.K/2

0.7702

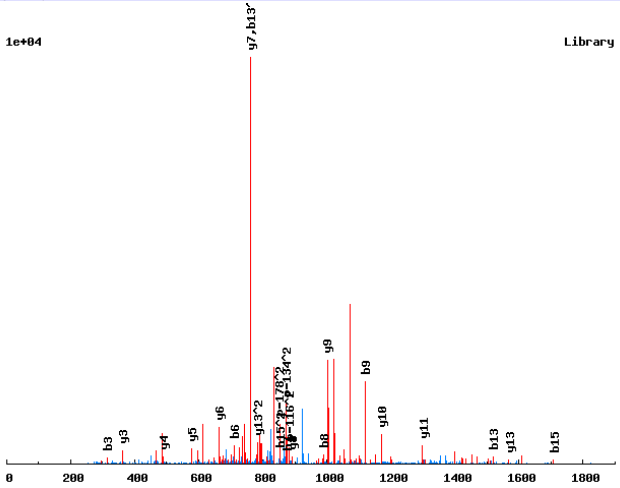


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
202.0822	101.5448	2	N	8	1019.4437	**510.2255**
331.1248	166.0661	3	E	7	**905.4008**	**453.2040**
498.1232	249.5652	4	S[167]	6	**776.3582**	**388.6827**
635.1821	318.0947	5	H	5	609.3598	305.1836
748.2662	374.6367	6	L	4	**472.3009**	236.6541
805.2876	**403.1475**	7	G	3	**359.2169**	180.1121
952.3560	**476.6817**	8	F	2	**302.1954**	151.6013
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.SNIST$_{181}$KS$_{167}$LEPSSESVR.Q/2

0.9808

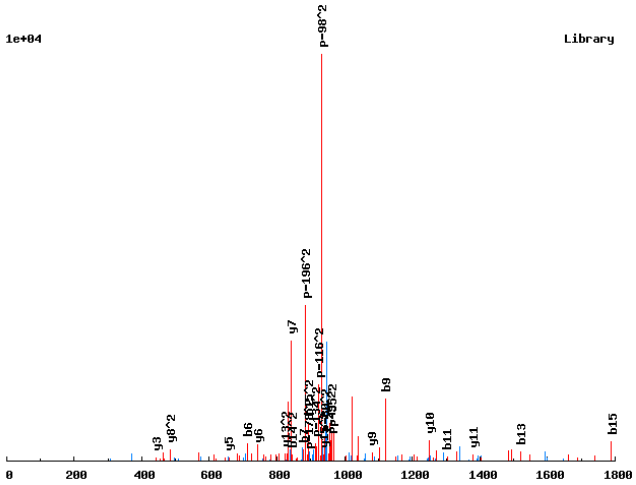


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	16		
202.0822	101.5448	2	N	15	1793.7718	897.3895
315.1663	158.0868	3	I	14	1679.7289	840.3681
402.1983	201.6028	4	S	13	**1566.6448**	**783.8260**
583.2123	292.1098	5	T[181]	12	1479.6128	740.3100
711.3073	356.1573	6	K	11	**1298.5988**	649.8030
878.3057	439.6565	7	S[167]	10	**1170.5038**	585.7555
991.3897	496.1985	8	L	9	**1003.5054**	502.2564
1120.4323	560.7198	9	E	8	**890.4214**	445.7143
1217.4851	609.2462	10	P	7	**761.3788**	381.1930
1304.5171	652.7622	11	S	6	**664.3260**	332.6667
1391.5491	696.2782	12	S	5	**577.2940**	289.1506
1520.5917	**760.7995**	13	E	4	**490.2620**	245.6346
1607.6238	804.3155	14	S	3	**361.2194**	181.1133
1706.6922	**853.8497**	15	V	2	274.1874	137.5973
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SNIS$_{167}$TKS$_{167}$LEPSSES$_{167}$VR.Q/2

0.935

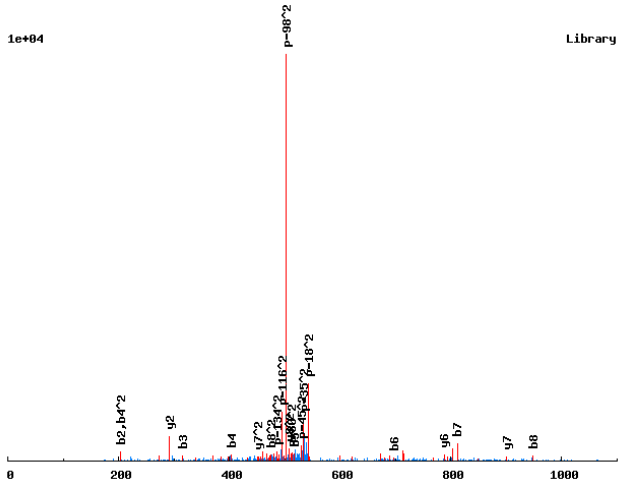


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	16		
202.0822	101.5448	2	N	15	1873.7381	**937.3727**
315.1663	158.0868	3	I	14	1759.6952	880.3512
482.1647	241.5860	4	S[167]	13	1646.6111	**823.8092**
583.2123	292.1098	5	T	12	1479.6128	740.3100
711.3073	356.1573	6	K	11	**1378.5651**	689.7862
878.3057	439.6565	7	S[167]	10	**1250.4701**	625.7387
991.3897	496.1985	8	L	9	**1083.4718**	542.2395
1120.4323	560.7198	9	E	8	970.3877	**485.6975**
1217.4851	609.2462	10	P	7	**841.3451**	421.1762
1304.5171	652.7622	11	S	6	**744.2924**	372.6498
1391.5491	696.2782	12	S	5	**657.2603**	329.1338
1520.5917	760.7995	13	E	4	570.2283	285.6178
1687.5901	**844.2987**	14	S[167]	3	**441.1857**	221.0965
1786.6585	**893.8329**	15	V	2	274.1874	137.5973
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SNLSLT$_{181}$DK$_{136}$K$_{136}$.G/2

0.8832

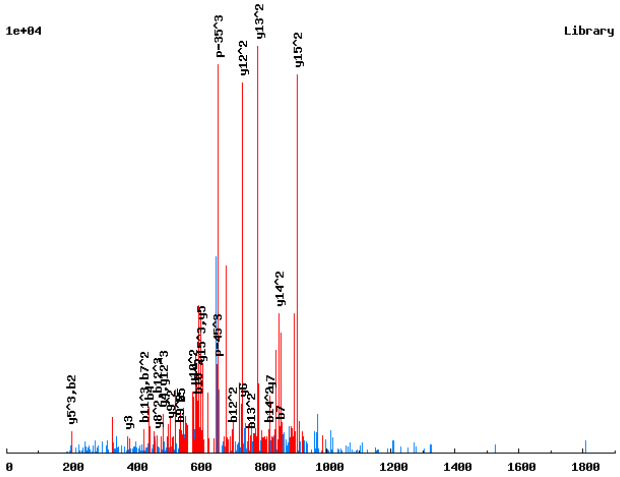


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
202.0822	101.5448	2	N	8	1014.5202	**507.7637**
315.1663	158.0868	3	L	7	**900.4773**	**450.7423**
402.1983	**201.6028**	4	S	6	**787.3932**	394.2002
515.2824	258.1448	5	L	5	700.3612	350.6842
696.2964	348.6518	6	T[181]	4	587.2771	294.1422
811.3233	406.1653	7	D	3	406.2631	203.6352
947.4325	**474.2199**	8	K[136]	2	**291.2362**	146.1217
		9	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.SNNEVT$_{181}$EHSDSEDLTEK.Q/3

0.5852

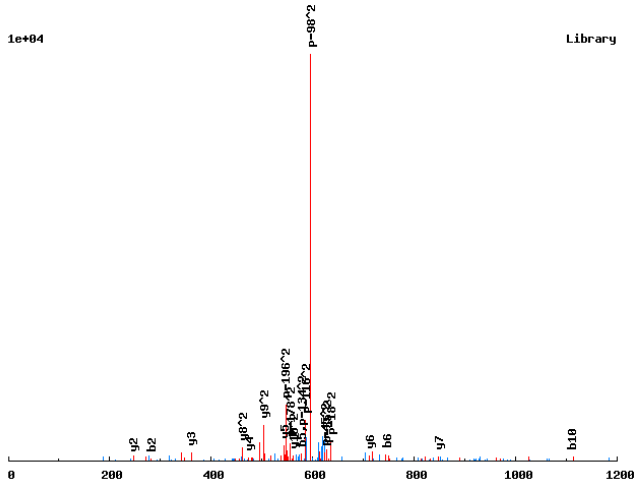


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	17			
202.0822	101.5448	68.0323	2	N	16	1926.7600	963.8837	642.9249
316.1252	158.5662	106.0466	3	N	15	1812.7171	**906.8622**	**604.9106**
445.1678	223.0875	149.0608	4	E	14	1698.6742	**849.8407**	566.8962
544.2362	272.6217	182.0836	5	V	13	1569.6316	**785.3194**	523.8820
725.2502	363.1287	242.4216	6	T[181]	12	1470.5632	**735.7852**	**490.8592**
854.2928	**427.6500**	285.4358	7	E	11	1289.5492	645.2782	430.5212
991.3517	496.1795	331.1221	8	H	10	1160.5066	**580.7569**	387.5070
1078.3837	**539.6955**	360.1328	9	S	9	1023.4477	**512.2275**	341.8207
1193.4107	**597.2090**	398.4751	10	D	8	936.4156	**468.7115**	312.8101
1280.4427	640.7250	**427.4857**	11	S	7	**821.3887**	411.1980	274.4678
1409.4853	**705.2463**	**470.4999**	12	E	6	**734.3567**	367.6820	245.4571
1524.5122	**762.7597**	508.8423	13	D	5	**605.3141**	303.1607	**202.4429**
1637.5963	**819.3018**	546.5369	14	L	4	**490.2871**	245.6472	164.1006
1738.6440	869.8256	580.2195	15	T	3	**377.2031**	189.1052	126.4059
1867.6865	934.3469	623.2337	16	E	2	276.1554	138.5813	92.7233
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$NSAHS$_{167}$ALNAR.N/2

0.9873

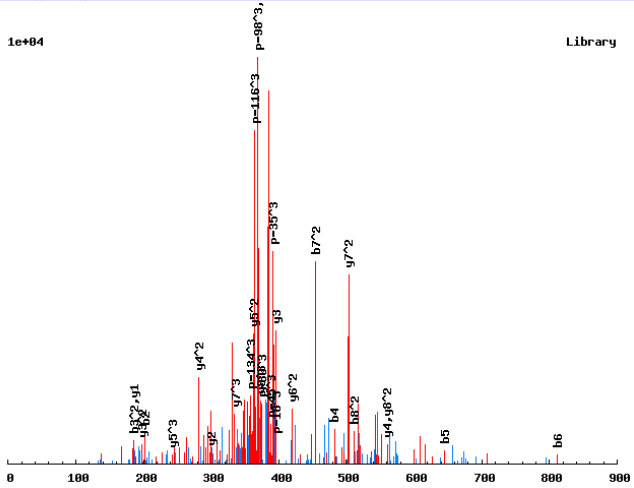


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
282.0486	141.5279	2	N	10	1120.4895	**560.7484**
369.0806	185.0439	3	S	9	1006.4466	**503.7269**
440.1177	220.5625	4	A	8	919.4145	**460.2109**
577.1766	289.0920	5	H	7	**848.3774**	424.6924
744.1750	372.5911	6	S[167]	6	**711.3185**	356.1629
815.2121	408.1097	7	A	5	**544.3202**	272.6637
928.2962	464.6517	8	L	4	**473.2830**	237.1452
1042.3391	521.6732	9	N	3	**360.1990**	180.6031
1113.3762	557.1917	10	A	2	**246.1561**	123.5817
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SNS$_{167}$IYR$_{166}$PIR$_{166}$.K/3

0.9912

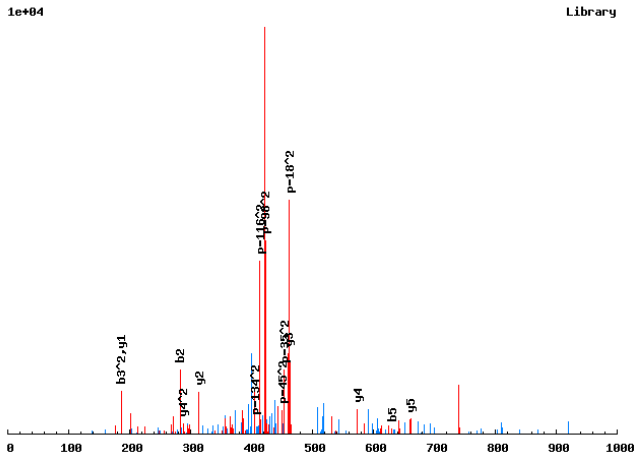


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	9			
202.0822	101.5448	68.0323	2	N	8	1118.5621	559.7847	373.5256
369.0806	185.0439	123.6984	3	S[167]	7	1004.5192	502.7632	335.5112
482.1647	241.5860	161.3931	4	I	6	837.5208	419.2640	279.8451
645.2280	323.1176	215.7475	5	Y	5	724.4367	362.7220	242.1504
811.3374	406.1723	271.1173	6	R[166]	4	561.3734	281.1903	187.7960
908.3901	454.6987	303.4682	7	P	3	395.2640	198.1357	132.4262
1021.4742	511.2407	341.1629	8	I	2	298.2113	149.6093	100.0753
			9	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$NSLFQR$_{166}$.D/2

0.9287

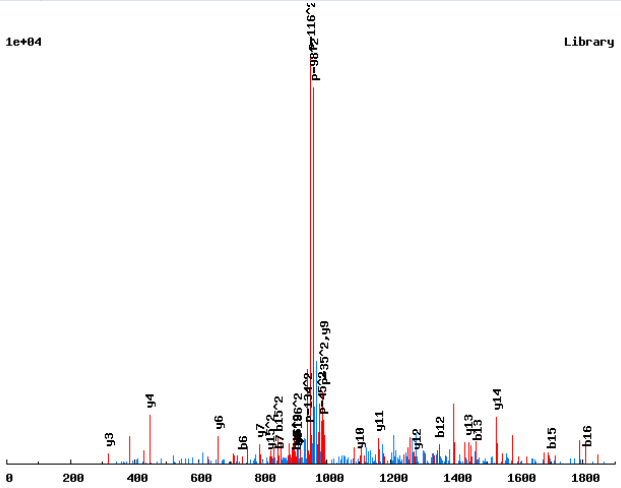


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	7		
282.0486	141.5279	2	N	6	774.4132	387.7103
369.0806	**185.0439**	3	S	5	**660.3703**	330.6888
482.1647	241.5860	4	L	4	**573.3383**	**287.1728**
629.2331	315.1202	5	F	3	**460.2542**	230.6307
757.2917	379.1495	6	Q	2	**313.1858**	157.0965
		7	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$NSLSS$_{167}$DGNSNQDVEIGK.S/2

0.998

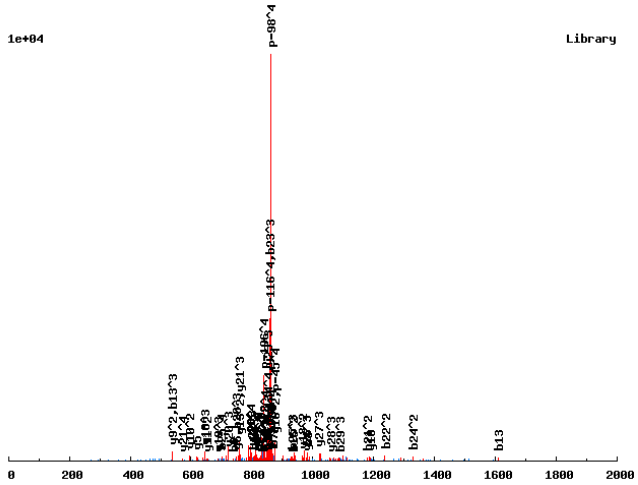


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	18		
282.0486	141.5279	2	N	17	1843.7705	922.3889
369.0806	185.0439	3	S	16	1729.7276	865.3674
482.1647	241.5860	4	L	15	1642.6956	**821.8514**
569.1967	285.1020	5	S	14	**1529.6115**	765.3094
736.1951	368.6012	6	S[167]	13	**1442.5795**	721.7934
851.2220	426.1146	7	D	12	**1275.5811**	638.2942
908.2435	454.6254	8	G	11	**1160.5542**	580.7807
1022.2864	511.6468	9	N	10	**1103.5327**	552.2700
1109.3184	555.1628	10	S	9	**989.4898**	495.2485
1223.3613	612.1843	11	N	8	**902.4578**	451.7325
1351.4199	676.2136	12	Q	7	**788.4148**	394.7111
1466.4469	733.7271	13	D	6	**660.3563**	330.6818
1565.5153	783.2613	14	V	5	545.3293	273.1683
1694.5579	**847.7826**	15	E	4	**446.2609**	223.6341
1807.6419	**904.3246**	16	I	3	**317.2183**	159.1128
1864.6634	932.8353	17	G	2	204.1343	102.5708
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$NSNKQEDS$_{167}$DDTEGKAGTTNDDTSHKPC$_{160}$SQK.Y/4

0.5883

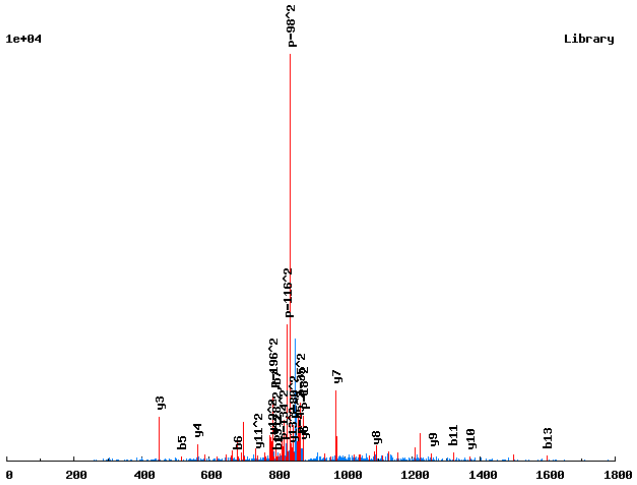


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
168.0056	84.5065	56.6734	42.7569	1	S[167]	31				
282.0486	141.5279	94.6877	71.2676	2	N	30	3374.3710	1687.6892	1125.4619	**844.3482**
369.0806	185.0439	123.6984	93.0256	3	S	29	3260.3281	1630.6677	1087.4476	**815.8375**
483.1235	242.0654	161.7127	121.5363	4	N	28	3173.2961	1587.1517	**1058.4369**	**794.0795**
611.2185	306.1129	204.4110	153.5601	5	K	27	3059.2531	1530.1302	**1020.4226**	765.5687
739.2771	370.1422	247.0972	185.5747	6	Q	26	2931.1582	1466.0827	**977.7242**	733.5450
868.3197	434.6635	290.1114	217.8354	7	E	25	2803.0996	1402.0534	935.0381	701.5304
983.3466	492.1769	328.4537	246.5921	8	D	24	2674.0570	1337.5321	892.0239	669.2697
1150.3450	575.6761	384.1198	288.3417	9	S[167]	23	2559.0301	1280.0187	**853.6815**	640.5130
1265.3719	633.1896	422.4622	317.0984	10	D	22	2392.0317	1196.5195	**798.0154**	598.7634
1380.3988	690.7031	460.8045	345.8552	11	D	21	2277.0048	1139.0060	**759.6731**	**570.0067**
1481.4465	741.2269	494.4870	371.1171	12	T	20	2161.9778	1081.4926	**721.3308**	541.2499
1610.4891	**805.7482**	**537.5012**	403.3777	13	E	19	2060.9302	1030.9687	**687.6482**	515.9880
1667.5106	**834.2589**	556.5084	417.6331	14	G	18	1931.8876	**966.4474**	**644.6340**	483.7274
1795.6055	898.3064	599.2067	449.6568	15	K	17	1874.8661	937.9367	625.6269	469.4720
1866.6426	**933.8250**	622.8857	467.4161	16	A	16	1746.7711	**873.8892**	582.9286	437.4482
1923.6641	962.3357	641.8929	481.6715	17	G	15	1675.7340	**838.3707**	559.2495	419.6890
2024.7118	1012.8595	675.5754	506.9334	18	T	14	1618.7126	**809.8599**	540.2424	405.4336
2125.7595	1063.3834	709.2580	532.1953	19	T	13	1517.6649	**759.3361**	506.5598	380.1717
2239.8024	1120.4048	**747.2723**	560.7061	20	N	12	1416.6172	708.8122	472.8773	354.9098
2354.8293	**1177.9183**	785.6146	589.4628	21	D	11	1302.5743	**651.7908**	434.8629	326.3990
2469.8563	**1235.4318**	**823.9569**	618.2195	22	D	10	**1187.5473**	**594.2773**	396.5206	297.6423
2570.9040	1285.9556	**857.6395**	643.4814	23	T	9	1072.5204	**536.7638**	358.1783	268.8856
2657.9360	**1329.4716**	886.6502	665.2395	24	S	8	971.4727	486.2400	324.4958	243.6236
2794.9949	1398.0011	**932.3365**	**699.5042**	25	H	7	884.4407	442.7240	295.4851	221.8656
2923.0899	1462.0486	975.0348	731.5279	26	K	6	**747.3818**	374.1945	249.7988	187.6009
3020.1426	1510.5749	1007.3857	755.7911	27	P	5	**619.2868**	310.1471	207.1005	155.5772
3180.1733	1590.5903	1060.7293	795.7988	28	C[160]	4	522.2341	261.6207	174.7495	131.3140
3267.2053	1634.1063	**1089.7400**	817.5568	29	S	3	362.2034	181.6053	121.4060	91.3063
3395.2639	1698.1356	1132.4261	**849.5714**	30	Q	2	275.1714	138.0893	92.3953	69.5483
				31	K	1	147.1128	74.0600	49.7091	37.5337

Annotated spectra from Saleem et. al. 2009

K.SNSNNS$_{167}$NPS$_{167}$FIFER.T/2

0.9939

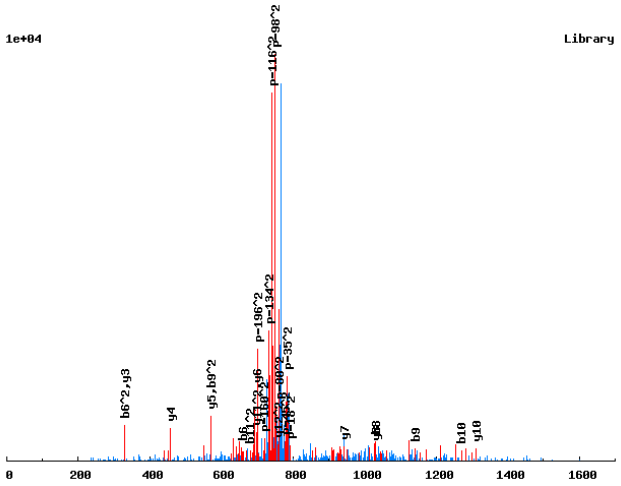


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	14		
202.0822	101.5448	2	N	13	1685.6357	**843.3215**
289.1143	145.0608	3	S	12	1571.5927	**786.3000**
403.1572	202.0822	4	N	11	1484.5607	**742.7840**
517.2001	259.1037	5	N	10	**1370.5178**	685.7625
684.1985	342.6029	6	S[167]	9	**1256.4748**	628.7411
798.2414	399.6244	7	N	8	**1089.4765**	545.2419
895.2942	448.1507	8	P	7	**975.4335**	488.2204
1062.2925	531.6499	9	S[167]	6	**878.3808**	439.6940
1209.3610	605.1841	10	F	5	711.3824	356.1949
1322.4450	661.7261	11	I	4	**564.3140**	282.6606
1469.5134	735.2604	12	F	3	**451.2299**	226.1186
1598.5560	**799.7816**	13	E	2	304.1615	152.5844
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SNSS$_{167}$NSY$_{243}$ELESGR$_{166}$.S/2

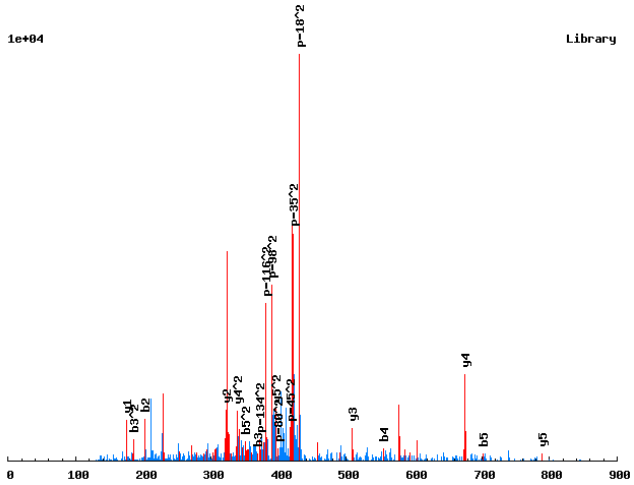
0.959



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
202.0822	101.5448	2	N	12	1512.5279	**756.7676**
289.1143	145.0608	3	S	11	1398.4850	**699.7461**
456.1126	228.5600	4	S[167]	10	**1311.4529**	656.2301
570.1556	285.5814	5	N	9	1144.4546	572.7309
657.1876	**329.0974**	6	S	8	**1030.4116**	515.7095
900.2173	450.6123	7	Y[243]	7	**943.3796**	472.1934
1029.2598	515.1336	8	E	6	**700.3499**	350.6786
1142.3439	**571.6756**	9	L	5	**571.3074**	286.1573
1271.3865	636.1969	10	E	4	**458.2233**	229.6153
1358.4185	**679.7129**	11	S	3	**329.1807**	165.0940
1415.4400	708.2236	12	G	2	242.1487	121.5780
		13	R[166]	1	185.1272	93.0672

R.SNS$_{167}$WFR.R/2

0.5956

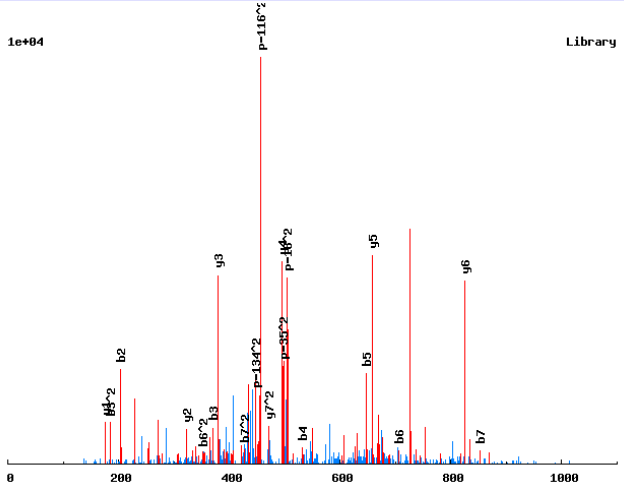


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	6		
202.0822	101.5448	2	N	5	789.3080	395.1576
369.0806	185.0439	3	S[167]	4	675.2650	338.1362
555.1599	278.0836	4	W	3	508.2667	254.6370
702.2283	351.6178	5	F	2	322.1874	161.5973
		6	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SNS$_{167}$YDGFR.T/2

0.9945

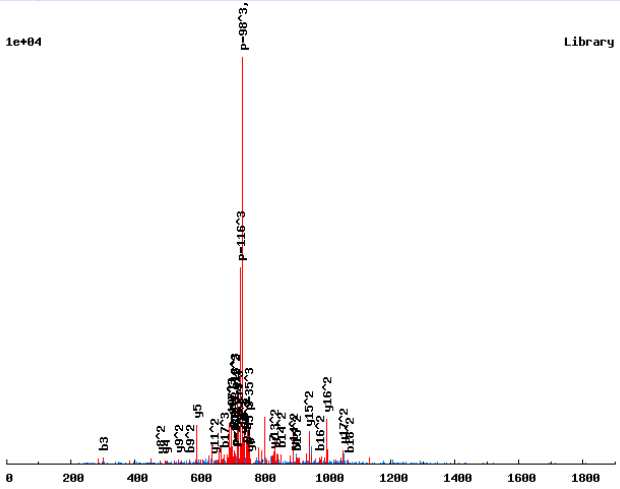


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
202.0822	101.5448	2	N	7	938.3404	469.6738
369.0806	185.0439	3	S[167]	6	824.2975	412.6524
532.1439	266.5756	4	Y	5	657.2991	329.1532
647.1709	324.0891	5	D	4	494.2358	247.6215
704.1923	352.5998	6	G	3	379.2088	190.1080
851.2607	426.1340	7	F	2	322.1874	161.5973
		8	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SNTLTDY$_{243}$MHSNKAS$_{167}$PFSSR.R/3

0.8831

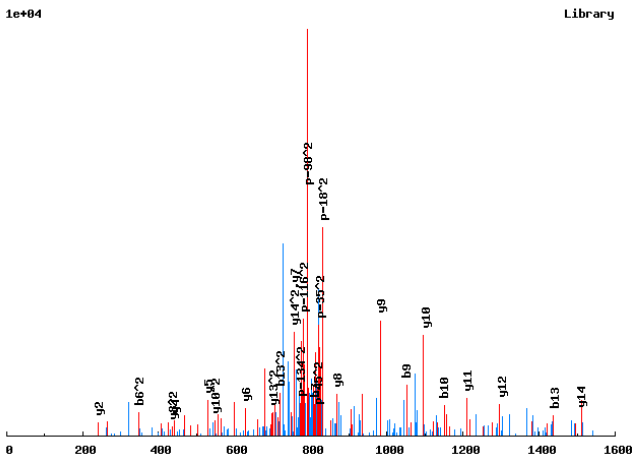


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	19			
202.0822	101.5448	68.0323	2	N	18	2215.8879	1108.4476	**739.3008**
303.1299	152.0686	101.7148	3	T	17	2101.8450	**1051.4261**	**701.2865**
416.2140	208.6106	139.4095	4	L	16	2000.7973	**1000.9023**	667.6040
517.2617	259.1345	173.0921	5	T	15	1887.7133	**944.3603**	629.9093
632.2886	316.6479	211.4344	6	D	14	1786.6656	**893.8364**	596.2267
875.3183	438.1628	292.4443	7	Y[243]	13	1671.6386	**836.3230**	557.8844
1006.3588	503.6830	336.1244	8	M	12	1428.6090	**714.8081**	476.8745
1143.4177	**572.2125**	381.8107	9	H	11	1297.5685	**649.2879**	433.1943
1230.4497	615.7285	410.8214	10	S	10	1160.5096	580.7584	387.5080
1344.4926	672.7500	448.8357	11	N	9	1073.4775	**537.2424**	358.4974
1472.5876	**736.7974**	491.5340	12	K	8	959.4346	**480.2209**	320.4831
1543.6247	772.3160	515.2131	13	A	7	**831.3397**	416.1735	277.7847
1710.6231	**855.8152**	570.8792	14	S[167]	6	**760.3025**	380.6549	254.1057
1807.6758	**904.3415**	603.2301	15	P	5	**593.3042**	297.1557	198.4396
1954.7442	**977.8758**	652.2529	16	F	4	**496.2514**	248.6293	166.0887
2041.7763	1021.3918	**681.2636**	17	S	3	349.1830	175.0951	117.0659
2128.8083	**1064.9078**	**710.2743**	18	S	2	262.1510	131.5791	88.0552
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$NTSLLNLQVSSLSK$_{136}$.T/2

0.9996

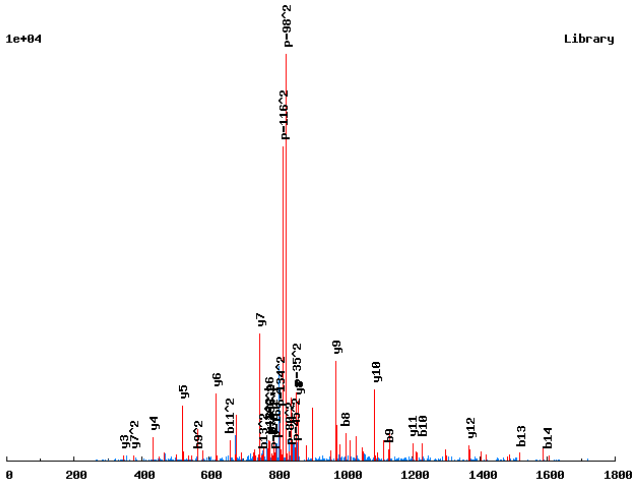


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	15		
282.0486	141.5279	2	N	14	1511.8519	756.4296
383.0963	192.0518	3	T	13	1397.8090	699.4081
470.1283	235.5678	4	S	12	1296.7613	648.8843
583.2123	292.1098	5	L	11	1209.7292	605.3683
696.2964	348.6518	6	L	10	1096.6452	548.8262
810.3393	405.6733	7	N	9	983.5611	492.2842
923.4234	462.2153	8	L	8	869.5182	435.2627
1051.4820	526.2446	9	Q	7	756.4341	378.7207
1150.5504	575.7788	10	V	6	628.3756	314.6914
1237.5824	619.2948	11	S	5	529.3071	265.1572
1324.6144	662.8109	12	S	4	442.2751	221.6412
1437.6985	719.3529	13	L	3	355.2431	178.1252
1524.7305	762.8689	14	S	2	242.1590	121.5832
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SNT$_{181}$S$_{167}$LLNLQVSSLSK.T/2

1

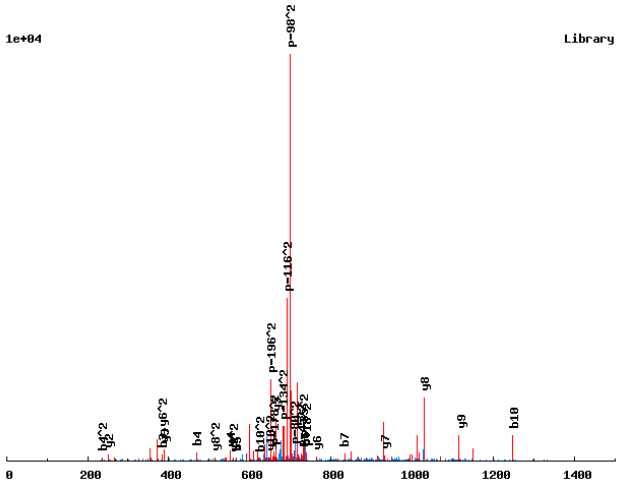


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	15		
202.0822	101.5448	2	N	14	1663.7704	832.3888
383.0963	192.0518	3	T[181]	13	1549.7274	**775.3674**
550.0946	275.5509	4	S[167]	12	**1368.7134**	684.8603
663.1787	332.0930	5	L	11	**1201.7150**	601.3612
776.2627	388.6350	6	L	10	**1088.6310**	544.8191
890.3057	445.6565	7	N	9	**975.5469**	488.2771
1003.3897	502.1985	8	L	8	**861.5040**	431.2556
1131.4483	**566.2278**	9	Q	7	**748.4199**	**374.7136**
1230.5167	615.7620	10	V	6	**620.3614**	310.6843
1317.5487	**659.2780**	11	S	5	**521.2930**	261.1501
1404.5808	702.7940	12	S	4	**434.2609**	217.6341
1517.6648	**759.3361**	13	L	3	**347.2289**	174.1181
1604.6969	802.8521	14	S	2	234.1448	117.5761
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SNT$_{181}$SPS$_{167}$VLYHPK$_{136}$.R/2

0.9985

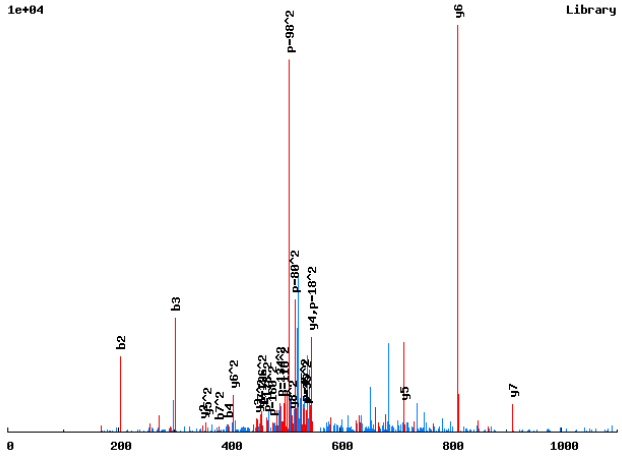


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
202.0822	101.5448	2	N	11	1410.5946	705.8009
383.0963	192.0518	3	T[181]	10	1296.5516	**648.7795**
470.1283	**235.5678**	4	S	9	**1115.5376**	**558.2724**
567.1810	284.0942	5	P	8	**1028.5056**	**514.7564**
734.1794	367.5933	6	S[167]	7	**931.4528**	466.2301
833.2478	417.1275	7	V	6	**764.4545**	**382.7309**
946.3319	473.6696	8	L	5	**665.3861**	333.1967
1109.3952	555.2012	9	Y	4	**552.3020**	276.6546
1246.4541	**623.7307**	10	H	3	**389.2387**	195.1230
1343.5069	672.2571	11	P	2	**252.1798**	126.5935
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.SNVPS$_{167}$PVS$_{167}$R$_{166}$.S/2

0.9848

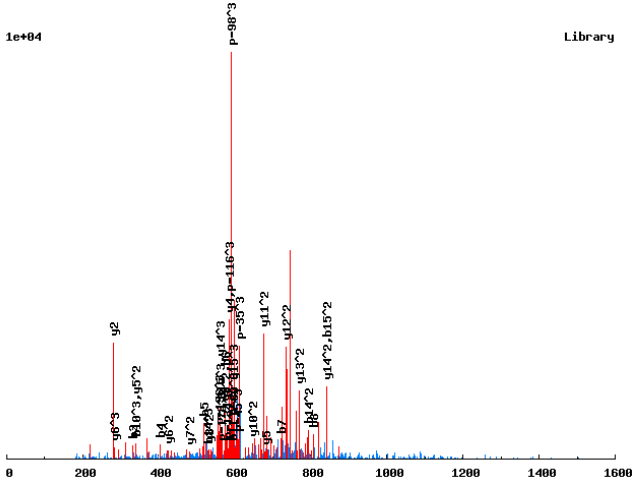


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
202.0822	101.5448	2	N	8	1025.4092	**513.2082**
301.1506	151.0790	3	V	7	**911.3663**	**456.1868**
398.2034	199.6053	4	P	6	**812.2979**	**406.6526**
565.2018	283.1045	5	S[167]	5	**715.2451**	**358.1262**
662.2545	331.6309	6	P	4	**548.2468**	274.6270
761.3229	**381.1651**	7	V	3	**451.1940**	226.1006
928.3213	464.6643	8	S[167]	2	**352.1256**	176.5664
		9	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SPFANGFSPNS$_{167}$PK$_{136}$S$_{167}$PR$_{166}$.D/3

0.7239

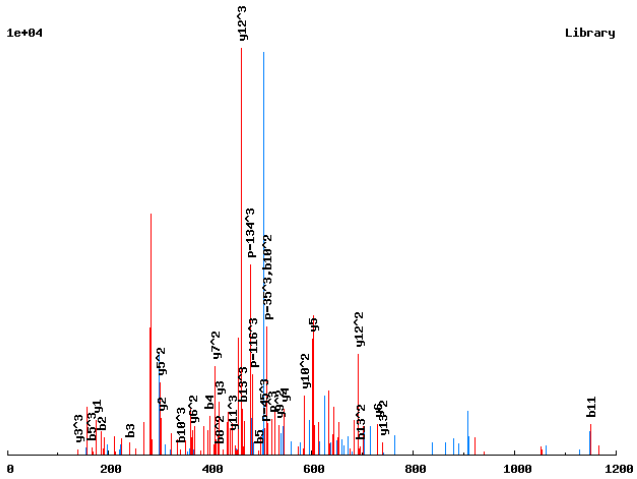


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	16			
185.0921	93.0497	62.3689	2	P	15	1780.7574	890.8823	**594.2573**
332.1605	166.5839	111.3917	3	F	14	1683.7047	**842.3560**	**561.9064**
403.1976	202.1024	135.0707	4	A	13	1536.6363	**768.8218**	512.8836
517.2405	259.1239	173.0850	5	N	12	1465.5991	**733.3032**	489.2046
574.2620	287.6346	192.0922	6	G	11	1351.5562	**676.2817**	451.1903
721.3304	361.1688	241.1150	7	F	10	1294.5347	**647.7710**	432.1831
808.3624	404.6848	270.1257	8	S	9	1147.4663	**574.2368**	383.1603
905.4152	453.2112	302.4766	9	P	8	1060.4343	**530.7208**	354.1496
1019.4581	510.2327	**340.4909**	10	N	7	963.3816	**482.1944**	321.7987
1186.4565	**593.7319**	396.1570	11	S[167]	6	849.3386	**425.1730**	**283.7844**
1283.5092	642.2583	428.5079	12	P	5	**682.3403**	**341.6738**	228.1183
1419.6184	710.3128	473.8776	13	K[136]	4	**585.2875**	293.1474	195.7674
1586.6168	**793.8120**	**529.5438**	14	S[167]	3	449.1783	225.0928	150.3976
1683.6695	**842.3384**	**561.8947**	15	P	2	**282.1800**	141.5936	94.7315
			16	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.SPGRPSS$_{167}$SQGEIKR.K/3

0.92

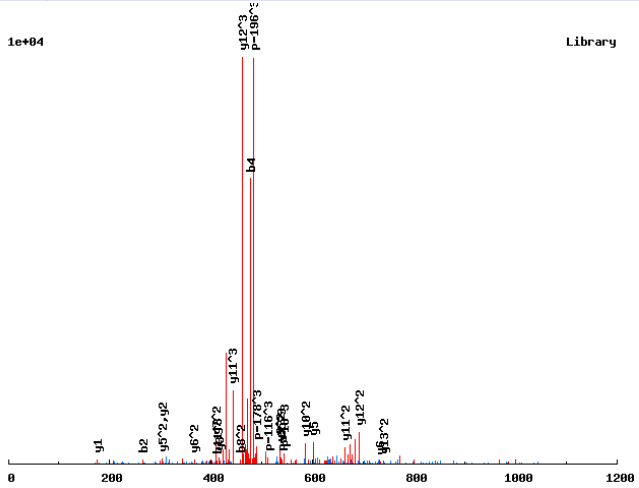


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	14			
185.0921	93.0497	62.3689	2	P	13	1478.7111	**739.8592**	493.5752
242.1135	121.5604	81.3760	3	G	12	1381.6584	**691.3328**	**461.2243**
398.2146	199.6110	133.4097	4	R	11	1324.6369	662.8221	**442.2172**
495.2674	248.1373	**165.7607**	5	P	10	1168.5358	**584.7715**	390.1834
582.2994	291.6534	194.7713	6	S	9	1071.4830	**536.2452**	357.8325
749.2978	375.1525	250.4375	7	S[167]	8	984.4510	492.7291	328.8219
836.3298	**418.6686**	279.4481	8	S	7	817.4526	**409.2300**	273.1557
964.3884	482.6978	322.1343	9	Q	6	**730.4206**	**365.7139**	244.1451
1021.4099	**511.2086**	**341.1415**	10	G	5	**602.3620**	**301.6847**	201.4589
1150.4525	575.7299	384.1557	11	E	4	**545.3406**	273.1739	182.4517
1263.5365	632.2719	421.8504	12	I	3	**416.2980**	208.6526	**139.4375**
1391.6315	**696.3194**	**464.5487**	13	K	2	**303.2139**	152.1106	101.7428
			14	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$PGRPSS$_{167}$SQGEIKR.K/3

0.9692

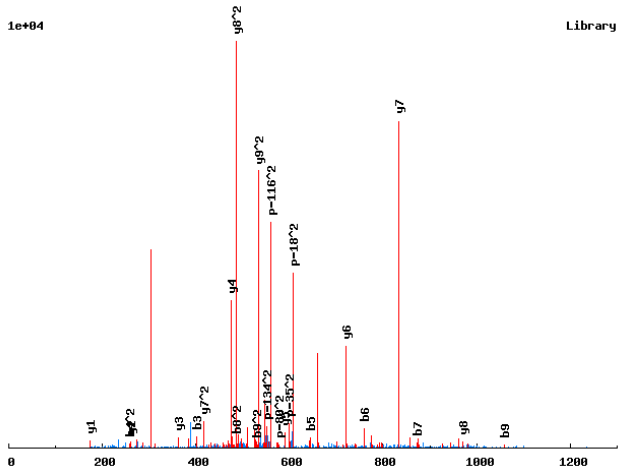


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	14			
265.0584	133.0328	89.0243	2	P	13	1478.7111	**739.8592**	493.5752
322.0799	161.5436	108.0315	3	G	12	1381.6584	**691.3328**	**461.2243**
478.1810	239.5941	160.0652	4	R	11	1324.6369	**662.8221**	**442.2172**
575.2337	288.1205	192.4161	5	P	10	1168.5358	**584.7715**	390.1834
662.2658	331.6365	221.4268	6	S	9	1071.4830	**536.2452**	357.8325
829.2641	415.1357	277.0929	7	S[167]	8	984.4510	492.7291	328.8219
916.2962	**458.6517**	306.1036	8	S	7	817.4526	**409.2300**	273.1557
1044.3547	522.6810	348.7898	9	Q	6	**730.4206**	**365.7139**	244.1451
1101.3762	551.1917	367.7969	10	G	5	**602.3620**	**301.6847**	201.4589
1230.4188	615.7130	**410.8111**	11	E	4	545.3406	273.1739	182.4517
1343.5028	672.2551	448.5058	12	I	3	**416.2980**	208.6526	139.4375
1471.5978	736.3025	491.2041	13	K	2	**303.2139**	152.1106	101.7428
			14	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$PHLEDLTSR.K/2

0.9952

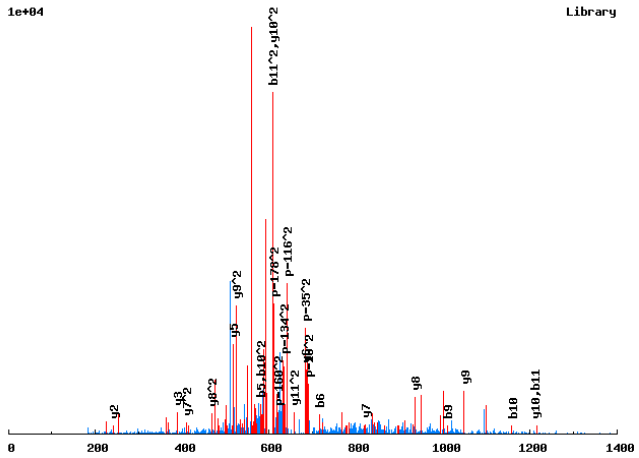


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
265.0584	133.0328	2	P	9	1067.5480	**534.2776**
402.1173	201.5623	3	H	8	**970.4952**	**485.7513**
515.2014	**258.1043**	4	L	7	**833.4363**	**417.2218**
644.2440	322.6256	5	E	6	**720.3523**	360.6798
759.2709	380.1391	6	D	5	**591.3097**	296.1585
872.3550	436.6811	7	L	4	**476.2827**	238.6450
973.4026	**487.2050**	8	T	3	**363.1987**	182.1030
1060.4347	**530.7210**	9	S	2	**262.1510**	131.5791
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.SPS$_{167}$LNK$_{136}$S$_{167}$GAFGR$_{166}$.S/2

0.8488

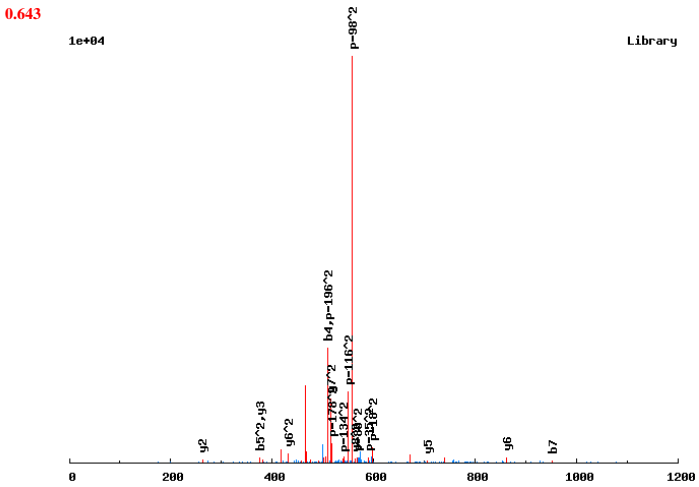


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
185.0921	93.0497	2	P	11	1311.5613	**656.2843**
352.0904	176.5489	3	S[167]	10	**1214.5085**	**607.7579**
465.1745	233.0909	4	L	9	**1047.5102**	**524.2587**
579.2174	290.1124	5	N	8	**934.4261**	**467.7167**
715.3266	358.1669	6	K[136]	7	**820.3832**	**410.6952**
882.3249	441.6661	7	S[167]	6	**684.2740**	342.6407
939.3464	470.1768	8	G	5	**517.2757**	259.1415
1010.3835	505.6954	9	A	4	460.2542	230.6307
1157.4519	**579.2296**	10	F	3	**389.2171**	195.1122
1214.4734	**607.7403**	11	G	2	**242.1487**	121.5780
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SPS$_{167}$RY$_{243}$SLSR.R/2

0.643

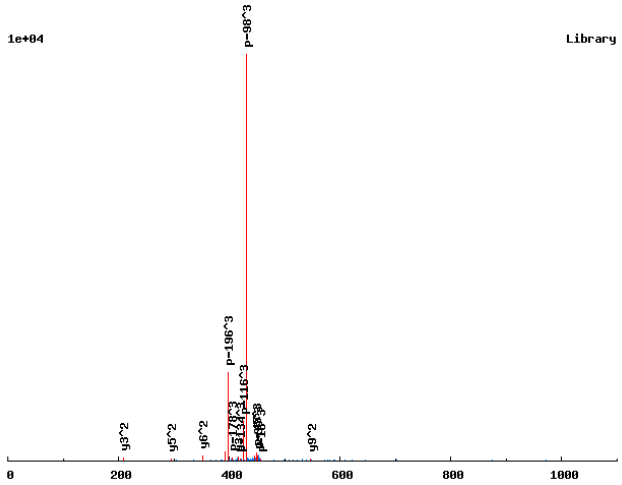


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
185.0921	93.0497	2	P	8	1125.4490	**563.2281**
352.0904	176.5489	3	S[167]	7	1028.3962	**514.7017**
508.1915	254.5994	4	R	6	**861.3978**	**431.2026**
751.2212	**376.1142**	5	Y[243]	5	**705.2967**	353.1520
838.2532	419.6303	6	S	4	462.2671	231.6372
951.3373	476.1723	7	L	3	**375.2350**	188.1212
1038.3693	519.6883	8	S	2	**262.1510**	131.5791
		9	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$QHS$_{167}$SIGDLKR.F/3

0.6964

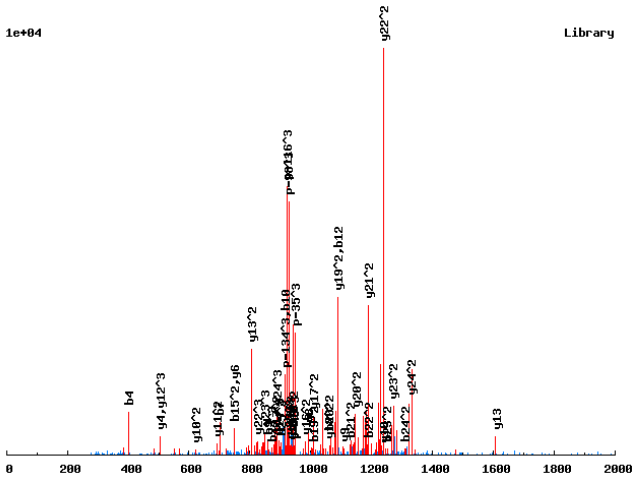


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	11			
296.0642	148.5358	99.3596	2	Q	10	1220.5783	610.7928	407.5310
433.1231	217.0652	145.0459	3	H	9	1092.5197	**546.7635**	364.8448
600.1215	300.5644	200.7120	4	S[167]	8	955.4608	478.2341	319.1585
687.1535	344.0804	229.7227	5	S	7	788.4625	394.7349	263.4923
800.2376	400.6224	267.4174	6	I	6	701.4304	**351.2189**	234.4817
857.2590	429.1332	286.4245	7	G	5	588.3464	**294.6768**	196.7870
972.2860	486.6466	324.7668	8	D	4	531.3249	266.1661	177.7798
1085.3700	543.1887	362.4615	9	L	3	**416.2980**	**208.6526**	139.4375
1213.4650	607.2361	405.1599	10	K	2	303.2139	152.1106	101.7428
			11	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.SQNAPSDGTGSST$_{181}$PQHHDEDEDELSR.Q/3

1

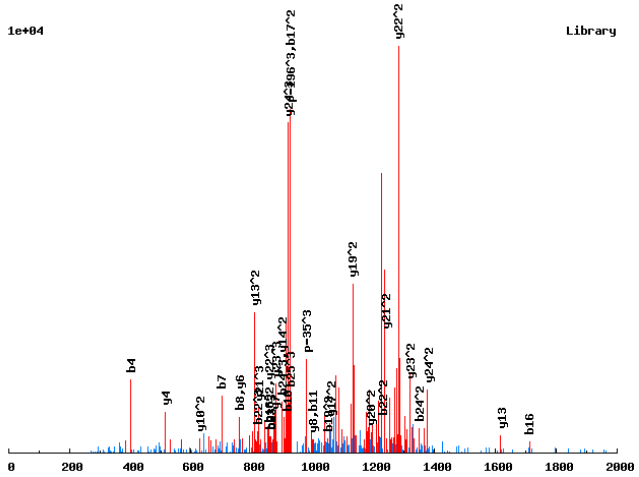


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	26			
216.0979	108.5526	72.7042	2	Q	25	2789.0918	1395.0495	**930.3688**
330.1408	165.5740	110.7185	3	N	24	2661.0332	**1331.0203**	**887.6826**
401.1779	201.0926	134.3975	4	A	23	2546.9903	**1273.9988**	**849.6683**
498.2307	249.6190	166.7484	5	P	22	2475.9532	**1238.4802**	**825.9893**
585.2627	293.1350	195.7591	6	S	21	2378.9004	**1189.9539**	793.6383
700.2897	350.6485	234.1014	7	D	20	2291.8684	**1146.4378**	764.6277
757.3111	379.1592	253.1086	8	G	19	2176.8415	**1088.9244**	726.2853
858.3588	429.6830	286.7911	9	T	18	2119.8200	**1060.4136**	707.2782
915.3803	458.1938	305.7983	10	G	17	2018.7723	**1009.8898**	673.5956
1002.4123	501.7098	334.8090	11	S	16	1961.7509	**981.3791**	654.5885
1089.4443	545.2258	363.8196	12	S	15	1874.7188	**937.8631**	625.5778
1270.4583	635.7328	424.1576	13	T[181]	14	1787.6868	**894.3470**	596.5671
1367.5111	684.2592	456.5086	14	P	13	**1606.6728**	**803.8400**	536.2291
1495.5697	**748.2885**	499.1947	15	Q	12	1509.6200	755.3137	**503.8782**
1632.6286	816.8179	544.8810	16	H	11	1381.5615	**691.2844**	461.1920
1769.6875	**885.3474**	590.5674	17	H	10	**1244.5025**	**622.7549**	415.5057
1884.7144	**942.8609**	628.9097	18	D	9	**1107.4436**	554.2255	369.8194
2013.7570	**1007.3822**	671.9239	19	E	8	**992.4167**	496.7120	331.4771
2128.7840	**1064.8956**	710.2662	20	D	7	863.3741	432.1907	288.4629
2257.8266	**1129.4169**	753.2804	21	E	6	**748.3472**	374.6772	250.1206
2372.8535	**1186.9304**	791.6227	22	D	5	619.3046	310.1559	207.1064
2501.8961	**1251.4517**	834.6369	23	E	4	**504.2776**	252.6425	168.7641
2614.9801	**1307.9937**	**872.3316**	24	L	3	375.2350	188.1212	125.7499
2702.0122	1351.5097	**901.3422**	25	S	2	262.1510	131.5791	88.0552
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.SQNAPSDGTGSS$_{167}$T$_{181}$PQHHDEDEDELSR$_{166}$.Q/3

0.9602

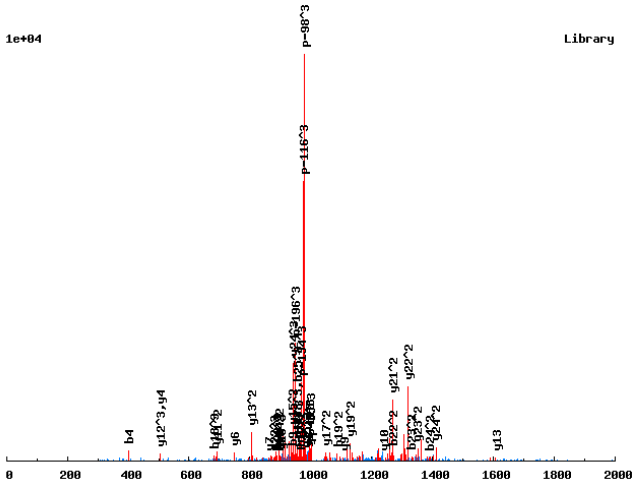


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	26			
216.0979	108.5526	72.7042	2	Q	25	2879.0664	1440.0368	960.3603
330.1408	165.5740	110.7185	3	N	24	2751.0078	**1376.0076**	**917.6741**
401.1779	201.0926	134.3975	4	A	23	2636.9649	**1318.9861**	**879.6598**
498.2307	249.6190	166.7484	5	P	22	2565.9278	**1283.4675**	**855.9808**
585.2627	293.1350	195.7591	6	S	21	2468.8750	**1234.9412**	**823.6299**
700.2897	350.6485	234.1014	7	D	20	2381.8430	**1191.4251**	794.6192
757.3111	379.1592	253.1086	8	G	19	2266.8161	**1133.9117**	756.2769
858.3588	429.6830	286.7911	9	T	18	2209.7946	1105.4009	737.2697
915.3803	458.1938	305.7983	10	G	17	2108.7469	**1054.8771**	703.5872
1002.4123	501.7098	334.8090	11	S	16	2051.7255	1026.3664	684.5800
1169.4107	585.2090	390.4751	12	S[167]	15	1964.6934	982.8504	655.5693
1350.4247	675.7160	450.8131	13	T[181]	14	1797.6951	**899.3512**	599.9032
1447.4774	724.2424	483.1640	14	P	13	**1616.6811**	**808.8442**	539.5652
1575.5360	788.2716	525.8502	15	Q	12	1519.6283	760.3178	507.2143
1712.5949	**856.8011**	571.5365	16	H	11	1391.5697	696.2885	464.5281
1849.6538	**925.3306**	617.2228	17	H	10	1254.5108	**627.7590**	418.8418
1964.6808	982.8440	655.5651	18	D	9	1117.4519	559.2296	373.1555
2093.7234	**1047.3653**	698.5793	19	E	8	**1002.4250**	501.7161	334.8132
2208.7503	1104.8788	736.9216	20	D	7	**873.3824**	437.1948	291.7990
2337.7929	1169.4001	779.9358	21	E	6	**758.3554**	379.6814	253.4567
2452.8198	**1226.9136**	**818.2781**	22	D	5	629.3128	315.1601	210.4425
2581.8624	1291.4348	**861.2923**	23	E	4	**514.2859**	257.6466	172.1002
2694.9465	**1347.9769**	**898.9870**	24	L	3	385.2433	193.1253	129.0860
2781.9785	1391.4929	**927.9977**	25	S	2	272.1592	136.5833	91.3913
			26	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SQNAPS$_{167}$DGTGS$_{167}$ST$_{181}$PQHHDEDEDELSR.Q/3

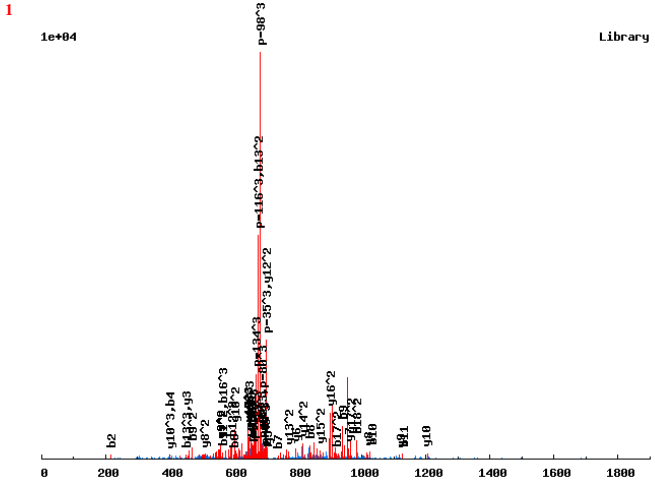
0.9998



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	26			
216.0979	108.5526	72.7042	2	Q	25	2949.0245	1475.0159	**983.6797**
330.1408	165.5740	110.7185	3	N	24	2820.9659	**1410.9866**	**940.9935**
401.1779	201.0926	134.3975	4	A	23	2706.9230	**1353.9651**	**902.9792**
498.2307	249.6190	166.7484	5	P	22	2635.8859	**1318.4466**	**879.3001**
665.2291	333.1182	222.4145	6	S[167]	21	2538.8331	**1269.9202**	846.9492
780.2560	390.6316	260.7569	7	D	20	2371.8347	1186.4210	791.2831
837.2775	419.1424	279.7640	8	G	19	2256.8078	**1128.9075**	752.9408
938.3251	469.6662	313.4466	9	T	18	2199.7863	1100.3968	733.9336
995.3466	498.1769	332.4537	10	G	17	2098.7387	**1049.8730**	700.2511
1162.3450	581.6761	388.1198	11	S[167]	16	2041.7172	1021.3622	681.2439
1249.3770	625.1921	417.1305	12	S	15	1874.7188	**937.8631**	625.5778
1430.3910	715.6991	477.4685	13	T[181]	14	1787.6868	**894.3470**	596.5671
1527.4438	764.2255	509.8194	14	P	13	**1606.6728**	**803.8400**	536.2291
1655.5023	828.2548	552.5056	15	Q	12	1509.6200	755.3137	**503.8782**
1792.5612	**896.7843**	598.1919	16	H	11	1381.5615	**691.2844**	461.1920
1929.6202	**965.3137**	643.8782	17	H	10	**1244.5025**	622.7549	415.5057
2044.6471	1022.8272	**682.2206**	18	D	9	**1107.4436**	554.2255	369.8194
2173.6897	**1087.3485**	725.2347	19	E	8	**992.4167**	496.7120	331.4771
2288.7166	1144.8620	763.5771	20	D	7	**863.3741**	432.1907	288.4629
2417.7592	1209.3832	806.5913	21	E	6	**748.3472**	374.6772	250.1206
2532.7862	**1266.8967**	844.9336	22	D	5	619.3046	310.1559	207.1064
2661.8287	**1331.4180**	**887.9478**	23	E	4	**504.2776**	252.6425	168.7641
2774.9128	**1387.9600**	925.6425	24	L	3	375.2350	188.1212	125.7499
2861.9448	1431.4761	**954.6531**	25	S	2	262.1510	131.5791	88.0552
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SQQGLSHVTSTGS$_{167}$SS$_{167}$SM$_{147}$ER.L/3

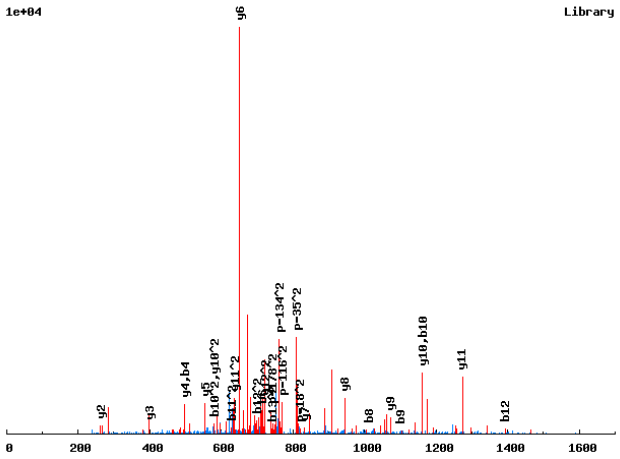


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	19			
216.0979	108.5526	72.7042	2	Q	18	2054.7886	1027.8979	**685.6011**
344.1565	172.5819	115.3903	3	Q	17	1926.7300	**963.8687**	**642.9149**
401.1779	201.0926	134.3975	4	G	16	1798.6714	**899.8394**	600.2287
514.2620	257.6346	172.0922	5	L	15	1741.6500	**871.3286**	581.2215
601.2940	301.1507	201.1029	6	S	14	1628.5659	**814.7866**	543.5268
738.3529	369.6801	246.7892	7	H	13	1541.5339	**771.2706**	514.5162
837.4213	419.2143	279.8120	8	V	12	1404.4750	**702.7411**	468.8298
938.4690	**469.7382**	313.4945	9	T	11	1305.4066	**653.2069**	435.8070
1025.5011	513.2542	342.5052	10	S	10	**1204.3589**	**602.6831**	**402.1245**
1126.5487	**563.7780**	376.1878	11	T	9	**1117.3269**	**559.1671**	373.1138
1183.5702	**592.2887**	395.1949	12	G	8	**1016.2792**	**508.6432**	339.4312
1350.5686	**675.7879**	**450.8610**	13	S[167]	7	**959.2577**	480.1325	320.4241
1437.6006	719.3039	479.8717	14	S	6	**792.2594**	396.6333	264.7580
1604.5989	802.8031	535.5378	15	S[167]	5	**705.2273**	353.1173	235.7473
1691.6310	846.3191	**564.5485**	16	S	4	538.2290	269.6181	180.0812
1838.6664	**919.8368**	613.5603	17	M[147]	3	**451.1969**	226.1021	151.0705
1967.7090	**984.3581**	**656.5745**	18	E	2	304.1615	152.5844	102.0587
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SQS$_{167}$LSEIT$_{181}$PGPHSR.K/2

0.9999

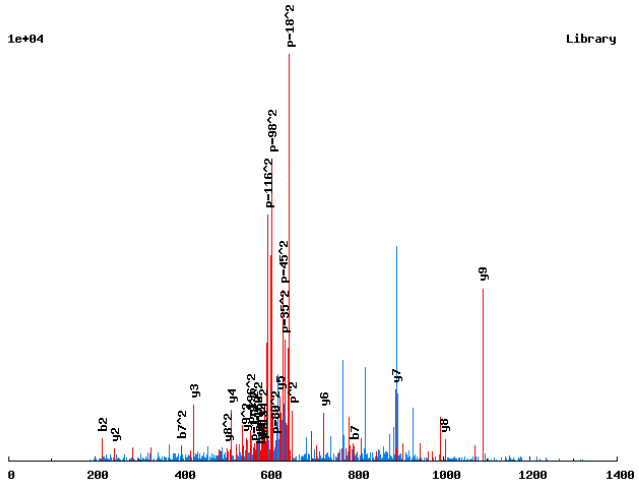


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	14		
216.0979	108.5526	2	Q	13	1568.6506	784.8289
383.0963	192.0518	3	S[167]	12	1440.5920	**720.7996**
496.1803	248.5938	4	L	11	**1273.5936**	**637.3005**
583.2123	292.1098	5	S	10	**1160.5096**	**580.7584**
712.2549	356.6311	6	E	9	**1073.4775**	537.2424
825.3390	413.1731	7	I	8	**944.4349**	472.7211
1006.3530	503.6801	8	T[181]	7	**831.3509**	416.1791
1103.4058	552.2065	9	P	6	**650.3369**	325.6721
1160.4272	**580.7173**	10	G	5	**553.2841**	277.1457
1257.4800	**629.2436**	11	P	4	**496.2627**	248.6350
1394.5389	**697.7731**	12	H	3	**399.2099**	200.1086
1481.5709	**741.2891**	13	S	2	**262.1510**	131.5791
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SQSLS$_{167}$VLST$_{181}$PK.K/2

0.7824

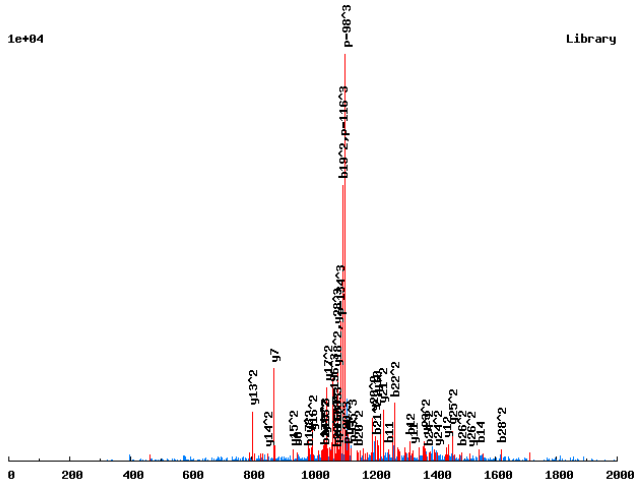


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
216.0979	108.5526	2	Q	10	1219.5371	610.2722
303.1299	152.0686	3	S	9	**1091.4785**	**546.2429**
416.2140	208.6106	4	L	8	**1004.4465**	**502.7269**
583.2123	292.1098	5	S[167]	7	**891.3624**	446.1849
682.2808	341.6440	6	V	6	**724.3641**	362.6857
795.3648	**398.1860**	7	L	5	**625.2957**	313.1515
882.3968	441.7021	8	S	4	**512.2116**	256.6094
1063.4109	532.2091	9	T[181]	3	**425.1796**	213.0934
1160.4636	**580.7354**	10	P	2	**244.1656**	122.5864
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$QSLTSS$_{167}$VANNAPQS$_{167}$VRDDVELPETLEER.D/3

0.6839

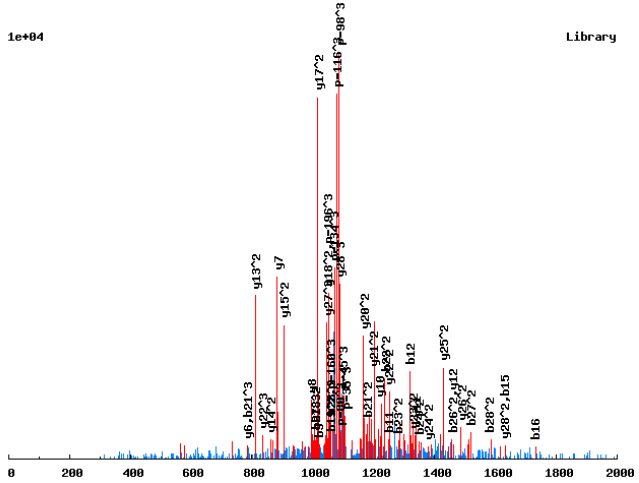


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	29			
296.0642	148.5358	99.3596	2	Q	28	3244.4406	1622.7239	**1082.1517**
383.0963	192.0518	128.3703	3	S	27	3116.3820	1558.6947	**1039.4655**
496.1803	248.5938	166.0650	4	L	26	3029.3500	**1515.1786**	1010.4549
597.2280	299.1176	199.7475	5	T	25	2916.2659	**1458.6366**	972.7602
684.2600	342.6337	228.7582	6	S	24	2815.2183	**1408.1128**	939.0776
851.2584	426.1328	284.4243	7	S[167]	23	2728.1862	**1364.5968**	910.0669
950.3268	475.6670	317.4471	8	V	22	2561.1879	1281.0976	854.4008
1021.3639	511.1856	341.1262	9	A	21	2462.1195	**1231.5634**	821.3780
1135.4068	568.2071	379.1405	10	N	20	2391.0824	**1196.0448**	797.6990
1249.4498	625.2285	417.1548	11	N	19	2277.0394	1139.0234	759.6847
1320.4869	660.7471	440.8338	12	A	18	2162.9965	**1082.0019**	721.6704
1417.5396	709.2735	473.1847	13	P	17	2091.9594	**1046.4833**	697.9913
1545.5982	773.3027	515.8709	14	Q	16	1994.9066	**997.9570**	665.6404
1712.5966	856.8019	571.5370	15	S[167]	15	1866.8480	**933.9277**	622.9542
1811.6650	906.3361	604.5598	16	V	14	1699.8497	**850.4285**	567.2881
1967.7661	**984.3867**	656.5936	17	R	13	1600.7813	**800.8943**	534.2653
2082.7930	**1041.9002**	694.9359	18	D	12	**1444.6802**	722.8437	482.2316
2197.8200	**1099.4136**	733.2782	19	D	11	**1329.6532**	665.3303	443.8893
2296.8884	**1148.9478**	766.3010	20	V	10	**1214.6263**	607.8168	405.5469
2425.9310	**1213.4691**	809.3152	21	E	9	**1115.5579**	558.2826	372.5241
2539.0150	**1270.0112**	847.0099	22	L	8	**986.5153**	493.7613	329.5099
2636.0678	1318.5375	879.3608	23	P	7	**873.4312**	437.2193	291.8153
2765.1104	**1383.0588**	922.3750	24	E	6	776.3785	388.6929	259.4643
2866.1581	1433.5827	956.0575	25	T	5	647.3359	324.1716	216.4501
2979.2421	**1490.1247**	993.7522	26	L	4	546.2882	273.6477	182.7676
3108.2847	1554.6460	**1036.7664**	27	E	3	433.2041	217.1057	145.0729
3237.3273	**1619.1673**	**1079.7806**	28	E	2	304.1615	152.5844	102.0587
			29	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SQS$_{167}$LTSS$_{167}$VANNAPQSVR$_{166}$DDVELPETLEER$_{166}$.D/3

0.9971

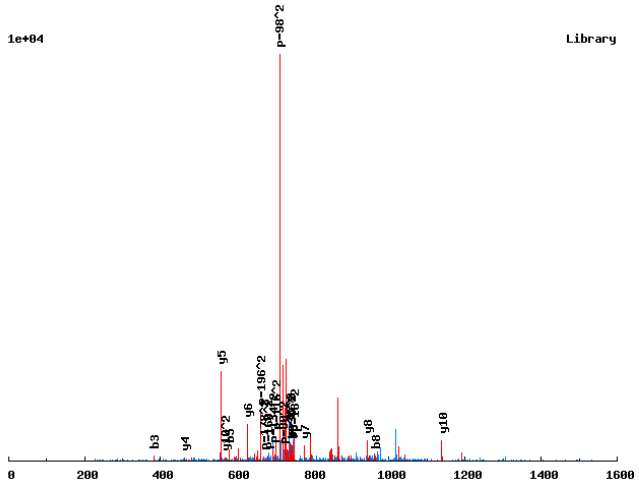


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	29			
216.0979	108.5526	72.7042	2	Q	28	3264.4572	**1632.7322**	**1088.8239**
383.0963	192.0518	128.3703	3	S[167]	27	3136.3986	1568.7029	**1046.1377**
496.1803	248.5938	166.0650	4	L	26	2969.4002	**1485.2037**	990.4716
597.2280	299.1176	199.7475	5	T	25	2856.3161	**1428.6617**	952.7769
684.2600	342.6337	228.7582	6	S	24	2755.2685	**1378.1379**	919.0943
851.2584	426.1328	284.4243	7	S[167]	23	2668.2364	**1334.6219**	890.0837
950.3268	475.6670	317.4471	8	V	22	2501.2381	**1251.1227**	**834.4175**
1021.3639	511.1856	341.1262	9	A	21	2402.1697	**1201.5885**	801.3947
1135.4068	568.2071	379.1405	10	N	20	2331.1326	**1166.0699**	777.7157
1249.4498	625.2285	417.1548	11	N	19	2217.0896	1109.0485	739.7014
1320.4869	660.7471	440.8338	12	A	18	2103.0467	**1052.0270**	701.6871
1417.5396	709.2735	473.1847	13	P	17	2032.0096	**1016.5084**	678.0080
1545.5982	773.3027	515.8709	14	Q	16	1934.9568	967.9821	645.6571
1632.6302	816.8188	544.8816	15	S	15	1806.8982	**903.9528**	602.9709
1731.6987	866.3530	577.9044	16	V	14	1719.8662	**860.4367**	573.9603
1897.8080	949.4077	633.2742	17	R[166]	13	1620.7978	**810.9025**	540.9375
2012.8350	**1006.9211**	671.6165	18	D	12	**1454.6884**	727.8479	485.5677
2127.8619	**1064.4346**	709.9588	19	D	11	**1339.6615**	670.3344	447.2253
2226.9303	1113.9688	742.9816	20	V	10	**1224.6345**	612.8209	408.8830
2355.9729	**1178.4901**	**785.9958**	21	E	9	1125.5661	563.2867	375.8602
2469.0570	**1235.0321**	823.6905	22	L	8	**996.5235**	498.7654	332.8460
2566.1097	**1283.5585**	856.0414	23	P	7	**883.4395**	442.2234	295.1513
2695.1523	**1348.0798**	899.0556	24	E	6	**786.3867**	393.6970	262.8004
2796.2000	1398.6036	932.7382	25	T	5	657.3441	329.1757	219.7862
2909.2841	**1455.1457**	970.4329	26	L	4	556.2965	278.6519	186.1037
3038.3267	**1519.6670**	**1013.4471**	27	E	3	443.2124	222.1098	148.4090
3167.3692	**1584.1883**	**1056.4613**	28	E	2	314.1698	157.5885	105.3948
			29	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$QSPVS$_{167}$FAPTQGR.S/2

0.9795

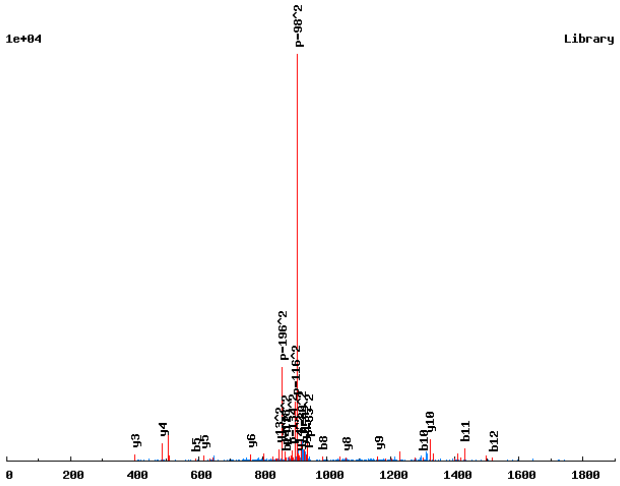


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
296.0642	148.5358	2	Q	12	1354.6151	677.8112
383.0963	192.0518	3	S	11	1226.5565	613.7819
480.1490	240.5781	4	P	10	**1139.5245**	**570.2659**
579.2174	290.1124	5	V	9	1042.4717	521.7395
746.2158	373.6115	6	S[167]	8	**943.4033**	472.2053
893.2842	447.1457	7	F	7	**776.4050**	388.7061
964.3213	482.6643	8	A	6	**629.3365**	315.1719
1061.3741	531.1907	9	P	5	**558.2994**	279.6534
1162.4217	581.7145	10	T	4	**461.2467**	231.1270
1290.4803	645.7438	11	Q	3	360.1990	180.6031
1347.5018	674.2545	12	G	2	232.1404	116.5738
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SQTFKS$_{167}$VES$_{167}$FQSPQR.K/2

0.7331

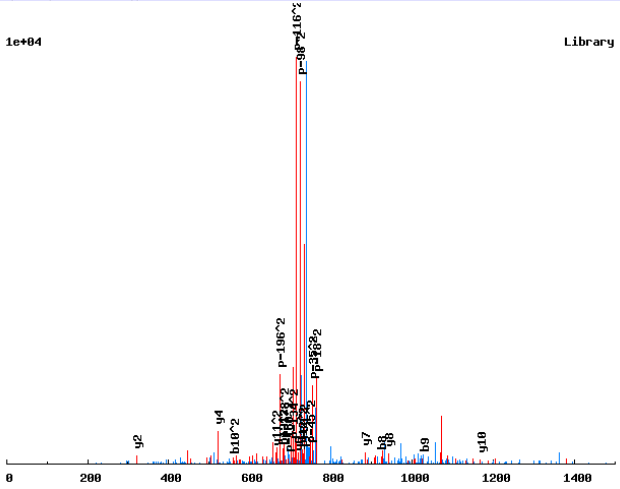


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	15		
216.0979	108.5526	2	Q	14	1828.7667	**914.8870**
317.1456	159.0764	3	T	13	1700.7081	**850.8577**
464.2140	232.6106	4	F	12	1599.6604	800.3338
592.3089	296.6581	5	K	11	1452.5920	726.7996
759.3073	380.1573	6	S[167]	10	**1324.4970**	662.7522
858.3757	429.6915	7	V	9	**1157.4987**	579.2530
987.4183	494.2128	8	E	8	**1058.4303**	529.7188
1154.4167	577.7120	9	S[167]	7	**929.3877**	465.1975
1301.4851	651.2462	10	F	6	**762.3893**	381.6983
1429.5437	715.2755	11	Q	5	**615.3209**	308.1641
1516.5757	758.7915	12	S	4	**487.2623**	244.1348
1613.6284	807.3179	13	P	3	**400.2303**	200.6188
1741.6870	**871.3472**	14	Q	2	303.1775	152.0924
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SQYGS$_{167}$GS$_{167}$PTPTHR$_{166}$.S/2

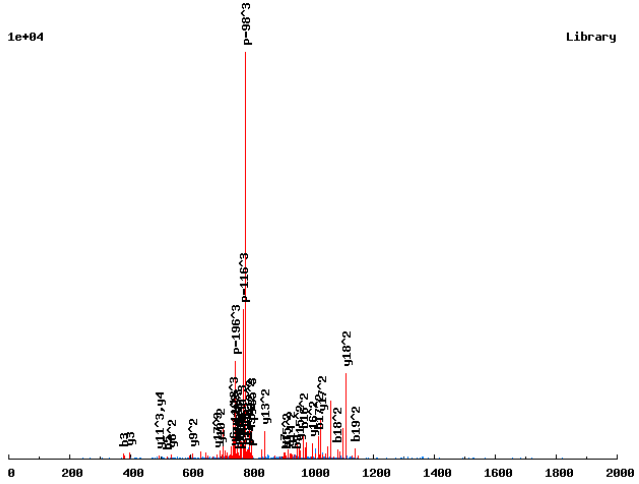
0.7967



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
216.0979	108.5526	2	Q	12	1457.5486	**729.2779**
379.1612	190.0842	3	Y	11	1329.4900	**665.2486**
436.1827	218.5950	4	G	10	**1166.4267**	583.7170
603.1810	302.0942	5	S[167]	9	1109.4052	555.2062
660.2025	330.6049	6	G	8	**942.4068**	471.7071
827.2009	414.1041	7	S[167]	7	**885.3854**	443.1963
924.2536	462.6305	8	P	6	**718.3870**	359.6971
1025.3013	513.1543	9	T	5	621.3342	311.1708
1122.3541	**561.6807**	10	P	4	**520.2866**	260.6469
1223.4017	612.2045	11	T	3	423.2338	212.1205
1360.4607	**680.7340**	12	H	2	**322.1861**	161.5967
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SQYGSGS$_{167}$PTPT$_{181}$HR$_{166}$S$_{167}$QLVQNK$_{136}$.H/3

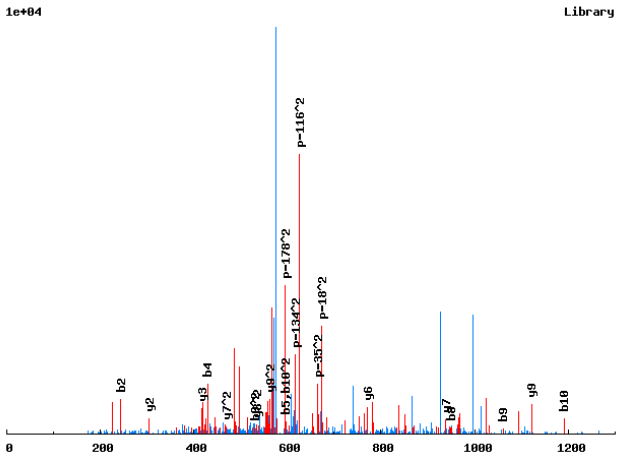


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
216.0979	108.5526	72.7042	2	Q	19	2342.9686	1171.9880	**781.6611**
379.1612	190.0842	127.0586	3	Y	18	2214.9101	**1107.9587**	**738.9749**
436.1827	218.5950	146.0657	4	G	17	2051.8467	**1026.4270**	**684.6204**
523.2147	262.1110	175.0764	5	S	16	1994.8253	**997.9163**	665.6133
580.2362	290.6217	194.0836	6	G	15	1907.7932	**954.4003**	636.6026
747.2345	374.1209	249.7497	7	S[167]	14	1850.7718	**925.8895**	617.5954
844.2873	422.6473	282.1006	8	P	13	1683.7734	**842.3903**	561.9293
945.3350	473.1711	315.7832	9	T	12	1586.7207	**793.8640**	529.5784
1042.3877	521.6975	348.1341	10	P	11	1485.6730	**743.3401**	**495.8958**
1223.4017	612.2045	408.4721	11	T[181]	10	1388.6202	**694.8137**	463.5449
1360.4607	680.7340	454.1584	12	H	9	1207.6062	**604.3067**	403.2069
1526.5700	**763.7887**	509.5282	13	R[166]	8	1070.5473	**535.7773**	357.5206
1693.5684	847.2878	565.1943	14	S[167]	7	**904.4379**	452.7226	302.1508
1821.6270	**911.3171**	607.8805	15	Q	6	**737.4396**	369.2234	246.4847
1934.7110	**967.8592**	645.5752	16	L	5	609.3810	305.1941	203.7985
2033.7794	**1017.3934**	678.5980	17	V	4	**496.2969**	248.6521	166.1038
2161.8380	**1081.4227**	721.2842	18	Q	3	**397.2285**	199.1179	133.0810
2275.8810	**1138.4441**	**759.2985**	19	N	2	269.1699	135.0886	90.3948
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.SRGQS$_{167}$S$_{167}$VSLER.T/2

0.9776

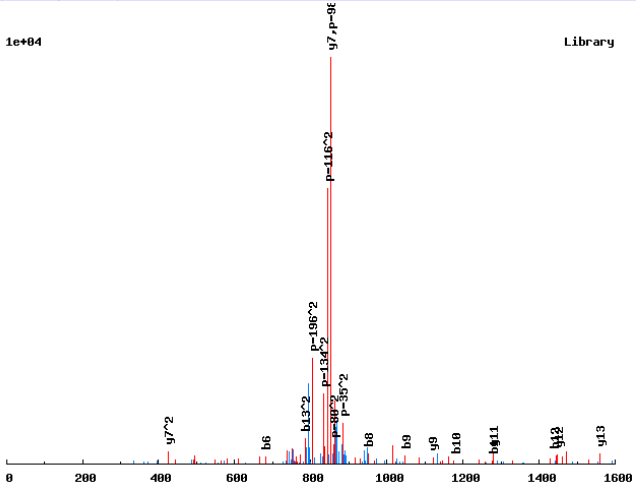


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
244.1404	122.5739	2	R	10	1278.5239	639.7656
301.1619	151.0846	3	G	9	**1122.4228**	**561.7150**
429.2205	215.1139	4	Q	8	1065.4013	**533.2043**
596.2188	298.6131	5	S[167]	7	**937.3428**	**469.1750**
763.2172	382.1122	6	S[167]	6	**770.3444**	385.6758
862.2856	431.6464	7	V	5	603.3460	302.1767
949.3176	475.1625	8	S	4	504.2776	252.6425
1062.4017	**531.7045**	9	L	3	**417.2456**	209.1264
1191.4443	**596.2258**	10	E	2	**304.1615**	152.5844
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SRIS$_{167}$SAST$_{181}$PQTS$_{167}$QGR.F/2

0.763

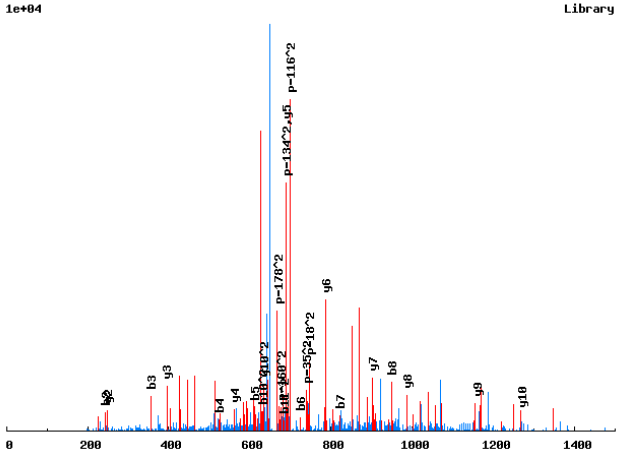


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	15		
244.1404	122.5739	2	R	14	1715.6551	858.3312
357.2245	179.1159	3	I	13	**1559.5540**	780.2806
524.2228	262.6151	4	S[167]	12	**1446.4699**	723.7386
611.2549	306.1311	5	S	11	**1279.4716**	640.2394
682.2920	341.6496	6	A	10	1192.4395	596.7234
769.3240	385.1656	7	S	9	**1121.4024**	561.2048
950.3380	475.6727	8	T[181]	8	1034.3704	517.6888
1047.3908	524.1990	9	P	7	**853.3564**	**427.1818**
1175.4494	588.2283	10	Q	6	756.3036	378.6554
1276.4970	638.7522	11	T	5	628.2450	314.6262
1443.4954	722.2513	12	S[167]	4	527.1974	264.1023
1571.5540	**786.2806**	13	Q	3	360.1990	180.6031
1628.5754	814.7914	14	G	2	232.1404	116.5738
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SRIS$_{167}$SNPQS$_{167}$FTK.Q/2

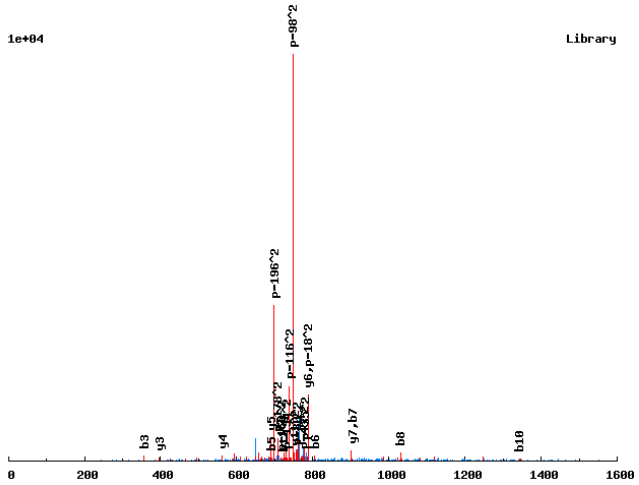
0.9944



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
244.1404	122.5739	2	R	11	1424.5971	712.8022
357.2245	179.1159	3	I	10	**1268.4960**	**634.7516**
524.2228	262.6151	4	S[167]	9	**1155.4119**	578.2096
611.2549	306.1311	5	S	8	**988.4136**	494.7104
725.2978	363.1525	6	N	7	**901.3815**	451.1944
822.3506	411.6789	7	P	6	**787.3386**	394.1729
950.4091	475.7082	8	Q	5	**690.2858**	345.6466
1117.4075	559.2074	9	S[167]	4	**562.2273**	281.6173
1264.4759	**632.7416**	10	F	3	**395.2289**	198.1181
1365.5236	**683.2654**	11	T	2	**248.1605**	124.5839
		12	K	1	147.1128	74.0600

K.SRIS$_{167}$S$_{167}$NPQS$_{167}$FTK.Q/2

0.6264

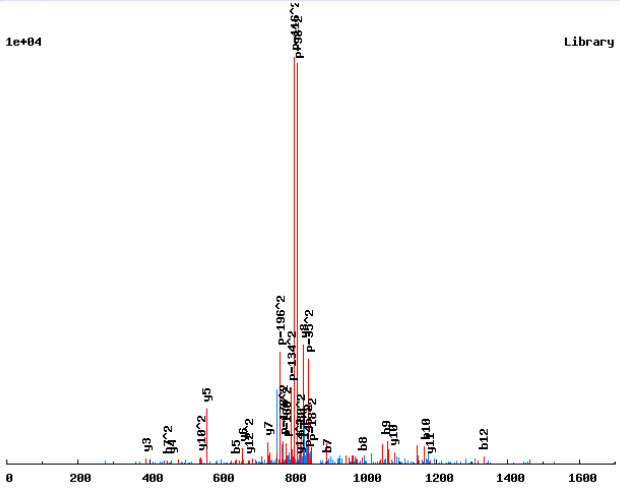


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
244.1404	122.5739	2	R	11	1504.5634	**752.7853**
357.2245	179.1159	3	I	10	1348.4623	674.7348
524.2228	262.6151	4	S[167]	9	1235.3782	618.1928
691.2212	346.1142	5	S[167]	8	1068.3799	534.6936
805.2641	403.1357	6	N	7	**901.3815**	451.1944
902.3169	451.6621	7	P	6	**787.3386**	394.1729
1030.3755	515.6914	8	Q	5	**690.2858**	345.6466
1197.3738	599.1906	9	S[167]	4	**562.2273**	281.6173
1344.4422	672.7248	10	F	3	**395.2289**	198.1181
1445.4899	**723.2486**	11	T	2	248.1605	124.5839
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SRQS$_{167}$TSS$_{167}$VATPATNR.S/2

0.9044

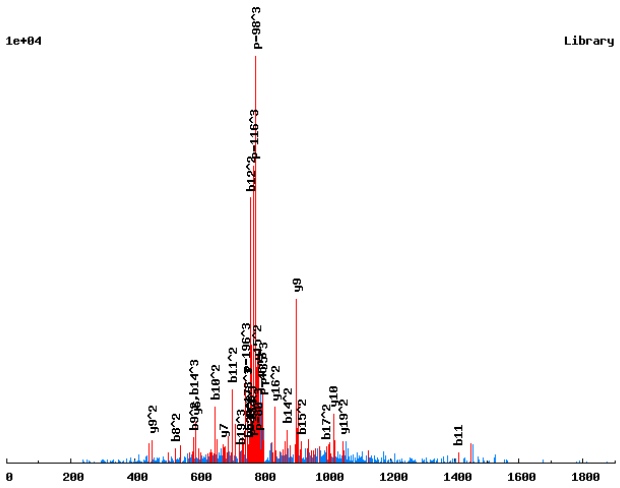


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	15		
244.1404	122.5739	2	R	14	1635.6888	**818.3480**
372.1990	186.6031	3	Q	13	1479.5876	740.2975
539.1974	270.1023	4	S[167]	12	1351.5291	**676.2682**
640.2450	320.6262	5	T	11	**1184.5307**	592.7690
727.2771	364.1422	6	S	10	**1083.4830**	**542.2452**
894.2754	**447.6414**	7	S[167]	9	996.4510	498.7291
993.3438	497.1756	8	V	8	**829.4526**	415.2300
1064.3810	532.6941	9	A	7	**730.3842**	365.6958
1165.4286	583.2180	10	T	6	**659.3471**	330.1772
1262.4814	631.7443	11	P	5	**558.2994**	279.6534
1333.5185	667.2629	12	A	4	**461.2467**	231.1270
1434.5662	717.7867	13	T	3	**390.2096**	195.6084
1548.6091	774.8082	14	N	2	289.1619	145.0846
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$R$_{166}$R$_{166}$SS$_{167}$IDADELDPMSPGPPSK$_{136}$.K/3

0.7323

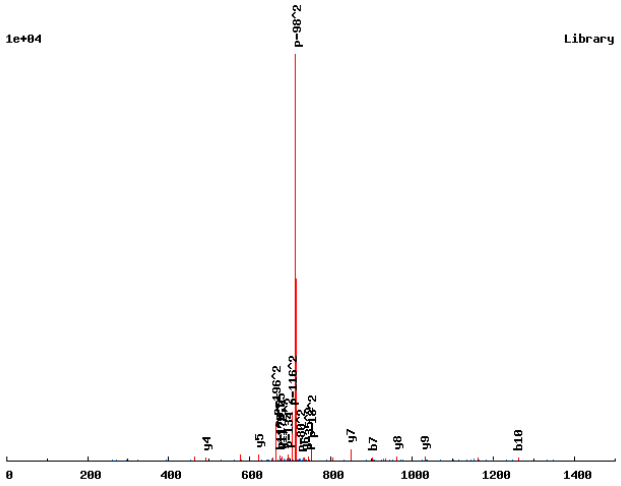


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	21			
334.1150	167.5611	112.0432	2	R[166]	20	2263.0418	1132.0246	755.0188
500.2244	250.6158	167.4130	3	R[166]	19	2096.9325	**1048.9699**	699.6490
587.2564	294.1319	196.4237	4	S	18	1930.8231	965.9152	644.2792
754.2548	377.6310	252.0898	5	S[167]	17	1843.7911	922.3992	615.2685
867.3388	434.1731	289.7845	6	I	16	1676.7927	**838.9000**	559.6024
982.3658	491.6865	328.1268	7	D	15	1563.7086	**782.3580**	521.9077
1053.4029	**527.2051**	351.8058	8	A	14	1448.6817	724.8445	483.5654
1168.4298	**584.7186**	390.1481	9	D	13	1377.6446	689.3259	459.8864
1297.4724	**649.2399**	433.1623	10	E	12	1262.6176	631.8125	421.5441
1410.5565	**705.7819**	470.8570	11	L	11	1133.5750	567.2912	378.5299
1525.5834	**763.2954**	509.1993	12	D	10	**1020.4910**	510.7491	340.8352
1622.6362	811.8217	541.5503	13	P	9	**905.4640**	**453.2357**	302.4929
1753.6767	**877.3420**	**585.2304**	14	M	8	808.4113	404.7093	270.1419
1840.7087	**920.8580**	614.2411	15	S	7	**677.3708**	339.1890	226.4618
1937.7615	969.3844	646.5920	16	P	6	**590.3388**	295.6730	197.4511
1994.7829	**997.8951**	665.5992	17	G	5	493.2860	247.1466	165.1002
2091.8357	1046.4215	697.9501	18	P	4	436.2645	218.6359	146.0930
2188.8884	1094.9479	**730.3010**	19	P	3	339.2118	170.1095	113.7421
2275.9205	1138.4639	**759.3117**	20	S	2	242.1590	121.5832	81.3912
			21	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$RS$_{167}$AINIETESR.N/2

0.992

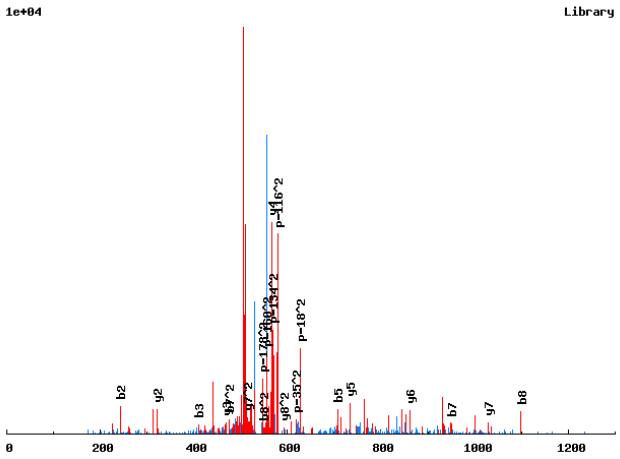


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
324.1068	162.5570	2	R	11	1355.6315	**678.3194**
491.1051	246.0562	3	S[167]	10	1199.5304	600.2688
562.1422	281.5748	4	A	9	**1032.5320**	516.7696
675.2263	338.1168	5	I	8	**961.4949**	481.2511
789.2692	395.1382	6	N	7	**848.4108**	424.7091
902.3533	451.6803	7	I	6	**734.3679**	367.6876
1031.3959	516.2016	8	E	5	**621.2838**	311.1456
1132.4435	566.7254	9	T	4	**492.2412**	246.6243
1261.4861	631.2467	10	E	3	391.1936	196.1004
1348.5182	**674.7627**	11	S	2	262.1510	131.5791
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SRS$_{167}$ES$_{167}$PM$_{147}$FR.S/2

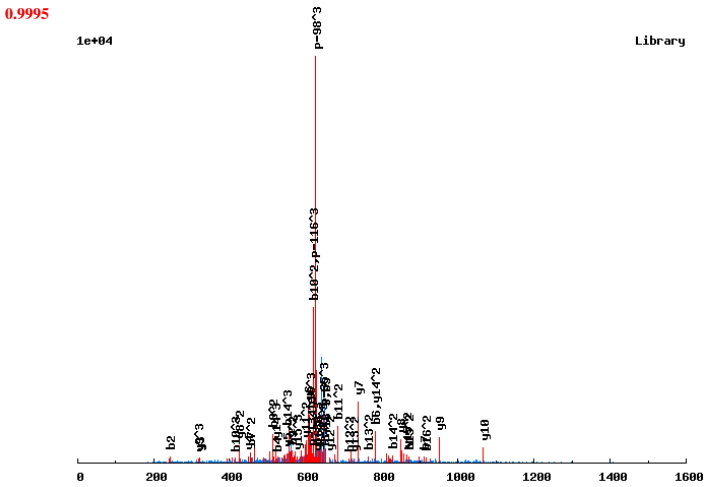
0.9273



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
244.1404	122.5739	2	R	8	1185.4159	**593.2116**
411.1388	206.0730	3	S[167]	7	**1029.3148**	**515.1611**
540.1814	270.5943	4	E	6	**862.3165**	431.6619
707.1797	354.0935	5	S[167]	5	**733.2739**	367.1406
804.2325	402.6199	6	P	4	**566.2755**	283.6414
951.2679	**476.1376**	7	M[147]	3	**469.2228**	235.1150
1098.3363	**549.6718**	8	F	2	**322.1874**	161.5973
		9	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SRS$_{167}$IEEKDTLEGTESSK.K/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	17			
244.1404	122.5739	82.0517	2	R	16	1888.8535	944.9304	**630.2894**
411.1388	206.0730	137.7178	3	S[167]	15	1732.7524	**866.8799**	**578.2557**
524.2228	262.6151	175.4125	4	I	14	1565.7541	**783.3807**	**522.5895**
653.2654	327.1364	218.4267	5	E	13	1452.6700	**726.8386**	484.8949
782.3080	391.6577	261.4409	6	E	12	1323.6274	**662.3173**	441.8807
910.4030	**455.7051**	304.1392	7	K	11	1194.5848	**597.7961**	398.8665
1025.4299	**513.2186**	342.4815	8	D	10	**1066.4899**	533.7486	356.1681
1126.4776	**563.7424**	376.1641	9	T	9	**951.4629**	476.2351	**317.8258**
1239.5617	**620.2845**	**413.8587**	10	L	8	**850.4152**	**425.7113**	284.1433
1368.6043	**684.8058**	456.8729	11	E	7	**737.3312**	369.1692	246.4486
1425.6257	**713.3165**	475.8801	12	G	6	**608.2886**	304.6479	203.4344
1526.6734	**763.8403**	509.5627	13	T	5	**551.2671**	276.1372	184.4272
1655.7160	**828.3616**	**552.5768**	14	E	4	**450.2194**	225.6134	150.7447
1742.7480	**871.8776**	581.5875	15	S	3	**321.1769**	161.0921	107.7305
1829.7800	**915.3937**	**610.5982**	16	S	2	234.1448	117.5761	78.7198
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.SR$_{166}$S$_{167}$LTVAELNEEK$_{136}$.R/2

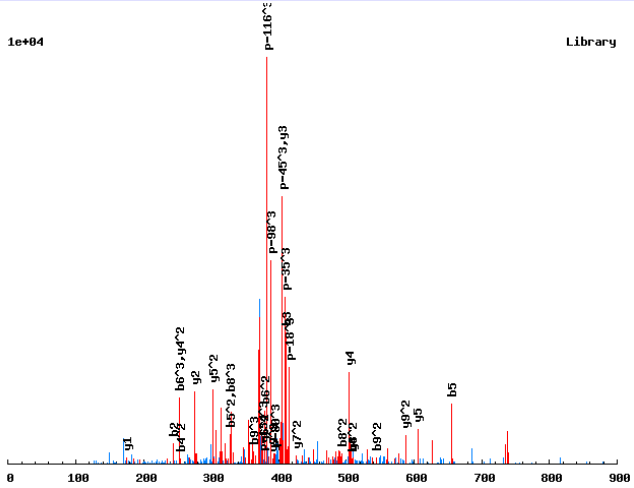
0.9648

b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
254.1487	127.5780	2	R[166]	12	1486.7268	**743.8670**
421.1470	211.0772	3	S[167]	11	1320.6174	**660.8123**
534.2311	267.6192	4	L	10	1153.6190	577.3131
635.2788	318.1430	5	T	9	**1040.5350**	520.7711
734.3472	367.6772	6	V	8	**939.4873**	470.2473
805.3843	403.1958	7	A	7	**840.4189**	420.7131
934.4269	467.7171	8	E	6	**769.3818**	385.1945
1047.5110	524.2591	9	L	5	**640.3392**	320.6732
1161.5539	581.2806	10	N	4	**527.2551**	264.1312
1290.5965	645.8019	11	E	3	413.2122	207.1097
1419.6391	**710.3232**	12	E	2	**284.1696**	142.5884
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SRS$_{167}$PFTVETR.K/3

0.7298

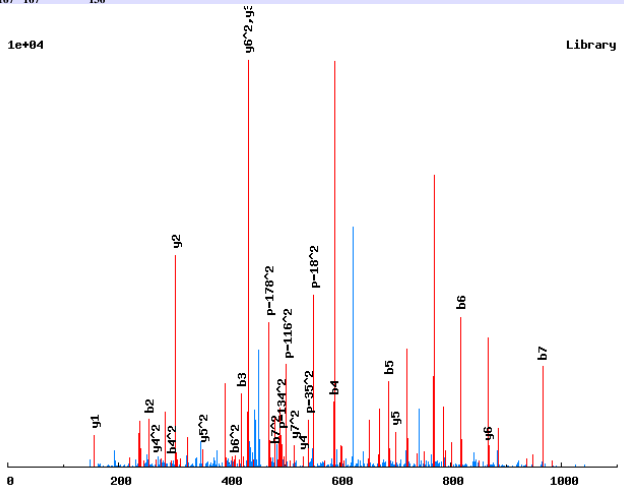


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	10			
244.1404	122.5739	82.0517	2	R	9	1172.5460	**586.7766**	**391.5202**
411.1388	206.0730	137.7178	3	S[167]	8	1016.4448	**508.7261**	339.4865
508.1915	**254.5994**	170.0687	4	P	7	849.4465	**425.2269**	283.8203
655.2600	**328.1336**	219.0915	5	F	6	752.3937	**376.7005**	251.4694
756.3076	**378.6575**	**252.7741**	6	T	5	**605.3253**	**303.1663**	202.4466
855.3760	428.1917	285.7969	7	V	4	**504.2776**	**252.6425**	168.7641
984.4186	**492.7130**	**328.8111**	8	E	3	**405.2092**	203.1082	135.7413
1085.4663	**543.2368**	**362.4936**	9	T	2	**276.1666**	138.5870	92.7271
			10	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SR$_{166}$S$_{167}$S$_{167}$VMFK$_{136}$.S/2

0.8718

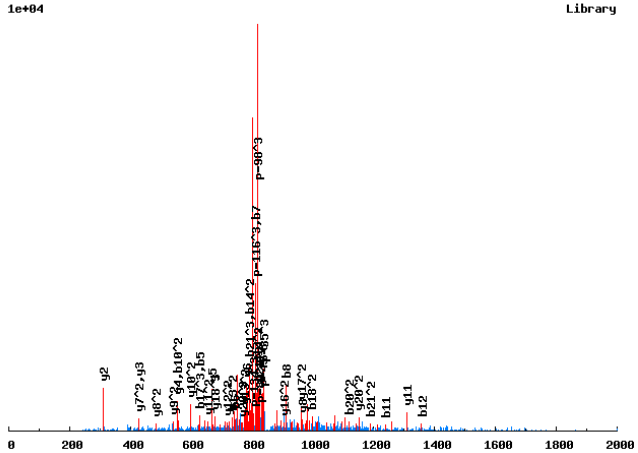


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
254.1487	127.5780	2	R[166]	7	1032.4104	516.7088
421.1470	211.0772	3	S[167]	6	866.3010	433.6542
588.1454	294.5763	4	S[167]	5	699.3027	350.1550
687.2138	344.1106	5	V	4	532.3043	266.6558
818.2543	409.6308	6	M	3	433.2359	217.1216
965.3227	483.1650	7	F	2	302.1954	151.6013
		8	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SRS$_{167}$TDDAVSLQDNNLALLEDHR.N/3

0.9979

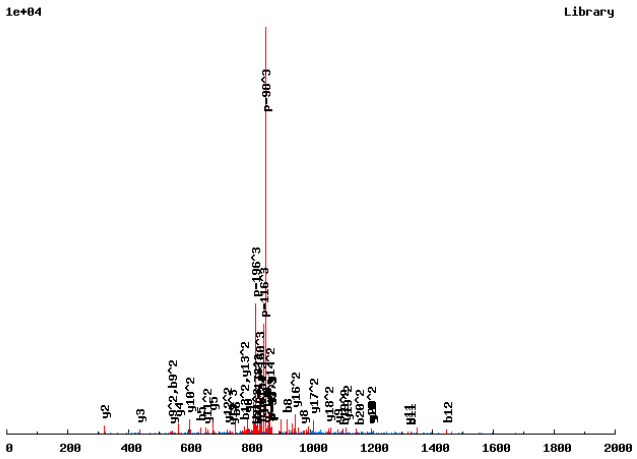


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	22			
244.1404	122.5739	82.0517	2	R	21	2462.1307	1231.5690	**821.3818**
411.1388	206.0730	137.7178	3	S[167]	20	2306.0296	**1153.5184**	**769.3481**
512.1865	256.5969	171.4003	4	T	19	2139.0312	1070.0193	713.6819
627.2134	314.1103	209.7427	5	D	18	2037.9835	1019.4954	**679.9994**
742.2403	371.6238	248.0850	6	D	17	1922.9566	**961.9819**	641.6571
813.2775	407.1424	271.7640	7	A	16	1807.9297	**904.4685**	603.3147
912.3459	456.6766	304.7868	8	V	15	1736.8926	868.9499	579.6357
999.3779	500.1926	333.7975	9	S	14	1637.8241	**819.4157**	546.6129
1112.4620	**556.7346**	371.4922	10	L	13	1550.7921	**775.8997**	517.6022
1240.5205	620.7639	414.1784	11	Q	12	1437.7081	**719.3577**	479.9075
1355.5475	678.2774	452.5207	12	D	11	**1309.6495**	**655.3284**	437.2213
1469.5904	**735.2988**	490.5350	13	N	10	1194.6225	**597.8149**	398.8790
1583.6333	**792.3203**	528.5493	14	N	9	1080.5796	**540.7934**	360.8647
1696.7174	848.8623	566.2440	15	L	8	**966.5367**	**483.7720**	322.8504
1767.7545	884.3809	589.9230	16	A	7	853.4526	**427.2300**	285.1557
1880.8386	940.9229	**627.6177**	17	L	6	**782.4155**	391.7114	261.4767
1993.9226	**997.4650**	665.3124	18	L	5	**669.3315**	335.1694	223.7820
2122.9652	1061.9862	708.3266	19	E	4	**556.2474**	278.6273	186.0873
2237.9922	**1119.4997**	746.6689	20	D	3	**427.2048**	214.1060	143.0731
2375.0511	**1188.0292**	**792.3552**	21	H	2	**312.1779**	156.5926	104.7308
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SR$_{166}$S$_{167}$TDDAVS$_{167}$LQDNNLALLEDHR$_{166}$.N/3

1

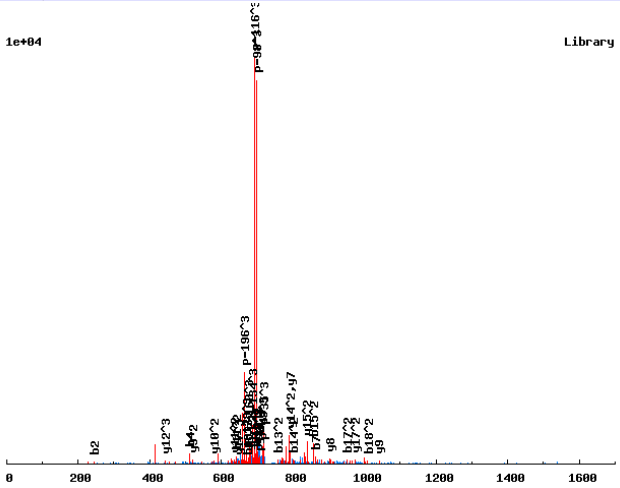


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	22			
254.1487	127.5780	85.3877	2	R[166]	21	2562.1136	1281.5604	**854.7094**
421.1470	211.0772	141.0539	3	S[167]	20	2396.0042	**1198.5057**	799.3396
522.1947	261.6010	174.7364	4	T	19	2229.0058	**1115.0066**	**743.6735**
637.2217	319.1145	213.0787	5	D	18	2127.9581	**1064.4827**	709.9909
752.2486	376.6279	251.4211	6	D	17	2012.9312	**1006.9692**	671.6486
823.2857	412.1465	275.1001	7	A	16	1897.9043	**949.4558**	633.3063
922.3541	461.6807	308.1229	8	V	15	1826.8672	913.9372	609.6272
1089.3525	**545.1799**	363.7890	9	S[167]	14	1727.7987	**864.4030**	576.6044
1202.4366	601.7219	401.4837	10	L	13	1560.8004	**780.9038**	520.9383
1330.4951	665.7512	444.1699	11	Q	12	1447.7163	**724.3618**	483.2436
1445.5221	723.2647	482.5122	12	D	11	**1319.6577**	**660.3325**	440.5574
1559.5650	**780.2861**	520.5265	13	N	10	**1204.6308**	**602.8190**	402.2151
1673.6079	**837.3076**	558.5408	14	N	9	**1090.5879**	**545.7976**	364.2008
1786.6920	893.8496	596.2355	15	L	8	**976.5449**	488.7761	326.1865
1857.7291	929.3682	619.9146	16	A	7	**863.4609**	432.2341	288.4918
1970.8132	985.9102	657.6092	17	L	6	**792.4238**	396.7155	264.8128
2083.8972	1042.4523	695.3039	18	L	5	**679.3397**	340.1735	227.1181
2212.9398	**1106.9735**	738.3181	19	E	4	**566.2557**	283.6315	189.4234
2327.9668	**1164.4870**	776.6604	20	D	3	**437.2131**	219.1102	146.4092
2465.0257	1233.0165	**822.3467**	21	H	2	**322.1861**	161.5967	108.0669
			22	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SRS$_{167}$TPSS$_{167}$GNNHIDSLSVDR.E/3

0.9152

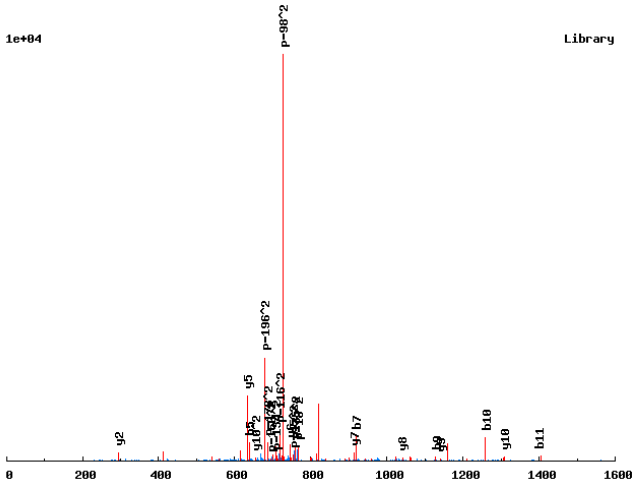


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	19			
244.1404	122.5739	82.0517	2	R	18	2101.8700	1051.4386	**701.2948**
411.1388	206.0730	137.7178	3	S[167]	17	1945.7688	**973.3881**	**649.2611**
512.1865	256.5969	171.4003	4	T	16	1778.7705	889.8889	593.5950
609.2392	305.1233	203.7513	5	P	15	1677.7228	**839.3650**	559.9125
696.2713	348.6393	232.7619	6	S	14	1580.6700	**790.8387**	527.5615
863.2696	432.1384	288.4281	7	S[167]	13	1493.6380	747.3226	498.5509
920.2911	460.6492	307.4352	8	G	12	1326.6397	663.8235	**442.8847**
1034.3340	517.6706	345.4495	9	N	11	1269.6182	**635.3127**	423.8776
1148.3769	574.6921	383.4638	10	N	10	1155.5753	**578.2913**	385.8633
1285.4358	**643.2216**	429.1501	11	H	9	**1041.5323**	**521.2698**	347.8490
1398.5199	**699.7636**	466.8448	12	I	8	**904.4734**	452.7403	302.1627
1513.5468	**757.2771**	505.1871	13	D	7	**791.3894**	396.1983	264.4680
1600.5789	**800.7931**	534.1978	14	S	6	**676.3624**	338.6849	226.1257
1713.6629	**857.3351**	571.8925	15	L	5	589.3304	295.1688	197.1150
1800.6950	900.8511	600.9032	16	S	4	476.2463	238.6268	159.4203
1899.7634	**950.3853**	633.9260	17	V	3	389.2143	195.1108	130.4096
2014.7903	**1007.8988**	**672.2683**	18	D	2	290.1459	145.5766	97.3868
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SRS$_{167}$VQS$_{167}$LPLEFK.E/2

0.9904

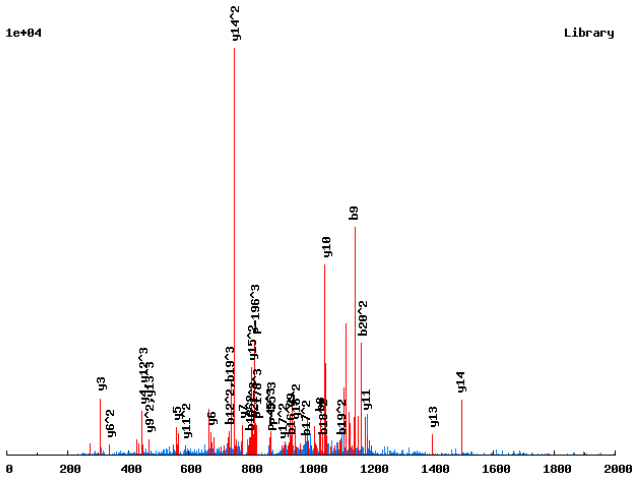


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
244.1404	122.5739	2	R	11	1463.6695	732.3384
411.1388	206.0730	3	S[167]	10	**1307.5684**	**654.2878**
510.2072	255.6072	4	V	9	**1140.5700**	570.7887
638.2658	319.6365	5	Q	8	**1041.5016**	521.2545
805.2641	403.1357	6	S[167]	7	**913.4430**	457.2252
918.3482	459.6777	7	L	6	**746.4447**	373.7260
1015.4010	508.2041	8	P	5	**633.3606**	317.1840
1128.4850	564.7461	9	L	4	536.3079	268.6576
1257.5276	629.2674	10	E	3	423.2238	212.1155
1404.5960	702.8016	11	F	2	**294.1812**	147.5942
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$R$_{166}$T$_{181}$NDSSLLPGYMDSATLLHPGK$_{136}$.I/3

0.9488

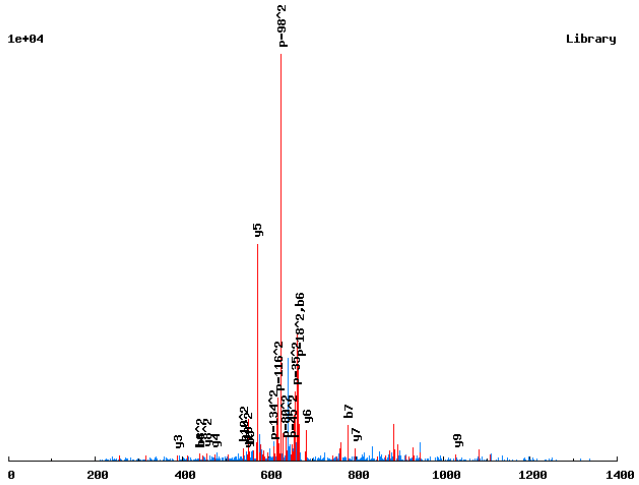


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	23			
334.1150	167.5611	112.0432	2	R[166]	22	2471.1755	1236.0914	824.3967
515.1290	258.0682	172.3812	3	T[181]	21	2305.0661	1153.0367	769.0269
629.1720	315.0896	210.3955	4	N	20	2124.0521	1062.5297	708.6889
744.1989	372.6031	248.7378	5	D	19	2010.0092	1005.5082	670.6746
831.2309	416.1191	277.7485	6	S	18	1894.9822	**947.9948**	632.3323
918.2630	459.6351	306.7592	7	S	17	1807.9502	**904.4787**	603.3216
1031.3470	516.1772	344.4539	8	L	16	1720.9182	860.9627	574.3109
1144.4311	572.7192	382.1485	9	L	15	1607.8341	**804.4207**	536.6162
1241.4838	621.2456	414.4995	10	P	14	**1494.7500**	**747.8787**	498.9215
1298.5053	649.7563	433.5066	11	G	13	**1397.6973**	699.3523	**466.5706**
1461.5686	**731.2880**	487.8611	12	Y	12	1340.6758	670.8416	**447.5635**
1592.6091	**796.8082**	531.5412	13	M	11	**1177.6125**	**589.3099**	393.2090
1707.6361	854.3217	569.8835	14	D	10	**1046.5720**	523.7896	349.5289
1794.6681	897.8377	598.8942	15	S	9	**931.5451**	**466.2762**	311.1865
1865.7052	**933.3562**	622.5733	16	A	8	844.5130	422.7602	282.1759
1966.7529	**983.8801**	656.2558	17	T	7	**773.4759**	387.2416	258.4968
2079.8369	**1040.4221**	693.9505	18	L	6	**672.4282**	**336.7178**	224.8143
2192.9210	**1096.9641**	**731.6452**	19	L	5	**559.3442**	280.1757	187.1196
2329.9799	**1165.4936**	777.3315	20	H	4	**446.2601**	223.6337	149.4249
2427.0327	1214.0200	**809.6824**	21	P	3	**309.2012**	155.1042	103.7386
2484.0541	1242.5307	828.6896	22	G	2	212.1485	106.5779	71.3877
			23	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SADNLLPSLQK.S/2

0.7893

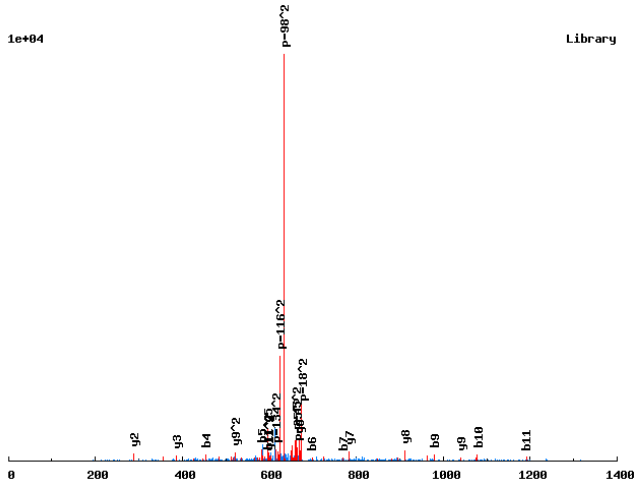


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
255.0377	128.0225	2	S	11	1185.6474	593.3273
326.0748	163.5410	3	A	10	1098.6153	**549.8113**
441.1017	221.0545	4	D	9	**1027.5782**	514.2928
555.1447	278.0760	5	N	8	912.5513	**456.7793**
668.2287	334.6180	6	L	7	**798.5084**	399.7578
781.3128	391.1600	7	L	6	**685.4243**	343.2158
878.3655	**439.6864**	8	P	5	**572.3402**	286.6738
965.3976	483.2024	9	S	4	**475.2875**	238.1474
1078.4816	**539.7445**	10	L	3	**388.2554**	194.6314
1206.5402	603.7737	11	Q	2	275.1714	138.0893
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SAQEDAPIVIR.R/2

0.9909

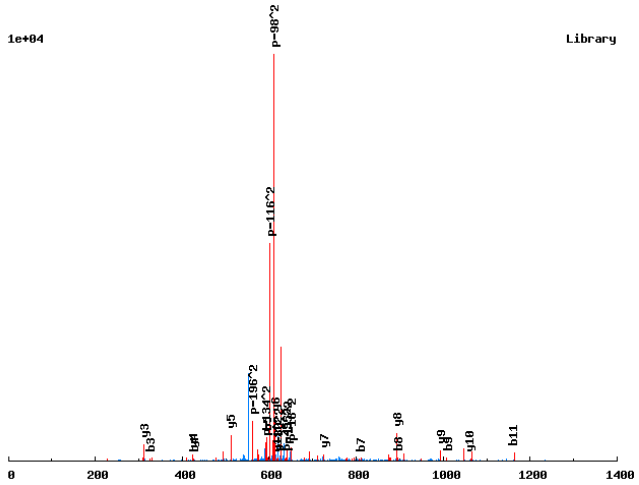


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
255.0377	128.0225	2	S	11	1198.6426	**599.8249**
326.0748	163.5410	3	A	10	1111.6106	556.3089
454.1334	227.5703	4	Q	9	**1040.5735**	**520.7904**
583.1760	292.0916	5	E	8	**912.5149**	456.7611
698.2029	349.6051	6	D	7	**783.4723**	392.2398
769.2400	385.1236	7	A	6	**668.4454**	334.7263
866.2928	433.6500	8	P	5	**597.4082**	299.2078
979.3768	490.1921	9	I	4	500.3555	250.6814
1078.4452	539.7263	10	V	3	**387.2714**	194.1393
1191.5293	**596.2683**	11	I	2	**288.2030**	144.6051
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$ATS$_{167}$ITSLGVK$_{136}$.R/2

0.9991

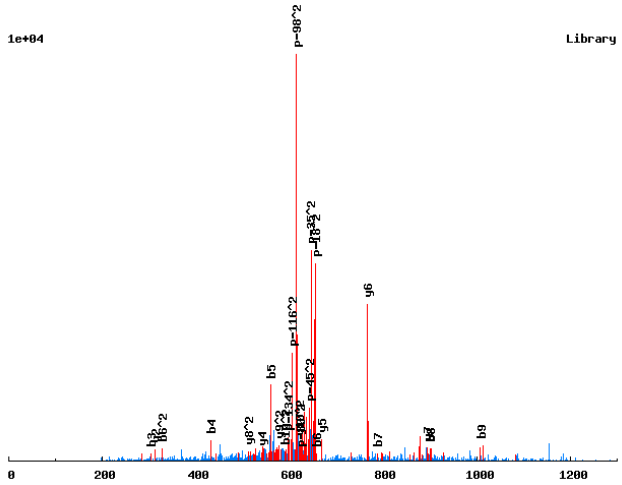


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
255.0377	128.0225	2	S[167]	11	1231.5462	**616.2767**
326.0748	163.5410	3	A	10	**1064.5478**	532.7776
427.1225	214.0649	4	T	9	**993.5107**	497.2590
594.1208	297.5641	5	S[167]	8	**892.4631**	446.7352
707.2049	354.1061	6	I	7	**725.4647**	363.2360
808.2526	404.6299	7	T	6	**612.3806**	306.6940
895.2846	448.1459	8	S	5	**511.3330**	256.1701
1008.3687	504.6880	9	L	4	**424.3009**	212.6541
1065.3901	533.1987	10	G	3	**311.2169**	156.1121
1164.4585	582.7329	11	V	2	254.1954	127.6013
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SSEEQPENIS$_{167}$K.S/2

0.7914

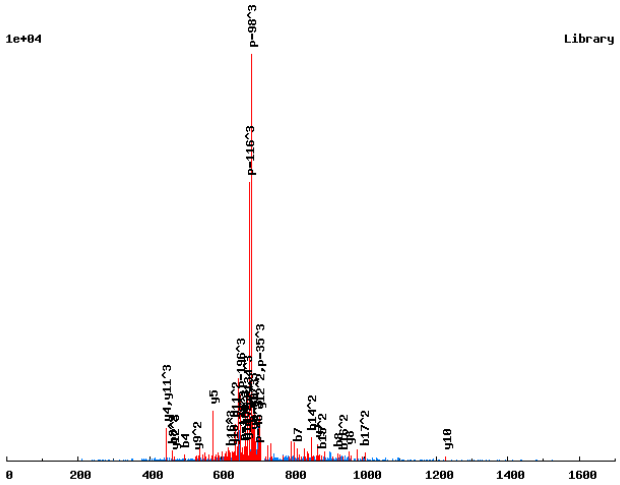


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
175.0713	88.0393	2	S	10	1240.5093	**620.7583**
304.1139	152.5606	3	E	9	1153.4773	**577.2423**
433.1565	217.0819	4	E	8	1024.4347	**512.7210**
561.2151	281.1112	5	Q	7	**895.3921**	448.1997
658.2679	**329.6376**	6	P	6	**767.3335**	384.1704
787.3105	394.1589	7	E	5	**670.2807**	335.6440
901.3534	451.1803	8	N	4	**541.2382**	271.1227
1014.4374	507.7224	9	I	3	427.1952	214.1013
1181.4358	**591.2215**	10	S[167]	2	**314.1112**	157.5592
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$ENSRANS$_{167}$TST$_{181}$LEGNEK.K/3

0.5853

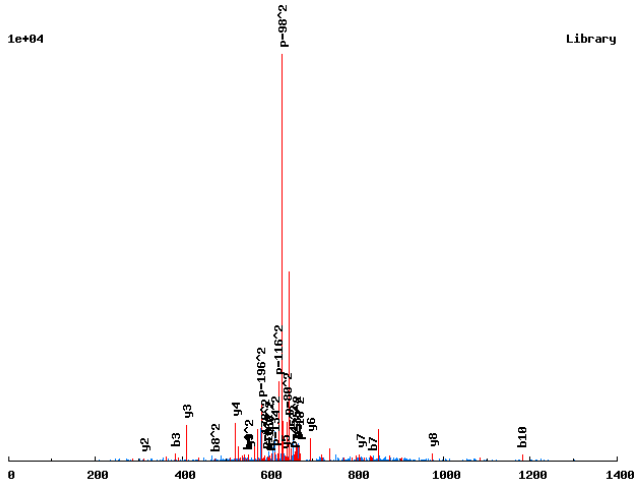


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	18			
255.0377	128.0225	85.6841	2	S[167]	17	2063.7356	1032.3714	**688.5834**
384.0803	192.5438	128.6983	3	E	16	1896.7372	948.8722	**632.9173**
498.1232	249.5652	166.7126	4	N	15	1767.6946	884.3510	589.9031
585.1552	293.0813	195.7233	5	S	14	1653.6517	827.3295	551.8888
741.2563	371.1318	247.7570	6	R	13	1566.6197	783.8135	522.8781
812.2934	406.6504	271.4360	7	A	12	1410.5186	**705.7629**	**470.8444**
926.3364	**463.6718**	309.4503	8	N	11	1339.4814	**670.2444**	**447.1653**
1093.3347	547.1710	365.1164	9	S[167]	10	**1225.4385**	613.2229	409.1510
1194.3824	597.6948	398.7990	10	T	9	1058.4402	**529.7237**	353.4849
1281.4144	**641.2109**	427.8097	11	S	8	**957.3925**	479.1999	319.8023
1462.4285	731.7179	488.1477	12	T[181]	7	**870.3604**	435.6839	290.7917
1575.5125	788.2599	525.8424	13	L	6	**689.3464**	345.1769	230.4537
1704.5551	**852.7812**	568.8566	14	E	5	**576.2624**	288.6348	192.7590
1761.5766	**881.2919**	587.8637	15	G	4	**447.2198**	224.1135	149.7448
1875.6195	**938.3134**	**625.8780**	16	N	3	390.1983	195.6028	130.7376
2004.6621	**1002.8347**	**668.8922**	17	E	2	276.1554	138.5813	92.7233
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SES$_{167}$IGDLPHR.V/2

0.9247

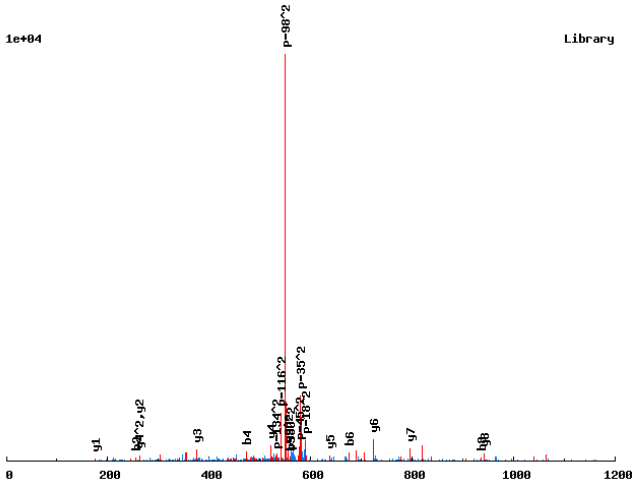


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
255.0377	128.0225	2	S	10	1190.5201	**595.7637**
384.0803	192.5438	3	E	9	1103.4881	**552.2477**
551.0786	276.0430	4	S[167]	8	**974.4455**	487.7264
664.1627	332.5850	5	I	7	**807.4471**	404.2272
721.1841	361.0957	6	G	6	**694.3631**	347.6852
836.2111	418.6092	7	D	5	**637.3416**	319.1745
949.2951	**475.1512**	8	L	4	**522.3147**	261.6610
1046.3479	523.6776	9	P	3	**409.2306**	205.1189
1183.4068	592.2070	10	H	2	**312.1779**	156.5926
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$FASDFLSR.K/2

0.9967

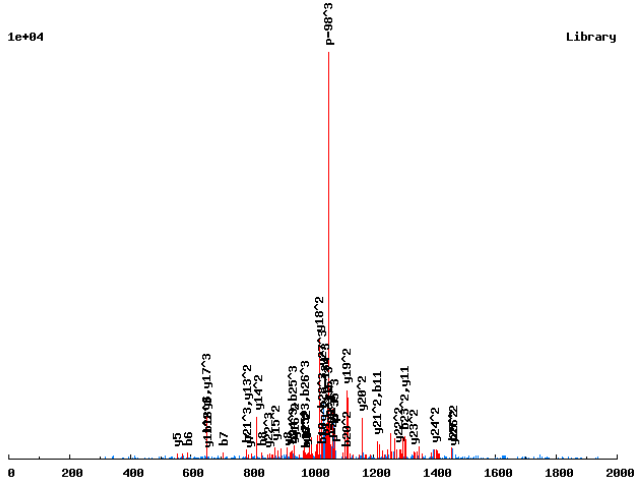


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
255.0377	128.0225	2	S[167]	9	1109.4663	**555.2368**
402.1061	201.5567	3	F	8	**942.4679**	471.7376
473.1432	237.0752	4	A	7	**795.3995**	398.2034
560.1752	280.5913	5	S	6	**724.3624**	362.6849
675.2022	338.1047	6	D	5	**637.3304**	319.1688
822.2706	411.6389	7	F	4	**522.3035**	**261.6554**
935.3546	468.1810	8	L	3	**375.2350**	188.1212
1022.3867	511.6970	9	S	2	**262.1510**	131.5791
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.SSGIDEDEVVT$_{181}$PAEDAKEEEEEHPPLPAR.R/3

0.9991

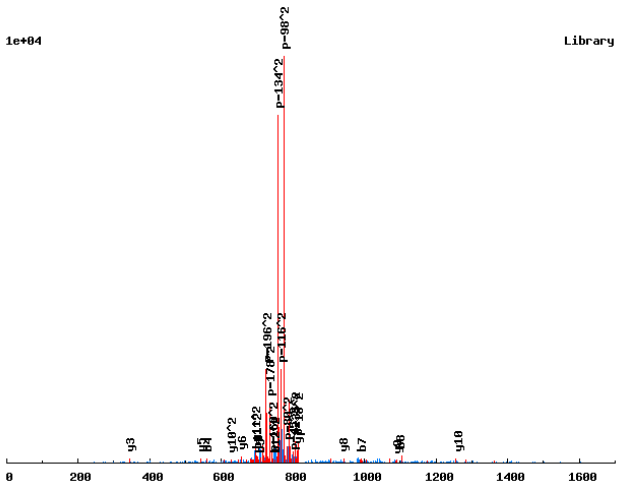


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	29			
175.0713	88.0393	59.0286	2	S	28	3168.3892	1584.6982	1056.8012
232.0928	116.5500	78.0358	3	G	27	3081.3571	1541.1822	**1027.7906**
345.1769	173.0921	115.7305	4	I	26	3024.3357	1512.6715	1008.7834
460.2038	230.6055	154.0728	5	D	25	2911.2516	**1456.1295**	**971.0887**
589.2464	295.1268	197.0870	6	E	24	2796.2247	**1398.6160**	**932.7464**
704.2733	352.6403	235.4293	7	D	23	2667.1821	**1334.0947**	889.7322
833.3159	417.1616	278.4435	8	E	22	2552.1552	**1276.5812**	**851.3899**
932.3843	466.6958	311.4663	9	V	21	2423.1126	**1212.0599**	808.3757
1031.4527	516.2300	344.4891	10	V	20	2324.0442	**1162.5257**	775.3529
1212.4668	606.7370	404.8271	11	T[181]	19	2224.9757	**1112.9915**	742.3301
1309.5195	655.2634	437.1780	12	P	18	2043.9617	**1022.4845**	681.9921
1380.5566	690.7820	460.8571	13	A	17	1946.9090	**973.9581**	**649.6412**
1509.5992	755.3032	503.8713	14	E	16	1875.8719	**938.4396**	625.9621
1624.6262	812.8167	542.2136	15	D	15	1746.8293	**873.9183**	582.9479
1695.6633	848.3353	565.8926	16	A	14	1631.8023	**816.4048**	544.6056
1823.7582	912.3828	608.5909	17	K	13	1560.7652	**780.8863**	520.9266
1952.8008	**976.9040**	**651.6051**	18	E	12	1432.6703	716.8388	478.2283
2081.8434	**1041.4253**	694.6193	19	E	11	**1303.6277**	**652.3175**	435.2141
2210.8860	**1105.9466**	737.6335	20	E	10	1174.5851	587.7962	392.1999
2339.9286	1170.4679	**780.6477**	21	E	9	1045.5425	523.2749	349.1857
2468.9712	1234.9892	823.6619	22	E	8	**916.4999**	458.7536	306.1715
2606.0301	**1303.5187**	869.3482	23	H	7	**787.4573**	394.2323	263.1573
2703.0828	1352.0451	901.6991	24	P	6	**650.3984**	325.7028	217.4710
2800.1356	1400.5714	**934.0501**	25	P	5	**553.3456**	277.1765	185.1201
2913.2197	**1457.1135**	**971.7447**	26	L	4	456.2929	228.6501	152.7691
3010.2724	1505.6399	1004.0957	27	P	3	343.2088	172.1080	115.0745
3081.3095	1541.1584	**1027.7747**	28	A	2	246.1561	123.5817	82.7235
			29	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SHS$_{167}$FERLPTPTK.L/2

0.6141

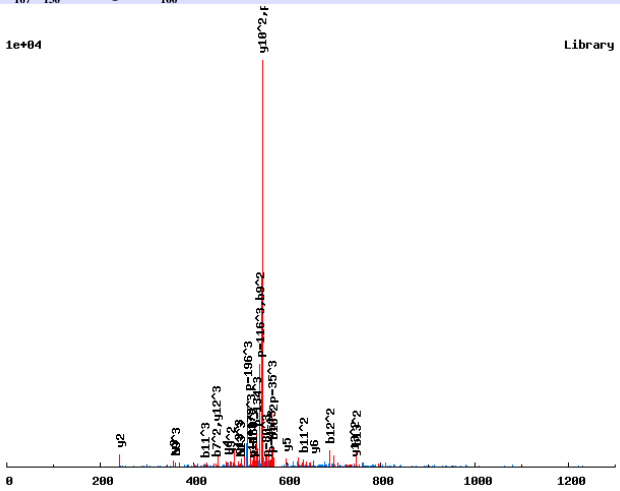


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
255.0377	128.0225	2	S	12	1479.6992	740.3532
392.0966	196.5519	3	H	11	1392.6671	**696.8372**
559.0949	280.0511	4	S[167]	10	**1255.6082**	**628.3077**
706.1634	353.5853	5	F	9	**1088.6099**	544.8086
835.2059	418.1066	6	E	8	**941.5414**	471.2744
991.3071	496.1572	7	R	7	**812.4989**	406.7531
1104.3911	552.6992	8	L	6	**656.3977**	328.7025
1201.4439	601.2256	9	P	5	**543.3137**	272.1605
1302.4916	651.7494	10	T	4	446.2609	223.6341
1399.5443	**700.2758**	11	P	3	**345.2132**	173.1103
1500.5920	**750.7996**	12	T	2	248.1605	124.5839
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SHSS$_{167}$K$_{136}$LGEGQIDGR$_{166}$.K/3

0.9176

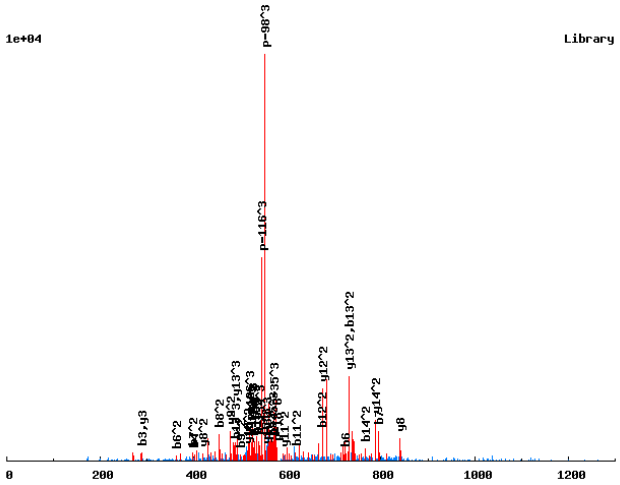


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	15			
255.0377	128.0225	85.6841	2	S	14	1568.7183	784.8628	**523.5776**
392.0966	196.5519	131.3704	3	H	13	1481.6863	**741.3468**	**494.5669**
479.1286	240.0679	160.3811	4	S	12	1344.6274	672.8173	**448.8806**
646.1270	323.5671	216.0472	5	S[167]	11	1257.5953	629.3013	419.8700
782.2361	391.6217	261.4169	6	K[136]	10	1090.5970	**545.8021**	364.2038
895.3202	**448.1637**	299.1116	7	L	9	954.4878	**477.7476**	318.8341
952.3417	476.6745	318.1187	8	G	8	841.4038	421.2055	281.1394
1081.3842	**541.1958**	**361.1329**	9	E	7	784.3823	392.6948	262.1323
1138.4057	**569.7065**	380.1401	10	G	6	**655.3397**	328.1735	219.1181
1266.4643	**633.7358**	**422.8263**	11	Q	5	**598.3183**	299.6628	200.1109
1379.5483	**690.2778**	460.5210	12	I	4	**470.2597**	235.6335	157.4247
1494.5753	**747.7913**	**498.8633**	13	D	3	**357.1756**	179.0914	119.7301
1551.5967	776.3020	517.8704	14	G	2	**242.1487**	121.5780	81.3877
			15	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SSILS$_{167}$RANSS$_{167}$ANLAAK.S/3

0.7396

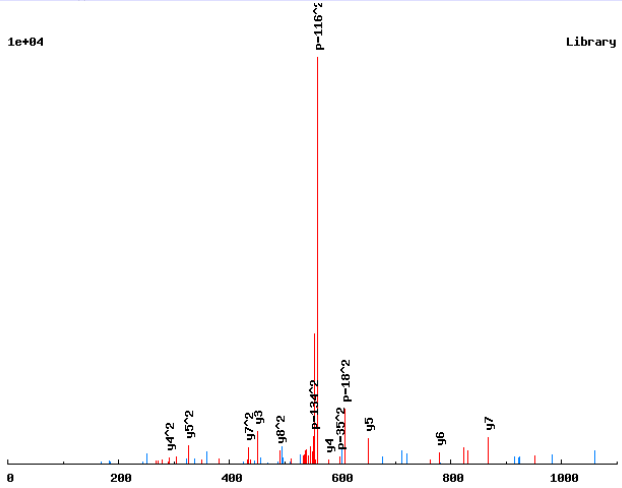


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	16			
175.0713	88.0393	59.0286	2	S	15	1662.7612	831.8842	**554.9252**
288.1554	144.5813	96.7233	3	I	14	1575.7291	**788.3682**	**525.9146**
401.2395	201.1234	134.4180	4	L	13	1462.6451	**731.8262**	**488.2199**
568.2378	284.6226	190.0841	5	S[167]	12	1349.5610	**675.2842**	450.5252
724.3389	**362.6731**	242.1178	6	R	11	1182.5627	**591.7850**	394.8591
795.3760	**398.1917**	265.7969	7	A	10	1026.4616	**513.7344**	342.8254
909.4190	**455.2131**	303.8112	8	N	9	955.4244	**478.2159**	319.1463
996.4510	**498.7291**	332.8219	9	S	8	**841.3815**	**421.1944**	281.1320
1163.4494	582.2283	388.4880	10	S[167]	7	754.3495	377.6784	252.1213
1234.4865	**617.7469**	412.1670	11	A	6	587.3511	294.1792	196.4552
1348.5294	**674.7683**	450.1813	12	N	5	**516.3140**	258.6606	172.7762
1461.6135	**731.3104**	**487.8760**	13	L	4	402.2711	201.6392	134.7619
1532.6506	**766.8289**	511.5550	14	A	3	**289.1870**	145.0971	97.0672
1603.6877	802.3475	**535.2341**	15	A	2	218.1499	109.5786	73.3882
			16	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$ISEAEHQR$_{166}$.R/2

0.6591

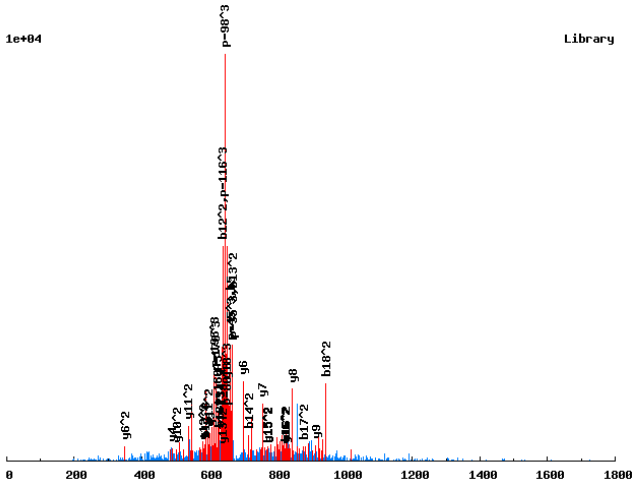


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
255.0377	128.0225	2	S[167]	9	1146.4814	573.7444
368.1217	184.5645	3	I	8	979.4831	**490.2452**
455.1538	228.0805	4	S	7	**866.3990**	**433.7032**
584.1964	292.6018	5	E	6	**779.3670**	390.1871
655.2335	328.1204	6	A	5	**650.3244**	**325.6658**
784.2761	392.6417	7	E	4	**579.2873**	**290.1473**
921.3350	461.1711	8	H	3	**450.2447**	225.6260
1049.3935	525.2004	9	Q	2	313.1858	157.0965
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$KIS$_{167}$PLSASASGPLTLQK.G/3

0.9819

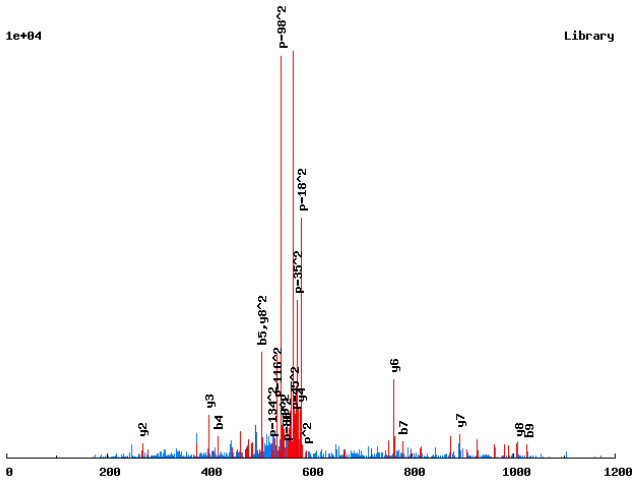


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	19			
255.0377	128.0225	85.6841	2	S[167]	18	1944.9443	972.9758	**648.9863**
383.1326	192.0700	128.3824	3	K	17	1777.9459	889.4766	593.3202
496.2167	248.6120	166.0771	4	I	16	1649.8510	**825.4291**	550.6218
663.2151	332.1112	221.7432	5	S[167]	15	1536.7669	**768.8871**	512.9272
760.2678	380.6375	254.0941	6	P	14	1369.7685	685.3879	457.2610
873.3519	437.1796	291.7888	7	L	13	1272.7158	**636.8615**	424.9101
960.3839	480.6956	320.7995	8	S	12	1159.6317	**580.3195**	387.2154
1031.4210	516.2141	344.4785	9	A	11	1072.5997	**536.8035**	358.2047
1118.4530	559.7302	373.4892	10	S	10	1001.5626	**501.2849**	334.5257
1189.4902	**595.2487**	397.1682	11	A	9	**914.5305**	457.7689	305.5150
1276.5222	**638.7647**	426.1789	12	S	8	**843.4934**	422.2504	281.8360
1333.5436	**667.2755**	445.1861	13	G	7	**756.4614**	378.7343	252.8253
1430.5964	**715.8018**	477.5370	14	P	6	**699.4399**	**350.2236**	233.8182
1543.6805	**772.3439**	515.2317	15	L	5	**602.3872**	301.6972	201.4672
1644.7281	**822.8677**	548.9142	16	T	4	**489.3031**	245.1552	163.7726
1757.8122	**879.4097**	**586.6089**	17	L	3	388.2554	194.6314	130.0900
1885.8708	**943.4390**	**629.2951**	18	Q	2	275.1714	138.0893	92.3953
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SSLESPT$_{181}$MLK$_{136}$.L/2

0.9887

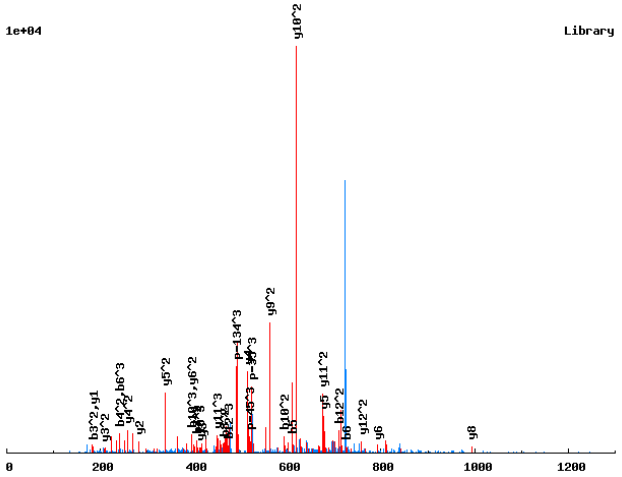


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
175.0713	88.0393	2	S	9	1093.5090	**547.2582**
288.1554	144.5813	3	L	8	**1006.4770**	**503.7421**
417.1980	209.1026	4	E	7	**893.3929**	447.2001
504.2300	252.6186	5	S	6	**764.3504**	382.6788
601.2828	301.1450	6	P	5	677.3183	339.1628
782.2968	391.6520	7	T[181]	4	**580.2656**	290.6364
913.3373	457.1723	8	M	3	**399.2515**	200.1294
1026.4213	513.7143	9	L	2	**268.2111**	134.6092
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$LNEDSLYPK$_{136}$PR$_{166}$.N/3

0.9987

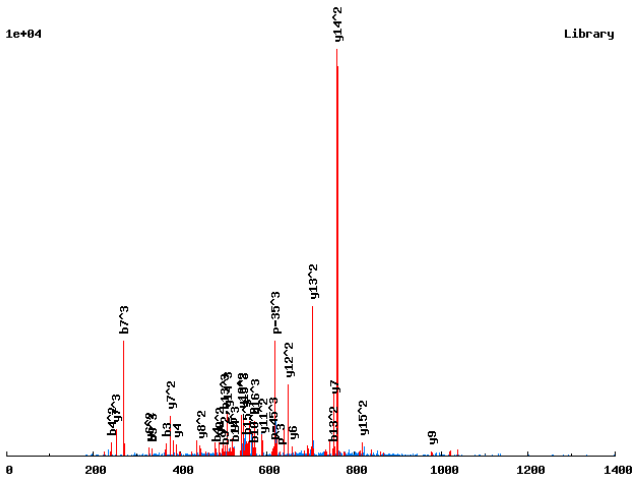


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	13			
255.0377	128.0225	85.6841	2	S[167]	12	1516.7162	**758.8617**	506.2436
368.1217	**184.5645**	123.3788	3	L	11	1349.7178	**675.3626**	**450.5775**
482.1647	**241.5860**	161.3931	4	N	10	1236.6338	**618.8205**	**412.8828**
611.2073	306.1073	204.4073	5	E	9	1122.5908	**561.7991**	374.8685
726.2342	363.6207	**242.7496**	6	D	8	**993.5483**	497.2778	331.8543
813.2662	**407.1368**	271.7603	7	S	7	878.5213	439.7643	293.5120
926.3503	**463.6788**	309.4549	8	L	6	**791.4893**	**396.2483**	264.5013
1089.4136	545.2104	363.8094	9	Y	5	**678.4052**	**339.7063**	226.8066
1186.4664	**593.7368**	**396.1603**	10	P	4	**515.3419**	**258.1746**	172.4522
1322.5755	661.7914	441.5300	11	K[136]	3	**418.2891**	**209.6482**	140.1012
1419.6283	**710.3178**	**473.8809**	12	P	2	**282.1800**	141.5936	94.7315
			13	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$LNLNTTSHPHEASGR.G/3

0.9778

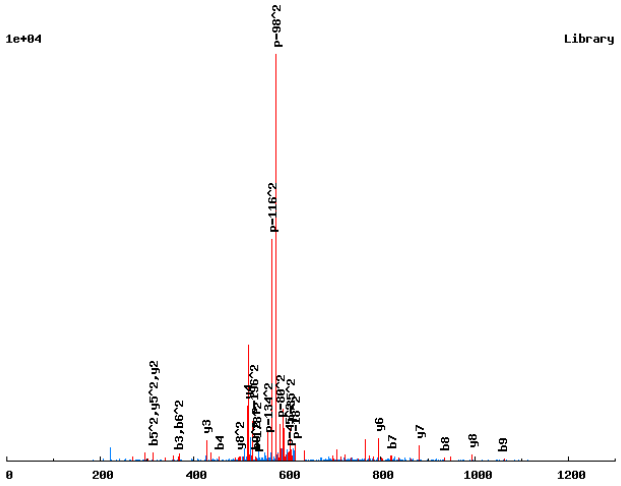


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	17			
255.0377	128.0225	85.6841	2	S[167]	16	1800.8025	900.9049	600.9390
368.1217	184.5645	123.3788	3	L	15	1633.8041	**817.4057**	**545.2729**
482.1647	**241.5860**	161.3931	4	N	14	1520.7200	**760.8637**	**507.5782**
595.2487	298.1280	199.0878	5	L	13	1406.6771	**703.8422**	469.5639
709.2917	355.1495	237.1021	6	N	12	1293.5930	**647.3002**	431.8692
810.3393	405.6733	**270.7846**	7	T	11	1179.5501	**590.2787**	393.8549
911.3870	456.1971	304.4672	8	T	10	1078.5024	**539.7549**	360.1723
998.4190	**499.7132**	**333.4779**	9	S	9	**977.4547**	**489.2310**	326.4898
1135.4780	**568.2426**	379.1642	10	H	8	890.4227	**445.7150**	297.4791
1232.5307	616.7690	411.5151	11	P	7	**753.3638**	**377.1855**	**251.7928**
1369.5896	685.2985	457.2014	12	H	6	**656.3111**	**328.6592**	219.4419
1498.6322	**749.8197**	**500.2156**	13	E	5	**519.2521**	260.1297	173.7556
1569.6693	785.3383	**523.8946**	14	A	4	**390.2095**	195.6084	130.7414
1656.7014	828.8543	**552.9053**	15	S	3	319.1724	160.0899	107.0623
1713.7228	857.3650	**571.9125**	16	G	2	232.1404	116.5738	78.0517
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SLSS$_{167}$LSNQR$_{166}$.C/2

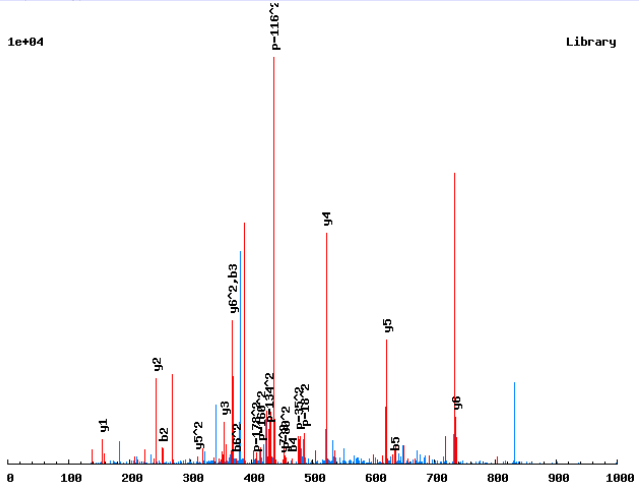
0.994



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
255.0377	128.0225	2	S	9	1081.4913	541.2493
368.1217	184.5645	3	L	8	**994.4593**	**497.7333**
455.1538	228.0805	4	S	7	**881.3752**	441.1912
622.1521	**311.5797**	5	S[167]	6	**794.3432**	397.6752
735.2362	**368.1217**	6	L	5	627.3448	**314.1760**
822.2682	411.6377	7	S	4	**514.2608**	257.6340
936.3111	468.6592	8	N	3	**427.2287**	214.1180
1064.3697	**532.6885**	9	Q	2	**313.1858**	157.0965
		10	R[166]	1	185.1272	93.0672

R.SS$_{167}$LVS$_{167}$LSK$_{136}$.V/2

0.8981

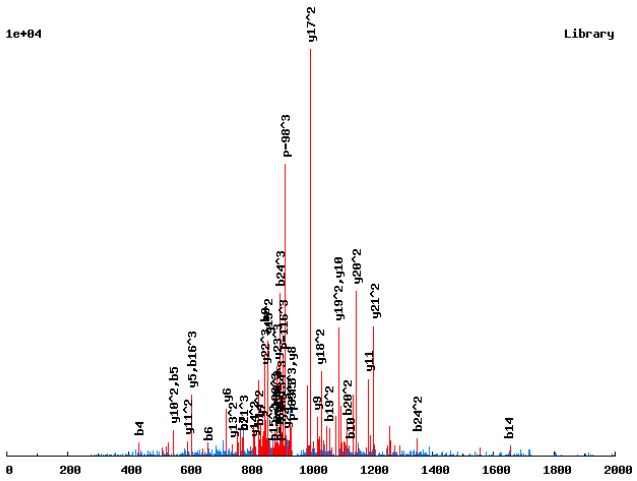


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
255.0377	128.0225	2	S[167]	7	901.3923	451.1998
368.1217	184.5645	3	L	6	734.3939	367.7006
467.1901	234.0987	4	V	5	621.3099	311.1586
634.1885	317.5979	5	S[167]	4	522.2414	261.6244
747.2726	374.1399	6	L	3	355.2431	178.1252
834.3046	417.6559	7	S	2	242.1590	121.5832
		8	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.SSMQIDNAPT$_{181}$PHNT$_{181}$PASVLNPSYLK.N/3

1

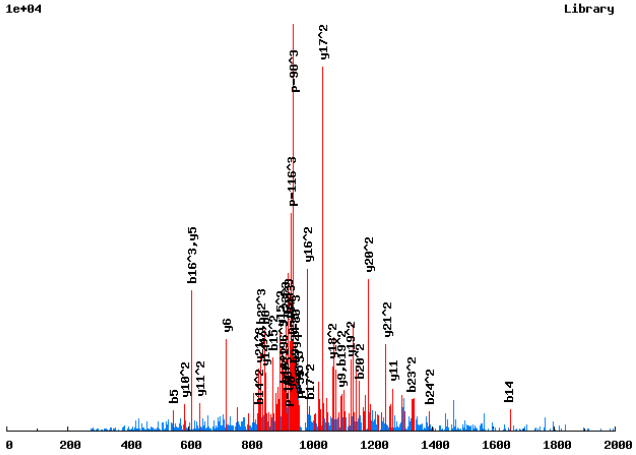


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	25			
175.0713	88.0393	59.0286	2	S	24	2755.2198	1378.1135	**919.0781**
306.1118	153.5596	102.7088	3	M	23	2668.1878	1334.5975	**890.0674**
434.1704	217.5888	145.3950	4	Q	22	2537.1473	1269.0773	**846.3873**
547.2545	274.1309	183.0897	5	I	21	2409.0887	**1205.0480**	803.7011
662.2814	331.6443	221.4320	6	D	20	2296.0046	**1148.5060**	766.0064
776.3243	388.6658	259.4463	7	N	19	2180.9777	**1090.9925**	727.6641
847.3614	424.1844	283.1253	8	A	18	2066.9348	**1033.9710**	689.6498
944.4142	472.7107	315.4763	9	P	17	1995.8977	**998.4525**	665.9707
1125.4282	563.2178	375.8143	10	T[181]	16	1898.8449	949.9261	633.6198
1222.4810	611.7441	408.1652	11	P	15	1717.8309	**859.4191**	573.2818
1359.5399	680.2736	453.8515	12	H	14	1620.7781	**810.8927**	540.9309
1473.5828	737.2951	491.8658	13	N	13	1483.7192	**742.3633**	495.2446
1654.5968	**827.8021**	552.2038	14	T[181]	12	1369.6763	685.3418	457.2303
1751.6496	**876.3284**	584.5547	15	P	11	**1188.6623**	**594.8348**	396.8923
1822.6867	911.8470	**608.2338**	16	A	10	**1091.6095**	**546.3084**	364.5414
1909.7187	955.3630	637.2444	17	S	9	**1020.5724**	510.7898	340.8623
2008.7871	1004.8972	670.2672	18	V	8	**933.5404**	467.2738	311.8516
2121.8712	**1061.4392**	707.9619	19	L	7	**834.4720**	417.7396	278.8288
2235.9141	**1118.4607**	745.9762	20	N	6	**721.3879**	361.1976	241.1342
2332.9669	1166.9871	**778.3272**	21	P	5	**607.3450**	304.1761	203.1198
2419.9989	1210.5031	807.3378	22	S	4	510.2922	255.6498	170.7689
2583.0623	1292.0348	861.6923	23	Y	3	423.2602	212.1337	141.7582
2696.1463	**1348.5768**	**899.3870**	24	L	2	260.1969	130.6021	87.4038
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SSMQIDNAPT$_{181}$PHNT$_{181}$PAS$_{167}$VLNPSYLK.N/3

0.9998

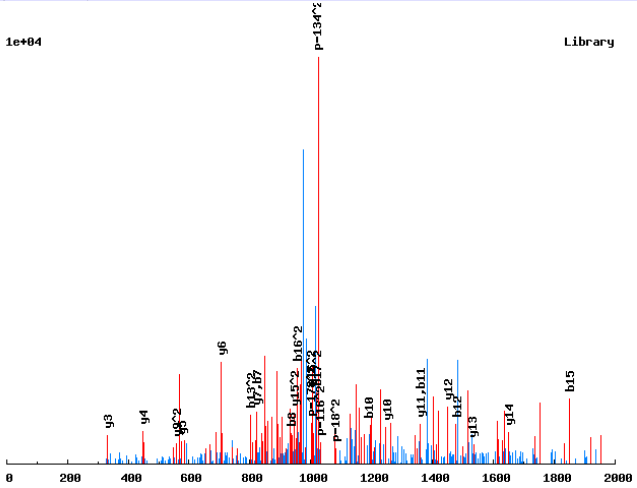


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	25			
175.0713	88.0393	59.0286	2	S	24	2835.1861	1418.0967	**945.7336**
306.1118	153.5596	102.7088	3	M	23	2748.1541	1374.5807	**916.7229**
434.1704	217.5888	145.3950	4	Q	22	2617.1136	1309.0604	873.0427
547.2545	274.1309	183.0897	5	I	21	2489.0550	**1245.0312**	**830.3565**
662.2814	331.6443	221.4320	6	D	20	2375.9710	**1188.4891**	792.6618
776.3243	388.6658	259.4463	7	N	19	2260.9440	**1130.9757**	754.3195
847.3614	424.1844	283.1253	8	A	18	2146.9011	**1073.9542**	716.3052
944.4142	472.7107	315.4763	9	P	17	2075.8640	**1038.4356**	692.6262
1125.4282	563.2178	375.8143	10	T[181]	16	1978.8112	**989.9093**	660.2753
1222.4810	611.7441	408.1652	11	P	15	1797.7972	**899.4023**	599.9373
1359.5399	680.2736	453.8515	12	H	14	1700.7445	**850.8759**	567.5863
1473.5828	737.2951	491.8658	13	N	13	1563.6856	782.3464	521.9000
1654.5968	**827.8021**	552.2038	14	T[181]	12	1449.6426	725.3250	483.8857
1751.6496	**876.3284**	584.5547	15	P	11	**1268.6286**	**634.8179**	423.5477
1822.6867	**911.8470**	**608.2338**	16	A	10	1171.5759	**586.2916**	391.1968
1989.6851	**995.3462**	663.8999	17	S[167]	9	**1100.5387**	550.7730	367.5178
2088.7535	1044.8804	696.9227	18	V	8	**933.5404**	467.2738	311.8516
2201.8375	**1101.4224**	734.6174	19	L	7	**834.4720**	417.7396	278.8288
2315.8805	**1158.4439**	772.6317	20	N	6	**721.3879**	361.1976	241.1342
2412.9332	1206.9703	804.9826	21	P	5	**607.3450**	304.1761	203.1198
2499.9653	1250.4863	**833.9933**	22	S	4	510.2922	255.6498	170.7689
2663.0286	**1332.0179**	888.3477	23	Y	3	423.2602	212.1337	141.7582
2776.1126	**1388.5600**	**926.0424**	24	L	2	260.1969	130.6021	87.4038
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SSNY$_{243}$DSSDEES$_{167}$DEEDGKK.V/2

0.9902

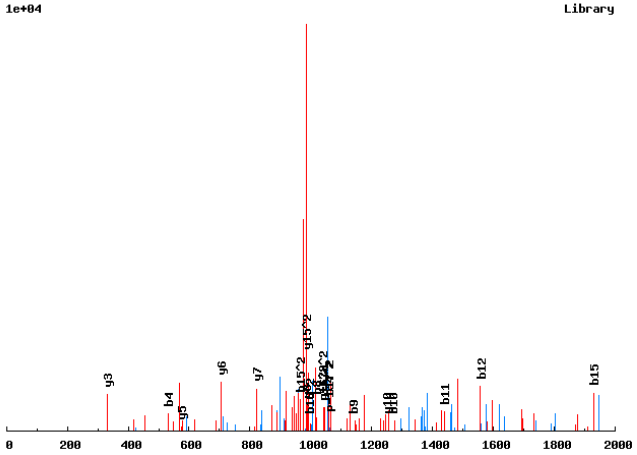


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	18		
175.0713	88.0393	2	S	17	2093.6744	1047.3408
289.1143	145.0608	3	N	16	2006.6424	**1003.8248**
532.1439	266.5756	4	Y[243]	15	1892.5994	**946.8034**
647.1709	324.0891	5	D	14	**1649.5698**	825.2885
734.2029	367.6051	6	S	13	**1534.5428**	767.7751
821.2349	411.1211	7	S	12	**1447.5108**	724.2590
936.2619	468.6346	8	D	11	**1360.4788**	680.7430
1065.3045	533.1559	9	E	10	**1245.4518**	623.2296
1194.3471	597.6772	10	E	9	1116.4092	**558.7083**
1361.3454	681.1763	11	S[167]	8	987.3666	494.1870
1476.3724	738.6898	12	D	7	**820.3683**	410.6878
1605.4149	**803.2111**	13	E	6	**705.3413**	353.1743
1734.4575	867.7324	14	E	5	**576.2988**	288.6530
1849.4845	925.2459	15	D	4	**447.2562**	224.1317
1906.5059	**953.7566**	16	G	3	**332.2292**	166.6182
2034.6009	**1017.8041**	17	K	2	275.2078	138.1075
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SSNY$_{243}$DSS$_{167}$DEES$_{167}$DEEDGKK.V/2

0.9363

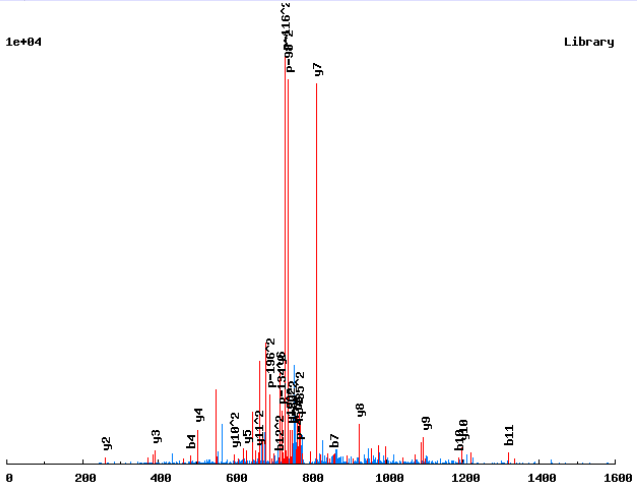


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	18		
175.0713	88.0393	2	S	17	2173.6407	1087.3240
289.1143	145.0608	3	N	16	2086.6087	**1043.8080**
532.1439	266.5756	4	Y[243]	15	1972.5658	**986.7865**
647.1709	324.0891	5	D	14	1729.5361	865.2717
734.2029	367.6051	6	S	13	1614.5092	807.7582
901.2013	451.1043	7	S[167]	12	1527.4771	764.2422
1016.2282	508.6177	8	D	11	1360.4788	680.7430
1145.2708	573.1390	9	E	10	**1245.4518**	623.2296
1274.3134	637.6603	10	E	9	1116.4092	558.7083
1441.3117	721.1595	11	S[167]	8	**987.3666**	494.1870
1556.3387	778.6730	12	D	7	**820.3683**	410.6878
1685.3813	843.1943	13	E	6	**705.3413**	353.1743
1814.4239	907.7156	14	E	5	**576.2988**	288.6530
1929.4508	**965.2290**	15	D	4	447.2562	224.1317
1986.4723	**993.7398**	16	G	3	**332.2292**	166.6182
2114.5672	**1057.7873**	17	K	2	275.2078	138.1075
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$QTS$_{167}$LPSQLENK.D/2

0.9995

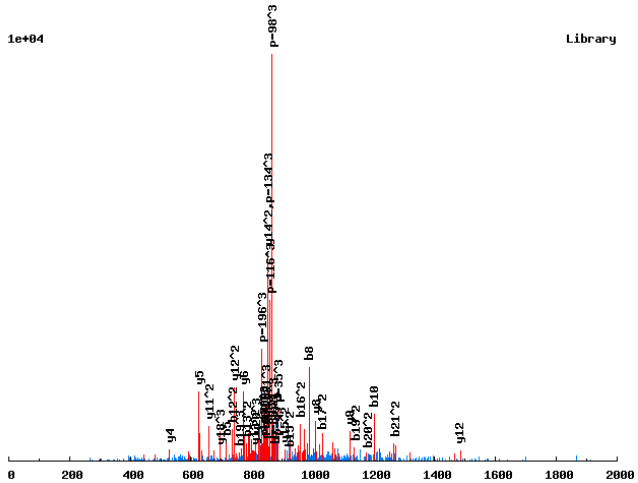


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
255.0377	128.0225	2	S[167]	12	1491.6128	**746.3100**
383.0963	192.0518	3	Q	11	1324.6144	**662.8109**
484.1439	242.5756	4	T	10	**1196.5559**	**598.7816**
651.1423	326.0748	5	S[167]	9	**1095.5082**	548.2577
764.2264	382.6168	6	L	8	**928.5098**	464.7585
861.2791	431.1432	7	P	7	**815.4258**	408.2165
948.3111	474.6592	8	S	6	**718.3730**	359.6901
1076.3697	538.6885	9	Q	5	**631.3410**	316.1741
1189.4538	595.2305	10	L	4	**503.2824**	252.1448
1318.4964	659.7518	11	E	3	**390.1983**	195.6028
1432.5393	**716.7733**	12	N	2	**261.1557**	131.0815
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$R$_{166}$T$_{181}$NSAISQS$_{167}$PVNYAFPNPYK$_{136}$.I/3

0.7859

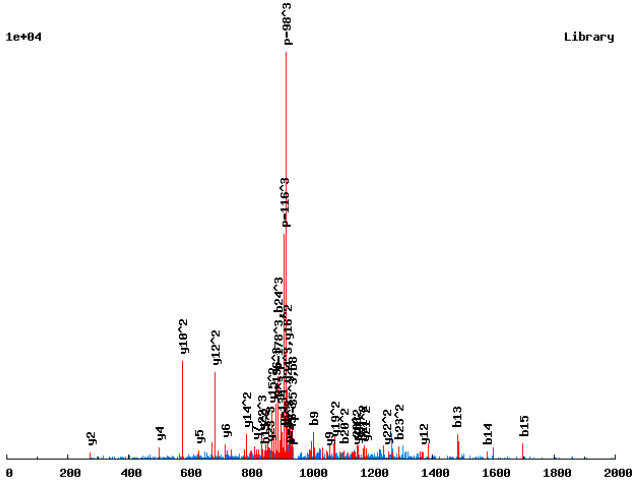


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	22			
255.0377	128.0225	85.6841	2	S[167]	21	2599.0786	1300.0429	**867.0310**
421.1470	211.0772	141.0539	3	R[166]	20	2432.0802	1216.5438	**811.3649**
602.1611	301.5842	201.3919	4	T[181]	19	2265.9708	1133.4891	755.9951
716.2040	358.6056	239.4062	5	N	18	2084.9568	1042.9821	**695.6571**
803.2360	402.1217	268.4169	6	S	17	1970.9139	985.9606	657.6428
874.2731	437.6402	292.0959	7	A	16	1883.8819	942.4446	628.6321
987.3572	494.1822	329.7906	8	I	15	1812.8448	**906.9260**	604.9531
1074.3892	537.6983	358.8013	9	S	14	1699.7607	**850.3840**	567.2584
1202.4478	601.7275	401.4875	10	Q	13	1612.7287	**806.8680**	538.2477
1369.4462	685.2267	457.1536	11	S[167]	12	**1484.6701**	**742.8387**	495.5615
1466.4989	**733.7531**	489.5045	12	P	11	1317.6717	**659.3395**	439.8954
1565.5673	**783.2873**	522.5273	13	V	10	1220.6190	610.8131	407.5445
1679.6103	**840.3088**	560.5416	14	N	9	**1121.5506**	561.2789	374.5217
1842.6736	**921.8404**	614.8961	15	Y	8	**1007.5076**	504.2575	336.5074
1913.7107	**957.3590**	638.5751	16	A	7	**844.4443**	422.7258	282.1530
2060.7791	**1030.8932**	687.5979	17	F	6	**773.4072**	387.2072	258.4739
2157.8319	1079.4196	719.9488	18	P	5	**626.3388**	313.6730	209.4511
2271.8748	**1136.4410**	**757.9631**	19	N	4	**529.2860**	265.1466	177.1002
2368.9276	**1184.9674**	790.3140	20	P	3	415.2431	208.1252	139.0859
2531.9909	**1266.4991**	**844.6685**	21	Y	2	318.1903	159.5988	106.7350
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.SS$_{167}$FAHLQAPS$_{167}$PIPDPLQVSKPETR.M/3

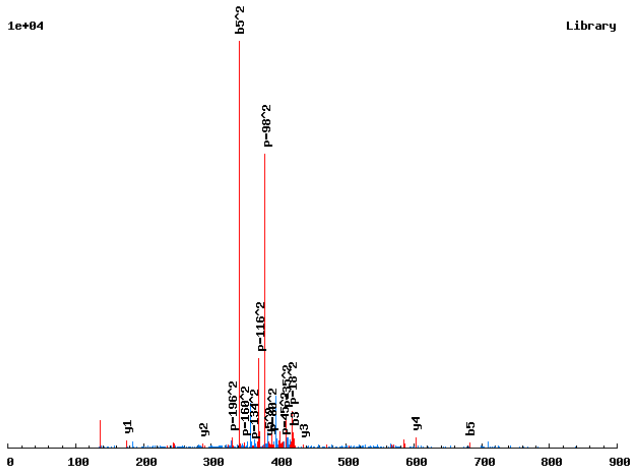
0.9872



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	25			
255.0377	128.0225	85.6841	2	S[167]	24	2762.2950	1381.6511	**921.4365**
342.0697	171.5385	114.6948	3	S	23	2595.2966	1298.1520	**865.7704**
489.1381	245.0727	163.7176	4	F	22	2508.2646	**1254.6359**	**836.7597**
560.1752	280.5913	187.3966	5	A	21	2361.1962	**1181.1017**	787.7369
697.2341	349.1207	233.0829	6	H	20	2290.1591	**1145.5832**	764.0579
810.3182	405.6627	270.7776	7	L	19	2153.1002	**1077.0537**	718.3716
938.3768	469.6920	313.4638	8	Q	18	2040.0161	1020.5117	680.6769
1009.4139	505.2106	337.1428	9	A	17	1911.9575	956.4824	637.9907
1106.4666	553.7370	369.4937	10	P	16	1840.9204	**920.9639**	614.3117
1273.4650	637.2361	425.1599	11	S[167]	15	1743.8677	**872.4375**	581.9607
1370.5178	685.7625	457.5108	12	P	14	1576.8693	**788.9383**	526.2946
1483.6018	742.3046	495.2055	13	I	13	1479.8165	740.4119	493.9437
1580.6546	790.8309	527.5564	14	P	12	**1366.7325**	**683.8699**	456.2490
1695.6815	**848.3444**	565.8987	15	D	11	1269.6797	635.3435	423.8981
1792.7343	896.8708	598.2496	16	P	10	**1154.6528**	**577.8300**	385.5558
1905.8183	953.4128	635.9443	17	L	9	**1057.6000**	529.3037	353.2049
2033.8769	1017.4421	678.6305	18	Q	8	944.5160	472.7616	315.5102
2132.9453	1066.9763	711.6533	19	V	7	**816.4574**	408.7323	272.8240
2219.9774	**1110.4923**	740.6640	20	S	6	**717.3890**	359.1981	239.8012
2348.0723	**1174.5398**	783.3623	21	K	5	**630.3569**	315.6821	210.7905
2445.1251	1223.0662	815.7132	22	P	4	**502.2620**	251.6346	168.0922
2574.1677	**1287.5875**	858.7274	23	E	3	405.2092	203.1082	135.7413
2675.2154	1338.1113	**892.4100**	24	T	2	**276.1666**	138.5870	92.7271
			25	R	1	175.1190	88.0631	59.0445

R.SS$_{167}$S$_{167}$FLR.H/2

0.8222

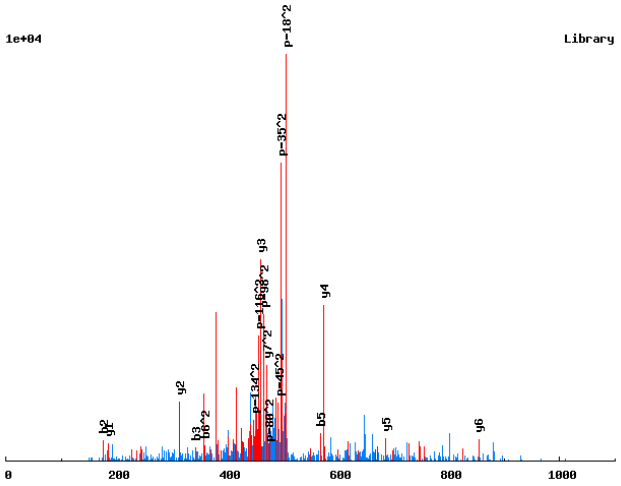


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	6		
255.0377	128.0225	2	S[167]	5	769.2681	**385.1377**
422.0360	211.5217	3	S[167]	4	**602.2698**	301.6385
569.1044	285.0559	4	F	3	**435.2714**	218.1393
682.1885	**341.5979**	5	L	2	**288.2030**	144.6051
		6	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.SSS$_{167}$ILFQR$_{166}$.Q/2

0.961

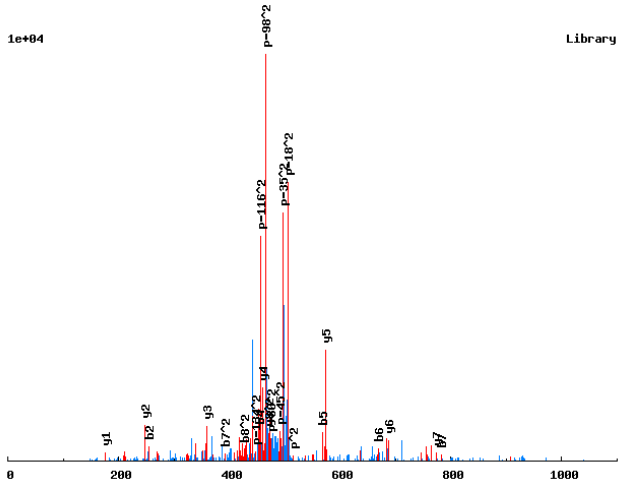


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
175.0713	88.0393	2	S	7	940.4527	**470.7300**
342.0697	171.5385	3	S[167]	6	**853.4207**	427.2140
455.1538	228.0805	4	I	5	**686.4223**	343.7148
568.2378	284.6226	5	L	4	**573.3383**	287.1728
715.3062	**358.1568**	6	F	3	**460.2542**	230.6307
843.3648	422.1860	7	Q	2	**313.1858**	157.0965
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

K.SS$_{167}$SILTLAR.E/2

0.9952

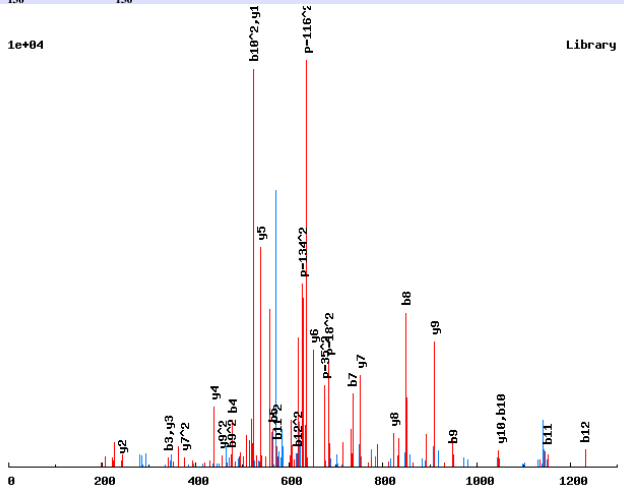


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
255.0377	128.0225	2	S[167]	8	940.4863	**470.7468**
342.0697	171.5385	3	S	7	**773.4880**	387.2476
455.1538	228.0805	4	I	6	**686.4559**	343.7316
568.2378	284.6226	5	L	5	**573.3719**	287.1896
669.2855	335.1464	6	T	4	**460.2878**	230.6475
782.3696	**391.6884**	7	L	3	**359.2401**	180.1237
853.4067	**427.2070**	8	A	2	**246.1561**	123.5817
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$SK$_{136}$SAVITPVSK$_{136}$.S/2

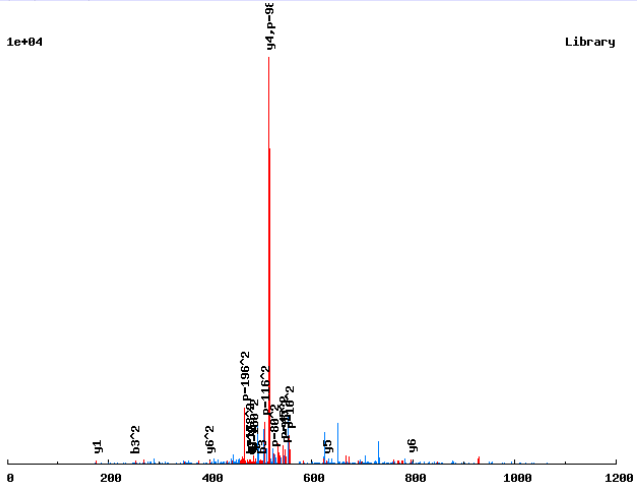
0.9617



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	13		
255.0377	128.0225	2	S[167]	12	1299.6890	650.3482
342.0697	171.5385	3	S	11	1132.6907	566.8490
478.1789	239.5931	4	K[136]	10	**1045.6586**	**523.3330**
565.2109	283.1091	5	S	9	**909.5495**	**455.2784**
636.2480	318.6276	6	A	8	**822.5175**	411.7624
735.3164	368.1618	7	V	7	**751.4803**	**376.2438**
848.4005	424.7039	8	I	6	**652.4119**	326.7096
949.4482	**475.2277**	9	T	5	**539.3279**	270.1676
1046.5009	**523.7541**	10	P	4	**438.2802**	219.6437
1145.5693	**573.2883**	11	V	3	**341.2274**	171.1174
1232.6014	**616.8043**	12	S	2	**242.1590**	121.5832
		13	K[136]	1	155.1270	78.0671

R.S$_{167}$S$_{167}$S$_{167}$LSSS$_{167}$R.Q/2

0.62

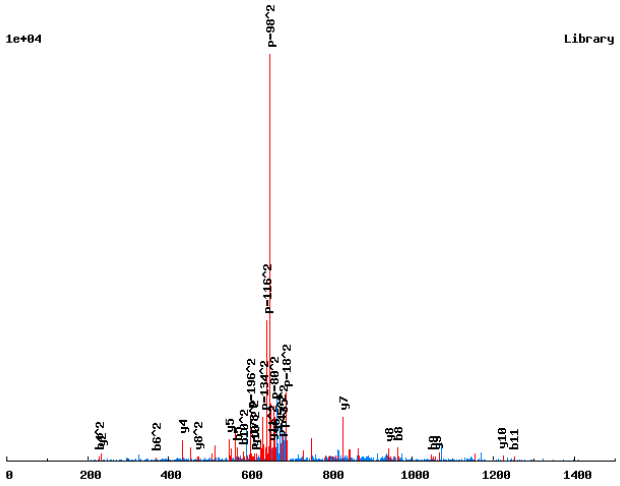


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	8		
335.0040	168.0056	2	S[167]	7	963.2622	**482.1347**
502.0024	**251.5048**	3	S[167]	6	**796.2638**	**398.6355**
615.0864	308.0469	4	L	5	**629.2654**	315.1364
702.1185	351.5629	5	S	4	**516.1814**	258.5943
789.1505	395.0789	6	S	3	429.1493	215.0783
956.1488	**478.5781**	7	S[167]	2	342.1173	171.5623
		8	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.SSS$_{167}$NLS$_{167}$LDSLSK.M/2

0.9715

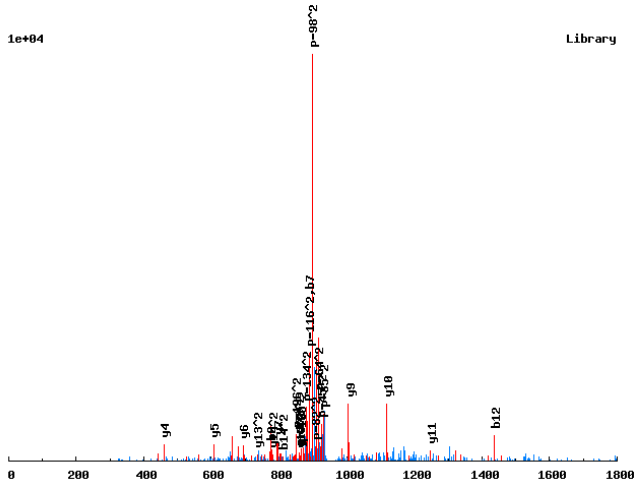


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
175.0713	88.0393	2	S	11	1310.5277	**655.7675**
342.0697	171.5385	3	S[167]	10	**1223.4956**	**612.2515**
456.1126	**228.5600**	4	N	9	**1056.4973**	528.7523
569.1967	285.1020	5	L	8	**942.4543**	**471.7308**
736.1951	**368.6012**	6	S[167]	7	**829.3703**	415.1888
849.2791	425.1432	7	L	6	**662.3719**	331.6896
964.3061	482.6567	8	D	5	**549.2879**	275.1476
1051.3381	526.1727	9	S	4	**434.2609**	217.6341
1164.4221	**582.7147**	10	L	3	347.2289	174.1181
1251.4542	626.2307	11	S	2	**234.1448**	117.5761
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$S$_{167}$SPEENPITSM$_{147}$PSEK.N/2

0.9669

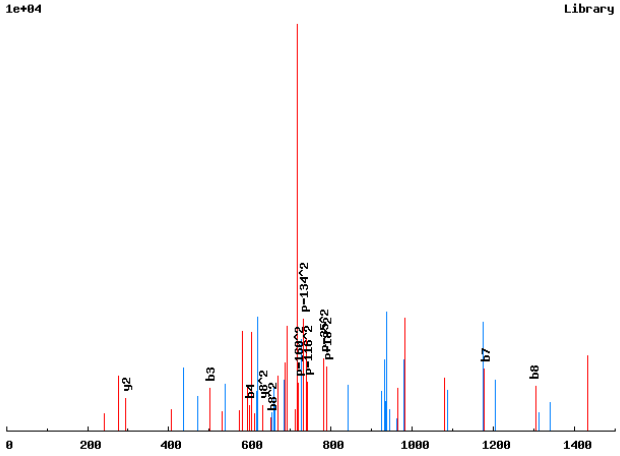


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	16		
335.0040	168.0056	2	S[167]	15	1728.7034	**864.8553**
422.0360	211.5217	3	S	14	1561.7050	**781.3561**
519.0888	260.0480	4	P	13	1474.6730	**737.8401**
648.1314	324.5693	5	E	12	1377.6202	689.3138
777.1740	389.0906	6	E	11	**1248.5776**	624.7925
891.2169	446.1121	7	N	10	**1119.5350**	560.2712
988.2697	494.6385	8	P	9	**1005.4921**	503.2497
1101.3537	551.1805	9	I	8	908.4394	454.7233
1202.4014	601.7043	10	T	7	**795.3553**	398.1813
1289.4334	645.2204	11	S	6	**694.3076**	347.6574
1436.4688	718.7381	12	M[147]	5	**607.2756**	304.1414
1533.5216	767.2644	13	P	4	**460.2402**	230.6237
1620.5536	**810.7805**	14	S	3	363.1874	182.0973
1749.5962	875.3017	15	E	2	276.1554	138.5813
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$S$_{167}$S$_{167}$PS$_{167}$Y$_{243}$S$_{167}$QFK.T/2

0.6924

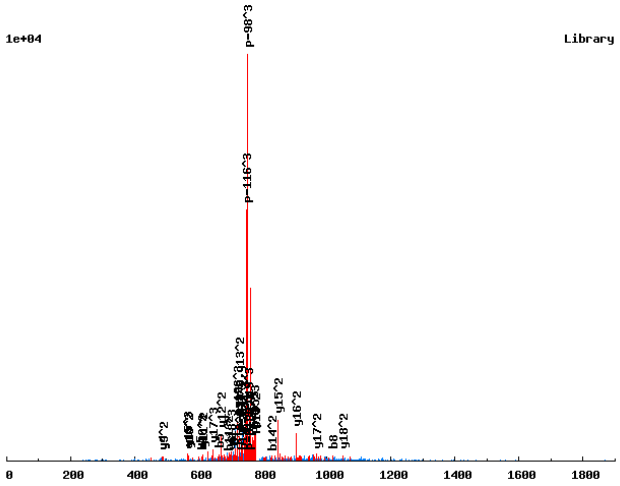


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
335.0040	168.0056	2	S[167]	9	1430.3157	715.6615
502.0024	251.5048	3	S[167]	8	1263.3173	**632.1623**
599.0551	300.0312	4	P	7	1096.3189	548.6631
766.0535	383.5304	5	S[167]	6	999.2662	500.1367
1009.0831	505.0452	6	Y[243]	5	832.2678	416.6375
1176.0815	588.5444	7	S[167]	4	589.2382	295.1227
1304.1401	**652.5737**	8	Q	3	422.2398	211.6235
1451.2085	726.1079	9	F	2	**294.1812**	147.5942
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$S$_{167}$QLDQLNSC$_{160}$SSVTDPSKR.S/3

0.7548

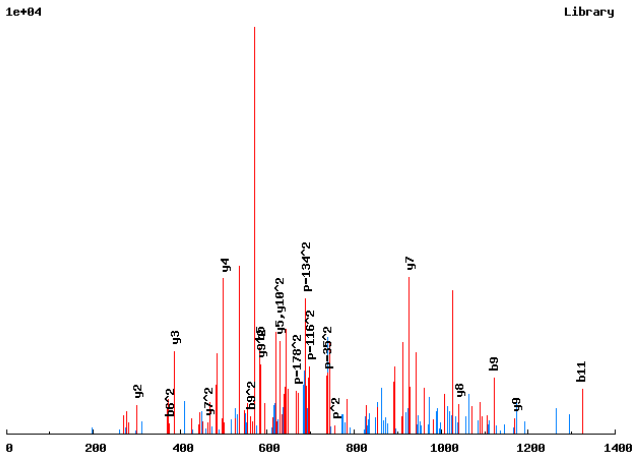


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
255.0377	128.0225	85.6841	2	S[167]	19	2268.9203	1134.9638	**756.9783**
422.0360	211.5217	141.3502	3	S[167]	18	2101.9220	**1051.4646**	**701.3122**
550.0946	275.5509	184.0364	4	Q	17	1934.9236	**967.9655**	**645.6461**
663.1787	332.0930	221.7311	5	L	16	1806.8650	**903.9362**	602.9599
778.2056	389.6064	260.0734	6	D	15	1693.7810	**847.3941**	**565.2652**
906.2642	453.6357	302.7596	7	Q	14	1578.7540	789.8807	526.9229
1019.3483	510.1778	340.4543	8	L	13	1450.6955	**725.8514**	484.2367
1133.3912	567.1992	378.4686	9	N	12	1337.6114	**669.3093**	446.5420
1220.4232	**610.7152**	407.4793	10	S	11	1223.5685	**612.2879**	408.5277
1380.4539	**690.7306**	460.8228	11	C[160]	10	1136.5364	**568.7719**	379.5170
1467.4859	**734.2466**	489.8335	12	S	9	976.5058	**488.7565**	326.1735
1554.5179	**777.7626**	518.8442	13	S	8	889.4738	445.2405	297.1628
1653.5863	**827.2968**	551.8670	14	V	7	802.4417	401.7245	268.1521
1754.6340	877.8206	585.5495	15	T	6	**703.3733**	352.1903	235.1293
1869.6610	935.3341	623.8918	16	D	5	**602.3256**	301.6665	201.4467
1966.7137	983.8605	656.2428	17	P	4	**487.2987**	244.1530	163.1044
2053.7457	1027.3765	685.2534	18	S	3	390.2459	195.6266	130.7535
2181.8407	1091.4240	**727.9518**	19	K	2	303.2139	152.1106	101.7428
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$QLS$_{167}$MELSNR$_{166}$.D/2

0.7944

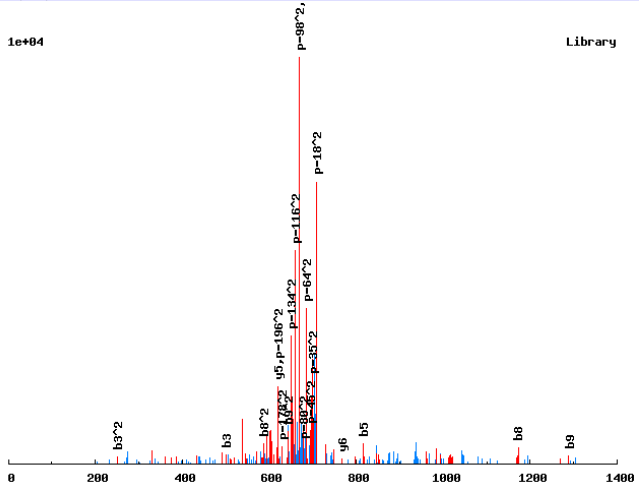


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
255.0377	128.0225	2	S[167]	11	1421.5407	711.2740
342.0697	171.5385	3	S	10	1254.5423	**627.7748**
470.1283	235.5678	4	Q	9	**1167.5103**	**584.2588**
583.2123	292.1098	5	L	8	**1039.4517**	520.2295
750.2107	**375.6090**	6	S[167]	7	**926.3677**	**463.6875**
881.2512	441.1292	7	M	6	759.3693	380.1883
1010.2938	505.6505	8	E	5	**628.3288**	314.6681
1123.3778	**562.1926**	9	L	4	**499.2862**	250.1468
1210.4099	605.7086	10	S	3	**386.2022**	193.6047
1324.4528	662.7300	11	N	2	**299.1701**	150.0887
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$S$_{167}$S$_{167}$S$_{167}$M$_{147}$ENDNK.L/2

0.7731

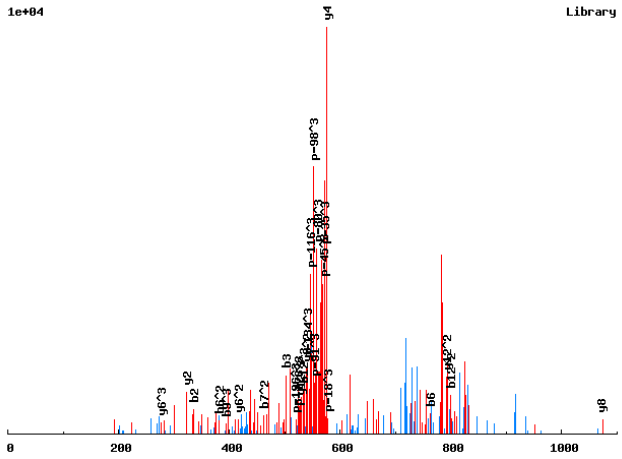


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
335.0040	168.0056	2	S[167]	9	1267.2987	634.1530
502.0024	**251.5048**	3	S[167]	8	1100.3003	550.6538
669.0007	335.0040	4	S[167]	7	933.3020	467.1546
816.0361	408.5217	5	M[147]	6	**766.3036**	383.6554
945.0787	473.0430	6	E	5	**619.2682**	310.1377
1059.1216	530.0645	7	N	4	490.2256	245.6164
1174.1486	**587.5779**	8	D	3	376.1827	188.5950
1288.1915	**644.5994**	9	N	2	261.1557	131.0815
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$S$_{167}$S$_{167}$SSSC$_{160}$SS$_{167}$AT$_{181}$S$_{167}$K$_{136}$.A/3

0.9424

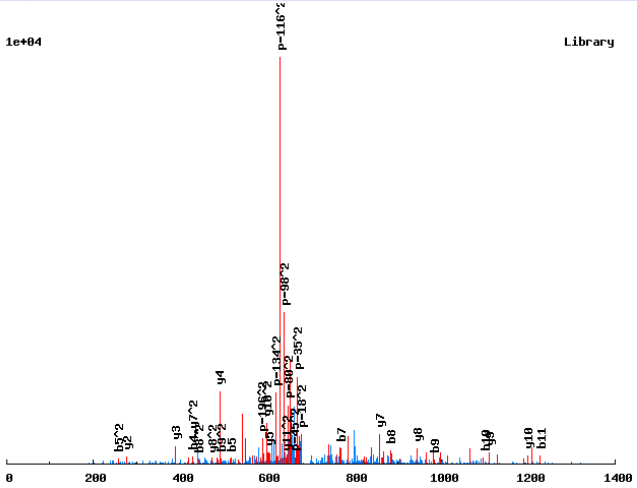


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	13			
335.0040	168.0056	112.3395	2	S[167]	12	1583.3303	**792.1688**	**528.4483**
502.0024	251.5048	168.0056	3	S[167]	11	1416.3320	708.6696	472.7822
589.0344	295.0208	197.0163	4	S	10	1249.3336	625.1704	417.1161
676.0664	338.5369	226.0270	5	S	9	1162.3016	581.6544	388.1054
763.0985	**382.0529**	255.0377	6	S	8	**1075.2696**	**538.1384**	359.0947
923.1291	**462.0682**	308.3812	7	C[160]	7	988.2375	494.6224	330.0840
1010.1611	505.5842	337.3919	8	S	6	828.2069	**414.6071**	**276.7405**
1177.1595	589.0834	**393.0580**	9	S[167]	5	741.1748	371.0911	247.7298
1248.1966	624.6019	416.7371	10	A	4	**574.1765**	287.5919	192.0637
1429.2106	715.1089	477.0751	11	T[181]	3	503.1394	252.0733	168.3846
1596.2090	**798.6081**	**532.7412**	12	S[167]	2	**322.1254**	161.5663	108.0466
			13	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.SSSS$_{167}$SS$_{167}$SITLEK.T/2

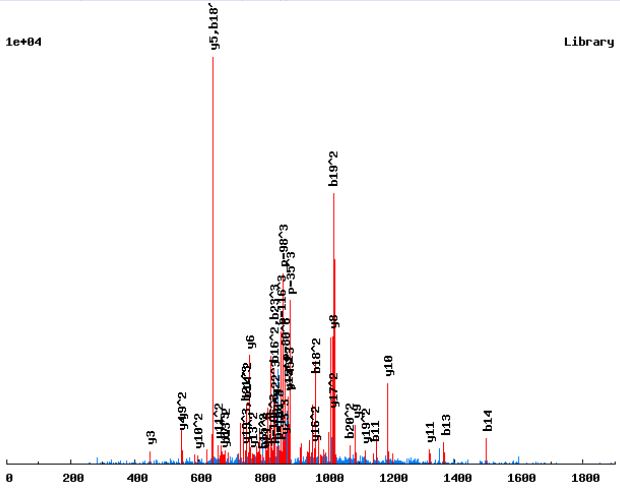
0.9146



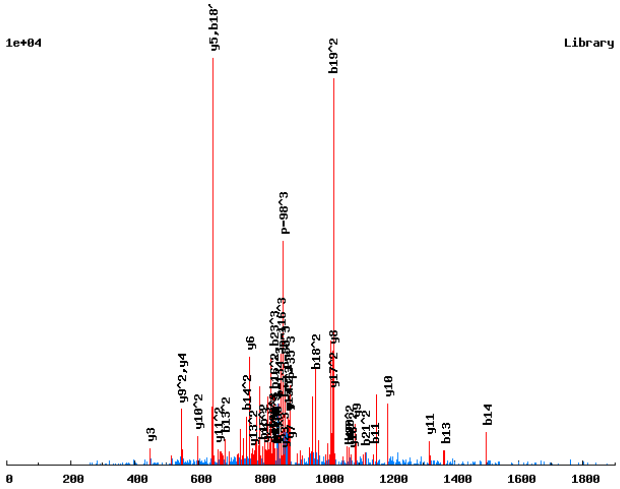
b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
175.0713	88.0393	2	S	11	1285.4960	**643.2517**
262.1034	131.5553	3	S	10	**1198.4640**	**599.7356**
429.1017	215.0545	4	S[167]	9	**1111.4320**	556.2196
516.1338	**258.5705**	5	S	8	**944.4336**	**472.7204**
683.1321	342.0697	6	S[167]	7	**857.4016**	**429.2044**
770.1642	385.5857	7	S	6	690.4032	345.7053
883.2482	**442.1277**	8	I	5	**603.3712**	302.1892
984.2959	**492.6516**	9	T	4	**490.2871**	245.6472
1097.3800	549.1936	10	L	3	**389.2394**	195.1234
1226.4225	613.7149	11	E	2	**276.1554**	138.5813
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.SSSSTSLNS$_{167}$HSPLMTAMEDPPS$_{167}$PR$_{166}$.S/3



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
175.0713	88.0393	59.0286	2	S	23	2599.0481	1300.0277	**867.0209**
262.1034	131.5553	88.0393	3	S	22	2512.0160	1256.5117	**838.0102**
349.1354	175.0713	117.0500	4	S	21	2424.9840	1212.9956	**808.9995**
450.1831	225.5952	150.7325	5	T	20	2337.9520	1169.4796	779.9888
537.2151	269.1112	179.7432	6	S	19	2236.9043	**1118.9558**	**746.3063**
650.2992	325.6532	217.4379	7	L	18	2149.8723	1075.4398	717.2956
764.3421	382.6747	255.4522	8	N	17	2036.7882	**1018.8977**	**679.6009**
931.3405	466.1739	311.1183	9	S[167]	16	1922.7453	**961.8763**	641.5866
1068.3994	534.7033	356.8046	10	H	15	1755.7469	**878.3771**	585.9205
1155.4314	578.2193	385.8153	11	S	14	1618.6880	809.8476	540.2342
1252.4842	626.7457	418.1662	12	P	13	1531.6560	**766.3316**	511.2235
1365.5682	**683.2878**	455.8609	13	L	12	1434.6032	717.8053	478.8726
1496.6087	**748.8080**	499.5411	14	M	11	**1321.5192**	**661.2632**	441.1779
1597.6564	**799.3318**	533.2237	15	T	10	**1190.4787**	**595.7430**	397.4977
1668.6935	**834.8504**	556.9027	16	A	9	**1089.4310**	**545.2191**	363.8152
1799.7340	900.3706	600.5829	17	M	8	**1018.3939**	509.7006	340.1361
1928.7766	**964.8919**	**643.5970**	18	E	7	887.3534	444.1803	296.4560
2043.8035	**1022.4054**	681.9394	19	D	6	**758.3108**	379.6590	253.4418
2140.8563	**1070.9318**	714.2903	20	P	5	**643.2839**	322.1456	215.0995
2237.9090	1119.4582	**746.6412**	21	P	4	**546.2311**	273.6192	182.7486
2404.9074	1202.9573	802.3073	22	S[167]	3	**449.1783**	225.0928	150.3976
2501.9602	1251.4837	**834.6582**	23	P	2	282.1800	141.5936	94.7315
			24	R[166]	1	185.1272	93.0672	62.3806

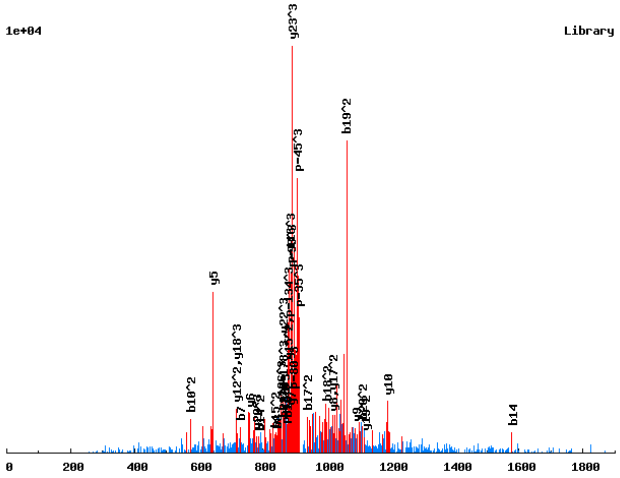


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
175.0713	88.0393	59.0286	2	S	23	2599.0481	1300.0277	**867.0209**
262.1034	131.5553	88.0393	3	S	22	2512.0160	1256.5117	**838.0102**
349.1354	175.0713	117.0500	4	S	21	2424.9840	1212.9956	**808.9995**
450.1831	225.5952	150.7325	5	T	20	2337.9520	1169.4796	779.9888
537.2151	269.1112	179.7432	6	S	19	2236.9043	1118.9558	746.3063
650.2992	325.6532	217.4379	7	L	18	2149.8723	**1075.4398**	717.2956
764.3421	382.6747	255.4522	8	N	17	2036.7882	**1018.8977**	679.6009
931.3405	466.1739	311.1183	9	S[167]	16	1922.7453	961.8763	641.5866
1068.3994	534.7033	356.8046	10	H	15	1755.7469	**878.3771**	585.9205
1155.4314	578.2193	385.8153	11	S	14	1618.6880	809.8476	540.2342
1252.4842	626.7457	418.1662	12	P	13	1531.6560	**766.3316**	511.2235
1365.5682	**683.2878**	455.8609	13	L	12	1434.6032	717.8053	478.8726
1496.6087	**748.8080**	499.5411	14	M	11	**1321.5192**	**661.2632**	441.1779
1597.6564	**799.3318**	533.2237	15	T	10	**1190.4787**	**595.7430**	397.4977
1668.6935	**834.8504**	556.9027	16	A	9	**1089.4310**	**545.2191**	363.8152
1799.7340	900.3706	600.5829	17	M	8	**1018.3939**	509.7006	340.1361
1928.7766	**964.8919**	**643.5970**	18	E	7	**887.3534**	444.1803	296.4560
2043.8035	**1022.4054**	681.9394	19	D	6	**758.3108**	379.6590	253.4418
2140.8563	**1070.9318**	714.2903	20	P	5	**643.2839**	322.1456	215.0995
2237.9090	**1119.4582**	746.6412	21	P	4	**546.2311**	273.6192	182.7486
2404.9074	1202.9573	802.3073	22	S[167]	3	**449.1783**	225.0928	150.3976
2501.9602	1251.4837	**834.6582**	23	P	2	282.1800	141.5936	94.7315
			24	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SSSS$_{167}$TSLNS$_{167}$HSPLMTAMEDPPS$_{167}$PR$_{166}$.S/3

0.8751

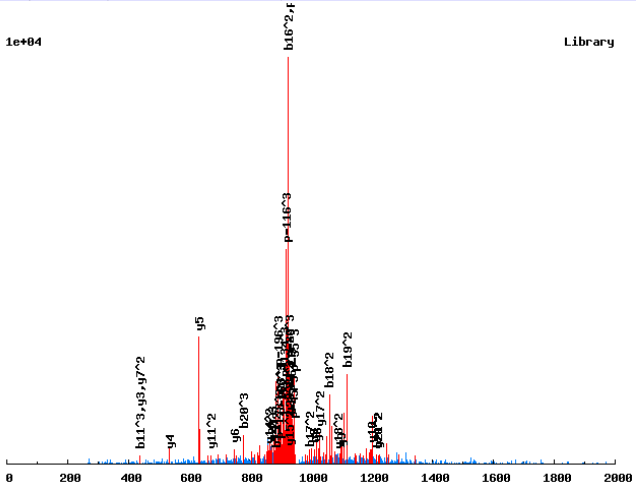


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
175.0713	88.0393	59.0286	2	S	23	2679.0144	1340.0108	**893.6763**
262.1034	131.5553	88.0393	3	S	22	2591.9824	1296.4948	**864.6656**
429.1017	215.0545	143.7054	4	S[167]	21	2504.9503	1252.9788	835.6550
530.1494	265.5783	177.3880	5	T	20	2337.9520	1169.4796	**779.9888**
617.1814	309.0944	206.3987	6	S	19	2236.9043	**1118.9558**	746.3063
730.2655	365.6364	244.0934	7	L	18	2149.8723	1075.4398	**717.2956**
844.3084	422.6579	282.1077	8	N	17	2036.7882	**1018.8977**	679.6009
1011.3068	506.1570	337.7738	9	S[167]	16	1922.7453	961.8763	641.5866
1148.3657	**574.6865**	383.4601	10	H	15	1755.7469	**878.3771**	585.9205
1235.3977	618.2025	412.4708	11	S	14	1618.6880	809.8476	540.2342
1332.4505	666.7289	444.8217	12	P	13	1531.6560	766.3316	511.2235
1445.5346	723.2709	482.5164	13	L	12	1434.6032	**717.8053**	478.8726
1576.5750	**788.7912**	526.1965	14	M	11	1321.5192	661.2632	441.1779
1677.6227	**839.3150**	559.8791	15	T	10	**1190.4787**	595.7430	397.4977
1748.6598	**874.8336**	583.5581	16	A	9	**1089.4310**	545.2191	363.8152
1879.7003	**940.3538**	627.2383	17	M	8	**1018.3939**	509.7006	340.1361
2008.7429	**1004.8751**	670.2525	18	E	7	**887.3534**	444.1803	296.4560
2123.7699	**1062.3886**	708.5948	19	D	6	**758.3108**	379.6590	253.4418
2220.8226	**1110.9149**	740.9457	20	P	5	**643.2839**	322.1456	215.0995
2317.8754	1159.4413	773.2966	21	P	4	546.2311	273.6192	182.7486
2484.8737	1242.9405	828.9628	22	S[167]	3	449.1783	225.0928	150.3976
2581.9265	1291.4669	**861.3137**	23	P	2	282.1800	141.5936	94.7315
			24	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SS$_{167}$SST$_{181}$SLNSHS$_{167}$PLM$_{147}$TAM$_{147}$EDPPS$_{167}$PR.S/3

0.791

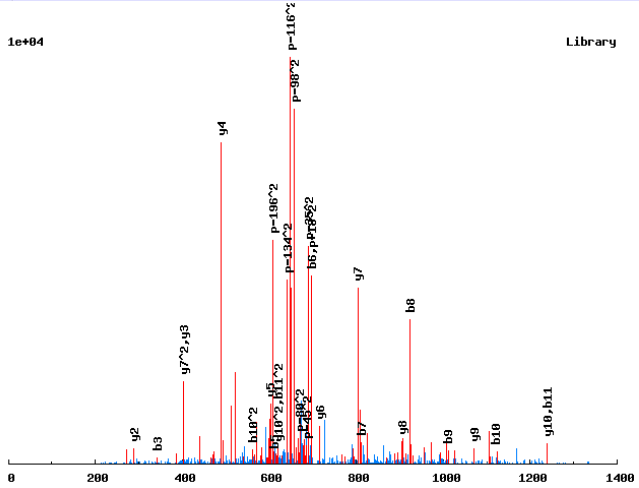


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
255.0377	128.0225	85.6841	2	S[167]	23	2780.9623	1390.9848	**927.6589**
342.0697	171.5385	114.6948	3	S	22	2613.9639	1307.4856	**871.9928**
429.1017	215.0545	143.7054	4	S	21	2526.9319	1263.9696	842.9822
610.1157	305.5615	204.0434	5	T[181]	20	2439.8999	**1220.4536**	813.9715
697.1478	349.0775	233.0541	6	S	19	2258.8859	1129.9466	753.6335
810.2318	405.6196	270.7488	7	L	18	2171.8538	**1086.4306**	724.6228
924.2748	462.6410	308.7631	8	N	17	2058.7698	**1029.8885**	686.9281
1011.3068	506.1570	337.7738	9	S	16	1944.7268	972.8671	648.9138
1148.3657	574.6865	383.4601	10	H	15	1857.6948	**929.3510**	619.9031
1315.3641	658.1857	**439.1262**	11	S[167]	14	1720.6359	**860.8216**	574.2168
1412.4168	706.7121	471.4771	12	P	13	1553.6375	777.3224	518.5507
1525.5009	763.2541	509.1718	13	L	12	1456.5848	728.7960	486.1998
1672.5363	836.7718	558.1836	14	M[147]	11	1343.5007	**672.2540**	448.5051
1773.5840	**887.2956**	591.8662	15	T	10	**1196.4653**	598.7363	399.4933
1844.6211	**922.8142**	615.5452	16	A	9	**1095.4176**	548.2125	365.8107
1991.6565	**996.3319**	664.5570	17	M[147]	8	**1024.3805**	512.6939	342.1317
2120.6991	**1060.8532**	707.5712	18	E	7	**877.3451**	**439.1762**	293.1199
2235.7260	**1118.3666**	745.9135	19	D	6	**748.3025**	374.6549	250.1057
2332.7788	1166.8930	**778.2644**	20	P	5	**633.2756**	317.1414	211.7634
2429.8315	**1215.4194**	810.6154	21	P	4	**536.2228**	268.6151	179.4125
2596.8299	1298.9186	866.2815	22	S[167]	3	**439.1701**	220.0887	147.0615
2693.8826	1347.4450	**898.6324**	23	P	2	272.1717	136.5895	91.3954
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SSS$_{167}$S$_{167}$TSNLSLNR.S/2

0.9997

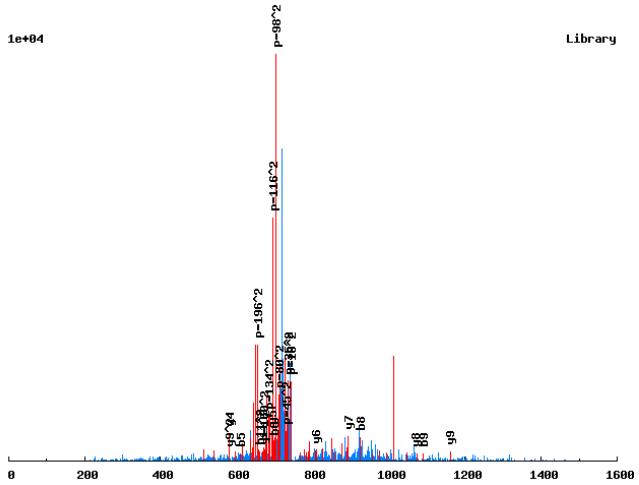


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
175.0713	88.0393	2	S	11	1325.5134	663.2604
342.0697	171.5385	3	S[167]	10	**1238.4814**	**619.7443**
509.0681	255.0377	4	S[167]	9	**1071.4830**	536.2452
610.1157	305.5615	5	T	8	**904.4847**	452.7460
697.1478	349.0775	6	S	7	**803.4370**	**402.2221**
811.1907	406.0990	7	N	6	**716.4050**	358.7061
924.2748	462.6410	8	L	5	**602.3620**	301.6847
1011.3068	506.1570	9	S	4	**489.2780**	245.1426
1124.3909	**562.6991**	10	L	3	**402.2459**	201.6266
1238.4338	**619.7205**	11	N	2	**289.1619**	145.0846
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$SST$_{181}$SNLS$_{167}$LNR$_{166}$.S/2

0.6539

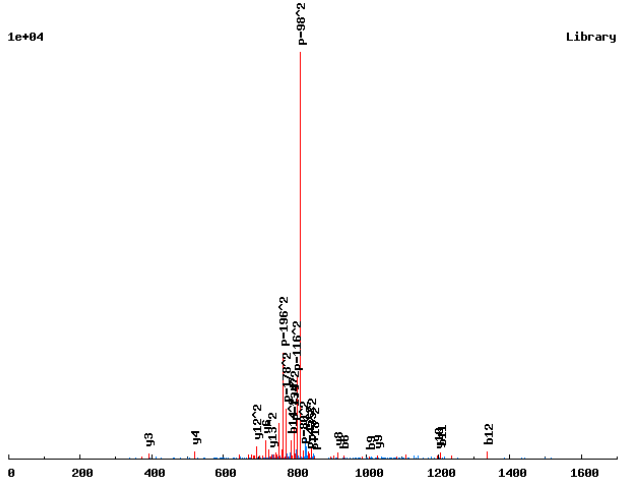


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
255.0377	128.0225	2	S	11	1335.5217	**668.2645**
342.0697	171.5385	3	S	10	1248.4897	624.7485
429.1017	215.0545	4	S	9	**1161.4576**	**581.2325**
610.1157	305.5615	5	T[181]	8	**1074.4256**	537.7164
697.1478	349.0775	6	S	7	**893.4116**	447.2094
811.1907	406.0990	7	N	6	**806.3796**	403.6934
924.2748	462.6410	8	L	5	**692.3366**	346.6720
1091.2731	546.1402	9	S[167]	4	**579.2526**	290.1299
1204.3572	602.6822	10	L	3	412.2542	206.6307
1318.4001	**659.7037**	11	N	2	299.1701	150.0887
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

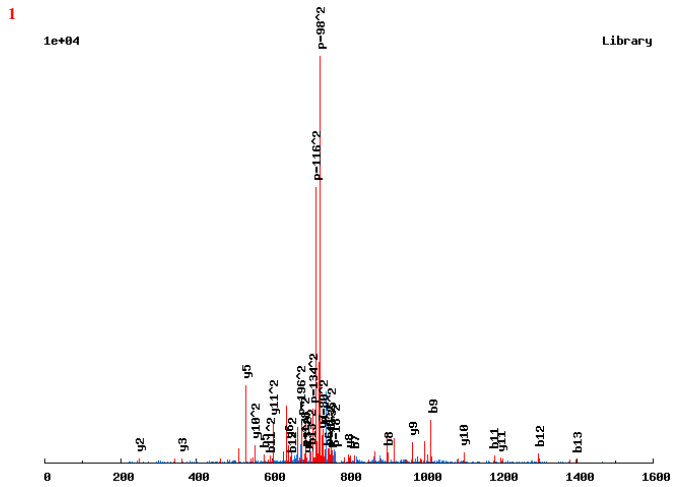
R.S$_{167}$SSSVS$_{167}$LKAAEKPFK.V/2

0.9987



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	15		
255.0377	128.0225	2	S	14	1558.7876	779.8975
342.0697	171.5385	3	S	13	1471.7556	**736.3814**
429.1017	215.0545	4	S	12	1384.7236	**692.8654**
528.1701	264.5887	5	V	11	1297.6915	649.3494
695.1685	348.0879	6	S[167]	10	**1198.6231**	599.8152
808.2526	404.6299	7	L	9	**1031.6248**	516.3160
936.3475	468.6774	8	K	8	**918.5407**	459.7740
1007.3846	504.1960	9	A	7	**790.4457**	395.7265
1078.4217	539.7145	10	A	6	**719.4086**	360.2080
1207.4643	604.2358	11	E	5	648.3715	324.6894
1335.5593	668.2833	12	K	4	**519.3289**	260.1681
1432.6121	716.8097	13	P	3	**391.2340**	196.1206
1579.6805	**790.3439**	14	F	2	294.1812	147.5942
		15	K	1	147.1128	74.0600

R.S$_{167}$SSVHS$_{167}$ASLPALTK.T/2

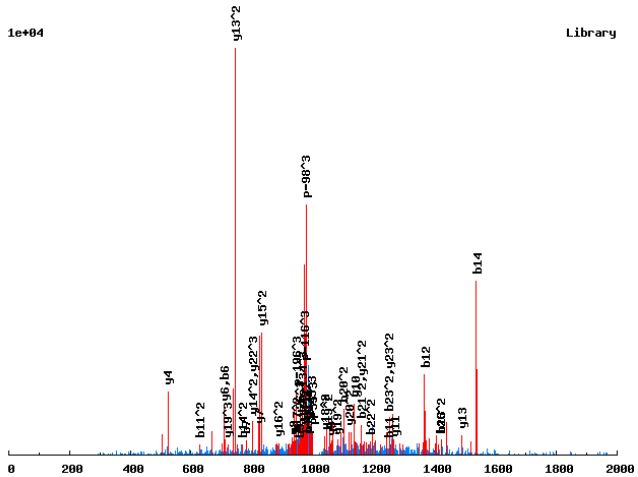


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	14		
255.0377	128.0225	2	S	13	1377.6774	**689.3423**
342.0697	171.5385	3	S	12	1290.6453	645.8263
441.1381	221.0727	4	V	11	**1203.6133**	**602.3103**
578.1970	289.6022	5	H	10	**1104.5449**	**552.7761**
745.1954	373.1013	6	S[167]	9	**967.4860**	484.2466
816.2325	408.6199	7	A	8	**800.4876**	400.7474
903.2645	452.1359	8	S	7	**729.4505**	365.2289
1016.3486	508.6779	9	L	6	**642.4185**	321.7129
1113.4013	557.2043	10	P	5	**529.3344**	265.1708
1184.4385	**592.7229**	11	A	4	432.2817	216.6445
1297.5225	**649.2649**	12	L	3	**361.2445**	181.1259
1398.5702	**699.7887**	13	T	2	**248.1605**	124.5839
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$S$_{167}$SVTSASSHYIGLPQEAQINGEPLQR$_{166}$.A/3

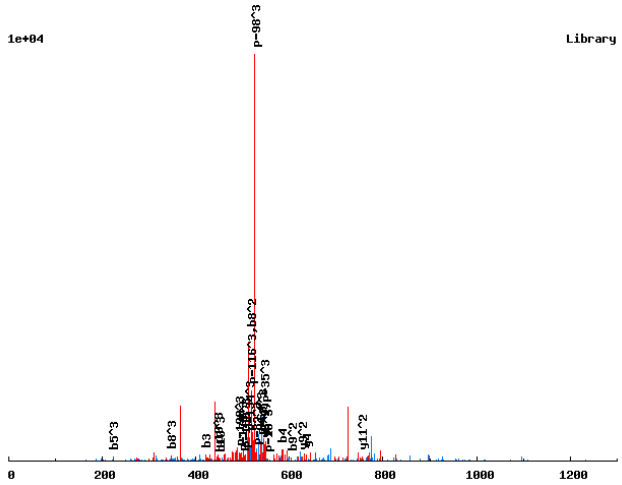
0.9842



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	27			
335.0040	168.0056	112.3395	2	S[167]	26	2859.3548	1430.1810	**953.7898**
422.0360	211.5217	141.3502	3	S	25	2692.3564	1346.6818	898.1237
521.1044	261.0559	174.3730	4	V	24	2605.3244	1303.1658	869.1130
622.1521	311.5797	208.0556	5	T	23	2506.2560	**1253.6316**	836.0902
709.1842	355.0957	237.0662	6	S	22	2405.2083	1203.1078	**802.4076**
780.2213	390.6143	260.7453	7	A	21	2318.1763	**1159.5918**	773.3969
867.2533	434.1303	289.7560	8	S	20	2247.1392	**1124.0732**	749.7179
954.2853	477.6463	318.7666	9	S	19	2160.1071	**1080.5572**	**720.7072**
1091.3442	546.1758	364.4529	10	H	18	2073.0751	**1037.0412**	691.6966
1254.4076	**627.7074**	418.8074	11	Y	17	1936.0162	**968.5117**	646.0102
1367.4916	684.2495	456.5021	12	I	16	1772.9529	**886.9801**	591.6558
1424.5131	712.7602	475.5092	13	G	15	1659.8688	**830.4380**	553.9611
1537.5971	**769.3022**	513.2039	14	L	14	1602.8473	**801.9273**	534.9540
1634.6499	817.8286	545.5548	15	P	13	**1489.7633**	**745.3853**	497.2593
1762.7085	881.8579	588.2410	16	Q	12	1392.7105	696.8589	464.9084
1891.7511	**946.3792**	631.2552	17	E	11	**1264.6519**	632.8296	422.2222
1962.7882	**981.8977**	654.9342	18	A	10	**1135.6093**	568.3083	379.2080
2090.8468	**1045.9270**	697.6204	19	Q	9	**1064.5722**	532.7898	355.5289
2203.9308	**1102.4691**	735.3151	20	I	8	**936.5137**	468.7605	312.8427
2317.9738	**1159.4905**	773.3294	21	N	7	**823.4296**	412.2184	275.1481
2374.9952	**1188.0012**	792.3366	22	G	6	**709.3867**	355.1970	237.1337
2504.0378	**1252.5225**	835.3508	23	E	5	652.3652	326.6862	218.1266
2601.0906	1301.0489	867.7017	24	P	4	**523.3226**	262.1649	175.1124
2714.1746	1357.5910	905.3964	25	L	3	426.2699	213.6386	142.7615
2842.2332	**1421.6202**	948.0826	26	Q	2	313.1858	157.0965	105.0668
			27	R[166]	1	185.1272	93.0672	62.3806

R.S$_{167}$S$_{167}$SYSSNS$_{167}$S$_{167}$M$_{147}$S$_{167}$K$_{136}$.D/3

0.8509

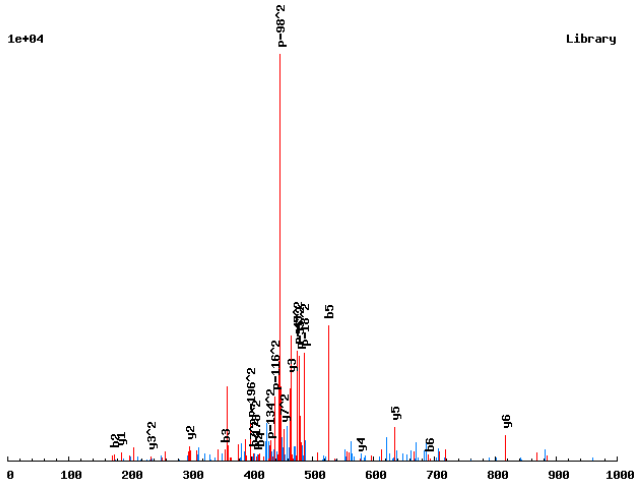


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	12			
335.0040	168.0056	112.3395	2	S[167]	11	1508.3582	**754.6827**	503.4576
422.0360	211.5217	141.3502	3	S	10	1341.3598	671.1836	**447.7915**
585.0994	293.0533	195.7046	4	Y	9	1254.3278	**627.6675**	418.7808
672.1314	336.5693	**224.7153**	5	S	8	1091.2645	**546.1359**	364.4263
759.1634	380.0854	253.7260	6	S	7	1004.2324	502.6199	335.4157
873.2064	437.1068	291.7403	7	N	6	917.2004	459.1038	306.4050
1040.2047	**520.6060**	**347.4064**	8	S[167]	5	803.1575	402.0824	268.3907
1207.2031	**604.1052**	403.0725	9	S[167]	4	**636.1591**	318.5832	212.7246
1354.2385	677.6229	**452.0843**	10	M[147]	3	469.1608	235.0840	157.0584
1521.2368	761.1221	507.7505	11	S[167]	2	322.1254	161.5663	108.0466
			12	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.SST$_{181}$GLS$_{167}$LR$_{166}$.Q/2

0.8469

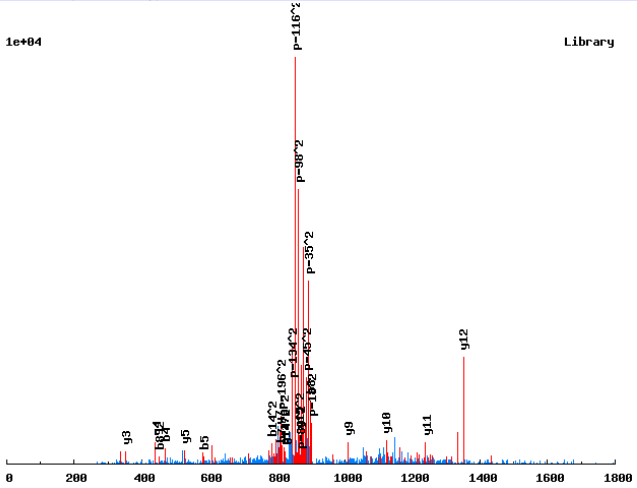


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	8		
175.0713	88.0393	2	S	7	903.3612	**452.1842**
356.0854	178.5463	3	T[181]	6	**816.3292**	408.6682
413.1068	207.0570	4	G	5	**635.3152**	318.1612
526.1909	263.5991	5	L	4	**578.2937**	289.6505
693.1892	347.0983	6	S[167]	3	**465.2096**	**233.1085**
806.2733	**403.6403**	7	L	2	**298.2113**	149.6093
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.SST$_{181}$INNDSDS$_{167}$LSSPTK$_{136}$.S/2

0.8427

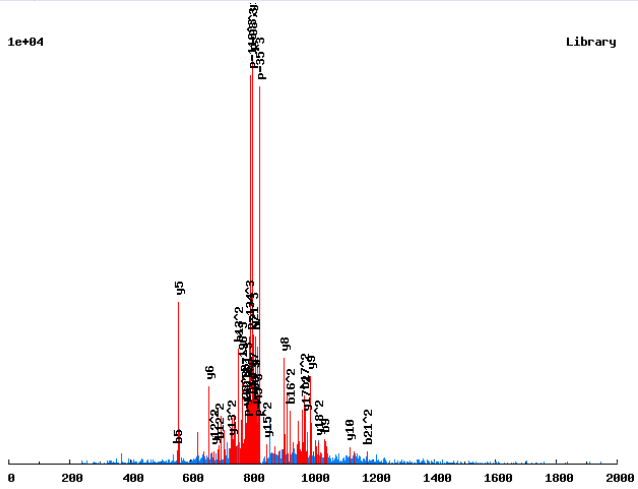


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	16		
175.0713	88.0393	2	S	15	1733.6758	**867.3415**
356.0854	178.5463	3	T[181]	14	1646.6438	**823.8255**
469.1694	235.0883	4	I	13	1465.6297	733.3185
583.2123	292.1098	5	N	12	**1352.5457**	676.7765
697.2553	349.1313	6	N	11	**1238.5028**	619.7550
812.2822	406.6447	7	D	10	**1124.4598**	562.7336
899.3142	**450.1608**	8	S	9	**1009.4329**	505.2201
1014.3412	507.6742	9	D	8	922.4009	461.7041
1181.3395	591.1734	10	S[167]	7	**807.3739**	404.1906
1294.4236	647.7154	11	L	6	640.3756	320.6914
1381.4556	691.2315	12	S	5	**527.2915**	264.1494
1468.4877	734.7475	13	S	4	**440.2595**	220.6334
1565.5404	**783.2739**	14	P	3	**353.2274**	177.1174
1666.5881	833.7977	15	T	2	256.1747	128.5910
		16	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.SST$_{181}$LSS$_{167}$STKDNNESTFVPEGEK.F/3

0.9981

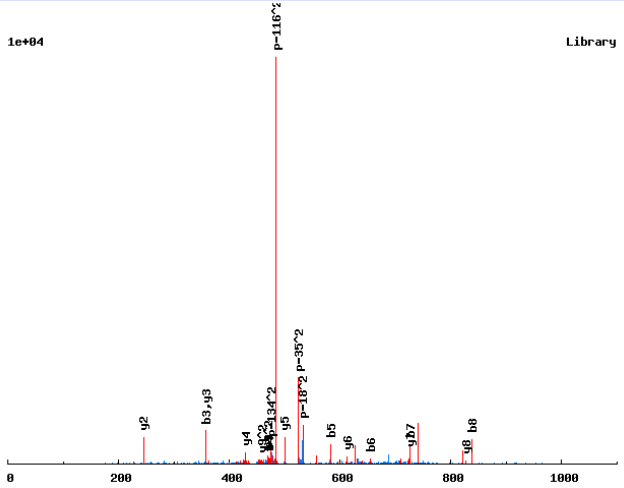


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	22			
175.0713	88.0393	59.0286	2	S	21	2416.9793	1208.9933	**806.3313**
356.0854	178.5463	119.3666	3	T[181]	20	2329.9473	1165.4773	**777.3206**
469.1694	235.0883	157.0613	4	L	19	2148.9332	1074.9703	716.9826
556.2014	278.6044	186.0720	5	S	18	2035.8492	**1018.4282**	679.2879
723.1998	362.1035	241.7381	6	S[167]	17	1948.8172	**974.9122**	650.2772
810.2318	405.6196	270.7488	7	S	16	1781.8188	891.4130	594.6111
911.2795	456.1434	304.4314	8	T	15	1694.7868	**847.8970**	565.6004
1039.3745	520.1909	347.1297	9	K	14	1593.7391	**797.3732**	531.9179
1154.4014	577.7043	385.4720	10	D	13	1465.6441	**733.3257**	489.2196
1268.4443	634.7258	423.4863	11	N	12	1350.6172	**675.8122**	450.8772
1382.4873	**691.7473**	461.5006	12	N	11	1236.5742	618.7908	412.8629
1511.5299	**756.2686**	504.5148	13	E	10	**1122.5313**	561.7693	374.8486
1598.5619	**799.7846**	533.5255	14	S	9	**993.4887**	497.2480	331.8344
1699.6096	850.3084	567.2080	15	T	8	**906.4567**	453.7320	302.8238
1846.6780	**923.8426**	616.2308	16	F	7	**805.4090**	403.2082	269.1412
1945.7464	**973.3768**	649.2537	17	V	6	**658.3406**	329.6739	220.1184
2042.7992	1021.9032	681.6046	18	P	5	**559.2722**	280.1397	187.0956
2171.8417	1086.4245	724.6188	19	E	4	462.2194	231.6134	154.7447
2228.8632	1114.9352	743.6259	20	G	3	333.1768	167.0921	111.7305
2357.9058	**1179.4565**	**786.6401**	21	E	2	276.1554	138.5813	92.7233
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$STNLAALPK.R/2

0.9987

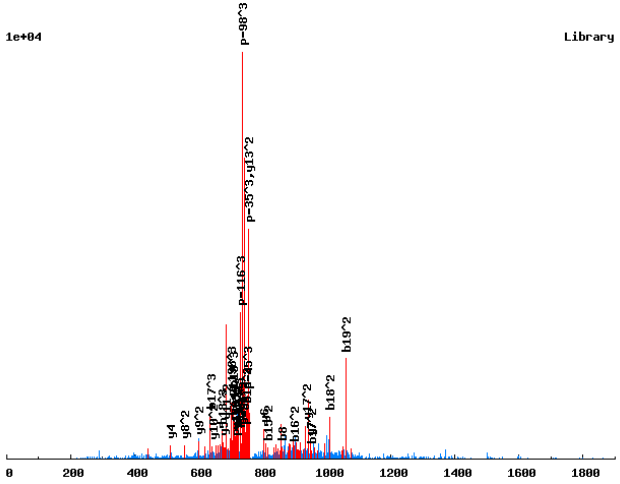


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
255.0377	128.0225	2	S	9	914.5305	**457.7689**
356.0854	178.5463	3	T	8	**827.4985**	414.2529
470.1283	235.5678	4	N	7	**726.4508**	363.7291
583.2123	292.1098	5	L	6	**612.4079**	306.7076
654.2495	327.6284	6	A	5	**499.3238**	250.1656
725.2866	363.1469	7	A	4	**428.2867**	214.6470
838.3706	419.6890	8	L	3	**357.2496**	179.1284
935.4234	**468.2153**	9	P	2	**244.1656**	122.5864
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$S$_{167}$TPLSGAASSSC$_{160}$FQYNNVR$_{166}$.E/3

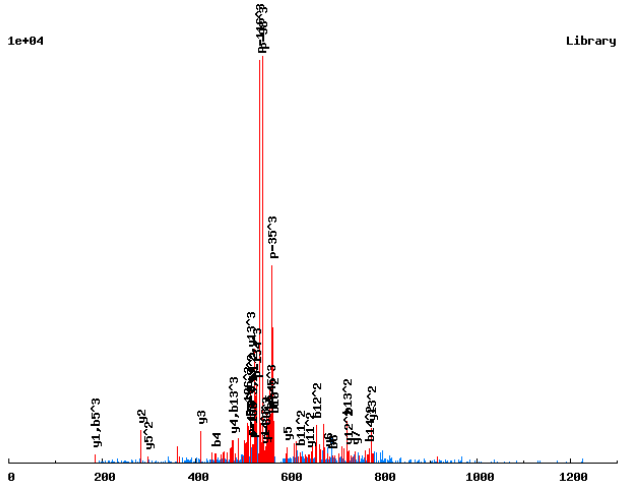
0.9287



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
168.0056	84.5065	56.6734	1	S[167]	20			
335.0040	168.0056	112.3395	2	S[167]	19	2135.9091	1068.4582	**712.6412**
436.0517	218.5295	146.0221	3	T	18	1968.9108	984.9590	656.9751
533.1044	267.0559	178.3730	4	P	17	1867.8631	**934.4352**	623.2925
646.1885	323.5979	216.0677	5	L	16	1770.8103	885.9088	590.9416
733.2205	367.1139	245.0784	6	S	15	1657.7263	829.3668	553.2469
790.2420	395.6246	264.0855	7	G	14	1570.6942	785.8508	524.2363
861.2791	431.1432	287.7646	8	A	13	1513.6728	**757.3400**	505.2291
932.3162	466.6617	311.4436	9	A	12	1442.6357	**721.8215**	481.5501
1019.3482	510.1778	340.4543	10	S	11	1371.5986	**686.3029**	457.8710
1106.3803	553.6938	369.4649	11	S	10	1284.5665	**642.7869**	428.8604
1193.4123	597.2098	398.4756	12	S	9	1197.5345	**599.2709**	399.8497
1353.4430	677.2251	451.8192	13	C[160]	8	1110.5025	**555.7549**	370.8390
1500.5114	**750.7593**	500.8420	14	F	7	**950.4718**	475.7395	317.4955
1628.5699	**814.7886**	543.5282	15	Q	6	**803.4034**	402.2053	268.4727
1791.6333	**896.3203**	597.8826	16	Y	5	**675.3448**	338.1760	225.7865
1905.6762	**953.3417**	**635.8969**	17	N	4	**512.2815**	256.6444	171.4320
2019.7191	**1010.3632**	**673.9112**	18	N	3	398.2386	199.6229	133.4177
2118.7875	**1059.8974**	**706.9340**	19	V	2	284.1956	142.6015	95.4034
			20	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SSTS$_{167}$LK$_{136}$T$_{181}$LGSNAQPR$_{166}$.T/3

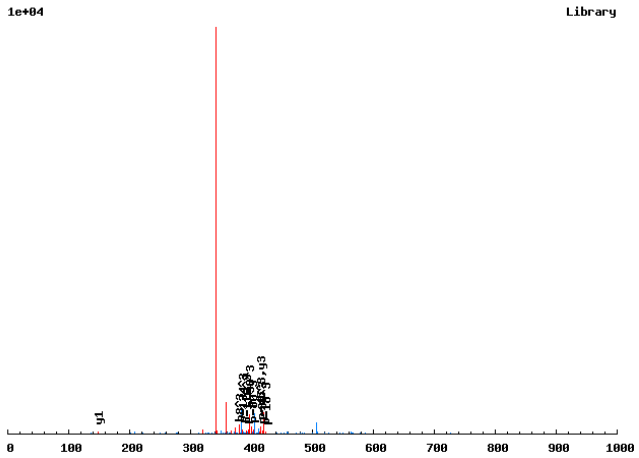


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	15			
175.0713	88.0393	59.0286	2	S	14	1637.7414	819.3744	**546.5853**
276.1190	138.5631	92.7112	3	T	13	1550.7094	**775.8584**	**517.5747**
443.1174	222.0623	148.3773	4	S[167]	12	1449.6617	**725.3345**	483.8921
556.2014	278.6044	**186.0720**	5	L	11	1282.6634	**641.8353**	428.2260
692.3106	346.6589	231.4417	6	K[136]	10	1169.5793	585.2933	390.5313
873.3246	437.1659	291.7797	7	T[181]	9	1033.4702	**517.2387**	345.1616
986.4087	493.7080	329.4744	8	L	8	852.4561	426.7317	284.8236
1043.4301	**522.2187**	348.4816	9	G	7	**739.3721**	370.1897	247.1289
1130.4622	**565.7347**	377.4922	10	S	6	**682.3506**	341.6790	228.1217
1244.5051	**622.7562**	415.5066	11	N	5	**595.3186**	**298.1629**	199.1111
1315.5422	**658.2747**	439.1856	12	A	4	**481.2757**	241.1415	161.0967
1443.6008	**722.3040**	**481.8718**	13	Q	3	**410.2386**	205.6229	137.4177
1540.6535	**770.8304**	514.2227	14	P	2	**282.1800**	141.5936	94.7315
			15	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.SST$_{181}$T$_{181}$S$_{167}$S$_{167}$T$_{181}$SK.K/3

0.8394

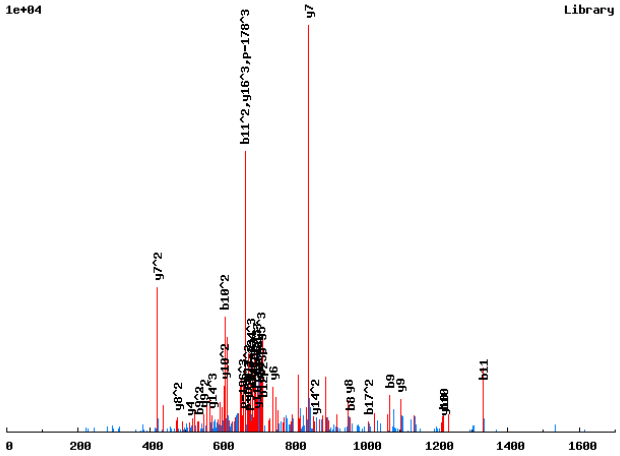


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	9			
175.0713	88.0393	59.0286	2	S	8	1198.2156	599.6114	400.0767
356.0854	178.5463	119.3666	3	T[181]	7	1111.1836	556.0954	371.0660
537.0994	269.0533	179.7046	4	T[181]	6	930.1696	465.5884	310.7280
704.0977	352.5525	235.3708	5	S[167]	5	749.1556	375.0814	250.3900
871.0961	436.0517	291.0369	6	S[167]	4	582.1572	291.5822	194.7239
1052.1101	526.5587	351.3749	7	T[181]	3	**415.1588**	208.0831	139.0578
1139.1421	570.0747	**380.3856**	8	S	2	234.1448	117.5761	78.7198
			9	K	1	**147.1128**	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SST$_{181}$VK$_{136}$DAT$_{181}$IFIPAYENIK$_{136}$.N/3

0.8842

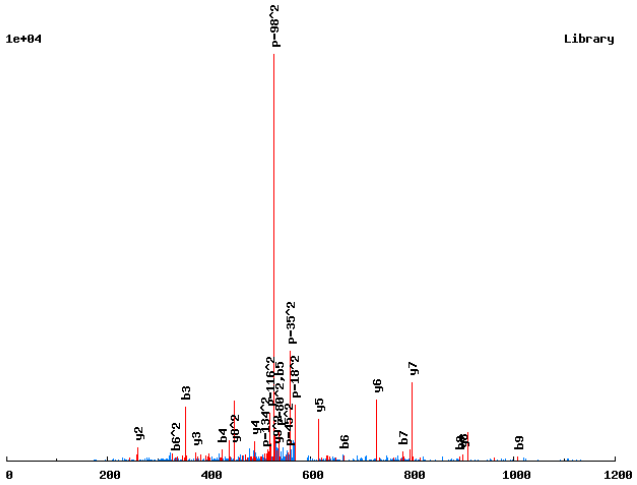


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	18			
175.0713	88.0393	59.0286	2	S	17	2085.9880	1043.4976	**696.0008**
356.0854	178.5463	119.3666	3	T[181]	16	1998.9559	999.9816	**666.9902**
455.1538	228.0805	152.3894	4	V	15	1817.9419	909.4746	606.6522
591.2629	296.1351	197.7592	5	K[136]	14	1718.8735	**859.9404**	**573.6294**
706.2899	353.6486	236.1015	6	D	13	1582.7644	791.8858	528.2596
777.3270	389.1671	259.7805	7	A	12	1467.7374	734.3724	489.9173
958.3410	479.6741	320.1185	8	T[181]	11	1396.7003	**698.8538**	466.2383
1071.4250	**536.2162**	357.8132	9	I	10	**1215.6863**	**608.3468**	405.9003
1218.4935	**609.7504**	406.8360	10	F	9	**1102.6022**	**551.8048**	368.2056
1331.5775	**666.2924**	444.5307	11	I	8	**955.5338**	**478.2706**	319.1828
1428.6303	**714.8188**	476.8816	12	P	7	**842.4498**	**421.7285**	281.4881
1499.6674	750.3373	500.5606	13	A	6	**745.3970**	373.2021	249.1372
1662.7307	831.8690	554.9151	14	Y	5	**674.3599**	337.6836	225.4582
1791.7733	896.3903	597.9293	15	E	4	**511.2966**	256.1519	171.1037
1905.8162	953.4118	635.9436	16	N	3	382.2540	191.6306	128.0895
2018.9003	**1009.9538**	**673.6383**	17	I	2	268.2111	134.6092	90.0752
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.SS$_{167}$VALQDLIK.H/2

0.9932

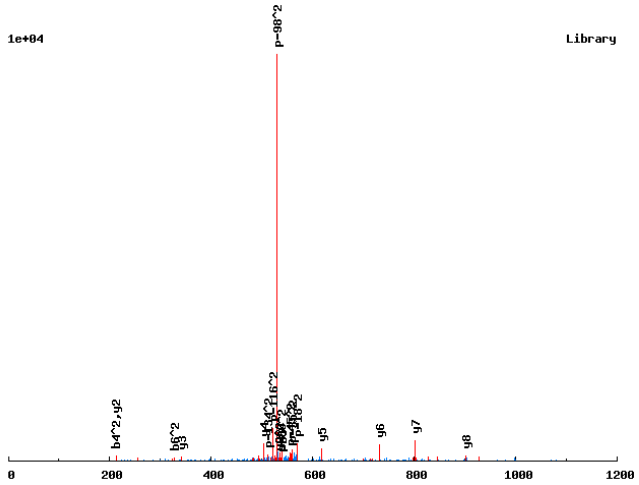


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
255.0377	128.0225	2	S[167]	9	1066.5544	**533.7808**
354.1061	177.5567	3	V	8	**899.5560**	**450.2817**
425.1432	213.0752	4	A	7	**800.4876**	400.7474
538.2273	269.6173	5	L	6	**729.4505**	365.2289
666.2858	**333.6466**	6	Q	5	**616.3664**	308.6869
781.3128	391.1600	7	D	4	**488.3079**	244.6576
894.3968	447.7021	8	L	3	**373.2809**	187.1441
1007.4809	504.2441	9	I	2	**260.1969**	130.6021
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.SS$_{167}$VANIYEGK$_{136}$.T/2

0.9999

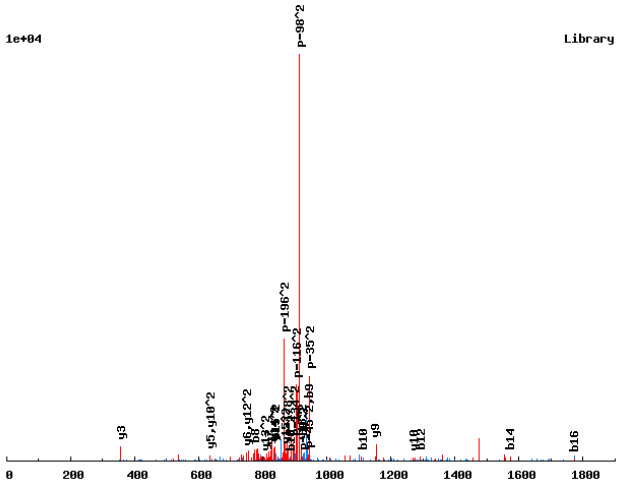


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
255.0377	128.0225	2	S[167]	9	1068.4852	**534.7463**
354.1061	177.5567	3	V	8	**901.4869**	451.2471
425.1432	**213.0752**	4	A	7	**802.4185**	401.7129
539.1861	270.0967	5	N	6	**731.3814**	366.1943
652.2702	**326.6387**	6	I	5	**617.3384**	309.1729
815.3335	408.1704	7	Y	4	**504.2544**	252.6308
944.3761	472.6917	8	E	3	**341.1910**	171.0992
1001.3976	501.2024	9	G	2	**212.1485**	106.5779
		10	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.STAGNNNDS$_{167}$R$_{166}$ANS$_{167}$ITVK$_{136}$.T/2

0.9165

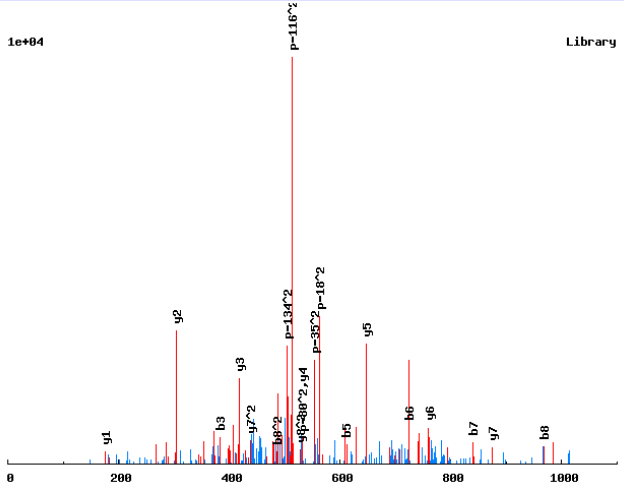


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	17		
189.0870	95.0471	2	T	16	1839.7753	**920.3913**
260.1241	130.5657	3	A	15	1738.7276	**869.8674**
317.1456	159.0764	4	G	14	1667.6905	**834.3489**
431.1885	216.0979	5	N	13	1610.6690	**805.8381**
545.2314	273.1194	6	N	12	1496.6261	**748.8167**
659.2744	330.1408	7	N	11	1382.5832	691.7952
774.3013	387.6543	8	D	10	**1268.5402**	**634.7738**
941.2997	471.1535	9	S[167]	9	**1153.5133**	577.2603
1107.4090	554.2082	10	R[166]	8	986.5149	493.7611
1178.4461	589.7267	11	A	7	**820.4056**	410.7064
1292.4891	646.7482	12	N	6	**749.3684**	375.1879
1459.4874	730.2474	13	S[167]	5	**635.3255**	318.1664
1572.5715	786.7894	14	I	4	468.3271	234.6672
1673.6192	**837.3132**	15	T	3	**355.2431**	178.1252
1772.6876	**886.8474**	16	V	2	254.1954	127.6013
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.ST$_{181}$NLDLDQR.S/2

0.9889

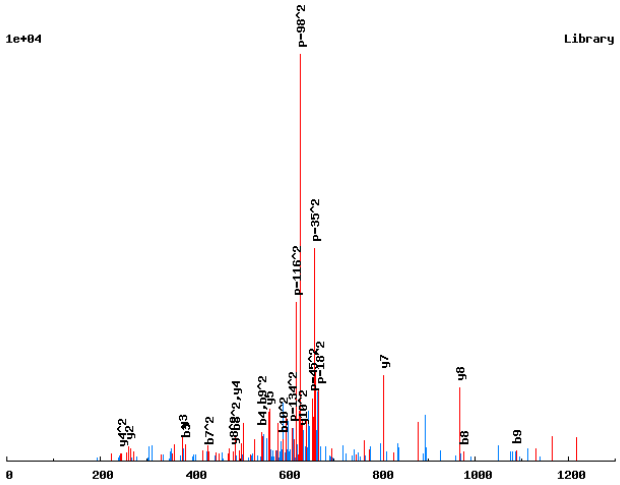


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
269.0533	135.0303	2	T[181]	8	1054.4565	**527.7319**
383.0963	192.0518	3	N	7	**873.4425**	**437.2249**
496.1803	248.5938	4	L	6	**759.3995**	380.2034
611.2073	306.1073	5	D	5	**646.3155**	323.6614
724.2913	362.6493	6	L	4	**531.2885**	266.1479
839.3183	420.1628	7	D	3	**418.2045**	209.6059
967.3768	**484.1921**	8	Q	2	**303.1775**	152.0924
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.ST$_{181}$NYMDALNSR.E/2

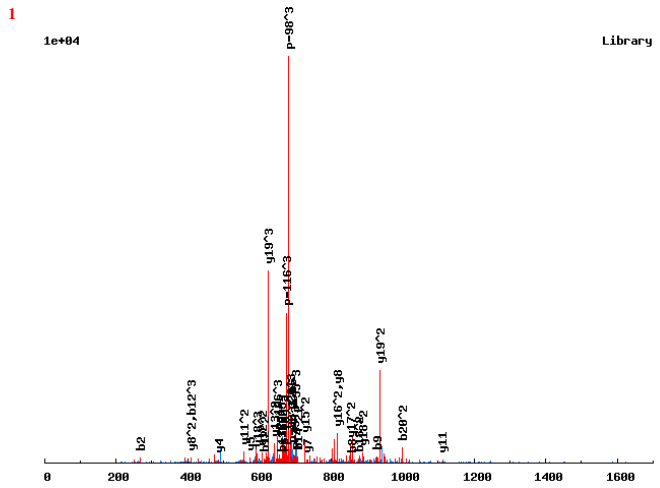
0.9973



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
269.0533	135.0303	2	T[181]	10	1264.5028	**632.7550**
383.0963	192.0518	3	N	9	1083.4888	542.2480
546.1596	273.5834	4	Y	8	**969.4458**	**485.2266**
677.2001	339.1037	5	M	7	**806.3825**	403.6949
792.2270	396.6171	6	D	6	675.3420	338.1747
863.2641	**432.1357**	7	A	5	**560.3151**	280.6612
976.3482	**488.6777**	8	L	4	**489.2780**	**245.1426**
1090.3911	**545.6992**	9	N	3	**376.1939**	188.6006
1177.4231	**589.2152**	10	S	2	**262.1510**	131.5791
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.ST$_{181}$PAAT$_{181}$PAATPTPSSASPNKK.D/3

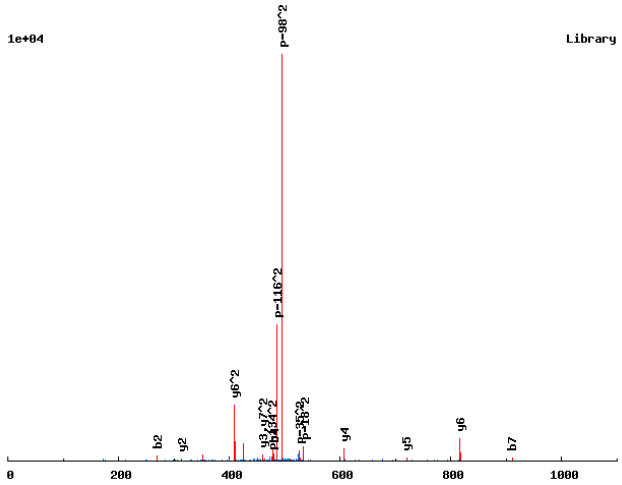


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	21			
269.0533	135.0303	90.3560	2	T[181]	20	2054.9195	1027.9634	**685.6447**
366.1061	183.5567	122.7069	3	P	19	1873.9055	**937.4564**	**625.3067**
437.1432	219.0752	146.3859	4	A	18	1776.8527	**888.9300**	**592.9558**
508.1803	254.5938	170.0650	5	A	17	1705.8156	**853.4115**	569.2767
689.1943	345.1008	230.4030	6	T[181]	16	1634.7785	**817.8929**	545.5977
786.2471	393.6272	262.7539	7	P	15	1453.7645	**727.3859**	485.2597
857.2842	429.1457	286.4329	8	A	14	1356.7117	678.8595	452.9088
928.3213	464.6643	310.1120	9	A	13	1285.6746	**643.3410**	429.2297
1029.3690	515.1881	343.7945	10	T	12	1214.6375	**607.8224**	405.5507
1126.4217	563.7145	376.1454	11	P	11	**1113.5898**	**557.2986**	371.8681
1227.4694	**614.2383**	**409.8280**	12	T	10	1016.5371	508.7722	339.5172
1324.5222	**662.7647**	442.1789	13	P	9	915.4894	458.2483	305.8347
1411.5542	**706.2807**	471.1896	14	S	8	**818.4367**	**409.7220**	273.4837
1498.5862	749.7968	500.2003	15	S	7	**731.4046**	366.2060	244.4731
1569.6233	785.3153	523.8793	16	A	6	644.3726	322.6899	215.4624
1656.6554	828.8313	552.8900	17	S	5	**573.3355**	287.1714	191.7833
1753.7081	**877.3577**	585.2409	18	P	4	**486.3034**	243.6554	162.7727
1867.7511	934.3792	623.2552	19	N	3	389.2507	195.1290	130.4217
1995.8460	**998.4267**	**665.9535**	20	K	2	275.2078	138.1075	92.4074
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$TPIFFHR.E/2

0.9588

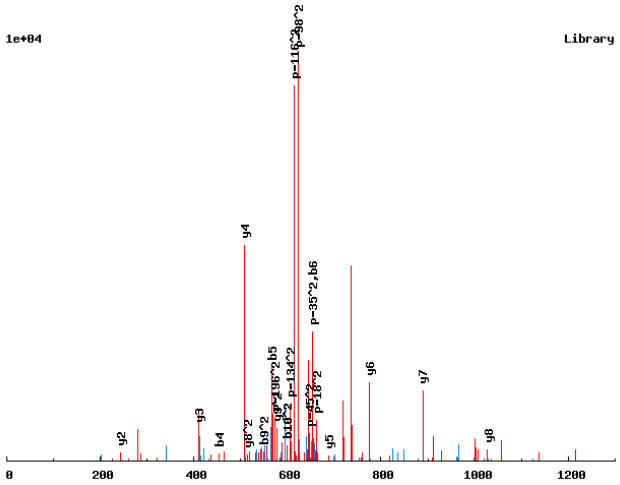


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	8		
269.0533	135.0303	2	T	7	917.4992	**459.2532**
366.1061	183.5567	3	P	6	**816.4515**	**408.7294**
479.1901	240.0987	4	I	5	**719.3987**	360.2030
626.2586	313.6329	5	F	4	**606.3147**	303.6610
773.3270	387.1671	6	F	3	**459.2463**	230.1268
910.3859	455.6966	7	H	2	**312.1779**	156.5926
		8	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.STQHLST$_{181}$PS$_{167}$PK.N/2

0.9146

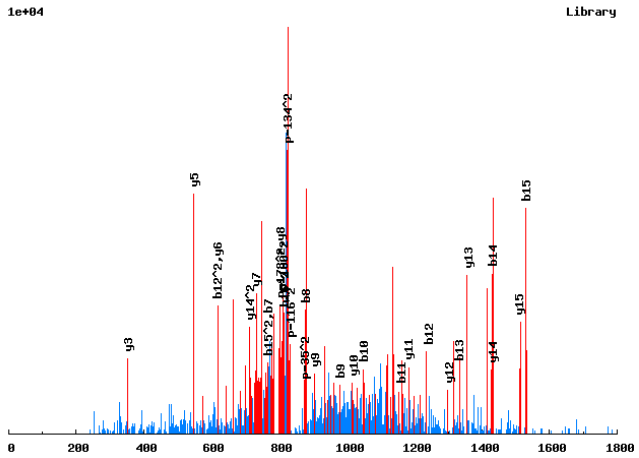


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
189.0870	95.0471	2	T	10	1255.5120	628.2596
317.1456	159.0764	3	Q	9	1154.4643	**577.7358**
454.2045	227.6059	4	H	8	**1026.4057**	**513.7065**
567.2885	284.1479	5	L	7	**889.3468**	445.1770
654.3206	327.6639	6	S	6	**776.2627**	388.6350
835.3346	418.1709	7	T[181]	5	**689.2307**	345.1190
932.3873	466.6973	8	P	4	**508.2167**	254.6120
1099.3857	**550.1965**	9	S[167]	3	**411.1639**	206.0856
1196.4385	**598.7229**	10	P	2	**244.1656**	122.5864
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.ST$_{181}$SAGNS$_{167}$ITANAPVVPK$_{136}$.V/2

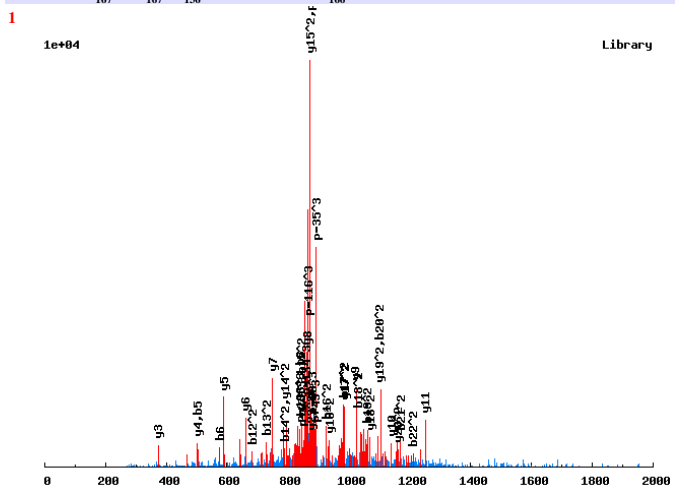
0.9984



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	17		
269.0533	135.0303	2	T[181]	16	1694.7641	847.8857
356.0854	178.5463	3	S	15	**1513.7501**	757.3787
427.1225	214.0649	4	A	14	**1426.7181**	**713.8627**
484.1439	242.5756	5	G	13	**1355.6810**	678.3441
598.1869	299.5971	6	N	12	**1298.6595**	649.8334
765.1852	383.0962	7	S[167]	11	**1184.6166**	592.8119
878.2693	439.6383	8	I	10	**1017.6182**	509.3128
979.3170	490.1621	9	T	9	**904.5342**	452.7707
1050.3541	525.6807	10	A	8	**803.4865**	402.2469
1164.3970	582.7021	11	N	7	**732.4494**	366.7283
1235.4341	**618.2207**	12	A	6	**618.4064**	309.7069
1332.4869	666.7471	13	P	5	**547.3693**	274.1883
1431.5553	716.2813	14	V	4	450.3166	225.6619
1530.6237	**765.8155**	15	V	3	**351.2482**	176.1277
1627.6764	**814.3419**	16	P	2	252.1798	126.5935
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.STSNLAS$_{167}$PMS$_{167}$SK$_{136}$VDLYNSASESTR$_{166}$.S/3

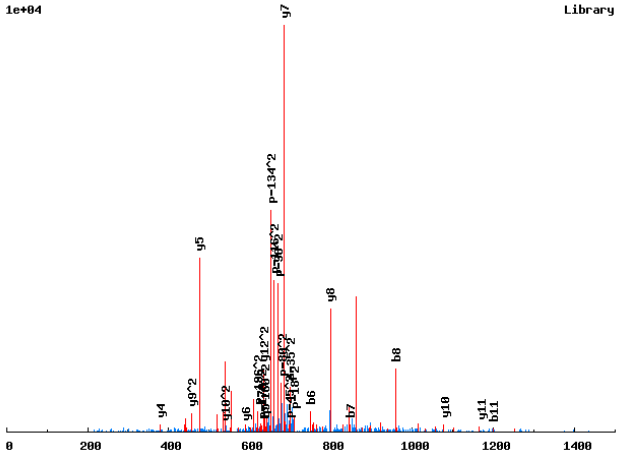


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
189.0870	95.0471	63.7005	2	T	23	2623.1113	1312.0593	**875.0420**
276.1190	138.5631	92.7112	3	S	22	2522.0636	1261.5355	841.3594
390.1619	195.5846	130.7255	4	N	21	2435.0316	1218.0194	812.3487
503.2460	252.1266	168.4202	5	L	20	2320.9887	**1160.9980**	774.3344
574.2831	287.6452	192.0992	6	A	19	2207.9046	**1104.4560**	736.6397
741.2815	371.1444	247.7653	7	S[167]	18	2136.8675	**1068.9374**	712.9607
838.3342	419.6708	280.1163	8	P	17	1969.8692	**985.4382**	657.2946
969.3747	485.1910	323.7964	9	M	16	1872.8164	**936.9118**	624.9437
1136.3731	568.6902	379.4626	10	S[167]	15	1741.7759	**871.3916**	581.2635
1223.4051	612.2062	408.4732	11	S	14	1574.7775	**787.8924**	525.5974
1359.5143	**680.2608**	453.8429	12	K[136]	13	1487.7455	744.3764	496.5867
1458.5827	**729.7950**	486.8658	13	V	12	1351.6364	676.3218	451.2170
1573.6096	**787.3085**	525.2081	14	D	11	**1252.5679**	626.7876	418.1942
1686.6937	**843.8505**	562.9028	15	L	10	**1137.5410**	569.2741	379.8519
1849.7570	**925.3822**	617.2572	16	Y	9	**1024.4569**	512.7321	342.1572
1963.8000	**982.4036**	655.2715	17	N	8	**861.3936**	431.2004	287.8027
2050.8320	**1025.9196**	684.2822	18	S	7	**747.3507**	374.1790	249.7884
2121.8691	**1061.4382**	707.9612	19	A	6	**660.3187**	330.6630	220.7777
2208.9011	**1104.9542**	736.9719	20	S	5	**589.2815**	295.1444	197.0987
2337.9437	**1169.4755**	779.9861	21	E	4	**502.2495**	251.6284	168.0880
2424.9757	**1212.9915**	808.9968	22	S	3	**373.2069**	187.1071	125.0738
2526.0234	1263.5154	**842.6793**	23	T	2	286.1749	143.5911	96.0632
			24	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$TSS$_{167}$LLPLPGSSK.S/2

1

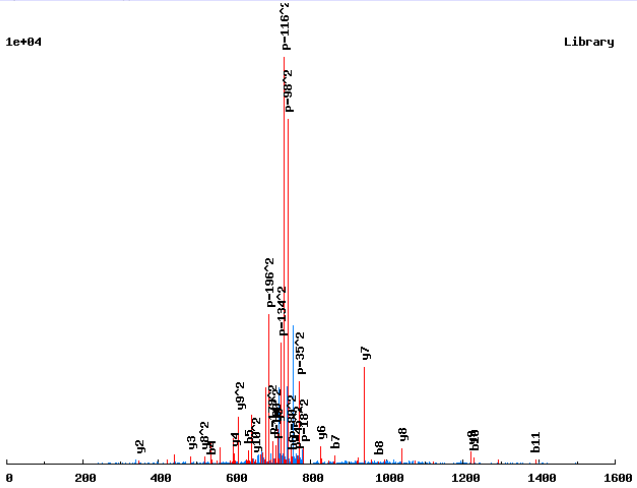


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
269.0533	135.0303	2	T	12	1266.6341	**633.8207**
356.0854	178.5463	3	S	11	**1165.5864**	583.2968
523.0837	262.0455	4	S[167]	10	**1078.5544**	**539.7808**
636.1678	318.5875	5	L	9	911.5560	**456.2817**
749.2518	375.1296	6	L	8	**798.4720**	399.7396
846.3046	423.6559	7	P	7	**685.3879**	343.1976
959.3887	480.1980	8	L	6	**588.3351**	294.6712
1056.4414	528.7243	9	P	5	**475.2511**	238.1292
1113.4629	557.2351	10	G	4	**378.1983**	189.6028
1200.4949	600.7511	11	S	3	321.1769	161.0921
1287.5269	644.2671	12	S	2	234.1448	117.5761
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$TST$_{181}$VNLNNHYR$_{166}$.A/2

0.9937

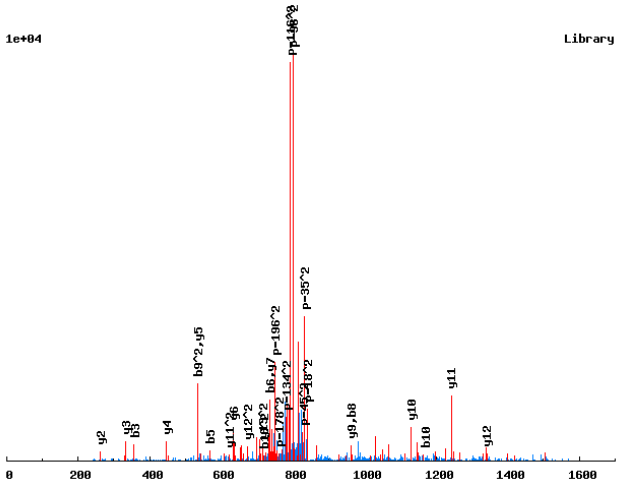


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
269.0533	135.0303	2	T	11	1408.6244	704.8159
356.0854	178.5463	3	S	10	1307.5768	**654.2920**
537.0994	269.0533	4	T[181]	9	**1220.5447**	**610.7760**
636.1678	318.5875	5	V	8	**1039.5307**	**520.2690**
750.2107	375.6090	6	N	7	**940.4623**	470.7348
863.2948	432.1510	7	L	6	**826.4194**	413.7133
977.3377	489.1725	8	N	5	**713.3353**	357.1713
1091.3806	546.1940	9	N	4	**599.2924**	300.1498
1228.4395	614.7234	10	H	3	**485.2495**	243.1284
1391.5029	696.2551	11	Y	2	**348.1905**	174.5989
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$TSVNS$_{167}$LNTTSLASR.R/2

0.9999

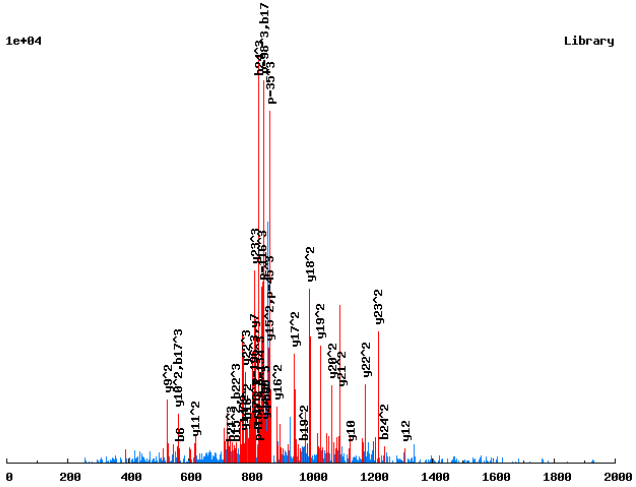


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	15		
269.0533	135.0303	2	T	14	1530.7159	765.8616
356.0854	178.5463	3	S	13	1429.6683	**715.3378**
455.1538	228.0805	4	V	12	**1342.6362**	**671.8218**
569.1967	285.1020	5	N	11	**1243.5678**	**622.2876**
736.1951	368.6012	6	S[167]	10	**1129.5249**	565.2661
849.2791	425.1432	7	L	9	**962.5265**	481.7669
963.3220	482.1647	8	N	8	849.4425	425.2249
1064.3697	**532.6885**	9	T	7	**735.3995**	368.2034
1165.4174	583.2123	10	T	6	**634.3519**	317.6796
1252.4494	626.7284	11	S	5	**533.3042**	267.1557
1365.5335	683.2704	12	L	4	**446.2722**	223.6397
1436.5706	**718.7889**	13	A	3	**333.1881**	167.0977
1523.6026	762.3050	14	S	2	**262.1510**	131.5791
		15	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.STSYGAATIGS$_{167}$DEALANEKT$_{181}$AGINK.M/3

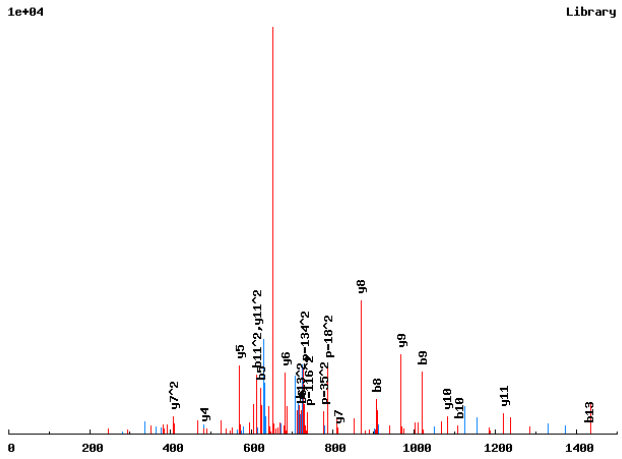
0.9814



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	25			
189.0870	95.0471	63.7005	2	T	24	2542.1109	1271.5591	**848.0418**
276.1190	138.5631	92.7112	3	S	23	2441.0633	**1221.0353**	**814.3593**
439.1823	220.0948	147.0656	4	Y	22	2354.0312	**1177.5193**	**785.3486**
496.2038	248.6055	166.0728	5	G	21	2190.9679	**1095.9876**	730.9942
567.2409	284.1241	189.7518	6	A	20	2133.9464	**1067.4769**	711.9870
638.2780	319.6427	213.4309	7	A	19	2062.9093	**1031.9583**	688.3080
739.3257	370.1665	247.1134	8	T	18	1991.8722	**996.4398**	664.6289
852.4098	426.7085	284.8081	9	I	17	1890.8245	**945.9159**	630.9464
909.4312	455.2193	303.8153	10	G	16	1777.7405	**889.3739**	593.2517
1076.4296	538.7184	359.4814	11	S[167]	15	1720.7190	**860.8632**	574.2445
1191.4565	596.2319	397.8237	12	D	14	1553.7207	**777.3640**	518.5784
1320.4991	660.7532	440.8379	13	E	13	1438.6937	719.8505	480.2361
1391.5362	696.2718	464.5169	14	A	12	**1309.6511**	655.3292	437.2219
1504.6203	**752.8138**	502.2116	15	L	11	1238.6140	**619.8107**	413.5429
1575.6574	**788.3323**	525.8907	16	A	10	**1125.5300**	**563.2686**	375.8482
1689.7003	**845.3538**	**563.9050**	17	N	9	1054.4929	**527.7501**	352.1691
1818.7429	909.8751	606.9192	18	E	8	940.4499	470.7286	314.1548
1946.8379	**973.9226**	649.6175	19	K	7	**811.4073**	406.2073	271.1406
2127.8519	1064.4296	709.9555	20	T[181]	6	683.3124	342.1598	228.4423
2198.8890	1099.9481	**733.6345**	21	A	5	502.2984	251.6528	168.1043
2255.9105	1128.4589	**752.6417**	22	G	4	431.2612	216.1343	144.4253
2368.9945	1185.0009	790.3364	23	I	3	374.2398	187.6235	125.4181
2483.0375	**1242.0224**	**828.3507**	24	N	2	261.1557	131.0815	87.7234
			25	K	1	147.1128	74.0600	49.7091

R.STT$_{181}$HDVGEISNNVK$_{136}$.I/2

0.9089

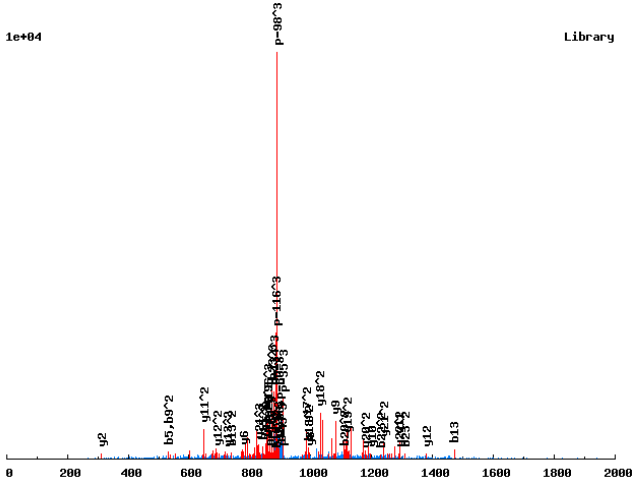


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	14		
189.0870	95.0471	2	T	13	1501.6774	751.3423
370.1010	185.5541	3	T[181]	12	1400.6297	700.8185
507.1599	254.0836	4	H	11	**1219.6157**	**610.3115**
622.1869	311.5971	5	D	10	**1082.5568**	541.7820
721.2553	361.1313	6	V	9	**967.5298**	484.2685
778.2767	389.6420	7	G	8	**868.4614**	434.7343
907.3193	454.1633	8	E	7	**811.4399**	**406.2236**
1020.4034	510.7053	9	I	6	**682.3974**	341.7023
1107.4354	554.2213	10	S	5	**569.3133**	285.1603
1221.4783	**611.2428**	11	N	4	**482.2813**	241.6443
1335.5213	668.2643	12	N	3	368.2383	184.6228
1434.5897	**717.7985**	13	V	2	254.1954	127.6013
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.STTNQS$_{167}$PVS$_{167}$DHASPISTDQDLIYK.L/3

0.9149

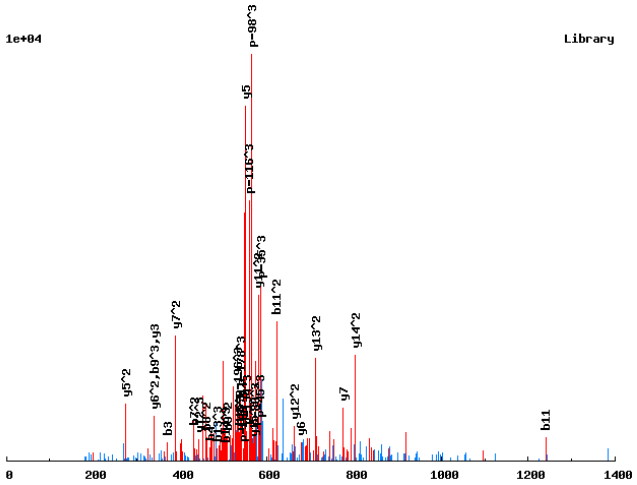


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	24			
189.0870	95.0471	63.7005	2	T	23	2677.1430	1339.0751	**893.0525**
290.1347	145.5710	97.3831	3	T	22	2576.0953	**1288.5513**	**859.3700**
404.1776	202.5924	135.3974	4	N	21	2475.0476	**1238.0275**	**825.6874**
532.2362	266.6217	178.0836	5	Q	20	2361.0047	**1181.0060**	787.6731
699.2345	350.1209	233.7497	6	S[167]	19	2232.9461	**1116.9767**	744.9869
796.2873	398.6473	266.1006	7	P	18	2065.9478	**1033.4775**	689.3208
895.3557	448.1815	299.1234	8	V	17	1968.8950	**984.9511**	656.9699
1062.3541	**531.6807**	354.7895	9	S[167]	16	1869.8266	935.4169	623.9471
1177.3810	589.1941	393.1319	10	D	15	1702.8282	**851.9178**	568.2809
1314.4399	657.7236	438.8182	11	H	14	1587.8013	794.4043	529.9386
1385.4770	693.2422	462.4972	12	A	13	1450.7424	**725.8748**	484.2523
1472.5091	**736.7582**	491.5079	13	S	12	**1379.7053**	**690.3563**	460.5733
1569.5618	785.2846	523.8588	14	P	11	**1292.6732**	**646.8403**	431.5626
1682.6459	**841.8266**	561.5535	15	I	10	**1195.6205**	598.3139	399.2117
1769.6779	**885.3426**	590.5642	16	S	9	**1082.5364**	541.7718	361.5170
1870.7256	935.8664	624.2467	17	T	8	**995.5044**	498.2558	332.5063
1985.7525	**993.3799**	662.5890	18	D	7	**894.4567**	447.7320	298.8238
2113.8111	1057.4092	705.2752	19	Q	6	**779.4298**	390.2185	260.4814
2228.8381	**1114.9227**	743.6175	20	D	5	651.3712	326.1892	217.7953
2341.9221	1171.4647	781.3122	21	L	4	536.3443	268.6758	179.4529
2455.0062	**1228.0067**	819.0069	22	I	3	423.2602	212.1337	141.7582
2618.0695	**1309.5384**	**873.3614**	23	Y	2	**310.1761**	155.5917	104.0636
			24	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.STT$_{181}$PS$_{167}$HSGTPQPLGPR$_{166}$.H/3

0.9843

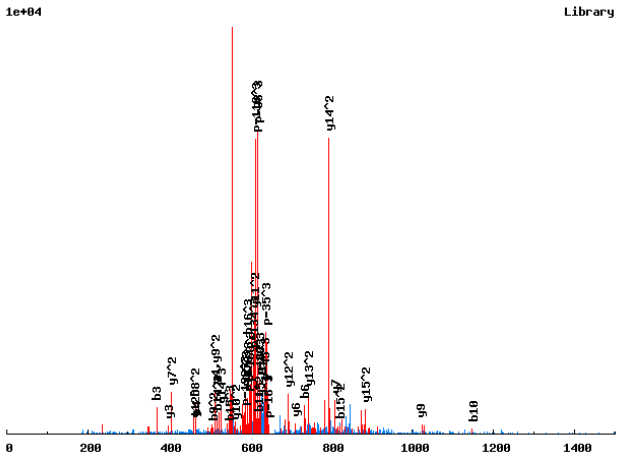


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	16			
189.0870	95.0471	63.7005	2	T	15	1702.7225	851.8649	**568.2457**
370.1010	185.5541	124.0385	3	T[181]	14	1601.6748	**801.3410**	**534.5631**
467.1538	234.0805	156.3894	4	P	13	1420.6608	**710.8340**	474.2251
634.1521	317.5797	212.0556	5	S[167]	12	1323.6080	**662.3077**	**441.8742**
771.2110	386.1092	257.7419	6	H	11	1156.6097	**578.8085**	386.2081
858.2431	**429.6252**	286.7525	7	S	10	1019.5508	510.2790	340.5218
915.2645	**458.1359**	305.7597	8	G	9	932.5187	466.7630	311.5111
1016.3122	**508.6597**	**339.4423**	9	T	8	875.4973	438.2523	292.5039
1113.3650	557.1861	371.7932	10	P	7	**774.4496**	**387.7284**	258.8214
1241.4235	**621.2154**	414.4794	11	Q	6	**677.3968**	**339.2021**	226.4705
1338.4763	669.7418	446.8303	12	P	5	**549.3383**	**275.1728**	183.7843
1451.5604	726.2838	**484.5250**	13	L	4	452.2855	226.6464	151.4334
1508.5818	754.7946	**503.5321**	14	G	3	**339.2014**	170.1044	113.7387
1605.6346	803.3209	**535.8830**	15	P	2	282.1800	141.5936	94.7315
			16	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.STT$_{181}$PTS$_{167}$PVSQPSIISHR.R/3

0.9999

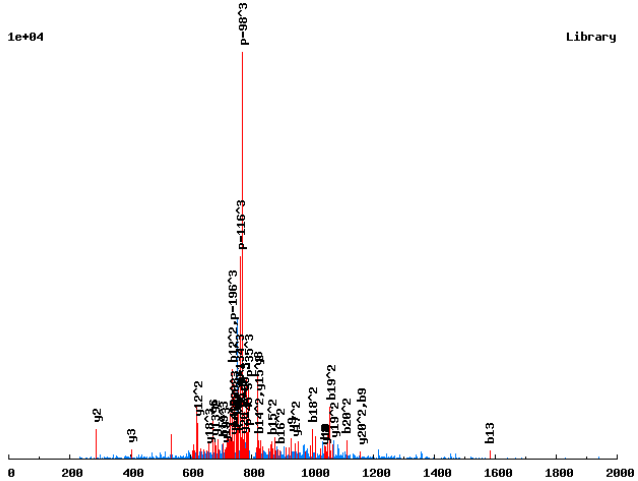


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	17			
189.0870	95.0471	63.7005	2	T	16	1867.8351	934.4212	**623.2832**
370.1010	185.5541	124.0385	3	T[181]	15	1766.7874	**883.8973**	**589.6007**
467.1538	234.0805	156.3894	4	P	14	1585.7734	**793.3903**	**529.2626**
568.2014	284.6044	190.0720	5	T	13	1488.7206	**744.8640**	496.9117
735.1998	368.1035	245.7381	6	S[167]	12	1387.6729	**694.3401**	**463.2292**
832.2526	416.6299	278.0890	7	P	11	1220.6746	**610.8409**	407.5630
931.3210	**466.1641**	311.1118	8	V	10	1123.6218	**562.3145**	375.2121
1018.3530	**509.6801**	340.1225	9	S	9	**1024.5534**	**512.7803**	342.1893
1146.4116	573.7094	382.8087	10	Q	8	937.5214	469.2643	313.1786
1243.4643	**622.2358**	415.1596	11	P	7	**809.4628**	**405.2350**	270.4925
1330.4964	665.7518	444.1703	12	S	6	**712.4100**	356.7087	238.1415
1443.5804	722.2939	481.8650	13	I	5	**625.3780**	313.1926	209.1309
1556.6645	778.8359	**519.5597**	14	I	4	**512.2939**	256.6506	171.4362
1643.6965	**822.3519**	**548.5704**	15	S	3	**399.2099**	200.1086	133.7415
1780.7554	890.8814	**594.2567**	16	H	2	312.1779	156.5926	104.7308
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.ST$_{181}$YSIQS$_{167}$DDKANLGSGNVDIR.T/3

0.9996

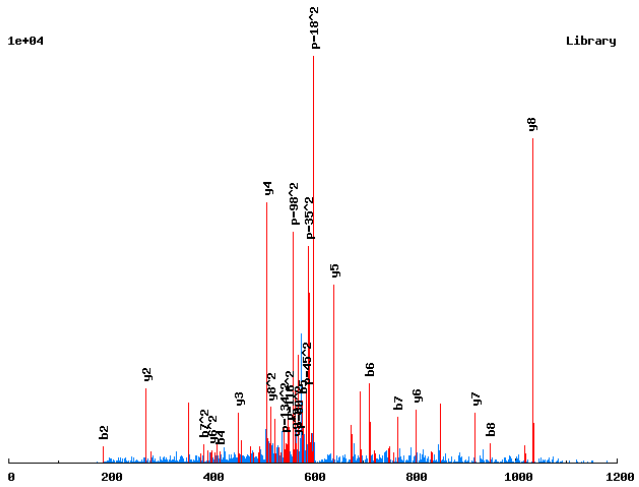


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	21			
269.0533	135.0303	90.3560	2	T[181]	20	2312.9796	**1156.9934**	**771.6647**
432.1167	216.5620	144.7104	3	Y	19	2131.9655	**1066.4864**	**711.3267**
519.1487	260.0780	173.7211	4	S	18	1968.9022	984.9547	**656.9723**
632.2327	316.6200	211.4158	5	I	17	1881.8702	**941.4387**	627.9616
760.2913	380.6493	254.1020	6	Q	16	1768.7861	884.8967	590.2669
927.2897	464.1485	309.7681	7	S[167]	15	1640.7275	**820.8674**	547.5807
1042.3166	521.6620	348.1104	8	D	14	1473.7292	**737.3682**	491.9146
1157.3436	579.1754	386.4527	9	D	13	1358.7022	**679.8548**	453.5723
1285.4385	643.2229	429.1510	10	K	12	1243.6753	**622.3413**	415.2300
1356.4756	678.7415	452.8301	11	A	11	1115.5803	558.2938	372.5316
1470.5186	**735.7629**	490.8444	12	N	10	**1044.5432**	522.7753	348.8526
1583.6026	792.3050	528.5391	13	L	9	**930.5003**	465.7538	310.8383
1640.6241	**820.8157**	547.5462	14	G	8	**817.4162**	409.2118	273.1436
1727.6561	**864.3317**	576.5569	15	S	7	**760.3948**	380.7010	254.1364
1784.6776	**892.8424**	595.5640	16	G	6	**673.3628**	337.1850	225.1258
1898.7205	949.8639	633.5784	17	N	5	616.3413	308.6743	206.1186
1997.7889	**999.3981**	666.6012	18	V	4	502.2984	251.6528	168.1043
2112.8159	**1056.9116**	**704.9435**	19	D	3	**403.2299**	202.1186	135.0815
2225.8999	**1113.4536**	**742.6382**	20	I	2	**288.2030**	144.6051	96.7392
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.SVDDYMGT$_{181}$PR.A/2

0.9996

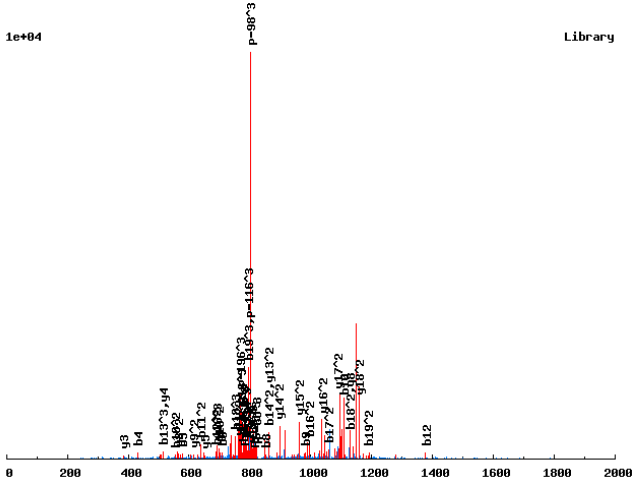


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	10		
187.1077	94.0575	2	V	9	1133.4333	**567.2203**
302.1347	151.5710	3	D	8	**1034.3649**	**517.6861**
417.1616	209.0844	4	D	7	**919.3379**	460.1726
580.2249	290.6161	5	Y	6	**804.3110**	**402.6591**
711.2654	356.1364	6	M	5	**641.2477**	321.1275
768.2869	**384.6471**	7	G	4	**510.2072**	255.6072
949.3009	475.1541	8	T[181]	3	**453.1857**	227.0965
1046.3537	523.6805	9	P	2	**272.1717**	136.5895
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SVEDFMAAMQR$_{166}$VS$_{167}$T$_{181}$QHEK$_{136}$ET.-/3

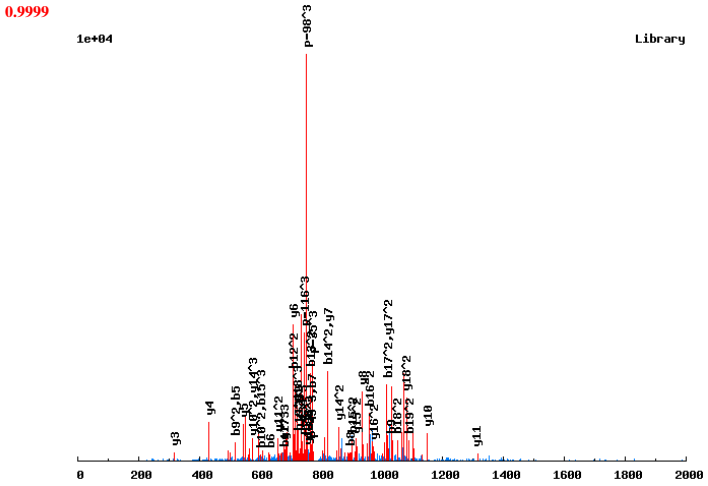
0.9975



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
187.1077	94.0575	63.0408	2	V	19	2414.9876	1207.9975	**805.6674**
316.1503	158.5788	106.0550	3	E	18	2315.9192	**1158.4633**	**772.6446**
431.1772	216.0923	144.3973	4	D	17	2186.8766	**1093.9420**	729.6304
578.2457	289.6265	193.4201	5	F	16	2071.8497	**1036.4285**	**691.2881**
709.2861	355.1467	237.1002	6	M	15	1924.7813	**962.8943**	642.2653
780.3233	390.6653	260.7793	7	A	14	1793.7408	**897.3740**	598.5851
851.3604	426.1838	284.4583	8	A	13	1722.7037	**861.8555**	574.9061
982.4009	491.7041	328.1385	9	M	12	1651.6666	826.3369	551.2270
1110.4594	**555.7334**	370.8247	10	Q	11	1520.6261	**760.8167**	507.5469
1276.5688	**638.7880**	426.1945	11	R[166]	10	1392.5675	**696.7874**	464.8607
1375.6372	**688.3223**	459.2173	12	V	9	1226.4581	**613.7327**	409.4909
1542.6356	771.8214	**514.8834**	13	S[167]	8	**1127.3897**	**564.1985**	376.4681
1723.6496	**862.3284**	575.2214	14	T[181]	7	960.3914	480.6993	320.8020
1851.7082	926.3577	617.9076	15	Q	6	779.3773	390.1923	260.4640
1988.7671	**994.8872**	663.5939	16	H	5	**651.3188**	326.1630	217.7778
2117.8097	**1059.4085**	706.6081	17	E	4	**514.2599**	257.6336	172.0915
2253.9188	**1127.4631**	**751.9778**	18	K[136]	3	**385.2173**	193.1123	129.0773
2382.9614	**1191.9844**	**794.9920**	19	E	2	249.1081	125.0577	83.7076
			20	T	1	120.0655	60.5364	40.6934

Annotated spectra from Saleem et. al. 2009

K.SVESDLHEHS$_{167}$PDNLYDLAAR.A/3

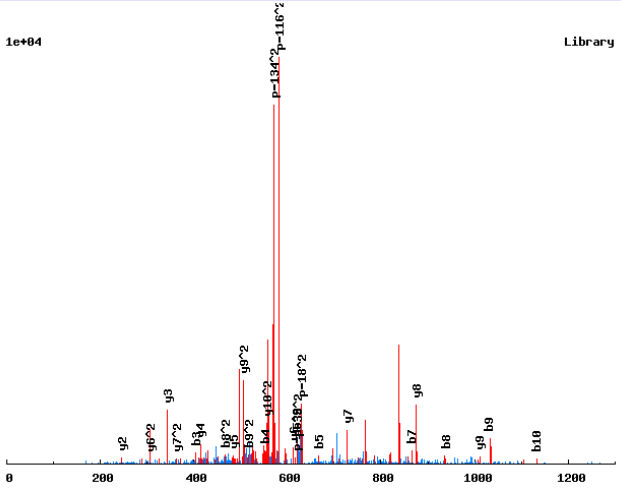


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
187.1077	94.0575	63.0408	2	V	19	2260.9870	1130.9971	**754.3339**
316.1503	158.5788	106.0550	3	E	18	2161.9186	**1081.4629**	**721.3110**
403.1823	202.0948	135.0656	4	S	17	2032.8760	**1016.9416**	**678.2969**
518.2093	259.6083	173.4079	5	D	16	1945.8440	**973.4256**	649.2862
631.2933	316.1503	211.1026	6	L	15	1830.8170	**915.9122**	610.9439
768.3523	384.6798	256.7889	7	H	14	1717.7330	**859.3701**	**573.2492**
897.3948	449.2011	299.8031	8	E	13	1580.6741	790.8407	527.5629
1034.4538	**517.7305**	345.4894	9	H	12	1451.6315	**726.3194**	484.5487
1201.4521	**601.2297**	401.1556	10	S[167]	11	**1314.5726**	**657.7899**	438.8624
1298.5049	649.7561	433.5065	11	P	10	**1147.5742**	**574.2907**	383.1962
1413.5318	**707.2695**	471.8488	12	D	9	1050.5214	525.7644	350.8453
1527.5747	**764.2910**	509.8631	13	N	8	**935.4945**	468.2509	312.5030
1640.6588	**820.8330**	547.5578	14	L	7	**821.4516**	411.2294	274.4887
1803.7221	**902.3647**	**601.9122**	15	Y	6	**708.3675**	354.6874	236.7940
1918.7491	**959.8782**	640.2545	16	D	5	**545.3042**	273.1557	182.4396
2031.8331	**1016.4202**	**677.9492**	17	L	4	**430.2772**	215.6423	144.0973
2102.8702	**1051.9388**	701.6283	18	A	3	**317.1932**	159.1002	106.4026
2173.9074	**1087.4573**	**725.3073**	19	A	2	246.1561	123.5817	82.7235
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.S$_{167}$VHFDQAAPVK.Y/2

0.999

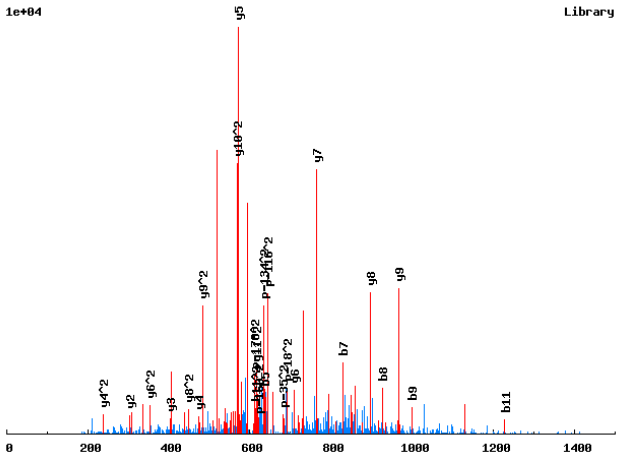


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
267.0741	134.0407	2	V	10	1111.5894	**556.2984**
404.1330	202.5701	3	H	9	**1012.5210**	**506.7642**
551.2014	276.1043	4	F	8	**875.4621**	438.2347
666.2283	333.6178	5	D	7	**728.3937**	**364.7005**
794.2869	397.6471	6	Q	6	**613.3668**	**307.1870**
865.3240	433.1656	7	A	5	**485.3082**	243.1577
936.3611	**468.6842**	8	A	4	**414.2711**	207.6392
1033.4139	**517.2106**	9	P	3	**343.2340**	172.1206
1132.4823	566.7448	10	V	2	**246.1812**	123.5942
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$VS$_{167}$AMGHPAVER.Y/2

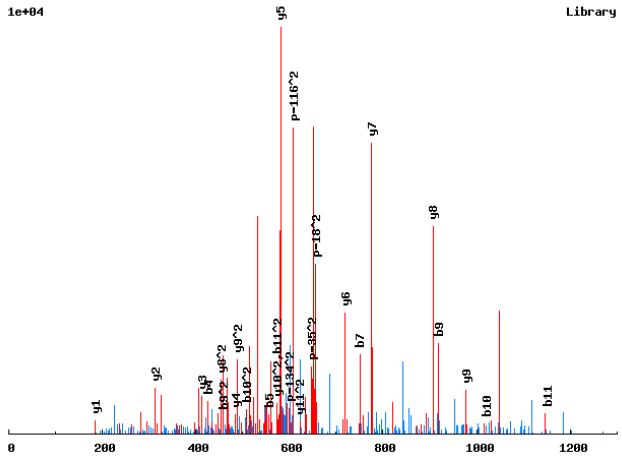
0.999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
267.0741	134.0407	2	V	11	1233.5446	**617.2759**
434.0724	217.5398	3	S[167]	10	1134.4762	**567.7417**
505.1095	253.0584	4	A	9	**967.4778**	**484.2425**
636.1500	318.5786	5	M	8	**896.4407**	**448.7240**
693.1715	347.0894	6	G	7	**765.4002**	383.2037
830.2304	415.6188	7	H	6	**708.3787**	**354.6930**
927.2831	464.1452	8	P	5	**571.3198**	286.1636
998.3203	499.6638	9	A	4	**474.2671**	**237.6372**
1097.3887	549.1980	10	V	3	**403.2299**	202.1186
1226.4313	**613.7193**	11	E	2	**304.1615**	152.5844
		12	R	1	175.1190	88.0631

R.SVS$_{167}$AMGHPAVER$_{166}$.Y/2

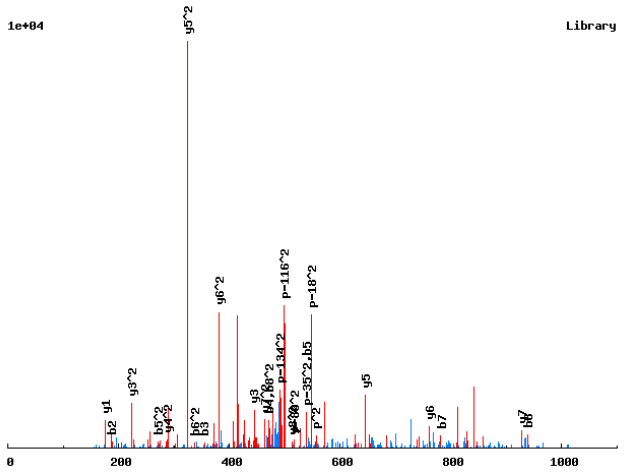
0.9996



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	12		
187.1077	94.0575	2	V	11	1243.5528	**622.2801**
354.1061	177.5567	3	S[167]	10	1144.4844	**572.7459**
425.1432	213.0752	4	A	9	**977.4861**	**489.2467**
556.1837	278.5955	5	M	8	**906.4489**	**453.7281**
613.2051	307.1062	6	G	7	**775.4085**	388.2079
750.2641	375.6357	7	H	6	**718.3870**	359.6971
847.3168	424.1620	8	P	5	**581.3281**	291.1677
918.3539	**459.6806**	9	A	4	**484.2753**	242.6413
1017.4223	**509.2148**	10	V	3	**413.2382**	207.1227
1146.4649	**573.7361**	11	E	2	**314.1698**	157.5885
		12	R[166]	1	**185.1272**	93.0672

R.SVS$_{167}$DAELRR.Y/2

0.9805

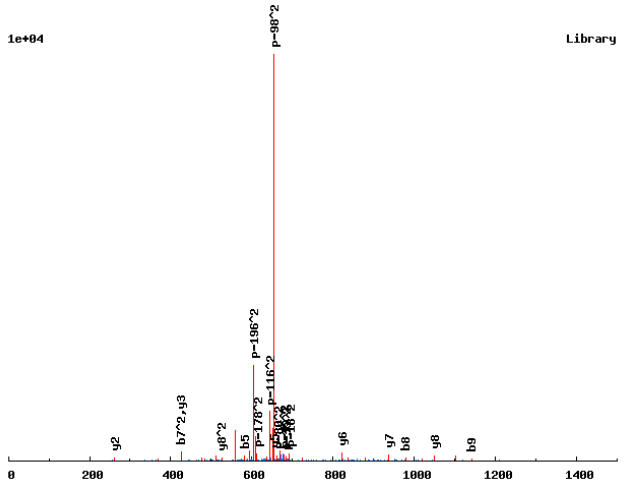


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	9		
187.1077	94.0575	2	V	8	1025.4775	**513.2424**
354.1061	177.5567	3	S[167]	7	**926.4091**	**463.7082**
469.1330	235.0702	4	D	6	**759.4108**	**380.2090**
540.1701	**270.5887**	5	A	5	**644.3838**	**322.6956**
669.2127	**335.1100**	6	E	4	573.3467	**287.1770**
782.2968	391.6520	7	L	3	**444.3041**	**222.6557**
938.3979	**469.7026**	8	R	2	331.2201	166.1137
		9	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$VSIDS$_{167}$TKYSR.D/2

0.9778

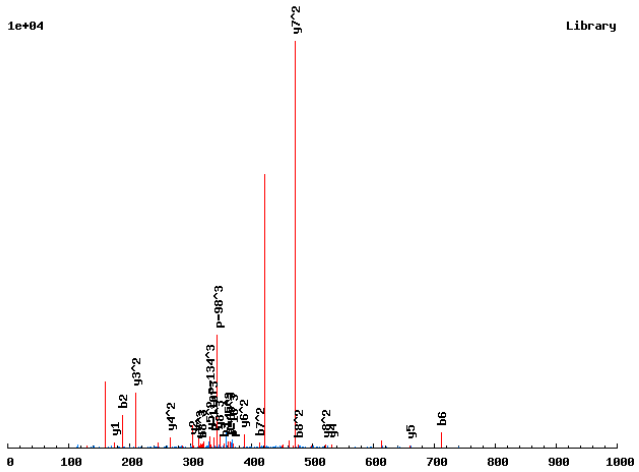


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	11		
267.0741	134.0407	2	V	10	1235.5668	618.2870
354.1061	177.5567	3	S	9	1136.4983	568.7528
467.1901	234.0987	4	I	8	**1049.4663**	**525.2368**
582.2171	291.6122	5	D	7	**936.3823**	468.6948
749.2154	375.1114	6	S[167]	6	**821.3553**	411.1813
850.2631	**425.6352**	7	T	5	**654.3570**	327.6821
978.3581	489.6827	8	K	4	553.3093	277.1583
1141.4214	571.2143	9	Y	3	**425.2143**	213.1108
1228.4534	614.7304	10	S	2	**262.1510**	131.5791
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.SVS$_{167}$LEDLKR.N/3

0.9987

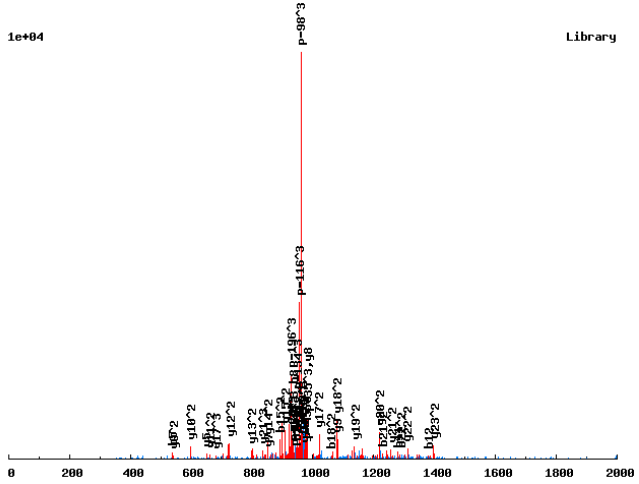


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	9			
187.1077	94.0575	63.0408	2	V	8	1039.5183	**520.2628**	**347.1776**
354.1061	177.5567	118.7069	3	S[167]	7	940.4499	**470.7286**	**314.1548**
467.1901	234.0987	156.4016	4	L	6	773.4516	**387.2294**	258.4887
596.2327	298.6200	199.4158	5	E	5	**660.3675**	**330.6874**	220.7940
711.2597	356.1335	237.7581	6	D	4	**531.3249**	**266.1661**	177.7798
824.3437	**412.6755**	275.4528	7	L	3	416.2980	**208.6526**	139.4375
952.4387	**476.7230**	**318.1511**	8	K	2	**303.2139**	152.1106	101.7428
			9	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.SVS$_{167}$NAS$_{167}$LDTQNTFEQNVESDKNFNK.L/3

0.9935

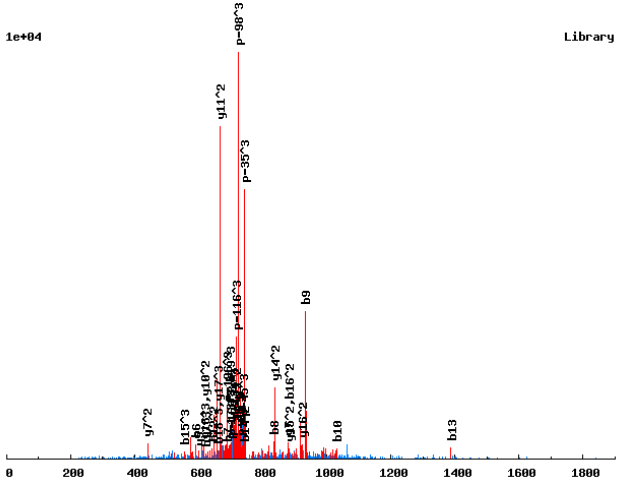


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	25			
187.1077	94.0575	63.0408	2	V	24	2889.1976	1445.1024	**963.7374**
354.1061	177.5567	118.7069	3	S[167]	23	2790.1291	**1395.5682**	**930.7146**
468.1490	234.5781	156.7212	4	N	22	2623.1308	**1312.0690**	875.0484
539.1861	270.0967	180.4002	5	A	21	2509.0879	**1255.0476**	**837.0341**
706.1845	353.5959	236.0663	6	S[167]	20	2438.0507	**1219.5290**	813.3551
819.2685	410.1379	273.7610	7	L	19	2271.0524	**1136.0298**	757.6890
934.2955	467.6514	312.1033	8	D	18	2157.9683	**1079.4878**	719.9943
1035.3432	518.1752	345.7859	9	T	17	2042.9414	**1021.9743**	**681.6520**
1163.4017	582.2045	388.4721	10	Q	16	1941.8937	**971.4505**	647.9694
1277.4447	639.2260	426.4864	11	N	15	1813.8351	**907.4212**	605.2832
1378.4924	689.7498	460.1690	12	T	14	1699.7922	**850.3997**	567.2689
1525.5608	763.2840	509.1918	13	F	13	1598.7445	**799.8759**	533.5864
1654.6034	827.8053	552.2060	14	E	12	1451.6761	**726.3417**	484.5636
1782.6619	**891.8346**	594.8922	15	Q	11	1322.6335	**661.8204**	441.5494
1896.7049	**948.8561**	632.9065	16	N	10	1194.5749	**597.7911**	398.8632
1995.7733	998.3903	665.9293	17	V	9	**1080.5320**	**540.7696**	360.8489
2124.8159	**1062.9116**	708.9435	18	E	8	**981.4636**	491.2354	327.8261
2211.8479	1106.4276	737.9542	19	S	7	**852.4210**	426.7141	284.8119
2326.8748	1163.9411	776.2965	20	D	6	765.3890	383.1981	255.8012
2454.9698	**1227.9885**	818.9948	21	K	5	**650.3620**	325.6847	217.4589
2569.0127	**1285.0100**	857.0091	22	N	4	522.2671	261.6372	174.7605
2716.0811	1358.5442	906.0319	23	F	3	408.2241	204.6157	136.7462
2830.1241	1415.5657	**944.0462**	24	N	2	261.1557	131.0815	87.7234
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.SVTESSPFVPSS$_{167}$TPT$_{181}$PVDDR.S/3

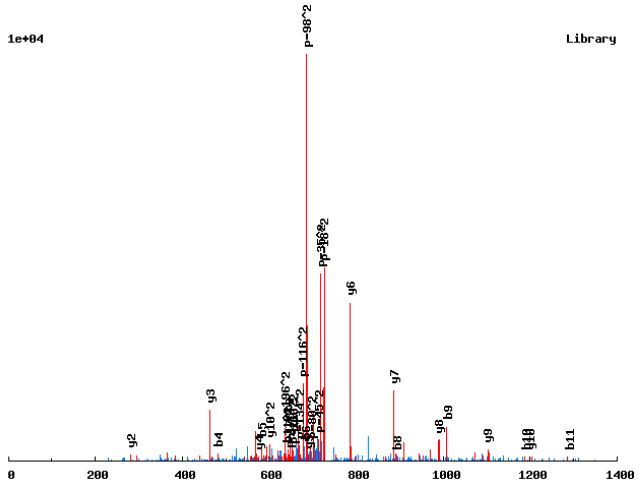
0.9991



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	20			
187.1077	94.0575	63.0408	2	V	19	2177.9039	1089.4556	**726.6395**
288.1554	144.5813	96.7233	3	T	18	2078.8355	1039.9214	693.6167
417.1980	209.1026	139.7375	4	E	17	1977.7878	989.3976	**659.9341**
504.2300	252.6186	168.7482	5	S	16	1848.7452	**924.8763**	**616.9199**
591.2621	296.1347	197.7589	6	S	15	1761.7132	**881.3602**	587.9093
688.3148	344.6610	230.1098	7	P	14	1674.6812	**837.8442**	558.8986
835.3832	418.1953	279.1326	8	F	13	1577.6284	789.3179	526.5477
934.4516	467.7295	312.1554	9	V	12	1430.5600	**715.7836**	477.5249
1031.5044	516.2558	344.5063	10	P	11	1331.4916	**666.2494**	444.5021
1118.5364	559.7719	373.5170	11	S	10	1234.4388	**617.7231**	412.1511
1285.5348	**643.2710**	429.1831	12	S[167]	9	1147.4068	574.2070	383.1405
1386.5825	693.7949	462.8657	13	T	8	980.4085	490.7079	327.4743
1483.6352	**742.3213**	495.2166	14	P	7	**879.3608**	**440.1840**	293.7918
1664.6492	832.8283	**555.5546**	15	T[181]	6	782.3080	391.6576	261.4409
1761.7020	**881.3546**	587.9055	16	P	5	**601.2940**	301.1506	201.1029
1860.7704	930.8888	**620.9283**	17	V	4	504.2412	252.6243	168.7519
1975.7973	988.4023	**659.2706**	18	D	3	405.1728	203.0901	135.7291
2090.8243	1045.9158	**697.6129**	19	D	2	290.1459	145.5766	97.3868
			20	R	1	175.1190	88.0631	59.0445

R.S$_{167}$VTNTTPLLT$_{181}$PR$_{166}$.H/2

0.9995

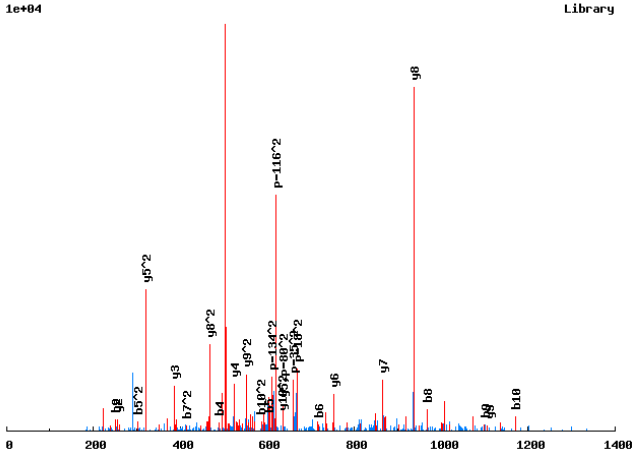


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	12		
267.0741	134.0407	2	V	11	1302.6692	**651.8383**
368.1217	184.5645	3	T	10	**1203.6008**	**602.3041**
482.1647	241.5860	4	N	9	**1102.5532**	551.7802
583.2123	292.1098	5	T	8	**988.5102**	494.7588
684.2600	342.6337	6	T	7	**887.4626**	444.2349
781.3128	391.1600	7	P	6	**786.4149**	393.7111
894.3968	447.7021	8	L	5	**689.3621**	345.1847
1007.4809	504.2441	9	L	4	**576.2781**	288.6427
1188.4949	594.7511	10	T[181]	3	**463.1940**	232.1006
1285.5477	**643.2775**	11	P	2	**282.1800**	141.5936
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.SYS$_{167}$ANDLHMAR$_{166}$.S/2

0.9996

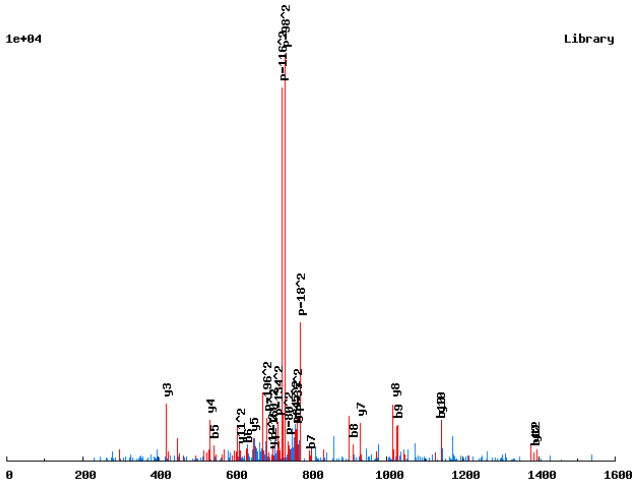


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
88.0393	44.5233	1	S	11		
251.1026	126.0550	2	Y	10	1267.5165	**634.2619**
418.1010	209.5541	3	S[167]	9	**1104.4531**	**552.7302**
489.1381	245.0727	4	A	8	**937.4548**	**469.2310**
603.1810	**302.0942**	5	N	7	**866.4177**	433.7125
718.2080	359.6076	6	D	6	**752.3747**	376.6910
831.2920	**416.1497**	7	L	5	**637.3478**	**319.1775**
968.3510	484.6791	8	H	4	**524.2637**	262.6355
1099.3914	550.1994	9	M	3	**387.2048**	194.1060
1170.4286	**585.7179**	10	A	2	**256.1643**	128.5858
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$YSGASS$_{167}$LDDPFR.V/2

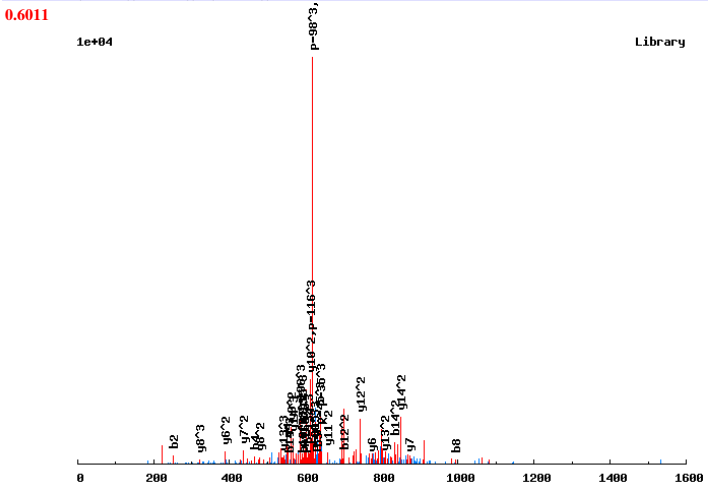
0.9967



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	13		
331.0690	166.0381	2	Y	12	**1394.5624**	**697.7848**
418.1010	209.5541	3	S	11	1231.4991	**616.2532**
475.1225	238.0649	4	G	10	**1144.4670**	572.7372
546.1596	273.5834	5	A	9	1087.4456	544.2264
633.1916	317.0994	6	S	8	**1016.4085**	508.7079
800.1900	400.5986	7	S[167]	7	**929.3764**	465.1919
913.2740	457.1407	8	L	6	**762.3781**	381.6927
1028.3010	514.6541	9	D	5	**649.2940**	325.1506
1143.3279	572.1676	10	D	4	**534.2671**	267.6372
1240.3807	620.6940	11	P	3	**419.2401**	210.1237
1387.4491	694.2282	12	F	2	322.1874	161.5973
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.SYSQS$_{167}$PPR$_{166}$SPGR$_{166}$S$_{167}$PTR$_{166}$.R/3

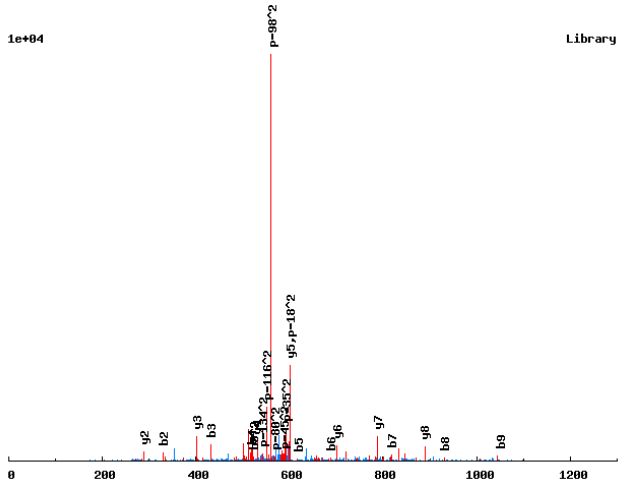


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
88.0393	44.5233	30.0180	1	S	16			
251.1026	126.0550	84.3724	2	Y	15	1862.8088	931.9081	**621.6078**
338.1347	169.5710	113.3831	3	S	14	1699.7455	**850.3764**	**567.2534**
466.1933	233.6003	156.0693	4	Q	13	1612.7135	**806.8604**	**538.2427**
633.1916	317.0994	211.7354	5	S[167]	12	1484.6549	**742.8311**	495.5565
730.2444	365.6258	244.0863	6	P	11	1317.6565	**659.3319**	439.8904
827.2971	414.1522	276.4372	7	P	10	1220.6038	**610.8055**	407.5394
993.4065	497.2069	331.8070	8	R[166]	9	1123.5510	**562.2792**	375.1885
1080.4385	540.7229	360.8177	9	S	8	957.4416	**479.2245**	**319.8187**
1177.4913	**589.2493**	393.1686	10	P	7	**870.4096**	**435.7084**	290.8081
1234.5128	**617.7600**	412.1758	11	G	6	**773.3569**	**387.1821**	258.4571
1400.6221	**700.8147**	467.5456	12	R[166]	5	716.3354	358.6713	239.4500
1567.6205	784.3139	523.2117	13	S[167]	4	**550.2260**	275.6167	184.0802
1664.6733	**832.8403**	**555.5626**	14	P	3	383.2277	192.1175	128.4141
1765.7209	883.3641	**589.2452**	15	T	2	286.1749	143.5911	96.0632
			16	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.S$_{167}$YTSVAELNR.E/2

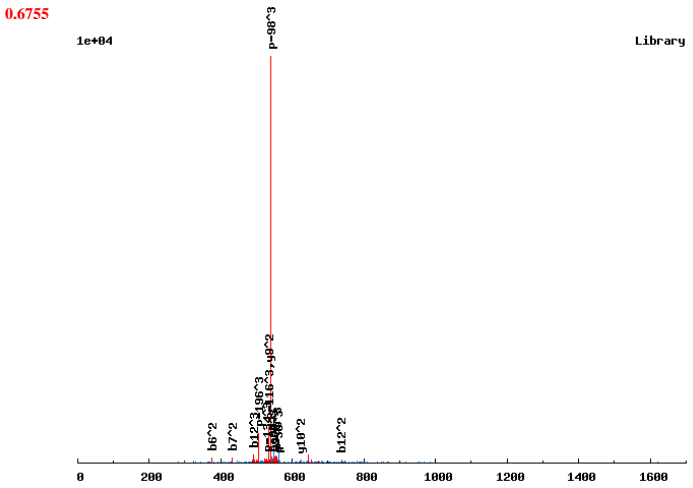
0.9997



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
168.0056	84.5065	1	S[167]	10		
331.0690	166.0381	2	Y	9	1052.5371	526.7722
432.1167	216.5620	3	T	8	**889.4738**	445.2405
519.1487	260.0780	4	S	7	**788.4261**	394.7167
618.2171	309.6122	5	V	6	**701.3940**	351.2007
689.2542	345.1307	6	A	5	**602.3256**	301.6665
818.2968	409.6520	7	E	4	**531.2885**	266.1479
931.3809	466.1941	8	L	3	**402.2459**	201.6266
1045.4238	**523.2155**	9	N	2	**289.1619**	145.0846
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TAES$_{167}$T$_{181}$PLS$_{167}$ALYVSK$_{136}$.Y/3

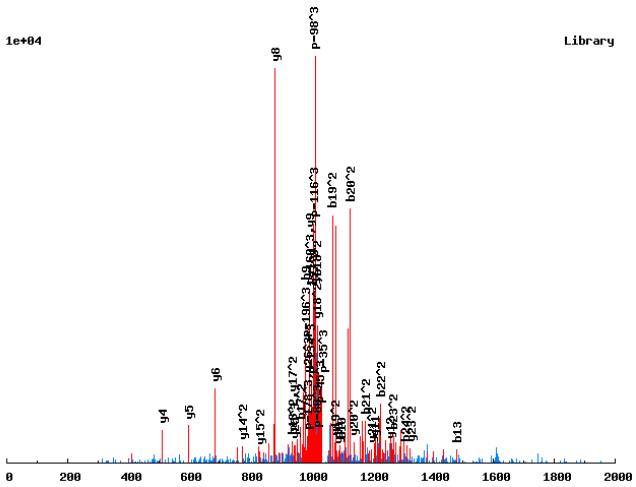


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	14			
173.0921	87.0497	58.3689	2	A	13	1613.6392	807.3232	538.5513
302.1347	151.5710	101.3831	3	E	12	1542.6021	771.8047	514.8722
469.1330	235.0702	157.0492	4	S[167]	11	1413.5595	707.2834	471.8580
650.1470	325.5772	217.3872	5	T[181]	10	1246.5611	**623.7842**	416.1919
747.1998	**374.1035**	249.7381	6	P	9	1065.5471	**533.2772**	355.8539
860.2839	**430.6456**	287.4328	7	L	8	968.4944	484.7508	323.5030
1027.2822	514.1447	343.0989	8	S[167]	7	855.4103	428.2088	285.8083
1098.3193	**549.6633**	366.7780	9	A	6	688.4119	344.7096	230.1422
1211.4034	606.2053	404.4726	10	L	5	617.3748	309.1911	206.4631
1374.4667	687.7370	458.8271	11	Y	4	504.2908	252.6490	168.7684
1473.5351	**737.2712**	**491.8499**	12	V	3	341.2274	171.1174	114.4140
1560.5672	780.7872	520.8606	13	S	2	242.1590	121.5832	81.3912
			14	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.TAEVSHDIENS$_{167}$SQNT$_{181}$TGNVLPVSSPQTR$_{166}$.V/3

0.9993

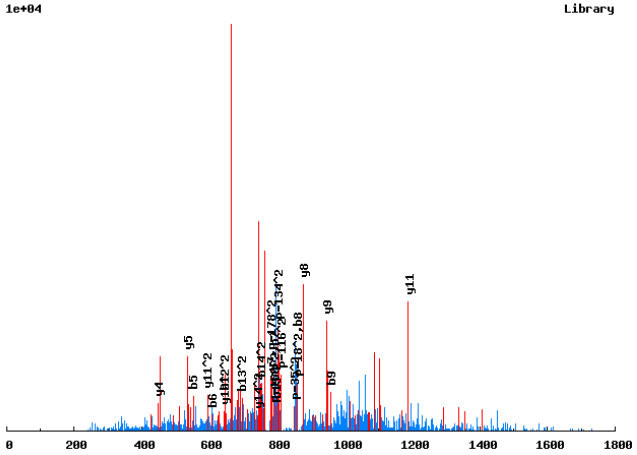


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	28			
173.0921	87.0497	58.3689	2	A	27	3037.3175	1519.1624	**1013.1107**
302.1347	151.5710	101.3831	3	E	26	2966.2804	1483.6438	**989.4316**
401.2031	201.1052	134.4059	4	V	25	2837.2378	1419.1225	**946.4175**
488.2351	244.6212	163.4166	5	S	24	2738.1694	1369.5883	913.3946
625.2940	313.1506	209.1029	6	H	23	2651.1374	**1326.0723**	884.3840
740.3210	370.6641	247.4452	7	D	22	2514.0784	1257.5429	838.6977
853.4050	427.2061	285.1399	8	I	21	2399.0515	**1200.0294**	800.3554
982.4476	491.7274	328.1541	9	E	20	2285.9674	**1143.4874**	762.6607
1096.4905	548.7489	366.1684	10	N	19	2156.9249	**1078.9661**	719.6465
1263.4889	632.2481	421.8345	11	S[167]	18	2042.8819	**1021.9446**	681.6322
1350.5209	675.7641	450.8452	12	S	17	1875.8836	**938.4454**	625.9660
1478.5795	739.7934	493.5314	13	Q	16	1788.8515	894.9294	596.9554
1592.6224	796.8149	531.5457	14	N	15	1660.7929	**830.9001**	554.2692
1773.6364	887.3219	591.8837	15	T[181]	14	1546.7500	**773.8786**	516.2549
1874.6841	**937.8457**	625.5662	16	T	13	1365.7360	683.3716	455.9169
1931.7056	**966.3564**	644.5734	17	G	12	**1264.6883**	632.8478	422.2343
2045.7485	**1023.3779**	682.5877	18	N	11	**1207.6669**	604.3371	403.2271
2144.8169	**1072.9121**	715.6105	19	V	10	**1093.6239**	547.3156	365.2128
2257.9010	**1129.4541**	753.3052	20	L	9	**994.5555**	497.7814	332.1900
2354.9537	**1177.9805**	785.6561	21	P	8	**881.4715**	441.2394	294.4953
2454.0222	**1227.5147**	818.6789	22	V	7	784.4187	392.7130	262.1444
2541.0542	**1271.0307**	847.6896	23	S	6	**685.3503**	343.1788	229.1216
2628.0862	**1314.5467**	876.7003	24	S	5	**598.3183**	299.6628	200.1109
2725.1390	1363.0731	909.0512	25	P	4	**511.2862**	256.1468	171.1003
2853.1976	1427.1024	951.7374	26	Q	3	414.2335	207.6204	138.7493
2954.2452	1477.6263	985.4199	27	T	2	286.1749	143.5911	96.0632
			28	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$ALSVGT$_{181}$APPFSTNSK.K/2

0.8144

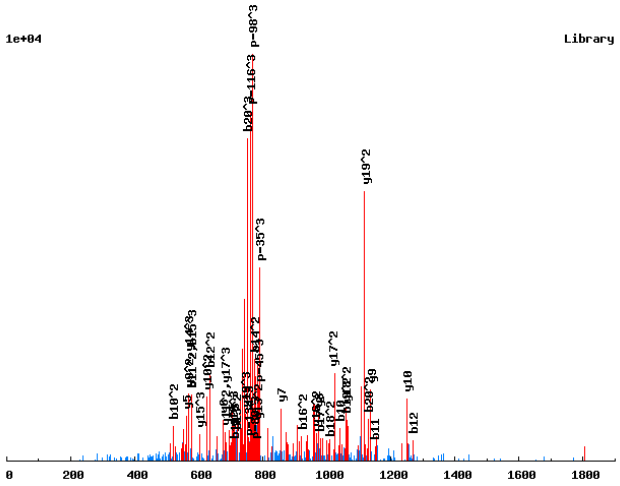


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	16		
253.0584	127.0328	2	A	15	1556.7356	778.8714
366.1425	183.5749	3	L	14	1485.6985	**743.3529**
453.1745	227.0909	4	S	13	1372.6144	686.8109
552.2429	276.6251	5	V	12	1285.5824	**643.2948**
609.2644	305.1358	6	G	11	**1186.5140**	**593.7606**
790.2784	395.6428	7	T[181]	10	1129.4925	565.2499
861.3155	431.1614	8	A	9	**948.4785**	474.7429
958.3682	479.6878	9	P	8	**877.4414**	439.2243
1055.4210	528.2141	10	P	7	**780.3886**	390.6980
1202.4894	601.7483	11	F	6	683.3359	342.1716
1289.5214	**645.2644**	12	S	5	**536.2675**	268.6374
1390.5691	**695.7882**	13	T	4	**449.2354**	225.1214
1504.6121	**752.8097**	14	N	3	348.1878	174.5975
1591.6441	**796.3257**	15	S	2	234.1448	117.5761
		16	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.TANANQTHSNIDYDT$_{181}$DDGNEK.N/3

0.9261

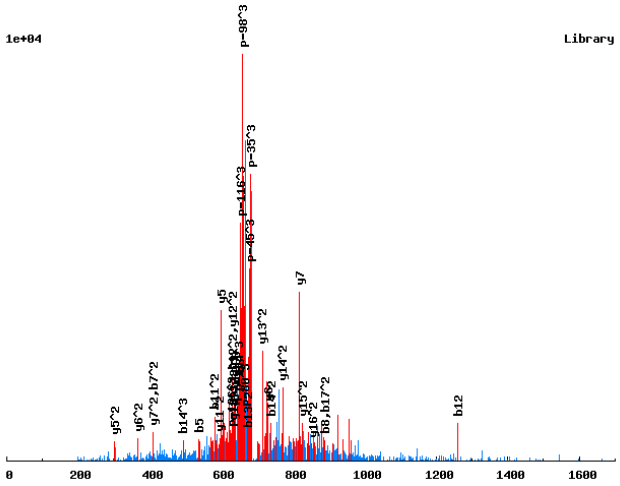


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	21			
173.0921	87.0497	58.3689	2	A	20	2301.8892	1151.4482	767.9679
287.1350	144.0711	96.3832	3	N	19	2230.8520	**1115.9297**	**744.2889**
358.1721	179.5897	120.0622	4	A	18	2116.8091	**1058.9082**	**706.2746**
472.2150	236.6112	158.0765	5	N	17	2045.7720	**1023.3896**	**682.5955**
600.2736	300.6405	200.7627	6	Q	16	1931.7291	**966.3682**	644.5812
701.3213	351.1643	234.4453	7	T	15	1803.6705	902.3389	**601.8950**
838.3802	419.6937	280.1316	8	H	14	1702.6228	851.8150	**568.2125**
925.4122	463.2098	309.1423	9	S	13	1565.5639	**783.2856**	522.5262
1039.4552	**520.2312**	347.1566	10	N	12	1478.5319	739.7696	493.5155
1152.5392	**576.7733**	384.8513	11	I	11	1364.4889	**682.7481**	455.5012
1267.5662	**634.2867**	423.1936	12	D	10	**1251.4049**	**626.2061**	417.8065
1430.6295	**715.8184**	477.5480	13	Y	9	**1136.3779**	**568.6926**	379.4642
1545.6564	**773.3319**	515.8903	14	D	8	**973.3146**	487.1609	325.1097
1726.6705	863.8389	**576.2283**	15	T[181]	7	**858.2877**	429.6475	286.7674
1841.6974	**921.3523**	614.5707	16	D	6	**677.2737**	339.1405	226.4294
1956.7243	**978.8658**	652.9130	17	D	5	**562.2467**	281.6270	188.0871
2013.7458	**1007.3765**	671.9201	18	G	4	447.2198	224.1135	149.7448
2127.7887	**1064.3980**	**709.9344**	19	N	3	390.1983	195.6028	130.7376
2256.8313	**1128.9193**	**752.9486**	20	E	2	276.1554	138.5813	92.7233
			21	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$ANGLIS$_{167}$ANTGVSMPTVQR.T/3

0.9344

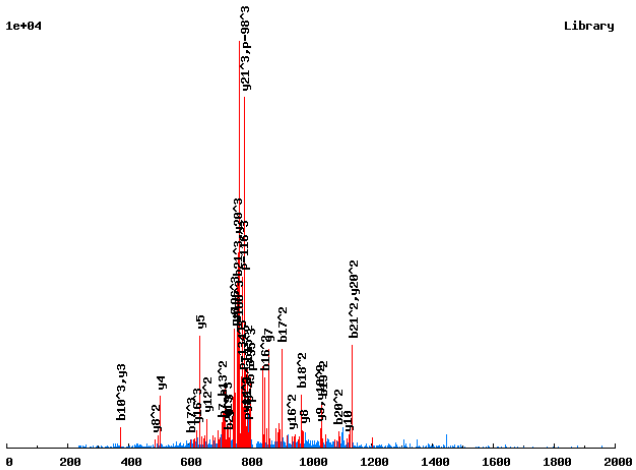


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	19			
253.0584	127.0328	85.0243	2	A	18	1895.9045	948.4559	**632.6397**
367.1013	184.0543	123.0386	3	N	17	1824.8674	912.9373	608.9606
424.1228	212.5650	142.0458	4	G	16	1710.8244	**855.9159**	570.9463
537.2069	269.1071	179.7405	5	L	15	1653.8030	**827.4051**	551.9392
650.2909	325.6491	217.4352	6	I	14	1540.7189	**770.8631**	514.2445
817.2893	**409.1483**	273.1013	7	S[167]	13	1427.6349	**714.3211**	476.5498
888.3264	444.6668	296.7803	8	A	12	1260.6365	**630.8219**	420.8837
1002.3693	501.6883	334.7946	9	N	11	1189.5994	**595.3033**	397.2046
1103.4170	552.2121	368.4772	10	T	10	1075.5565	538.2819	359.1903
1160.4385	**580.7229**	387.4843	11	G	9	974.5088	487.7580	325.5078
1259.5069	**630.2571**	420.5071	12	V	8	917.4873	459.2473	306.5006
1346.5389	**673.7731**	449.5178	13	S	7	**818.4189**	**409.7131**	273.4778
1477.5794	**739.2933**	**493.1980**	14	M	6	**731.3869**	**366.1971**	244.4671
1574.6321	787.8197	525.5489	15	P	5	**600.3464**	**300.6768**	200.7870
1675.6798	838.3436	559.2315	16	T	4	503.2936	252.1504	168.4361
1774.7482	**887.8778**	592.2543	17	V	3	402.2459	201.6266	134.7535
1902.8068	951.9070	634.9405	18	Q	2	303.1775	152.0924	101.7307
			19	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.TAPDVSHS$_{167}$S$_{167}$SPTSGILIEENSR.R/3

0.9999

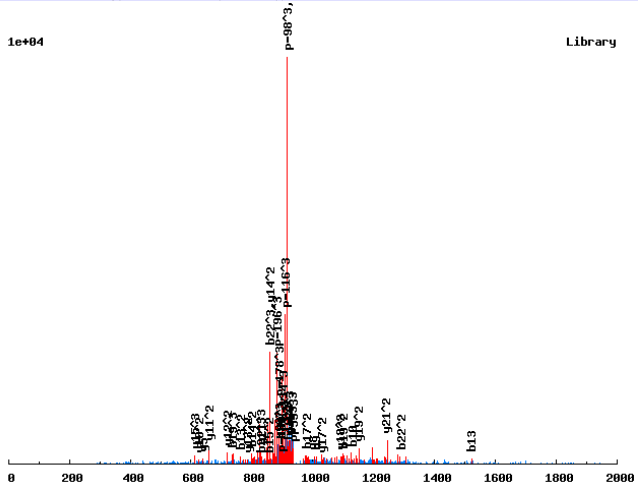


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	22			
173.0921	87.0497	58.3689	2	A	21	2342.9901	1171.9987	**781.6682**
270.1448	135.5761	90.7198	3	P	20	2271.9530	**1136.4801**	**757.9892**
385.1718	193.0895	129.0621	4	D	19	2174.9002	1087.9538	**725.6383**
484.2402	242.6237	162.0849	5	V	18	2059.8733	**1030.4403**	687.2960
571.2722	286.1397	191.0956	6	S	17	1960.8049	980.9061	654.2732
708.3311	354.6692	236.7819	7	H	16	1873.7729	**937.3901**	**625.2625**
875.3295	438.1684	292.4480	8	S[167]	15	1736.7140	868.8606	579.5762
1042.3278	521.6676	348.1141	9	S[167]	14	1569.7156	**785.3614**	523.9101
1129.3599	565.1836	**377.1248**	10	S	13	1402.7172	701.8623	468.2439
1226.4126	613.7100	409.4757	11	P	12	1315.6852	**658.3462**	439.2333
1327.4603	664.2338	443.1583	12	T	11	1218.6324	609.8199	406.8823
1414.4923	**707.7498**	472.1690	13	S	10	**1117.5848**	559.2960	373.1998
1471.5138	736.2605	491.1761	14	G	9	**1030.5527**	515.7800	344.1891
1584.5979	**792.8026**	528.8708	15	I	8	**973.5313**	**487.2693**	325.1819
1697.6819	**849.3446**	566.5655	16	L	7	**860.4472**	430.7272	287.4873
1810.7660	**905.8866**	**604.2602**	17	I	6	**747.3632**	374.1852	249.7926
1939.8086	**970.4079**	647.2744	18	E	5	**634.2791**	317.6432	212.0979
2068.8512	**1034.9292**	690.2886	19	E	4	**505.2365**	253.1219	169.0837
2182.8941	**1091.9507**	**728.3029**	20	N	3	**376.1939**	188.6006	126.0695
2269.9261	**1135.4667**	**757.3136**	21	S	2	262.1510	131.5791	88.0552
			22	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$ATGENQNDDFK$_{136}$DANEDLHS$_{167}$LSSR$_{166}$.G/3

0.6348

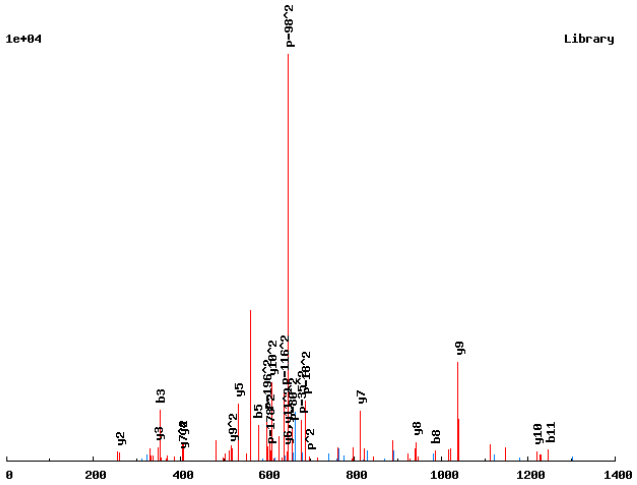


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	24			
253.0584	127.0328	85.0243	2	A	23	2661.1179	1331.0626	**887.7108**
354.1061	177.5567	118.7069	3	T	22	2590.0808	1295.5440	864.0318
411.1275	206.0674	137.7140	4	G	21	2489.0331	**1245.0202**	**830.3492**
540.1701	270.5887	180.7282	5	E	20	2432.0117	1216.5095	811.3421
654.2131	327.6102	218.7425	6	N	19	2302.9691	**1151.9882**	768.3279
782.2716	391.6395	261.4287	7	Q	18	2188.9261	**1094.9667**	730.3136
896.3146	448.6609	299.4430	8	N	17	2060.8676	**1030.9374**	687.6274
1011.3415	506.1744	337.7854	9	D	16	1946.8246	973.9160	649.6131
1126.3685	563.6879	376.1277	10	D	15	1831.7977	**916.4025**	**611.2707**
1273.4369	637.2221	425.1505	11	F	14	1716.7707	**858.8890**	572.9284
1409.5460	705.2766	470.5202	12	K[136]	13	1569.7023	**785.3548**	523.9056
1524.5730	**762.7901**	508.8625	13	D	12	1433.5932	**717.3002**	478.5359
1595.6101	**798.3087**	532.5415	14	A	11	1318.5662	**659.7868**	440.1936
1709.6530	**855.3301**	570.5559	15	N	10	1247.5291	**624.2682**	416.5146
1838.6956	**919.8514**	613.5700	16	E	9	1133.4862	567.2467	378.5003
1953.7225	**977.3649**	651.9124	17	D	8	**1004.4436**	502.7254	335.4861
2066.8066	1033.9069	689.6070	18	L	7	**889.4167**	445.2120	297.1437
2203.8655	**1102.4364**	**735.2934**	19	H	6	776.3326	388.6699	259.4491
2370.8639	1185.9356	790.9595	20	S[167]	5	**639.2737**	320.1405	213.7628
2483.9479	1242.4776	**828.6542**	21	L	4	472.2753	236.6413	158.0966
2570.9800	**1285.9936**	**857.6648**	22	S	3	359.1913	180.0993	120.4019
2658.0120	1329.5096	886.6755	23	S	2	272.1592	136.5833	91.3913
			24	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.TAT$_{181}$PQS$_{167}$LQGSNK.S/2

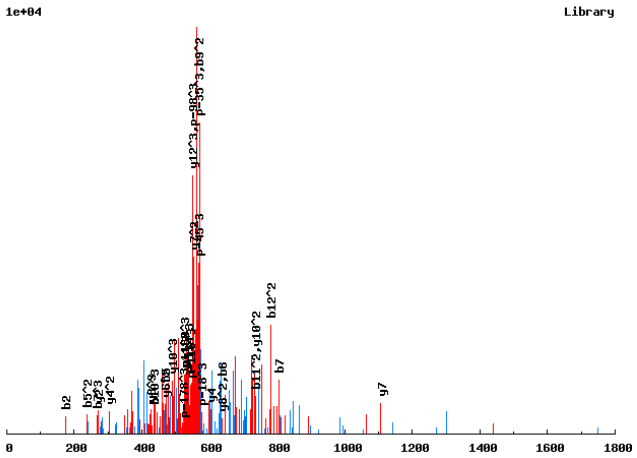
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	12		
173.0921	87.0497	2	A	11	1290.5127	**645.7600**
354.1061	177.5567	3	T[181]	10	**1219.4756**	**610.2414**
451.1588	226.0831	4	P	9	**1038.4616**	**519.7344**
579.2174	290.1124	5	Q	8	**941.4088**	471.2080
746.2158	373.6115	6	S[167]	7	**813.3502**	**407.1788**
859.2998	430.1536	7	L	6	**646.3519**	323.6796
987.3584	494.1829	8	Q	5	**533.2678**	267.1375
1044.3799	522.6936	9	G	4	**405.2092**	203.1082
1131.4119	566.2096	10	S	3	**348.1878**	174.5975
1245.4548	623.2311	11	N	2	**261.1557**	131.0815
		12	K	1	147.1128	74.0600

K.TATTPS$_{167}$S$_{167}$S$_{167}$S$_{167}$S$_{167}$S$_{167}$SR$_{166}$.S/3

0.7267

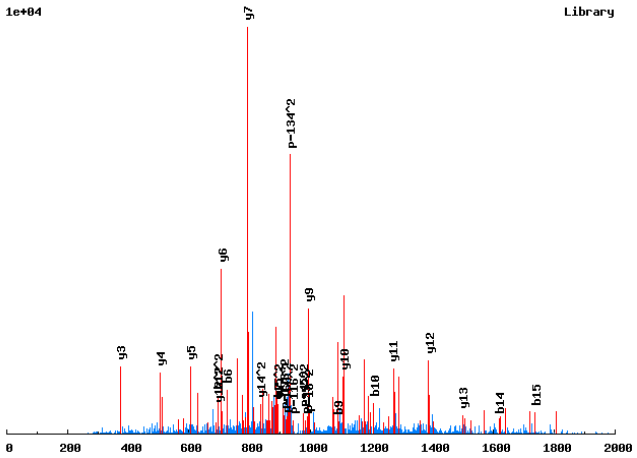


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	13			
173.0921	87.0497	58.3689	2	A	12	1644.3346	822.6710	**548.7831**
274.1397	137.5735	92.0514	3	T	11	1573.2975	787.1524	**525.1040**
375.1874	188.0974	125.7340	4	T	10	1472.2499	**736.6286**	**491.4215**
472.2402	**236.6237**	158.0849	5	P	9	1371.2022	686.1047	457.7389
639.2386	320.1229	213.7510	6	S[167]	8	1274.1494	**637.5783**	**425.3880**
806.2369	403.6221	**269.4172**	7	S[167]	7	**1107.1511**	**554.0792**	369.7219
973.2353	487.1213	325.0833	8	S[167]	6	940.1527	**470.5800**	314.0558
1140.2336	**570.6205**	380.7494	9	S[167]	5	773.1543	387.0808	258.3896
1307.2320	654.1196	**436.4155**	10	S[167]	4	**606.1560**	**303.5816**	202.7235
1474.2304	**737.6188**	492.0816	11	S[167]	3	439.1576	220.0824	147.0574
1561.2624	**781.1348**	521.0923	12	S	2	**272.1592**	136.5833	91.3913
			13	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.TDNS$_{167}$LNS$_{167}$LSLSTTEISR.K/2

0.9996

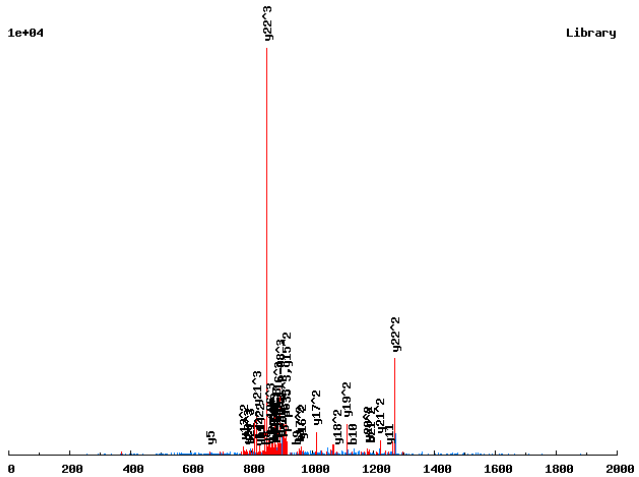


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
217.0819	109.0446	2	D	16	1896.7988	948.9030
331.1248	166.0661	3	N	15	1781.7718	**891.3895**
498.1232	249.5652	4	S[167]	14	1667.7289	**834.3681**
611.2073	306.1073	5	L	13	**1500.7305**	750.8689
725.2502	363.1287	6	N	12	**1387.6465**	**694.3269**
892.2485	446.6279	7	S[167]	11	**1273.6035**	637.3054
1005.3326	503.1699	8	L	10	**1106.6052**	553.8062
1092.3646	546.6860	9	S	9	**993.5211**	497.2642
1205.4487	603.2280	10	L	8	906.4891	453.7482
1292.4807	646.7440	11	S	7	**793.4050**	397.2062
1393.5284	**697.2678**	12	T	6	**706.3730**	353.6901
1494.5761	747.7917	13	T	5	**605.3253**	303.1663
1623.6187	812.3130	14	E	4	**504.2776**	252.6425
1736.7027	868.8550	15	I	3	**375.2350**	188.1212
1823.7348	912.3710	16	S	2	262.1510	131.5791
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TEPSEAETTT$_{181}$VNT$_{181}$ESLGQAEHEIK$_{136}$.A/3

0.8423

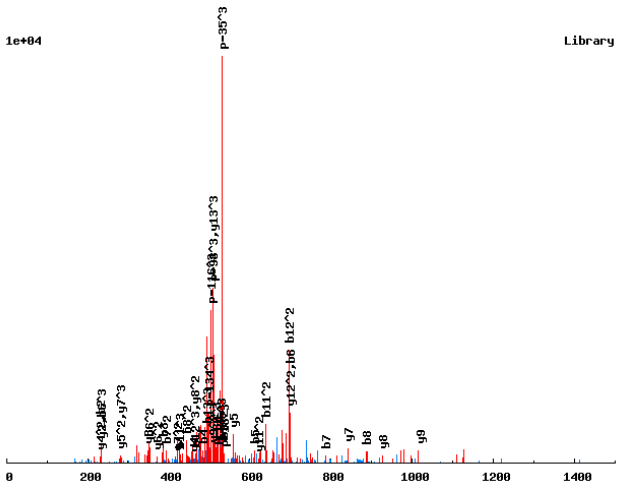


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	24			
231.0975	116.0524	77.7040	2	E	23	2668.1154	1334.5613	**890.0433**
328.1503	164.5788	110.0550	3	P	22	2539.0728	**1270.0400**	**847.0291**
415.1823	208.0948	139.0656	4	S	21	2442.0200	**1221.5137**	**814.6782**
544.2249	272.6161	182.0798	5	E	20	2354.9880	**1177.9976**	**785.6675**
615.2620	308.1347	205.7589	6	A	19	2225.9454	**1113.4763**	742.6533
744.3046	372.6560	248.7731	7	E	18	2154.9083	**1077.9578**	718.9743
845.3523	423.1798	282.4556	8	T	17	2025.8657	**1013.4365**	675.9601
946.4000	473.7036	316.1382	9	T	16	1924.8180	**962.9127**	642.2775
1127.4140	564.2106	376.4762	10	T[181]	15	1823.7703	**912.3888**	608.5950
1226.4824	613.7448	409.4990	11	V	14	1642.7563	**821.8818**	548.2570
1340.5253	670.7663	447.5133	12	N	13	1543.6879	**772.3476**	515.2342
1521.5394	761.2733	507.8513	13	T[181]	12	1429.6450	715.3261	477.2198
1650.5819	**825.7946**	550.8655	14	E	11	**1248.6310**	624.8191	416.8818
1737.6140	**869.3106**	579.8762	15	S	10	1119.5884	560.2978	373.8676
1850.6980	925.8527	617.5709	16	L	9	1032.5564	516.7818	344.8570
1907.7195	**954.3634**	636.5780	17	G	8	919.4723	460.2398	307.1623
2035.7781	1018.3927	679.2642	18	Q	7	**862.4508**	431.7291	288.1551
2106.8152	1053.9112	702.9432	19	A	6	734.3923	367.6998	245.4689
2235.8578	1118.4325	745.9574	20	E	5	**663.3551**	332.1812	221.7899
2372.9167	**1186.9620**	**791.6437**	21	H	4	534.3126	267.6599	178.7757
2501.9593	1251.4833	834.6579	22	E	3	397.2536	199.1305	133.0894
2615.0433	1308.0253	**872.3526**	23	I	2	268.2111	134.6092	90.0752
			24	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.TERPQSSTT$_{181}$PIDSK.A/3

0.9911

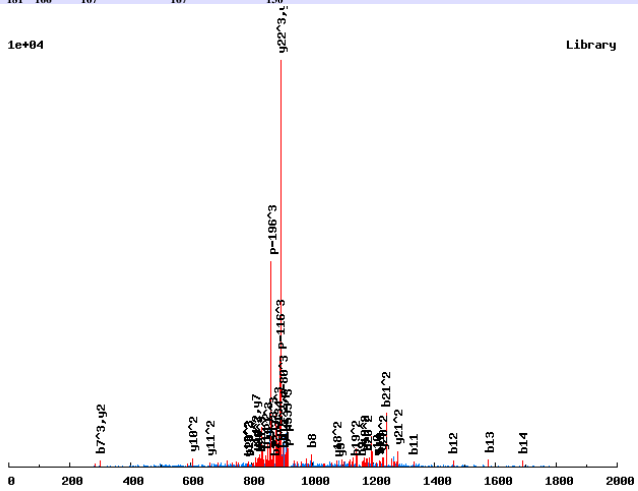


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	14			
231.0975	116.0524	77.7040	2	E	13	1525.6894	763.3483	**509.2346**
387.1987	194.1030	129.7377	3	R	12	1396.6468	**698.8270**	466.2205
484.2514	242.6293	162.0887	4	P	11	1240.5457	**620.7765**	414.1867
612.3100	306.6586	204.7749	5	Q	10	1143.4929	572.2501	381.8358
699.3420	**350.1747**	**233.7855**	6	S	9	**1015.4343**	**508.2208**	339.1496
786.3741	**393.6907**	262.7962	7	S	8	**928.4023**	**464.7048**	310.1390
887.4217	**444.2145**	296.4788	8	T	7	**841.3703**	**421.1888**	**281.1283**
1068.4358	**534.7215**	356.8168	9	T[181]	6	740.3226	**370.6649**	247.4457
1165.4885	583.2479	389.1677	10	P	5	**559.3086**	**280.1579**	187.1077
1278.5726	**639.7899**	**426.8624**	11	I	4	**462.2558**	**231.6316**	154.7568
1393.5995	**697.3034**	**465.2047**	12	D	3	**349.1718**	175.0895	117.0621
1480.6315	740.8194	**494.2154**	13	S	2	**234.1448**	117.5761	78.7198
			14	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.TEVDT$_{181}$R$_{166}$DSS$_{167}$GDEIDNS$_{167}$DHGSDFK$_{136}$.D/3

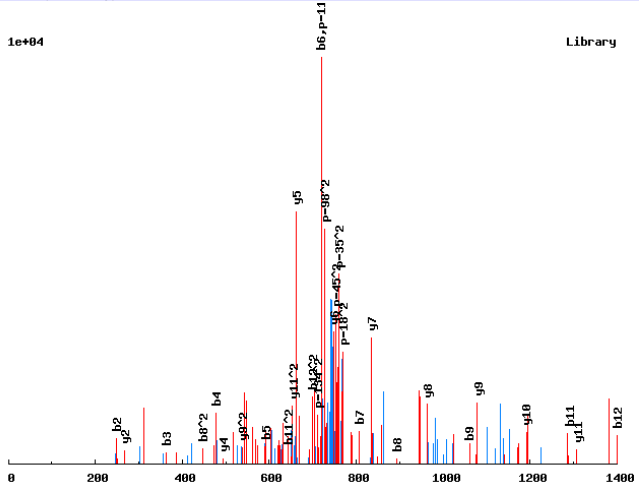
0.6842



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	23			
231.0975	116.0524	77.7040	2	E	22	2682.9236	1341.9655	**894.9794**
330.1660	165.5866	110.7268	3	V	21	2553.8810	**1277.4442**	**851.9652**
445.1929	223.1001	149.0692	4	D	20	2454.8126	**1227.9100**	**818.9424**
626.2069	313.6071	209.4072	5	T[181]	19	2339.7857	**1170.3965**	780.6001
792.3163	396.6618	264.7770	6	R[166]	18	2158.7717	**1079.8895**	720.2621
907.3432	454.1753	**303.1193**	7	D	17	1992.6623	996.8348	664.8923
994.3753	497.6913	332.1299	8	S	16	1877.6354	939.3213	626.5500
1161.3736	581.1905	387.7961	9	S[167]	15	1790.6033	**895.8053**	597.5393
1218.3951	609.7012	406.8032	10	G	14	1623.6050	**812.3061**	541.8732
1333.4220	667.2147	445.1455	11	D	13	1566.5835	**783.7954**	522.8660
1462.4646	731.7359	488.1597	12	E	12	1451.5566	726.2819	484.5237
1575.5487	788.2780	525.8544	13	I	11	1322.5140	**661.7606**	441.5095
1690.5756	**845.7914**	564.1967	14	D	10	**1209.4299**	**605.2186**	403.8148
1804.6185	**902.8129**	602.2110	15	N	9	**1094.4030**	547.7051	365.4725
1971.6169	986.3121	657.8772	16	S[167]	8	980.3601	490.6837	327.4582
2086.6438	1043.8256	696.2195	17	D	7	**813.3617**	407.1845	271.7921
2223.7028	1112.3550	741.9058	18	H	6	698.3347	349.6710	233.4498
2280.7242	**1140.8657**	760.9129	19	G	5	561.2758	281.1416	187.7635
2367.7562	**1184.3818**	**789.9236**	20	S	4	504.2544	252.6308	168.7563
2482.7832	**1241.8952**	**828.2659**	21	D	3	417.2223	209.1148	139.7456
2629.8516	1315.4294	**877.2887**	22	F	2	**302.1954**	151.6013	101.4033
			23	K[136]	1	155.1270	78.0671	52.3805

K.TFIDLESSS$_{167}$PELK$_{136}$.A/2

0.9999

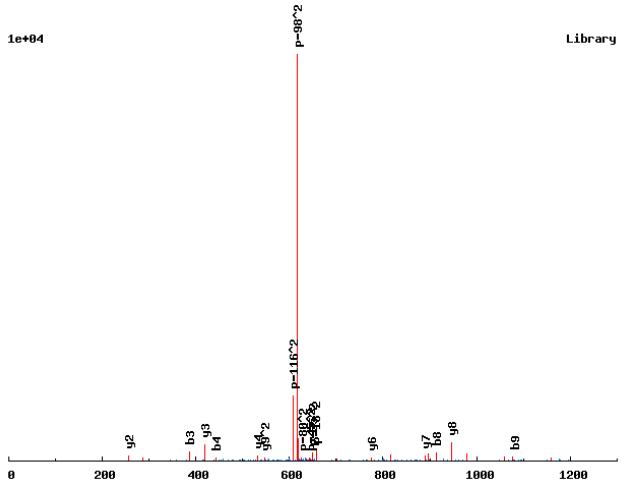


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	13		
249.1234	125.0653	2	F	12	1452.6749	726.8411
362.2074	181.6074	3	I	11	**1305.6065**	**653.3069**
477.2344	239.1208	4	D	10	**1192.5224**	596.7648
590.3184	295.6629	5	L	9	**1077.4955**	**539.2514**
719.3610	360.1842	6	E	8	**964.4114**	482.7094
806.3931	403.7002	7	S	7	**835.3688**	418.1881
893.4251	**447.2162**	8	S	6	**748.3368**	374.6720
1060.4234	530.7154	9	S[167]	5	**661.3048**	331.1560
1157.4762	579.2417	10	P	4	**494.3064**	247.6568
1286.5188	**643.7630**	11	E	3	397.2536	199.1305
1399.6029	**700.3051**	12	L	2	**268.2111**	134.6092
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$GFGNNEIYTK$_{136}$.S/2

0.9998

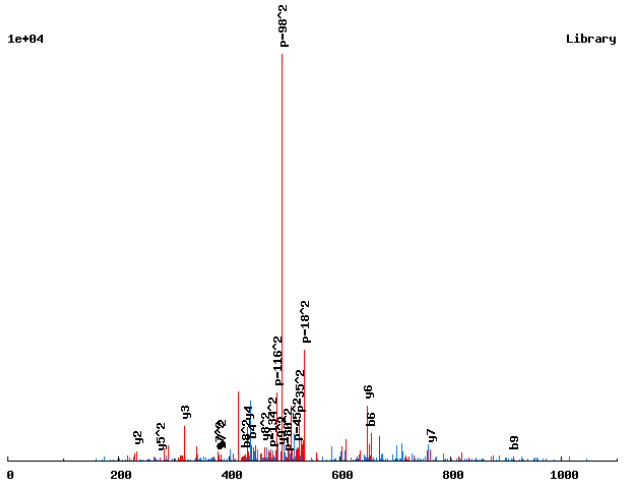


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	11		
239.0428	120.0250	2	G	10	1150.5618	575.7846
386.1112	193.5592	3	F	9	1093.5404	**547.2738**
443.1326	222.0700	4	G	8	**946.4720**	473.7396
557.1756	279.0914	5	N	7	**889.4505**	445.2289
671.2185	336.1129	6	N	6	**775.4076**	388.2074
800.2611	400.6342	7	E	5	661.3647	331.1860
913.3451	457.1762	8	I	4	**532.3221**	266.6647
1076.4085	538.7079	9	Y	3	**419.2380**	210.1226
1177.4561	589.2317	10	T	2	**256.1747**	128.5910
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.TGS$_{167}$LTDLSGR.R/2

0.9663

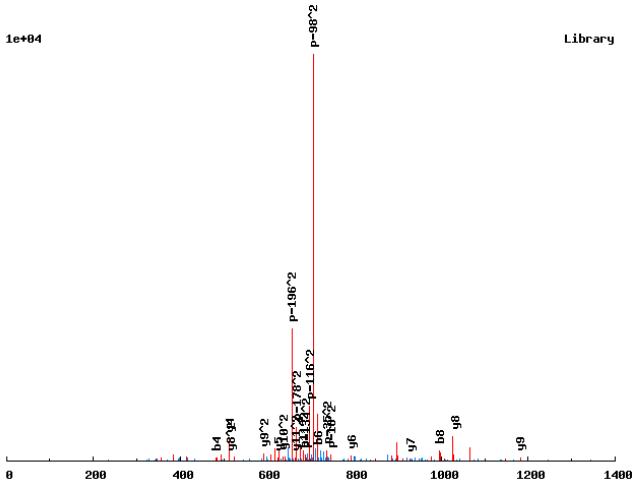


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	10		
159.0764	80.0419	2	G	9	985.4350	**493.2211**
326.0748	163.5410	3	S[167]	8	928.4135	**464.7104**
439.1588	220.0831	4	L	7	**761.4152**	**381.2112**
540.2065	270.6069	5	T	6	**648.3311**	324.6692
655.2335	328.1204	6	D	5	547.2834	**274.1454**
768.3175	**384.6624**	7	L	4	**432.2565**	216.6319
855.3496	**428.1784**	8	S	3	**319.1724**	160.0899
912.3710	456.6891	9	G	2	**232.1404**	116.5738
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$GSRPHS$_{167}$IS$_{167}$PTK.I/2

0.9487

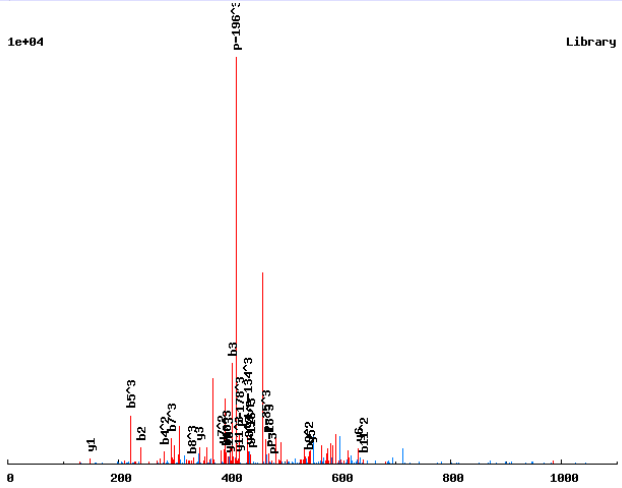


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	12		
239.0428	120.0250	2	G	11	1326.5603	**663.7838**
326.0748	163.5410	3	S	10	1269.5388	**635.2731**
482.1759	241.5916	4	R	9	**1182.5068**	**591.7570**
579.2287	290.1180	5	P	8	**1026.4057**	**513.7065**
716.2876	358.6474	6	H	7	**929.3529**	465.1801
883.2859	442.1466	7	S[167]	6	**792.2940**	396.6507
996.3700	498.6886	8	I	5	**625.2957**	313.1515
1163.3683	582.1878	9	S[167]	4	**512.2116**	256.6094
1260.4211	630.7142	10	P	3	345.2132	173.1103
1361.4688	**681.2380**	11	T	2	248.1605	124.5839
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$GS$_{167}$RPHSISPTK.I/3

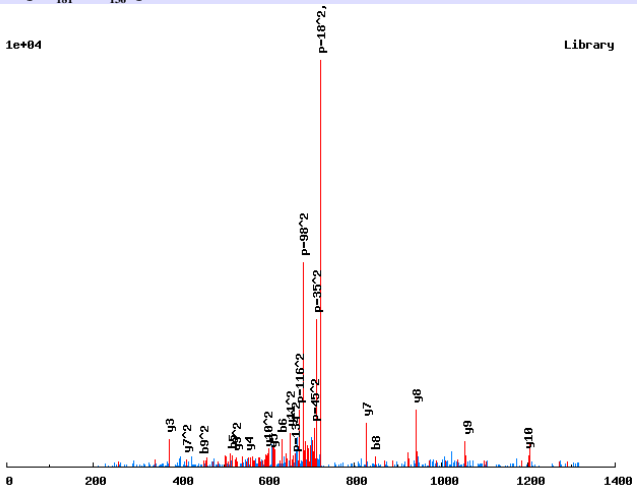
0.7177



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	12			
239.0428	120.0250	80.3524	2	G	11	1246.5940	623.8006	**416.2028**
406.0411	203.5242	136.0186	3	S[167]	10	1189.5725	595.2899	**397.1957**
562.1422	**281.5748**	188.0523	4	R	9	1022.5741	511.7907	341.5296
659.1950	330.1011	**220.4032**	5	P	8	866.4730	**433.7402**	289.4959
796.2539	398.6306	266.0895	6	H	7	769.4203	**385.2138**	257.1449
883.2859	442.1466	**295.1002**	7	S	6	**632.3614**	316.6843	211.4586
996.3700	498.6886	**332.7948**	8	I	5	**545.3293**	273.1683	182.4480
1083.4020	**542.2046**	361.8055	9	S	4	**432.2453**	216.6263	144.7533
1180.4548	590.7310	**394.1564**	10	P	3	**345.2132**	173.1103	115.7426
1281.5025	**641.2549**	427.8390	11	T	2	248.1605	124.5839	83.3917
			12	K	1	**147.1128**	74.0600	49.7091

K.TGTFINSQGT$_{181}$GYK$_{136}$.Q/2

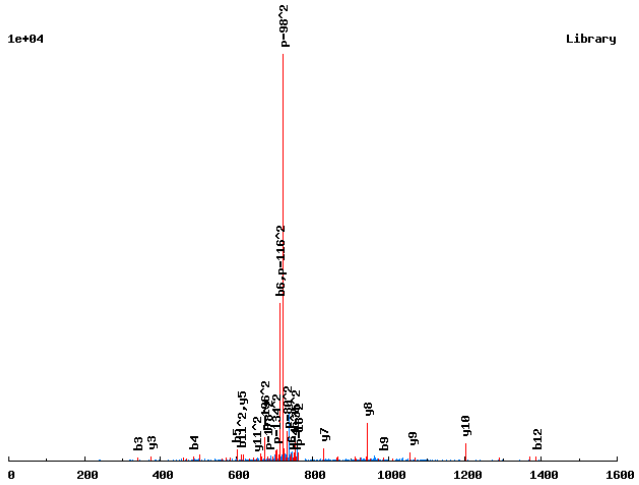
0.9816



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	13		
159.0764	80.0419	2	G	12	1360.6024	680.8048
260.1241	130.5657	3	T	11	1303.5810	**652.2941**
407.1925	204.0999	4	F	10	**1202.5333**	**601.7703**
520.2766	260.6419	5	I	9	**1055.4649**	**528.2361**
634.3195	317.6634	6	N	8	**942.3808**	471.6940
721.3515	361.1794	7	S	7	**828.3379**	**414.6726**
849.4101	425.2087	8	Q	6	741.3058	371.1566
906.4316	**453.7194**	9	G	5	**613.2473**	307.1273
1087.4456	544.2264	10	T[181]	4	**556.2258**	278.6165
1144.4670	572.7372	11	G	3	**375.2118**	188.1095
1307.5304	654.2688	12	Y	2	318.1903	159.5988
		13	K[136]	1	155.1270	78.0671

K.T$_{181}$GTFINSQGT$_{181}$GYK$_{136}$.Q/2

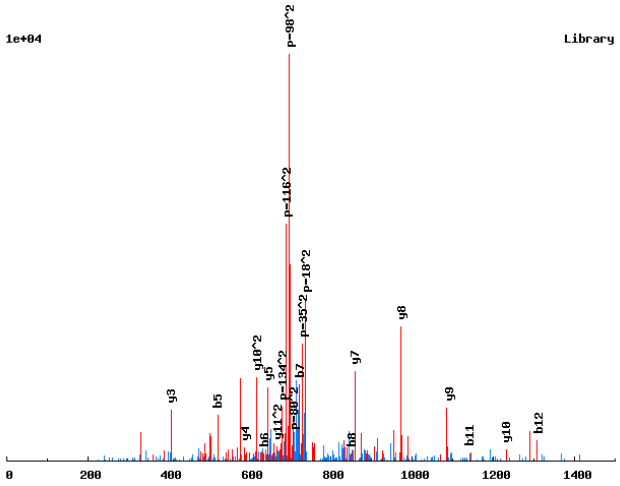
0.9993



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	13		
239.0428	120.0250	2	G	12	1360.6024	680.8048
340.0904	170.5489	3	T	11	1303.5810	**652.2941**
487.1588	244.0831	4	F	10	**1202.5333**	601.7703
600.2429	300.6251	5	I	9	**1055.4649**	528.2361
714.2858	357.6466	6	N	8	**942.3808**	471.6940
801.3179	401.1626	7	S	7	**828.3379**	414.6726
929.3764	465.1919	8	Q	6	**741.3058**	371.1566
986.3979	493.7026	9	G	5	**613.2473**	307.1273
1167.4119	584.2096	10	T[181]	4	556.2258	278.6165
1224.4334	**612.7203**	11	G	3	**375.2118**	188.1095
1387.4967	694.2520	12	Y	2	318.1903	159.5988
		13	K[136]	1	155.1270	78.0671

K.TGTFINSQGT$_{181}$GYR$_{166}$.Q/2

0.9951

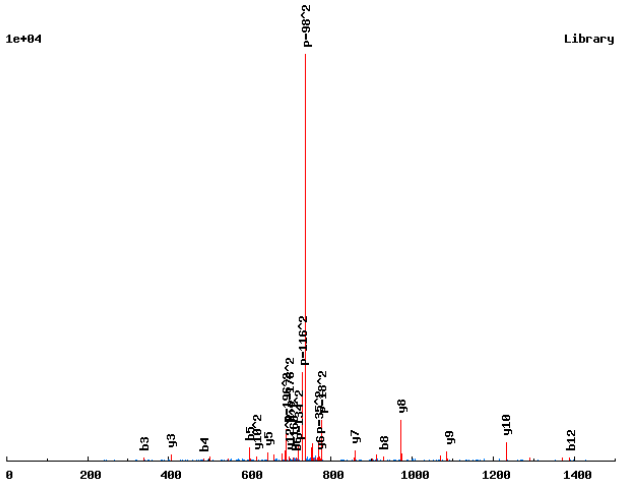


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	13		
159.0764	80.0419	2	G	12	1390.6026	695.8050
260.1241	130.5657	3	T	11	1333.5812	**667.2942**
407.1925	204.0999	4	F	10	**1232.5335**	**616.7704**
520.2766	260.6419	5	I	9	**1085.4651**	543.2362
634.3195	317.6634	6	N	8	**972.3810**	486.6942
721.3515	361.1794	7	S	7	**858.3381**	429.6727
849.4101	425.2087	8	Q	6	771.3061	386.1567
906.4316	453.7194	9	G	5	**643.2475**	322.1274
1087.4456	544.2264	10	T[181]	4	**586.2260**	293.6167
1144.4670	572.7372	11	G	3	**405.2120**	203.1096
1307.5304	654.2688	12	Y	2	348.1905	174.5989
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$GTFINSQGT$_{181}$GYR$_{166}$.Q/2

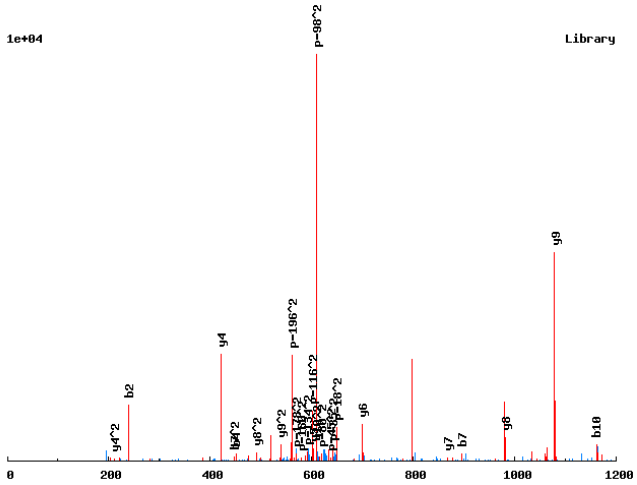
0.9996



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	13		
239.0428	120.0250	2	G	12	1390.6026	**695.8050**
340.0904	170.5489	3	T	11	1333.5812	667.2942
487.1588	244.0831	4	F	10	**1232.5335**	**616.7704**
600.2429	300.6251	5	I	9	**1085.4651**	543.2362
714.2858	357.6466	6	N	8	**972.3810**	486.6942
801.3179	401.1626	7	S	7	**858.3381**	429.6727
929.3764	465.1919	8	Q	6	**771.3061**	386.1567
986.3979	493.7026	9	G	5	**643.2475**	322.1274
1167.4119	584.2096	10	T[181]	4	586.2260	293.6167
1224.4334	612.7203	11	G	3	**405.2120**	203.1096
1387.4967	694.2520	12	Y	2	348.1905	174.5989
		13	R[166]	1	185.1272	93.0672

K.THPNS$_{167}$PT$_{181}$PGIK$_{136}$.A/2

0.98

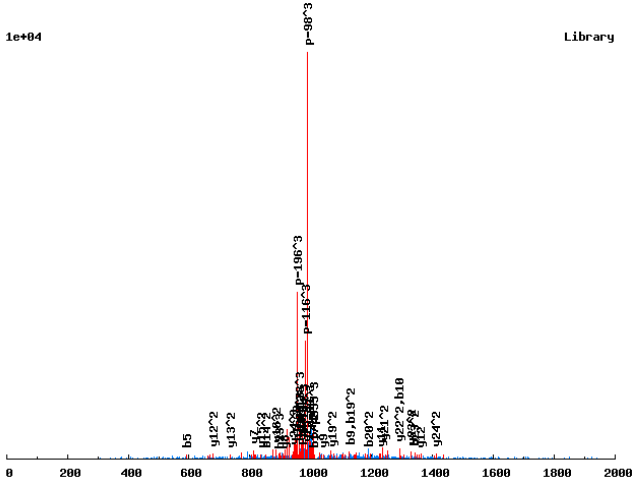


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
239.1139	120.0606	2	H	10	1215.5050	**608.2561**
336.1666	168.5870	3	P	9	**1078.4461**	**539.7267**
450.2096	225.6084	4	N	8	**981.3933**	**491.2003**
617.2079	309.1076	5	S[167]	7	**867.3504**	434.1788
714.2607	357.6340	6	P	6	**700.3521**	350.6797
895.2747	**448.1410**	7	T[181]	5	**603.2993**	302.1533
992.3275	496.6674	8	P	4	**422.2853**	**211.6463**
1049.3489	525.1781	9	G	3	325.2325	163.1199
1162.4330	581.7201	10	I	2	268.2111	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.THS$_{167}$ADRS$_{167}$PLS$_{167}$VQADEADEVHNADNSR.F/3

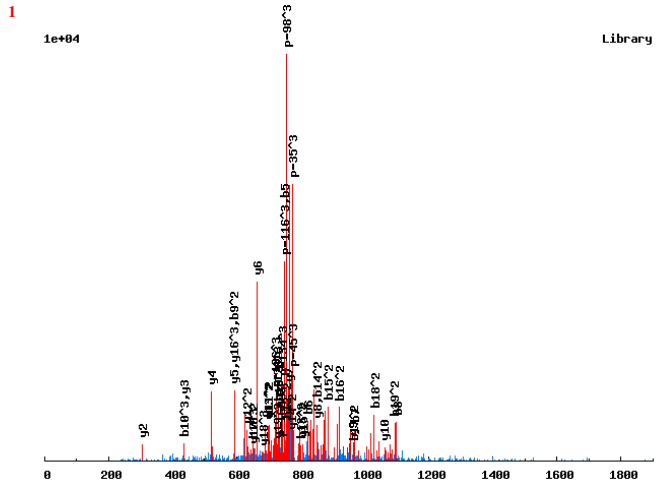
0.6614



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	26			
239.1139	120.0606	80.3761	2	H	25	2960.1245	1480.5659	**987.3797**
406.1122	203.5598	136.0423	3	S[167]	24	2823.0655	**1412.0364**	**941.6934**
477.1493	239.0783	159.7213	4	A	23	2656.0672	**1328.5372**	886.0272
592.1763	296.5918	198.0636	5	D	22	2585.0301	**1293.0187**	862.3482
748.2774	374.6423	250.0973	6	R	21	2470.0031	**1235.5052**	824.0059
915.2758	458.1415	305.7634	7	S[167]	20	2313.9020	1157.4547	771.9722
1012.3285	506.6679	338.1144	8	P	19	2146.9037	**1073.9555**	716.3061
1125.4126	563.2099	375.8090	9	L	18	2049.8509	1025.4291	683.9552
1292.4109	646.7091	431.4752	10	S[167]	17	1936.7668	**968.8871**	646.2605
1391.4793	696.2433	464.4980	11	V	16	1769.7685	**885.3879**	590.5943
1519.5379	760.2726	507.1842	12	Q	15	1670.7001	**835.8537**	557.5715
1590.5750	795.7912	530.8632	13	A	14	1542.6415	771.8244	514.8854
1705.6020	**853.3046**	569.2055	14	D	13	1471.6044	**736.3058**	491.2063
1834.6446	917.8259	612.2197	15	E	12	**1356.5774**	**678.7924**	452.8640
1905.6817	**953.3445**	635.8987	16	A	11	**1227.5348**	614.2711	409.8498
2020.7086	**1010.8579**	674.2411	17	D	10	1156.4977	578.7525	386.1708
2149.7512	1075.3792	717.2553	18	E	9	**1041.4708**	521.2390	347.8285
2248.8196	**1124.9134**	750.2781	19	V	8	**912.4282**	456.7177	304.8143
2385.8785	**1193.4429**	795.9644	20	H	7	**813.3598**	407.1835	271.7915
2499.9215	1250.4644	833.9787	21	N	6	676.3009	338.6541	226.1052
2570.9586	1285.9829	857.6577	22	A	5	562.2580	281.6326	188.0908
2685.9855	**1343.4964**	**896.0000**	23	D	4	491.2208	246.1141	164.4118
2800.0284	1400.5179	934.0143	24	N	3	376.1939	188.6006	126.0695
2887.0605	1444.0339	**963.0250**	25	S	2	262.1510	131.5791	88.0552
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$HST$_{181}$YAFESNTNSVAASQMR.N/3

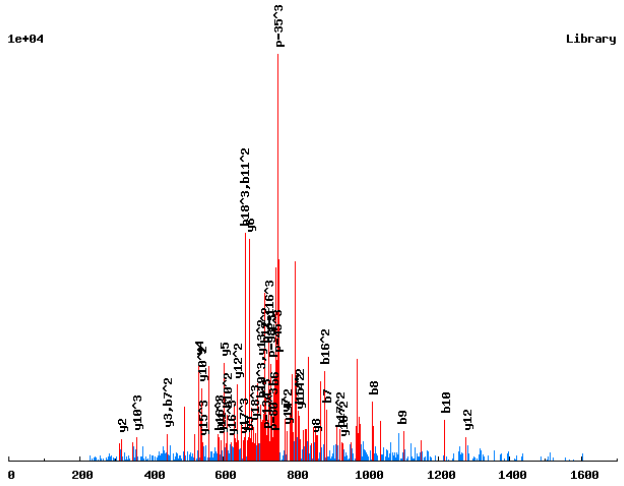


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	20			
319.0802	160.0437	107.0316	2	H	19	2180.9067	1090.9570	**727.6404**
406.1122	203.5598	136.0423	3	S	18	2043.8478	1022.4275	**681.9541**
587.1262	294.0668	196.3803	4	T[181]	17	1956.8157	978.9115	**652.9434**
750.1896	375.5984	250.7347	5	Y	16	1775.8017	888.4045	**592.6054**
821.2267	411.1170	274.4137	6	A	15	1612.7384	**806.8728**	538.2510
968.2951	484.6512	323.4366	7	F	14	1541.7013	**771.3543**	514.5719
1097.3377	549.1725	366.4507	8	E	13	1394.6329	**697.8201**	465.5491
1184.3697	**592.6885**	395.4614	9	S	12	1265.5903	**633.2988**	422.5349
1298.4126	**649.7100**	**433.4757**	10	N	11	1178.5582	589.7828	393.5243
1399.4603	**700.2338**	467.1583	11	T	10	**1064.5153**	532.7613	355.5100
1513.5033	**757.2553**	505.1726	12	N	9	**963.4676**	482.2375	321.8274
1600.5353	**800.7713**	534.1833	13	S	8	**849.4247**	425.2160	283.8131
1699.6037	**850.3055**	567.2061	14	V	7	**762.3927**	381.7000	254.8024
1770.6408	**885.8240**	590.8851	15	A	6	**663.3243**	332.1658	221.7796
1841.6779	**921.3426**	614.5642	16	A	5	**592.2872**	296.6472	198.1006
1928.7099	**964.8586**	643.5748	17	S	4	**521.2501**	261.1287	174.4215
2056.7685	**1028.8879**	686.2610	18	Q	3	**434.2180**	217.6126	145.4109
2187.8090	**1094.4081**	**729.9412**	19	M	2	**306.1594**	153.5834	102.7247
			20	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.THSTY$_{243}$AFESNTNSVAASQMR$_{166}$.N/3

0.9201

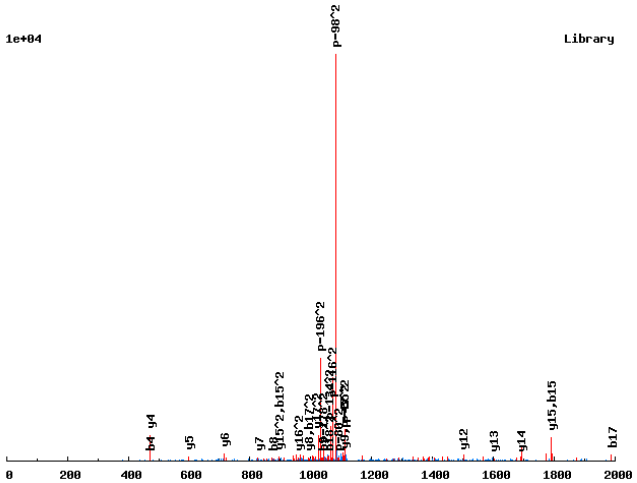


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	20			
239.1139	120.0606	80.3761	2	H	19	2190.9149	1095.9611	730.9765
326.1459	163.5766	109.3868	3	S	18	2053.8560	1027.4317	**685.2902**
427.1936	214.1004	143.0694	4	T	17	1966.8240	983.9156	**656.2795**
670.2232	335.6153	224.0793	5	Y[243]	16	1865.7763	**933.3918**	**622.5970**
741.2604	371.1338	247.7583	6	A	15	1622.7467	**811.8770**	**541.5871**
888.3288	**444.6680**	296.7811	7	F	14	1551.7095	**776.3584**	517.9080
1017.3714	509.1893	339.7953	8	E	13	1404.6411	**702.8242**	468.8852
1104.4034	552.7053	368.8060	9	S	12	**1275.5985**	**638.3029**	425.8710
1218.4463	**609.7268**	406.8203	10	N	11	1188.5665	**594.7869**	396.8604
1319.4940	**660.2506**	440.5029	11	T	10	1074.5236	**537.7654**	**358.8460**
1433.5369	**717.2721**	478.5172	12	N	9	973.4759	487.2416	325.1635
1520.5690	760.7881	507.5278	13	S	8	**859.4330**	430.2201	287.1492
1619.6374	**810.3223**	540.5506	14	V	7	**772.4009**	386.7041	258.1385
1690.6745	845.8409	564.2297	15	A	6	**673.3325**	337.1699	225.1157
1761.7116	**881.3594**	**587.9087**	16	A	5	**602.2954**	301.6514	201.4367
1848.7436	**924.8754**	616.9194	17	S	4	**531.2583**	266.1328	177.7576
1976.8022	988.9047	**659.6056**	18	Q	3	**444.2263**	222.6168	148.7469
2107.8427	1054.4250	**703.2857**	19	M	2	**316.1677**	158.5875	106.0608
			20	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.TIEQTSVNS$_{167}$NNS$_{167}$INKPVQK.T/2

0.9959

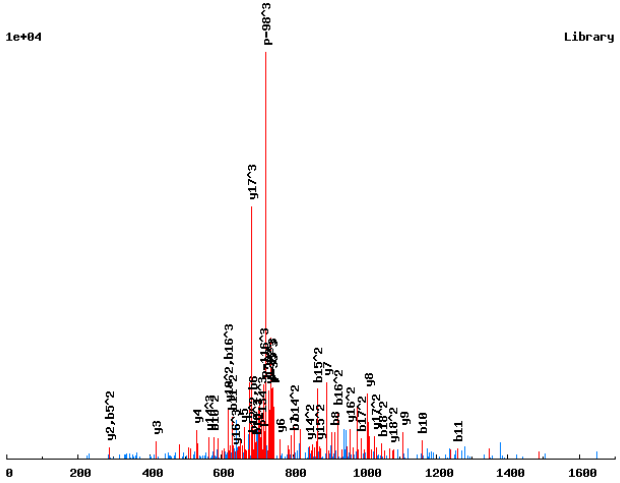


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	19		
215.1390	108.0731	2	I	18	2159.9734	1080.4903
344.1816	172.5944	3	E	17	2046.8893	**1023.9483**
472.2402	236.6237	4	Q	16	1917.8467	**959.4270**
573.2879	287.1476	5	T	15	**1789.7881**	**895.3977**
660.3199	330.6636	6	S	14	**1688.7405**	844.8739
759.3883	380.1978	7	V	13	**1601.7084**	801.3579
873.4312	437.2193	8	N	12	**1502.6400**	751.8236
1040.4296	520.7184	9	S[167]	11	1388.5971	694.8022
1154.4725	577.7399	10	N	10	1221.5987	611.3030
1268.5155	634.7614	11	N	9	**1107.5558**	554.2815
1435.5138	718.2606	12	S[167]	8	**993.5129**	497.2601
1548.5979	774.8026	13	I	7	**826.5145**	413.7609
1662.6408	831.8240	14	N	6	**713.4304**	357.2189
1790.7358	**895.8715**	15	K	5	**599.3875**	300.1974
1887.7885	944.3979	16	P	4	**471.2926**	236.1499
1986.8569	**993.9321**	17	V	3	374.2398	187.6235
2114.9155	**1057.9614**	18	Q	2	275.1714	138.0893
		19	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.TIHS$_{167}$GLDIDKVDETMDEIR.E/3

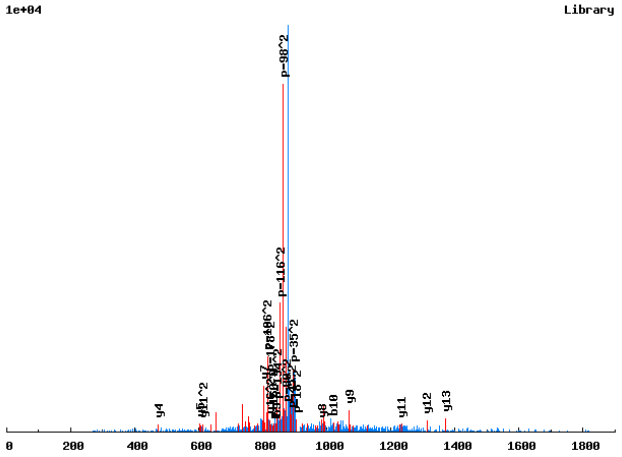
0.9984



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	19			
215.1390	108.0731	72.3845	2	I	18	2165.9784	**1083.4928**	722.6643
352.1979	176.6026	118.0708	3	H	17	2052.8943	**1026.9508**	**684.9696**
519.1963	260.1018	173.7370	4	S[167]	16	1915.8354	**958.4214**	**639.2833**
576.2178	**288.6125**	192.7441	5	G	15	1748.8371	**874.9222**	583.6172
689.3018	345.1545	230.4388	6	L	14	1691.8156	**846.4114**	**564.6101**
804.3288	402.6680	268.7811	7	D	13	1578.7315	789.8694	526.9154
917.4128	459.2100	306.4758	8	I	12	1463.7046	**732.3559**	488.5731
1032.4398	516.7235	344.8181	9	D	11	1350.6205	675.8139	450.8784
1160.5347	**580.7710**	387.5164	10	K	10	1235.5936	**618.3004**	412.5361
1259.6031	**630.3052**	420.5392	11	V	9	**1107.4986**	554.2530	369.8377
1374.6301	**687.8187**	458.8815	12	D	8	**1008.4302**	504.7188	336.8149
1503.6727	752.3400	501.8957	13	E	7	**893.4033**	447.2053	298.4726
1604.7203	**802.8638**	535.5783	14	T	6	**764.3607**	382.6840	255.4584
1735.7608	**868.3841**	579.2585	15	M	5	**663.3130**	332.1602	221.7759
1850.7878	**925.8975**	**617.6008**	16	D	4	**532.2725**	266.6399	178.0957
1979.8304	**990.4188**	660.6150	17	E	3	**417.2456**	209.1264	139.7534
2092.9144	**1046.9608**	**698.3097**	18	I	2	**288.2030**	144.6051	96.7392
			19	R	1	175.1190	88.0631	59.0445

R.T$_{181}$ISAGSGVST$_{181}$PTMALNR.T/2

0.9994

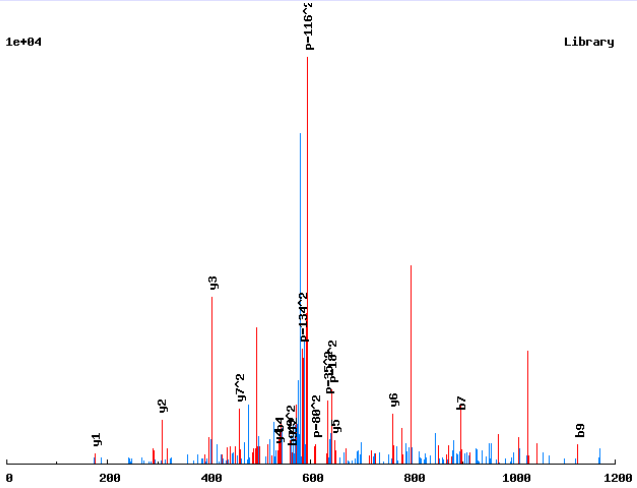


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	17		
295.1054	148.0563	2	I	16	1641.7666	**821.3869**
382.1374	191.5723	3	S	15	1528.6825	764.8449
453.1745	227.0909	4	A	14	1441.6505	721.3289
510.1960	255.6016	5	G	13	**1370.6134**	685.8103
597.2280	299.1176	6	S	12	**1313.5919**	657.2996
654.2494	327.6284	7	G	11	**1226.5599**	**613.7836**
753.3179	377.1626	8	V	10	1169.5384	585.2729
840.3499	420.6786	9	S	9	**1070.4700**	535.7387
1021.3639	511.1856	10	T[181]	8	**983.4380**	492.2226
1118.4167	559.7120	11	P	7	**802.4240**	401.7156
1219.4643	610.2358	12	T	6	705.3712	353.1893
1350.5048	675.7561	13	M	5	**604.3235**	302.6654
1421.5419	711.2746	14	A	4	**473.2831**	237.1452
1534.6260	767.8166	15	L	3	402.2459	201.6266
1648.6689	824.8381	16	N	2	289.1619	145.0846
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$ISRNNEVMR.E/2

0.6858

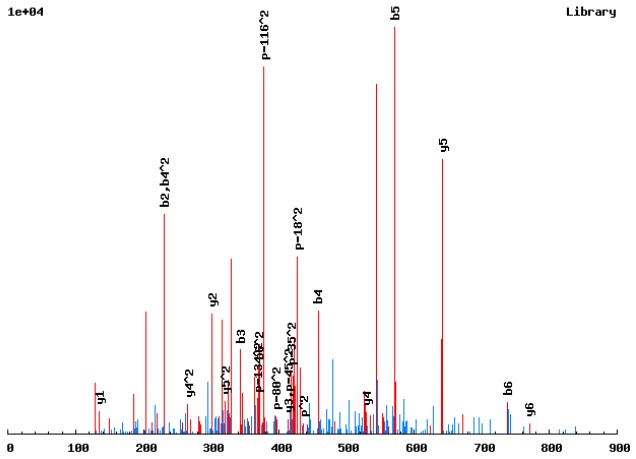


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	10		
295.1054	148.0563	2	I	9	1118.5735	**559.7904**
382.1374	191.5723	3	S	8	1005.4894	503.2484
538.2385	269.6229	4	R	7	918.4574	**459.7323**
652.2814	326.6444	5	N	6	**762.3563**	381.6818
766.3244	383.6658	6	N	5	**648.3134**	324.6603
895.3669	448.1871	7	E	4	**534.2704**	267.6389
994.4354	497.7213	8	V	3	**405.2278**	203.1176
1125.4758	**563.2416**	9	M	2	**306.1594**	153.5834
		10	R	1	**175.1190**	88.0631

Annotated spectra from Saleem et. al. 2009

K.TKLDIS$_{167}$D.-/2

0.9131

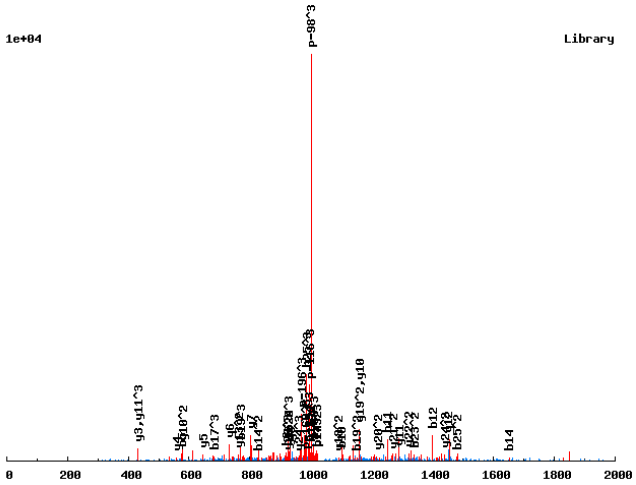


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	7		
230.1499	115.5786	2	K	6	770.3332	385.6702
343.2340	172.1206	3	L	5	642.2382	321.6227
458.2609	229.6341	4	D	4	529.1541	265.0807
571.3450	286.1761	5	I	3	414.1272	207.5672
738.3433	369.6753	6	S[167]	2	301.0431	151.0252
		7	D	1	134.0448	67.5260

Annotated spectra from Saleem et. al. 2009

K.TKNDDTNEEGFFT$_{181}$AS$_{167}$EPEEASSQPWK.S/3

0.9982

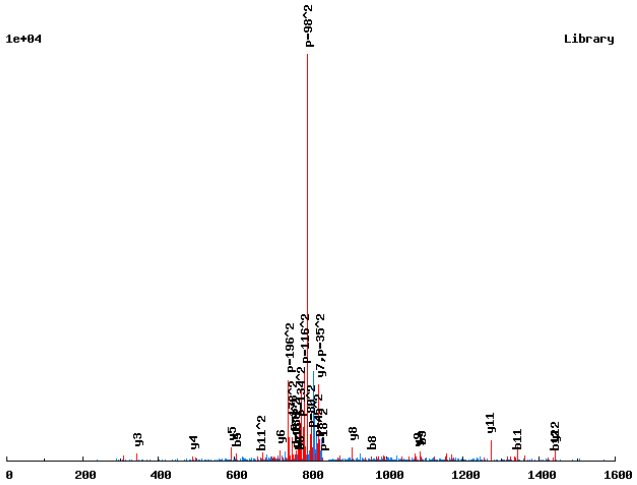


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	26			
230.1499	115.5786	77.3882	2	K	25	3003.1605	1502.0839	1001.7250
344.1928	172.6001	115.4025	3	N	24	2875.0655	**1438.0364**	**959.0267**
459.2198	230.1135	153.7448	4	D	23	2761.0226	1381.0149	**921.0124**
574.2467	287.6270	192.0871	5	D	22	2645.9956	**1323.5015**	882.6701
675.2944	338.1508	225.7697	6	T	21	2530.9687	**1265.9880**	844.3278
789.3373	395.1723	263.7840	7	N	20	2429.9210	**1215.4642**	810.6452
918.3799	459.6936	306.7982	8	E	19	2315.8781	**1158.4427**	772.6309
1047.4225	524.2149	349.8124	9	E	18	2186.8355	**1093.9214**	729.6167
1104.4440	552.7256	368.8195	10	G	17	2057.7929	1029.4001	686.6025
1251.5124	626.2598	417.8423	11	F	16	2000.7715	**1000.8894**	667.5953
1398.5808	699.7940	466.8651	12	F	15	1853.7030	**927.3552**	618.5725
1579.5948	790.3010	527.2031	13	T[181]	14	1706.6346	853.8210	569.5497
1650.6319	**825.8196**	550.8822	14	A	13	1525.6206	**763.3140**	509.2117
1817.6303	909.3188	606.5483	15	S[167]	12	**1454.5835**	727.7954	485.5327
1946.6729	973.8401	649.5625	16	E	11	**1287.5851**	644.2962	**429.8666**
2043.7256	**1022.3665**	**681.9134**	17	P	10	**1158.5426**	**579.7749**	386.8524
2172.7682	1086.8878	724.9276	18	E	9	1061.4898	531.2485	354.5015
2301.8108	**1151.4090**	**767.9418**	19	E	8	**932.4472**	466.7272	311.4873
2372.8479	1186.9276	791.6208	20	A	7	**803.4046**	402.2060	268.4731
2459.8800	1230.4436	820.6315	21	S	6	**732.3675**	366.6874	244.7940
2546.9120	1273.9596	849.6422	22	S	5	**645.3355**	323.1714	215.7833
2674.9706	**1337.9889**	892.3284	23	Q	4	**558.3035**	279.6554	186.7727
2772.0233	1386.5153	**924.6793**	24	P	3	**430.2449**	215.6261	144.0865
2958.1026	**1479.5550**	**986.7057**	25	W	2	333.1921	167.0997	111.7356
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TK$_{136}$S$_{167}$AQS$_{167}$STETFTSK$_{136}$.D/2

0.9904

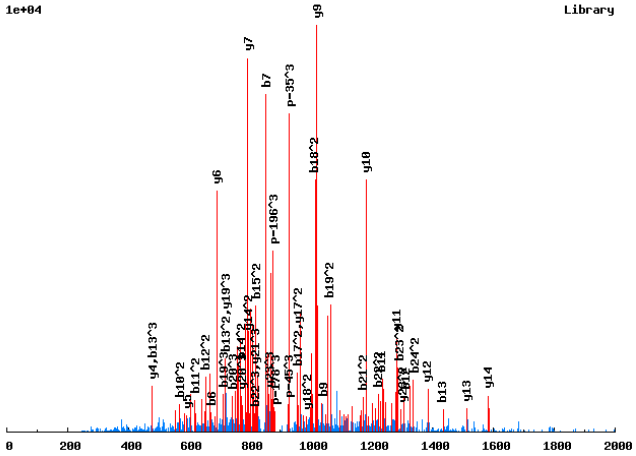


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	14		
238.1641	119.5857	2	K[136]	13	1577.6467	789.3270
405.1625	203.0849	3	S[167]	12	**1441.5375**	721.2724
476.1996	238.6034	4	A	11	**1274.5391**	637.7732
604.2582	302.6327	5	Q	10	1203.5020	602.2547
771.2565	386.1319	6	S[167]	9	**1075.4435**	538.2254
858.2886	429.6479	7	S	8	**908.4451**	454.7262
959.3362	480.1718	8	T	7	**821.4131**	411.2102
1088.3788	544.6931	9	E	6	**720.3654**	360.6863
1189.4265	595.2169	10	T	5	**591.3228**	296.1650
1336.4949	**668.7511**	11	F	4	**490.2751**	245.6412
1437.5426	719.2749	12	T	3	**343.2067**	172.1070
1524.5746	**762.7910**	13	S	2	242.1590	121.5832
		14	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.TKSGES$_{167}$T$_{181}$GKVVAETTYIDTPDTETK.K/3

0.9991

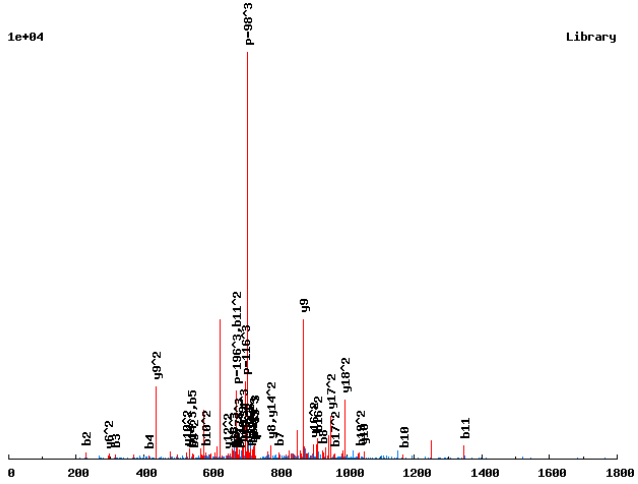


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	25			
230.1499	115.5786	77.3882	2	K	24	2717.1842	1359.0957	906.3996
317.1819	159.0946	106.3988	3	S	23	2589.0892	**1295.0482**	**863.7013**
374.2034	187.6053	125.4060	4	G	22	2502.0572	1251.5322	834.6906
503.2460	252.1266	168.4202	5	E	21	2445.0357	1223.0215	**815.6834**
670.2444	335.6258	224.0863	6	S[167]	20	2315.9931	1158.5002	**772.6692**
851.2584	426.1328	284.4243	7	T[181]	19	2148.9948	1075.0010	**717.0031**
908.2798	454.6436	303.4315	8	G	18	1967.9808	**984.4940**	656.6651
1036.3748	518.6910	346.1298	9	K	17	1910.9593	**955.9833**	637.6580
1135.4432	**568.2252**	379.1526	10	V	16	1782.8643	891.9358	594.9596
1234.5116	**617.7594**	412.1754	11	V	15	1683.7959	842.4016	561.9368
1305.5487	**653.2780**	435.8544	12	A	14	**1584.7275**	**792.8674**	528.9140
1434.5913	**717.7993**	**478.8686**	13	E	13	**1513.6904**	757.3488	505.2350
1535.6390	**768.3231**	512.5512	14	T	12	**1384.6478**	692.8275	462.2208
1636.6867	**818.8470**	546.2337	15	T	11	**1283.6001**	642.3037	428.5382
1799.7500	900.3786	600.5882	16	Y	10	**1182.5525**	591.7799	394.8557
1912.8341	**956.9207**	638.2829	17	I	9	**1019.4891**	510.2482	340.5012
2027.8610	**1014.4341**	676.6252	18	D	8	906.4051	453.7062	302.8065
2128.9087	**1064.9580**	**710.3077**	19	T	7	**791.3781**	396.1927	264.4642
2225.9614	1113.4844	**742.6587**	20	P	6	**690.3305**	345.6689	230.7817
2340.9884	**1170.9978**	781.0010	21	D	5	**593.2777**	297.1425	198.4308
2442.0361	**1221.5217**	**814.6835**	22	T	4	**478.2507**	239.6290	160.0884
2571.0787	**1286.0430**	857.6977	23	E	3	377.2031	189.1052	126.4059
2672.1263	**1336.5668**	891.3803	24	T	2	248.1605	124.5839	83.3917
			25	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TKSPEQEKS$_{167}$AT$_{181}$PPSSITAAK.T/3

0.9393

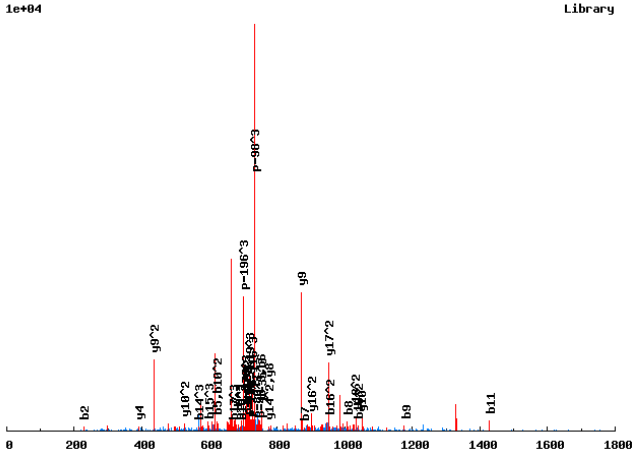


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	20			
230.1499	115.5786	77.3882	2	K	19	2116.9563	1058.9818	706.3236
317.1819	159.0946	106.3988	3	S	18	1988.8613	**994.9343**	**663.6253**
414.2347	207.6210	138.7498	4	P	17	1901.8293	**951.4183**	634.6146
543.2773	272.1423	181.7640	5	E	16	1804.7765	**902.8919**	602.2637
671.3359	336.1716	224.4501	6	Q	15	1675.7340	838.3706	559.2495
800.3785	400.6929	267.4643	7	E	14	1547.6754	**774.3413**	516.5633
928.4734	464.7404	310.1627	8	K	13	1418.6328	**709.8200**	473.5491
1095.4718	**548.2395**	365.8288	9	S[167]	12	1290.5378	**645.7726**	430.8508
1166.5089	**583.7581**	389.5078	10	A	11	1123.5395	562.2734	375.1847
1347.5229	**674.2651**	449.8458	11	T[181]	10	**1052.5024**	**526.7548**	351.5056
1444.5757	**722.7915**	482.1967	12	P	9	**871.4883**	**436.2478**	291.1676
1541.6284	771.3179	514.5477	13	P	8	**774.4356**	387.7214	258.8167
1628.6605	814.8339	**543.5583**	14	S	7	**677.3828**	339.1951	226.4658
1715.6925	858.3499	572.5690	15	S	6	590.3508	**295.6790**	197.4551
1828.7766	**914.8919**	610.2637	16	I	5	503.3188	252.1630	168.4444
1929.8242	**965.4158**	643.9463	17	T	4	390.2347	195.6210	130.7498
2000.8613	1000.9343	667.6253	18	A	3	289.1870	145.0971	97.0672
2071.8985	**1036.4529**	**691.3043**	19	A	2	218.1499	109.5786	73.3882
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TKS$_{167}$PEQEKS$_{167}$AT$_{181}$PPSSITAAK.T/3

0.9786

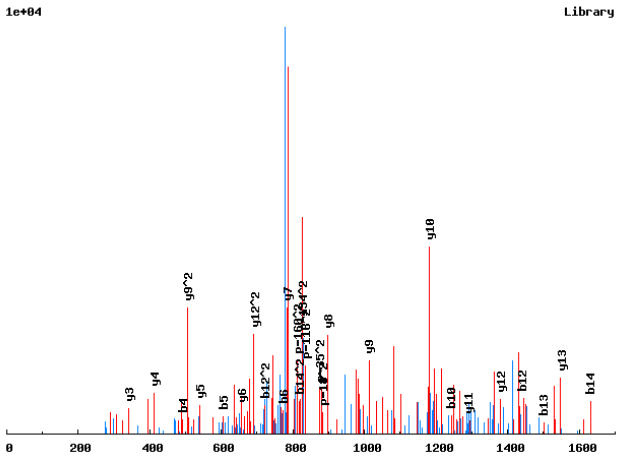


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	20			
230.1499	115.5786	77.3882	2	K	19	2196.9226	1098.9650	732.9791
397.1483	199.0778	133.0543	3	S[167]	18	2068.8277	**1034.9175**	**690.2807**
494.2010	247.6042	165.4052	4	P	17	1901.8293	**951.4183**	634.6146
623.2436	312.1255	208.4194	5	E	16	1804.7765	**902.8919**	602.2637
751.3022	376.1547	251.1056	6	Q	15	1675.7340	838.3706	559.2495
880.3448	440.6760	294.1198	7	E	14	1547.6754	**774.3413**	516.5633
1008.4398	504.7235	336.8181	8	K	13	1418.6328	**709.8200**	473.5491
1175.4381	588.2227	392.4842	9	S[167]	12	1290.5378	645.7726	430.8508
1246.4752	**623.7413**	416.1633	10	A	11	1123.5395	562.2734	375.1847
1427.4892	**714.2483**	476.5013	11	T[181]	10	**1052.5024**	**526.7548**	351.5056
1524.5420	762.7746	508.8522	12	P	9	**871.4883**	**436.2478**	291.1676
1621.5948	811.3010	541.2031	13	P	8	**774.4356**	387.7214	258.8167
1708.6268	854.8170	**570.2138**	14	S	7	**677.3828**	339.1951	226.4658
1795.6588	898.3331	**599.2245**	15	S	6	590.3508	295.6790	197.4551
1908.7429	**954.8751**	636.9191	16	I	5	503.3188	252.1630	168.4444
2009.7906	1005.3989	**670.6017**	17	T	4	**390.2347**	195.6210	130.7498
2080.8277	**1040.9175**	**694.2807**	18	A	3	289.1870	145.0971	97.0672
2151.8648	1076.4360	**717.9598**	19	A	2	218.1499	109.5786	73.3882
			20	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TK$_{136}$S$_{167}$SIS$_{167}$DNENEAGEK$_{136}$.K/2

0.9972

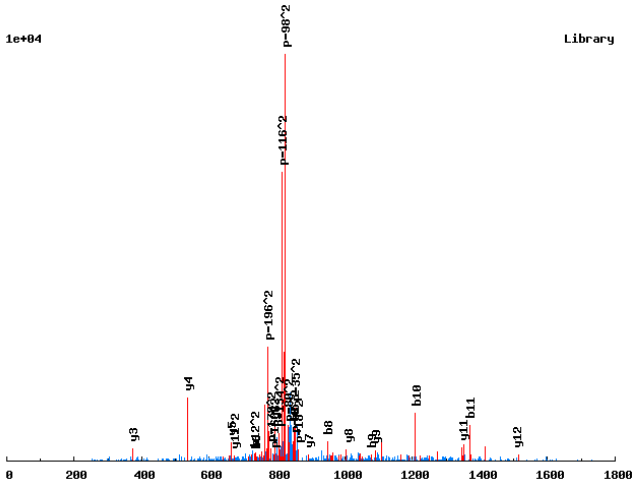


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	15		
238.1641	119.5857	2	K[136]	14	1683.6481	842.3277
405.1625	203.0849	3	S[167]	13	**1547.5390**	774.2731
492.1945	246.6009	4	S	12	**1380.5406**	**690.7739**
605.2786	303.1429	5	I	11	**1293.5086**	647.2579
772.2769	386.6421	6	S[167]	10	**1180.4245**	590.7159
887.3039	444.1556	7	D	9	**1013.4261**	**507.2167**
1001.3468	501.1770	8	N	8	**898.3992**	449.7032
1130.3894	565.6983	9	E	7	**784.3563**	392.6818
1244.4323	622.7198	10	N	6	**655.3137**	328.1605
1373.4749	687.2411	11	E	5	**541.2707**	271.1390
1444.5120	**722.7597**	12	A	4	**412.2282**	206.6177
1501.5335	751.2704	13	G	3	**341.1910**	171.0992
1630.5761	**815.7917**	14	E	2	284.1696	142.5884
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.TKS$_{167}$SS$_{167}$SLVEEYPQK.K/2

0.9054

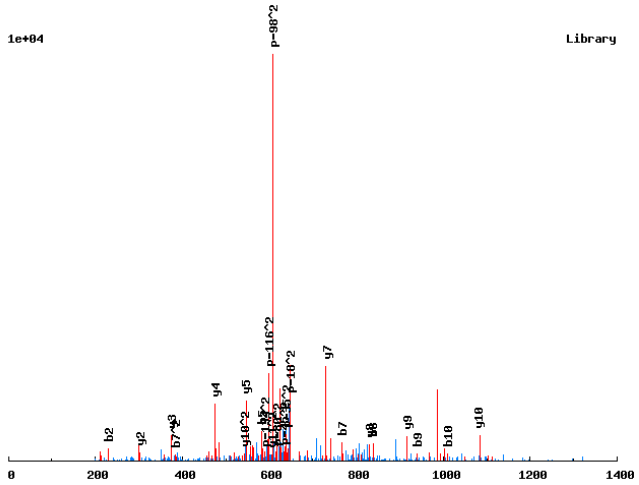


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	14		
230.1499	115.5786	2	K	13	1641.6809	821.3441
397.1483	199.0778	3	S[167]	12	**1513.5859**	757.2966
484.1803	242.5938	4	S	11	**1346.5875**	**673.7974**
651.1787	326.0930	5	S[167]	10	1259.5555	630.2814
738.2107	369.6090	6	S	9	**1092.5572**	546.7822
851.2948	426.1510	7	L	8	**1005.5251**	503.2662
950.3632	475.6852	8	V	7	**892.4411**	446.7242
1079.4058	540.2065	9	E	6	**793.3727**	397.1900
1208.4484	604.7278	10	E	5	**664.3301**	332.6687
1371.5117	686.2595	11	Y	4	**535.2875**	268.1474
1468.5644	**734.7859**	12	P	3	**372.2241**	186.6157
1596.6230	798.8152	13	Q	2	275.1714	138.0893
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.TKS$_{167}$SVALATAQR.G/2

0.9996

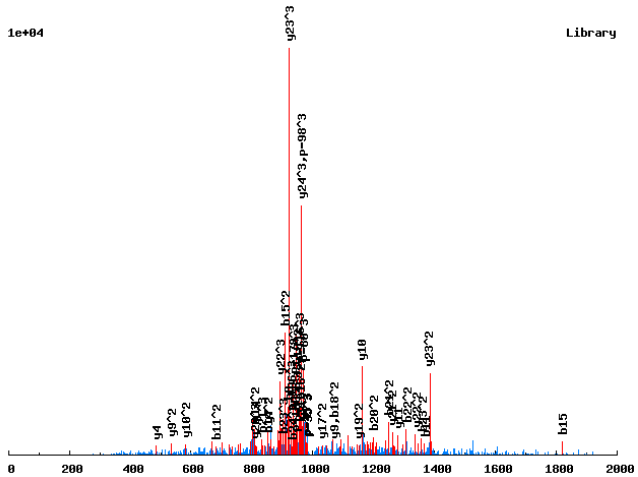


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	12		
230.1499	115.5786	2	K	11	1211.6144	**606.3108**
397.1483	199.0778	3	S[167]	10	**1083.5194**	**542.2633**
484.1803	242.5938	4	S	9	**916.5210**	458.7642
583.2487	292.1280	5	V	8	**829.4890**	415.2481
654.2858	327.6466	6	A	7	**730.4206**	365.7139
767.3699	**384.1886**	7	L	6	659.3835	330.1954
838.4070	419.7071	8	A	5	**546.2994**	273.6534
939.4547	470.2310	9	T	4	**475.2623**	238.1348
1010.4918	505.7495	10	A	3	**374.2146**	187.6110
1138.5504	569.7788	11	Q	2	**303.1775**	152.0924
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TLPFTDDQR$_{166}$S$_{167}$NPELDPTNS$_{167}$VVDVSR$_{166}$.G/3

0.7114

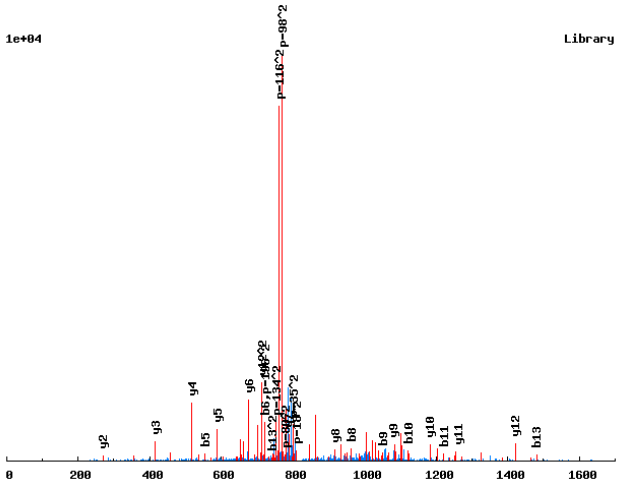


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	25			
215.1390	108.0731	72.3845	2	L	24	2881.2555	1441.1314	**961.0900**
312.1918	156.5995	104.7354	3	P	23	2768.1715	**1384.5894**	**923.3953**
459.2602	230.1337	153.7582	4	F	22	2671.1187	**1336.0630**	**891.0444**
560.3079	280.6576	187.4408	5	T	21	2524.0503	**1262.5288**	842.0216
675.3348	338.1710	225.7831	6	D	20	2423.0026	1212.0050	**808.3391**
790.3617	395.6845	264.1254	7	D	19	2307.9757	**1154.4915**	769.9967
918.4203	459.7138	306.8116	8	Q	18	2192.9488	1096.9780	731.6544
1084.5297	542.7685	362.1814	9	R[166]	17	2064.8902	**1032.9487**	688.9682
1251.5281	626.2677	417.8475	10	S[167]	16	1898.7808	**949.8940**	633.5985
1365.5710	**683.2891**	455.8619	11	N	15	1731.7824	866.3949	577.9323
1462.6238	731.8155	488.2128	12	P	14	1617.7395	**809.3734**	539.9180
1591.6664	796.3368	531.2270	13	E	13	1520.6867	760.8470	507.5671
1704.7504	**852.8788**	568.9217	14	L	12	1391.6441	696.3257	464.5529
1819.7774	**910.3923**	607.2640	15	D	11	**1278.5601**	639.7837	426.8582
1916.8301	**958.9187**	639.6149	16	P	10	**1163.5331**	**582.2702**	388.5159
2017.8778	1009.4425	673.2975	17	T	9	**1066.4804**	**533.7438**	356.1650
2131.9207	**1066.4640**	711.3118	18	N	8	**965.4327**	483.2200	322.4824
2298.9191	1149.9632	766.9779	19	S[167]	7	**851.3898**	426.1985	284.4681
2397.9875	**1199.4974**	800.0007	20	V	6	684.3914	342.6993	228.8020
2497.0559	**1249.0316**	**833.0235**	21	V	5	585.3230	293.1651	195.7792
2612.0828	**1306.5451**	871.3658	22	D	4	**486.2546**	243.6309	162.7564
2711.1513	**1356.0793**	**904.3886**	23	V	3	371.2277	186.1175	124.4141
2798.1833	1399.5953	**933.3993**	24	S	2	272.1592	136.5833	91.3913
			25	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.TLS$_{167}$ATS$_{167}$QLSATFNK$_{136}$L/2

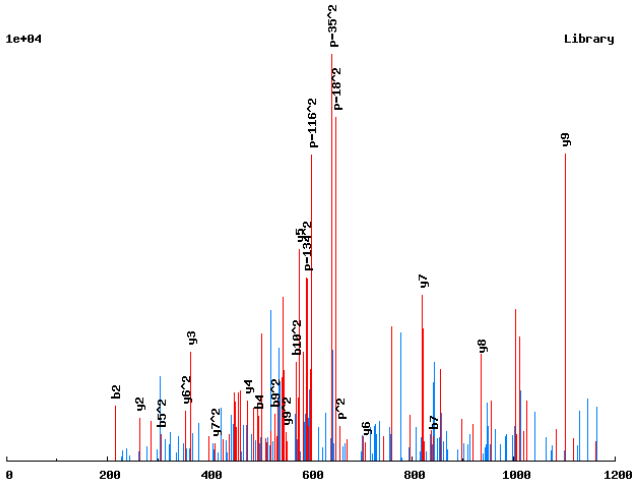
1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	14		
215.1390	108.0731	2	L	13	1535.6634	768.3353
382.1374	191.5723	3	S[167]	12	**1422.5793**	**711.7933**
453.1745	227.0909	4	A	11	**1255.5809**	628.2941
554.2222	277.6147	5	T	10	**1184.5438**	592.7756
721.2205	361.1139	6	S[167]	9	**1083.4962**	542.2517
849.2791	425.1432	7	Q	8	**916.4978**	458.7525
962.3632	481.6852	8	L	7	**788.4392**	394.7232
1049.3952	525.2012	9	S	6	**675.3552**	338.1812
1120.4323	560.7198	10	A	5	**588.3231**	294.6652
1221.4800	611.2436	11	T	4	**517.2860**	259.1466
1368.5484	684.7778	12	F	3	**416.2383**	208.6228
1482.5913	**741.7993**	13	N	2	**269.1699**	135.0886
		14	K[136]	1	155.1270	78.0671

R.TLS$_{167}$DNETITSR.K/2

0.9779

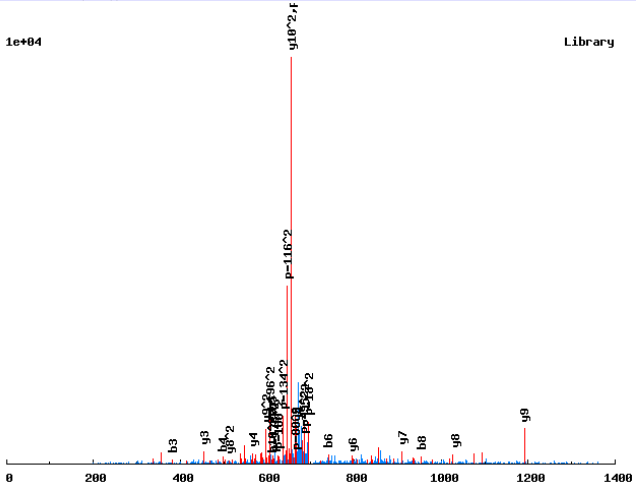


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
215.1390	108.0731	2	L	10	1215.5253	608.2663
382.1374	191.5723	3	S[167]	9	**1102.4412**	**551.7243**
497.1643	249.0858	4	D	8	**935.4429**	468.2251
611.2073	**306.1073**	5	N	7	**820.4159**	**410.7116**
740.2498	370.6286	6	E	6	**706.3730**	**353.6901**
841.2975	421.1524	7	T	5	**577.3304**	289.1688
954.3816	477.6944	8	I	4	**476.2827**	238.6450
1055.4293	**528.2183**	9	T	3	**363.1987**	182.1030
1142.4613	**571.7343**	10	S	2	**262.1510**	131.5791
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TLS$_{167}$DNETITS$_{167}$R$_{166}$.K/2

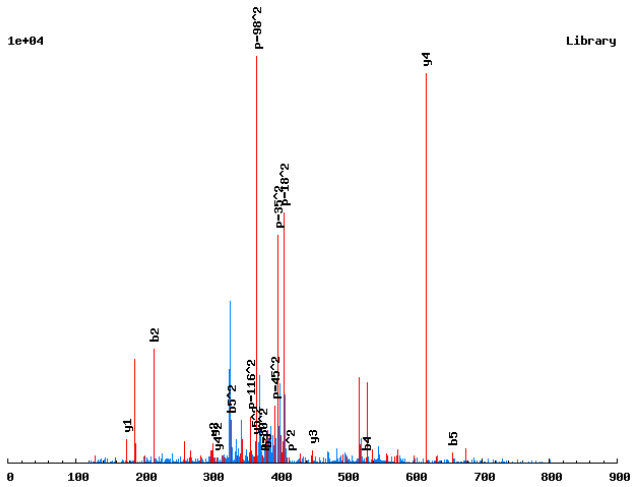
0.986



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
215.1390	108.0731	2	L	10	1305.4999	**653.2536**
382.1374	191.5723	3	S[167]	9	**1192.4158**	**596.7116**
497.1643	249.0858	4	D	8	**1025.4175**	**513.2124**
611.2073	306.1073	5	N	7	**910.3905**	455.6989
740.2498	370.6286	6	E	6	**796.3476**	398.6774
841.2975	421.1524	7	T	5	**667.3050**	334.1561
954.3816	477.6944	8	I	4	**566.2573**	283.6323
1055.4293	528.2183	9	T	3	**453.1733**	227.0903
1222.4276	**611.7175**	10	S[167]	2	352.1256	176.5664
		11	R[166]	1	185.1272	93.0672

K.TLS$_{167}$FQR.L/2

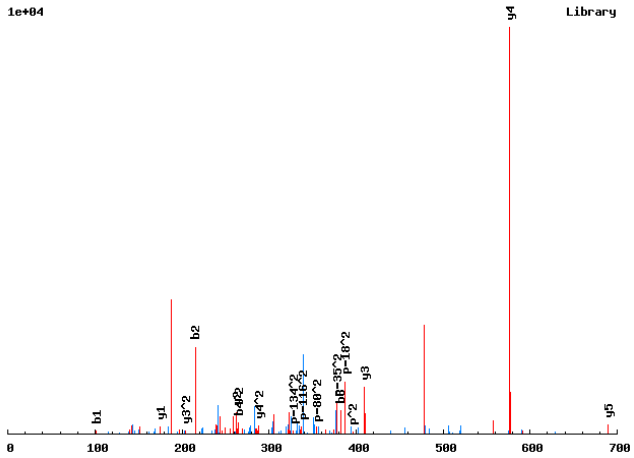
0.8922



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	6		
215.1390	108.0731	2	L	5	730.3284	**365.6678**
382.1374	191.5723	3	S[167]	4	**617.2443**	**309.1258**
529.2058	265.1065	4	F	3	**450.2459**	225.6266
657.2644	**329.1358**	5	Q	2	**303.1775**	152.0924
		6	R	1	**175.1190**	88.0631

K.TLS$_{167}$FSR.I/2

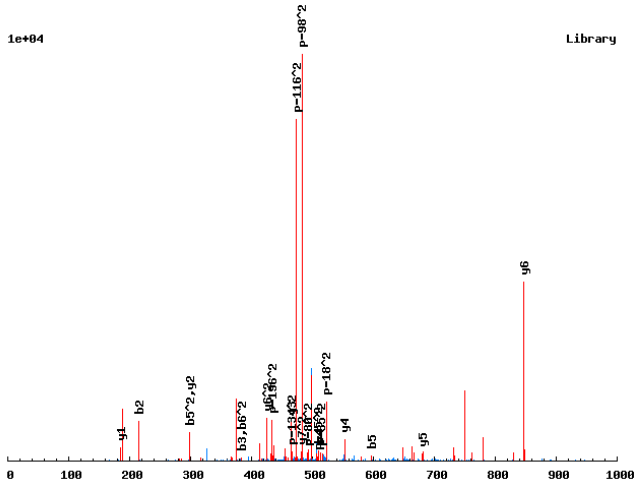
0.9451



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	**1**	**T**	**6**		
215.1390	108.0731	**2**	**L**	**5**	**689.3018**	345.1545
382.1374	191.5723	**3**	**S[167]**	**4**	**576.2178**	**288.6125**
529.2058	**265.1065**	**4**	**F**	**3**	**409.2194**	**205.1133**
616.2378	308.6226	**5**	**S**	**2**	**262.1510**	131.5791
		6	**R**	**1**	**175.1190**	88.0631

R.TLS$_{167}$QSS$_{167}$IR$_{166}$.R/2

0.9974

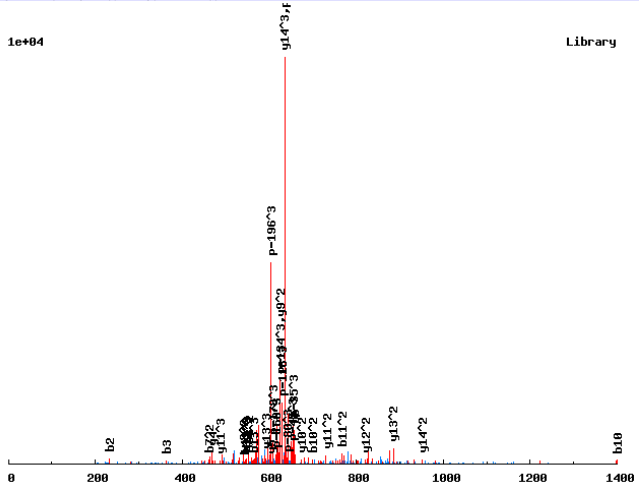


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	8		
215.1390	108.0731	2	L	7	960.3827	**480.6950**
382.1374	191.5723	3	S[167]	6	**847.2986**	**424.1529**
510.1960	255.6016	4	Q	5	**680.3003**	340.6538
597.2280	**299.1176**	5	S	4	**552.2417**	276.6245
764.2264	**382.6168**	6	S[167]	3	**465.2096**	233.1085
877.3104	439.1588	7	I	2	**298.2113**	149.6093
		8	R[166]	1	**185.1272**	93.0672

Annotated spectra from Saleem et. al. 2009

R.TMET$_{181}$DPS$_{167}$T$_{181}$R$_{166}$EK$_{136}$PGER$_{166}$.L/3

0.6031

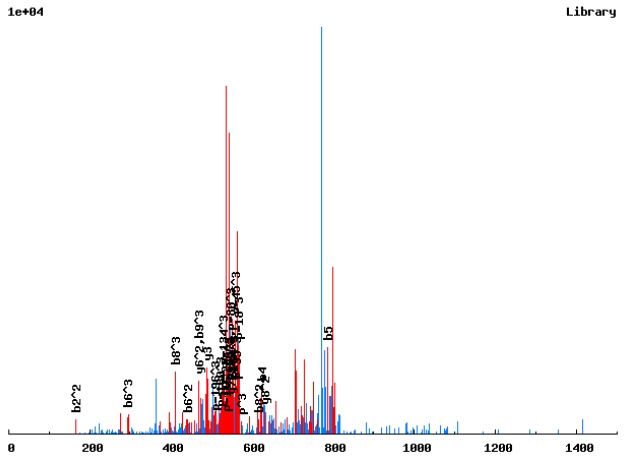


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	15			
233.0954	117.0514	78.3700	2	M	14	1900.6943	**950.8508**	**634.2363**
362.1380	181.5727	121.3842	3	E	13	1769.6538	**885.3306**	**590.5561**
543.1521	272.0797	181.7222	4	T[181]	12	1640.6112	**820.8093**	**547.5419**
658.1790	329.5931	220.0645	5	D	11	1459.5972	**730.3023**	**487.2039**
755.2318	378.1195	252.4154	6	P	10	1344.5703	**672.7888**	448.8616
922.2301	**461.6187**	308.0816	7	S[167]	9	1247.5175	**624.2624**	416.5107
1103.2441	**552.1257**	368.4196	8	T[181]	8	1080.5192	**540.7632**	360.8446
1269.3535	**635.1804**	423.7894	9	R[166]	7	899.5052	450.2562	300.5066
1398.3961	**699.7017**	466.8036	10	E	6	733.3958	367.2015	245.1368
1534.5053	**767.7563**	512.1733	11	K[136]	5	**604.3532**	302.6802	202.1226
1631.5580	816.2826	**544.5242**	12	P	4	**468.2440**	234.6257	156.7529
1688.5795	844.7934	**563.5313**	13	G	3	371.1913	186.0993	124.4019
1817.6221	909.3147	606.5455	14	E	2	314.1698	157.5885	105.3948
			15	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$M$_{147}$QS$_{167}$YPT$_{181}$S$_{167}$S$_{167}$S$_{167}$K$_{136}$.S/3

0.6892

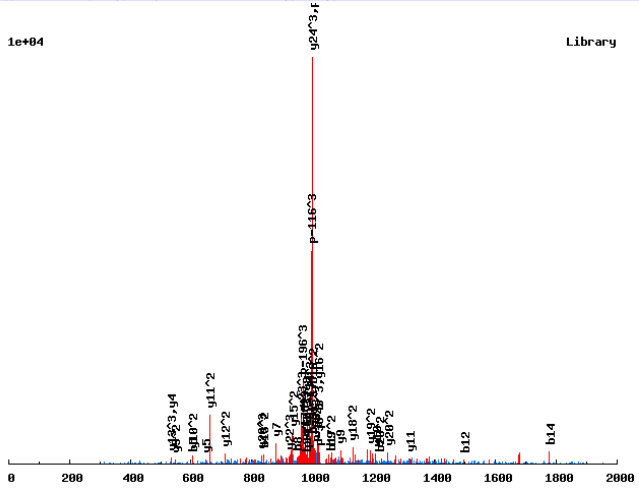


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	11			
329.0567	**165.0320**	110.3571	2	M[147]	10	1539.3445	770.1759	513.7864
457.1153	229.0613	153.0433	3	Q	9	1392.3091	696.6582	464.7746
624.1136	312.5605	208.7094	4	S[167]	8	1264.2505	**632.6289**	422.0884
787.1770	394.0921	263.0638	5	Y	7	1097.2522	**549.1297**	366.4222
884.2297	**442.6185**	**295.4148**	6	P	6	934.1889	**467.5981**	312.0678
1065.2437	**533.1255**	355.7528	7	T[181]	5	837.1361	419.0717	279.7169
1232.2421	**616.6247**	**411.4189**	8	S[167]	4	656.1221	328.5647	219.3789
1399.2405	700.1239	**467.0850**	9	S[167]	3	**489.1237**	245.0655	163.7128
1566.2388	783.6230	522.7511	10	S[167]	2	322.1254	161.5663	108.0466
			11	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.TNNC$_{160}$DDNNDS$_{167}$K$_{136}$ET$_{181}$VNLDVTEDDK$_{136}$QK$_{136}$-/3

0.9817

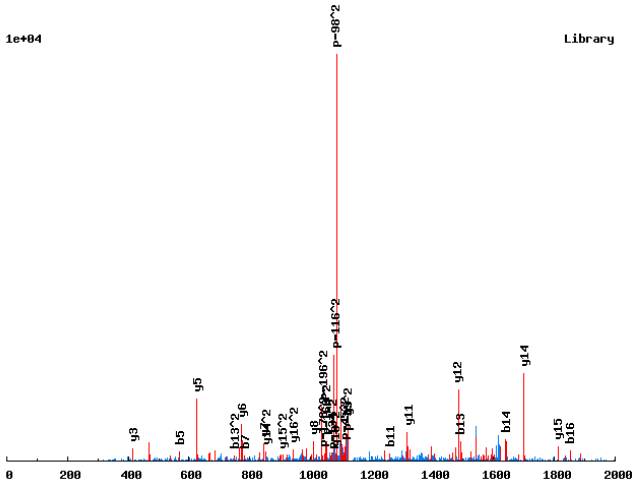


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	25			
216.0979	108.5526	72.7042	2	N	24	2994.1770	1497.5921	**998.7305**
330.1408	165.5740	110.7185	3	N	23	2880.1340	1440.5707	**960.7162**
490.1715	245.5894	164.0620	4	C[160]	22	2766.0911	1383.5492	**922.7019**
605.1984	303.1028	202.4043	5	D	21	2606.0604	1303.5339	869.3583
720.2254	360.6163	240.7466	6	D	20	2491.0335	**1246.0204**	**831.0160**
834.2683	417.6378	278.7609	7	N	19	2376.0066	**1188.5069**	792.6737
948.3112	474.6592	316.7753	8	N	18	2261.9636	**1131.4855**	754.6594
1063.3382	532.1727	355.1176	9	D	17	2147.9207	1074.4640	716.6451
1230.3365	615.6719	410.7837	10	S[167]	16	2032.8938	**1016.9505**	678.3028
1366.4457	683.7265	456.1534	11	K[136]	15	1865.8954	**933.4513**	622.6367
1495.4883	748.2478	499.1676	12	E	14	1729.7862	865.3968	577.2669
1676.5023	**838.7548**	559.5056	13	T[181]	13	1600.7436	800.8755	**534.2527**
1775.5707	888.2890	592.5284	14	V	12	1419.7296	**710.3685**	473.9147
1889.6136	945.3104	630.5427	15	N	11	**1320.6612**	**660.8343**	440.8919
2002.6977	**1001.8525**	668.2374	16	L	10	**1206.6183**	**603.8128**	402.8776
2117.7246	**1059.3659**	706.5797	17	D	9	**1093.5342**	**547.2708**	365.1829
2216.7930	1108.9002	739.6025	18	V	8	**978.5073**	489.7573	326.8406
2317.8407	1159.4240	773.2851	19	T	7	**879.4389**	440.2231	293.8178
2446.8833	**1223.9453**	816.2993	20	E	6	778.3912	389.6992	260.1353
2561.9102	1281.4588	854.6416	21	D	5	**649.3486**	325.1779	217.1211
2676.9372	1338.9722	892.9839	22	D	4	**534.3217**	267.6645	178.7787
2813.0463	1407.0268	938.3536	23	K[136]	3	419.2947	210.1510	140.4364
2941.1049	1471.0561	**981.0398**	24	Q	2	283.1856	142.0964	95.0667
			25	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.TNS$_{167}$AISQS$_{167}$PVNYAFPNPYK$_{136}$.I/2

1

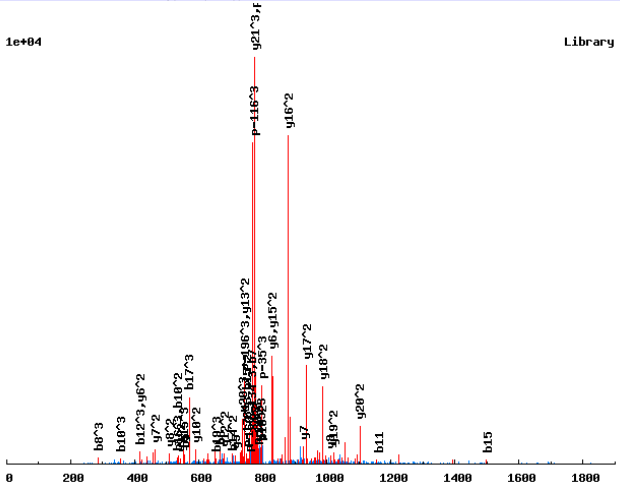


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	19		
216.0979	108.5526	2	N	18	2164.9232	**1082.9652**
383.0963	192.0518	3	S[167]	17	2050.8802	1025.9438
454.1334	227.5703	4	A	16	1883.8819	**942.4446**
567.2174	284.1124	5	I	15	**1812.8448**	**906.9260**
654.2495	327.6284	6	S	14	**1699.7607**	**850.3840**
782.3080	391.6577	7	Q	13	1612.7287	806.8680
949.3064	475.1568	8	S[167]	12	**1484.6701**	742.8387
1046.3592	523.6832	9	P	11	**1317.6717**	659.3395
1145.4276	573.2174	10	V	10	1220.6190	610.8131
1259.4705	630.2389	11	N	9	**1121.5506**	561.2789
1422.5338	711.7706	12	Y	8	**1007.5076**	504.2575
1493.5709	**747.2891**	13	A	7	**844.4443**	422.7258
1640.6393	820.8233	14	F	6	**773.4072**	387.2072
1737.6921	869.3497	15	P	5	**626.3388**	313.6730
1851.7350	926.3712	16	N	4	529.2860	265.1466
1948.7878	974.8975	17	P	3	**415.2431**	208.1252
2111.8511	1056.4292	18	Y	2	318.1903	159.5988
		19	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.TNS$_{167}$ATLPSSESSPASPDLK$_{136}$LS$_{167}$R$_{166}$.S/3

0.9992

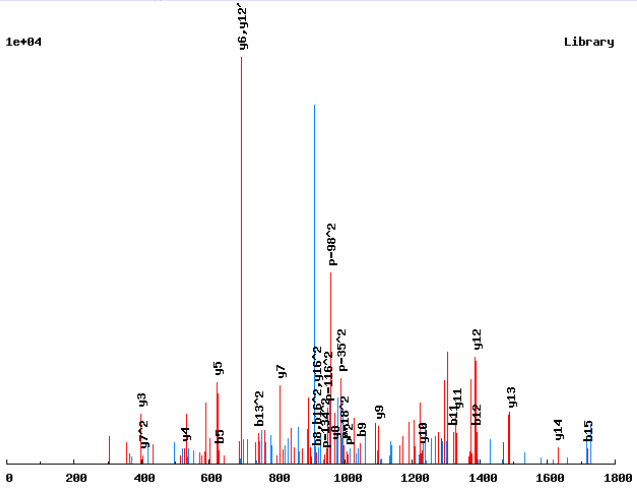


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	22			
216.0979	108.5526	72.7042	2	N	21	2322.0381	1161.5227	**774.6842**
383.0963	192.0518	128.3703	3	S[167]	20	2207.9951	**1104.5012**	**736.6699**
454.1334	227.5703	152.0493	4	A	19	2040.9968	**1021.0020**	681.0038
555.1810	278.0942	185.7319	5	T	18	1969.9597	**985.4835**	657.3247
668.2651	334.6362	223.4266	6	L	17	1868.9120	**934.9596**	623.6422
765.3179	383.1626	255.7775	7	P	16	1755.8279	**878.4176**	585.9475
852.3499	426.6786	**284.7882**	8	S	15	1658.7752	**829.8912**	**553.5966**
939.3819	470.1946	313.7988	9	S	14	1571.7431	**786.3752**	524.5859
1068.4245	**534.7159**	**356.8130**	10	E	13	1484.7111	**742.8592**	495.5752
1155.4565	578.2319	385.8237	11	S	12	1355.6685	**678.3379**	452.5610
1242.4886	621.7479	**414.8344**	12	S	11	1268.6365	634.8219	423.5503
1339.5413	670.2743	447.1853	13	P	10	1181.6045	**591.3059**	394.5397
1410.5784	**705.7929**	470.8643	14	A	9	1084.5517	**542.7795**	362.1888
1497.6105	**749.3089**	499.8750	15	S	8	**1013.5146**	**507.2609**	338.5097
1594.6632	**797.8353**	**532.2259**	16	P	7	**926.4826**	**463.7449**	309.4990
1709.6902	855.3487	**570.5682**	17	D	6	**829.4298**	**415.2185**	277.1481
1822.7742	911.8908	608.2629	18	L	5	**714.4029**	357.7051	238.8058
1958.8834	979.9453	**653.6327**	19	K[136]	4	601.3188	301.1630	201.1111
2071.9674	1036.4874	691.3273	20	L	3	465.2096	233.1085	155.7414
2238.9658	1119.9865	746.9935	21	S[167]	2	352.1256	176.5664	118.0467
			22	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$NSFVGTEEYLAPEVIR$_{166}$.G/2

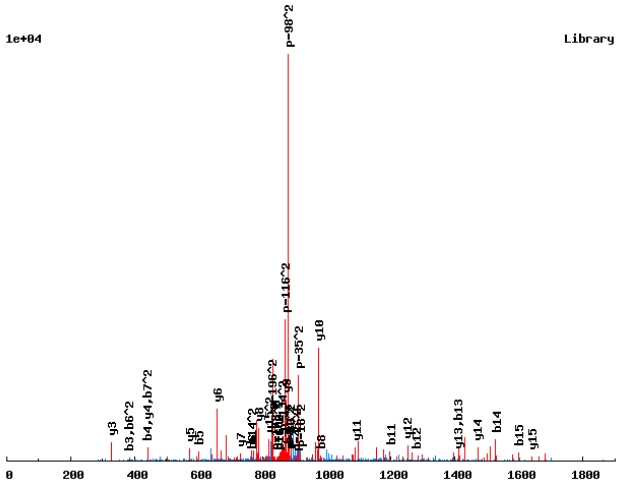
0.9973



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	17		
296.0642	148.5358	2	N	16	1833.9256	**917.4665**
383.0963	192.0518	3	S	15	1719.8827	860.4450
530.1647	265.5860	4	F	14	**1632.8507**	816.9290
629.2331	315.1202	5	V	13	**1485.7823**	743.3948
686.2545	343.6309	6	G	12	**1386.7139**	**693.8606**
787.3022	394.1547	7	T	11	**1329.6924**	665.3498
916.3448	458.6760	8	E	10	**1228.6447**	614.8260
1045.3874	523.1973	9	E	9	**1099.6021**	550.3047
1208.4507	604.7290	10	Y	8	**970.5595**	485.7834
1321.5348	661.2710	11	L	7	**807.4962**	**404.2517**
1392.5719	696.7896	12	A	6	**694.4121**	347.7097
1489.6247	**745.3160**	13	P	5	**623.3750**	312.1912
1618.6672	809.8373	14	E	4	**526.3223**	263.6648
1717.7357	859.3715	15	V	3	**397.2797**	199.1435
1830.8197	**915.9135**	16	I	2	298.2113	149.6093
		17	R[166]	1	185.1272	93.0672

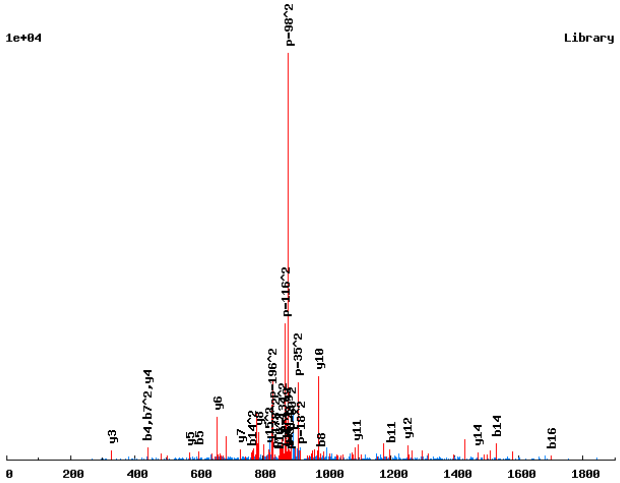
R.TNS$_{167}$GC$_{160}$S$_{167}$ITSGASMIATK$_{136}$.D/2

1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
216.0979	108.5526	2	N	16	1752.6825	876.8449
383.0963	192.0518	3	S[167]	15	**1638.6395**	**819.8234**
440.1177	220.5625	4	G	14	**1471.6412**	736.3242
600.1484	300.5778	5	C[160]	13	**1414.6197**	707.8135
767.1467	**384.0770**	6	S[167]	12	**1254.5891**	627.7982
880.2308	**440.6190**	7	I	11	**1087.5907**	544.2990
981.2785	491.1429	8	T	10	**974.5066**	487.7570
1068.3105	534.6589	9	S	9	**873.4590**	437.2331
1125.3320	563.1696	10	G	8	**786.4269**	393.7171
1196.3691	598.6882	11	A	7	**729.4055**	365.2064
1283.4011	642.2042	12	S	6	**658.3684**	329.6878
1414.4416	707.7244	13	M	5	**571.3363**	286.1718
1527.5256	**764.2665**	14	I	4	**440.2958**	220.6516
1598.5628	799.7850	15	A	3	**327.2118**	164.1095
1699.6104	**850.3089**	16	T	2	256.1747	128.5910
		17	K[136]	1	155.1270	78.0671

1

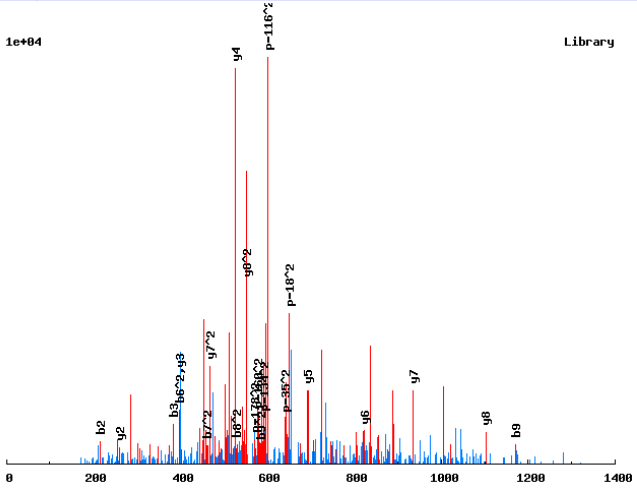


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
216.0979	108.5526	2	N	16	1752.6825	**876.8449**
383.0963	192.0518	3	S[167]	15	1638.6395	**819.8234**
440.1177	220.5625	4	G	14	**1471.6412**	736.3242
600.1484	300.5778	5	C[160]	13	1414.6197	707.8135
767.1467	384.0770	6	S[167]	12	**1254.5891**	627.7982
880.2308	**440.6190**	7	I	11	**1087.5907**	544.2990
981.2785	491.1429	8	T	10	**974.5066**	487.7570
1068.3105	534.6589	9	S	9	**873.4590**	437.2331
1125.3320	563.1696	10	G	8	**786.4269**	393.7171
1196.3691	598.6882	11	A	7	**729.4055**	365.2064
1283.4011	642.2042	12	S	6	**658.3684**	329.6878
1414.4416	707.7244	13	M	5	**571.3363**	286.1718
1527.5256	**764.2665**	14	I	4	**440.2958**	220.6516
1598.5628	799.7850	15	A	3	**327.2118**	164.1095
1699.6104	**850.3089**	16	T	2	256.1747	128.5910
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.TNS$_{167}$LES$_{167}$EHLK.I/2

0.9384

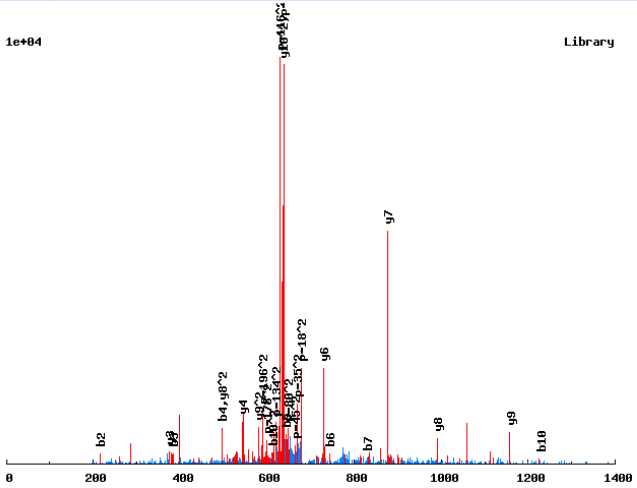


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	10		
216.0979	108.5526	2	N	9	1216.4647	608.7360
383.0963	192.0518	3	S[167]	8	**1102.4217**	**551.7145**
496.1803	248.5938	4	L	7	**935.4234**	**468.2153**
625.2229	313.1151	5	E	6	**822.3393**	411.6733
792.2213	**396.6143**	6	S[167]	5	**693.2967**	347.1520
921.2639	**461.1356**	7	E	4	**526.2984**	263.6528
1058.3228	**529.6650**	8	H	3	**397.2558**	199.1315
1171.4068	**586.2071**	9	L	2	**260.1969**	130.6021
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.TNS$_{167}$LFTSS$_{167}$PMK.T/2

0.9986

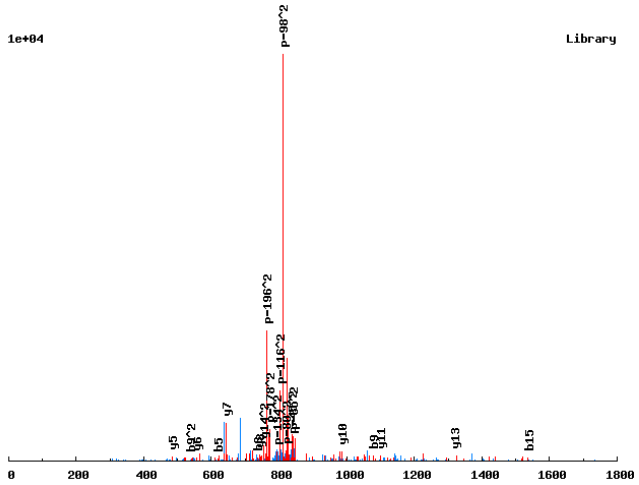


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
216.0979	108.5526	2	N	10	1271.4779	**636.2426**
383.0963	192.0518	3	S[167]	9	**1157.4350**	**579.2211**
496.1803	248.5938	4	L	8	**990.4366**	**495.7219**
643.2487	322.1280	5	F	7	**877.3525**	439.1799
744.2964	372.6518	6	T	6	**730.2841**	365.6457
831.3284	416.1679	7	S	5	**629.2364**	315.1219
998.3268	499.6670	8	S[167]	4	**542.2044**	271.6058
1095.3796	548.1934	9	P	3	**375.2061**	188.1067
1226.4200	**613.7137**	10	M	2	278.1533	139.5803
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.TNT$_{181}$GS$_{167}$DENVSASGGVR$_{166}$.L/2

0.9204

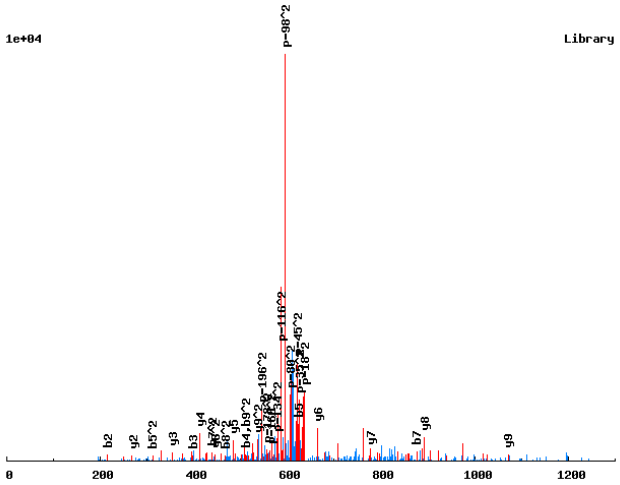


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	16		
216.0979	108.5526	2	N	15	1619.5974	810.3023
397.1119	199.0596	3	T[181]	14	1505.5544	**753.2809**
454.1334	227.5703	4	G	13	**1324.5404**	662.7738
621.1317	311.0695	5	S[167]	12	1267.5189	634.2631
736.1587	368.5830	6	D	11	**1100.5206**	550.7639
865.2013	433.1043	7	E	10	**985.4936**	493.2505
979.2442	490.1257	8	N	9	856.4511	428.7292
1078.3126	**539.6599**	9	V	8	**742.4081**	371.7077
1165.3446	583.1760	10	S	7	**643.3397**	322.1735
1236.3817	618.6945	11	A	6	**556.3077**	278.6575
1323.4138	662.2105	12	S	5	**485.2706**	243.1389
1380.4352	690.7213	13	G	4	398.2385	199.6229
1437.4567	719.2320	14	G	3	341.2171	171.1122
1536.5251	768.7662	15	V	2	284.1956	142.6015
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.TNT$_{181}$NLT$_{181}$AGSLK$_{136}$.G/2

0.9209

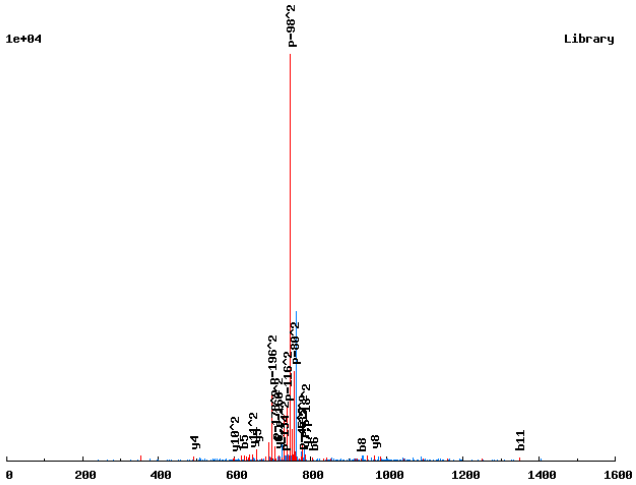


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
216.0979	108.5526	2	N	10	1186.4996	593.7534
397.1119	199.0596	3	T[181]	9	**1072.4567**	**536.7320**
511.1548	256.0811	4	N	8	**891.4427**	**446.2250**
624.2389	**312.6231**	5	L	7	**777.3997**	389.2035
805.2529	403.1301	6	T[181]	6	**664.3157**	332.6615
876.2900	**438.6486**	7	A	5	**483.3017**	242.1545
933.3115	**467.1594**	8	G	4	**412.2645**	206.6359
1020.3435	**510.6754**	9	S	3	**355.2431**	178.1252
1133.4276	567.2174	10	L	2	**268.2111**	134.6092
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$NTNLT$_{181}$AGS$_{167}$LK$_{136}$GR$_{166}$.F/2

0.816

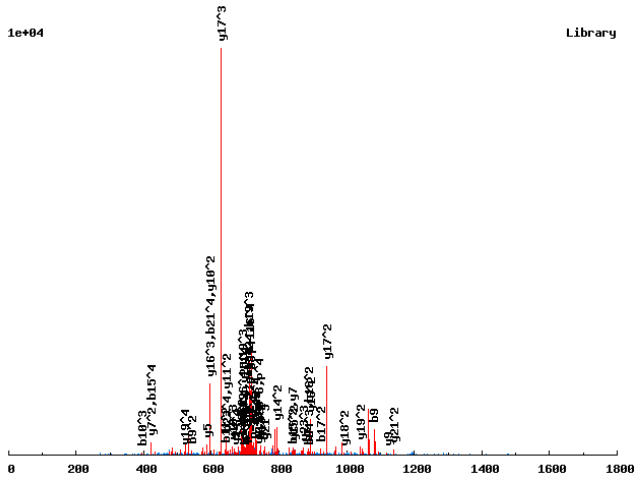


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	13		
296.0642	148.5358	2	N	12	1409.6304	705.3189
397.1119	199.0596	3	T	11	1295.5875	**648.2974**
511.1548	256.0811	4	N	10	1194.5398	**597.7736**
624.2389	312.6231	5	L	9	1080.4969	540.7521
805.2529	403.1301	6	T[181]	8	**967.4128**	484.2101
876.2900	438.6486	7	A	7	**786.3988**	393.7031
933.3115	467.1594	8	G	6	**715.3617**	358.1845
1100.3098	550.6586	9	S[167]	5	**658.3403**	329.6738
1213.3939	607.2006	10	L	4	**491.3419**	246.1746
1349.5031	675.2552	11	K[136]	3	378.2578	189.6326
1406.5245	703.7659	12	G	2	242.1487	121.5780
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$PART$_{181}$PTPTPPVVAEPAIS$_{167}$PRPVSQR.T/4

0.9576

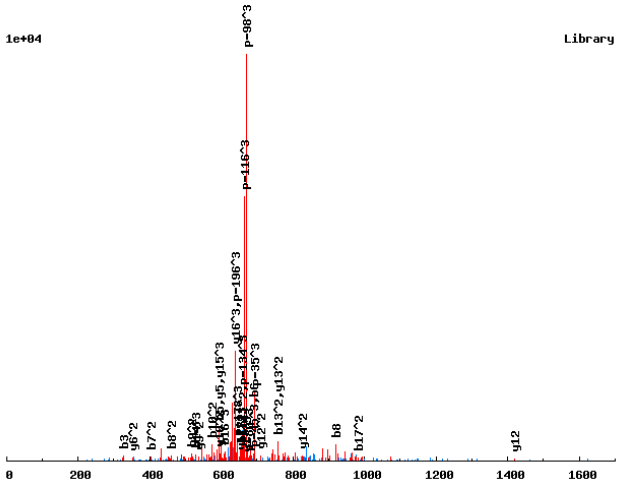


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
182.0213	91.5143	61.3453	46.2608	1	T[181]	26				
279.0741	140.0407	93.6962	70.5240	2	P	25	2781.3848	1391.1960	927.7998	**696.1017**
350.1112	175.5592	117.3752	88.2833	3	A	24	2684.3320	1342.6697	895.4489	**671.8385**
506.2123	253.6098	169.4089	127.3085	4	R	23	2613.2949	1307.1511	**871.7698**	654.0792
687.2263	344.1168	229.7469	172.5620	5	T[181]	22	2457.1938	1229.1006	819.7361	615.0539
784.2790	392.6432	262.0979	196.8252	6	P	21	2276.1798	**1138.5935**	**759.3981**	569.8004
885.3267	443.1670	295.7804	222.0871	7	T	20	2179.1271	1090.0672	727.0472	545.5372
982.3795	491.6934	328.1313	246.3503	8	P	19	2078.0794	**1039.5433**	**693.3646**	**520.2753**
1083.4272	**542.2172**	361.8139	271.6123	9	T	18	1981.0266	**991.0169**	**661.0137**	496.0121
1180.4799	590.7436	**394.1648**	295.8754	10	P	17	1879.9789	**940.4931**	**627.3312**	470.7502
1277.5327	**639.2700**	426.5157	320.1386	11	P	16	1782.9262	**891.9667**	**594.9802**	446.4870
1376.6011	**688.8042**	459.5386	344.9057	12	V	15	1685.8734	**843.4403**	562.6293	422.2238
1475.6695	738.3384	492.5614	369.6728	13	V	14	1586.8050	**793.9061**	529.6065	397.4567
1546.7066	773.8569	516.2404	387.4321	14	A	13	1487.7366	**744.3719**	496.5837	372.6896
1675.7492	**838.3782**	559.2546	**419.6928**	15	E	12	1416.6995	**708.8534**	472.9047	354.9303
1772.8020	**886.9046**	591.6055	443.9560	16	P	11	1287.6569	**644.3321**	429.8905	322.6697
1843.8391	**922.4232**	615.2845	461.7152	17	A	10	1190.6041	**595.8057**	397.5396	298.4065
1956.9231	978.9652	652.9792	489.9862	18	I	9	**1119.5670**	560.2872	373.8605	280.6472
2123.9215	1062.4644	**708.6454**	531.7358	19	S[167]	8	1006.4830	503.7451	336.1658	252.3762
2220.9743	1110.9908	**740.9963**	555.9990	20	P	7	**839.4846**	**420.2459**	280.4997	210.6266
2377.0754	1189.0413	793.0300	**595.0243**	21	R	6	**742.4318**	371.7196	248.1488	186.3634
2474.1281	1237.5677	825.3809	619.2875	22	P	5	**586.3307**	293.6690	196.1151	147.3381
2573.1965	1287.1019	858.4037	**644.0546**	23	V	4	489.2780	245.1426	163.7642	123.0750
2660.2286	1330.6179	**887.4144**	665.8126	24	S	3	390.2096	195.6084	130.7414	98.3078
2788.2871	1394.6472	930.1006	**697.8272**	25	Q	2	303.1775	152.0924	101.7307	76.5498
				26	R	1	175.1190	88.0631	59.0445	44.5352

Annotated spectra from Saleem et. al. 2009

R.TPEQHPNDDNS$_{167}$SLAAS$_{167}$HK.G/3

0.9365

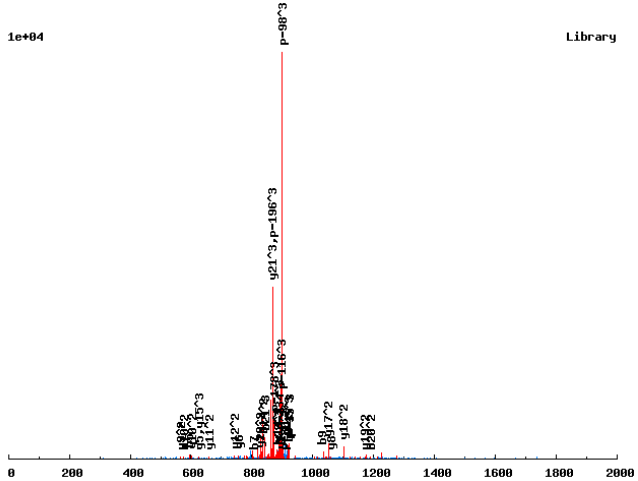


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	18			
199.1077	100.0575	67.0408	2	P	17	2006.7641	1003.8857	**669.5929**
328.1503	164.5788	110.0550	3	E	16	1909.7113	955.3593	**637.2420**
456.2089	228.6081	152.7411	4	Q	15	1780.6687	890.8380	**594.2278**
593.2678	297.1375	198.4275	5	H	14	1652.6102	**826.8087**	551.5416
690.3206	345.6639	230.7784	6	P	13	1515.5512	**758.2793**	505.8553
804.3635	**402.6854**	268.7927	7	N	12	**1418.4985**	**709.7529**	473.5043
919.3904	**460.1989**	307.1350	8	D	11	1304.4556	**652.7314**	435.4900
1034.4174	**517.7123**	345.4773	9	D	10	1189.4286	**595.2179**	397.1477
1148.4603	**574.7338**	383.4916	10	N	9	1074.4017	**537.7045**	358.8054
1315.4587	**658.2330**	439.1577	11	S[167]	8	960.3587	480.6830	320.7911
1402.4907	701.7490	468.1684	12	S	7	793.3604	397.1838	265.1250
1515.5748	**758.2910**	505.8631	13	L	6	706.3284	**353.6678**	236.1143
1586.6119	793.8096	**529.5421**	14	A	5	**593.2443**	297.1258	198.4196
1657.6490	829.3281	553.2212	15	A	4	522.2072	261.6072	174.7406
1824.6473	912.8273	**608.8873**	16	S[167]	3	451.1701	226.0887	151.0615
1961.7062	**981.3568**	**654.5736**	17	H	2	284.1717	142.5895	95.3954
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.TPEQHPNDDNS$_{167}$S$_{167}$LAAS$_{167}$HKGFFQK.L/3

0.9988

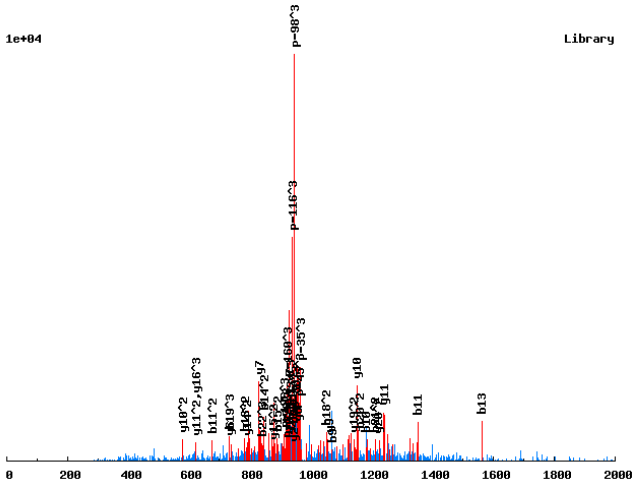


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	23			
199.1077	100.0575	67.0408	2	P	22	2694.0422	1347.5248	898.6856
328.1503	164.5788	110.0550	3	E	21	2596.9895	1298.9984	**866.3347**
456.2089	228.6081	152.7411	4	Q	20	2467.9469	1234.4771	**823.3205**
593.2678	297.1375	198.4275	5	H	19	2339.8883	**1170.4478**	780.6343
690.3206	345.6639	230.7784	6	P	18	2202.8294	**1101.9183**	734.9480
804.3635	402.6854	268.7927	7	N	17	2105.7766	**1053.3920**	702.5971
919.3904	460.1989	307.1350	8	D	16	1991.7337	996.3705	664.5828
1034.4174	517.7123	345.4773	9	D	15	1876.7068	938.8570	**626.2404**
1148.4603	**574.7338**	383.4916	10	N	14	1761.6798	**881.3436**	587.8981
1315.4587	658.2330	439.1577	11	S[167]	13	1647.6369	**824.3221**	549.8838
1482.4570	741.7322	494.8239	12	S[167]	12	1480.6385	**740.8229**	494.2177
1595.5411	798.2742	532.5185	13	L	11	1313.6402	**657.3237**	438.5516
1666.5782	**833.7927**	556.1976	14	A	10	1200.5561	**600.7817**	400.8569
1737.6153	869.3113	579.8766	15	A	9	1129.5190	**565.2631**	377.1779
1904.6137	952.8105	635.5427	16	S[167]	8	**1058.4819**	529.7446	353.4988
2041.6726	1021.3399	681.2290	17	H	7	**891.4835**	446.2454	297.8327
2169.7675	1085.3874	723.9274	18	K	6	**754.4246**	377.7160	252.1464
2226.7890	1113.8981	742.9345	19	G	5	**626.3297**	313.6685	209.4481
2373.8574	**1187.4323**	791.9573	20	F	4	569.3082	285.1577	190.4409
2520.9258	1260.9665	**840.9801**	21	F	3	422.2398	211.6235	141.4181
2648.9844	1324.9958	**883.6663**	22	Q	2	275.1714	138.0893	92.3953
			23	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TPNAVYR$_{166}$EENS$_{167}$PIQSPVQPILSS$_{167}$PK$_{136}$L/3

0.9182

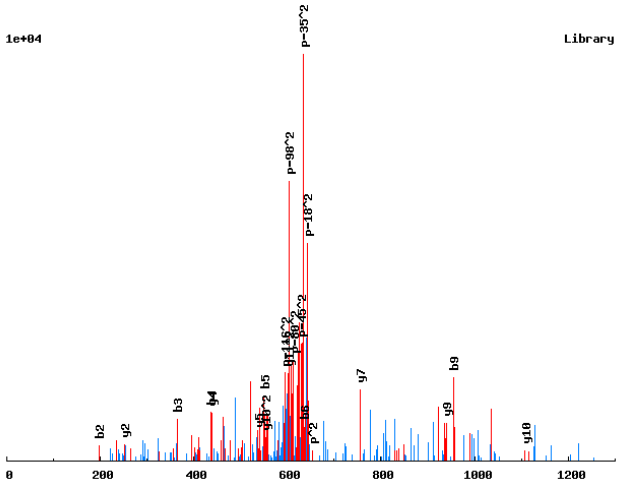


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	25			
199.1077	100.0575	67.0408	2	P	24	2828.3386	1414.6729	**943.4511**
313.1506	157.0790	105.0551	3	N	23	2731.2858	1366.1466	911.1001
384.1878	192.5975	128.7341	4	A	22	2617.2429	1309.1251	873.0858
483.2562	242.1317	161.7569	5	V	21	2546.2058	1273.6065	849.4068
646.3195	323.6634	216.1114	6	Y	20	2447.1374	**1224.0723**	816.3840
812.4289	406.7181	271.4811	7	R[166]	19	2284.0741	**1142.5407**	762.0295
941.4715	471.2394	314.4953	8	E	18	2117.9647	1059.4860	706.6597
1070.5141	535.7607	357.5095	9	E	17	1988.9221	994.9647	663.6456
1184.5570	592.7821	395.5238	10	N	16	1859.8795	**930.4434**	**620.6314**
1351.5554	**676.2813**	451.1900	11	S[167]	15	1745.8366	**873.4219**	582.6170
1448.6081	724.8077	483.5409	12	P	14	1578.8382	**789.9227**	526.9509
1561.6922	**781.3497**	521.2356	13	I	13	1481.7855	741.3964	494.6000
1689.7508	**845.3790**	563.9218	14	Q	12	1368.7014	684.8543	456.9053
1776.7828	**888.8950**	592.9324	15	S	11	**1240.6428**	**620.8250**	414.2191
1873.8355	**937.4214**	625.2834	16	P	10	**1153.6108**	**577.3090**	385.2084
1972.9040	986.9556	658.3062	17	V	9	**1056.5580**	528.7826	352.8575
2100.9625	**1050.9849**	700.9924	18	Q	8	**957.4896**	479.2484	319.8347
2198.0153	1099.5113	**733.3433**	19	P	7	**829.4310**	415.2192	277.1485
2311.0994	**1156.0533**	771.0380	20	I	6	**732.3783**	366.6928	244.7976
2424.1834	**1212.5953**	808.7327	21	L	5	619.2942	310.1507	207.1029
2511.2154	1256.1114	**837.7433**	22	S	4	506.2102	253.6087	169.4082
2678.2138	1339.6105	893.4095	23	S[167]	3	419.1781	210.0927	140.3976
2775.2666	1388.1369	925.7604	24	P	2	252.1798	126.5935	84.7314
			25	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.TPS$_{167}$ALSMVSVPK$_{136}$.F/2

0.9518

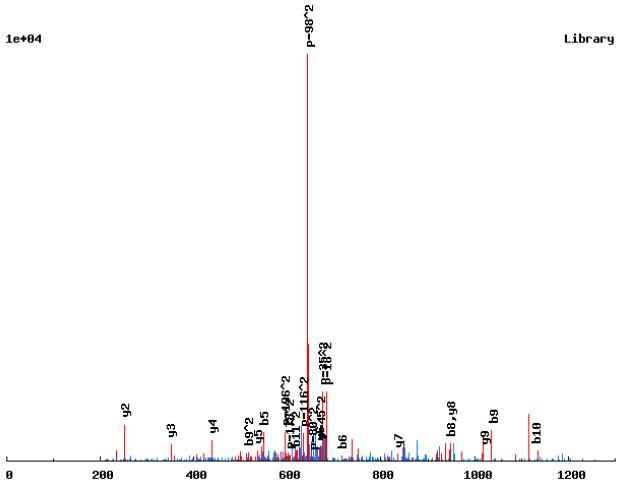


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	12		
199.1077	100.0575	2	P	11	1203.5934	**602.3003**
366.1061	183.5567	3	S[167]	10	**1106.5407**	**553.7740**
437.1432	219.0752	4	A	9	**939.5423**	470.2748
550.2273	275.6173	5	L	8	868.5052	434.7562
637.2593	319.1333	6	S	7	**755.4211**	378.2142
768.2998	384.6535	7	M	6	668.3891	334.6982
867.3682	434.1877	8	V	5	**537.3486**	269.1779
954.4002	477.7037	9	S	4	**438.2802**	219.6437
1053.4686	527.2380	10	V	3	351.2482	176.1277
1150.5214	575.7643	11	P	2	**252.1798**	126.5935
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$PSALS$_{167}$MVSVPK$_{136}$.F/2

0.9451

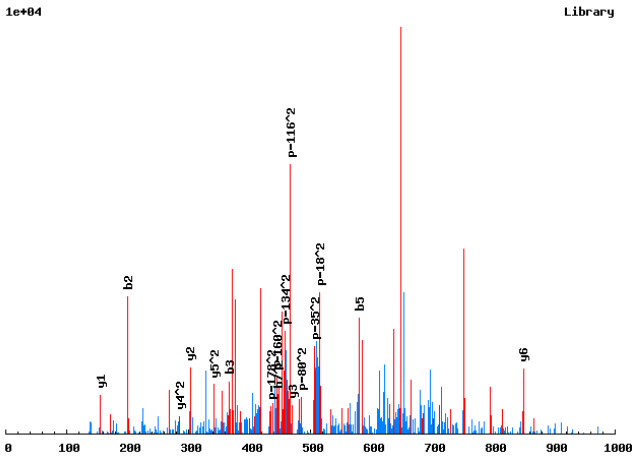


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	12		
279.0741	140.0407	2	P	11	1203.5934	602.3003
366.1061	183.5567	3	S	10	1106.5407	553.7740
437.1432	219.0752	4	A	9	1019.5086	510.2580
550.2273	275.6173	5	L	8	948.4715	474.7394
717.2256	359.1164	6	S[167]	7	835.3875	418.1974
848.2661	424.6367	7	M	6	668.3891	334.6982
947.3345	474.1709	8	V	5	537.3486	269.1779
1034.3665	517.6869	9	S	4	438.2802	219.6437
1133.4350	567.2211	10	V	3	351.2482	176.1277
1230.4877	615.7475	11	P	2	252.1798	126.5935
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.TPS$_{167}$NVS$_{167}$FK$_{136}$.T/2

0.922

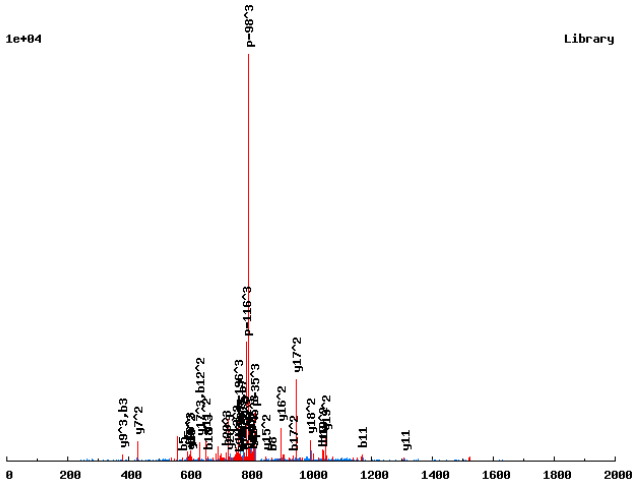


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	8		
199.1077	100.0575	2	P	7	946.3562	473.6818
366.1061	183.5567	3	S[167]	6	**849.3035**	425.1554
480.1490	240.5781	4	N	5	682.3051	**341.6562**
579.2174	290.1124	5	V	4	568.2622	**284.6347**
746.2158	373.6115	6	S[167]	3	**469.1938**	235.1005
893.2842	**447.1457**	7	F	2	**302.1954**	151.6013
		8	K[136]	1	**155.1270**	78.0671

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$PTPTPPVVAEPAIS$_{167}$PR$_{166}$PVSQR$_{166}$.T/3

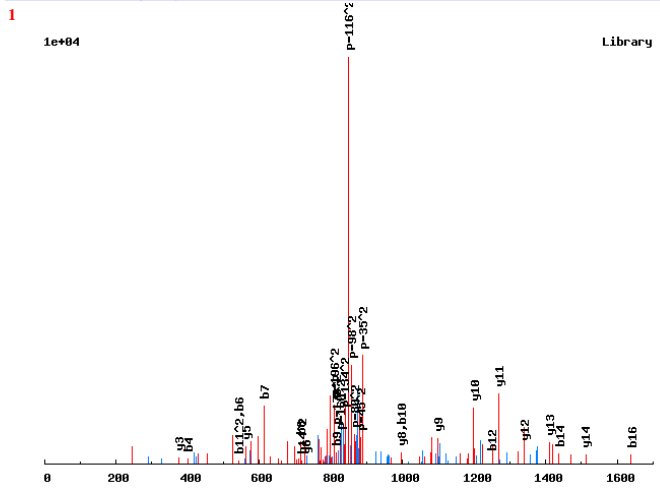
0.9956



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	22			
279.0741	140.0407	93.6962	2	P	21	2296.1963	1148.6018	766.0703
380.1217	190.5645	127.3788	3	T	20	2199.1436	1100.0754	**733.7194**
477.1745	239.0909	159.7297	4	P	19	2098.0959	**1049.5516**	700.0368
578.2222	289.6147	193.4122	5	T	18	2001.0431	**1001.0252**	667.6859
675.2749	338.1411	225.7632	6	P	17	1899.9955	**950.5014**	**634.0033**
772.3277	386.6675	258.1141	7	P	16	1802.9427	**901.9750**	**601.6524**
871.3961	436.2017	291.1369	8	V	15	1705.8899	**853.4486**	569.3015
970.4645	485.7359	324.1597	9	V	14	1606.8215	**803.9144**	536.2787
1041.5016	521.2545	347.8387	10	A	13	1507.7531	**754.3802**	503.2559
1170.5442	585.7757	390.8529	11	E	12	1436.7160	718.8616	479.5769
1267.5970	**634.3021**	423.2038	12	P	11	**1307.6734**	**654.3404**	436.5627
1338.6341	669.8207	446.8829	13	A	10	1210.6207	**605.8140**	404.2117
1451.7181	726.3627	484.5776	14	I	9	1139.5836	570.2954	**380.5327**
1618.7165	**809.8619**	540.2437	15	S[167]	8	1026.4995	513.7534	342.8380
1715.7693	858.3883	572.5946	16	P	7	859.5011	**430.2542**	287.1719
1881.8786	**941.4430**	627.9644	17	R[166]	6	762.4484	381.7278	254.8210
1978.9314	989.9693	**660.3153**	18	P	5	**596.3390**	298.6731	199.4512
2077.9998	**1039.5035**	693.3381	19	V	4	499.2862	250.1468	167.1003
2165.0318	1083.0196	**722.3488**	20	S	3	400.2178	200.6126	134.0775
2293.0904	1147.0489	**765.0350**	21	Q	2	313.1858	157.0965	105.0668
			22	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.TPTTAAATTT$_{181}$SS$_{167}$NANSR.I/2

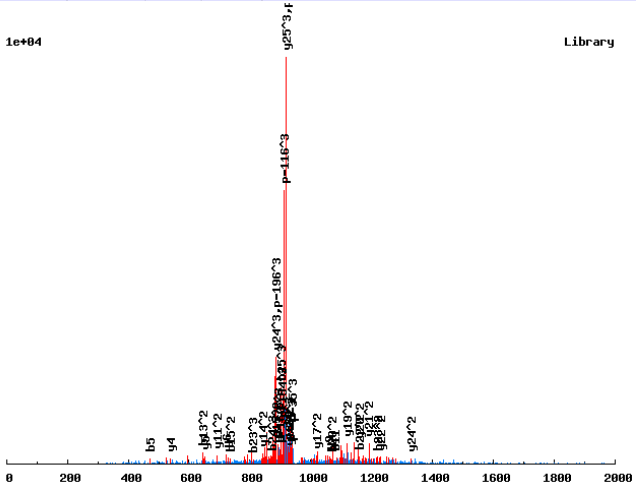


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
199.1077	100.0575	2	P	16	1710.6732	855.8402
300.1554	150.5813	3	T	15	1613.6204	807.3138
401.2031	201.1052	4	T	14	**1512.5727**	756.7900
472.2402	236.6237	5	A	13	**1411.5250**	706.2662
543.2773	272.1423	6	A	12	**1340.4879**	670.7476
614.3144	307.6608	7	A	11	**1269.4508**	635.2291
715.3621	358.1847	8	T	10	**1198.4137**	599.7105
816.4098	408.7085	9	T	9	**1097.3660**	549.1867
997.4238	499.2155	10	T[181]	8	**996.3184**	498.6628
1084.4558	**542.7315**	11	S	7	815.3043	408.1558
1251.4542	626.2307	12	S[167]	6	**728.2723**	364.6398
1365.4971	683.2522	13	N	5	**561.2740**	281.1406
1436.5342	**718.7707**	14	A	4	447.2310	224.1191
1550.5771	775.7922	15	N	3	**376.1939**	188.6006
1637.6092	819.3082	16	S	2	262.1510	131.5791
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TPTTAAATTT$_{181}$SSNANS$_{167}$RIGS$_{167}$ALNT$_{181}$PK.L/3

0.9796

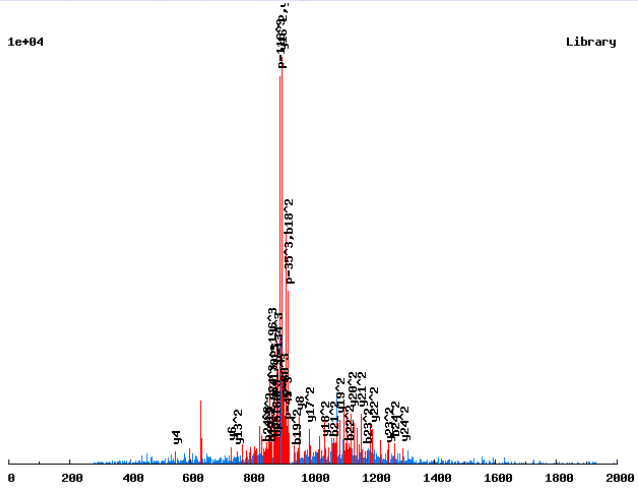


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	26			
199.1077	100.0575	67.0408	2	P	25	2752.1029	1376.5551	**918.0391**
300.1554	150.5813	100.7233	3	T	24	2655.0501	**1328.0287**	**885.6882**
401.2031	201.1052	134.4059	4	T	23	2554.0024	1277.5049	852.0057
472.2402	236.6237	158.0849	5	A	22	2452.9548	**1226.9810**	818.3231
543.2773	272.1423	181.7640	6	A	21	2381.9176	**1191.4625**	794.6441
614.3144	307.6608	205.4430	7	A	20	2310.8805	**1155.9439**	770.9650
715.3621	358.1847	239.1256	8	T	19	2239.8434	**1120.4254**	747.2860
816.4098	408.7085	272.8081	9	T	18	2138.7957	1069.9015	713.6034
997.4238	499.2155	333.1461	10	T[181]	17	2037.7481	**1019.3777**	679.9209
1084.4558	542.7315	362.1568	11	S	16	1856.7341	**928.8707**	619.5829
1171.4878	586.2476	391.1675	12	S	15	1769.7020	**885.3547**	590.5722
1285.5308	**643.2690**	429.1818	13	N	14	1682.6700	**841.8386**	561.5615
1356.5679	678.7876	452.8608	14	A	13	1568.6271	784.8172	523.5472
1470.6108	**735.8090**	490.8751	15	N	12	1497.5900	749.2986	499.8682
1637.6092	819.3082	546.5412	16	S[167]	11	1383.5470	**692.2772**	461.8539
1793.7103	897.3588	598.5749	17	R	10	1216.5487	608.7780	406.1877
1906.7943	953.9008	636.2696	18	I	9	**1060.4476**	530.7274	354.1540
1963.8158	982.4115	655.2768	19	G	8	947.3635	474.1854	316.4594
2130.8142	**1065.9107**	710.9429	20	S[167]	7	**890.3420**	445.6747	297.4522
2201.8513	1101.4293	734.6219	21	A	6	**723.3437**	362.1755	241.7861
2314.9353	**1157.9713**	772.3166	22	L	5	**652.3066**	326.6569	218.1070
2428.9783	**1214.9928**	**810.3309**	23	N	4	**539.2225**	270.1149	180.4124
2609.9923	1305.4998	**870.6689**	24	T[181]	3	425.1796	213.0934	142.3980
2707.0450	1354.0262	**903.0199**	25	P	2	244.1656	122.5864	82.0600
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TPTTAAATTT$_{181}$SSNANSR$_{166}$IGS$_{167}$ALNT$_{181}$PK$_{136}$.L/3

0.6122

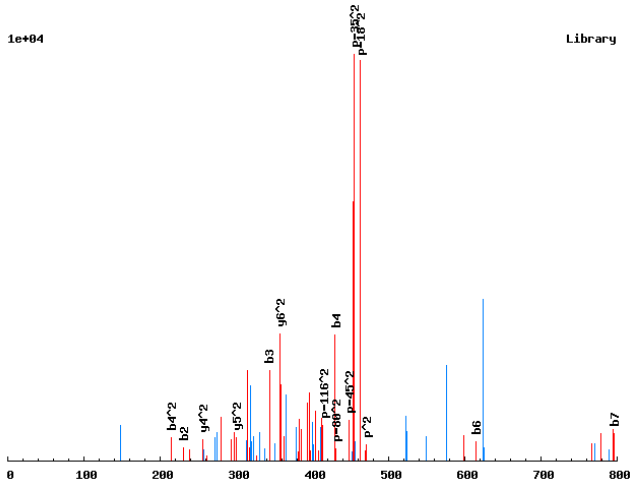


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	26			
199.1077	100.0575	67.0408	2	P	25	2690.1590	1345.5831	**897.3912**
300.1554	150.5813	100.7233	3	T	24	2593.1063	**1297.0568**	**865.0403**
401.2031	201.1052	134.4059	4	T	23	2492.0586	**1246.5329**	831.3577
472.2402	236.6237	158.0849	5	A	22	2391.0109	**1196.0091**	797.6752
543.2773	272.1423	181.7640	6	A	21	2319.9738	**1160.4905**	773.9961
614.3144	307.6608	205.4430	7	A	20	2248.9367	**1124.9720**	750.3171
715.3621	358.1847	239.1256	8	T	19	2177.8996	**1089.4534**	726.6380
816.4098	408.7085	272.8081	9	T	18	2076.8519	**1038.9296**	692.9555
997.4238	499.2155	333.1461	10	T[181]	17	1975.8042	**988.4057**	659.2729
1084.4558	542.7315	362.1568	11	S	16	1794.7902	**897.8987**	598.9349
1171.4878	586.2476	391.1675	12	S	15	1707.7582	**854.3827**	569.9242
1285.5308	643.2690	429.1818	13	N	14	1620.7261	810.8667	540.9136
1356.5679	678.7876	452.8608	14	A	13	1506.6832	**753.8452**	502.8993
1470.6108	735.8090	490.8751	15	N	12	1435.6461	718.3267	479.2202
1557.6428	779.3251	519.8858	16	S	11	1321.6032	661.3052	441.2059
1723.7522	**862.3798**	575.2556	17	R[166]	10	1234.5711	617.7892	412.1952
1836.8363	**918.9218**	612.9503	18	I	9	1068.4618	534.7345	356.8254
1893.8577	**947.4325**	631.9574	19	G	8	**955.3777**	478.1925	319.1308
2060.8561	1030.9317	687.6236	20	S[167]	7	**898.3562**	449.6818	300.1236
2131.8932	**1066.4502**	711.3026	21	A	6	**731.3579**	366.1826	244.4575
2244.9773	**1122.9923**	748.9973	22	L	5	660.3208	330.6640	220.7784
2359.0202	**1180.0137**	787.0116	23	N	4	**547.2367**	274.1220	183.0838
2540.0342	**1270.5207**	**847.3496**	24	T[181]	3	433.1938	217.1005	145.0694
2637.0870	1319.0471	**879.7005**	25	P	2	252.1798	126.5935	84.7314
			26	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.TQLSAIT$_{181}$K.R/2

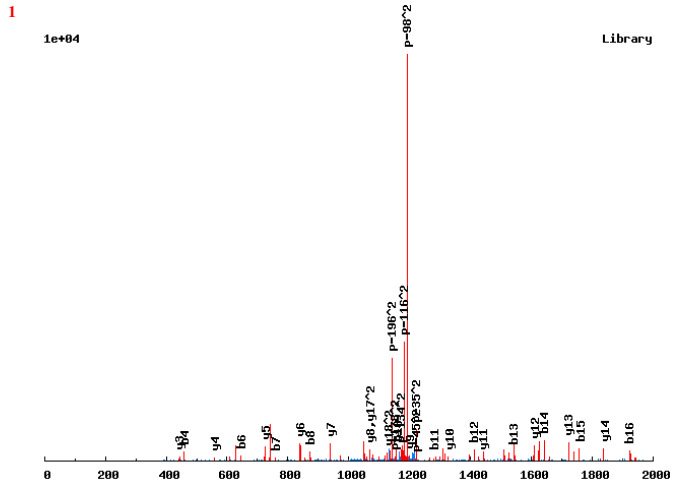
0.5928



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	8		
230.1135	115.5604	2	Q	7	840.4227	420.7150
343.1976	172.1024	3	L	6	712.3641	**356.6857**
430.2296	**215.6185**	4	S	5	599.2800	**300.1436**
501.2667	251.1370	5	A	4	512.2480	**256.6276**
614.3508	307.6790	6	I	3	441.2109	221.1091
795.3648	398.1860	7	T[181]	2	328.1268	164.5670
		8	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.TQNDGEIDS$_{167}$DEEEVDS$_{167}$DEER$_{166}$.I/2

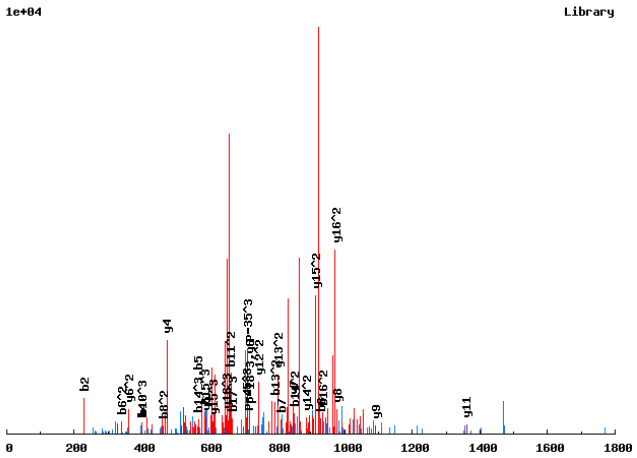


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	20		
230.1135	115.5604	2	Q	19	2379.7896	1190.3985
344.1565	172.5819	3	N	18	2251.7310	**1126.3692**
459.1834	230.0953	4	D	17	2137.6881	**1069.3477**
516.2049	258.6061	5	G	16	2022.6612	1011.8342
645.2475	323.1274	6	E	15	1965.6397	983.3235
758.3315	379.6694	7	I	14	**1836.5971**	918.8022
873.3585	437.1829	8	D	13	**1723.5131**	862.2602
1040.3568	520.6821	9	S[167]	12	**1608.4861**	804.7467
1155.3838	578.1955	10	D	11	**1441.4878**	721.2475
1284.4264	642.7168	11	E	10	**1326.4608**	663.7340
1413.4689	707.2381	12	E	9	**1197.4182**	599.2128
1542.5115	771.7594	13	E	8	**1068.3756**	534.6915
1641.5799	821.2936	14	V	7	**939.3331**	470.1702
1756.6069	878.8071	15	D	6	**840.2646**	420.6360
1923.6052	962.3063	16	S[167]	5	**725.2377**	363.1225
2038.6322	1019.8197	17	D	4	**558.2393**	279.6233
2167.6748	1084.3410	18	E	3	**443.2124**	222.1098
2296.7174	1148.8623	19	E	2	314.1698	157.5885
		20	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.TQNGS$_{167}$DEDRNEEEDGLER.S/3

0.6497

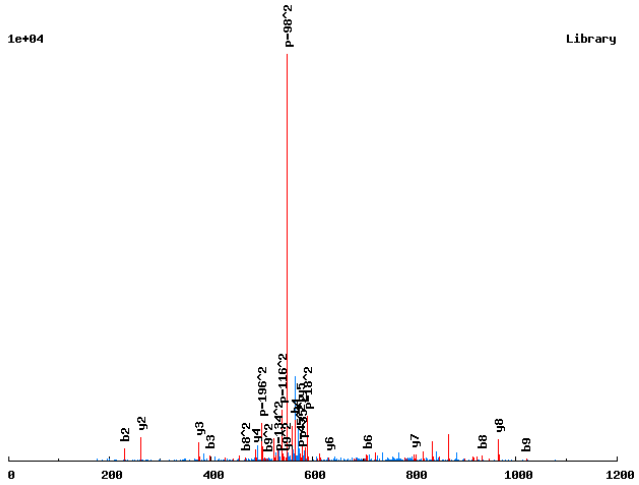


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	18			
230.1135	115.5604	77.3760	2	Q	17	2071.7836	1036.3954	691.2661
344.1565	172.5819	115.3903	3	N	16	1943.7250	**972.3662**	**648.5799**
401.1779	201.0926	134.3975	4	G	15	1829.6821	**915.3447**	**610.5656**
568.1763	284.5918	190.0636	5	S[167]	14	1772.6606	**886.8340**	591.5584
683.2032	**342.1053**	228.4059	6	D	13	1605.6623	**803.3348**	535.8923
812.2458	406.6266	271.4201	7	E	12	1490.6353	**745.8213**	497.5500
927.2728	**464.1400**	309.7624	8	D	11	**1361.5928**	681.3000	454.5358
1083.3739	542.1906	361.7961	9	R	10	1246.5658	623.7865	416.1935
1197.4168	599.2120	**399.8105**	10	N	9	**1090.4647**	545.7360	364.1598
1326.4594	**663.7333**	442.8247	11	E	8	**976.4218**	488.7145	326.1454
1455.5020	728.2546	485.8388	12	E	7	**847.3792**	424.1932	283.1312
1584.5446	**792.7759**	528.8530	13	E	6	**718.3366**	**359.6719**	240.1171
1699.5715	**850.2894**	**567.1954**	14	D	5	**589.2940**	295.1506	197.1029
1756.5930	878.8001	**586.2025**	15	G	4	**474.2671**	237.6372	158.7605
1869.6770	**935.3422**	623.8972	16	L	3	417.2456	209.1264	139.7534
1998.7196	999.8635	**666.9114**	17	E	2	304.1615	152.5844	102.0587
			18	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.TQS$_{167}$S$_{167}$GSLLSR.K/2

0.7981

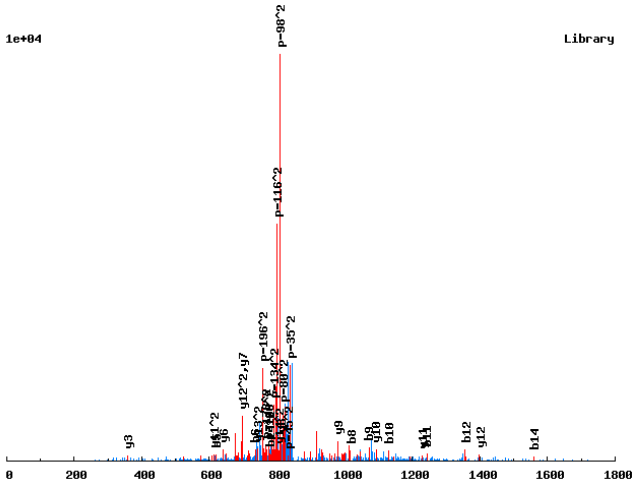


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	10		
230.1135	115.5604	2	Q	9	1094.4279	**547.7176**
397.1119	199.0596	3	S[167]	8	**966.3693**	483.6883
564.1103	282.5588	4	S[167]	7	**799.3710**	400.1891
621.1317	311.0695	5	G	6	**632.3726**	316.6899
708.1638	354.5855	6	S	5	**575.3511**	288.1792
821.2478	411.1275	7	L	4	**488.3191**	244.6632
934.3319	**467.6696**	8	L	3	**375.2350**	188.1212
1021.3639	**511.1856**	9	S	2	**262.1510**	131.5791
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TQSS$_{167}$K$_{136}$DS$_{167}$IGGNITTK$_{136}$L/2

0.9805

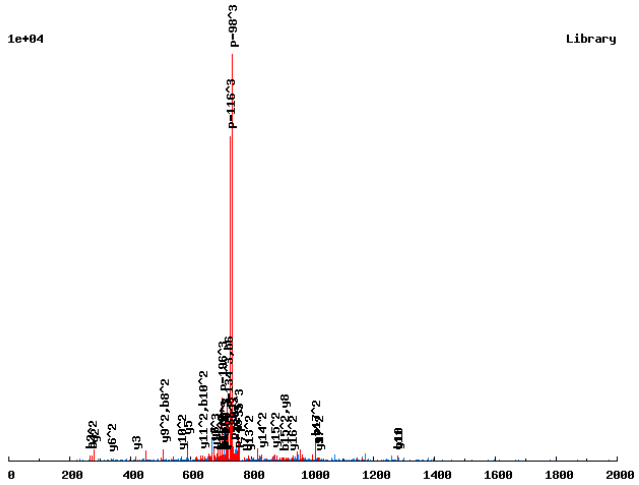


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	15		
230.1135	115.5604	2	Q	14	1611.6998	**806.3535**
317.1456	159.0764	3	S	13	1483.6412	**742.3242**
484.1439	242.5756	4	S[167]	12	**1396.6091**	**698.8082**
620.2531	310.6302	5	K[136]	11	**1229.6108**	**615.3090**
735.2800	368.1437	6	D	10	**1093.5016**	547.2545
902.2784	451.6428	7	S[167]	9	**978.4747**	489.7410
1015.3625	508.1849	8	I	8	**811.4763**	406.2418
1072.3839	536.6956	9	G	7	**698.3923**	349.6998
1129.4054	565.2063	10	G	6	**641.3708**	321.1890
1243.4483	622.2278	11	N	5	584.3493	292.6783
1356.5324	678.7698	12	I	4	470.3064	235.6568
1457.5800	729.2937	13	T	3	**357.2224**	179.1148
1558.6277	**779.8175**	14	T	2	256.1747	128.5910
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.TR$_{166}$S$_{167}$LSSQS$_{167}$FDNETSPAHPR$_{166}$.S/3

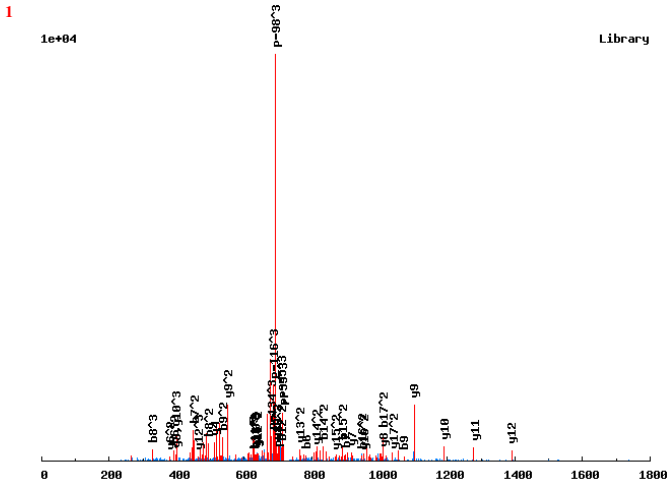
0.7219



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	19			
268.1643	134.5858	90.0596	2	R[166]	18	2195.9021	1098.4547	732.6389
435.1627	218.0850	145.7258	3	S[167]	17	2029.7928	**1015.4000**	**677.2691**
548.2468	**274.6270**	183.4204	4	L	16	1862.7944	**931.9008**	621.6030
635.2788	318.1430	212.4311	5	S	15	1749.7103	**875.3588**	583.9083
722.3108	361.6591	241.4418	6	S	14	1662.6783	**831.8428**	554.8976
850.3694	425.6883	284.1280	7	Q	13	1575.6463	**788.3268**	525.8869
1017.3678	**509.1875**	339.7941	8	S[167]	12	1447.5877	724.2975	483.2008
1164.4362	582.7217	388.8169	9	F	11	**1280.5893**	**640.7983**	427.5346
1279.4631	**640.2352**	427.1592	10	D	10	1133.5209	**567.2641**	378.5118
1393.5060	**697.2567**	465.1735	11	N	9	**1018.4940**	**509.7506**	340.1695
1522.5486	761.7780	508.1877	12	E	8	**904.4511**	452.7292	302.1552
1623.5963	812.3018	541.8703	13	T	7	**775.4085**	388.2079	259.1410
1710.6283	855.8178	570.8810	14	S	6	**674.3608**	**337.6840**	225.4584
1807.6811	**904.3442**	603.2319	15	P	5	**587.3288**	294.1680	196.4478
1878.7182	939.8627	626.9109	16	A	4	490.2760	245.6416	164.0969
2015.7771	**1008.3922**	672.5972	17	H	3	**419.2389**	210.1231	140.4178
2112.8299	1056.9186	**704.9481**	18	P	2	**282.1800**	141.5936	94.7315
			19	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.TR$_{166}$S$_{167}$NPHDSSPSYQDDLEK$_{136}$.A/3

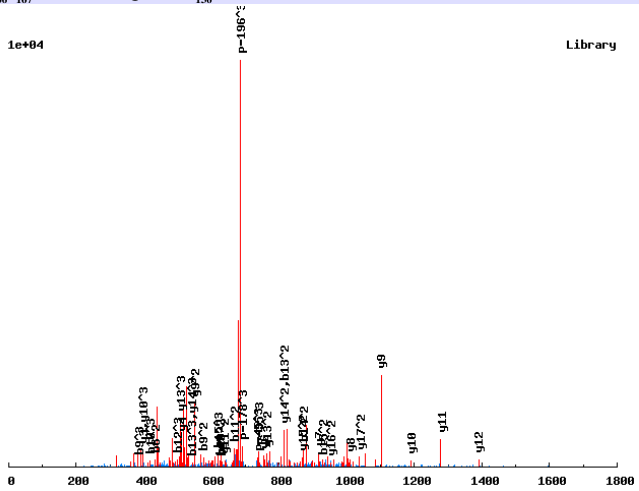


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	18			
268.1643	134.5858	90.0596	2	R[166]	17	2072.8676	**1036.9374**	691.6274
435.1627	218.0850	145.7258	3	S[167]	16	1906.7582	**953.8827**	**636.2576**
549.2056	275.1065	183.7401	4	N	15	1739.7598	**870.3836**	580.5915
646.2584	323.6328	216.0910	5	P	14	1625.7169	**813.3621**	542.5772
783.3173	**392.1623**	261.7773	6	H	13	1528.6641	**764.8357**	510.2262
898.3442	**449.6758**	300.1196	7	D	12	**1391.6052**	**696.3063**	**464.5399**
985.3763	**493.1918**	**329.1303**	8	S	11	**1276.5783**	**638.7928**	426.1976
1072.4083	**536.7078**	358.1410	9	S	10	**1189.5463**	595.2768	**397.1869**
1169.4611	585.2342	390.4919	10	P	9	**1102.5142**	**551.7608**	368.1763
1256.4931	**628.7502**	419.5026	11	S	8	**1005.4615**	503.2344	335.8253
1419.5564	**710.2819**	473.8570	12	Y	7	**918.4294**	459.7184	306.8147
1547.6150	774.3111	516.5432	13	Q	6	755.3661	**378.1867**	252.4602
1662.6419	**831.8246**	554.8855	14	D	5	**627.3075**	314.1574	209.7740
1777.6689	**889.3381**	593.2278	15	D	4	**512.2806**	256.6439	171.4317
1890.7529	**945.8801**	**630.9225**	16	L	3	**397.2536**	199.1305	133.0894
2019.7955	**1010.4014**	673.9367	17	E	2	284.1696	142.5884	95.3947
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$R$_{166}$S$_{167}$NPHDSSPSYQDDLEK$_{136}$.A/3

0.9959

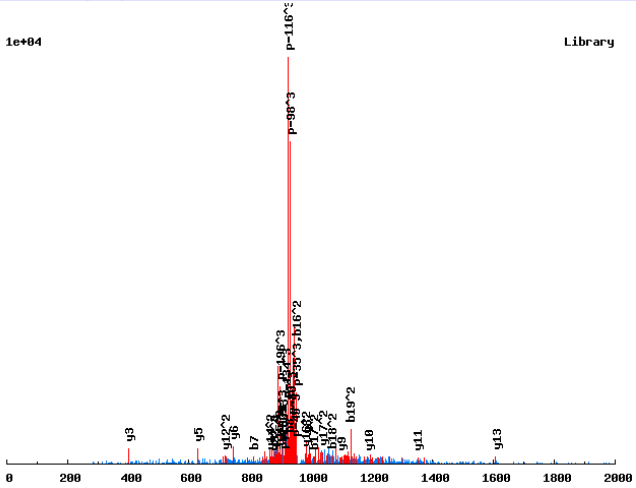


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	18			
348.1307	174.5690	116.7151	2	R[166]	17	2072.8676	**1036.9374**	691.6274
515.1290	258.0682	172.3812	3	S[167]	16	1906.7582	**953.8827**	636.2576
629.1720	315.0896	210.3955	4	N	15	1739.7598	**870.3836**	580.5915
726.2247	363.6160	242.7464	5	P	14	1625.7169	**813.3621**	**542.5772**
863.2836	**432.1455**	288.4327	6	H	13	1528.6641	**764.8357**	**510.2262**
978.3106	489.6589	326.7750	7	D	12	**1391.6052**	696.3063	464.5399
1065.3426	533.1749	355.7857	8	S	11	**1276.5783**	**638.7928**	426.1976
1152.3746	**576.6910**	**384.7964**	9	S	10	**1189.5463**	595.2768	**397.1869**
1249.4274	**625.2173**	**417.1473**	10	P	9	**1102.5142**	**551.7608**	368.1763
1336.4594	**668.7334**	446.1580	11	S	8	**1005.4615**	503.2344	335.8253
1499.5228	750.2650	**500.5124**	12	Y	7	**918.4294**	459.7184	306.8147
1627.5813	**814.2943**	**543.1986**	13	Q	6	**755.3661**	378.1867	252.4602
1742.6083	**871.8078**	581.5409	14	D	5	**627.3075**	314.1574	209.7740
1857.6352	**929.3212**	**619.8833**	15	D	4	**512.2806**	256.6439	171.4317
1970.7193	985.8633	657.5779	16	L	3	**397.2536**	199.1305	133.0894
2099.7619	1050.3846	700.5921	17	E	2	284.1696	142.5884	95.3947
			18	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.TRSPELQDNLKS$_{167}$S$_{167}$SLLQDQTPQR.Q/3

0.7337

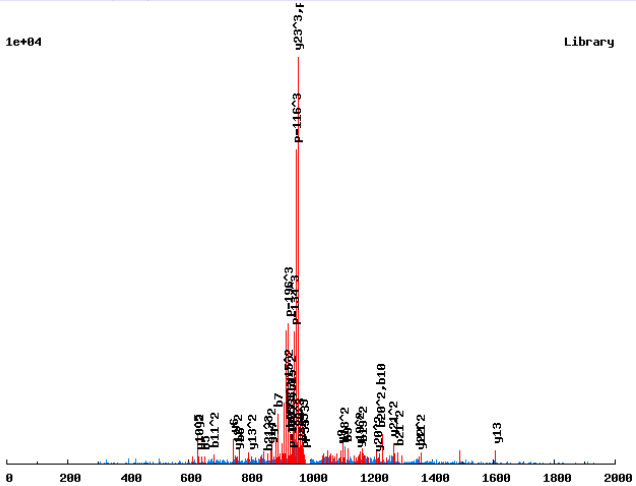


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	24			
258.1561	129.5817	86.7235	2	R	23	2787.2710	1394.1391	929.7619
345.1881	173.0977	115.7342	3	S	22	2631.1699	1316.0886	**877.7281**
442.2409	221.6241	148.0851	4	P	21	2544.1379	1272.5726	848.7175
571.2835	286.1454	191.0993	5	E	20	2447.0851	1224.0462	816.3666
684.3675	342.6874	228.7940	6	L	19	2318.0425	1159.5249	773.3524
812.4261	406.7167	271.4802	7	Q	18	2204.9584	1102.9829	735.6577
927.4530	464.2302	309.8225	8	D	17	2076.8999	**1038.9536**	692.9715
1041.4960	521.2516	347.8368	9	N	16	1961.8729	**981.4401**	654.6292
1154.5800	577.7937	385.5315	10	L	15	1847.8300	**924.4186**	616.6149
1282.6750	641.8411	428.2298	11	K	14	1734.7459	**867.8766**	578.9202
1449.6733	725.3403	483.8960	12	S[167]	13	**1606.6510**	803.8291	536.2218
1536.7054	768.8563	512.9066	13	S	12	1439.6526	**720.3299**	480.5557
1703.7037	852.3555	568.5728	14	S[167]	11	**1352.6206**	676.8139	451.5450
1790.7358	**895.8715**	597.5834	15	S	10	**1185.6222**	593.3148	395.8789
1903.8198	**952.4136**	635.2781	16	L	9	**1098.5902**	549.7987	366.8683
2016.9039	**1008.9556**	672.9728	17	L	8	**985.5061**	493.2567	329.1736
2144.9625	**1072.9849**	715.6590	18	Q	7	**872.4221**	436.7147	291.4789
2259.9894	**1130.4983**	754.0013	19	D	6	**744.3635**	372.6854	248.7927
2388.0480	1194.5276	796.6875	20	Q	5	**629.3366**	315.1719	210.4504
2489.0957	1245.0515	830.3701	21	T	4	501.2780	251.1426	167.7642
2586.1484	1293.5779	862.7210	22	P	3	**400.2303**	200.6188	134.0816
2714.2070	1357.6071	**905.4072**	23	Q	2	303.1775	152.0924	101.7307
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.TRS$_{167}$PELQDNLKSS$_{167}$SS$_{167}$LLQDQTPQR.Q/3

0.9904

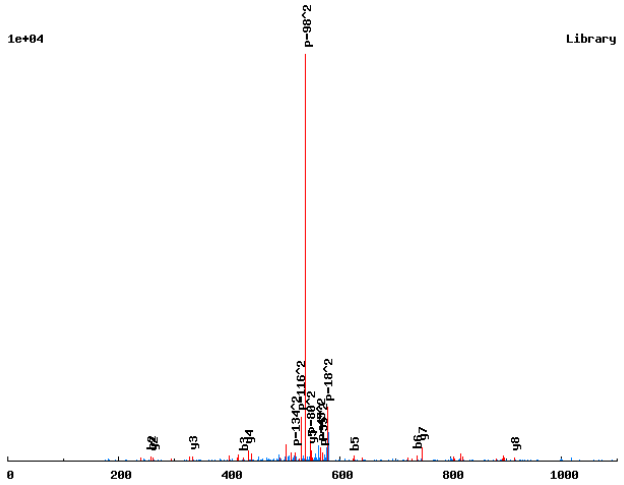


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	24			
258.1561	129.5817	86.7235	2	R	23	2867.2373	1434.1223	**956.4173**
425.1544	213.0809	142.3897	3	S[167]	22	2711.1362	**1356.0717**	904.3836
522.2072	261.6072	174.7406	4	P	21	2544.1379	**1272.5726**	848.7175
651.2498	326.1285	217.7548	5	E	20	2447.0851	**1224.0462**	816.3666
764.3338	382.6706	255.4495	6	L	19	2318.0425	**1159.5249**	773.3524
892.3924	446.6999	298.1357	7	Q	18	2204.9584	1102.9829	735.6577
1007.4194	504.2133	336.4780	8	D	17	2076.8999	1038.9536	692.9715
1121.4623	561.2348	374.4923	9	N	16	1961.8729	981.4401	654.6292
1234.5464	617.7768	412.1870	10	L	15	1847.8300	**924.4186**	616.6149
1362.6413	**681.8243**	454.8853	11	K	14	1734.7459	**867.8766**	578.9202
1449.6733	725.3403	483.8960	12	S	13	**1606.6510**	**803.8291**	536.2218
1616.6717	808.8395	539.5621	13	S[167]	12	1519.6189	**760.3131**	507.2112
1703.7037	852.3555	568.5728	14	S	11	1352.6206	676.8139	451.5450
1870.7021	**935.8547**	624.2389	15	S[167]	10	1265.5886	**633.2979**	422.5344
1983.7862	992.3967	661.9336	16	L	9	**1098.5902**	549.7987	366.8683
2096.8702	1048.9387	699.6283	17	L	8	985.5061	493.2567	329.1736
2224.9288	**1112.9680**	742.3145	18	Q	7	**872.4221**	436.7147	291.4789
2339.9557	**1170.4815**	780.6568	19	D	6	**744.3635**	372.6854	248.7927
2468.0143	**1234.5108**	823.3430	20	Q	5	**629.3366**	315.1719	210.4504
2569.0620	**1285.0346**	**857.0255**	21	T	4	501.2780	251.1426	167.7642
2666.1148	1333.5610	889.3764	22	P	3	400.2303	200.6188	134.0816
2794.1733	1397.5903	**932.0626**	23	Q	2	303.1775	152.0924	101.7307
			24	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.TRS$_{167}$SILTASR.K/2

0.9812

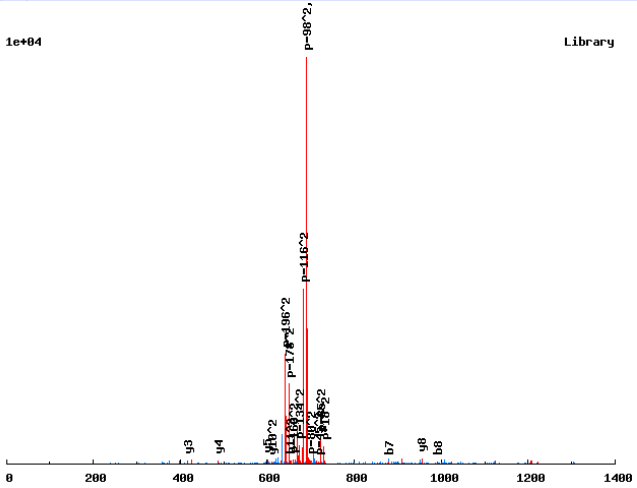


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	10		
258.1561	129.5817	2	R	9	1070.5354	535.7713
425.1544	213.0809	3	S[167]	8	**914.4343**	457.7208
512.1865	256.5969	4	S	7	**747.4359**	374.2216
625.2705	313.1389	5	I	6	660.4039	330.7056
738.3546	369.6809	6	L	5	**547.3198**	274.1636
839.4023	420.2048	7	T	4	**434.2358**	217.6215
910.4394	455.7233	8	A	3	**333.1881**	167.0977
997.4714	499.2393	9	S	2	**262.1510**	131.5791
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TRVS$_{167}$S$_{167}$TSLALKR.Y/2

0.9845

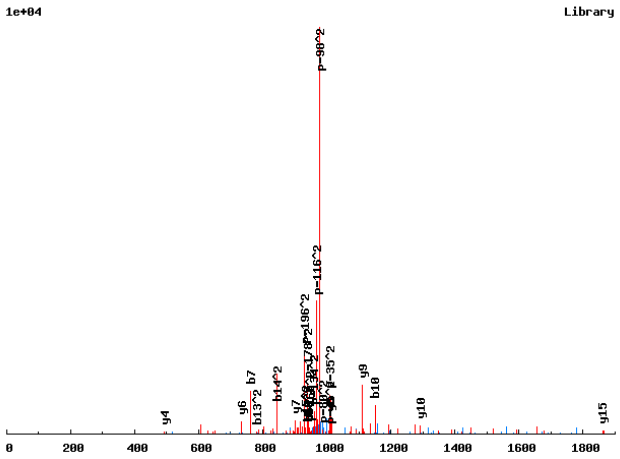


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	12		
258.1561	129.5817	2	R	11	1377.6651	689.3362
357.2245	179.1159	3	V	10	1221.5640	**611.2856**
524.2228	262.6151	4	S[167]	9	1122.4956	561.7514
691.2212	346.1142	5	S[167]	8	**955.4972**	478.2522
792.2689	396.6381	6	T	7	788.4989	394.7531
879.3009	440.1541	7	S	6	687.4512	344.2292
992.3850	496.6961	8	L	5	**600.4191**	300.7132
1063.4221	532.2147	9	A	4	**487.3351**	244.1712
1176.5061	588.7567	10	L	3	**416.2980**	208.6526
1304.6011	**652.8042**	11	K	2	303.2139	152.1106
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TSATREDT$_{181}$PLS$_{167}$QNESTR.A/2

0.9985

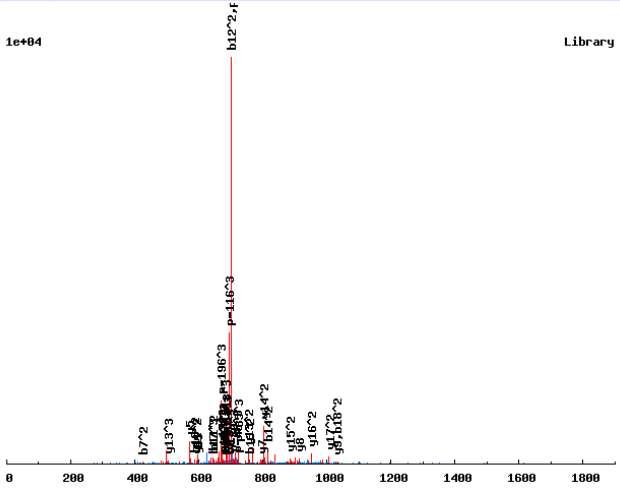


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
189.0870	95.0471	2	S	16	1951.7794	976.3933
260.1241	130.5657	3	A	15	**1864.7474**	**932.8773**
361.1718	181.0895	4	T	14	1793.7103	897.3588
517.2729	259.1401	5	R	13	1692.6626	846.8349
646.3155	323.6614	6	E	12	1536.5615	768.7844
761.3424	381.1749	7	D	11	1407.5189	704.2631
942.3564	471.6819	8	T[181]	10	**1292.4920**	646.7496
1039.4092	520.2082	9	P	9	**1111.4779**	556.2426
1152.4933	576.7503	10	L	8	**1014.4252**	507.7162
1319.4916	660.2494	11	S[167]	7	**901.3411**	451.1742
1447.5502	724.2787	12	Q	6	**734.3428**	367.6750
1561.5931	**781.3002**	13	N	5	606.2842	303.6457
1690.6357	**845.8215**	14	E	4	**492.2412**	246.6243
1777.6677	889.3375	15	S	3	363.1987	182.1030
1878.7154	**939.8614**	16	T	2	276.1666	138.5870
		17	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.TSIKS$_{167}$PRS$_{167}$SADNLLPSLQK.S/3

0.9611

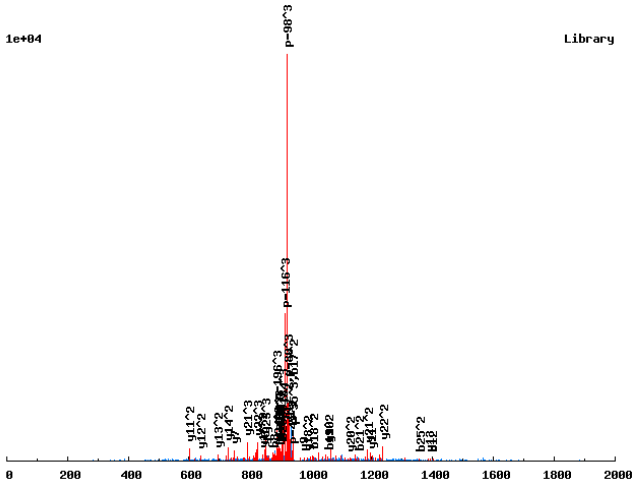


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	19			
189.0870	95.0471	63.7005	2	S	18	2101.0090	1051.0081	701.0079
302.1710	151.5892	101.3952	3	I	17	2013.9770	**1007.4921**	**671.9972**
430.2660	215.6366	144.0935	4	K	16	1900.8929	**950.9501**	634.3025
597.2644	299.1358	199.7596	5	S[167]	15	1772.7980	**886.9026**	591.6042
694.3171	347.6622	232.1106	6	P	14	1605.7996	**803.4034**	535.9381
850.4182	**425.7128**	284.1443	7	R	13	1508.7468	**754.8771**	**503.5871**
1017.4166	509.2119	339.8104	8	S[167]	12	1352.6457	**676.8265**	451.5534
1104.4486	552.7280	368.8211	9	S	11	1185.6474	**593.3273**	395.8873
1175.4857	**588.2465**	392.5001	10	A	10	1098.6153	549.8113	366.8766
1290.5127	**645.7600**	430.8424	11	D	9	**1027.5782**	514.2928	343.1976
1404.5556	**702.7814**	468.8567	12	N	8	**912.5513**	456.7793	304.8553
1517.6397	**759.3235**	506.5514	13	L	7	**798.5084**	399.7578	266.8410
1630.7237	**815.8655**	544.2461	14	L	6	**685.4243**	343.2158	229.1463
1727.7765	864.3919	576.5970	15	P	5	**572.3402**	286.6738	191.4516
1814.8085	907.9079	605.6077	16	S	4	475.2875	238.1474	159.1007
1927.8926	964.4499	**643.3024**	17	L	3	388.2554	194.6314	130.0900
2055.9512	**1028.4792**	**685.9886**	18	Q	2	275.1714	138.0893	92.3953
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TSLSPINS$_{167}$KS$_{167}$NIALAHSETPTSSNNK.E/3

0.9623

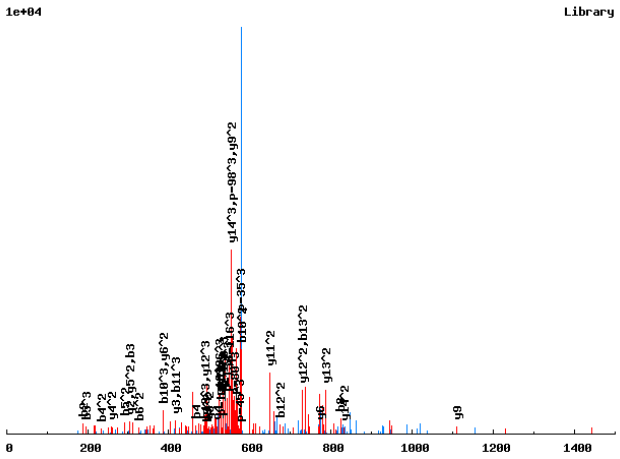


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	26			
189.0870	95.0471	63.7005	2	S	25	2757.2492	1379.1282	919.7546
302.1710	151.5892	101.3952	3	L	24	2670.2172	1335.6122	**890.7439**
389.2031	195.1052	130.4059	4	S	23	2557.1331	1279.0702	**853.0492**
486.2558	243.6316	162.7568	5	P	22	2470.1011	**1235.5542**	**824.0385**
599.3399	300.1736	200.4515	6	I	21	2373.0483	**1187.0278**	**791.6876**
713.3828	357.1951	238.4658	7	N	20	2259.9643	**1130.4858**	753.9929
880.3812	440.6942	294.1319	8	S[167]	19	2145.9213	1073.4643	715.9786
1008.4762	504.7417	336.8302	9	K	18	1978.9230	**989.9651**	660.3125
1175.4745	588.2409	392.4964	10	S[167]	17	1850.8280	**925.9176**	617.6142
1289.5174	645.2624	430.5107	11	N	16	1683.8296	**842.4185**	561.9481
1402.6015	701.8044	468.2054	12	I	15	1569.7867	785.3970	523.9338
1473.6386	737.3229	491.8844	13	A	14	1456.7026	**728.8550**	486.2391
1586.7227	793.8650	529.5791	14	L	13	**1385.6655**	**693.3364**	462.5600
1657.7598	829.3835	553.2581	15	A	12	1272.5815	**636.7944**	424.8653
1794.8187	**897.9130**	598.9444	16	H	11	**1201.5444**	**601.2758**	401.1863
1881.8507	**941.4290**	627.9551	17	S	10	**1064.4855**	532.7464	355.5000
2010.8933	**1005.9503**	670.9693	18	E	9	**977.4534**	489.2304	326.4893
2111.9410	**1056.4741**	704.6519	19	T	8	**848.4108**	424.7091	283.4751
2208.9938	1105.0005	737.0028	20	P	7	**747.3632**	374.1852	249.7926
2310.0414	**1155.5244**	770.6853	21	T	6	650.3104	325.6588	217.4417
2397.0735	1199.0404	799.6960	22	S	5	549.2627	275.1350	183.7591
2484.1055	1242.5564	828.7067	23	S	4	462.2307	231.6190	154.7484
2598.1484	1299.5779	866.7210	24	N	3	375.1987	188.1030	125.7377
2712.1914	**1356.5993**	**904.7353**	25	N	2	261.1557	131.0815	87.7234
			26	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.TSNYDANGS$_{167}$S$_{167}$STIKR.-/3

0.7645

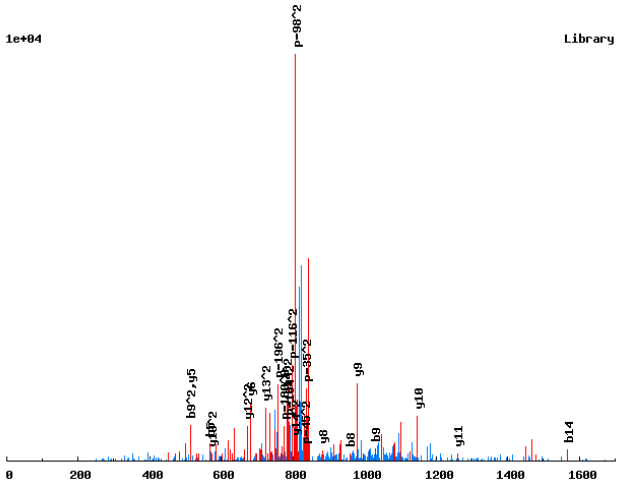


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	15			
189.0870	95.0471	63.7005	2	S	14	1659.6411	**830.3242**	**553.8852**
303.1299	152.0686	101.7148	3	N	13	1572.6091	**786.8082**	**524.8746**
466.1932	**233.6003**	156.0693	4	Y	12	1458.5662	**729.7867**	**486.8602**
581.2202	**291.1137**	**194.4116**	5	D	11	1295.5028	**648.2551**	432.5058
652.2573	**326.6323**	218.0906	6	A	10	1180.4759	590.7416	394.1635
766.3002	383.6538	256.1049	7	N	9	**1109.4388**	**555.2230**	370.4845
823.3217	412.1645	275.1121	8	G	8	995.3959	**498.2016**	332.4701
990.3201	**495.6637**	330.7782	9	S[167]	7	938.3744	469.6908	313.4630
1157.3184	**579.1628**	**386.4443**	10	S[167]	6	**771.3760**	**386.1917**	257.7969
1244.3504	622.6789	**415.4550**	11	S	5	604.3777	**302.6925**	202.1307
1345.3981	**673.2027**	449.1376	12	T	4	**517.3456**	**259.1765**	173.1201
1458.4822	**729.7447**	**486.8322**	13	I	3	**416.2980**	208.6526	139.4375
1586.5771	793.7922	**529.5306**	14	K	2	**303.2139**	152.1106	101.7428
			15	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.TS$_{167}$PSNS$_{167}$PEAS$_{167}$PSLAK.I/2

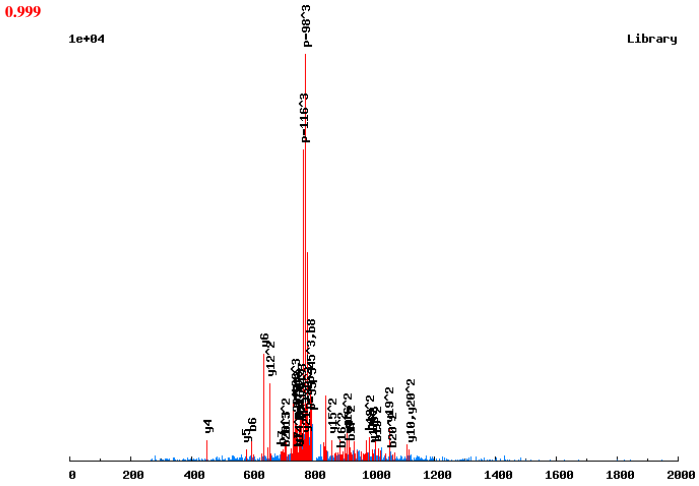
0.9777



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	15		
269.0533	135.0303	2	S[167]	14	1611.5740	**806.2907**
366.1061	183.5567	3	P	13	1444.5757	**722.7915**
453.1381	227.0727	4	S	12	1347.5229	**674.2651**
567.1810	284.0942	5	N	11	**1260.4909**	630.7491
734.1794	367.5933	6	S[167]	10	**1146.4479**	**573.7276**
831.2322	416.1197	7	P	9	**979.4496**	490.2284
960.2748	480.6410	8	E	8	**882.3968**	441.7021
1031.3119	**516.1596**	9	A	7	753.3542	377.1808
1198.3102	599.6588	10	S[167]	6	**682.3171**	341.6622
1295.3630	648.1851	11	P	5	**515.3188**	258.1630
1382.3950	691.7011	12	S	4	418.2660	209.6366
1495.4791	748.2432	13	L	3	331.2340	166.1206
1566.5162	**783.7617**	14	A	2	218.1499	109.5786
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.TSQGGR$_{166}$PVT$_{181}$QNSISS$_{167}$IGQGPLR$_{166}$.S/3

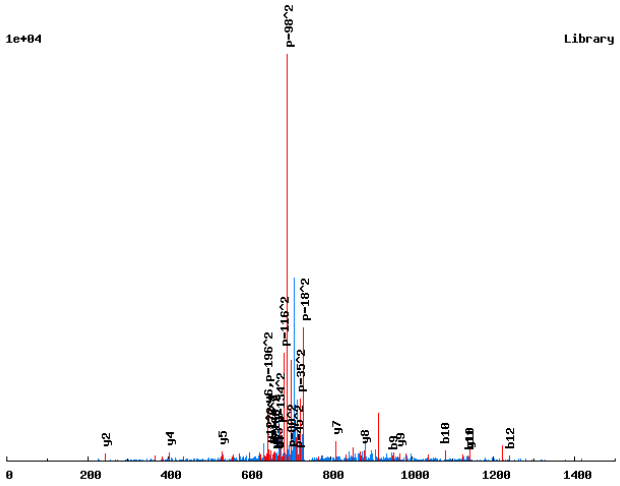


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	22			
189.0870	95.0471	63.7005	2	S	21	2319.0757	1160.0415	**773.6967**
317.1456	159.0764	106.3867	3	Q	20	2232.0436	**1116.5255**	**744.6861**
374.1670	187.5872	125.3939	4	G	19	2103.9851	**1052.4962**	701.9999
431.1885	216.0979	144.4010	5	G	18	2046.9636	1023.9854	682.9927
597.2979	299.1526	199.7708	6	R[166]	17	1989.9421	**995.4747**	663.9856
694.3506	347.6790	232.1217	7	P	16	1823.8328	**912.4200**	608.6158
793.4190	397.2132	265.1445	8	V	15	1726.7800	**863.8936**	576.2649
974.4331	487.7202	325.4825	9	T[181]	14	1627.7116	814.3594	543.2421
1102.4916	551.7495	368.1687	10	Q	13	1446.6976	723.8524	482.9041
1216.5346	608.7709	406.1830	11	N	12	1318.6390	**659.8231**	440.2179
1303.5666	652.2869	435.1937	12	S	11	1204.5961	602.8017	402.2035
1416.6507	**708.8290**	472.8884	13	I	10	**1117.5641**	559.2857	373.1929
1503.6827	**752.3450**	501.8991	14	S	9	**1004.4800**	502.7436	335.4982
1670.6810	835.8442	557.5652	15	S[167]	8	**917.4480**	459.2276	306.4875
1783.7651	**892.3862**	595.2599	16	I	7	**750.4496**	375.7284	250.8214
1840.7866	**920.8969**	614.2670	17	G	6	**637.3655**	319.1864	213.1267
1968.8451	**984.9262**	656.9532	18	Q	5	**580.3441**	290.6757	194.1195
2025.8666	**1013.4369**	675.9604	19	G	4	**452.2855**	226.6464	151.4334
2122.9194	**1061.9633**	**708.3113**	20	P	3	395.2640	198.1357	132.4262
2236.0034	1118.5054	746.0060	21	L	2	298.2113	149.6093	100.0753
			22	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.TSSAS$_{167}$SAS$_{167}$LEGTPK.L/2

0.8561

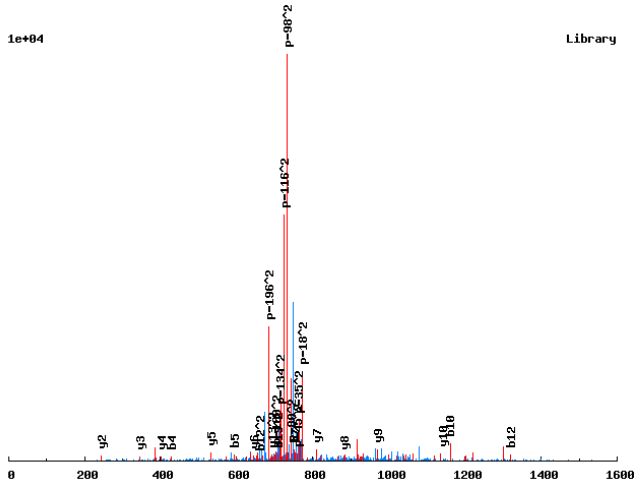


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	14		
189.0870	95.0471	2	S	13	1381.5284	691.2678
276.1190	138.5631	3	S	12	1294.4964	**647.7518**
347.1561	174.0817	4	A	11	1207.4643	604.2358
514.1545	257.5809	5	S[167]	10	**1136.4272**	568.7172
601.1865	301.0969	6	S	9	**969.4289**	485.2181
672.2236	336.6155	7	A	8	**882.3968**	441.7021
839.2220	420.1146	8	S[167]	7	**811.3597**	406.1835
952.3061	476.6567	9	L	6	**644.3614**	322.6843
1081.3486	541.1780	10	E	5	**531.2773**	266.1423
1138.3701	569.6887	11	G	4	**402.2347**	201.6210
1239.4178	620.2125	12	T	3	345.2132	173.1103
1336.4705	**668.7389**	13	P	2	**244.1656**	122.5864
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$SSAS$_{167}$SAS$_{167}$LEGTPK.L/2

0.7001

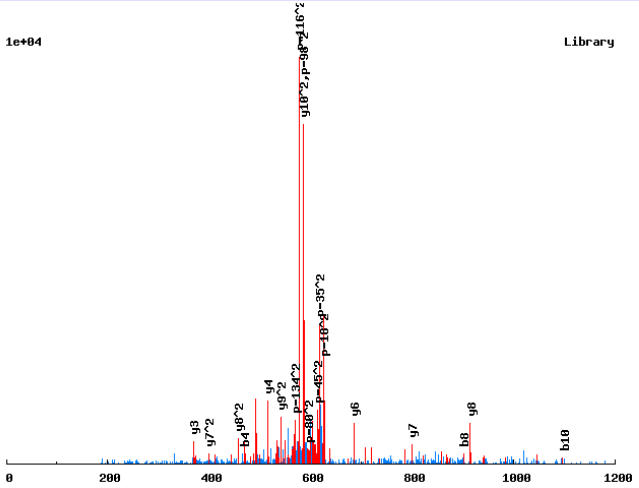


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	14		
269.0533	135.0303	2	S	13	1381.5284	**691.2678**
356.0854	178.5463	3	S	12	1294.4964	647.7518
427.1225	214.0649	4	A	11	1207.4643	604.2358
594.1208	297.5641	5	S[167]	10	**1136.4272**	568.7172
681.1529	341.0801	6	S	9	**969.4289**	485.2181
752.1900	376.5986	7	A	8	**882.3968**	441.7021
919.1883	460.0978	8	S[167]	7	**811.3597**	406.1835
1032.2724	516.6398	9	L	6	**644.3614**	322.6843
1161.3150	581.1611	10	E	5	**531.2773**	266.1423
1218.3364	609.6719	11	G	4	**402.2347**	201.6210
1319.3841	**660.1957**	12	T	3	**345.2132**	173.1103
1416.4369	**708.7221**	13	P	2	**244.1656**	122.5864
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.TSS$_{167}$DLGIFGHR.Y/2

0.9228

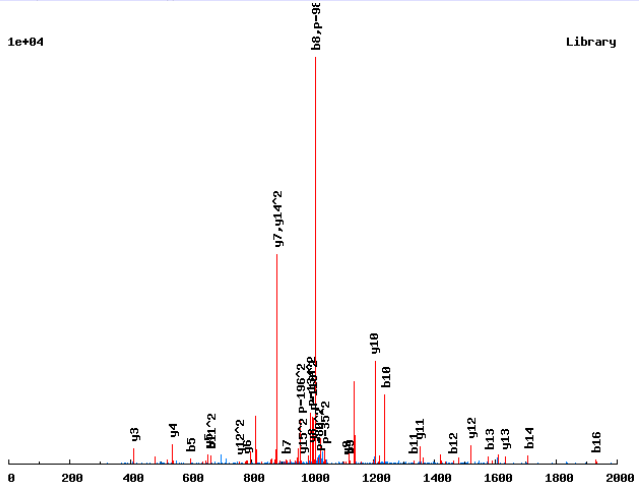


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
189.0870	95.0471	2	S	10	1168.5146	**584.7610**
356.0854	178.5463	3	S[167]	9	1081.4826	**541.2449**
471.1123	236.0598	4	D	8	**914.4843**	**457.7458**
584.1964	292.6018	5	L	7	**799.4573**	**400.2323**
641.2178	321.1125	6	G	6	**686.3732**	343.6903
754.3019	377.6546	7	I	5	629.3518	315.1795
901.3703	451.1888	8	F	4	**516.2677**	258.6375
958.3917	479.6995	9	G	3	**369.1993**	185.1033
1095.4507	548.2290	10	H	2	312.1779	156.5926
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TSS$_{167}$QLS$_{167}$FPNIPEDEPQR$_{166}$.N/2

0.9999

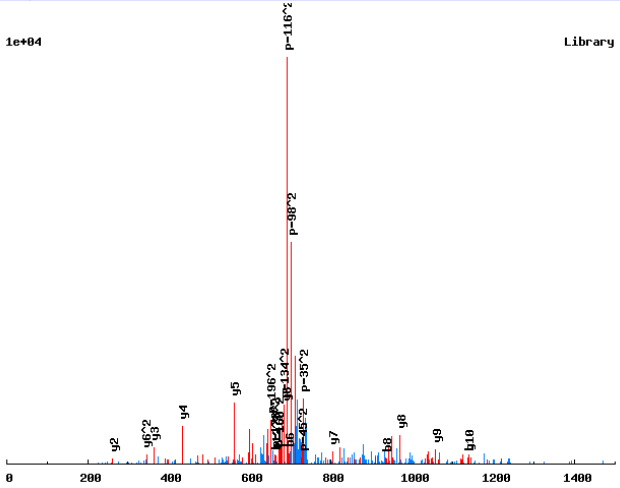


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
189.0870	95.0471	2	S	16	2013.8230	1007.4151
356.0854	178.5463	3	S[167]	15	1926.7910	**963.8991**
484.1439	242.5756	4	Q	14	1759.7926	**880.3999**
597.2280	299.1176	5	L	13	**1631.7340**	816.3706
764.2264	382.6168	6	S[167]	12	**1518.6500**	**759.8286**
911.2948	456.1510	7	F	11	**1351.6516**	676.3294
1008.3475	504.6774	8	P	10	**1204.5832**	602.7952
1122.3905	561.6989	9	N	9	**1107.5304**	554.2689
1235.4745	618.2409	10	I	8	**993.4875**	497.2474
1332.5273	**666.7673**	11	P	7	**880.4034**	440.7054
1461.5699	731.2886	12	E	6	**783.3507**	392.1790
1576.5968	788.8020	13	D	5	**654.3081**	327.6577
1705.6394	853.3233	14	E	4	**539.2811**	270.1442
1802.6922	901.8497	15	P	3	**410.2386**	205.6229
1930.7507	965.8790	16	Q	2	313.1858	157.0965
		17	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$SSSSS$_{167}$LQQATSR.L/2

0.6386

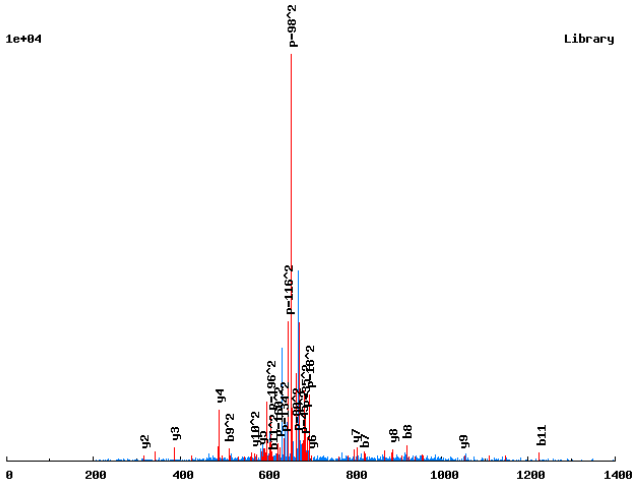


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	13		
269.0533	135.0303	2	S	12	1318.5635	659.7854
356.0854	178.5463	3	S	11	1231.5314	616.2694
443.1174	222.0623	4	S	10	**1144.4994**	572.7533
530.1494	265.5783	5	S	9	**1057.4674**	529.2373
697.1478	349.0775	6	S[167]	8	**970.4354**	485.7213
810.2318	405.6196	7	L	7	**803.4370**	402.2221
938.2904	469.6488	8	Q	6	**690.3529**	**345.6801**
1066.3490	533.6781	9	Q	5	**562.2944**	281.6508
1137.3861	569.1967	10	A	4	**434.2358**	217.6215
1238.4338	619.7205	11	T	3	**363.1987**	182.1030
1325.4658	**663.2365**	12	S	2	**262.1510**	131.5791
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$SSS$_{167}$SVNVTAMR$_{166}$.S/2

0.996

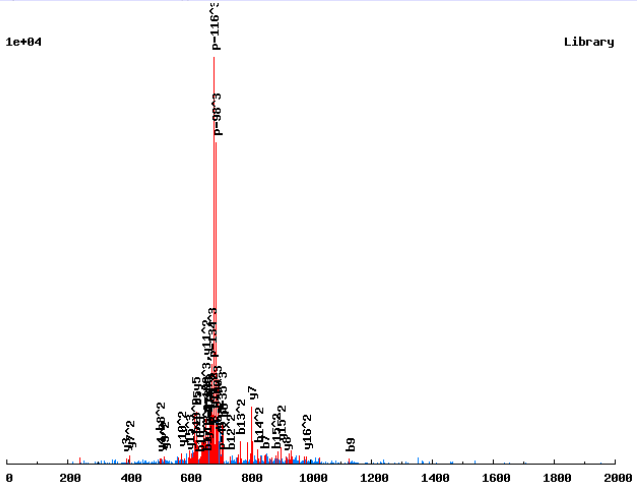


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	12		
269.0533	135.0303	2	S	11	1228.5267	614.7670
356.0854	178.5463	3	S	10	1141.4947	**571.2510**
523.0837	262.0455	4	S[167]	9	**1054.4626**	527.7350
610.1157	305.5615	5	S	8	**887.4643**	444.2358
709.1842	355.0957	6	V	7	**800.4322**	400.7198
823.2271	412.1172	7	N	6	**701.3638**	351.1856
922.2955	461.6514	8	V	5	**587.3209**	294.1641
1023.3432	**512.1752**	9	T	4	**488.2525**	244.6299
1094.3803	547.6938	10	A	3	**387.2048**	194.1060
1225.4208	**613.2140**	11	M	2	**316.1677**	158.5875
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.TSS$_{167}$T$_{181}$SSHYNNINADLHAR$_{166}$.V/3

0.9994

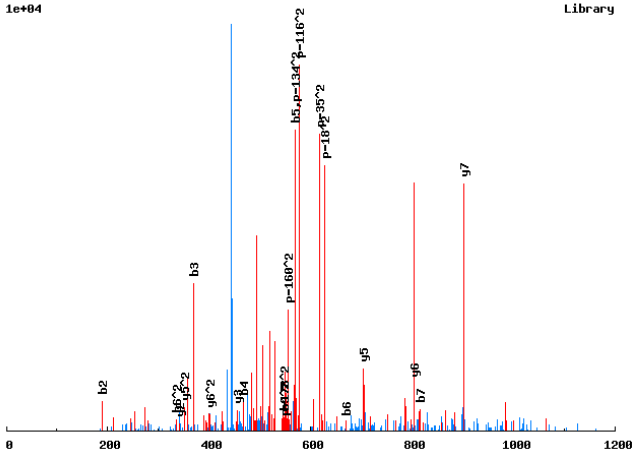


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	18			
189.0870	95.0471	63.7005	2	S	17	2056.8149	1028.9111	686.2765
356.0854	178.5463	119.3666	3	S[167]	16	1969.7829	**985.3951**	**657.2658**
537.0994	269.0533	179.7046	4	T[181]	15	1802.7845	**901.8959**	**601.5997**
624.1314	312.5693	208.7153	5	S	14	1621.7705	811.3889	541.2617
711.1634	356.0854	237.7260	6	S	13	1534.7385	767.8729	512.2510
848.2223	424.6148	283.4123	7	H	12	1447.7064	724.3569	483.2403
1011.2857	**506.1465**	337.7667	8	Y	11	1310.6475	**655.8274**	437.5540
1125.3286	563.1679	375.7811	9	N	10	1147.5842	**574.2957**	383.1996
1239.3715	**620.1894**	413.7954	10	N	9	1033.5413	**517.2743**	345.1853
1352.4556	**676.7314**	451.4900	11	I	8	**919.4983**	460.2528	307.1710
1466.4985	**733.7529**	489.5044	12	N	7	**806.4143**	**403.7108**	269.4763
1537.5356	**769.2715**	513.1834	13	A	6	**692.3713**	346.6893	231.4620
1652.5626	**826.7849**	551.5257	14	D	5	**621.3342**	311.1708	207.7829
1765.6466	**883.3270**	589.2204	15	L	4	**506.3073**	253.6573	169.4406
1902.7055	951.8564	**634.9067**	16	H	3	**393.2232**	197.1153	131.7459
1973.7426	987.3750	**658.5857**	17	A	2	256.1643	128.5858	86.0596
			18	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

K.TST$_{181}$PTTM$_{147}$LS$_{167}$R.S/2

0.9025

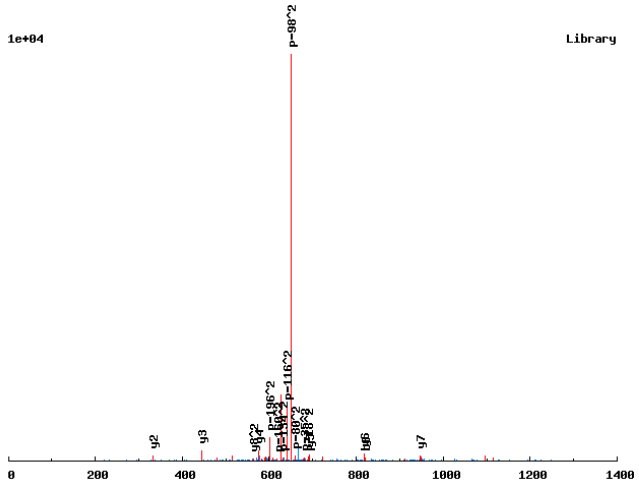


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	10		
189.0870	95.0471	2	S	9	1169.4309	585.2191
370.1010	185.5541	3	T[181]	8	1082.3989	541.7031
467.1538	234.0805	4	P	7	**901.3849**	451.1961
568.2014	284.6044	5	T	6	**804.3321**	**402.6697**
669.2491	**335.1282**	6	T	5	**703.2845**	**352.1459**
816.2845	408.6459	7	M[147]	4	602.2368	301.6220
929.3686	465.1879	8	L	3	**455.2014**	228.1043
1096.3669	**548.6871**	9	S[167]	2	**342.1173**	171.5623
		10	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TS$_{167}$T$_{181}$QQDMLFR$_{166}$.V/2

0.9769

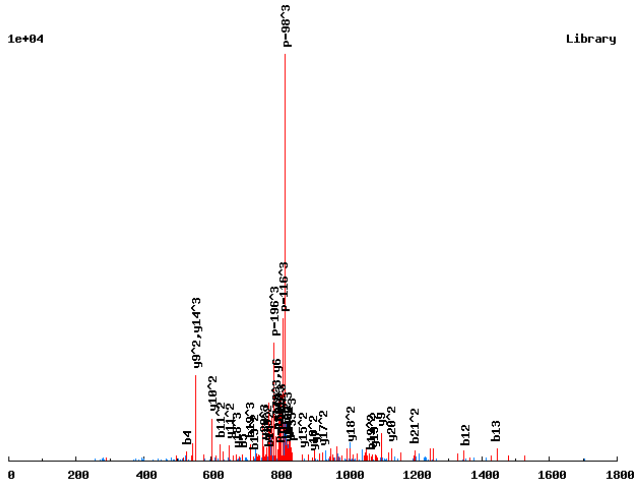


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	10		
269.0533	135.0303	2	S[167]	9	1295.4767	648.2420
450.0673	225.5373	3	T[181]	8	1128.4783	**564.7428**
578.1259	289.5666	4	Q	7	**947.4643**	474.2358
706.1845	353.5959	5	Q	6	**819.4057**	410.2065
821.2114	411.1094	6	D	5	**691.3471**	346.1772
952.2519	476.6296	7	M	4	**576.3202**	288.6637
1065.3360	533.1716	8	L	3	**445.2797**	223.1435
1212.4044	606.7058	9	F	2	**332.1956**	166.6015
		10	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$TDQS$_{167}$GGSKS$_{167}$GVVPTDEQKEEK.S/3

0.7695

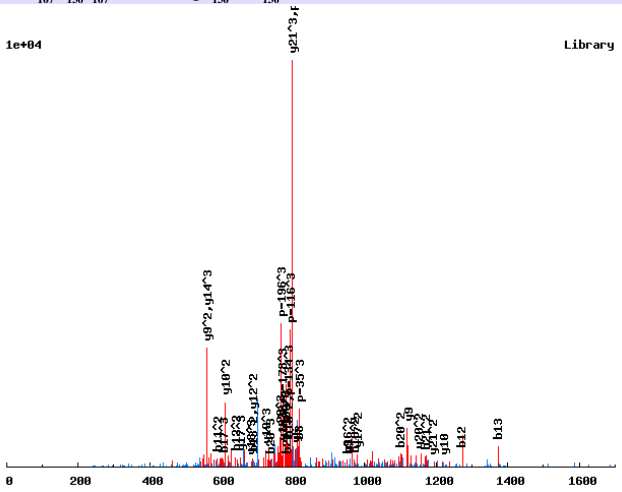


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	22			
283.0690	142.0381	95.0278	2	T	21	2365.9796	1183.4934	789.3314
398.0959	199.5516	133.3702	3	D	20	2264.9319	**1132.9696**	**755.6488**
526.1545	263.5809	176.0564	4	Q	19	2149.9050	**1075.4561**	717.3065
693.1529	347.0801	231.7225	5	S[167]	18	2021.8464	**1011.4268**	**674.6203**
750.1743	375.5908	250.7296	6	G	17	1854.8480	**927.9277**	618.9542
807.1958	404.1015	269.7368	7	G	16	1797.8266	**899.4169**	599.9470
894.2278	447.6175	298.7475	8	S	15	1740.8051	**870.9062**	580.9399
1022.3228	511.6650	341.4458	9	K	14	1653.7731	**827.3902**	**551.9292**
1189.3211	595.1642	397.1119	10	S[167]	13	1525.6781	**763.3427**	509.2309
1246.3426	**623.6749**	416.1190	11	G	12	1358.6798	679.8435	453.5648
1345.4110	673.2091	449.1419	12	V	11	1301.6583	**651.3328**	434.5576
1444.4794	**722.7433**	482.1647	13	V	10	1202.5899	**601.7986**	401.5348
1541.5322	**771.2697**	514.5156	14	P	9	**1103.5215**	**552.2644**	368.5120
1642.5798	**821.7936**	548.1981	15	T	8	1006.4687	503.7380	336.1611
1757.6068	879.3070	586.5404	16	D	7	**905.4211**	453.2142	302.4785
1886.6494	943.8283	629.5546	17	E	6	**790.3941**	395.7007	264.1362
2014.7080	1007.8576	672.2408	18	Q	5	661.3515	331.1794	221.1220
2142.8029	**1071.9051**	**714.9392**	19	K	4	533.2929	267.1501	178.4358
2271.8455	1136.4264	757.9534	20	E	3	405.1980	203.1026	135.7375
2400.8881	**1200.9477**	**800.9676**	21	E	2	276.1554	138.5813	92.7233
			22	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

R.TTDQSGGS$_{167}$K$_{136}$S$_{167}$GVVPTDEQK$_{136}$EEK$_{136}$.S/3

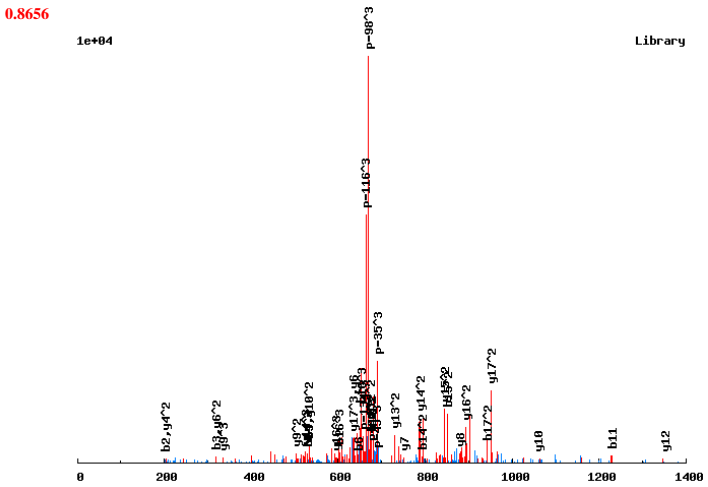
0.9678



b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	22			
203.1026	102.0550	68.3724	2	T	21	2390.0222	**1195.5147**	**797.3456**
318.1296	159.5684	106.7147	3	D	20	2288.9745	**1144.9909**	**763.6630**
446.1882	223.5977	149.4009	4	Q	19	2173.9476	1087.4774	**725.3207**
533.2202	267.1137	178.4116	5	S	18	2045.8890	1023.4481	**682.6345**
590.2417	295.6245	197.4187	6	G	17	1958.8570	**979.9321**	**653.6238**
647.2631	324.1352	216.4259	7	G	16	1901.8355	**951.4214**	634.6167
814.2615	407.6344	272.0920	8	S[167]	15	1844.8140	922.9107	615.6095
950.3706	475.6890	317.4617	9	K[136]	14	1677.8157	839.4115	**559.9434**
1117.3690	559.1881	373.1279	10	S[167]	13	1541.7065	**771.3569**	514.5737
1174.3905	**587.6989**	392.1350	11	G	12	1374.7082	**687.8577**	458.9076
1273.4589	**637.2331**	425.1578	12	V	11	1317.6867	659.3470	439.9004
1372.5273	**686.7673**	458.1806	13	V	10	**1218.6183**	**609.8128**	406.8776
1469.5800	735.2937	490.5315	14	P	9	**1119.5499**	**560.2786**	373.8548
1570.6277	**785.8175**	524.2141	15	T	8	1022.4971	511.7522	341.5039
1685.6547	843.3310	562.5564	16	D	7	921.4494	461.2284	307.8213
1814.6972	907.8523	**605.5706**	17	E	6	**806.4225**	403.7149	269.4790
1942.7558	**971.8816**	648.2568	18	Q	5	677.3799	339.1936	226.4648
2078.8650	1039.9361	693.6265	19	K[136]	4	549.3213	275.1643	183.7786
2207.9076	**1104.4574**	**736.6407**	20	E	3	413.2122	207.1097	138.4089
2336.9502	**1168.9787**	**779.6549**	21	E	2	284.1696	142.5884	95.3947
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.TTDVDLNS$_{167}$DGKKDNDTSAK.D/3

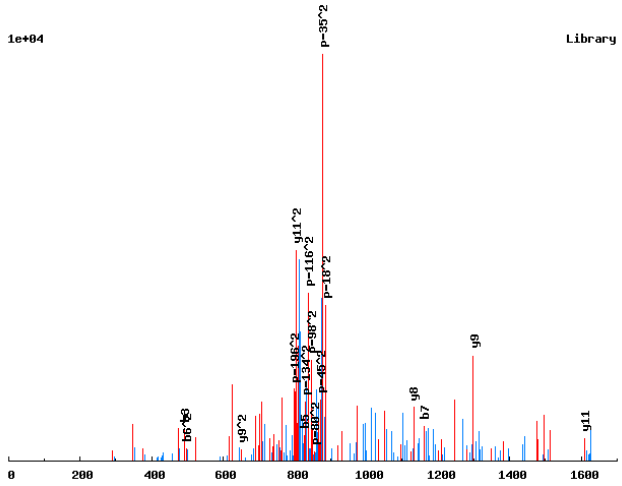


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	19			
203.1026	102.0550	68.3724	2	T	18	2002.8601	1001.9337	668.2915
318.1296	159.5684	106.7147	3	D	17	1901.8124	**951.4098**	**634.6090**
417.1980	209.1026	139.7375	4	V	16	1786.7855	**893.8964**	**596.2667**
532.2249	266.6161	178.0798	5	D	15	1687.7170	**844.3622**	563.2439
645.3090	323.1581	215.7745	6	L	14	1572.6901	**786.8487**	**524.9016**
759.3519	380.1796	253.7888	7	N	13	1459.6060	**730.3067**	487.2069
926.3503	463.6788	309.4549	8	S[167]	12	**1345.5631**	**673.2852**	449.1926
1041.3772	521.1923	347.7973	9	D	11	1178.5647	589.7860	393.5264
1098.3987	549.7030	366.8044	10	G	10	**1063.5378**	**532.2725**	355.1841
1226.4936	613.7505	409.5027	11	K	9	1006.5164	**503.7618**	**336.1770**
1354.5886	**677.7979**	452.2011	12	K	8	**878.4214**	439.7143	293.4787
1469.6155	735.3114	490.5434	13	D	7	**750.3264**	375.6669	250.7803
1583.6585	**792.3329**	**528.5577**	14	N	6	**635.2995**	**318.1534**	212.4380
1698.6854	**849.8463**	566.9000	15	D	5	521.2566	261.1319	174.4237
1799.7331	900.3702	**600.5826**	16	T	4	406.2296	**203.6184**	136.0814
1886.7651	**943.8862**	629.5932	17	S	3	305.1819	153.0946	102.3988
1957.8022	979.4048	**653.2723**	18	A	2	218.1499	109.5786	73.3882
			19	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$T$_{181}$ES$_{167}$S$_{167}$S$_{167}$S$_{167}$S$_{167}$AAK$_{136}$.E/2

0.6149

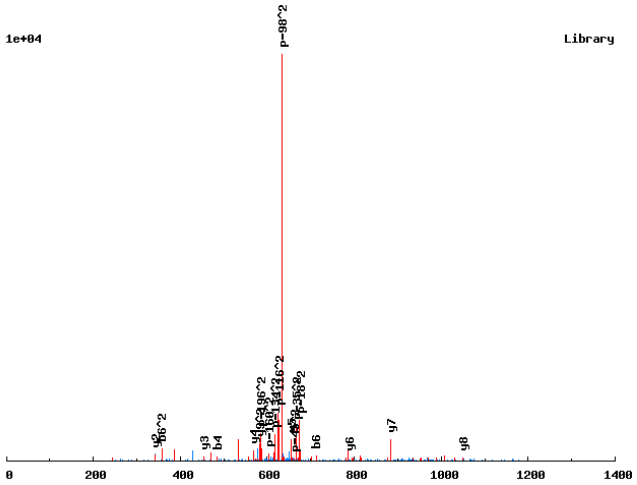


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	12		
363.0353	182.0213	2	T[181]	11	1609.2480	805.1276
492.0779	246.5426	3	E	10	1428.2340	714.6206
659.0763	330.0418	4	S[167]	9	1299.1914	650.0993
826.0746	413.5409	5	S[167]	8	1132.1930	566.6002
993.0730	497.0401	6	S[167]	7	965.1947	483.1010
1160.0713	580.5393	7	S[167]	6	798.1963	399.6018
1327.0697	664.0385	8	S[167]	5	631.1979	316.1026
1494.0681	747.5377	9	S[167]	4	464.1996	232.6034
1565.1052	783.0562	10	A	3	297.2012	149.1042
1636.1423	818.5748	11	A	2	226.1641	113.5857
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.TTNS$_{167}$PMSILS$_{167}$R.N/2

0.9898

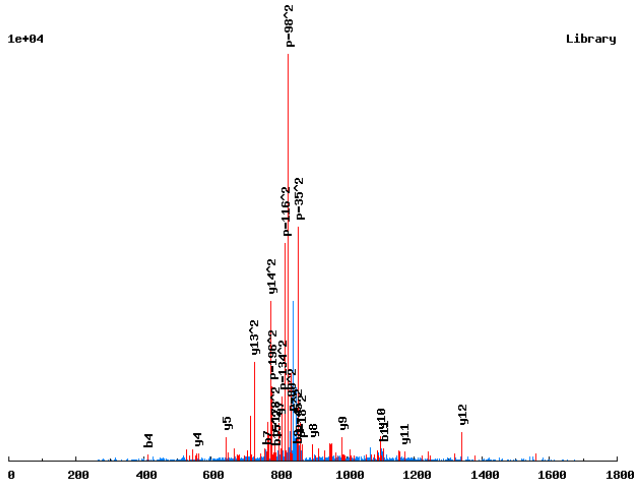


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	11		
203.1026	102.0550	2	T	10	1265.4997	633.2535
317.1456	159.0764	3	N	9	1164.4520	**582.7296**
484.1439	242.5756	4	S[167]	8	**1050.4091**	525.7082
581.1967	291.1020	5	P	7	**883.4107**	442.2090
712.2372	**356.6222**	6	M	6	**786.3580**	393.6826
799.2692	400.1382	7	S	5	**655.3175**	328.1624
912.3533	456.6803	8	I	4	**568.2854**	284.6464
1025.4373	513.2223	9	L	3	**455.2014**	228.1043
1192.4357	596.7215	10	S[167]	2	**342.1173**	171.5623
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TTPLS$_{167}$ANSTGVSS$_{167}$LTR.H/2

0.9994

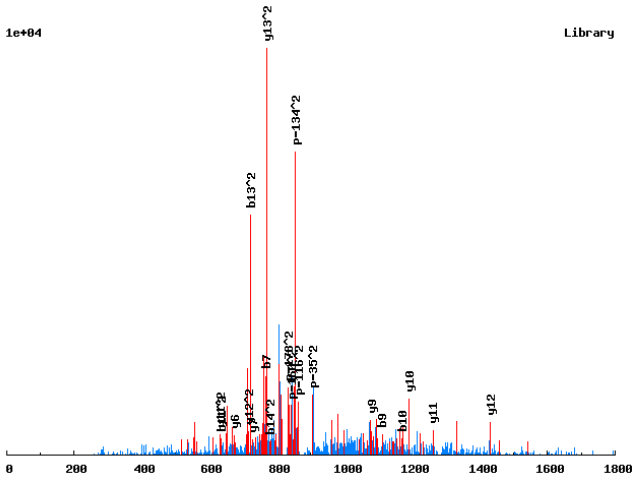


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	16		
203.1026	102.0550	2	T	15	1650.7136	825.8604
300.1554	150.5813	3	P	14	1549.6659	**775.3366**
413.2395	207.1234	4	L	13	1452.6131	**726.8102**
580.2378	290.6226	5	S[167]	12	**1339.5291**	670.2682
651.2749	326.1411	6	A	11	**1172.5307**	586.7690
765.3179	383.1626	7	N	10	**1101.4936**	551.2504
852.3499	426.6786	8	S	9	**987.4507**	494.2290
953.3976	477.2024	9	T	8	**900.4186**	450.7130
1010.4190	505.7132	10	G	7	**799.3710**	400.1891
1109.4874	555.2474	11	V	6	742.3495	371.6784
1196.5195	598.7634	12	S	5	**643.2811**	322.1442
1363.5178	682.2626	13	S[167]	4	**556.2491**	278.6282
1476.6019	738.8046	14	L	3	389.2507	195.1290
1577.6496	**789.3284**	15	T	2	276.1666	138.5870
		16	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TTPLS$_{167}$ANS$_{167}$T$_{181}$GVSSLTR$_{166}$.H/2

0.6284

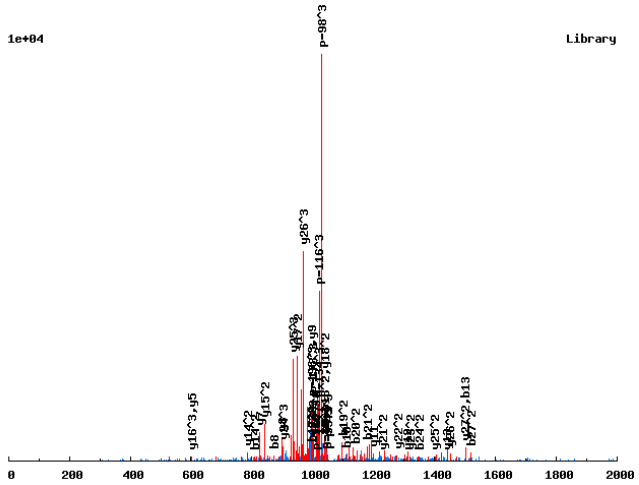


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	16		
203.1026	102.0550	2	T	15	1740.6882	870.8477
300.1554	150.5813	3	P	14	1639.6405	820.3239
413.2395	207.1234	4	L	13	1542.5877	**771.7975**
580.2378	290.6226	5	S[167]	12	**1429.5037**	**715.2555**
651.2749	326.1411	6	A	11	**1262.5053**	**631.7563**
765.3179	383.1626	7	N	10	**1191.4682**	596.2377
932.3162	466.6618	8	S[167]	9	**1077.4253**	539.2163
1113.3302	557.1688	9	T[181]	8	910.4269	455.7171
1170.3517	585.6795	10	G	7	**729.4129**	365.2101
1269.4201	**635.2137**	11	V	6	**672.3914**	336.6994
1356.4521	678.7297	12	S	5	573.3230	287.1651
1443.4842	**722.2457**	13	S	4	486.2910	243.6491
1556.5682	**778.7878**	14	L	3	399.2590	200.1331
1657.6159	829.3116	15	T	2	286.1749	143.5911
		16	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.T$_{181}$TPPASVHS$_{167}$AT$_{181}$PDIKEDSNVAPQLDLLK.Q/3

0.9147

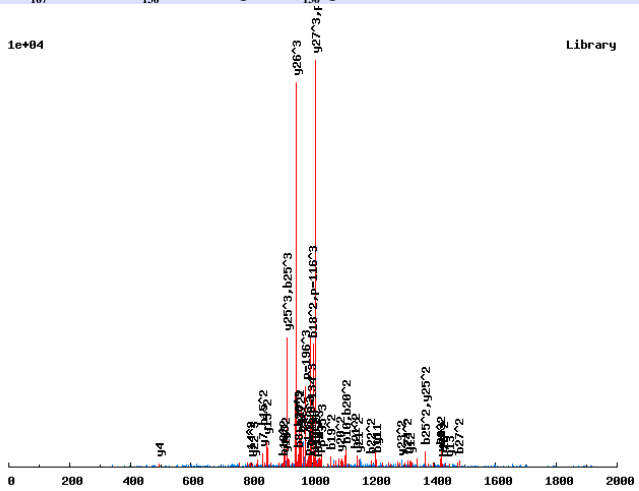


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
182.0213	91.5143	61.3453	1	T[181]	28			
283.0690	142.0381	95.0278	2	T	27	3003.4111	**1502.2092**	**1001.8086**
380.1217	190.5645	127.3788	3	P	26	2902.3635	**1451.6854**	**968.1260**
477.1745	239.0909	159.7297	4	P	25	2805.3107	**1403.1590**	**935.7751**
548.2116	274.6094	183.4087	5	A	24	2708.2579	1354.6326	**903.4242**
635.2436	318.1255	212.4194	6	S	23	2637.2208	**1319.1141**	879.7451
734.3120	367.6597	245.4422	7	V	22	2550.1888	**1275.5980**	850.7345
871.3710	436.1891	291.1285	8	H	21	2451.1204	**1226.0638**	817.7116
1038.3693	519.6883	346.7946	9	S[167]	20	2314.0615	1157.5344	772.0253
1109.4064	555.2069	370.4737	10	A	19	2147.0631	1074.0352	716.3592
1290.4204	645.7139	430.8117	11	T[181]	18	2076.0260	**1038.5166**	692.6802
1387.4732	694.2402	463.1626	12	P	17	1895.0120	**948.0096**	632.3422
1502.5001	751.7537	501.5049	13	D	16	1797.9592	899.4833	**599.9913**
1615.5842	**808.2957**	539.1996	14	I	15	1682.9323	**841.9698**	561.6489
1743.6792	872.3432	581.8979	15	K	14	1569.8482	**785.4278**	523.9543
1872.7217	936.8645	624.9121	16	E	13	**1441.7533**	721.3803	481.2559
1987.7487	**994.3780**	663.2544	17	D	12	**1312.7107**	656.8590	438.2417
2074.7807	**1037.8940**	692.2651	18	S	11	**1197.6837**	599.3455	399.8994
2188.8236	**1094.9155**	730.2794	19	N	10	1110.6517	555.8295	370.8888
2287.8921	**1144.4497**	763.3022	20	V	9	**996.6088**	498.8080	332.8744
2358.9292	**1179.9682**	786.9812	21	A	8	**897.5404**	449.2738	299.8516
2455.9819	1228.4946	819.3322	22	P	7	**826.5033**	413.7553	276.1726
2584.0405	1292.5239	862.0184	23	Q	6	729.4505	365.2289	243.8217
2697.1246	**1349.0659**	899.7130	24	L	5	**601.3919**	301.1996	201.1355
2812.1515	1406.5794	938.0554	25	D	4	488.3079	244.6576	163.4408
2925.2356	1463.1214	975.7500	26	L	3	373.2809	187.1441	125.0985
3038.3196	**1519.6635**	**1013.4447**	27	L	2	260.1969	130.6021	87.4038
			28	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TT$_{181}$PPAS$_{167}$VHSATPDIK$_{136}$EDSNVAPQLDLLK$_{136}$.Q/3

0.9987

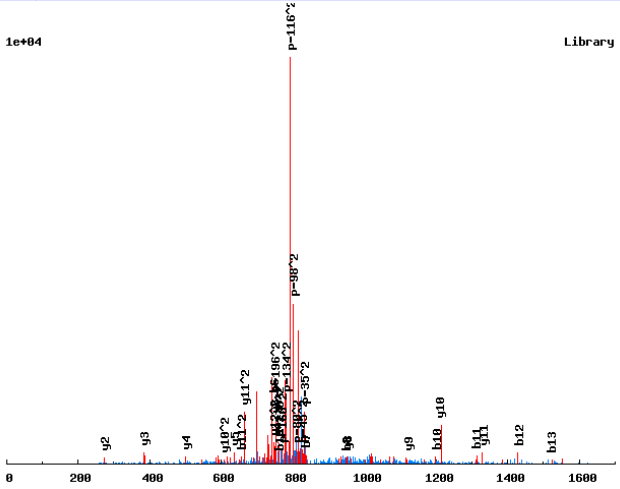


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	28			
283.0690	142.0381	95.0278	2	T[181]	27	3019.4395	1510.2234	**1007.1514**
380.1217	190.5645	127.3788	3	P	26	2838.4255	**1419.7164**	**946.8134**
477.1745	239.0909	159.7297	4	P	25	2741.3728	**1371.1900**	**914.4624**
548.2116	274.6094	183.4087	5	A	24	2644.3200	1322.6636	882.1115
715.2100	358.1086	239.0748	6	S[167]	23	2573.2829	**1287.1451**	858.4325
814.2784	407.6428	272.0976	7	V	22	2406.2845	1203.6459	**802.7664**
951.3373	476.1723	317.7839	8	H	21	2307.2161	**1154.1117**	769.7436
1038.3693	519.6883	346.7946	9	S	20	2170.1572	**1085.5822**	724.0573
1109.4064	555.2069	370.4737	10	A	19	2083.1252	1042.0662	695.0466
1210.4541	605.7307	404.1562	11	T	18	2012.0881	**1006.5477**	671.3675
1307.5069	654.2571	436.5071	12	P	17	1911.0404	**956.0238**	637.6850
1422.5338	711.7705	474.8495	13	D	16	1813.9876	**907.4975**	605.3341
1535.6179	768.3126	512.5441	14	I	15	1698.9607	**849.9840**	566.9917
1671.7270	**836.3672**	557.9139	15	K[136]	14	1585.8766	**793.4420**	529.2971
1800.7696	**900.8884**	600.9281	16	E	13	**1449.7675**	725.3874	483.9273
1915.7966	**958.4019**	639.2704	17	D	12	**1320.7249**	660.8661	440.9131
2002.8286	**1001.9179**	668.2810	18	S	11	**1205.6979**	603.3526	402.5708
2116.8715	**1058.9394**	706.2954	19	N	10	1118.6659	559.8366	373.5602
2215.9399	**1108.4736**	739.3182	20	V	9	**1004.6230**	502.8151	335.5458
2286.9770	**1143.9922**	762.9972	21	A	8	**905.5546**	453.2809	302.5230
2384.0298	**1192.5185**	795.3481	22	P	7	**834.5175**	417.7624	278.8440
2512.0884	1256.5478	838.0343	23	Q	6	737.4647	369.2360	246.4931
2625.1724	**1313.0899**	875.7290	24	L	5	609.4061	305.2067	203.8069
2740.1994	**1370.6033**	**914.0713**	25	D	4	**496.3221**	248.6647	166.1122
2853.2834	**1427.1454**	**951.7660**	26	L	3	381.2951	191.1512	127.7699
2966.3675	**1483.6874**	989.4607	27	L	2	268.2111	134.6092	90.0752
			28	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.TTS$_{167}$NPS$_{167}$SILHDLPR.K/2

0.9254

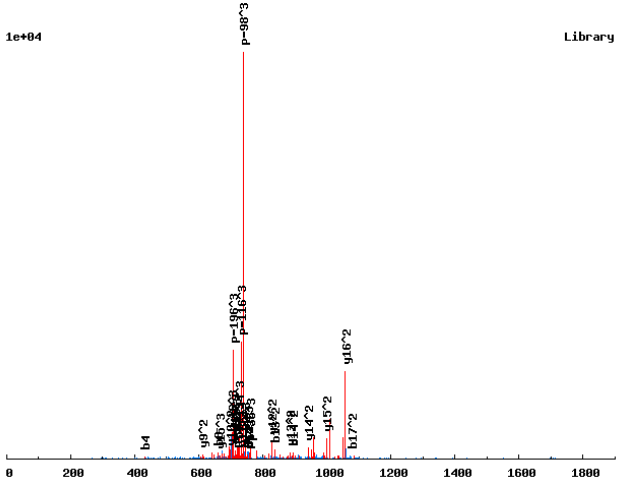


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	14		
203.1026	102.0550	2	T	13	1596.6819	798.8446
370.1010	185.5541	3	S[167]	12	1495.6342	**748.3207**
484.1439	242.5756	4	N	11	**1328.6358**	**664.8216**
581.1967	291.1020	5	P	10	**1214.5929**	**607.8001**
748.1951	374.6012	6	S[167]	9	**1117.5401**	559.2737
835.2271	418.1172	7	S	8	**950.5418**	475.7745
948.3111	474.6592	8	I	7	863.5097	432.2585
1061.3952	531.2012	9	L	6	**750.4257**	375.7165
1198.4541	599.7307	10	H	5	**637.3416**	319.1745
1313.4811	**657.2442**	11	D	4	**500.2827**	250.6450
1426.5651	713.7862	12	L	3	**385.2558**	193.1315
1523.6179	**762.3126**	13	P	2	**272.1717**	136.5895
		14	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.TVDDLDNFS$_{167}$NHS$_{167}$S$_{167}$DSHRK.S/3

0.9319

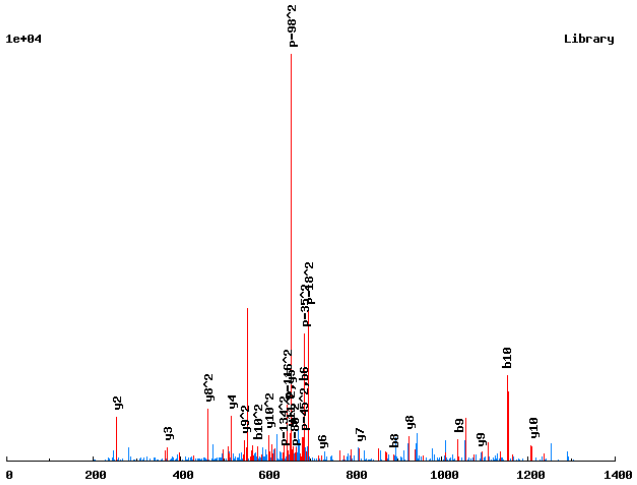


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	18			
201.1234	101.0653	67.7126	2	V	17	2212.7733	1106.8903	**738.2626**
316.1503	158.5788	106.0550	3	D	16	2113.7049	**1057.3561**	**705.2398**
431.1772	216.0923	144.3973	4	D	15	1998.6780	**999.8426**	**666.8975**
544.2613	272.6343	182.0920	5	L	14	1883.6511	**942.3292**	628.5552
659.2882	330.1478	220.4343	6	D	13	1770.5670	**885.7871**	590.8605
773.3312	387.1692	258.4486	7	N	12	1655.5401	**828.2737**	552.5182
920.3996	460.7034	307.4714	8	F	11	1541.4971	771.2522	514.5039
1087.3980	544.2026	363.1375	9	S[167]	10	1394.4287	**697.7180**	465.4811
1201.4409	601.2241	401.1518	10	N	9	1227.4304	**614.2188**	409.8150
1338.4998	669.7535	446.8381	11	H	8	1113.3874	557.1974	371.8007
1505.4982	**753.2527**	502.5042	12	S[167]	7	976.3285	488.6679	326.1144
1672.4965	**836.7519**	558.1704	13	S[167]	6	809.3302	405.1687	270.4482
1787.5235	**894.2654**	596.5127	14	D	5	642.3318	321.6695	214.7821
1874.5555	937.7814	625.5233	15	S	4	527.3049	264.1561	176.4398
2011.6144	1006.3108	671.2097	16	H	3	440.2728	220.6401	147.4291
2167.7155	**1084.3614**	**723.2434**	17	R	2	303.2139	152.1106	101.7428
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.TVLS$_{167}$DSAHFDVK$_{136}$.H/2

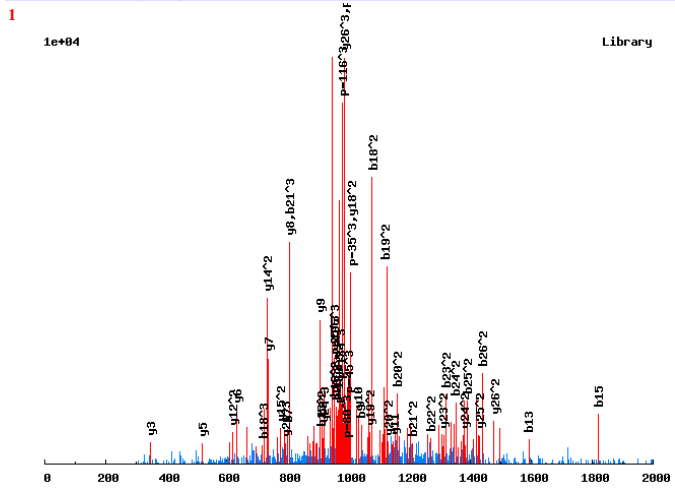
0.9987



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	12		
201.1234	101.0653	2	V	11	1305.5966	**653.3019**
314.2074	157.6074	3	L	10	**1206.5282**	**603.7677**
481.2058	241.1065	4	S[167]	9	**1093.4441**	**547.2257**
596.2327	298.6200	5	D	8	**926.4457**	**463.7265**
683.2648	342.1360	6	S	7	**811.4188**	406.2130
754.3019	377.6546	7	A	6	**724.3868**	362.6970
891.3608	446.1840	8	H	5	**653.3497**	327.1785
1038.4292	519.7182	9	F	4	**516.2908**	258.6490
1153.4561	**577.2317**	10	D	3	**369.2223**	185.1148
1252.5245	626.7659	11	V	2	**254.1954**	127.6013
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.TVPEQENDES$_{167}$DT$_{181}$SPESNEVATNTAATR.H/3

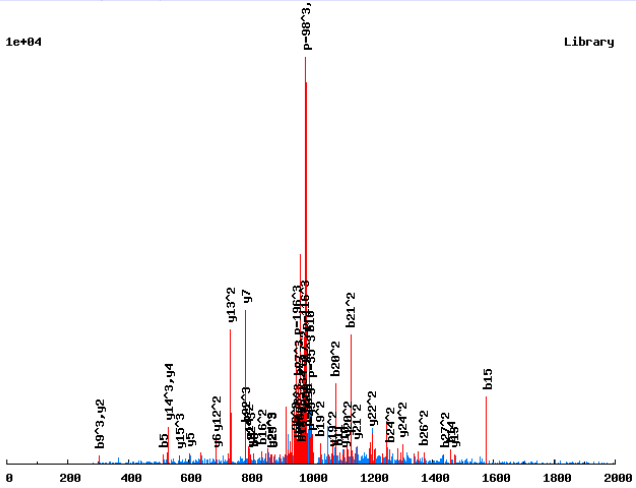


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	27			
201.1234	101.0653	67.7126	2	V	26	2951.1463	**1476.0768**	**984.3870**
298.1761	149.5917	100.0636	3	P	25	2852.0779	**1426.5426**	**951.3641**
427.2187	214.1130	143.0778	4	E	24	2755.0251	**1378.0162**	**919.0132**
555.2773	278.1423	185.7640	5	Q	23	2625.9825	**1313.4949**	875.9990
684.3199	342.6636	228.7782	6	E	22	2497.9240	1249.4656	833.3128
798.3628	399.6851	266.7925	7	N	21	2368.8814	1184.9443	**790.2986**
913.3898	457.1985	305.1348	8	D	20	2254.8384	**1127.9229**	752.2843
1042.4324	521.7198	348.1490	9	E	19	2139.8115	**1070.4094**	713.9420
1209.4307	605.2190	403.8151	10	S[167]	18	2010.7689	**1005.8881**	670.9278
1324.4577	662.7325	442.1574	11	D	17	1843.7705	922.3889	615.2617
1505.4717	753.2395	502.4954	12	T[181]	16	1728.7436	864.8754	576.9194
1592.5037	796.7555	531.5061	13	S	15	1547.7296	**774.3684**	516.5814
1689.5565	845.2819	563.8570	14	P	14	1460.6976	**730.8524**	487.5707
1818.5990	**909.8032**	606.8712	15	E	13	1363.6448	682.3260	455.2198
1905.6311	**953.3192**	635.8819	16	S	12	1234.6022	**617.8047**	412.2056
2019.6740	1010.3406	673.8962	17	N	11	**1147.5702**	574.2887	383.1949
2148.7166	**1074.8619**	**716.9104**	18	E	10	**1033.5272**	517.2673	345.1806
2247.7850	**1124.3961**	749.9332	19	V	9	**904.4847**	452.7460	302.1664
2318.8221	**1159.9147**	773.6122	20	A	8	**805.4163**	403.2118	269.1436
2419.8698	**1210.4385**	**807.2948**	21	T	7	**734.3791**	367.6932	245.4646
2533.9127	**1267.4600**	845.3091	22	N	6	**633.3315**	317.1694	211.7820
2634.9604	**1317.9838**	878.9917	23	T	5	**519.2885**	260.1479	173.7677
2705.9975	**1353.5024**	902.6707	24	A	4	418.2408	209.6241	140.0851
2777.0346	**1389.0210**	926.3497	25	A	3	**347.2037**	174.1055	116.4061
2878.0823	**1439.5448**	**960.0323**	26	T	2	276.1666	138.5870	92.7271
			27	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.TVQDAKPAPSVAT$_{181}$NDPS$_{167}$PEPVPSAPEER.V/3

0.7236

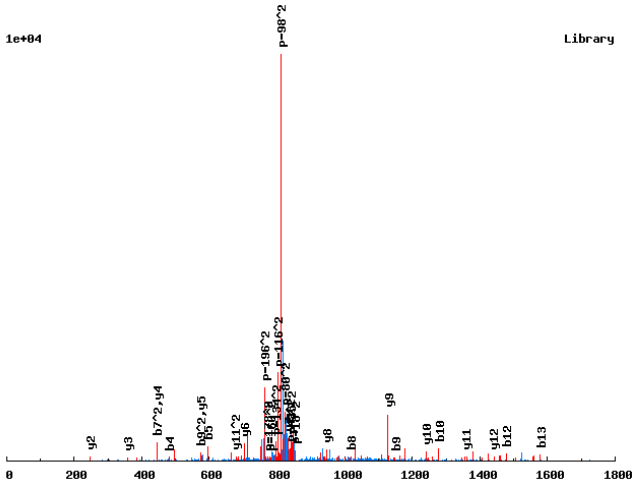


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
102.0550	51.5311	34.6898	1	T	28			
201.1234	101.0653	67.7126	2	V	27	2945.2965	1473.1519	**982.4370**
329.1819	165.0946	110.3988	3	Q	26	2846.2281	1423.6177	**949.4142**
444.2089	222.6081	148.7411	4	D	25	2718.1695	1359.5884	906.7280
515.2460	258.1266	172.4202	5	A	24	2603.1426	**1302.0749**	**868.3857**
643.3410	322.1741	215.1185	6	K	23	2532.1055	1266.5564	844.7067
740.3937	370.7005	247.4694	7	P	22	2404.0105	**1202.5089**	**802.0084**
811.4308	406.2191	271.1485	8	A	21	2306.9577	**1153.9825**	769.6574
908.4836	454.7454	**303.4994**	9	P	20	2235.9206	**1118.4640**	745.9784
995.5156	498.2615	332.5101	10	S	19	2138.8679	**1069.9376**	713.6275
1094.5840	547.7957	365.5329	11	V	18	2051.8358	1026.4216	684.6168
1165.6211	583.3142	389.2119	12	A	17	1952.7674	**976.8874**	651.5940
1346.6352	673.8212	449.5499	13	T[181]	16	1881.7303	941.3688	627.9150
1460.6781	730.8427	487.5642	14	N	15	1700.7163	850.8618	**567.5770**
1575.7050	788.3562	525.9065	15	D	14	1586.6734	**793.8403**	**529.5626**
1672.7578	**836.8825**	558.2574	16	P	13	**1471.6464**	**736.3269**	491.2203
1839.7561	920.3817	613.9236	17	S[167]	12	1374.5937	**687.8005**	458.8694
1936.8089	**968.9081**	646.2745	18	P	11	1207.5953	604.3013	403.2033
2065.8515	**1033.4294**	689.2887	19	E	10	**1110.5426**	555.7749	370.8524
2162.9043	**1081.9558**	721.6396	20	P	9	**981.5000**	491.2536	327.8382
2261.9727	**1131.4900**	754.6624	21	V	8	884.4472	442.7272	295.4873
2359.0254	1180.0164	**787.0133**	22	P	7	**785.3788**	393.1930	262.4645
2446.0575	1223.5324	816.0240	23	S	6	**688.3260**	344.6667	230.1135
2517.0946	**1259.0509**	839.7030	24	A	5	**601.2940**	301.1506	201.1029
2614.1473	1307.5773	**872.0540**	25	P	4	**530.2569**	265.6321	177.4238
2743.1899	**1372.0986**	915.0682	26	E	3	433.2041	217.1057	145.0729
2872.2325	**1436.6199**	**958.0824**	27	E	2	**304.1615**	152.5844	102.0587
			28	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.T$_{181}$VSNIT$_{181}$NEEESIVK.N/2

0.9999

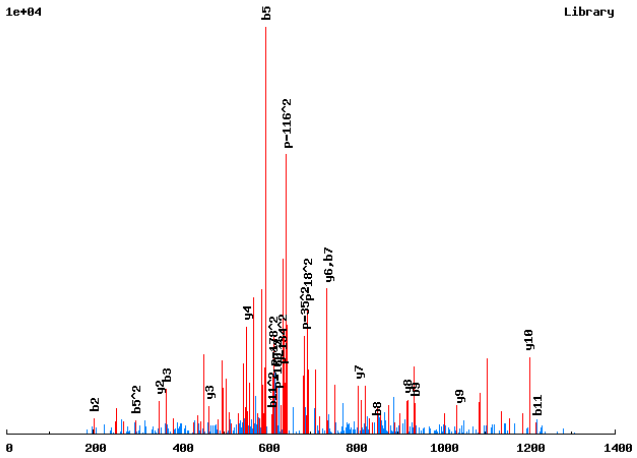


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
182.0213	91.5143	1	T[181]	14		
281.0897	141.0485	2	V	13	1541.7094	771.3584
368.1217	184.5645	3	S	12	**1442.6410**	721.8242
482.1647	241.5860	4	N	11	**1355.6090**	**678.3081**
595.2487	298.1280	5	I	10	**1241.5661**	621.2867
776.2627	388.6350	6	T[181]	9	**1128.4820**	564.7446
890.3057	**445.6565**	7	N	8	**947.4680**	474.2376
1019.3483	510.1778	8	E	7	**833.4251**	417.2162
1148.3908	**574.6991**	9	E	6	**704.3825**	352.6949
1277.4334	639.2204	10	E	5	**575.3399**	288.1736
1364.4655	682.7364	11	S	4	**446.2973**	223.6523
1477.5495	739.2784	12	I	3	**359.2653**	180.1363
1576.6179	788.8126	13	V	2	**246.1812**	123.5942
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.TVS$_{167}$NNAANSLS$_{167}$R$_{166}$.Q/2

0.9997

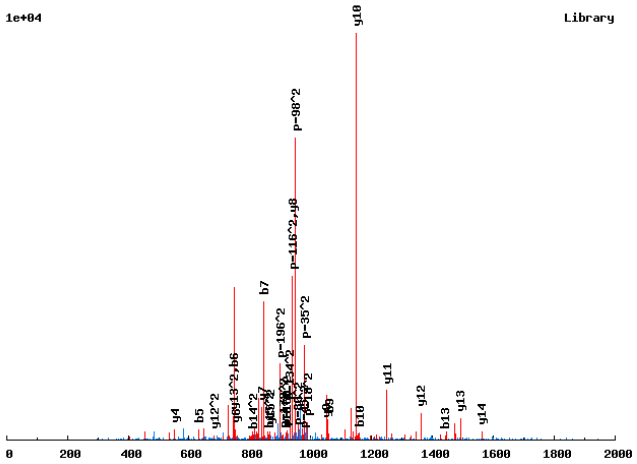


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	12		
201.1234	101.0653	2	V	11	1302.5115	651.7594
368.1217	184.5645	3	S[167]	10	1203.4430	602.2252
482.1647	241.5860	4	N	9	1036.4447	518.7260
596.2076	298.6074	5	N	8	922.4017	461.7045
667.2447	334.1260	6	A	7	808.3588	404.6831
738.2818	369.6445	7	A	6	737.3217	369.1645
852.3247	426.6660	8	N	5	666.2846	333.6459
939.3568	470.1820	9	S	4	552.2417	276.6245
1052.4408	526.7241	10	L	3	465.2096	233.1085
1219.4392	610.2232	11	S[167]	2	352.1256	176.5664
		12	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.TYS$_{167}$AENVPLTSTVS$_{167}$NDK$_{136}$.S/2

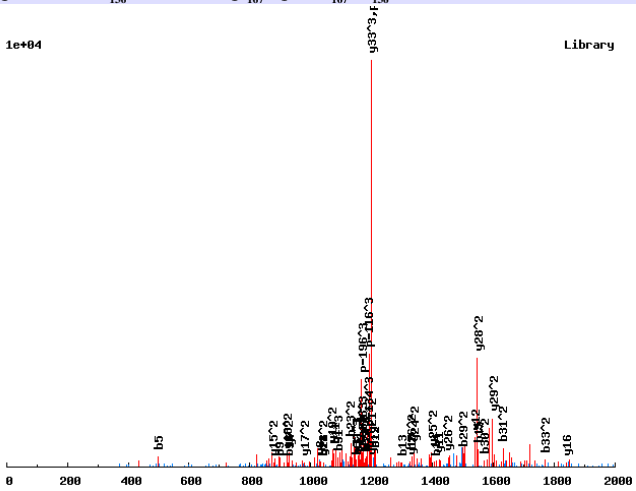
0.9997



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
102.0550	51.5311	1	T	17		
265.1183	133.0628	2	Y	16	1892.7806	946.8939
432.1167	216.5620	3	S[167]	15	1729.7173	**865.3623**
503.1538	252.0805	4	A	14	**1562.7189**	781.8631
632.1964	316.6018	5	E	13	**1491.6818**	**746.3445**
746.2393	373.6233	6	N	12	**1362.6392**	**681.8232**
845.3077	423.1575	7	V	11	**1248.5963**	624.8018
942.3605	471.6839	8	P	10	**1149.5278**	575.2676
1055.4445	528.2259	9	L	9	**1052.4751**	526.7412
1156.4922	578.7497	10	T	8	**939.3910**	470.1992
1243.5242	622.2658	11	S	7	**838.3433**	419.6753
1344.5719	672.7896	12	T	6	**751.3113**	376.1593
1443.6403	722.3238	13	V	5	650.2636	325.6355
1610.6387	**805.8230**	14	S[167]	4	**551.1952**	276.1013
1724.6816	**862.8444**	15	N	3	384.1969	192.6021
1839.7085	**920.3579**	16	D	2	270.1539	135.5806
		17	K[136]	1	155.1270	78.0671

K.VAAEQPSTLNAESIK$_{136}$GEDSGSADVQS$_{167}$VQDHES$_{167}$VK$_{136}$.I/3

0.9931

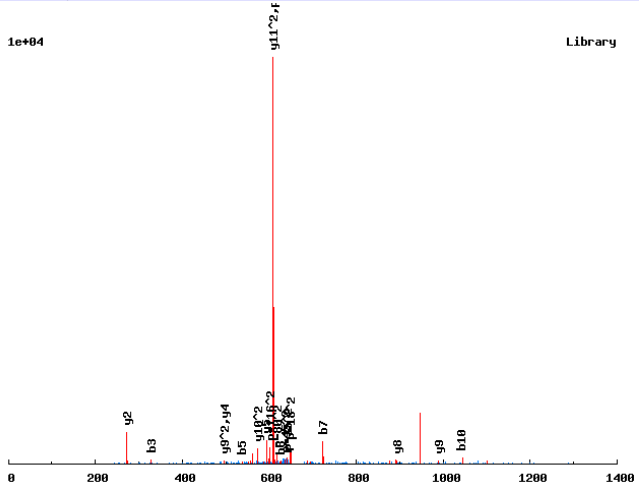


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	34			
171.1128	86.0600	57.7091	2	A	33	3589.5549	1795.2811	**1197.1898**
242.1499	121.5786	81.3882	3	A	32	3518.5178	1759.7625	**1173.5108**
371.1925	186.0999	124.4024	4	E	31	3447.4807	1724.2440	**1149.8317**
499.2511	250.1292	167.0885	5	Q	30	3318.4381	1659.7227	1106.8176
596.3038	298.6556	199.4395	6	P	29	3190.3795	**1595.6934**	1064.1314
683.3359	342.1716	228.4501	7	S	28	3093.3268	**1547.1670**	1031.7804
784.3836	392.6954	262.1327	8	T	27	3006.2947	1503.6510	1002.7698
897.4676	449.2374	299.8274	9	L	26	2905.2471	**1453.1272**	969.0872
1011.5105	506.2589	337.8417	10	N	25	2792.1630	**1396.5851**	931.3925
1082.5476	541.7775	361.5207	11	A	24	2678.1201	**1339.5637**	893.3782
1211.5902	606.2988	404.5349	12	E	23	2607.0829	1304.0451	869.6992
1298.6223	649.8148	433.5456	13	S	22	2478.0404	1239.5238	826.6850
1411.7063	706.3568	471.2403	14	I	21	2391.0083	**1196.0078**	797.6743
1547.8155	774.4114	516.6100	15	K[136]	20	2277.9243	1139.4658	759.9796
1604.8369	802.9221	535.6172	16	G	19	2141.8151	**1071.4112**	714.6099
1733.8795	867.4434	578.6314	17	E	18	2084.7937	**1042.9005**	695.6027
1848.9065	**924.9569**	616.9737	18	D	17	1955.7511	**978.3792**	652.5885
1935.9385	968.4729	645.9844	19	S	16	**1840.7241**	**920.8657**	614.2462
1992.9600	996.9836	664.9915	20	G	15	1753.6921	**877.3497**	585.2356
2079.9920	**1040.4996**	694.0022	21	S	14	1696.6706	848.8390	566.2284
2151.0291	1076.0182	717.6812	22	A	13	1609.6386	805.3229	537.2177
2266.0560	**1133.5317**	756.0235	23	D	12	**1538.6015**	769.8044	513.5387
2365.1245	**1183.0659**	789.0463	24	V	11	**1423.5746**	712.2909	475.1964
2493.1830	1247.0952	831.7325	25	Q	10	**1324.5061**	662.7567	442.1736
2660.1814	**1330.5943**	887.3987	26	S[167]	9	**1196.4476**	598.7274	399.4874
2759.2498	1380.1285	920.4215	27	V	8	**1029.4492**	515.2282	343.8213
2887.3084	1444.1578	963.1076	28	Q	7	**930.3808**	465.6940	310.7985
3002.3353	**1501.6713**	1001.4500	29	D	6	802.3222	401.6647	268.1123
3139.3942	**1570.2008**	1047.1363	30	H	5	687.2953	344.1513	229.7699
3268.4368	**1634.7221**	**1090.1505**	31	E	4	550.2364	275.6218	184.0836
3435.4352	1718.2212	**1145.8166**	32	S[167]	3	421.1938	211.1005	141.0694
3534.5036	**1767.7554**	**1178.8394**	33	V	2	254.1954	127.6013	85.4033
			34	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.VARPLSVPGS$_{167}$PR.D/2

0.9598

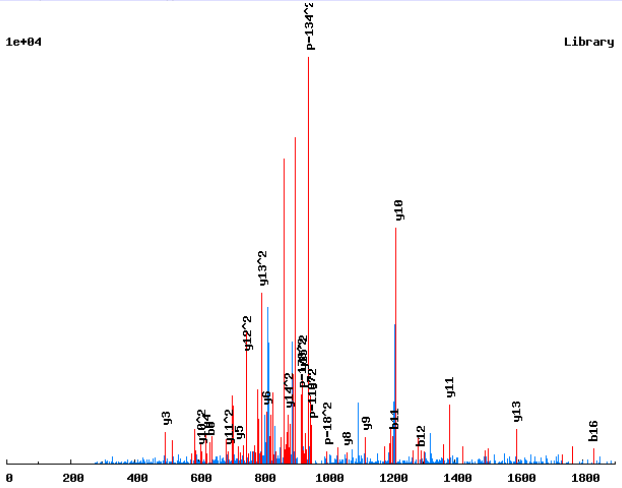


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	12		
171.1128	86.0600	2	A	11	1216.6198	**608.8135**
327.2139	164.1106	3	R	10	1145.5827	**573.2950**
424.2667	212.6370	4	P	9	**989.4816**	**495.2444**
537.3507	269.1790	5	L	8	**892.4288**	446.7180
624.3828	312.6950	6	S	7	779.3447	390.1760
723.4512	362.2292	7	V	6	692.3127	346.6600
820.5039	410.7556	8	P	5	**593.2443**	297.1258
877.5254	439.2663	9	G	4	**496.1915**	248.5994
1044.5238	522.7655	10	S[167]	3	439.1701	220.0887
1141.5765	571.2919	11	P	2	**272.1717**	136.5895
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.VASS$_{167}$PIS$_{167}$PGLHSTQYFR$_{166}$.S/2

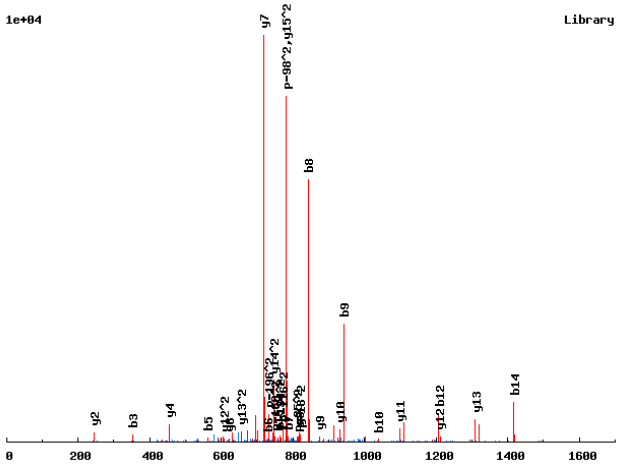
0.9998



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	17		
171.1128	86.0600	2	A	16	1917.8171	959.4122
258.1448	129.5761	3	S	15	1846.7800	**923.8936**
425.1432	213.0752	4	S[167]	14	1759.7480	**880.3776**
522.1960	261.6016	5	P	13	**1592.7496**	**796.8785**
635.2800	318.1436	6	I	12	1495.6969	**748.3521**
802.2784	401.6428	7	S[167]	11	**1382.6128**	**691.8100**
899.3311	450.1692	8	P	10	**1215.6144**	**608.3109**
956.3526	478.6799	9	G	9	**1118.5617**	559.7845
1069.4367	535.2220	10	L	8	**1061.5402**	531.2737
1206.4956	603.7514	11	H	7	**948.4562**	474.7317
1293.5276	647.2674	12	S	6	**811.3972**	406.2023
1394.5753	697.7913	13	T	5	**724.3652**	362.6862
1522.6339	761.8206	14	Q	4	**623.3175**	312.1624
1685.6972	843.3522	15	Y	3	**495.2590**	248.1331
1832.7656	916.8864	16	F	2	332.1956	166.6015
		17	R[166]	1	185.1272	93.0672

R.VAT$_{181}$PLS$_{167}$GGVPPAPLPK.A/2

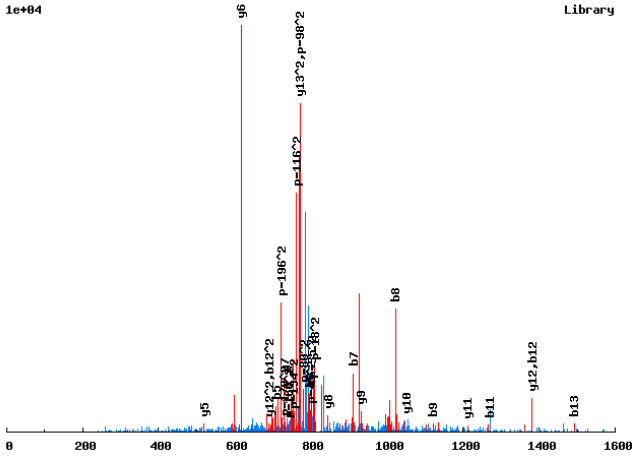
1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	16		
171.1128	86.0600	2	A	15	1561.7426	**781.3750**
352.1268	176.5670	3	T[181]	14	1490.7055	**745.8564**
449.1796	225.0934	4	P	13	**1309.6915**	**655.3494**
562.2636	281.6355	5	L	12	**1212.6388**	**606.8230**
729.2620	365.1346	6	S[167]	11	**1099.5547**	550.2810
786.2835	393.6454	7	G	10	**932.5563**	466.7818
843.3049	422.1561	8	G	9	**875.5349**	438.2711
942.3733	471.6903	9	V	8	**818.5134**	409.7604
1039.4261	520.2167	10	P	7	**719.4450**	360.2261
1136.4788	568.7431	11	P	6	**622.3923**	311.6998
1207.5160	604.2616	12	A	5	525.3395	263.1734
1304.5687	652.7880	13	P	4	**454.3024**	227.6548
1417.6528	709.3300	14	L	3	357.2496	179.1284
1514.7055	**757.8564**	15	P	2	**244.1656**	122.5864
		16	K	1	147.1128	74.0600

R.VC$_{160}$S$_{167}$S$_{167}$DSDLPGSDIK.S/2

1

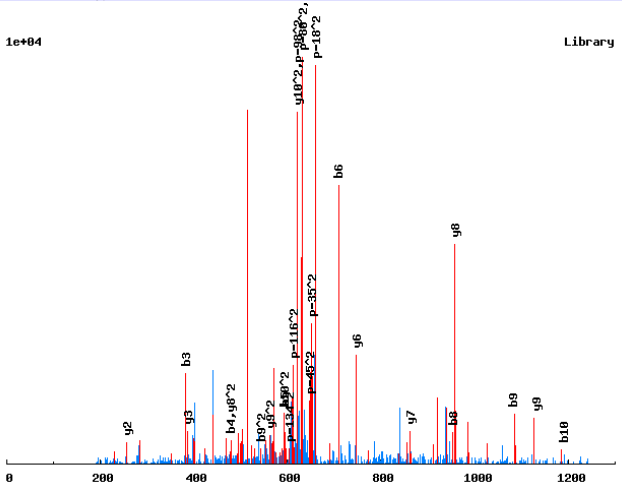


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	14		
260.1063	130.5568	2	C[160]	13	1540.5274	**770.7673**
427.1047	214.0560	3	S[167]	12	**1380.4967**	**690.7520**
594.1031	297.5552	4	S[167]	11	**1213.4984**	607.2528
709.1300	355.0686	5	D	10	**1046.5000**	523.7536
796.1620	398.5847	6	S	9	**931.4731**	466.2402
911.1890	456.0981	7	D	8	**844.4411**	422.7242
1024.2730	512.6402	8	L	7	**729.4141**	365.2107
1121.3258	561.1665	9	P	6	**616.3301**	308.6687
1178.3473	589.6773	10	G	5	**519.2773**	260.1423
1265.3793	633.1933	11	S	4	462.2558	231.6316
1380.4062	**690.7068**	12	D	3	375.2238	188.1155
1493.4903	747.2488	13	I	2	260.1969	130.6021
		14	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.VDS$_{167}$PDDPFMTK$_{136}$.S/2

0.9995

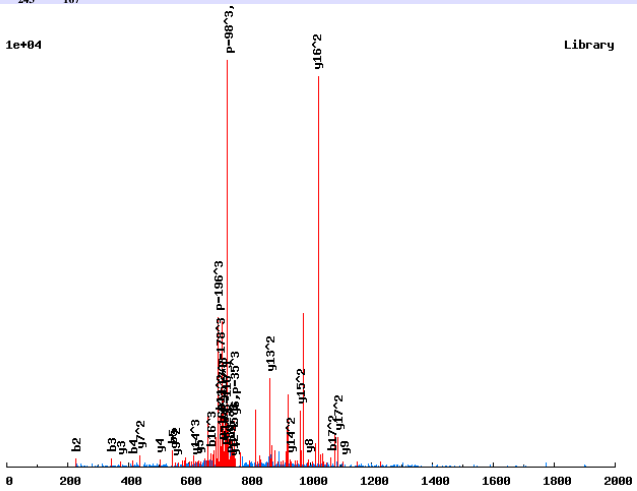


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
215.1026	108.0550	2	D	10	1240.4683	**620.7378**
382.1010	191.5541	3	S[167]	9	**1125.4413**	**563.2243**
479.1538	240.0805	4	P	8	**958.4430**	**479.7251**
594.1807	297.5940	5	D	7	**861.3902**	431.1987
709.2076	355.1075	6	D	6	**746.3633**	373.6853
806.2604	403.6338	7	P	5	**631.3363**	316.1718
953.3288	477.1680	8	F	4	534.2836	267.6454
1084.3693	**542.6883**	9	M	3	**387.2152**	194.1112
1185.4170	**593.2121**	10	T	2	**256.1747**	128.5910
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.VEDAEY$_{243}$ESS$_{167}$DDEDEKLDK.S/3

0.9935

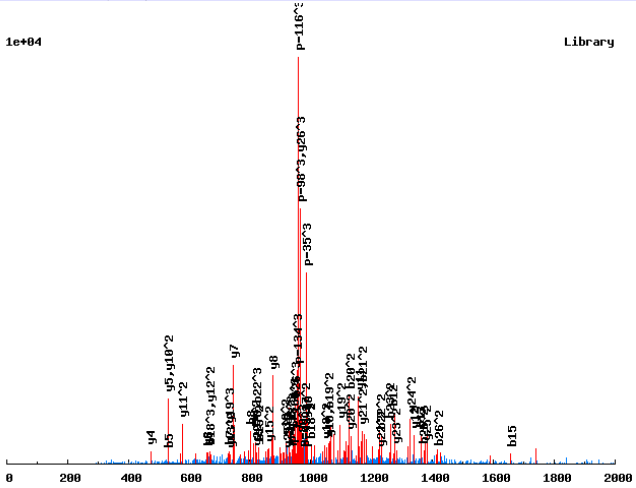


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	18			
229.1183	115.0628	77.0443	2	E	17	2176.7366	**1088.8720**	**726.2504**
344.1452	172.5762	115.3866	3	D	16	2047.6940	**1024.3507**	683.2362
415.1823	208.0948	139.0656	4	A	15	1932.6671	**966.8372**	644.8939
544.2249	272.6161	182.0798	5	E	14	1861.6300	**931.3186**	**621.2149**
787.2546	394.1309	263.0897	6	Y[243]	13	1732.5874	**866.7973**	578.2007
916.2972	458.6522	306.1039	7	E	12	1489.5577	**745.2825**	497.1908
1003.3292	502.1682	335.1146	8	S	11	1360.5152	680.7612	454.1766
1170.3276	585.6674	390.7807	9	S[167]	10	1273.4831	637.2452	425.1659
1285.3545	643.1809	429.1230	10	D	9	**1106.4848**	**553.7460**	369.4998
1400.3814	**700.6944**	467.4653	11	D	8	**991.4578**	496.2326	331.1575
1529.4240	765.2157	510.4795	12	E	7	876.4309	**438.7191**	292.8151
1644.4510	822.7291	548.8218	13	D	6	**747.3883**	374.1978	249.8010
1773.4936	887.2504	591.8360	14	E	5	**632.3614**	316.6843	211.4586
1901.5885	951.2979	634.5344	15	K	4	**503.3188**	252.1630	168.4444
2014.6726	1007.8399	**672.2290**	16	L	3	**375.2238**	188.1155	125.7461
2129.6995	**1065.3534**	**710.5714**	17	D	2	262.1397	131.5735	88.0514
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.VEDSTEAATEKLSS$_{167}$ET$_{181}$PALESEGPQTK.K/3

0.9999

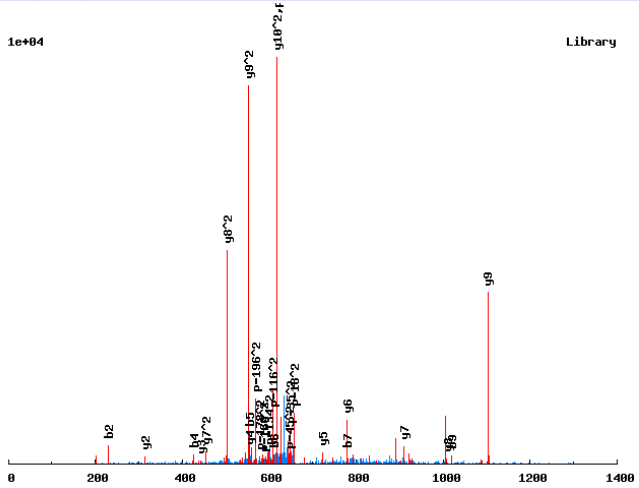


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	27			
229.1183	115.0628	77.0443	2	E	26	2895.2068	1448.1070	**965.7404**
344.1452	172.5762	115.3866	3	D	25	2766.1642	**1383.5857**	**922.7262**
431.1772	216.0923	144.3973	4	S	24	2651.1372	**1326.0723**	884.3839
532.2249	266.6161	178.0798	5	T	23	2564.1052	**1282.5562**	855.3733
661.2675	331.1374	221.0940	6	E	22	2463.0575	**1232.0324**	**821.6907**
732.3046	366.6560	244.7731	7	A	21	2334.0149	**1167.5111**	778.6765
803.3417	402.1745	268.4521	8	A	20	2262.9778	**1131.9925**	754.9975
904.3894	452.6984	302.1347	9	T	19	2191.9407	**1096.4740**	**731.3184**
1033.4320	517.2196	345.1489	10	E	18	2090.8930	**1045.9502**	697.6359
1161.5270	581.2671	387.8472	11	K	17	1961.8504	**981.4289**	654.6217
1274.6110	637.8092	425.5419	12	L	16	1833.7555	**917.3814**	611.9233
1361.6431	681.3252	454.5525	13	S	15	1720.6714	**860.8393**	574.2287
1528.6414	764.8244	510.2187	14	S[167]	14	1633.6394	**817.3233**	545.2180
1657.6840	**829.3456**	553.2329	15	E	13	1466.6410	**733.8242**	489.5519
1838.6980	919.8527	613.5709	16	T[181]	12	**1337.5984**	**669.3029**	446.5377
1935.7508	968.3790	645.9218	17	P	11	**1156.5844**	**578.7959**	386.1997
2006.7879	**1003.8976**	**669.6008**	18	A	10	**1059.5317**	**530.2695**	353.8487
2119.8720	**1060.4396**	707.2955	19	L	9	**988.4946**	494.7509	330.1697
2248.9145	**1124.9609**	750.3097	20	E	8	**875.4105**	438.2089	292.4750
2335.9466	**1168.4769**	779.3204	21	S	7	**746.3679**	373.6876	249.4608
2464.9892	**1232.9982**	**822.3346**	22	E	6	**659.3359**	330.1716	220.4501
2522.0106	**1261.5090**	841.3417	23	G	5	**530.2933**	265.6503	177.4359
2619.0634	1310.0353	873.6926	24	P	4	**473.2718**	237.1395	158.4288
2747.1220	**1374.0646**	916.3788	25	Q	3	376.2191	188.6132	126.0779
2848.1696	**1424.5885**	**950.0614**	26	T	2	248.1605	124.5839	83.3917
			27	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.VEPVEGS$_{167}$LQS$_{167}$K.L/2

0.9978

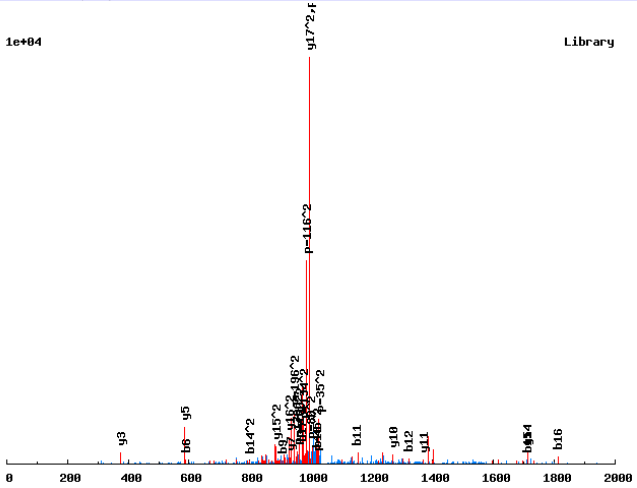


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
229.1183	115.0628	2	E	10	1233.4800	**617.2436**
326.1710	163.5892	3	P	9	**1104.4374**	**552.7223**
425.2394	213.1234	4	V	8	**1007.3846**	**504.1960**
554.2820	277.6447	5	E	7	**908.3162**	**454.6617**
611.3035	306.1554	6	G	6	**779.2736**	390.1405
778.3019	389.6546	7	S[167]	5	**722.2522**	361.6297
891.3859	446.1966	8	L	4	**555.2538**	278.1305
1019.4445	510.2259	9	Q	3	**442.1697**	221.5885
1186.4429	593.7251	10	S[167]	2	**314.1112**	157.5592
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VESGSQQTSIHS$_{167}$T$_{181}$PIVQK.L/2

0.9986

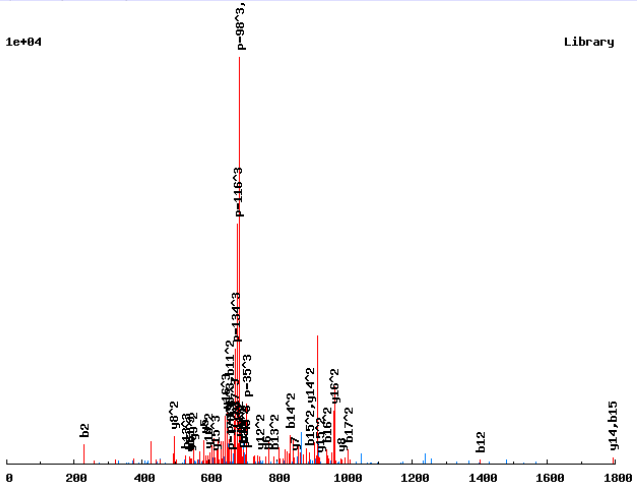


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	18		
229.1183	115.0628	2	E	17	1986.8569	**993.9321**
316.1503	158.5788	3	S	16	1857.8143	**929.4108**
373.1718	187.0895	4	G	15	1770.7823	**885.8948**
460.2038	230.6055	5	S	14	**1713.7609**	857.3841
588.2624	294.6348	6	Q	13	1626.7288	813.8681
716.3210	358.6641	7	Q	12	1498.6702	749.8388
817.3686	409.1880	8	T	11	**1370.6117**	685.8095
904.4007	452.7040	9	S	10	**1269.5640**	635.2856
1017.4847	509.2460	10	I	9	1182.5320	591.7696
1154.5436	577.7755	11	H	8	1069.4479	535.2276
1321.5420	661.2746	12	S[167]	7	**932.3890**	466.6981
1502.5560	751.7816	13	T[181]	6	765.3906	383.1990
1599.6088	**800.3080**	14	P	5	**584.3766**	292.6919
1712.6928	856.8501	15	I	4	487.3238	244.1656
1811.7612	906.3843	16	V	3	**374.2398**	187.6235
1939.8198	**970.4136**	17	Q	2	275.1714	138.0893
		18	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VESGS$_{167}$QQT$_{181}$SIHST$_{181}$PIVQK.L/3

0.8182

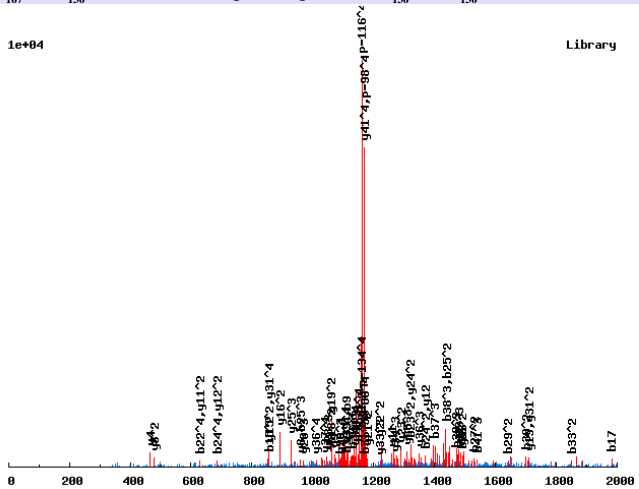


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	18			
229.1183	115.0628	77.0443	2	E	17	2066.8233	1033.9153	**689.6126**
316.1503	158.5788	106.0550	3	S	16	1937.7807	**969.3940**	**646.5984**
373.1718	187.0895	125.0621	4	G	15	1850.7486	**925.8780**	**617.5877**
540.1701	270.5887	180.7282	5	S[167]	14	**1793.7272**	**897.3672**	598.5806
668.2287	334.6180	223.4144	6	Q	13	1626.7288	813.8681	**542.9145**
796.2873	398.6473	266.1006	7	Q	12	1498.6702	**749.8388**	500.2283
977.3013	489.1543	326.4386	8	T[181]	11	1370.6117	**685.8095**	457.5421
1064.3333	532.6703	355.4493	9	S	10	1189.5977	**595.3025**	397.2041
1177.4174	589.2123	393.1440	10	I	9	1102.5656	**551.7865**	368.1934
1314.4763	**657.7418**	438.8303	11	H	8	**989.4816**	**495.2444**	330.4987
1401.5083	**701.2578**	467.8410	12	S	7	**852.4227**	426.7150	284.8124
1582.5223	**791.7648**	**528.1790**	13	T[181]	6	**765.3906**	383.1990	255.8017
1679.5751	**840.2912**	560.5299	14	P	5	**584.3766**	292.6919	195.4637
1792.6592	**896.8332**	598.2246	15	I	4	487.3238	244.1656	163.1128
1891.7276	**946.3674**	631.2474	16	V	3	374.2398	187.6235	125.4181
2019.7862	**1010.3967**	**673.9336**	17	Q	2	275.1714	138.0893	92.3953
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.VEVTS$_{167}$EDEK$_{136}$ELESAAYDHAEPVQPEDAPQDIANDELK$_{136}$DIPVK$_{136}$.S/4

0.7209

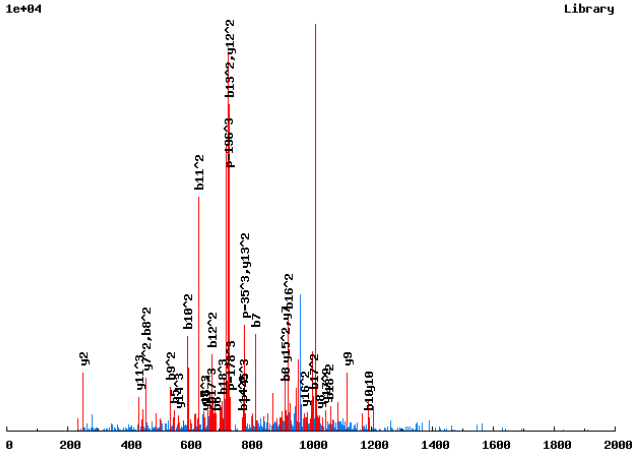


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
100.0757	50.5415	34.0301	25.7744	1	V	42				
229.1183	115.0628	77.0443	58.0350	2	E	41	4668.1461	2334.5767	1556.7202	**1167.7920**
328.1867	164.5970	110.0671	82.8021	3	V	40	4539.1035	2270.0554	1513.7060	**1135.5313**
429.2344	215.1208	143.7496	108.0641	4	T	39	4440.0351	2220.5212	**1480.6832**	**1110.7642**
596.2327	298.6200	199.4158	149.8136	5	S[167]	38	4338.9875	2169.9974	1447.0007	**1085.5023**
725.2753	363.1413	242.4300	182.0743	6	E	37	4171.9891	2086.4982	1391.3346	**1043.7527**
840.3023	420.6548	280.7723	210.8310	7	D	36	4042.9465	2021.9769	**1348.3204**	**1011.4921**
969.3449	485.1761	323.7865	243.0917	8	E	35	3927.9196	1964.4634	**1309.9780**	982.7354
1105.4540	553.2306	369.1562	277.1190	9	K[136]	34	3798.8770	1899.9421	**1266.9638**	950.4747
1234.4966	617.7519	412.1704	309.3796	10	E	33	3662.7678	1831.8875	**1221.5941**	916.4474
1347.5807	674.2940	449.8651	337.6506	11	L	32	3533.7252	1767.3663	1178.5799	884.1868
1476.6232	738.8153	492.8793	369.9113	12	E	31	3420.6412	**1710.8242**	**1140.8852**	**855.9158**
1563.6553	782.3313	521.8899	391.6693	13	S	30	3291.5986	1646.3029	1097.8710	823.6551
1634.6924	817.8498	545.5690	409.4286	14	A	29	3204.5665	1602.7869	1068.8604	801.8971
1705.7295	**853.3684**	569.2480	427.1878	15	A	28	3133.5294	1567.2684	**1045.1813**	784.1378
1868.7928	934.9001	623.6025	467.9537	16	Y	27	3062.4923	1531.7498	1021.5023	766.3785
1983.8198	992.4135	661.9448	496.7104	17	D	26	2899.4290	1450.2181	**967.1479**	725.6127
2120.8787	**1060.9430**	707.6311	530.9751	18	H	25	2784.4021	1392.7047	**928.8055**	696.8560
2191.9158	1096.4615	731.3101	548.7344	19	A	24	2647.3431	**1324.1752**	883.1192	662.5912
2320.9584	**1160.9828**	774.3243	580.9951	20	E	23	2576.3060	**1288.6567**	859.4402	644.8320
2418.0111	1209.5092	806.6752	605.2582	21	P	22	2447.2634	**1224.1354**	816.4260	612.5713
2517.0795	1259.0434	839.6980	**630.0253**	22	V	21	2350.2107	**1175.6090**	784.0751	588.3081
2645.1381	**1323.0727**	882.3842	662.0400	23	Q	20	2251.1423	1126.0748	751.0523	563.5410
2742.1909	**1371.5991**	914.7351	**686.3032**	24	P	19	2123.0837	**1062.0455**	708.3661	531.5264
2871.2335	**1436.1204**	**957.7493**	718.5638	25	E	18	2026.0309	1013.5191	676.0152	507.2632
2986.2604	**1493.6338**	996.0917	747.3206	26	D	17	1896.9883	948.9978	633.0010	475.0025
3057.2975	**1529.1524**	1019.7707	765.0798	27	A	16	1781.9614	**891.4843**	594.6587	446.2458
3154.3503	1577.6788	1052.1216	789.3430	28	P	15	**1710.9243**	**855.9658**	570.9796	428.4865
3282.4089	**1641.7081**	**1094.8078**	821.3577	29	Q	14	1613.8715	807.4394	538.6287	404.2233
3397.4358	**1699.2215**	**1133.1501**	850.1144	30	D	13	**1485.8130**	743.4101	495.9425	372.2087
3510.5199	1755.7636	**1170.8448**	878.3854	31	I	12	**1370.7860**	**685.8966**	457.6002	343.4520
3581.5570	1791.2821	1194.5238	896.1447	32	A	11	**1257.7020**	**629.3546**	419.9055	315.1809
3695.5999	**1848.3036**	1232.5382	924.6554	33	N	10	1186.6648	593.8361	396.2265	297.4217
3810.6269	1905.8171	1270.8805	953.4122	34	D	9	**1072.6219**	536.8146	358.2122	268.9109
3939.6694	1970.3384	1313.8947	985.6728	35	E	8	**957.5950**	**479.3011**	319.8698	240.1542
4052.7535	2026.8804	1351.5894	1013.9438	36	L	7	828.5524	414.7798	276.8556	207.8936
4188.8627	2094.9350	**1396.9591**	1047.9711	37	K[136]	6	715.4683	358.2378	239.1610	179.6225
4303.8896	2152.4484	**1435.3014**	1076.7279	38	D	5	579.3592	290.1832	193.7912	145.5953
4416.9737	2208.9905	**1472.9961**	**1104.9989**	39	I	4	**464.3322**	232.6698	155.4489	116.8385
4514.0264	2257.5168	1505.3470	1129.2621	40	P	3	351.2482	176.1277	117.7542	88.5675
4613.0948	2307.0511	**1538.3698**	**1154.0292**	41	V	2	254.1954	127.6013	85.4033	64.3043
				42	K[136]	1	155.1270	78.0671	52.3805	39.5372

Annotated spectra from Saleem et. al. 2009

K.VGQHEHEVC$_{160}$DASDST$_{181}$DS$_{167}$IPK$_{136}$.N/3

0.9988

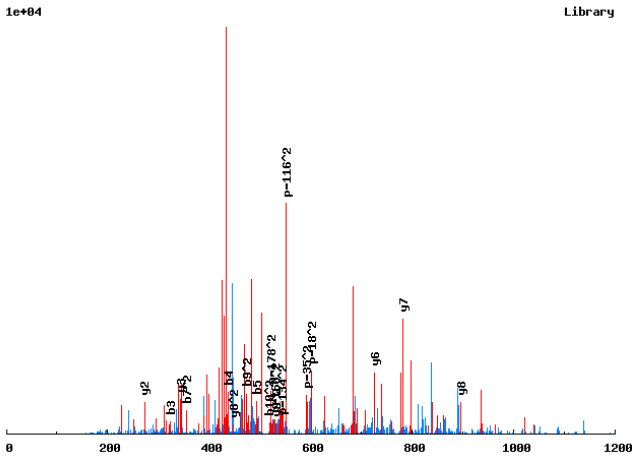


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	20			
157.0971	79.0522	53.0372	2	G	19	2279.8403	1140.4238	760.6183
285.1557	143.0815	95.7234	3	Q	18	2222.8188	1111.9131	741.6111
422.2146	211.6110	141.4097	4	H	17	2094.7602	**1047.8838**	698.9249
551.2572	276.1323	184.4239	5	E	16	1957.7013	**979.3543**	**653.2386**
688.3161	344.6617	230.1102	6	H	15	1828.6587	**914.8330**	610.2244
817.3587	409.1830	273.1244	7	E	14	1691.5998	846.3036	**564.5381**
916.4271	**458.7172**	306.1472	8	V	13	1562.5572	**781.7823**	521.5239
1076.4578	**538.7325**	359.4908	9	C[160]	12	1463.4888	**732.2481**	488.5011
1191.4847	**596.2460**	397.8331	10	D	11	1303.4582	652.2327	**435.1576**
1262.5218	**631.7646**	421.5121	11	A	10	**1188.4312**	594.7193	396.8153
1349.5539	**675.2806**	450.5228	12	S	9	**1117.3941**	559.2007	373.1362
1464.5808	**732.7940**	488.8651	13	D	8	**1030.3621**	515.6847	344.1256
1551.6128	**776.3101**	517.8758	14	S	7	**915.3352**	**458.1712**	305.7832
1732.6269	866.8171	578.2138	15	T[181]	6	828.3031	414.6552	276.7726
1847.6538	**924.3305**	616.5561	16	D	5	**647.2891**	324.1482	216.4346
2014.6522	**1007.8297**	**672.2222**	17	S[167]	4	532.2622	266.6347	178.0922
2127.7362	**1064.3717**	**709.9169**	18	I	3	365.2638	183.1355	122.4261
2224.7890	1112.8981	742.2678	19	P	2	**252.1798**	126.5935	84.7314
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.VGS$_{167}$IGSQS$_{167}$ASR$_{166}$.N/2

0.9407

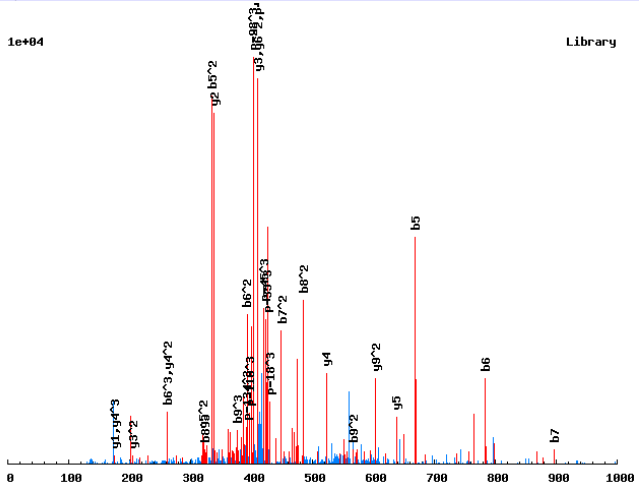


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
157.0971	79.0522	2	G	10	1119.4107	560.2090
324.0955	162.5514	3	S[167]	9	1062.3892	**531.6982**
437.1796	219.0934	4	I	8	**895.3909**	**448.1991**
494.2010	247.6042	5	G	7	**782.3068**	391.6570
581.2331	291.1202	6	S	6	**725.2853**	363.1463
709.2916	**355.1495**	7	Q	5	638.2533	319.6303
876.2900	438.6486	8	S[167]	4	510.1947	255.6010
947.3271	**474.1672**	9	A	3	**343.1964**	172.1018
1034.3591	**517.6832**	10	S	2	**272.1592**	136.5833
		11	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.VHSYT$_{181}$DLAYR.M/3

0.9957

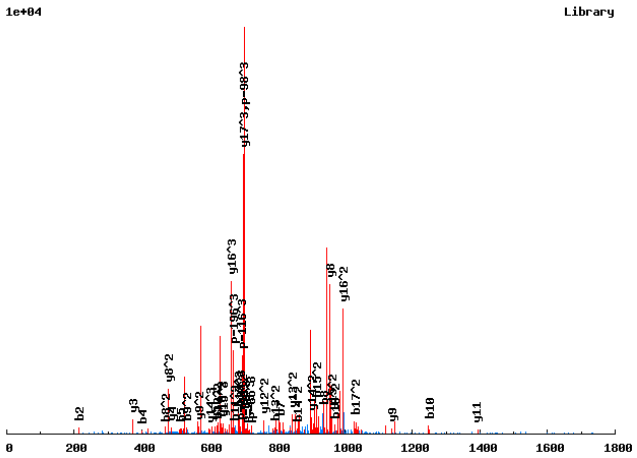


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	10			
237.1346	119.0709	79.7164	2	H	9	1205.4987	**603.2530**	**402.5044**
324.1666	162.5870	108.7271	3	S	8	1068.4398	534.7235	356.8181
487.2300	244.1186	163.0815	4	Y	7	981.4077	491.2075	327.8074
668.2440	**334.6256**	223.4195	5	T[181]	6	818.3444	**409.6758**	273.4530
783.2709	**392.1391**	**261.7618**	6	D	5	**637.3304**	**319.1688**	213.1150
896.3550	**448.6811**	299.4565	7	L	4	**522.3035**	**261.6554**	**174.7727**
967.3921	**484.1997**	**323.1355**	8	A	3	**409.2194**	**205.1133**	137.0780
1130.4554	**565.7313**	**377.4900**	9	Y	2	**338.1823**	169.5948	113.3989
			10	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.VIADDS$_{167}$KKQT$_{181}$PENEDLLK.E/3

0.9705

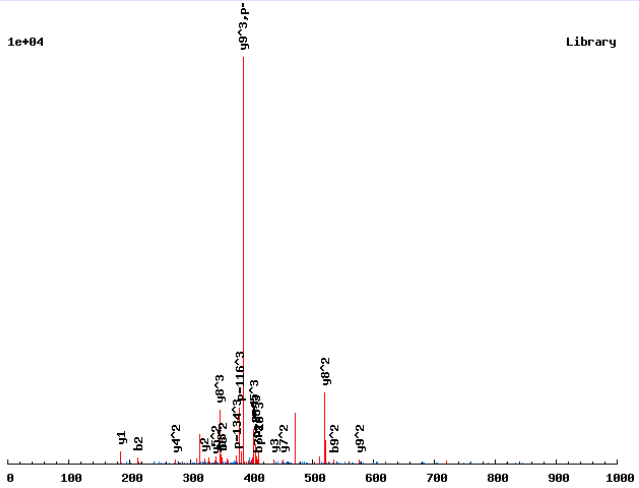


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	18			
213.1598	107.0835	71.7248	2	I	17	2103.9247	1052.4660	**701.9797**
284.1969	142.6021	95.4038	3	A	16	1990.8406	**995.9239**	**664.2851**
399.2238	200.1155	133.7461	4	D	15	1919.8035	**960.4054**	**640.6060**
514.2507	257.6290	172.0884	5	D	14	1804.7765	**902.8919**	**602.2637**
681.2491	341.1282	227.7546	6	S[167]	13	1689.7496	**845.3784**	563.9214
809.3441	405.1757	270.4529	7	K	12	1522.7512	**761.8793**	508.2553
937.4390	**469.2232**	313.1512	8	K	11	**1394.6563**	**697.8318**	465.5569
1065.4976	**533.2524**	355.8374	9	Q	10	1266.5613	**633.7843**	422.8586
1246.5116	**623.7594**	416.1754	10	T[181]	9	**1138.5027**	**569.7550**	380.1724
1343.5644	**672.2858**	448.5263	11	P	8	**957.4887**	**479.2480**	319.8344
1472.6070	736.8071	491.5405	12	E	7	860.4360	430.7216	287.4835
1586.6499	**793.8286**	529.5548	13	N	6	731.3934	366.2003	244.4693
1715.6925	**858.3499**	572.5690	14	E	5	**617.3505**	309.1789	206.4550
1830.7194	**915.8634**	610.9113	15	D	4	**488.3079**	244.6576	163.4408
1943.8035	**972.4054**	648.6060	16	L	3	**373.2809**	187.1441	125.0985
2056.8875	**1028.9474**	**686.3007**	17	L	2	260.1969	130.6021	87.4038
			18	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.VIHGS$_{167}$ENLHR$_{166}$.Q/3

0.9467

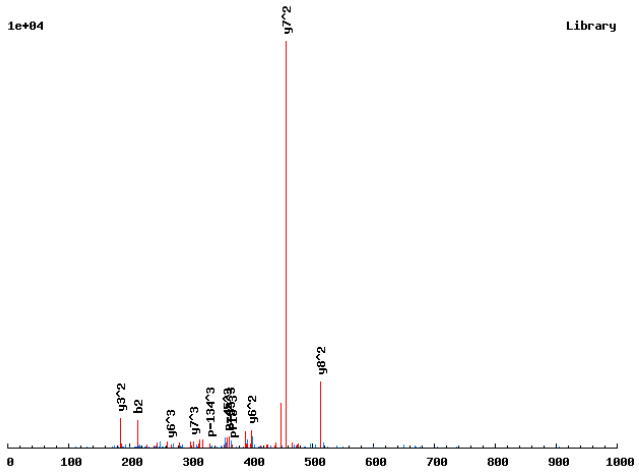


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	10			
213.1598	107.0835	71.7248	2	I	9	1152.5185	**576.7629**	**384.8444**
350.2187	175.6130	117.4111	3	H	8	1039.4344	**520.2209**	**347.1497**
407.2401	204.1237	136.4182	4	G	7	902.3755	**451.6914**	301.4634
574.2385	287.6229	192.0843	5	S[167]	6	845.3541	423.1807	282.4562
703.2811	**352.1442**	235.0985	6	E	5	678.3557	**339.6815**	226.7901
817.3240	**409.1656**	273.1129	7	N	4	549.3131	**275.1602**	183.7759
930.4081	465.7077	310.8075	8	L	3	**435.2702**	218.1387	145.7616
1067.4670	**534.2371**	356.4938	9	H	2	**322.1861**	161.5967	108.0669
			10	R[166]	1	**185.1272**	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.VIIS$_{167}$FNLTK$_{136}$.K/3

0.6092

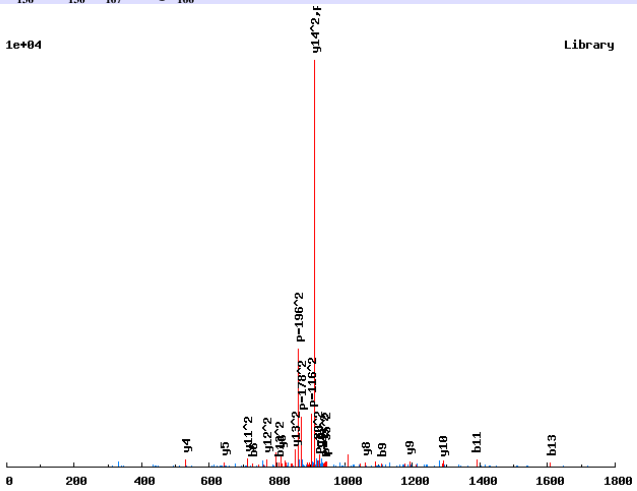


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	9			
213.1598	107.0835	71.7248	2	I	8	1023.5366	**512.2719**	341.8504
326.2438	163.6255	109.4195	3	I	7	910.4525	**455.7299**	**304.1557**
493.2422	247.1247	165.0856	4	S[167]	6	797.3684	**399.1879**	**266.4610**
640.3106	320.6589	214.1084	5	F	5	630.3701	315.6887	210.7949
754.3535	377.6804	252.1227	6	N	4	483.3017	242.1545	161.7721
867.4376	434.2224	289.8174	7	L	3	369.2587	**185.1330**	123.7578
968.4853	484.7463	323.4999	8	T	2	256.1747	128.5910	86.0631
			9	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.VIS$_{167}$NK$_{136}$VEK$_{136}$DS$_{167}$DSEQR$_{166}$.G/2

0.9916

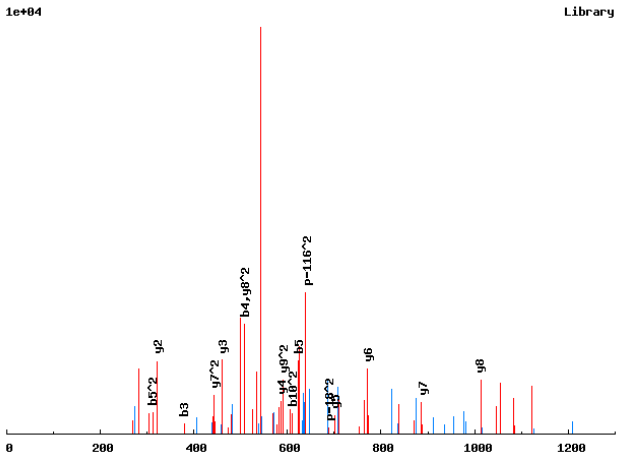


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	15		
213.1598	107.0835	2	I	14	1820.7673	**910.8873**
380.1581	190.5827	3	S[167]	13	1707.6833	**854.3453**
494.2010	247.6042	4	N	12	1540.6849	**770.8461**
630.3102	315.6587	5	K[136]	11	1426.6420	**713.8246**
729.3786	365.1929	6	V	10	**1290.5328**	645.7700
858.4212	429.7142	7	E	9	**1191.4644**	596.2358
994.5304	497.7688	8	K[136]	8	**1062.4218**	531.7145
1109.5573	555.2823	9	D	7	**926.3127**	463.6600
1276.5557	638.7815	10	S[167]	6	**811.2857**	406.1465
1391.5826	696.2949	11	D	5	**644.2874**	322.6473
1478.6146	739.8110	12	S	4	**529.2604**	265.1338
1607.6572	**804.3323**	13	E	3	442.2284	221.6178
1735.7158	868.3615	14	Q	2	313.1858	157.0965
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.VIS$_{167}$QDALQHFR.S/2

0.9563

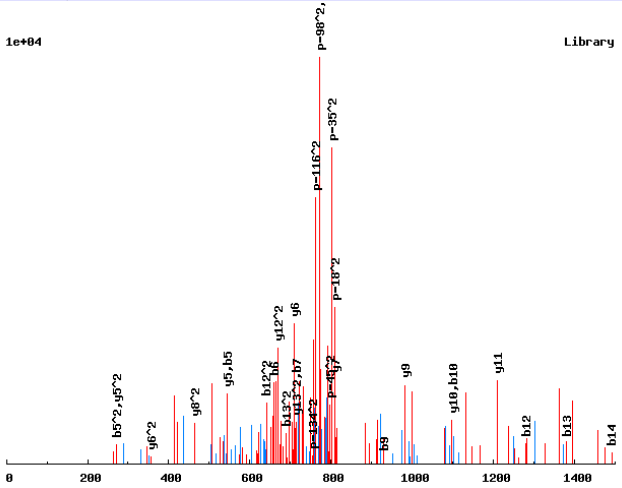


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
213.1598	107.0835	2	I	10	1294.5940	647.8006
380.1581	190.5827	3	S[167]	9	1181.5099	**591.2586**
508.2167	254.6120	4	Q	8	**1014.5115**	**507.7594**
623.2436	**312.1255**	5	D	7	**886.4530**	**443.7301**
694.2807	347.6440	6	A	6	**771.4260**	386.2167
807.3648	404.1860	7	L	5	**700.3889**	350.6981
935.4234	468.2153	8	Q	4	**587.3049**	294.1561
1072.4823	536.7448	9	H	3	**459.2463**	230.1268
1219.5507	**610.2790**	10	F	2	**322.1874**	161.5973
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.VLSENDGDVS$_{167}$PSVLK.Q/2

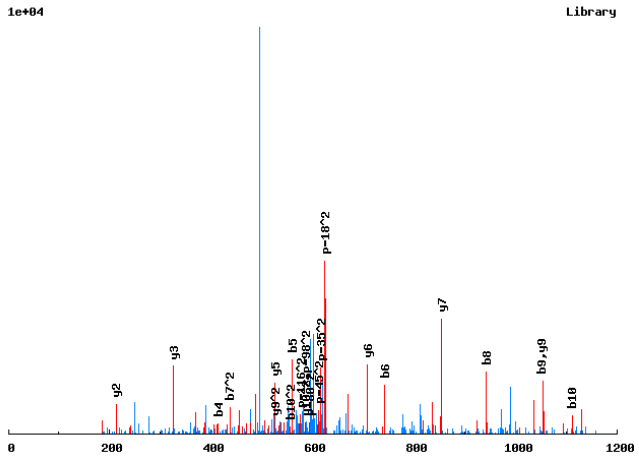
0.8226



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	15		
213.1598	107.0835	2	L	14	1539.6938	**770.3505**
300.1918	150.5995	3	S	13	1426.6097	**713.8085**
429.2344	215.1208	4	E	12	1339.5777	**670.2925**
543.2773	**272.1423**	5	N	11	**1210.5351**	605.7712
658.3042	329.6558	6	D	10	**1096.4922**	548.7497
715.3257	358.1665	7	G	9	**981.4652**	491.2363
830.3526	415.6800	8	D	8	924.4438	**462.7255**
929.4210	465.2142	9	V	7	**809.4168**	405.2121
1096.4194	548.7133	10	S[167]	6	**710.3484**	**355.6779**
1193.4722	597.2397	11	P	5	**543.3501**	**272.1787**
1280.5042	**640.7557**	12	S	4	446.2973	223.6523
1379.5726	**690.2899**	13	V	3	359.2653	180.1363
1492.6567	746.8320	14	L	2	260.1969	130.6021
		15	K	1	147.1128	74.0600

K.VLSLFT$_{181}$EAIGK$_{136}$.G/2

0.8093

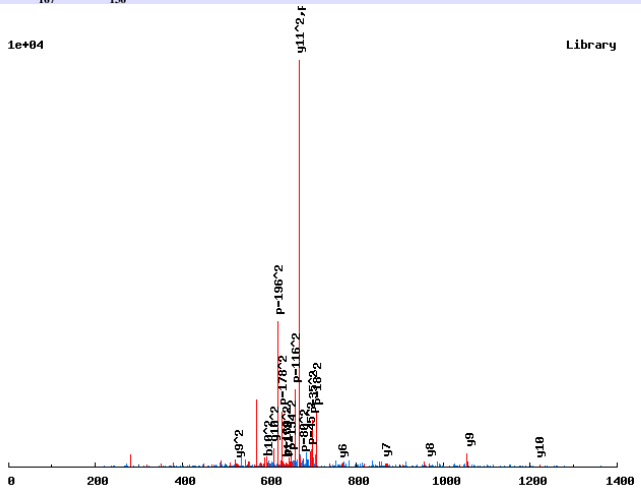


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
213.1598	107.0835	2	L	10	1166.5948	**583.8010**
300.1918	150.5995	3	S	9	**1053.5107**	**527.2590**
413.2758	207.1416	4	L	8	966.4787	483.7430
560.3442	280.6758	5	F	7	**853.3946**	427.2010
741.3583	371.1828	6	T[181]	6	**706.3262**	353.6668
870.4009	**435.7041**	7	E	5	**525.3122**	263.1597
941.4380	471.2226	8	A	4	396.2696	198.6385
1054.5220	527.7647	9	I	3	**325.2325**	163.1199
1111.5435	**556.2754**	10	G	2	**212.1485**	106.5779
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.VLS$_{167}$STTS$_{167}$DELSK$_{136}$.V/2

0.5985

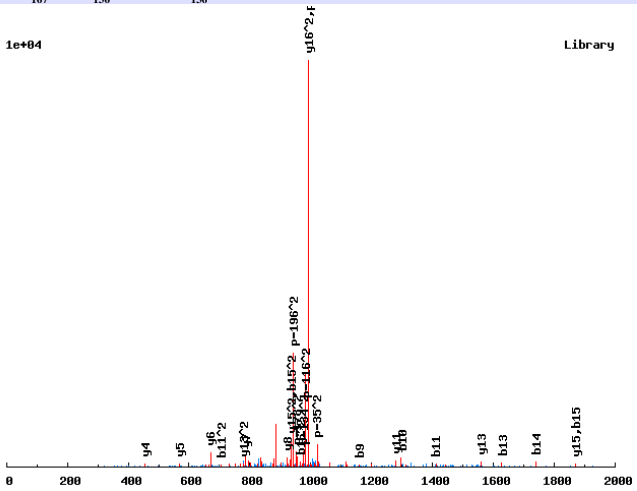


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	12		
213.1598	107.0835	2	L	11	1335.5208	**668.2640**
380.1581	190.5827	3	S[167]	10	**1222.4367**	**611.7220**
467.1901	234.0987	4	S	9	**1055.4384**	**528.2228**
568.2378	284.6226	5	T	8	**968.4063**	484.7068
669.2855	335.1464	6	T	7	**867.3587**	434.1830
836.2839	418.6456	7	S[167]	6	**766.3110**	383.6591
951.3108	476.1590	8	D	5	599.3126	300.1599
1080.3534	540.6803	9	E	4	484.2857	242.6465
1193.4375	**597.2224**	10	L	3	355.2431	178.1252
1280.4695	**640.7384**	11	S	2	242.1590	121.5832
		12	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.VLT$_{181}$ENS$_{167}$NELK$_{136}$DTNNEGK$_{136}$.D/2

0.9988

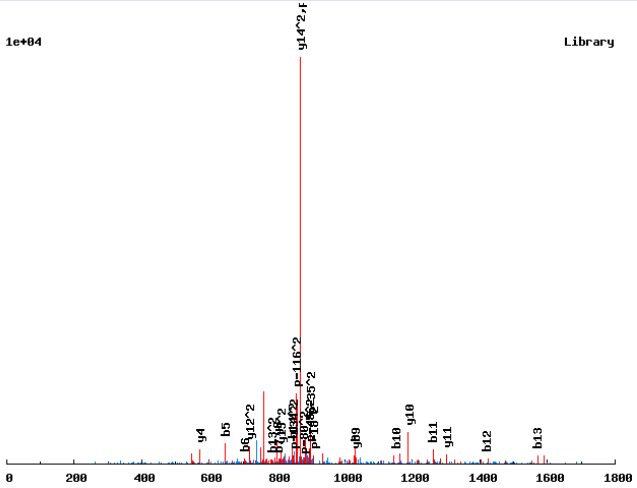


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	17		
213.1598	107.0835	2	L	16	1981.8122	**991.4097**
394.1738	197.5905	3	T[181]	15	**1868.7282**	**934.8677**
523.2164	262.1118	4	E	14	1687.7141	844.3607
637.2593	319.1333	5	N	13	**1558.6716**	**779.8394**
804.2576	402.6325	6	S[167]	12	1444.6286	722.8180
918.3006	459.6539	7	N	11	**1277.6303**	639.3188
1047.3432	524.1752	8	E	10	1163.5873	582.2973
1160.4272	580.7173	9	L	9	1034.5447	517.7760
1296.5364	648.7718	10	K[136]	8	**921.4607**	461.2340
1411.5633	**706.2853**	11	D	7	**785.3515**	393.1794
1512.6110	756.8091	12	T	6	**670.3246**	335.6659
1626.6539	813.8306	13	N	5	**569.2769**	285.1421
1740.6969	870.8521	14	N	4	**455.2340**	228.1206
1869.7395	**935.3734**	15	E	3	341.1910	171.0992
1926.7609	**963.8841**	16	G	2	212.1485	106.5779
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.VLT$_{181}$HDGTLDNDYFNK.H/2

0.9999

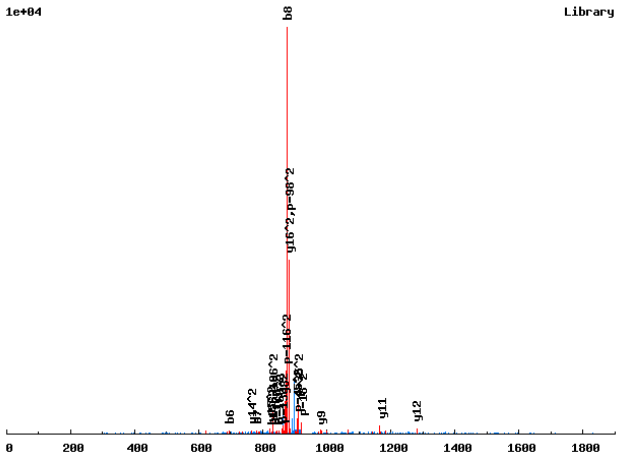


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	15		
213.1598	107.0835	2	L	14	1732.7214	**866.8643**
394.1738	197.5905	3	T[181]	13	1619.6373	**810.3223**
531.2327	266.1200	4	H	12	1438.6233	**719.8153**
646.2596	323.6334	5	D	11	**1301.5644**	651.2858
703.2811	352.1442	6	G	10	**1186.5375**	593.7724
804.3288	402.6680	7	T	9	1129.5160	565.2616
917.4128	459.2100	8	L	8	**1028.4683**	514.7378
1032.4398	516.7235	9	D	7	915.3843	458.1958
1146.4827	573.7450	10	N	6	**800.3573**	400.6823
1261.5096	631.2585	11	D	5	686.3144	343.6608
1424.5730	712.7901	12	Y	4	**571.2875**	286.1474
1571.6414	**786.3243**	13	F	3	408.2241	204.6157
1685.6843	**843.3458**	14	N	2	261.1557	131.0815
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VNDSYDSPLS$_{167}$GT$_{181}$ASTGK.T/2

1

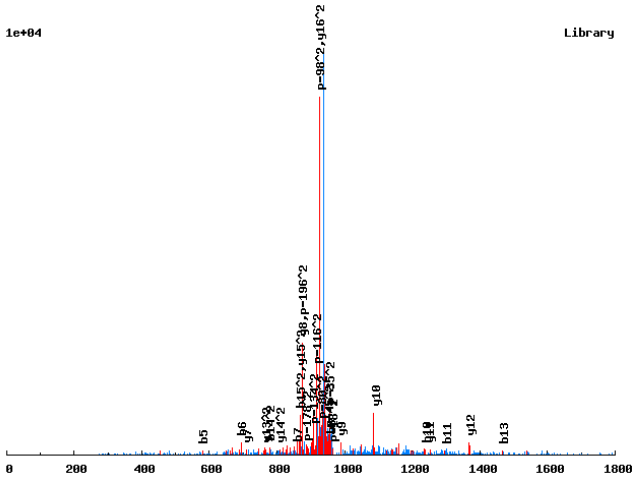


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	17		
214.1186	107.5630	2	N	16	1759.6459	**880.3266**
329.1456	165.0764	3	D	15	1645.6030	**823.3051**
416.1776	208.5924	4	S	14	1530.5761	**765.7917**
579.2409	290.1241	5	Y	13	1443.5440	722.2757
694.2679	347.6376	6	D	12	**1280.4807**	640.7440
781.2999	391.1536	7	S	11	**1165.4538**	583.2305
878.3527	439.6800	8	P	10	1078.4217	539.7145
991.4367	496.2220	9	L	9	**981.3690**	491.1881
1158.4351	579.7212	10	S[167]	8	**868.2849**	434.6461
1215.4565	608.2319	11	G	7	701.2866	351.1469
1396.4705	698.7389	12	T[181]	6	644.2651	322.6362
1467.5077	734.2575	13	A	5	463.2511	232.1292
1554.5397	777.7735	14	S	4	392.2140	196.6106
1655.5874	**828.2973**	15	T	3	305.1819	153.0946
1712.6088	856.8081	16	G	2	204.1343	102.5708
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VNDSYDS$_{167}$PLS$_{167}$GTAST$_{181}$GK$_{136}$.T/2

0.9409

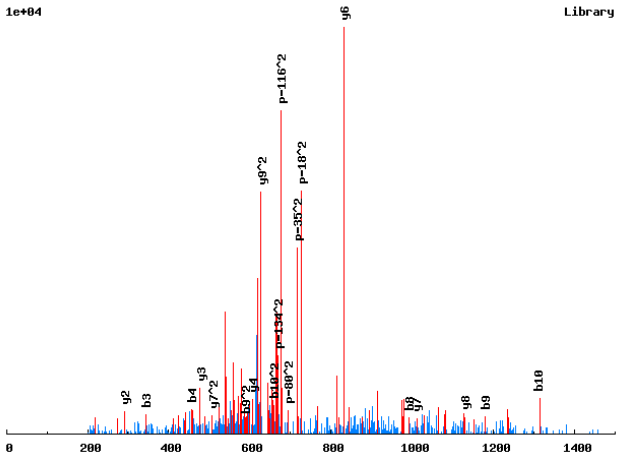


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	17		
214.1186	107.5630	2	N	16	1847.6265	**924.3169**
329.1456	165.0764	3	D	15	1733.5835	**867.2954**
416.1776	208.5924	4	S	14	1618.5566	**809.7819**
579.2409	290.1241	5	Y	13	1531.5246	**766.2659**
694.2679	347.6376	6	D	12	**1368.4612**	684.7343
861.2662	431.1368	7	S[167]	11	**1253.4343**	627.2208
958.3190	479.6631	8	P	10	**1086.4359**	543.7216
1071.4030	536.2052	9	L	9	**989.3832**	495.1952
1238.4014	619.7043	10	S[167]	8	**876.2991**	438.6532
1295.4229	648.2151	11	G	7	**709.3008**	355.1540
1396.4705	698.7389	12	T	6	652.2793	326.6433
1467.5077	734.2575	13	A	5	551.2316	276.1194
1554.5397	**777.7735**	14	S	4	480.1945	240.6009
1735.5537	**868.2805**	15	T[181]	3	393.1625	197.0849
1792.5752	896.7912	16	G	2	212.1485	106.5779
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.VNENT$_{181}$PEQWK$_{136}$K$_{136}$.E/2

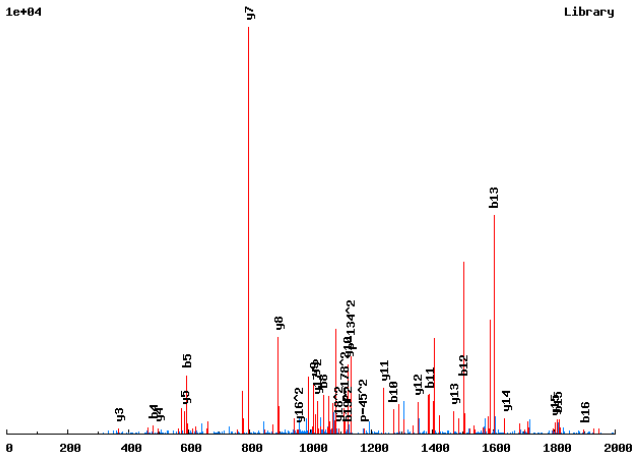
0.6663



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
214.1186	107.5630	2	N	10	1369.6119	685.3096
343.1612	172.0842	3	E	9	1255.5689	**628.2881**
457.2041	229.1057	4	N	8	**1126.5263**	563.7668
638.2182	319.6127	5	T[181]	7	**1012.4834**	**506.7453**
735.2709	368.1391	6	P	6	**831.4694**	416.2383
864.3135	432.6604	7	E	5	734.4166	367.7120
992.3721	496.6897	8	Q	4	**605.3740**	303.1907
1178.4514	**589.7293**	9	W	3	**477.3155**	239.1614
1314.5605	**657.7839**	10	K[136]	2	**291.2362**	146.1217
		11	K[136]	1	155.1270	78.0671

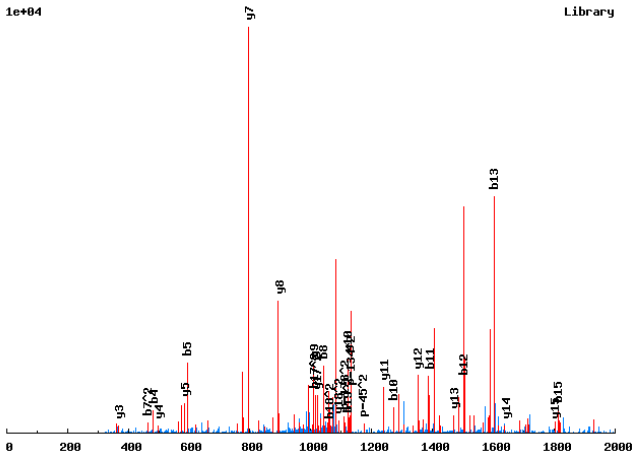
K.VNHELS$_{167}$S$_{167}$DDDDDVPLSQTLK$_{136}$.K/2

1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	20		
214.1186	107.5630	2	N	19	2295.9145	1148.4609
351.1775	176.0924	3	H	18	2181.8716	**1091.4394**
480.2201	240.6137	4	E	17	2044.8127	**1022.9100**
593.3042	297.1557	5	L	16	1915.7701	**958.3887**
760.3025	380.6549	6	S[167]	15	**1802.6860**	901.8466
927.3009	464.1541	7	S[167]	14	**1635.6876**	818.3475
1042.3278	521.6676	8	D	13	**1468.6893**	734.8483
1157.3548	579.1810	9	D	12	**1353.6623**	677.3348
1272.3817	636.6945	10	D	11	**1238.6354**	619.8213
1387.4087	694.2080	11	D	10	**1123.6085**	562.3079
1502.4356	751.7214	12	D	9	**1008.5815**	504.7944
1601.5040	801.2556	13	V	8	**893.5546**	447.2809
1698.5568	849.7820	14	P	7	**794.4862**	397.7467
1811.6408	906.3241	15	L	6	697.4334	349.2203
1898.6729	949.8401	16	S	5	**584.3493**	292.6783
2026.7314	1013.8694	17	Q	4	**497.3173**	249.1623
2127.7791	1064.3932	18	T	3	**369.2587**	185.1330
2240.8632	**1120.9352**	19	L	2	268.2111	134.6092
		20	K[136]	1	155.1270	78.0671

1

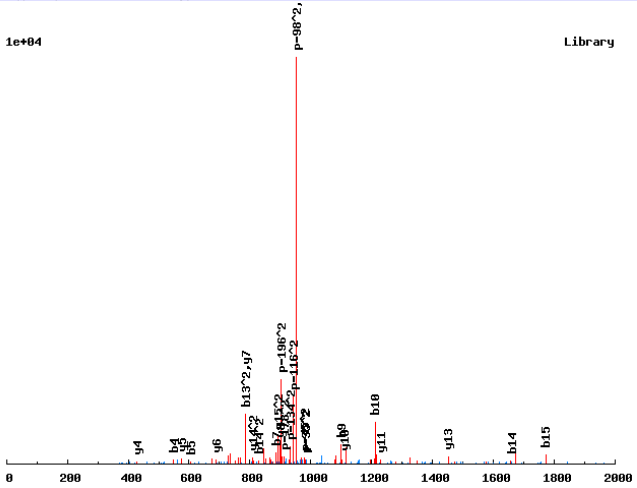


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	20		
214.1186	107.5630	2	N	19	2295.9145	1148.4609
351.1775	176.0924	3	H	18	2181.8716	**1091.4394**
480.2201	240.6137	4	E	17	2044.8127	**1022.9100**
593.3042	297.1557	5	L	16	1915.7701	958.3887
760.3025	380.6549	6	S[167]	15	**1802.6860**	901.8466
927.3009	**464.1541**	7	S[167]	14	**1635.6876**	818.3475
1042.3278	521.6676	8	D	13	**1468.6893**	734.8483
1157.3548	579.1810	9	D	12	**1353.6623**	677.3348
1272.3817	636.6945	10	D	11	**1238.6354**	619.8213
1387.4087	694.2080	11	D	10	**1123.6085**	562.3079
1502.4356	751.7214	12	D	9	**1008.5815**	504.7944
1601.5040	801.2556	13	V	8	**893.5546**	447.2809
1698.5568	849.7820	14	P	7	**794.4862**	397.7467
1811.6408	906.3241	15	L	6	697.4334	349.2203
1898.6729	949.8401	16	S	5	**584.3493**	292.6783
2026.7314	**1013.8694**	17	Q	4	**497.3173**	249.1623
2127.7791	**1064.3932**	18	T	3	**369.2587**	185.1330
2240.8632	**1120.9352**	19	L	2	268.2111	134.6092
		20	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.VNS$_{167}$R$_{166}$GS$_{167}$LTDIPIFSDAK$_{136}$.Q/2

0.9998

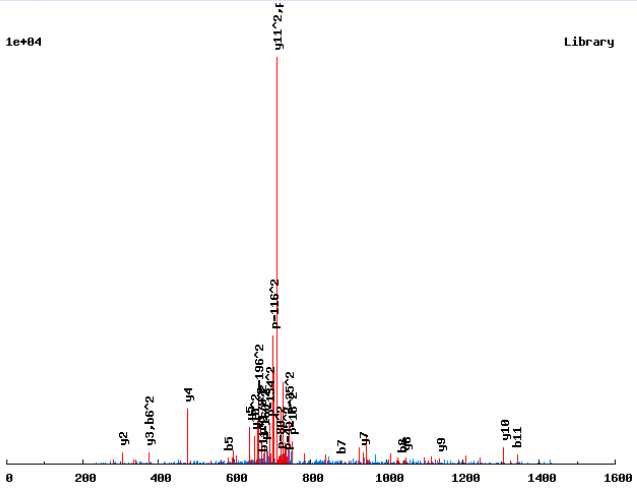


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	17		
214.1186	107.5630	2	N	16	1898.8415	**949.9244**
381.1170	191.0621	3	S[167]	15	1784.7986	**892.9029**
547.2264	274.1168	4	R[166]	14	1617.8002	**809.4038**
604.2478	302.6276	5	G	13	**1451.6909**	726.3491
771.2462	386.1267	6	S[167]	12	1394.6694	697.8383
884.3302	442.6688	7	L	11	**1227.6710**	614.3392
985.3779	493.1926	8	T	10	**1114.5870**	557.7971
1100.4049	550.7061	9	D	9	1013.5393	507.2733
1213.4889	607.2481	10	I	8	**898.5124**	449.7598
1310.5417	655.7745	11	P	7	**785.4283**	393.2178
1423.6257	712.3165	12	I	6	**688.3755**	344.6914
1570.6942	**785.8507**	13	F	5	**575.2915**	288.1494
1657.7262	**829.3667**	14	S	4	**428.2231**	214.6152
1772.7531	886.8802	15	D	3	341.1910	171.0992
1843.7902	922.3988	16	A	2	226.1641	113.5857
		17	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.VNS$_{167}$SNS$_{167}$MYTAER.I/2

0.9995

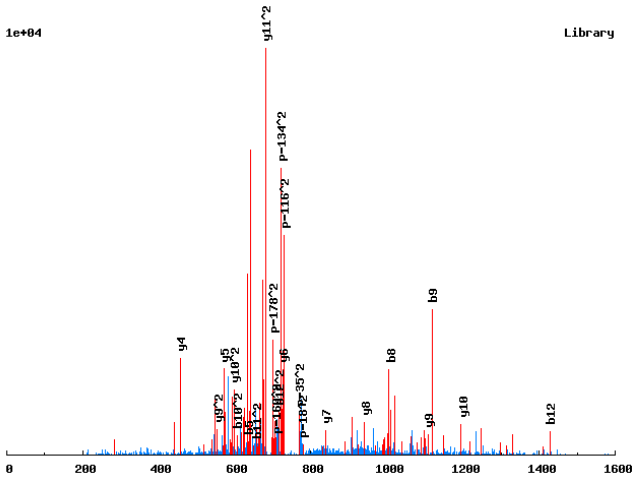


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	12		
214.1186	107.5630	2	N	11	1419.4648	**710.2360**
381.1170	191.0621	3	S[167]	10	**1305.4218**	**653.2146**
468.1490	234.5781	4	S	9	**1138.4235**	569.7154
582.1919	291.5996	5	N	8	**1051.3914**	526.1994
749.1903	**375.0988**	6	S[167]	7	**937.3485**	469.1779
880.2308	440.6190	7	M	6	770.3502	385.6787
1043.2941	522.1507	8	Y	5	**639.3097**	320.1585
1144.3418	572.6745	9	T	4	**476.2463**	238.6268
1215.3789	608.1931	10	A	3	**375.1986**	188.1030
1344.4215	**672.7144**	11	E	2	**304.1615**	152.5844
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.VNS$_{167}$SS$_{167}$TIRLPTLK.Q/2

0.9619

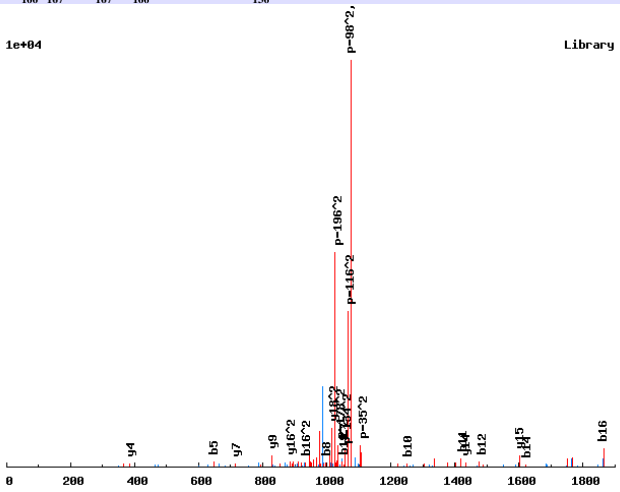


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	13		
214.1186	107.5630	2	N	12	1476.6859	738.8466
381.1170	191.0621	3	S[167]	11	1362.6430	**681.8251**
468.1490	234.5781	4	S	10	**1195.6446**	**598.3259**
635.1474	318.0773	5	S[167]	9	**1108.6126**	**554.8099**
736.1951	368.6012	6	T	8	**941.6142**	471.3107
849.2791	425.1432	7	I	7	**840.5665**	420.7869
1005.3802	503.1938	8	R	6	**727.4825**	364.2449
1118.4643	559.7358	9	L	5	**571.3814**	286.1943
1215.5170	**608.2622**	10	P	4	**458.2973**	229.6523
1316.5647	**658.7860**	11	T	3	361.2445	181.1259
1429.6488	**715.3280**	12	L	2	260.1969	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VNS$_{167}$VR$_{166}$S$_{167}$NAS$_{167}$SR$_{166}$GGSEDGATK$_{136}$.K/2

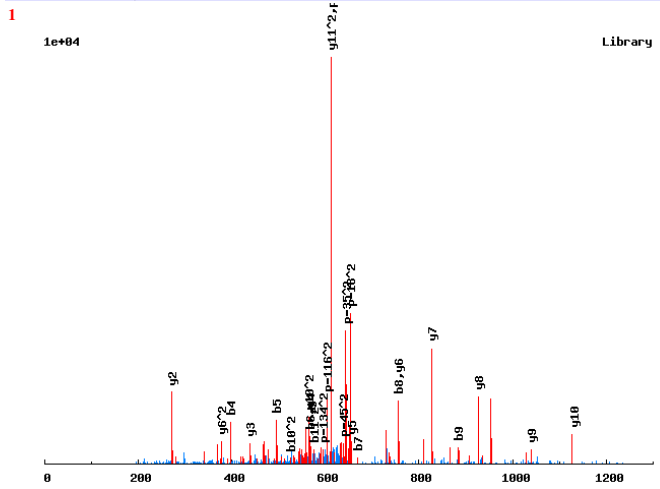
0.9842



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	20		
214.1186	107.5630	2	N	19	2147.8150	**1074.4111**
381.1170	191.0621	3	S[167]	18	2033.7720	**1017.3897**
480.1854	240.5963	4	V	17	1866.7737	933.8905
646.2948	323.6510	5	R[166]	16	1767.7053	**884.3563**
813.2931	407.1502	6	S[167]	15	**1601.5959**	801.3016
927.3361	464.1717	7	N	14	**1434.5975**	717.8024
998.3732	499.6902	8	A	13	1320.5546	660.7809
1165.3715	583.1894	9	S[167]	12	1249.5175	625.2624
1252.4036	626.7054	10	S	11	1082.5191	541.7632
1418.5129	709.7601	11	R[166]	10	995.4871	498.2472
1475.5344	738.2708	12	G	9	**829.3777**	415.1925
1532.5559	766.7816	13	G	8	772.3563	386.6818
1619.5879	810.2976	14	S	7	**715.3348**	358.1710
1748.6305	874.8189	15	E	6	628.3028	314.6550
1863.6574	**932.3324**	16	D	5	499.2602	250.1337
1920.6789	960.8431	17	G	4	**384.2332**	192.6203
1991.7160	996.3616	18	A	3	327.2118	164.1095
2092.7637	**1046.8855**	19	T	2	256.1747	128.5910
		20	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.VPSLVATSES$_{167}$PR.A/2

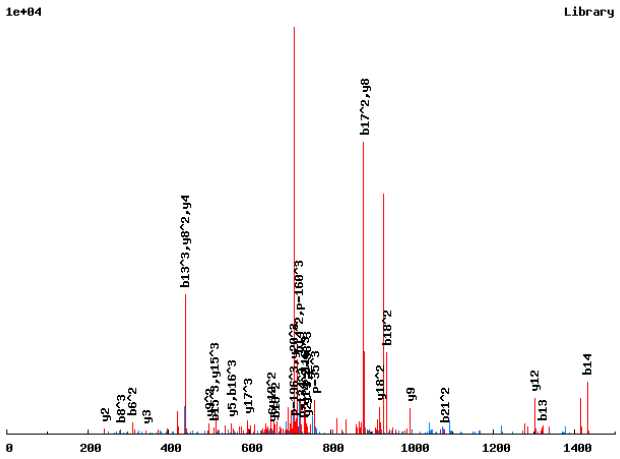


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	12		
197.1285	99.0679	2	P	11	1223.5667	**612.2870**
284.1605	142.5839	3	S	10	**1126.5140**	**563.7606**
397.2445	199.1259	4	L	9	**1039.4820**	520.2446
496.3129	248.6601	5	V	8	**926.3979**	463.7026
567.3501	284.1787	6	A	7	**827.3295**	414.1684
668.3977	334.7025	7	T	6	**756.2924**	**378.6498**
755.4298	378.2185	8	S	5	**655.2447**	328.1260
884.4724	442.7398	9	E	4	**568.2127**	284.6100
1051.4707	**526.2390**	10	S[167]	3	**439.1701**	220.0887
1148.5235	**574.7654**	11	P	2	**272.1717**	136.5895
		12	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.VPT$_{181}$VGSYGVAGAT$_{181}$LPETIPTSK$_{136}$.N/3

0.9908

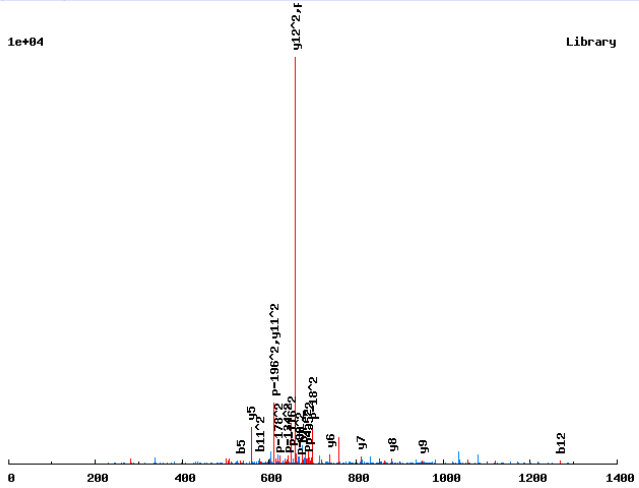


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	22			
197.1285	99.0679	66.3810	2	P	21	2214.0222	1107.5147	**738.6789**
378.1425	189.5749	126.7190	3	T[181]	20	2116.9694	1058.9884	**706.3280**
477.2109	239.1091	159.7418	4	V	19	1935.9554	968.4813	645.9900
534.2323	267.6198	178.7490	5	G	18	1836.8870	**918.9471**	612.9672
621.2644	**311.1358**	207.7596	6	S	17	1779.8655	890.4364	**593.9600**
784.3277	392.6675	262.1141	7	Y	16	1692.8335	846.9204	564.9494
841.3492	421.1782	**281.1212**	8	G	15	1529.7702	765.3887	**510.5949**
940.4176	470.7124	314.1440	9	V	14	1472.7487	**736.8780**	491.5878
1011.4547	506.2310	337.8231	10	A	13	1373.6803	687.3438	458.5650
1068.4761	534.7417	356.8302	11	G	12	**1302.6432**	**651.8252**	434.8859
1139.5132	570.2603	380.5093	12	A	11	1245.6217	623.3145	415.8788
1320.5273	**660.7673**	**440.8473**	13	T[181]	10	1174.5846	587.7960	392.1997
1433.6113	**717.3093**	478.5420	14	L	9	**993.5706**	**497.2889**	331.8617
1530.6641	765.8357	**510.8929**	15	P	8	**880.4866**	**440.7469**	294.1670
1659.7067	830.3570	**553.9071**	16	E	7	783.4338	392.2205	261.8161
1760.7543	**880.8808**	587.5896	17	T	6	**654.3912**	327.6992	218.8019
1873.8384	**937.4228**	625.2843	18	I	5	**553.3435**	277.1754	185.1194
1970.8912	985.9492	657.6352	19	P	4	**440.2595**	220.6334	147.4247
2071.9388	1036.4731	691.3178	20	T	3	**343.2067**	172.1070	115.0738
2158.9709	**1079.9891**	720.3285	21	S	2	**242.1590**	121.5832	81.3912
			22	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.VPVS$_{167}$AAAT$_{181}$PSLNK.T/2

0.9803

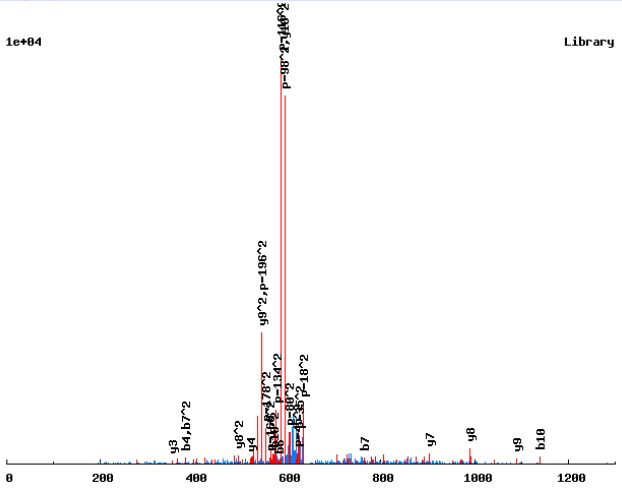


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	13		
197.1285	99.0679	2	P	12	1315.5695	**658.2884**
296.1969	148.6021	3	V	11	1218.5167	**609.7620**
463.1952	232.1013	4	S[167]	10	1119.4483	560.2278
534.2323	267.6198	5	A	9	**952.4499**	476.7286
605.2694	303.1384	6	A	8	**881.4128**	441.2100
676.3066	338.6569	7	A	7	**810.3757**	405.6915
857.3206	429.1639	8	T[181]	6	**739.3386**	370.1729
954.3733	477.6903	9	P	5	**558.3246**	279.6659
1041.4054	521.2063	10	S	4	461.2718	231.1395
1154.4894	**577.7483**	11	L	3	374.2398	187.6235
1268.5323	634.7698	12	N	2	261.1557	131.0815
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.VPVSSIT$_{181}$S$_{167}$HAK.E/2

0.9017

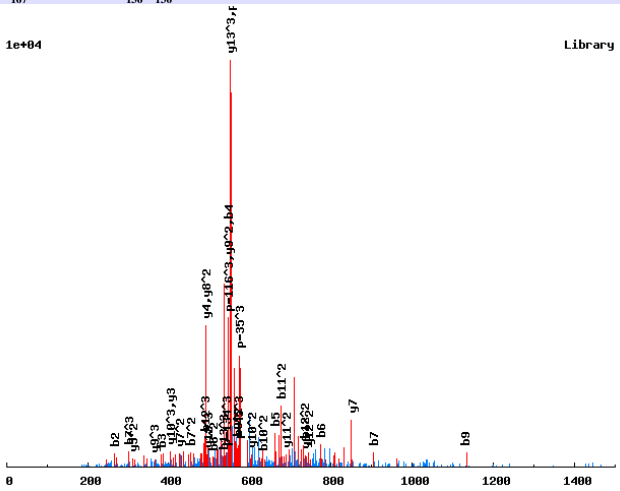


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
197.1285	99.0679	2	P	10	1186.4905	**593.7489**
296.1969	148.6021	3	V	9	**1089.4377**	**545.2225**
383.2289	192.1181	4	S	8	**990.3693**	**495.6883**
470.2609	235.6341	5	S	7	**903.3373**	452.1723
583.3450	292.1761	6	I	6	816.3053	408.6563
764.3590	**382.6831**	7	T[181]	5	703.2212	352.1142
931.3574	466.1823	8	S[167]	4	**522.2072**	261.6072
1068.4163	534.7118	9	H	3	**355.2088**	178.1080
1139.4534	**570.2303**	10	A	2	218.1499	109.5786
		11	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.VR$_{166}$NS$_{167}$DLEDDESLK$_{136}$K$_{136}$E/3

0.6447

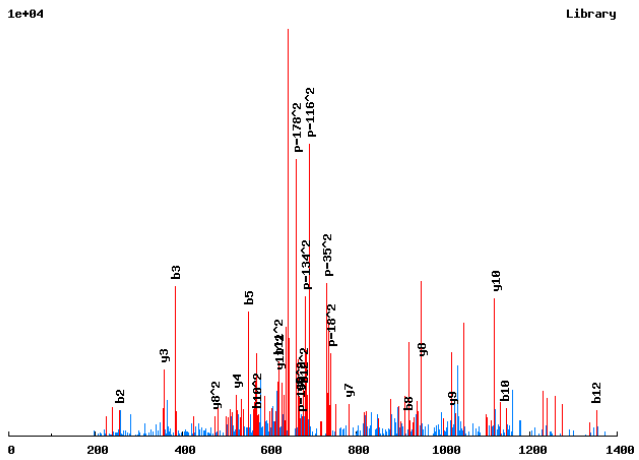


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	14			
266.1851	133.5962	89.3999	2	R[166]	13	1654.7530	827.8801	**552.2558**
380.2280	190.6176	127.4142	3	N	12	1488.6436	**744.8254**	**496.8861**
547.2264	274.1168	183.0803	4	S[167]	11	1374.6007	**687.8040**	458.8717
662.2533	331.6303	221.4226	5	D	10	1207.6023	**604.3048**	**403.2056**
775.3374	388.1723	259.1173	6	L	9	1092.5754	**546.7913**	**364.8633**
904.3800	**452.6936**	**302.1315**	7	E	8	979.4913	**490.2493**	327.1686
1019.4069	**510.2071**	340.4738	8	D	7	**850.4487**	**425.7280**	284.1544
1134.4338	**567.7206**	378.8161	9	D	6	**735.4218**	368.2145	245.8121
1263.4764	**632.2419**	421.8303	10	E	5	620.3948	**310.7011**	207.4698
1350.5085	**675.7579**	450.8410	11	S	4	**491.3522**	246.1798	164.4556
1463.5925	**732.2999**	**488.5357**	12	L	3	**404.3202**	202.6637	135.4449
1599.7017	800.3545	**533.9054**	13	K[136]	2	291.2362	146.1217	97.7502
			14	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.VRQPAS$_{167}$NSGS$_{167}$PIK.S/2

0.9956

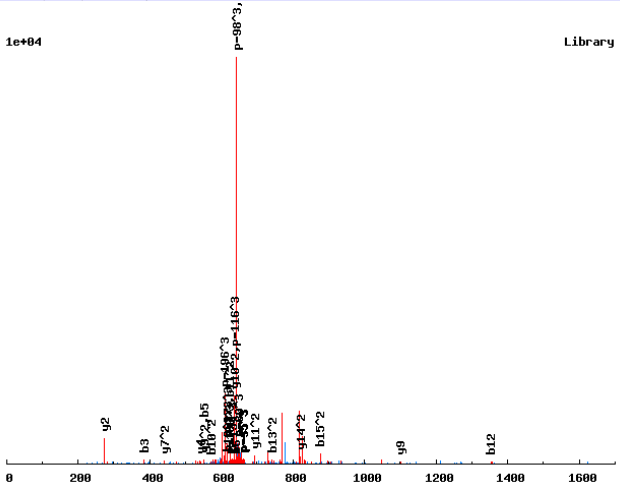


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	13		
256.1768	128.5920	2	R	12	1401.5923	701.2998
384.2354	192.6213	3	Q	11	1245.4912	**623.2492**
481.2881	241.1477	4	P	10	**1117.4326**	559.2200
552.3253	276.6663	5	A	9	**1020.3799**	510.6936
719.3236	360.1654	6	S[167]	8	**949.3428**	**475.1750**
833.3665	417.1869	7	N	7	**782.3444**	391.6758
920.3986	460.7029	8	S	6	**668.3015**	334.6544
977.4200	489.2137	9	G	5	581.2694	291.1384
1144.4184	**572.7128**	10	S[167]	4	**524.2480**	262.6276
1241.4712	**621.2392**	11	P	3	**357.2496**	179.1284
1354.5552	**677.7812**	12	I	2	260.1969	130.6021
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VRQPASNS$_{167}$GS$_{167}$PIKST$_{181}$PR.R/3

0.9594

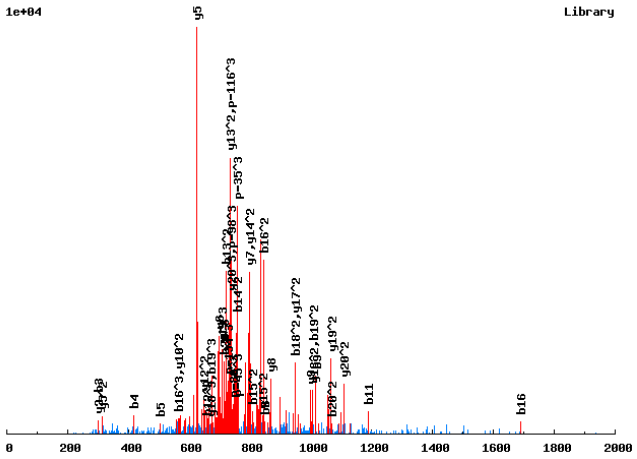


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	17			
256.1768	128.5920	86.0638	2	R	16	1922.7922	961.8998	**641.6023**
384.2354	192.6213	128.7500	3	Q	15	1766.6911	883.8492	589.5686
481.2881	241.1477	161.1009	4	P	14	1638.6325	**819.8199**	546.8824
552.3253	276.6663	184.7799	5	A	13	1541.5798	771.2935	514.5314
639.3573	320.1823	213.7906	6	S	12	1470.5427	735.7750	490.8524
753.4002	377.2037	251.8049	7	N	11	1383.5106	**692.2590**	461.8417
920.3986	460.7029	307.4710	8	S[167]	10	1269.4677	**635.2375**	423.8274
977.4200	489.2137	326.4782	9	G	9	**1102.4694**	**551.7383**	368.1613
1144.4184	**572.7128**	382.1443	10	S[167]	8	1045.4479	523.2276	349.1542
1241.4712	**621.2392**	414.4952	11	P	7	878.4495	**439.7284**	293.4880
1354.5552	677.7812	452.1899	12	I	6	781.3968	391.2020	261.1371
1482.6502	**741.8287**	494.8882	13	K	5	668.3127	334.6600	223.4424
1569.6822	785.3447	523.8989	14	S	4	**540.2178**	270.6125	180.7441
1750.6962	**875.8517**	584.2369	15	T[181]	3	453.1857	227.0965	151.7334
1847.7490	924.3781	**616.5878**	16	P	2	**272.1717**	136.5895	91.3954
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.VSDDSESES$_{167}$GDKEATAPLIQR.K/3

1

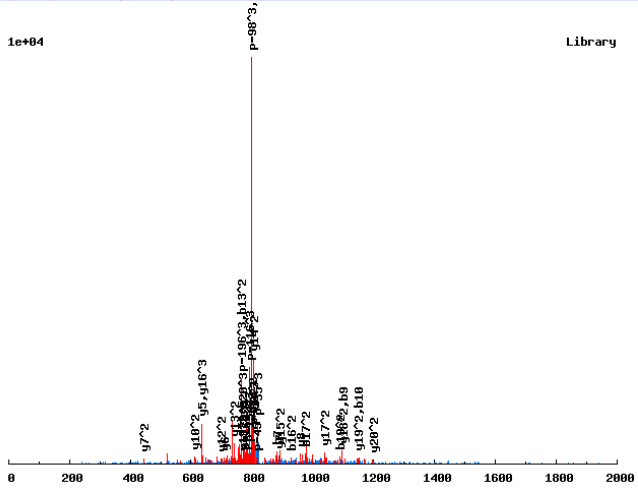


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	21			
187.1077	94.0575	63.0408	2	S	20	2214.9398	**1107.9735**	**738.9848**
302.1347	151.5710	101.3831	3	D	19	2127.9077	**1064.4575**	**709.9741**
417.1616	209.0844	139.7254	4	D	18	2012.8808	**1006.9440**	**671.6318**
504.1936	252.6005	168.7361	5	S	17	1897.8539	**949.4306**	633.2895
633.2362	317.1218	211.7503	6	E	16	1810.8218	905.9146	604.2788
720.2682	360.6378	240.7609	7	S	15	1681.7792	**841.3933**	561.2646
849.3108	425.1591	283.7751	8	E	14	1594.7472	**797.8772**	532.2539
1016.3092	508.6582	339.4413	9	S[167]	13	1465.7046	**733.3560**	489.2397
1073.3307	537.1690	358.4484	10	G	12	1298.7063	**649.8568**	433.5736
1188.3576	594.6824	396.7907	11	D	11	1241.6848	621.3460	414.5665
1316.4526	**658.7299**	439.4890	12	K	10	1126.6579	**563.8326**	376.2241
1445.4952	**723.2512**	482.5032	13	E	9	**998.5629**	499.7851	333.5258
1516.5323	**758.7698**	506.1823	14	A	8	**869.5203**	435.2638	290.5116
1617.5799	**809.2936**	539.8648	15	T	7	**798.4832**	399.7452	266.8326
1688.6171	**844.8122**	**563.5439**	16	A	6	**697.4355**	349.2214	233.1500
1785.6698	893.3385	595.8948	17	P	5	**626.3984**	**313.7028**	209.4710
1898.7539	**949.8806**	633.5895	18	L	4	529.3457	265.1765	177.1201
2011.8379	**1006.4226**	**671.2842**	19	I	3	416.2616	208.6344	139.4254
2139.8965	**1070.4519**	**713.9704**	20	Q	2	**303.1775**	152.0924	101.7307
			21	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.VSDDS$_{167}$ES$_{167}$ESGDK$_{136}$EAT$_{181}$APLIQR$_{166}$.K/3

0.9994

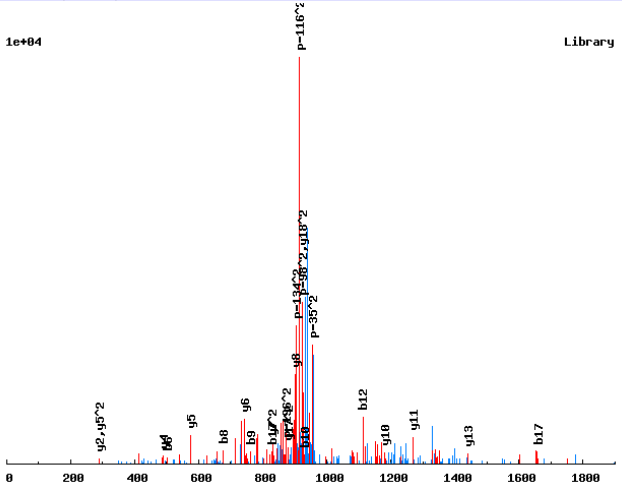


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	21			
187.1077	94.0575	63.0408	2	S	20	2392.8949	**1196.9511**	**798.3032**
302.1347	151.5710	101.3831	3	D	19	2305.8629	**1153.4351**	**769.2925**
417.1616	209.0844	139.7254	4	D	18	2190.8359	**1095.9216**	730.9502
584.1600	292.5836	195.3915	5	S[167]	17	2075.8090	**1038.4081**	692.6079
713.2026	357.1049	238.4057	6	E	16	1908.8106	954.9090	**636.9417**
880.2009	440.6041	294.0718	7	S[167]	15	1779.7680	**890.3877**	593.9275
1009.2435	505.1254	337.0860	8	E	14	1612.7697	**806.8885**	538.2614
1096.2755	548.6414	366.0967	9	S	13	1483.7271	**742.3672**	495.2472
1153.2970	577.1521	385.1039	10	G	12	1396.6951	**698.8512**	466.2365
1268.3239	634.6656	423.4462	11	D	11	1339.6736	670.3404	447.2294
1404.4331	702.7202	468.8159	12	K[136]	10	1224.6467	**612.8270**	408.8871
1533.4757	**767.2415**	511.8301	13	E	9	1088.5375	544.7724	363.5174
1604.5128	**802.7600**	535.5091	14	A	8	**959.4949**	480.2511	320.5032
1785.5268	893.2670	595.8471	15	T[181]	7	**888.4578**	**444.7325**	296.8241
1856.5639	**928.7856**	619.5262	16	A	6	**707.4438**	354.2255	236.4861
1953.6167	**977.3120**	651.8771	17	P	5	**636.4067**	318.7070	212.8071
2066.7007	1033.8540	689.5718	18	L	4	539.3539	270.1806	180.4562
2179.7848	**1090.3960**	727.2665	19	I	3	426.2699	213.6386	142.7615
2307.8434	1154.4253	**769.9526**	20	Q	2	313.1858	157.0965	105.0668
			21	R[166]	1	185.1272	93.0672	62.3806

Annotated spectra from Saleem et. al. 2009

R.VSGSTAGDSS$_{167}$IASS$_{167}$SSNLR.Y/2

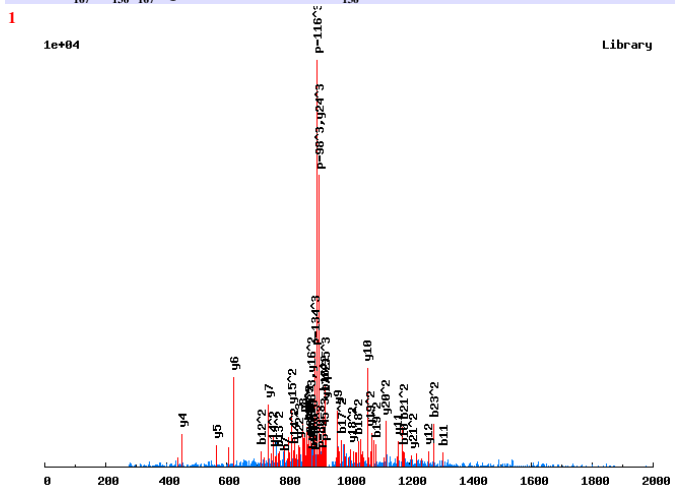
0.9618



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	19		
187.1077	94.0575	2	S	18	1843.7107	**922.3590**
244.1292	122.5682	3	G	17	1756.6786	**878.8430**
331.1612	166.0842	4	S	16	1699.6572	850.3322
432.2089	216.6081	5	T	15	1612.6251	806.8162
503.2460	252.1266	6	A	14	1511.5775	756.2924
560.2675	280.6374	7	G	13	**1440.5404**	720.7738
675.2944	338.1508	8	D	12	1383.5189	692.2631
762.3264	381.6669	9	S	11	**1268.4920**	634.7496
929.3248	465.1660	10	S[167]	10	**1181.4599**	591.2336
1042.4089	521.7081	11	I	9	1014.4616	507.7344
1113.4460	557.2266	12	A	8	**901.3775**	451.1924
1200.4780	600.7426	13	S	7	**830.3404**	415.6738
1367.4764	684.2418	14	S[167]	6	**743.3084**	372.1578
1454.5084	727.7578	15	S	5	**576.3100**	**288.6586**
1541.5404	771.2738	16	S	4	**489.2780**	245.1426
1655.5833	**828.2953**	17	N	3	402.2459	201.6266
1768.6674	884.8373	18	L	2	**288.2030**	144.6051
		19	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

K.VSLSS$_{167}$PK$_{136}$S$_{167}$PQENDTVVDILGDAHSK$_{136}$.S/3

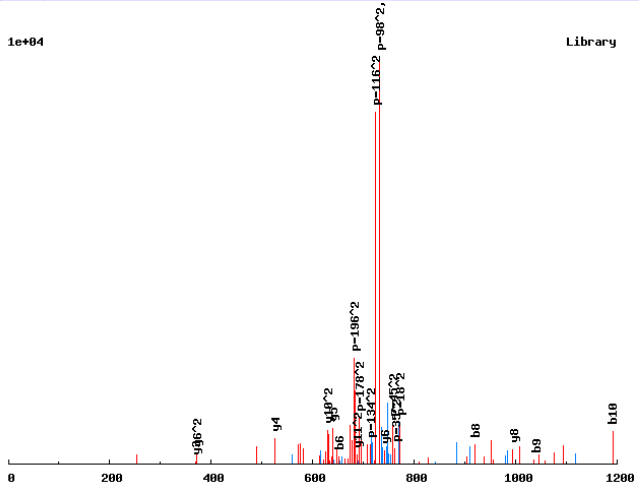


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	25			
187.1077	94.0575	63.0408	2	S	24	2700.2136	1350.6104	**900.7427**
300.1918	150.5995	100.7354	3	L	23	2613.1815	1307.0944	**871.7320**
387.2238	194.1155	129.7461	4	S	22	2500.0975	1250.5524	**834.0373**
554.2222	277.6147	185.4122	5	S[167]	21	2413.0654	**1207.0364**	805.0267
651.2749	326.1411	217.7632	6	P	20	2246.0671	**1123.5372**	749.3605
787.3841	394.1957	263.1329	7	K[136]	19	2149.0143	**1075.0108**	717.0096
954.3825	477.6949	318.7990	8	S[167]	18	2012.9052	**1006.9562**	671.6399
1051.4352	526.2212	351.1499	9	P	17	1845.9068	**923.4570**	615.9738
1179.4938	590.2505	393.8361	10	Q	16	1748.8540	**874.9307**	583.6229
1308.5364	654.7718	436.8503	11	E	15	1620.7955	**810.9014**	540.9367
1422.5793	**711.7933**	474.8646	12	N	14	1491.7529	**746.3801**	497.9225
1537.6063	**769.3068**	513.2069	13	D	13	1377.7099	689.3586	459.9082
1638.6539	**819.8306**	546.8895	14	T	12	**1262.6830**	631.8451	421.5659
1737.7223	**869.3648**	579.9123	15	V	11	**1161.6353**	581.3213	387.8833
1836.7908	**918.8990**	612.9351	16	V	10	**1062.5669**	531.7871	354.8605
1951.8177	**976.4125**	651.2774	17	D	9	**963.4985**	482.2529	321.8377
2064.9018	**1032.9545**	688.9721	18	I	8	**848.4716**	424.7394	283.4954
2177.9858	**1089.4965**	726.6668	19	L	7	**735.3875**	368.1974	245.8007
2235.0073	1118.0073	745.6739	20	G	6	**622.3034**	311.6554	208.1060
2350.0342	**1175.5207**	784.0163	21	D	5	**565.2820**	283.1446	189.0988
2421.0713	1211.0393	807.6953	22	A	4	**450.2550**	225.6312	150.7565
2558.1302	**1279.5688**	853.3816	23	H	3	379.2179	190.1126	127.0775
2645.1623	1323.0848	**882.3923**	24	S	2	242.1590	121.5832	81.3912
			25	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.VSNS$_{167}$PSS$_{167}$TDRPPR.S/2

0.9783

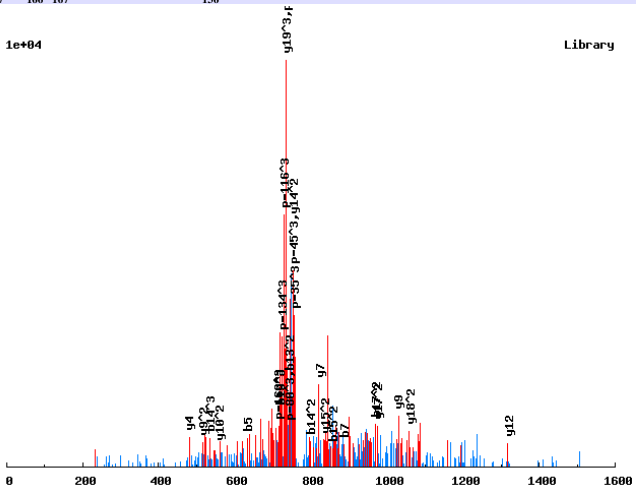


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	13		
187.1077	94.0575	2	S	12	1460.5567	**730.7820**
301.1506	151.0790	3	N	11	1373.5246	**687.2660**
468.1490	234.5781	4	S[167]	10	1259.4817	**630.2445**
565.2018	283.1045	5	P	9	1092.4834	546.7453
652.2338	326.6205	6	S	8	**995.4306**	498.2189
819.2322	410.1197	7	S[167]	7	908.3986	454.7029
920.2798	460.6436	8	T	6	**741.4002**	**371.2037**
1035.3068	518.1570	9	D	5	**640.3525**	320.6799
1191.4079	596.2076	10	R	4	**525.3256**	263.1664
1288.4607	644.7340	11	P	3	**369.2245**	185.1159
1385.5134	693.2603	12	P	2	272.1717	136.5895
		13	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.VSS$_{167}$NR$_{166}$S$_{167}$STPTSPIDLIDPIK$_{136}$.T/3

0.892

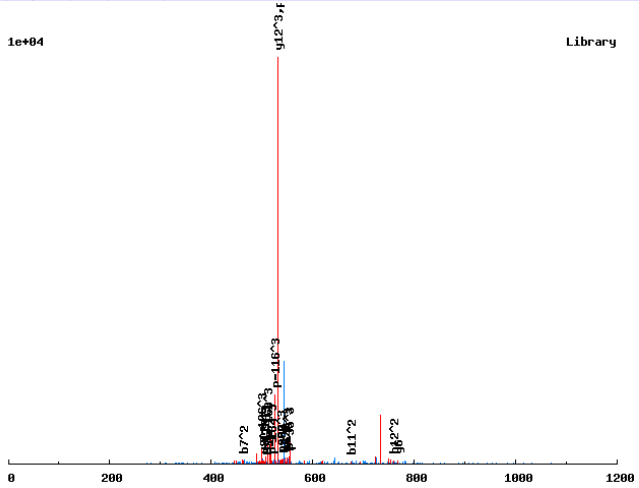


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	20			
187.1077	94.0575	63.0408	2	S	19	2206.0159	1103.5116	**736.0101**
354.1061	177.5567	118.7069	3	S[167]	18	2118.9838	**1059.9956**	706.9995
468.1490	234.5781	156.7212	4	N	17	1951.9855	**976.4964**	651.3333
634.2584	317.6328	212.0910	5	R[166]	16	1837.9426	919.4749	613.3190
801.2568	401.1320	267.7571	6	S[167]	15	1671.8332	**836.4202**	557.9492
888.2888	444.6480	296.7678	7	S	14	1504.8348	**752.9210**	502.2831
989.3365	495.1719	330.4503	8	T	13	1417.8028	709.4050	473.2724
1086.3892	543.6983	362.8013	9	P	12	**1316.7551**	658.8812	439.5899
1187.4369	594.2221	396.4838	10	T	11	1219.7023	610.3548	407.2390
1274.4689	637.7381	425.4945	11	S	10	1118.6547	**559.8310**	373.5564
1371.5217	686.2645	457.8454	12	P	9	**1031.6226**	**516.3150**	344.5457
1484.6058	**742.8065**	495.5401	13	I	8	934.5699	467.7886	312.1948
1599.6327	**800.3200**	**533.8824**	14	D	7	**821.4858**	411.2465	274.5001
1712.7168	**856.8620**	571.5771	15	L	6	706.4589	353.7331	236.1578
1825.8008	913.4040	609.2718	16	I	5	593.3748	297.1910	198.4631
1940.8278	**970.9175**	647.6141	17	D	4	**480.2908**	240.6490	160.7684
2037.8805	1019.4439	679.9650	18	P	3	365.2638	183.1355	122.4261
2150.9646	1075.9859	**717.6597**	19	I	2	268.2111	134.6092	90.0752
			20	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

R.VS$_{167}$S$_{167}$T$_{181}$AS$_{167}$AS$_{167}$SATS$_{167}$R.L/3

0.9406

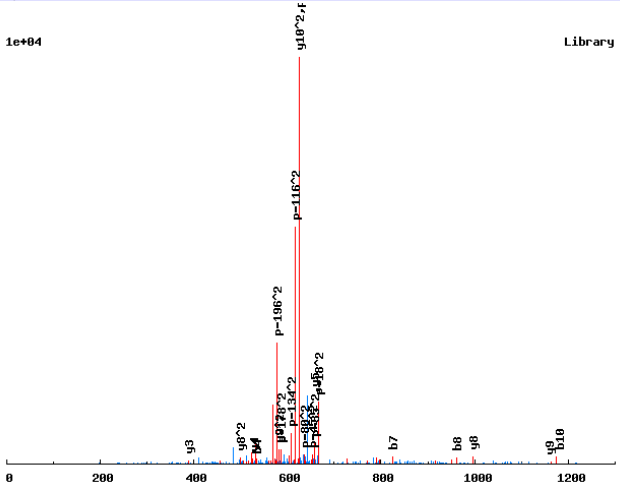


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	13			
267.0741	134.0407	89.6962	2	S[167]	12	1592.3158	796.6615	**531.4435**
434.0724	217.5398	145.3623	3	S[167]	11	1425.3174	713.1624	475.7773
615.0864	308.0469	205.7003	4	T[181]	10	1258.3191	629.6632	420.1112
686.1235	343.5654	229.3794	5	A	9	1077.3051	**539.1562**	359.7732
853.1219	427.0646	285.0455	6	S[167]	8	1006.2680	**503.6376**	336.0942
924.1590	**462.5831**	308.7245	7	A	7	839.2696	420.1384	280.4281
1091.1574	**546.0823**	364.3906	8	S[167]	6	**768.2325**	384.6199	256.7490
1178.1894	589.5983	393.4013	9	S	5	601.2341	301.1207	201.0829
1249.2265	625.1169	417.0804	10	A	4	**514.2021**	257.6047	172.0722
1350.2742	**675.6407**	450.7629	11	T	3	443.1650	222.0861	148.3932
1517.2725	**759.1399**	**506.4290**	12	S[167]	2	342.1173	171.5623	114.7106
			13	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.VSS$_{167}$T$_{181}$ASMHTLR.S/2

0.7287

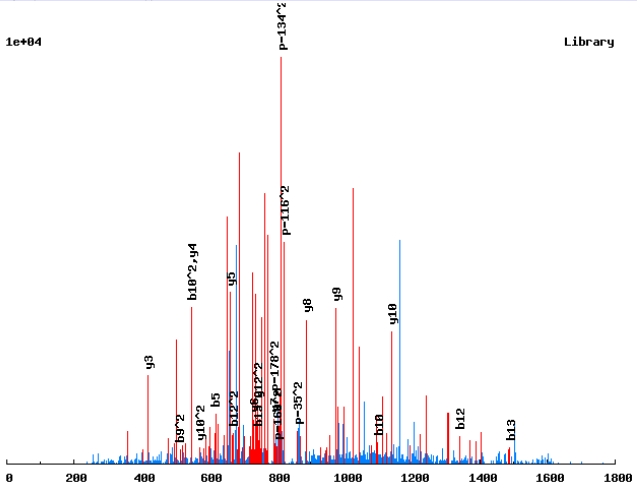


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	11		
187.1077	94.0575	2	S	10	1250.4636	**625.7355**
354.1061	177.5567	3	S[167]	9	**1163.4316**	**582.2194**
535.1201	268.0637	4	T[181]	8	**996.4332**	**498.7203**
606.1572	303.5822	5	A	7	815.4192	408.2133
693.1892	347.0983	6	S	6	744.3821	372.6947
824.2297	412.6185	7	M	5	**657.3501**	329.1787
961.2886	481.1480	8	H	4	**526.3096**	263.6584
1062.3363	531.6718	9	T	3	**389.2507**	195.1290
1175.4204	588.2138	10	L	2	288.2030	144.6051
		11	R	1	175.1190	88.0631

Annotated spectra from Saleem et. al. 2009

R.VSSTY$_{243}$S$_{167}$SPGALEFSR$_{166}$.I/2

0.9681

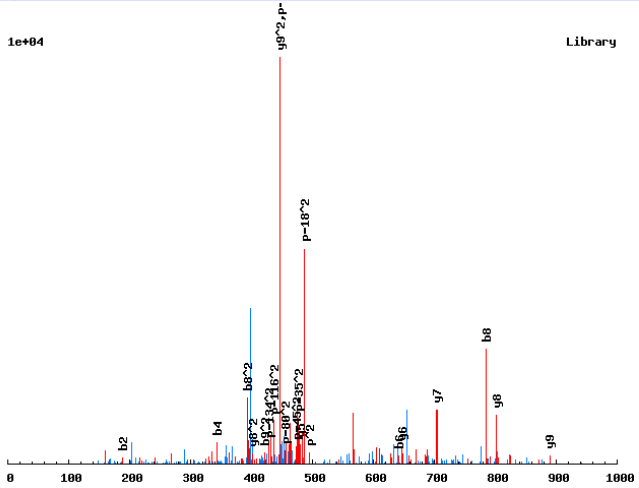


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	15		
187.1077	94.0575	2	S	14	1658.6374	829.8224
274.1397	137.5735	3	S	13	1571.6054	786.3063
375.1874	188.0974	4	T	12	1484.5734	**742.7903**
618.2171	309.6122	5	Y[243]	11	1383.5257	692.2665
785.2155	393.1114	6	S[167]	10	**1140.4960**	**570.7517**
872.2475	436.6274	7	S	9	**973.4977**	487.2525
969.3002	485.1538	8	P	8	**886.4656**	443.7365
1026.3217	**513.6645**	9	G	7	**789.4129**	395.2101
1097.3588	**549.1830**	10	A	6	**732.3914**	366.6993
1210.4429	605.7251	11	L	5	**661.3543**	331.1808
1339.4855	**670.2464**	12	E	4	**548.2702**	274.6388
1486.5539	**743.7806**	13	F	3	**419.2277**	210.1175
1573.5859	787.2966	14	S	2	272.1592	136.5833
		15	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.VSVGS$_{167}$MGSGK.S/2

0.9909

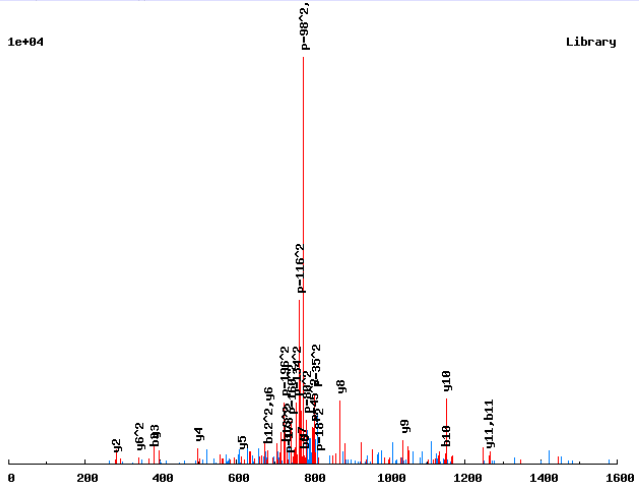


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	10		
187.1077	94.0575	2	S	9	**889.3485**	**445.1779**
286.1761	143.5917	3	V	8	**802.3165**	**401.6619**
343.1976	172.1024	4	G	7	**703.2481**	352.1277
510.1960	255.6016	5	S[167]	6	**646.2266**	323.6169
641.2364	321.1219	6	M	5	**479.2282**	240.1178
698.2579	349.6326	7	G	4	348.1877	174.5975
785.2899	**393.1486**	8	S	3	291.1663	146.0868
842.3114	**421.6593**	9	G	2	204.1343	102.5708
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VTT$_{181}$INS$_{167}$TSANNTPR$_{166}$.R/2

0.8431

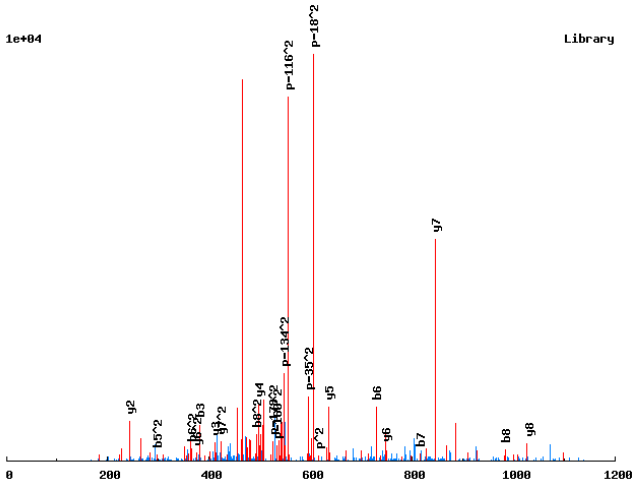


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	14		
201.1234	101.0653	2	T	13	1546.6174	**773.8123**
382.1374	191.5723	3	T[181]	12	1445.5697	723.2885
495.2214	248.1144	4	I	11	**1264.5557**	632.7815
609.2644	305.1358	5	N	10	**1151.4716**	576.2395
776.2627	388.6350	6	S[167]	9	**1037.4287**	519.2180
877.3104	439.1588	7	T	8	**870.4303**	435.7188
964.3424	482.6749	8	S	7	**769.3827**	385.1950
1035.3796	518.1934	9	A	6	**682.3506**	**341.6790**
1149.4225	575.2149	10	N	5	**611.3135**	306.1604
1263.4654	632.2363	11	N	4	**497.2706**	249.1389
1364.5131	**682.7602**	12	T	3	**383.2277**	192.1175
1461.5659	**731.2866**	13	P	2	**282.1800**	141.5936
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

M.VTT$_{181}$PLHSS$_{167}$PK.S/2

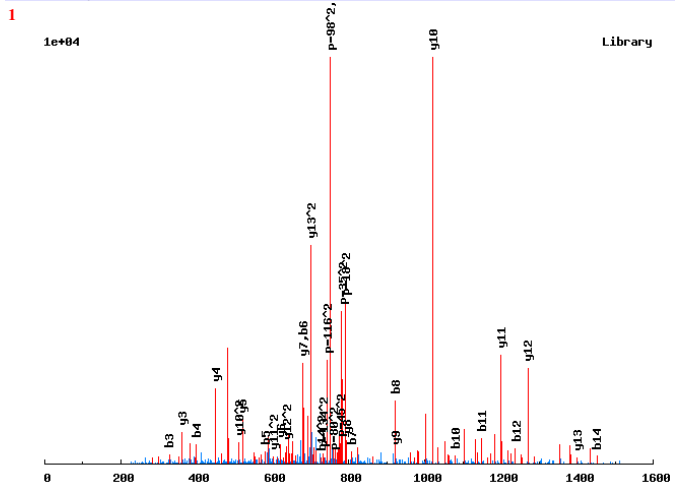
0.705



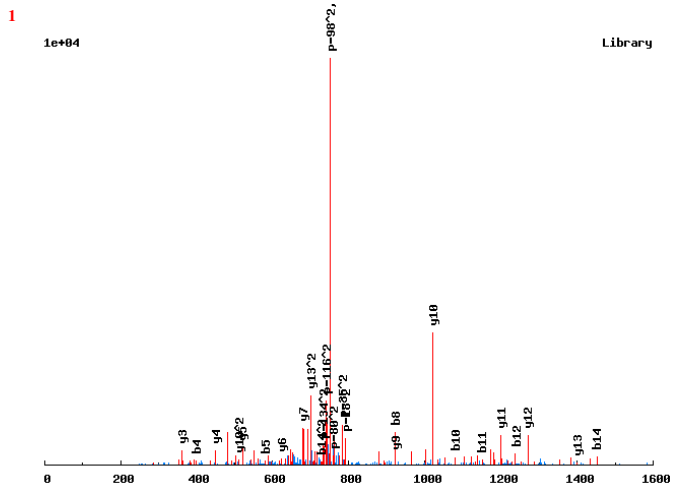
b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	10		
201.1234	101.0653	2	T	9	1127.4534	564.2303
382.1374	191.5723	3	T[181]	8	**1026.4057**	513.7065
479.1901	240.0987	4	P	7	**845.3917**	**423.1995**
592.2742	**296.6407**	5	L	6	**748.3389**	**374.6731**
729.3331	**365.1702**	6	H	5	**635.2549**	318.1311
816.3651	408.6862	7	S	4	**498.1960**	249.6016
983.3635	**492.1854**	8	S[167]	3	**411.1639**	206.0856
1080.4163	540.7118	9	P	2	**244.1656**	122.5864
		10	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.VVEAT$_{181}$PEDGTASSQK.S/2



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	15		
199.1441	100.0757	2	V	14	1499.6261	**750.3167**
328.1867	164.5970	3	E	13	**1400.5577**	**700.7825**
399.2238	200.1155	4	A	12	**1271.5151**	**636.2612**
580.2378	290.6225	5	T[181]	11	**1200.4780**	**600.7426**
677.2906	339.1489	6	P	10	**1019.4640**	**510.2356**
806.3332	403.6702	7	E	9	**922.4112**	461.7093
921.3601	461.1837	8	D	8	**793.3686**	397.1880
978.3816	489.6944	9	G	7	**678.3417**	339.6745
1079.4292	540.2183	10	T	6	**621.3202**	311.1638
1150.4664	575.7368	11	A	5	**520.2726**	260.6399
1237.4984	619.2528	12	S	4	**449.2354**	225.1214
1324.5304	662.7688	13	S	3	**362.2034**	181.6053
1452.5890	**726.7981**	14	Q	2	275.1714	138.0893
		15	K	1	147.1128	74.0600

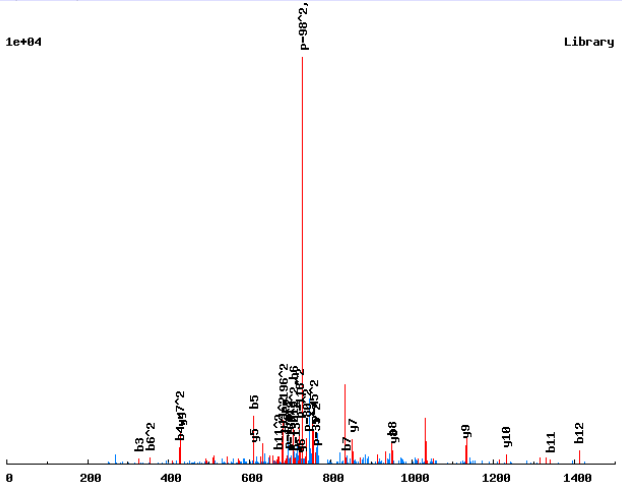


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	15		
199.1441	100.0757	2	V	14	1499.6261	**750.3167**
328.1867	164.5970	3	E	13	**1400.5577**	**700.7825**
399.2238	200.1155	4	A	12	**1271.5151**	636.2612
580.2378	290.6225	5	T[181]	11	**1200.4780**	600.7426
677.2906	339.1489	6	P	10	**1019.4640**	**510.2356**
806.3332	403.6702	7	E	9	**922.4112**	461.7093
921.3601	461.1837	8	D	8	793.3686	397.1880
978.3816	489.6944	9	G	7	**678.3417**	339.6745
1079.4292	540.2183	10	T	6	**621.3202**	311.1638
1150.4664	575.7368	11	A	5	**520.2726**	260.6399
1237.4984	619.2528	12	S	4	**449.2354**	225.1214
1324.5304	662.7688	13	S	3	**362.2034**	181.6053
1452.5890	**726.7981**	14	Q	2	275.1714	138.0893
		15	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.VVKVT$_{181}$VENT$_{181}$PIAK.V/2

0.9418

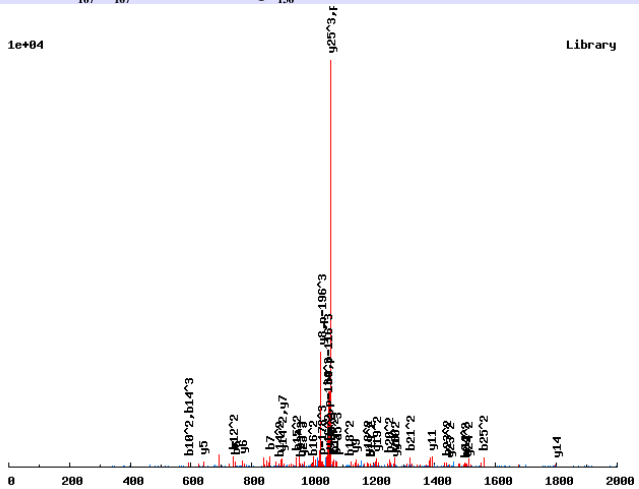


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
100.0757	50.5415	1	V	13		
199.1441	100.0757	2	V	12	1458.7005	**729.8539**
327.2391	164.1232	3	K	11	1359.6321	**680.3197**
426.3075	213.6574	4	V	10	**1231.5371**	616.2722
607.3215	304.1644	5	T[181]	9	**1132.4687**	566.7380
706.3899	**353.6986**	6	V	8	**951.4547**	476.2310
835.4325	418.2199	7	E	7	**852.3863**	**426.6968**
949.4754	475.2413	8	N	6	**723.3437**	362.1755
1130.4894	565.7484	9	T[181]	5	**609.3007**	305.1540
1227.5422	614.2747	10	P	4	**428.2867**	214.6470
1340.6262	**670.8168**	11	I	3	331.2340	166.1206
1411.6634	**706.3353**	12	A	2	218.1499	109.5786
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.VYDHNDDGHES$_{167}$ES$_{167}$EDDENEEENENQK$_{136}$.K/3

0.9998

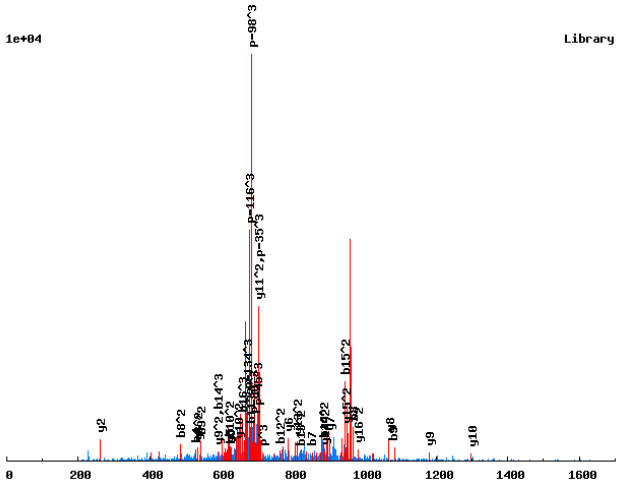


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
100.0757	50.5415	34.0301	1	V	26			
263.1390	132.0731	88.3845	2	Y	25	3175.0321	1588.0197	**1059.0155**
378.1660	189.5866	126.7268	3	D	24	3011.9687	**1506.4880**	1004.6611
515.2249	258.1161	172.4131	4	H	23	2896.9418	**1448.9745**	**966.3188**
629.2678	315.1375	210.4275	5	N	22	2759.8829	1380.4451	920.6325
744.2947	372.6510	248.7698	6	D	21	2645.8399	1323.4236	882.6182
859.3217	430.1645	287.1121	7	D	20	2530.8130	**1265.9101**	844.2759
916.3431	458.6752	306.1192	8	G	19	2415.7861	**1208.3967**	805.9335
1053.4020	527.2047	351.8055	9	H	18	2358.7646	**1179.8859**	786.9264
1182.4446	**591.7260**	394.8197	10	E	17	2221.7057	1111.3565	741.2401
1349.4430	675.2251	450.4859	11	S[167]	16	2092.6631	**1046.8352**	698.2259
1478.4856	**739.7464**	493.5001	12	E	15	1925.6647	963.3360	642.5598
1645.4840	823.2456	549.1662	13	S[167]	14	**1796.6221**	**898.8147**	599.5456
1774.5265	**887.7669**	**592.1804**	14	E	13	1629.6238	815.3155	543.8794
1889.5535	**945.2804**	630.5227	15	D	12	**1500.5812**	750.7942	500.8653
2004.5804	**1002.7939**	668.8650	16	D	11	**1385.5543**	693.2808	462.5229
2133.6230	**1067.3151**	711.8792	17	E	10	**1270.5273**	635.7673	424.1806
2247.6659	**1124.3366**	749.8935	18	N	9	**1141.4847**	571.2460	381.1664
2376.7085	**1188.8579**	792.9077	19	E	8	**1027.4418**	514.2245	343.1521
2505.7511	**1253.3792**	835.9219	20	E	7	**898.3992**	449.7032	300.1379
2634.7937	**1317.9005**	878.9361	21	E	6	**769.3566**	385.1819	257.1237
2748.8366	1374.9220	916.9504	22	N	5	**640.3140**	320.6607	214.1095
2877.8792	**1439.4433**	**959.9646**	23	E	4	526.2711	263.6392	176.0952
2991.9222	**1496.4647**	997.9789	24	N	3	397.2285	199.1179	133.0810
3119.9807	**1560.4940**	1040.6651	25	Q	2	283.1856	142.0964	95.0667
			26	K[136]	1	155.1270	78.0671	52.3805

Annotated spectra from Saleem et. al. 2009

K.WADRPNLDDYDS$_{167}$DEDSR.T/3

0.8402

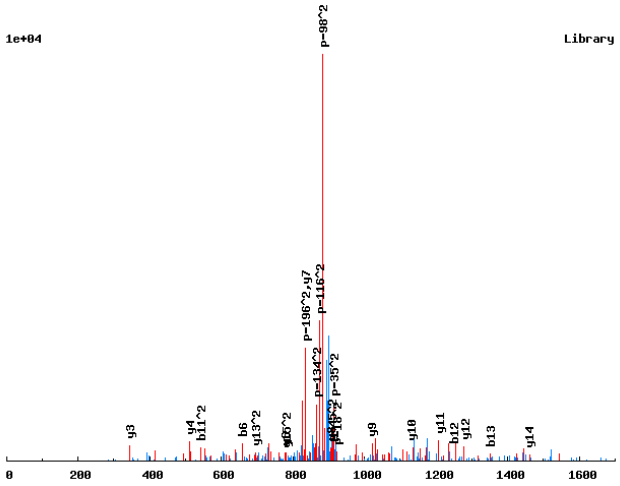


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
187.0866	94.0469	63.0337	1	W	17			
258.1237	129.5655	86.7128	2	A	16	1962.7349	**981.8711**	654.9165
373.1506	187.0790	125.0551	3	D	15	1891.6978	**946.3525**	631.2374
529.2518	265.1295	177.0888	4	R	14	1776.6708	**888.8391**	592.8951
626.3045	313.6559	209.4397	5	P	13	1620.5697	**810.7885**	540.8614
740.3474	370.6774	247.4540	6	N	12	1523.5170	762.2621	508.5105
853.4315	427.2194	285.1487	7	L	11	1409.4740	**705.2407**	470.4962
968.4584	**484.7329**	323.4910	8	D	10	**1296.3900**	**648.6986**	432.8015
1083.4854	**542.2463**	361.8333	9	D	9	**1181.3630**	**591.1852**	394.4592
1246.5487	**623.7780**	416.1878	10	Y	8	**1066.3361**	**533.6717**	356.1169
1361.5756	**681.2915**	454.5301	11	D	7	**903.2728**	452.1400	301.7624
1528.5740	**764.7906**	510.1962	12	S[167]	6	**788.2458**	394.6265	263.4201
1643.6010	**822.3041**	548.5385	13	D	5	**621.2475**	311.1274	207.7540
1772.6435	**886.8254**	**591.5527**	14	E	4	506.2205	253.6139	169.4117
1887.6705	**944.3389**	629.8950	15	D	3	377.1779	189.0926	126.3975
1974.7025	987.8549	**658.9057**	16	S	2	**262.1510**	131.5791	88.0552
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.WNTANAANNAGS$_{167}$VS$_{167}$PTK.A/2

0.9815

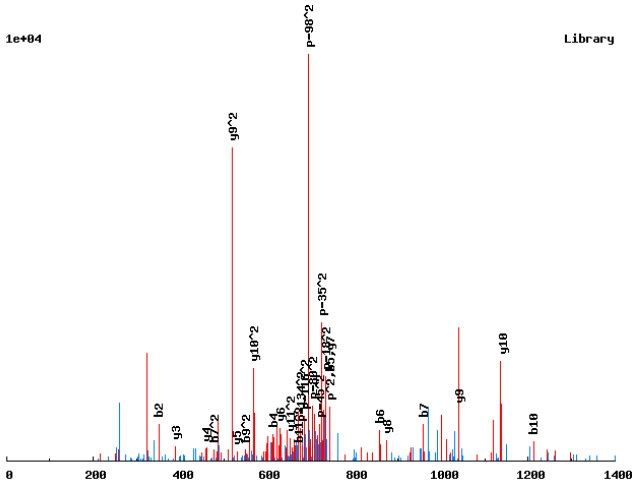


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
187.0866	94.0469	1	W	17		
301.1295	151.0684	2	N	16	1676.6677	838.8375
402.1772	201.5922	3	T	15	1562.6247	**781.8160**
473.2143	237.1108	4	A	14	**1461.5771**	731.2922
587.2572	294.1323	5	N	13	1390.5400	**695.7736**
658.2944	329.6508	6	A	12	**1276.4970**	638.7522
729.3315	365.1694	7	A	11	**1205.4599**	603.2336
843.3744	422.1908	8	N	10	**1134.4228**	567.7150
957.4173	479.2123	9	N	9	**1020.3799**	510.6936
1028.4544	514.7309	10	A	8	**906.3369**	453.6721
1085.4759	**543.2416**	11	G	7	**835.2998**	418.1536
1252.4743	626.7408	12	S[167]	6	**778.2784**	389.6428
1351.5427	676.2750	13	V	5	611.2800	306.1436
1518.5410	759.7742	14	S[167]	4	**512.2116**	256.6094
1615.5938	808.3005	15	P	3	**345.2132**	173.1103
1716.6415	858.8244	16	T	2	248.1605	124.5839
		17	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

K.WYPS$_{167}$EDVAALKK.T/2

0.8637

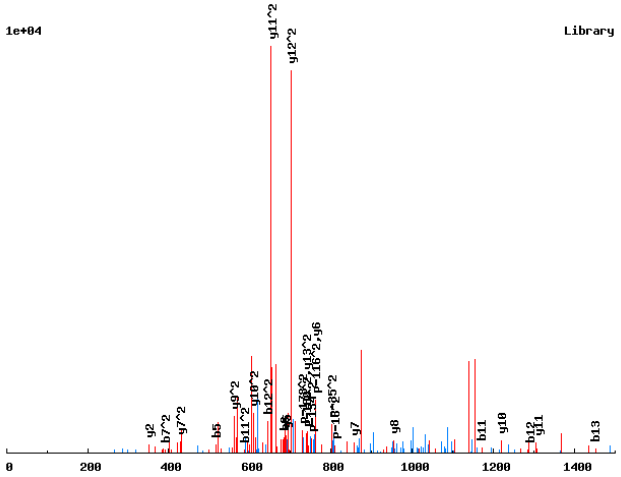


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
187.0866	94.0469	1	W	12		
350.1499	175.5786	2	Y	11	1300.6184	**650.8129**
447.2027	224.1050	3	P	10	**1137.5551**	**569.2812**
614.2010	307.6042	4	S[167]	9	**1040.5023**	**520.7548**
743.2436	372.1255	5	E	8	**873.5040**	437.2556
858.2706	429.6389	6	D	7	**744.4614**	372.7343
957.3390	**479.1731**	7	V	6	**629.4345**	315.2209
1028.3761	514.6917	8	A	5	**530.3660**	265.6867
1099.4132	**550.2102**	9	A	4	**459.3289**	230.1681
1212.4973	606.7523	10	L	3	**388.2918**	194.6495
1340.5922	**670.7998**	11	K	2	275.2078	138.1075
		12	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.YAPSPS$_{167}$PPASHIS$_{167}$R$_{166}$.Q/2

0.838

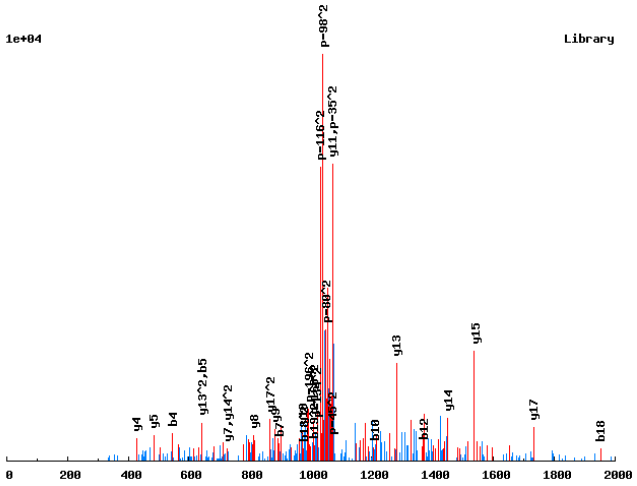


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	14		
235.1077	118.0575	2	A	13	1473.6162	**737.3118**
332.1605	166.5839	3	P	12	1402.5791	**701.7932**
419.1925	210.0999	4	S	11	**1305.5264**	**653.2668**
516.2453	258.6263	5	P	10	**1218.4943**	**609.7508**
683.2436	342.1255	6	S[167]	9	1121.4416	**561.2244**
780.2964	**390.6518**	7	P	8	**954.4432**	477.7252
877.3492	439.1782	8	P	7	**857.3905**	**429.1989**
948.3863	474.6968	9	A	6	**760.3377**	380.6725
1035.4183	518.2128	10	S	5	**689.3006**	345.1539
1172.4772	**586.7422**	11	H	4	602.2686	301.6379
1285.5613	**643.2843**	12	I	3	465.2096	233.1085
1452.5596	726.7835	13	S[167]	2	**352.1256**	176.5664
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

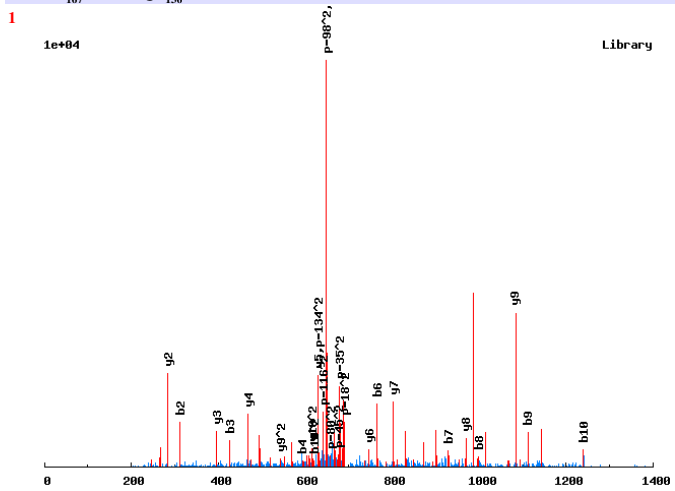
K.Y$_{243}$DSPVSS$_{167}$PITSASELGSIAK$_{136}$L/2

0.9998



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
244.0369	122.5221	1	Y[243]	20		
359.0639	180.0356	2	D	19	1933.9245	967.4659
446.0959	223.5516	3	S	18	1818.8976	909.9524
543.1487	272.0780	4	P	17	**1731.8655**	**866.4364**
642.2171	321.6122	5	V	16	1634.8128	817.9100
729.2491	365.1282	6	S	15	**1535.7444**	768.3758
896.2475	448.6274	7	S[167]	14	**1448.7123**	**724.8598**
993.3002	497.1538	8	P	13	**1281.7140**	**641.3606**
1106.3843	553.6958	9	I	12	1184.6612	592.8342
1207.4320	604.2196	10	T	11	**1071.5772**	536.2922
1294.4640	647.7356	11	S	10	**970.5295**	485.7684
1365.5011	683.2542	12	A	9	**883.4974**	442.2524
1452.5331	726.7702	13	S	8	**812.4603**	406.7338
1581.5757	791.2915	14	E	7	**725.4283**	363.2178
1694.6598	847.8335	15	L	6	596.3857	298.6965
1751.6813	876.3443	16	G	5	**483.3017**	242.1545
1838.7133	919.8603	17	S	4	**426.2802**	213.6437
1951.7973	**976.4023**	18	I	3	339.2482	170.1277
2022.8345	**1011.9209**	19	A	2	226.1641	113.5857
		20	K[136]	1	155.1270	78.0671

K.YFDS$_{167}$GDYALQK$_{136}$.A/2

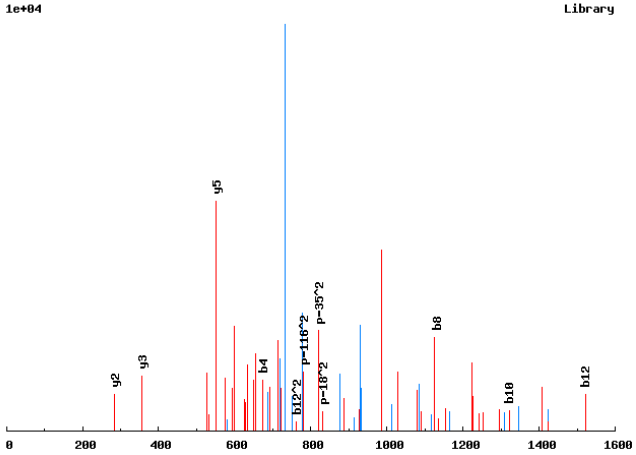


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	11		
311.1390	156.0731	2	F	10	1231.5122	616.2597
426.1660	213.5866	3	D	9	1084.4438	542.7255
593.1643	297.0858	4	S[167]	8	969.4168	485.2121
650.1858	325.5965	5	G	7	802.4185	401.7129
765.2127	383.1100	6	D	6	745.3970	373.2021
928.2761	464.6417	7	Y	5	630.3701	315.6887
999.3132	500.1602	8	A	4	467.3067	234.1570
1112.3972	556.7023	9	L	3	396.2696	198.6385
1240.4558	620.7315	10	Q	2	283.1856	142.0964
		11	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.Y$_{243}$FDS$_{167}$VR$_{166}$STPVAEK$_{136}$.M/2

0.755

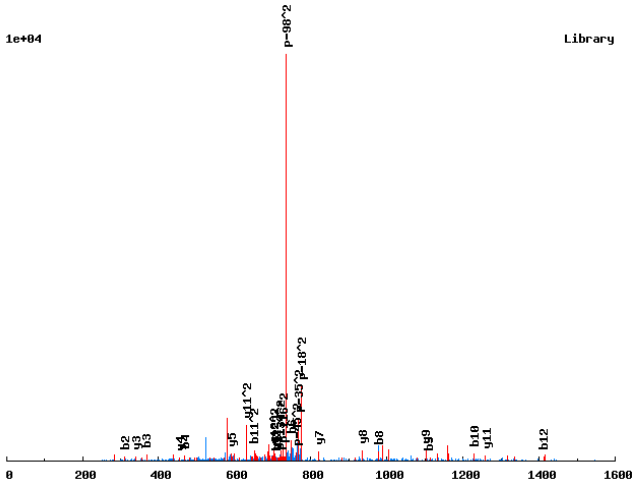


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
244.0369	122.5221	1	Y[243]	13		
391.1054	196.0563	2	F	12	1433.6791	717.3432
506.1323	253.5698	3	D	11	1286.6107	643.8090
673.1307	337.0690	4	S[167]	10	1171.5837	586.2955
772.1991	386.6032	5	V	9	1004.5854	502.7963
938.3084	469.6579	6	R[166]	8	905.5170	453.2621
1025.3405	513.1739	7	S	7	739.4076	370.2074
1126.3882	563.6977	8	T	6	652.3755	326.6914
1223.4409	612.2241	9	P	5	**551.3279**	276.1676
1322.5093	661.7583	10	V	4	454.2751	227.6412
1393.5464	697.2769	11	A	3	**355.2067**	178.1070
1522.5890	**761.7982**	12	E	2	**284.1696**	142.5884
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.YFGVS$_{167}$DDDK$_{136}$DAIK$_{136}$.E/2

0.9886

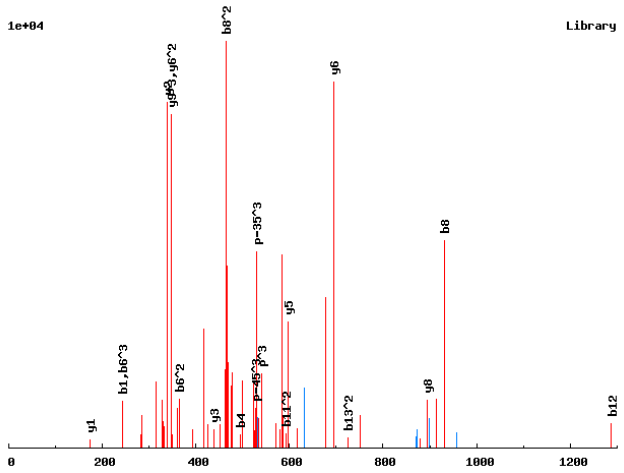


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	13		
311.1390	156.0731	2	F	12	1405.6217	**703.3145**
368.1605	184.5839	3	G	11	**1258.5533**	**629.7803**
467.2289	234.1181	4	V	10	1201.5319	601.2696
634.2273	317.6173	5	S[167]	9	**1102.4634**	551.7354
749.2542	375.1307	6	D	8	**935.4651**	468.2362
864.2811	432.6442	7	D	7	**820.4381**	410.7227
979.3081	490.1577	8	D	6	**705.4112**	353.2092
1115.4172	558.2123	9	K[136]	5	**590.3843**	295.6958
1230.4442	615.7257	10	D	4	**454.2751**	227.6412
1301.4813	**651.2443**	11	A	3	**339.2482**	170.1277
1414.5653	**707.7863**	12	I	2	268.2111	134.6092
		13	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

R.Y$_{243}$GGHSM$_{147}$SDPGTTYR.T/3

0.9904

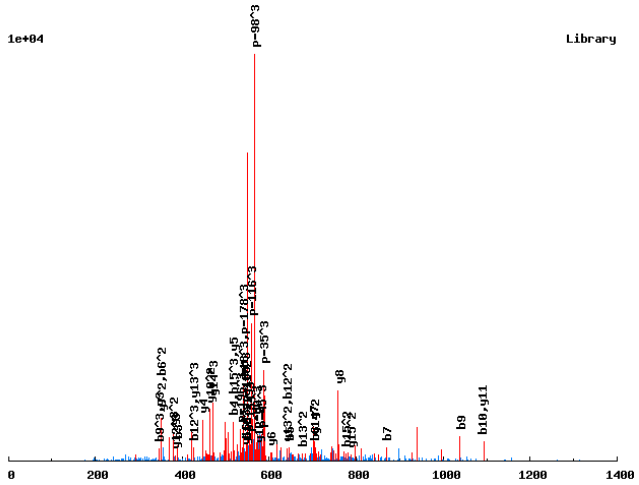


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
244.0369	122.5221	82.0172	**1**	**Y[243]**	**14**			
301.0584	151.0328	101.0243	**2**	**G**	**13**	1381.5801	691.2937	461.1982
358.0799	179.5436	120.0315	**3**	**G**	**12**	1324.5586	662.7830	442.1911
495.1388	248.0730	165.7178	**4**	**H**	**11**	1267.5372	634.2722	423.1839
582.1708	291.5890	194.7285	**5**	**S**	**10**	1130.4783	565.7428	377.4976
729.2062	**365.1067**	**243.7403**	**6**	**M[147]**	**9**	1043.4462	522.2268	**348.4869**
816.2382	408.6228	272.7509	**7**	**S**	**8**	**896.4108**	448.7091	299.4751
931.2652	**466.1362**	311.0932	**8**	**D**	**7**	809.3788	405.1930	270.4645
1028.3179	514.6626	343.4442	**9**	**P**	**6**	**694.3519**	**347.6796**	232.1221
1085.3394	543.1733	362.4513	**10**	**G**	**5**	**597.2991**	299.1532	199.7712
1186.3871	**593.6972**	396.1339	**11**	**T**	**4**	540.2776	270.6425	180.7641
1287.4348	644.2210	429.8164	**12**	**T**	**3**	**439.2300**	220.1186	147.0815
1450.4981	**725.7527**	484.1709	**13**	**Y**	**2**	**338.1823**	169.5948	113.3989
			14	**R**	**1**	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.YGS$_{167}$EKGS$_{167}$PAGPSAVTAR.L/3

0.8923

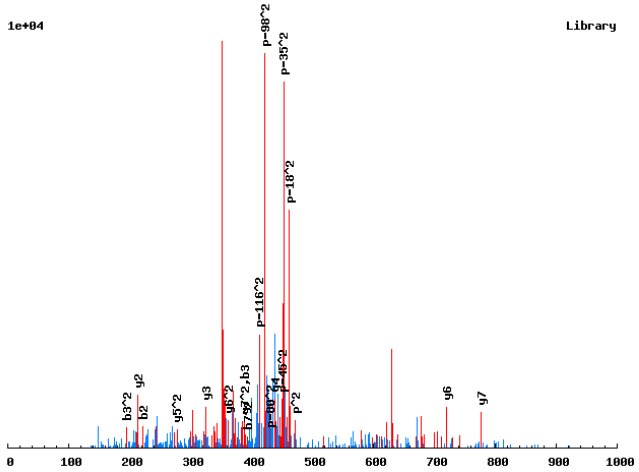


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
164.0706	82.5389	55.3617	1	Y	17			
221.0921	111.0497	74.3689	2	G	16	1631.6826	816.3449	**544.5657**
388.0904	194.5489	130.0350	3	S[167]	15	1574.6611	**787.8342**	525.5586
517.1330	259.0702	173.0492	4	E	14	1407.6628	**704.3350**	**469.8924**
645.2280	323.1176	215.7475	5	K	13	1278.6202	**639.8137**	**426.8782**
702.2494	**351.6284**	234.7547	6	G	12	1150.5252	**575.7662**	**384.1799**
869.2478	435.1275	290.4208	7	S[167]	11	**1093.5037**	**547.2555**	365.1728
966.3006	483.6539	322.7717	8	P	10	926.5054	**463.7563**	309.5066
1037.3377	519.1725	**346.4507**	9	A	9	829.4526	415.2300	277.1557
1094.3591	**547.6832**	365.4579	10	G	8	**758.4155**	**379.7114**	253.4767
1191.4119	596.2096	397.8088	11	P	7	**701.3940**	**351.2007**	234.4695
1278.4439	**639.7256**	**426.8195**	12	S	6	**604.3413**	302.6743	202.1186
1349.4810	**675.2442**	450.4985	13	A	5	**517.3093**	259.1583	173.1079
1448.5494	724.7784	483.5213	14	V	4	**446.2721**	223.6397	149.4289
1549.5971	**775.3022**	**517.2039**	15	T	3	**347.2037**	174.1055	116.4061
1620.6342	810.8208	**540.8829**	16	A	2	246.1561	123.5817	82.7235
			17	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

K.YGS$_{167}$NLLGK$_{136}$.C/2

0.9093

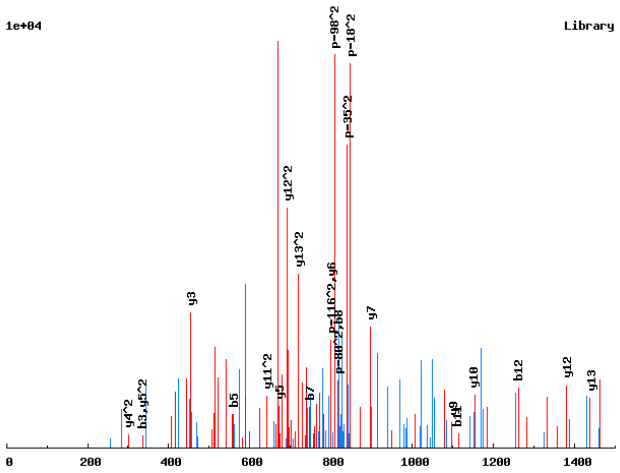


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	8		
221.0921	111.0497	2	G	7	**776.3793**	**388.6933**
388.0904	**194.5489**	3	S[167]	6	**719.3579**	**360.1826**
502.1334	251.5703	4	N	5	552.3595	**276.6834**
615.2174	308.1124	5	L	4	**438.3166**	219.6619
728.3015	364.6544	6	L	3	**325.2325**	163.1199
785.3229	**393.1651**	7	G	2	**212.1485**	106.5779
		8	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.YIGPEGEAPEAFS$_{167}$MK$_{136}$.-/2

0.9967

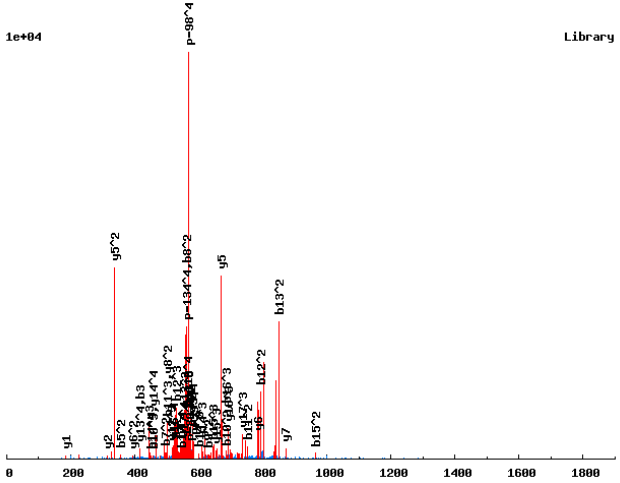


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	15		
277.1547	139.0810	2	I	14	1550.6688	775.8380
334.1761	167.5917	3	G	13	**1437.5847**	**719.2960**
431.2289	216.1181	4	P	12	**1380.5632**	**690.7853**
560.2715	280.6394	5	E	11	1283.5105	**642.2589**
617.2929	309.1501	6	G	10	**1154.4679**	577.7376
746.3355	373.6714	7	E	9	**1097.4464**	549.2268
817.3726	409.1900	8	A	8	968.4038	484.7056
914.4254	457.7163	9	P	7	**897.3667**	449.1870
1043.4680	522.2376	10	E	6	**800.3140**	400.6606
1114.5051	557.7562	11	A	5	**671.2714**	**336.1393**
1261.5735	631.2904	12	F	4	600.2343	**300.6208**
1428.5719	714.7896	13	S[167]	3	**453.1659**	227.0866
1559.6124	780.3098	14	M	2	286.1675	143.5874
		15	K[136]	1	155.1270	78.0671

Annotated spectra from Saleem et. al. 2009

K.YK$_{136}$DES$_{167}$DR$_{166}$EHLESLPEMER$_{166}$.E/4

0.5908

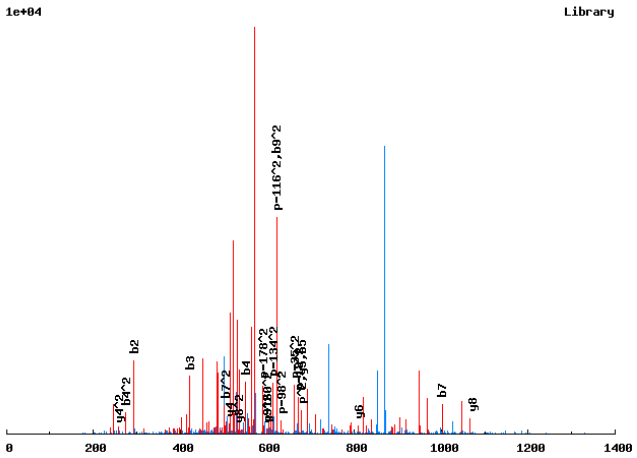


b^{1+}	b^{2+}	b^{3+}	b^{4+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}	y^{4+}
164.0706	82.5389	55.3617	41.7731	1	Y	18				
300.1798	150.5935	100.7314	75.8004	2	K[136]	17	2207.9633	1104.4853	**736.6593**	**552.7463**
415.2067	208.1070	139.0738	104.5571	3	D	16	2071.8541	1036.4307	**691.2896**	**518.7190**
544.2493	272.6283	182.0880	136.8178	4	E	15	1956.8272	978.9172	**652.9472**	489.9622
711.2477	**356.1275**	237.7541	178.5674	5	S[167]	14	1827.7846	914.3959	**609.9330**	**457.7016**
826.2746	413.6409	276.0964	207.3241	6	D	13	1660.7862	830.8967	**554.2669**	**415.9520**
992.3840	**496.6956**	331.4662	248.8515	7	R[166]	12	1545.7593	773.3833	**515.9246**	387.1953
1121.4266	**561.2169**	374.4804	281.1121	8	E	11	1379.6499	690.3286	460.5548	345.6679
1258.4855	**629.7464**	420.1667	315.3768	9	H	10	1250.6073	625.8073	417.5406	313.4073
1371.5695	**686.2884**	**457.8614**	343.6478	10	L	9	1113.5484	557.2778	371.8543	279.1426
1500.6121	**750.8097**	**500.8756**	375.9085	11	E	8	1000.4643	**500.7358**	334.1596	250.8715
1587.6442	**794.3257**	**529.8862**	397.6665	12	S	7	**871.4217**	436.2145	291.1454	218.6109
1700.7282	**850.8677**	**567.5809**	425.9375	13	L	6	**784.3897**	**392.6985**	262.1348	196.8529
1797.7810	899.3941	**599.9318**	**450.2007**	14	P	5	**671.3056**	**336.1565**	224.4401	168.5819
1926.8236	**963.9154**	**642.9460**	482.4614	15	E	4	**574.2529**	287.6301	192.0891	144.3187
2057.8641	1029.4357	**686.6262**	515.2215	16	M	3	**445.2103**	223.1088	149.0750	112.0580
2186.9066	1093.9570	729.6404	**547.4821**	17	E	2	**314.1698**	157.5885	105.3948	79.2979
				18	R[166]	1	**185.1272**	93.0672	62.3806	47.0373

Annotated spectra from Saleem et. al. 2009

K.YKEEES$_{167}$RS$_{167}$AV.-/2

0.6242

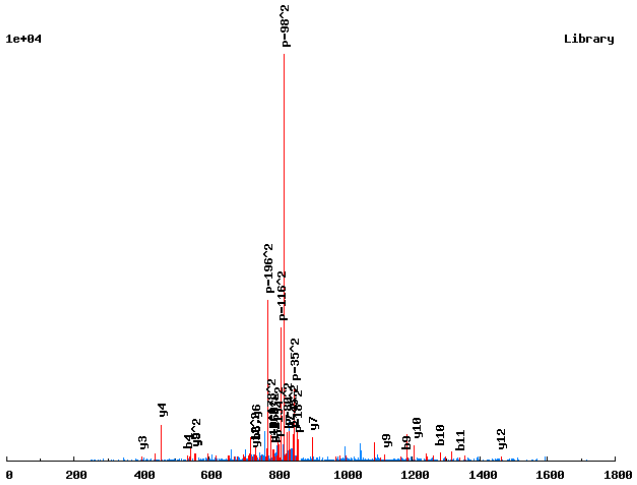


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	10		
292.1656	146.5864	2	K	9	1194.4439	**597.7256**
421.2082	211.1077	3	E	8	**1066.3490**	**533.6781**
550.2508	**275.6290**	4	E	7	937.3064	469.1568
679.2933	340.1503	5	E	6	**808.2638**	404.6355
846.2917	423.6495	6	S[167]	5	**679.2212**	340.1142
1002.3928	**501.7000**	7	R	4	**512.2228**	**256.6151**
1169.3912	585.1992	8	S[167]	3	356.1217	178.5645
1240.4283	**620.7178**	9	A	2	189.1234	95.0653
		10	V	1	118.0862	59.5468

Annotated spectra from Saleem et. al. 2009

R.YLEESDVS$_{167}$T$_{181}$VGNTR$_{166}$.E/2

0.9991

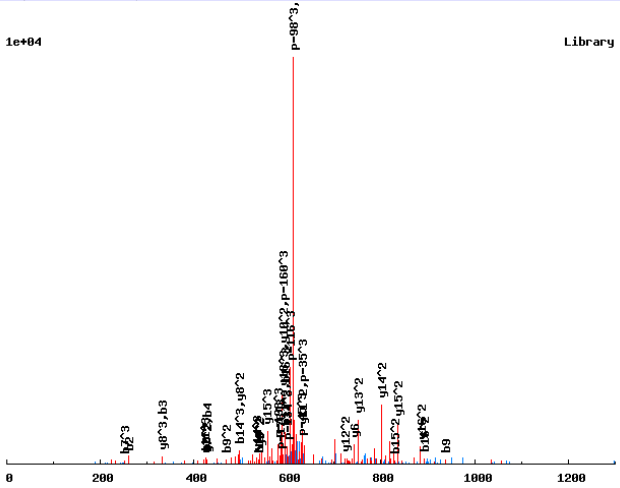


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	14		
277.1547	139.0810	2	L	13	1576.6167	**788.8120**
406.1973	203.6023	3	E	12	**1463.5326**	**732.2700**
535.2399	268.1236	4	E	11	1334.4900	667.7487
622.2719	311.6396	5	S	10	**1205.4475**	603.2274
737.2988	369.1531	6	D	9	**1118.4154**	**559.7114**
836.3672	418.6873	7	V	8	1003.3885	502.1979
1003.3656	502.1864	8	S[167]	7	**904.3201**	452.6637
1184.3796	592.6934	9	T[181]	6	**737.3217**	369.1645
1283.4480	642.2276	10	V	5	**556.3077**	278.6575
1340.4695	670.7384	11	G	4	**457.2393**	229.1233
1454.5124	727.7598	12	N	3	**400.2178**	200.6126
1555.5601	778.2837	13	T	2	286.1749	143.5911
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.YPAPGT$_{181}$SPSHNEGNS$_{167}$KK.A/3

0.9783

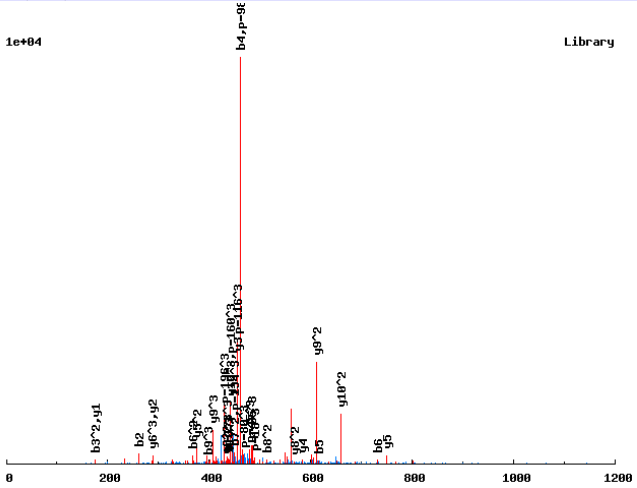


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
164.0706	82.5389	55.3617	1	Y	17			
261.1234	131.0653	87.7126	2	P	16	1767.7099	**884.3586**	**589.9081**
332.1605	166.5839	111.3917	3	A	15	1670.6571	**835.8322**	**557.5572**
429.2132	215.1103	143.7426	4	P	14	1599.6200	**800.3136**	**533.8782**
486.2347	243.6210	162.7498	5	G	13	1502.5672	**751.7873**	501.5273
667.2487	334.1280	223.0878	6	T[181]	12	1445.5458	**723.2765**	482.5201
754.2807	377.6440	**252.0984**	7	S	11	1264.5318	**632.7695**	**422.1821**
851.3335	**426.1704**	284.4494	8	P	10	1177.4997	**589.2535**	393.1714
938.3655	**469.6864**	313.4600	9	S	9	1080.4470	**540.7271**	360.8205
1075.4244	**538.2159**	359.1463	10	H	8	993.4149	**497.2111**	**331.8098**
1189.4674	**595.2373**	397.1606	11	N	7	856.3560	**428.6817**	286.1235
1318.5100	659.7586	440.1748	12	E	6	**742.3131**	371.6602	248.1092
1375.5314	688.2694	459.1820	13	G	5	**613.2705**	307.1389	205.0950
1489.5744	745.2908	**497.1963**	14	N	4	556.2491	278.6282	186.0879
1656.5727	**828.7900**	552.8624	15	S[167]	3	442.2061	221.6067	148.0736
1784.6677	**892.8375**	**595.5607**	16	K	2	275.2078	138.1075	92.4074
			17	K	1	147.1128	74.0600	49.7091

Annotated spectra from Saleem et. al. 2009

K.YPSIRDS$_{167}$KS$_{167}$IR.G/3

0.8862

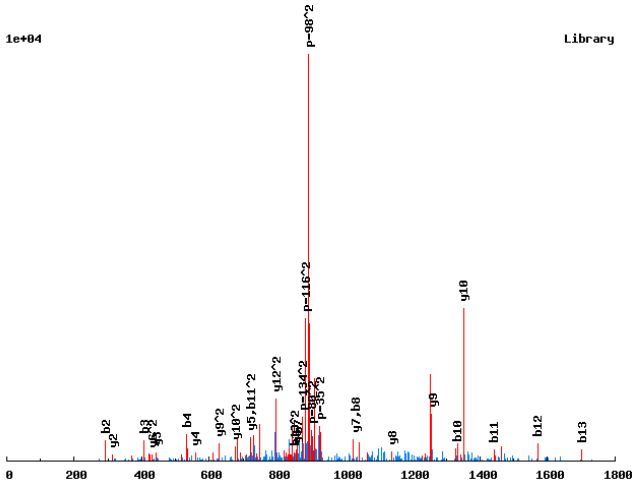


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
164.0706	82.5389	55.3617	1	Y	11			
261.1234	131.0653	87.7126	2	P	10	1318.5916	**659.7994**	**440.2021**
348.1554	**174.5813**	116.7233	3	S	9	1221.5388	**611.2731**	**407.8511**
461.2395	231.1234	154.4180	4	I	8	1134.5068	**567.7570**	378.8405
617.3406	309.1739	206.4517	5	R	7	1021.4227	511.2150	341.1458
732.3675	**366.6874**	244.7940	6	D	6	865.3216	**433.1645**	**289.1121**
899.3659	**450.1866**	300.4601	7	S[167]	5	**750.2947**	**375.6510**	250.7698
1027.4608	**514.2341**	343.1585	8	K	4	**583.2963**	292.1518	195.1036
1194.4592	597.7332	**398.8246**	9	S[167]	3	**455.2014**	228.1043	152.4053
1307.5433	654.2753	**436.5193**	10	I	2	**288.2030**	144.6051	96.7392
			11	R	1	**175.1190**	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

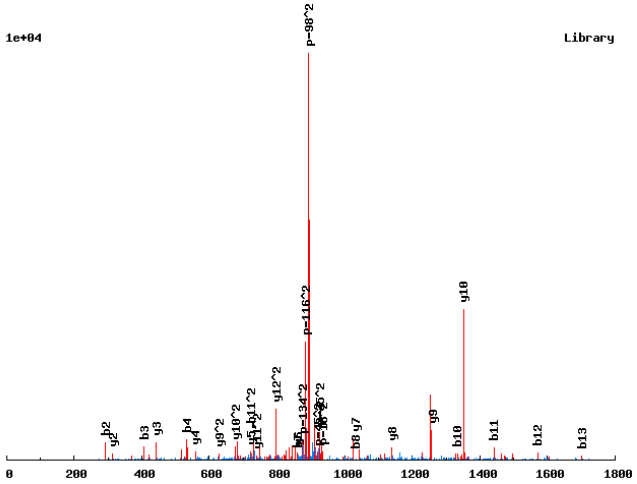
R.YQLQPDDS$_{167}$HYDEER$_{166}$.E/2

1



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	14		
292.1292	146.5682	2	Q	13	1721.6678	861.3375
405.2132	203.1103	3	L	12	1593.6092	**797.3082**
533.2718	267.1396	4	Q	11	1480.5252	740.7662
630.3246	315.6659	5	P	10	**1352.4666**	**676.7369**
745.3515	373.1794	6	D	9	**1255.4138**	**628.2106**
860.3785	430.6929	7	D	8	**1140.3869**	570.6971
1027.3768	514.1921	8	S[167]	7	**1025.3599**	513.1836
1164.4357	582.7215	9	H	6	**858.3616**	**429.6844**
1327.4991	664.2532	10	Y	5	**721.3027**	361.1550
1442.5260	**721.7666**	11	D	4	**558.2393**	279.6233
1571.5686	786.2879	12	E	3	**443.2124**	222.1098
1700.6112	**850.8092**	13	E	2	**314.1698**	157.5885
		14	R[166]	1	185.1272	93.0672

1

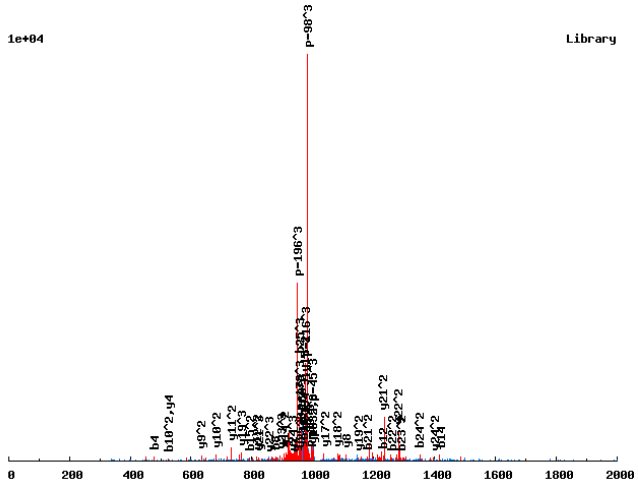


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	14		
292.1292	146.5682	2	Q	13	1721.6678	861.3375
405.2132	203.1103	3	L	12	1593.6092	**797.3082**
533.2718	267.1396	4	Q	11	1480.5252	**740.7662**
630.3246	315.6659	5	P	10	**1352.4666**	**676.7369**
745.3515	373.1794	6	D	9	**1255.4138**	**628.2106**
860.3785	430.6929	7	D	8	**1140.3869**	570.6971
1027.3768	514.1921	8	S[167]	7	**1025.3599**	513.1836
1164.4357	582.7215	9	H	6	**858.3616**	429.6844
1327.4991	664.2532	10	Y	5	**721.3027**	361.1550
1442.5260	**721.7666**	11	D	4	**558.2393**	279.6233
1571.5686	786.2879	12	E	3	**443.2124**	222.1098
1700.6112	850.8092	13	E	2	**314.1698**	157.5885
		14	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

R.YSNIPSSKPAGEALS$_{167}$PVRS$_{167}$HNS$_{167}$GEYR.R/3

0.8377

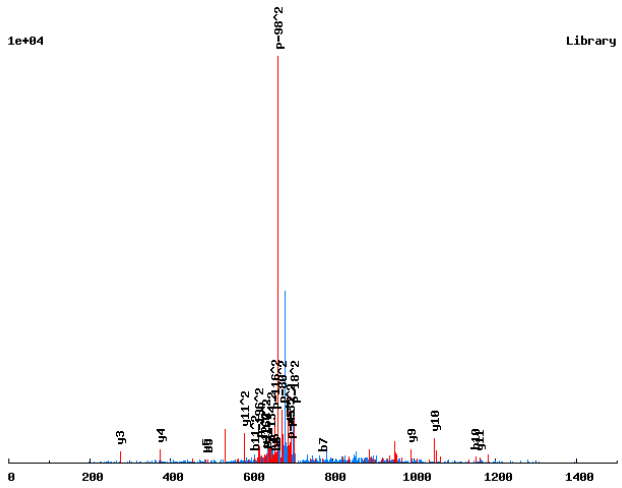


b^{1+}	b^{2+}	b^{3+}	#	AA	#	y^{1+}	y^{2+}	y^{3+}
164.0706	82.5389	55.3617	1	Y	26			
251.1026	126.0550	84.3724	2	S	25	2880.2114	1440.6094	**960.7420**
365.1456	183.0764	122.3867	3	N	24	2793.1794	**1397.0933**	**931.7313**
478.2296	239.6185	160.0814	4	I	23	2679.1365	1340.0719	**893.7170**
575.2824	288.1448	192.4323	5	P	22	2566.0524	**1283.5298**	**856.0223**
662.3144	331.6609	221.4430	6	S	21	2468.9996	**1235.0035**	**823.6714**
749.3465	375.1769	250.4537	7	S	20	2381.9676	1191.4874	794.6607
877.4414	439.2243	293.1520	8	K	19	2294.9356	**1147.9714**	**765.6500**
974.4942	487.7507	325.5029	9	P	18	2166.8406	**1083.9240**	722.9517
1045.5313	**523.2693**	349.1819	10	A	17	2069.7879	**1035.3976**	690.6008
1102.5527	551.7800	368.1891	11	G	16	1998.7508	**999.8790**	666.9218
1231.5953	616.3013	411.2033	12	E	15	1941.7293	**971.3683**	647.9146
1302.6324	651.8199	434.8823	13	A	14	1812.6867	**906.8470**	604.9004
1415.7165	708.3619	472.5770	14	L	13	1741.6496	871.3284	581.2214
1582.7149	**791.8611**	528.2431	15	S[167]	12	1628.5655	**814.7864**	543.5267
1679.7676	840.3875	560.5941	16	P	11	1461.5672	**731.2872**	487.8606
1778.8360	889.9217	593.6169	17	V	10	1364.5144	**682.7608**	455.5097
1934.9371	**967.9722**	645.6506	18	R	9	1265.4460	**633.2266**	422.4869
2101.9355	1051.4714	701.3167	19	S[167]	8	**1109.3449**	555.1761	370.4532
2238.9944	1120.0008	747.0030	20	H	7	**942.3465**	471.6769	314.7870
2353.0373	**1177.0223**	785.0173	21	N	6	805.2876	403.1475	269.1007
2520.0357	**1260.5215**	840.6834	22	S[167]	5	691.2447	346.1260	231.0864
2577.0572	**1289.0322**	859.6906	23	G	4	**524.2463**	262.6268	175.4203
2706.0998	**1353.5535**	902.7048	24	E	3	467.2249	234.1161	156.4131
2869.1631	1435.0852	**957.0592**	25	Y	2	338.1823	169.5948	113.3989
			26	R	1	175.1190	88.0631	59.0445

Annotated spectra from Saleem et. al. 2009

R.YTIGGS$_{167}$NS$_{167}$IVGAK.S/2

0.9901

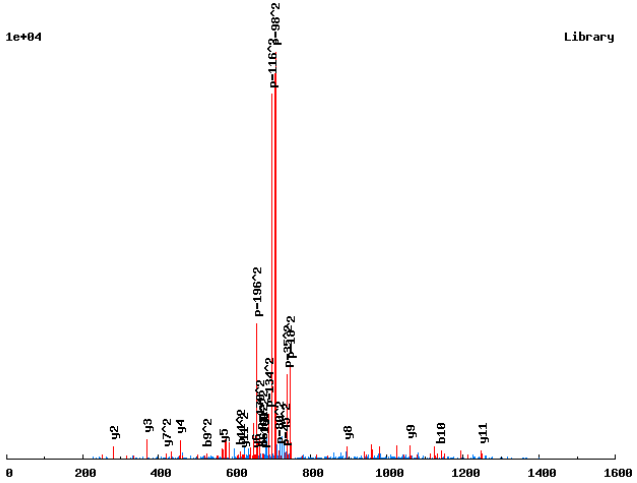


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	13		
265.1183	133.0628	2	T	12	1263.5382	**632.2727**
378.2023	189.6048	3	I	11	**1162.4905**	**581.7489**
435.2238	218.1155	4	G	10	**1049.4064**	525.2068
492.2453	246.6263	5	G	9	**992.3850**	496.6961
659.2436	330.1255	6	S[167]	8	935.3635	468.1854
773.2866	387.1469	7	N	7	768.3651	384.6862
940.2849	470.6461	8	S[167]	6	**654.3222**	327.6647
1053.3690	527.1881	9	I	5	**487.3238**	244.1656
1152.4374	576.7223	10	V	4	**374.2398**	187.6235
1209.4589	**605.2331**	11	G	3	**275.1714**	138.0893
1280.4960	640.7516	12	A	2	218.1499	109.5786
		13	K	1	147.1128	74.0600

Annotated spectra from Saleem et. al. 2009

R.YTSVS$_{167}$GT$_{181}$SLSSPR$_{166}$.R/2

0.9897

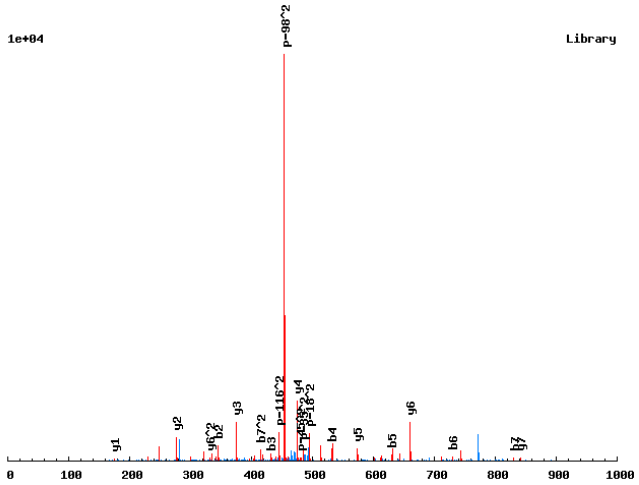


b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	13		
265.1183	133.0628	2	T	12	1348.5421	**674.7747**
352.1503	176.5788	3	S	11	**1247.4944**	**624.2508**
451.2187	226.1130	4	V	10	1160.4624	580.7348
618.2171	309.6122	5	S[167]	9	**1061.3940**	531.2006
675.2386	338.1229	6	G	8	**894.3956**	447.7014
856.2526	428.6299	7	T[181]	7	837.3741	**419.1907**
943.2846	472.1459	8	S	6	**656.3601**	328.6837
1056.3687	**528.6880**	9	L	5	**569.3281**	285.1677
1143.4007	572.2040	10	S	4	**456.2440**	228.6257
1230.4327	**615.7200**	11	S	3	**369.2120**	185.1096
1327.4855	664.2464	12	P	2	**282.1800**	141.5936
		13	R[166]	1	185.1272	93.0672

Annotated spectra from Saleem et. al. 2009

K.YT$_{181}$SVVVTR.W/2

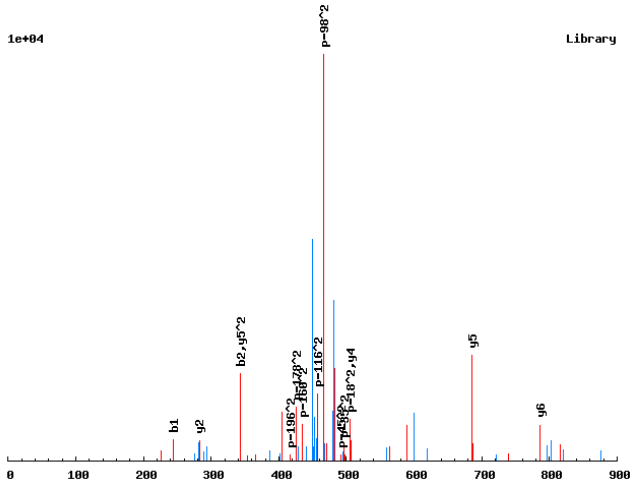
0.9999



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
164.0706	82.5389	1	Y	8		
345.0846	173.0460	2	T[181]	7	841.4179	421.2126
432.1167	216.5620	3	S	6	660.4039	330.7056
531.1851	266.0962	4	V	5	573.3719	287.1896
630.2535	315.6304	5	V	4	474.3034	237.6554
729.3219	365.1646	6	V	3	375.2350	188.1212
830.3696	415.6884	7	T	2	276.1666	138.5870
		8	R	1	175.1190	88.0631

R.Y$_{243}$VT$_{181}$GR$_{166}$PR$_{166}$.V/2

0.7823



b^{1+}	b^{2+}	#	AA	#	y^{1+}	y^{2+}
244.0369	122.5221	**1**	**Y[243]**	**7**		
343.1054	172.0563	**2**	**V**	**6**	**785.3932**	393.2003
524.1194	262.5633	**3**	**T[181]**	**5**	**686.3248**	**343.6661**
581.1408	291.0741	**4**	**G**	**4**	**505.3108**	253.1590
747.2502	374.1287	**5**	**R[166]**	**3**	448.2894	224.6483
844.3030	422.6551	**6**	**P**	**2**	**282.1800**	141.5936
		7	**R[166]**	**1**	185.1272	93.0672