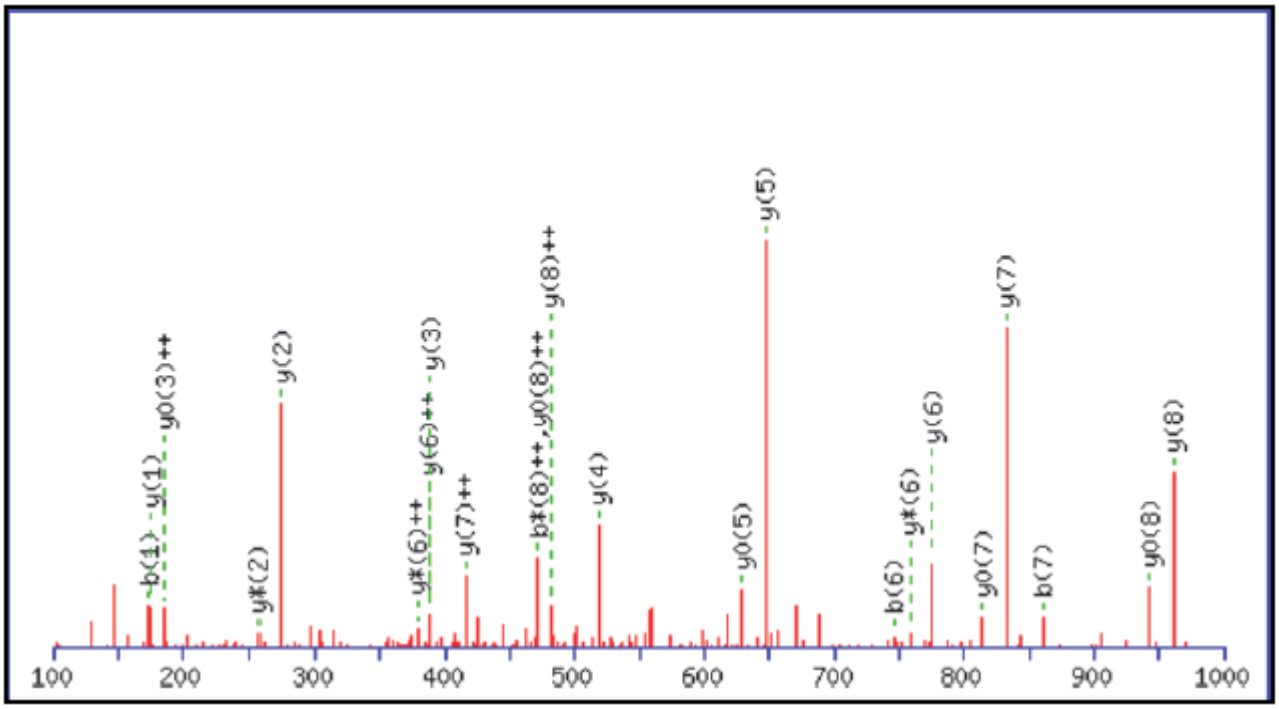
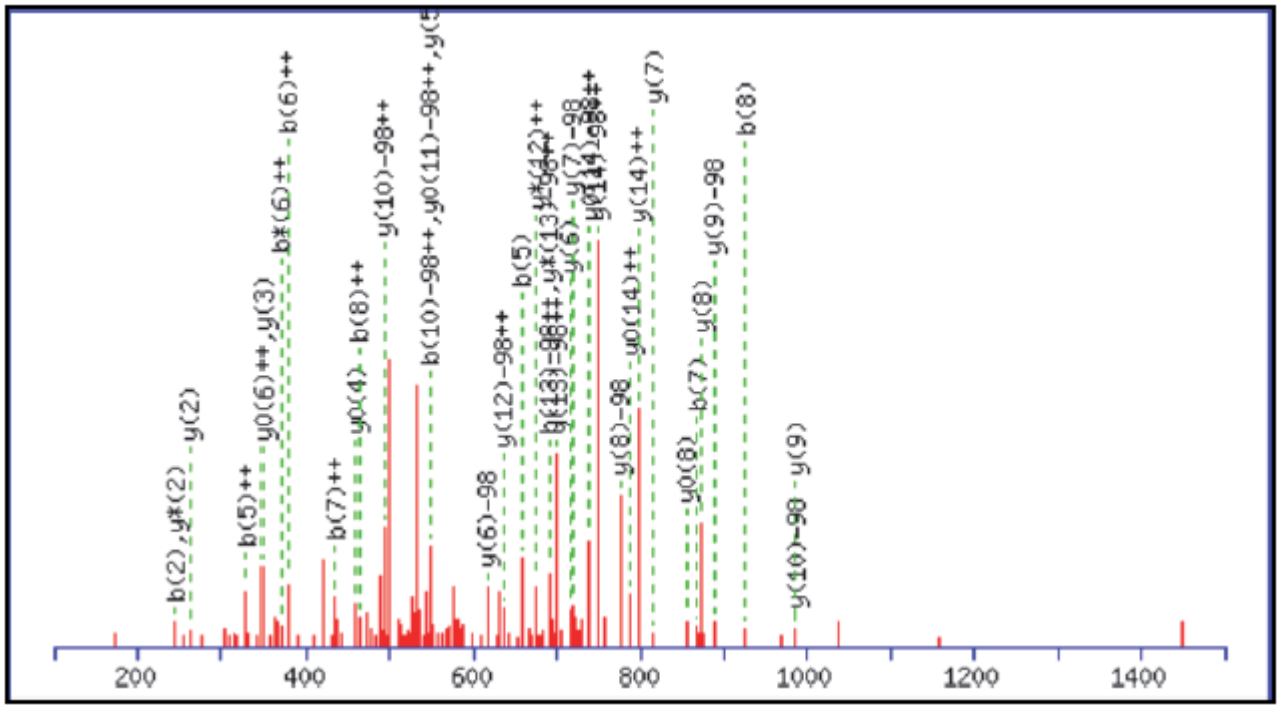
PIP11-14 Acet



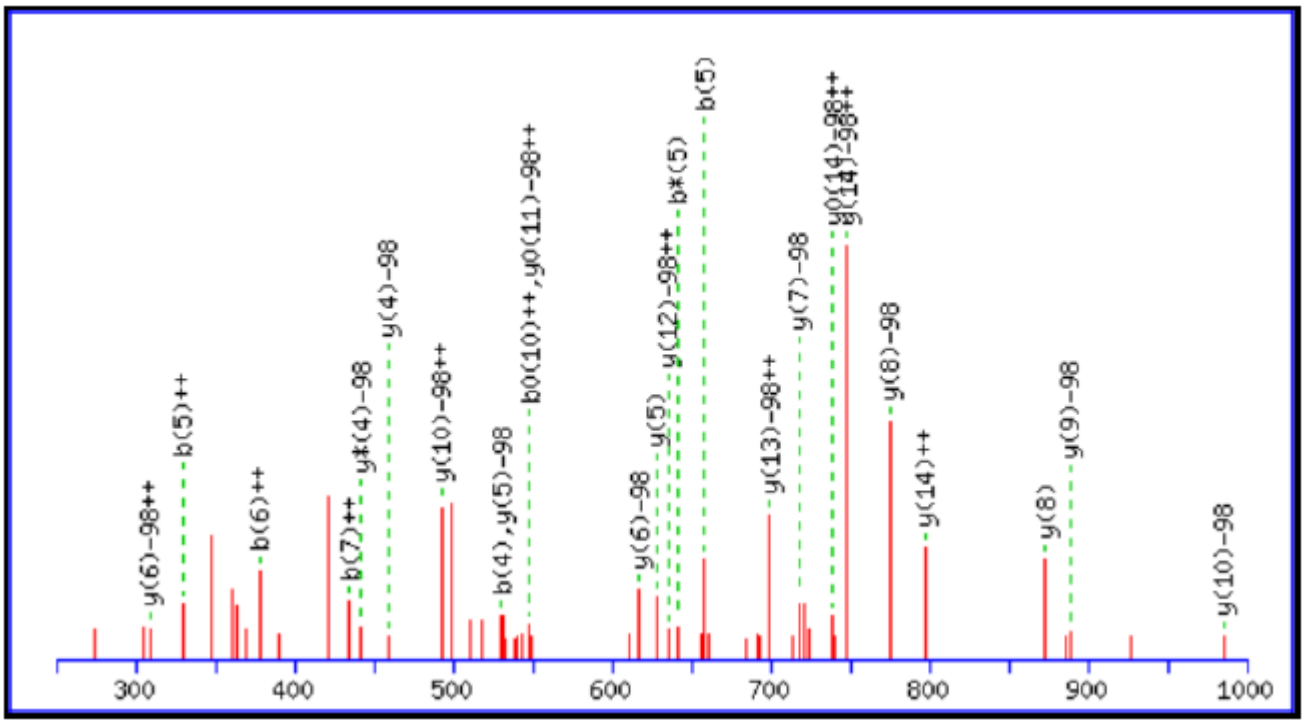
Monoisotopic mass of neutral peptide Mr (calc): 1133.5023
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N-term: acetyl (Protein N-term)
Ions Score: 71
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	**174.0583**	87.5328					M							9
2	303.1009	152.0541			285.0903	143.0488	E	**961.4585**	**481.2329**	944.4320	472.7196	**943.4479**	**472.2276**	8
3	360.1224	180.5648			342.1118	171.5595	G	**832.4159**	**416.7116**	815.3894	408.1983	**814.4054**	407.7063	7
4	488.2173	244.6123	471.1908	236.0990	470.2068	235.6070	K	**775.3945**	**388.2009**	**758.3679**	**379.6876**	757.3839	379.1956	6
5	617.2599	309.1336	600.2334	300.6203	599.2494	300.1283	E	**647.2995**	324.1534	630.2729	315.6401	**629.2889**	315.1481	5
6	**746.3025**	373.6549	729.2760	365.1416	728.2920	364.6496	E	**518.2569**	259.6321	501.2304	251.1188	500.2463	250.6268	4
7	**861.3295**	431.1684	844.3029	422.6551	843.3189	422.1631	D	**389.2143**	195.1108	372.1878	186.5975	371.2037	**186.1055**	3
8	960.3979	480.7026	943.3713	**472.1893**	942.3873	471.6973	V	**274.1874**	137.5973	**257.1608**	129.0840			2
9							R	**175.1190**	88.0631	158.0924	79.5498			1



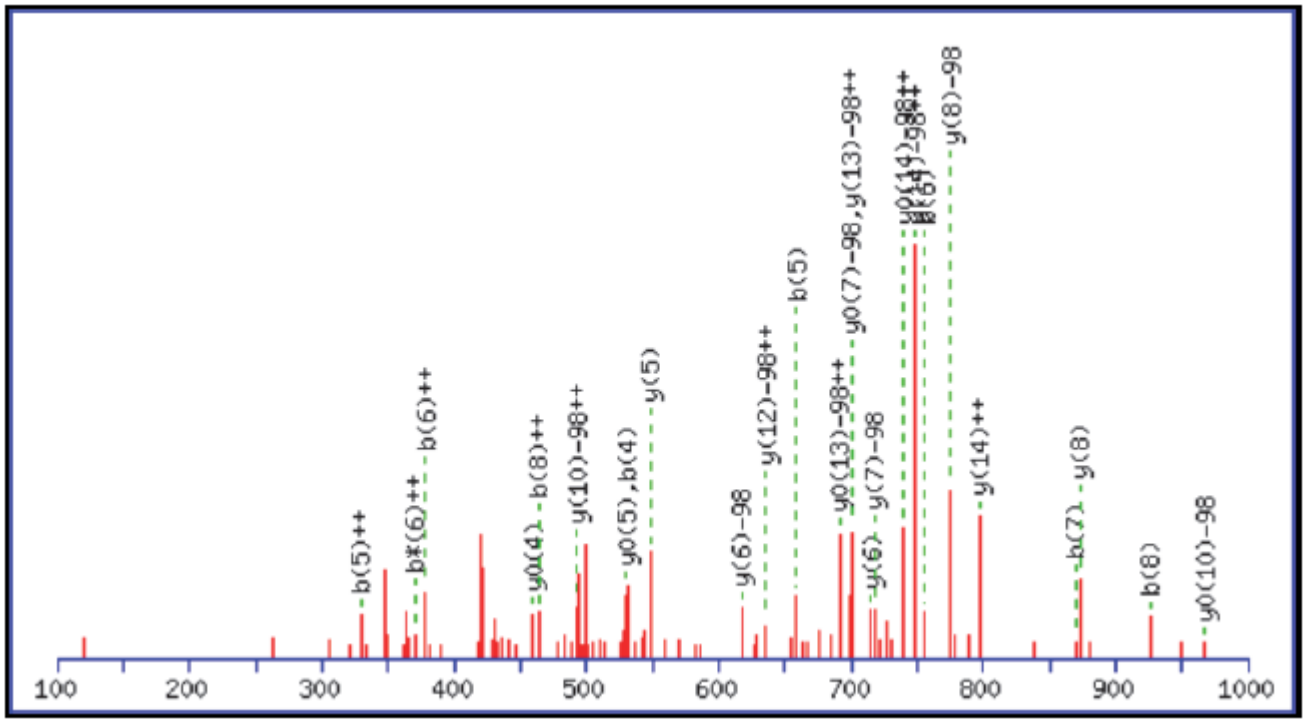
Monoisotopic mass of neutral peptide Mr (calc): 1739.7880
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S10: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 40
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	148.0757	74.5415					F							15
2	**245.1285**	123.0679					P	1495.7499	**748.3786**	1478.7234	739.8653	1477.7394	**739.3733**	14
3	374.1710	187.5892			356.1605	178.5839	E	1398.6972	**699.8522**	1381.6706	**691.3390**	1380.6866	690.8469	13
4	530.2722	265.6397	513.2456	257.1264	512.2616	256.6344	R	1269.6546	**635.3309**	1252.6280	626.8177	1251.6440	626.3256	12
5	**658.3307**	**329.6690**	641.3042	321.1557	640.3202	320.6637	Q	1113.5535	557.2804	1096.5269	548.7671	1095.5429	**548.2751**	11
6	755.3835	**378.1954**	738.3570	**369.6821**	737.3729	369.1901	P	**985.4949**	**493.2511**	968.4683	484.7378	967.4843	484.2458	10
7	**868.4676**	**434.7374**	851.4410	426.2241	850.4570	425.7321	I	**888.4421**	444.7247	871.4156	436.2114	870.4316	435.7194	9
8	**925.4890**	**463.2482**	908.4625	454.7349	907.4785	454.2429	G	**775.3581**	388.1827	758.3315	379.6694	757.3475	379.1774	8
9	1026.5367	513.7720	1009.5102	505.2587	1008.5261	504.7667	T	**718.3366**	359.6719	701.3101	351.1587	700.3260	350.6667	7
10	1095.5582	**548.2827**	1078.5316	539.7694	1077.5476	539.2774	S	**617.2889**	309.1481	600.2624	300.6348	599.2784	300.1428	6
11	1166.5953	583.8013	1149.5687	575.2880	1148.5847	574.7960	A	**548.2675**	274.6374	531.2409	266.1241	530.2569	265.6321	5
12	1294.6539	647.8306	1277.6273	639.3173	1276.6433	638.8253	Q	477.2304	239.1188	460.2038	230.6055	**459.2198**	230.1135	4
13	1381.6859	**691.3466**	1364.6593	682.8333	1363.6753	682.3413	S	**349.1718**	175.0895	332.1452	166.5763	331.1612	166.0842	3
14	1496.7128	748.8601	1479.6863	740.3468	1478.7023	739.8548	D	**262.1397**	131.5735	**245.1132**	123.0602	244.1292	122.5682	2
15							K	147.1128	74.0600	130.0863	65.5468			1



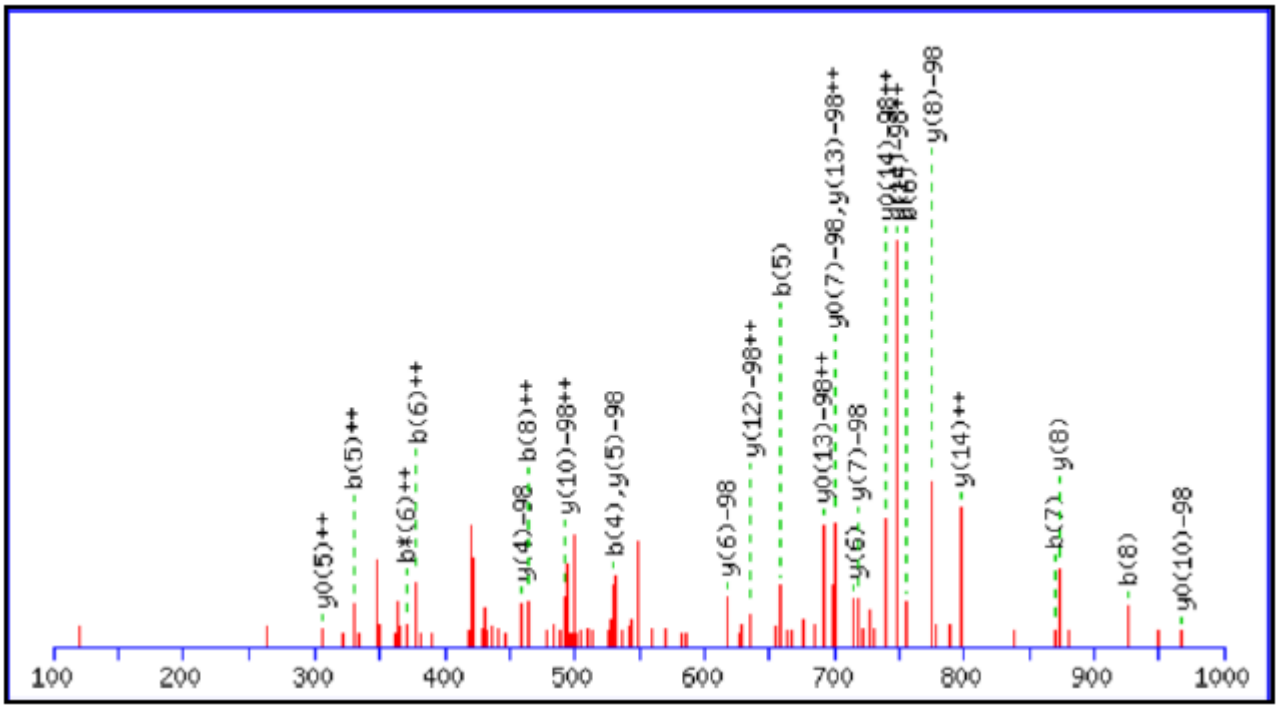
Monoisotopic mass of neutral peptide Mr (calc): 1739.7880
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S13: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 44
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	148.0757	74.5415					F							15
2	245.1285	123.0679					P	1495.7499	**748.3786**	1478.7234	739.8653	1477.7394	**739.3733**	14
3	374.1710	187.5892			356.1605	178.5839	E	1398.6972	**699.8522**	1381.6706	691.3390	1380.6866	690.8469	13
4	**530.2722**	265.6397	513.2456	257.1264	512.2616	256.6344	R	1269.6546	**635.3309**	1252.6280	626.8177	1251.6440	626.3256	12
5	**658.3307**	**329.6690**	**641.3042**	321.1557	640.3202	320.6637	Q	1113.5535	557.2804	1096.5269	548.7671	1095.5429	**548.2751**	11
6	755.3835	**378.1954**	738.3570	369.6821	737.3729	369.1901	P	**985.4949**	**493.2511**	968.4683	484.7378	967.4843	484.2458	10
7	868.4676	**434.7374**	851.4410	426.2241	850.4570	425.7321	I	**888.4421**	444.7247	871.4156	436.2114	870.4316	435.7194	9
8	925.4890	463.2482	908.4625	454.7349	907.4785	454.2429	G	**775.3581**	388.1827	758.3315	379.6694	757.3475	379.1774	8
9	1026.5367	513.7720	1009.5102	505.2587	1008.5261	504.7667	T	**718.3366**	359.6719	701.3101	351.1587	700.3260	350.6667	7
10	1113.5687	557.2880	1096.5422	548.7747	1095.5582	**548.2827**	S	**617.2889**	**309.1481**	600.2624	300.6348	599.2784	300.1428	6
11	1184.6058	592.8066	1167.5793	584.2933	1166.5953	583.8013	A	**530.2569**	265.6321	513.2303	257.1188	512.2463	256.6268	5
12	1312.6644	656.8359	1295.6379	648.3226	1294.6539	647.8306	Q	**459.2198**	230.1135	**442.1932**	221.6003	441.2092	221.1082	4
13	1381.6859	691.3466	1364.6593	682.8333	1363.6753	682.3413	S	331.1612	166.0842	314.1347	157.5710	313.1506	157.0790	3
14	1496.7128	748.8601	1479.6863	740.3468	1478.7023	739.8548	D	262.1397	131.5735	245.1132	123.0602	244.1292	122.5682	2
15							K	147.1128	74.0600	130.0863	65.5468			1



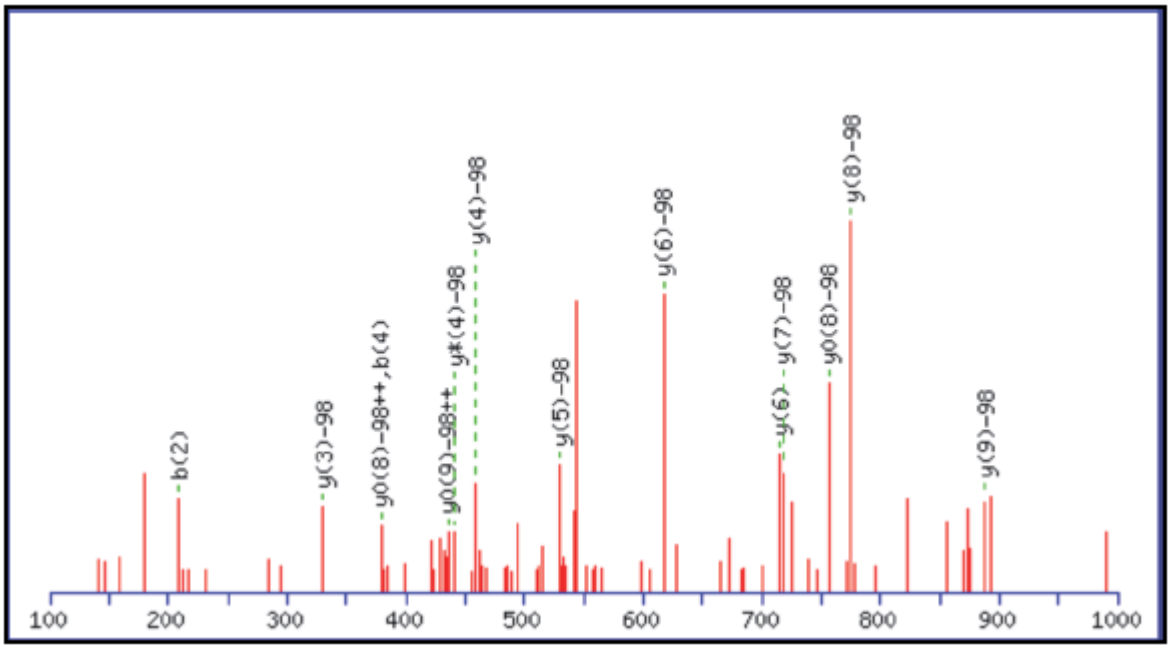
Monoisotopic mass of neutral peptide Mr (calc): 1740.7720
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
Q5: deamidated (NQ)
S10: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 28
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	148.0757	74.5415					F							15
2	245.1285	123.0679					P	1496.7339	**748.8706**	1479.7074	740.3573	1478.7234	**739.8653**	14
3	374.1710	187.5892			356.1605	178.5839	E	1399.6812	**700.3442**	1382.6546	691.8310	1381.6706	**691.3389**	13
4	**530.2722**	265.6397	513.2456	257.1264	512.2616	256.6344	R	1270.6386	**635.8229**	1253.6120	627.3097	1252.6280	626.8177	12
5	**659.3147**	**330.1610**	642.2882	321.6477	641.3042	321.1557	Q	1114.5375	557.7724	1097.5109	549.2591	1096.5269	548.7671	11
6	**756.3675**	**378.6874**	739.3410	**370.1741**	738.3569	369.6821	P	985.4949	**493.2511**	968.4683	484.7378	**967.4843**	484.2458	10
7	**869.4516**	435.2294	852.4250	426.7162	851.4410	426.2241	I	888.4421	444.7247	871.4156	436.2114	870.4316	435.7194	9
8	**926.4730**	**463.7402**	909.4465	455.2269	908.4625	454.7349	G	**775.3581**	388.1827	758.3315	379.6694	757.3475	379.1774	8
9	1027.5207	514.2640	1010.4942	505.7507	1009.5102	505.2587	T	**718.3366**	359.6719	701.3101	351.1587	**700.3260**	350.6667	7
10	1096.5422	548.7747	1079.5156	540.2614	1078.5316	539.7694	S	**617.2889**	309.1481	600.2624	300.6348	599.2784	300.1428	6
11	1167.5793	584.2933	1150.5527	575.7800	1149.5687	575.2880	A	**548.2675**	274.6374	531.2409	266.1241	**530.2569**	265.6321	5
12	1295.6379	648.3226	1278.6113	639.8093	1277.6273	639.3173	Q	477.2304	239.1188	460.2038	230.6055	**459.2198**	230.1135	4
13	1382.6699	691.8386	1365.6433	683.3253	1364.6593	682.8333	S	349.1718	175.0895	332.1452	166.5763	331.1612	166.0842	3
14	1497.6968	749.3521	1480.6703	740.8388	1479.6863	740.3468	D	262.1397	131.5735	245.1132	123.0602	244.1292	122.5682	2
15							K	147.1128	74.0600	130.0863	65.5468			1



Monoisotopic mass of neutral peptide Mr (calc): 1740.7720
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
Q5: deamidated (NQ)
S13: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 28
Bold red: Matches

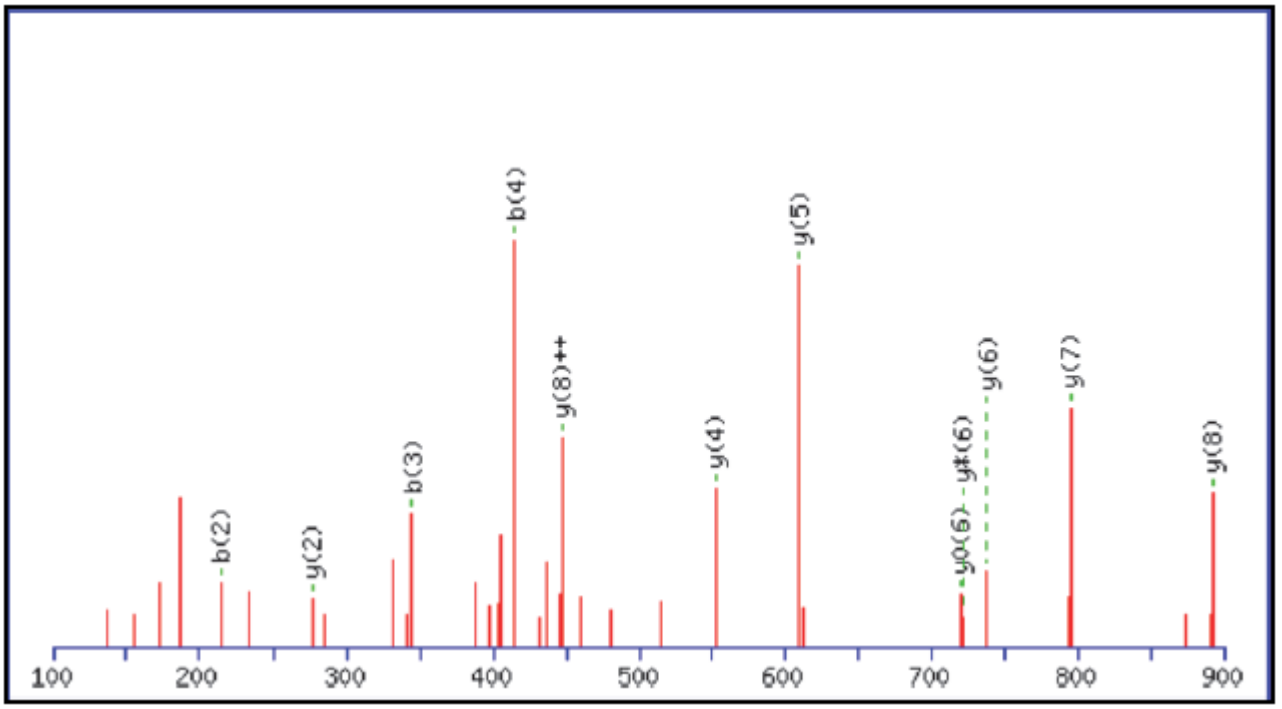
#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	148.0757	74.5415					F							15
2	245.1285	123.0679					P	1496.7339	748.8706	1479.7074	740.3573	1478.7234	739.8653	14
3	374.1710	187.5892			356.1605	178.5839	E	1399.6812	700.3442	1382.6546	691.8310	1381.6706	691.3389	13
4	530.2722	265.6397	513.2456	257.1264	512.2616	256.6344	R	1270.6386	635.8229	1253.6120	627.3097	1252.6280	626.8177	12
5	659.3147	330.1610	642.2882	321.6477	641.3042	321.1557	Q	1114.5375	557.7724	1097.5109	549.2591	1096.5269	548.7671	11
6	756.3675	378.6874	739.3410	370.1741	738.3569	369.6821	P	985.4949	493.2511	968.4683	484.7378	967.4843	484.2458	10
7	869.4516	435.2294	852.4250	426.7162	851.4410	426.2241	I	888.4421	444.7247	871.4156	436.2114	870.4316	435.7194	9
8	926.4730	463.7402	909.4465	455.2269	908.4625	454.7349	G	775.3581	388.1827	758.3315	379.6694	757.3475	379.1774	8
9	1027.5207	514.2640	1010.4942	505.7507	1009.5102	505.2587	T	718.3366	359.6719	701.3101	351.1587	700.3260	350.6667	7
10	1114.5527	557.7800	1097.5262	549.2667	1096.5422	548.7747	S	617.2889	309.1481	600.2624	300.6348	599.2784	300.1428	6
11	1185.5899	593.2986	1168.5633	584.7853	1167.5793	584.2933	A	530.2569	265.6321	513.2303	257.1188	512.2463	256.6268	5
12	1313.6484	657.3279	1296.6219	648.8146	1295.6379	648.3226	Q	459.2198	230.1135	442.1932	221.6003	441.2092	221.1082	4
13	1382.6699	691.8386	1365.6433	683.3253	1364.6593	682.8333	S	331.1612	166.0842	314.1347	157.5710	313.1506	157.0790	3
14	1497.6968	749.3521	1480.6703	740.8388	1479.6863	740.3468	D	262.1397	131.5735	245.1132	123.0602	244.1292	122.5682	2
15							K	147.1128	74.0600	130.0863	65.5468			1



Monoisotopic mass of neutral peptide Mr (calc): 1193.4966
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N-term: Gln →pyro-Glu (N-termQ)
S9: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 56
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	112.0393	56.5233	95.0128	48.0100			Q							11
2	**209.0921**	105.0497	192.0655	96.5364			P	985.4949	493.2511	968.4683	484.7378	967.4843	484.2458	10
3	322.1761	161.5917	305.1496	153.0784			I	**888.4421**	444.7247	871.4156	436.2114	870.4316	**435.7194**	9
4	**379.1976**	190.1024	362.1711	181.5892			G	**775.3581**	388.1827	758.3315	379.6694	**757.3475**	**379.1774**	8
5	480.2453	240.6263	463.2187	232.1130	462.2347	231.6210	T	**718.3366**	359.6719	701.3101	351.1587	700.3260	350.6667	7
6	567.2773	284.1423	550.2508	275.6290	549.2668	275.1370	S	**617.2889**	309.1481	600.2624	300.6348	599.2784	300.1428	6
7	638.3144	319.6609	621.2879	311.1476	620.3039	310.6556	A	**530.2569**	265.6321	513.2303	257.1188	512.2463	256.6268	5
8	766.3730	383.6901	749.3465	375.1769	748.3624	374.6849	Q	**459.2198**	230.1135	**442.1932**	221.6003	441.2092	221.1082	4
9	835.3945	418.2009	818.3679	409.6876	817.3839	409.1956	S	**331.1612**	166.0842	314.1347	157.5710	313.1506	157.0790	3
10	950.4214	475.7143	933.3949	467.2011	932.4108	466.7091	D	262.1397	131.5735	245.1132	123.0602	244.1292	122.5682	2
11							K	147.1128	74.0600	130.0863	65.5468			1

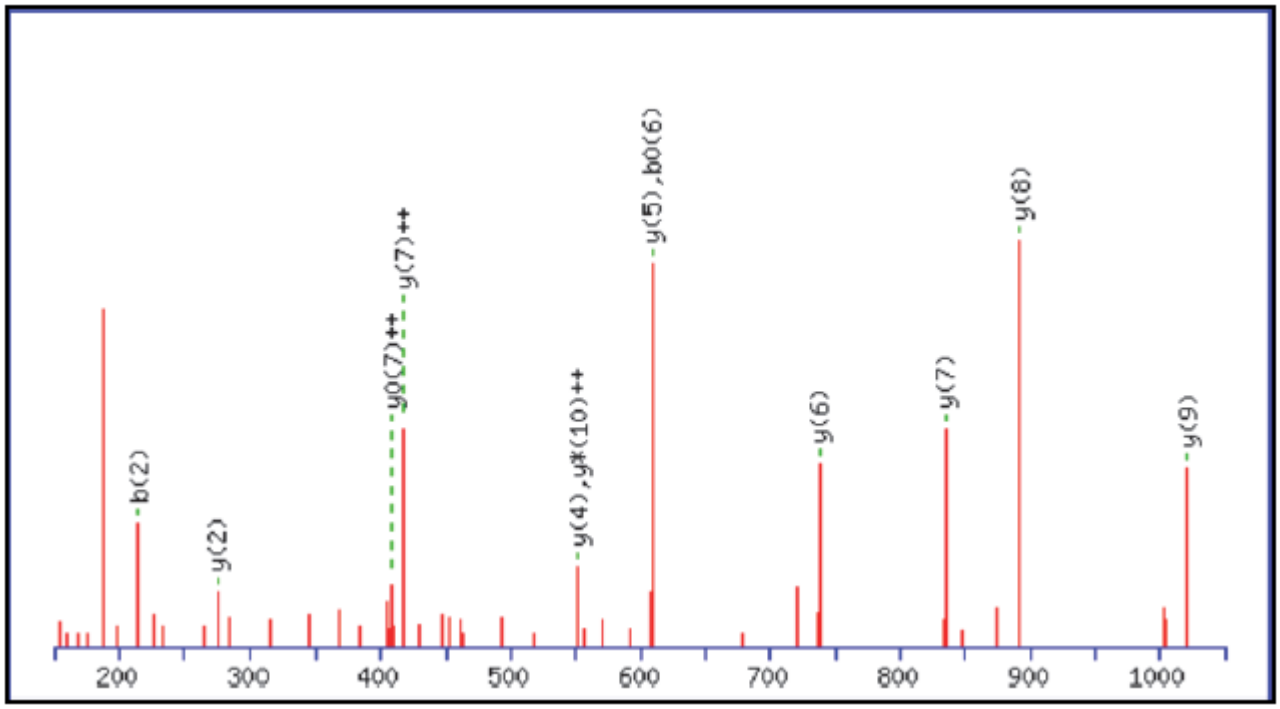
PIP21 (4-16) 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1404.6521
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
Q11: Deamidated (NQ)
Ions Score: 51
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207			98.0237	49.5155	D							13
2	**215.1026**	108.0550			197.0921	99.0497	V	1290.6325	645.8199	1273.6059	637.3066	1272.6219	636.8146	12
3	**344.1452**	172.5763			326.1347	163.5710	E	1191.5640	596.2857	1174.5375	587.7724	1173.5535	587.2804	11
4	**415.1823**	208.0948			397.1718	199.0895	A	1062.5214	531.7644	1045.4949	523.2511	1044.5109	522.7591	10
5	514.2508	257.6290			496.2402	248.6237	V	991.4843	496.2458	974.4578	487.7325	973.4738	487.2405	9
6	611.3035	306.1554			593.2930	297.1501	P	**892.4159**	**446.7116**	875.3894	438.1983	874.4054	437.7063	8
7	668.3250	334.6661			650.3144	325.6608	G	**795.3632**	398.1852	778.3366	389.6719	777.3526	389.1799	7
8	797.3676	399.1874			779.3570	390.1821	E	**738.3417**	369.6745	**721.3151**	361.1612	**720.3311**	360.6692	6
9	854.3890	427.6982			836.3785	418.6929	G	**609.2991**	305.1532	592.2725	296.6399	591.2885	296.1479	5
10	1001.4575	501.2324			983.4469	492.2271	F	**552.2776**	276.6425	535.2511	268.1292	534.2671	267.6372	4
11	1130.5000	565.7537	1113.4735	557.2404	1112.4895	556.7484	Q	405.2092	203.1082	388.1827	194.5950	387.1987	194.1030	3
12	1231.5477	616.2775	1214.5212	607.7642	1213.5372	607.2722	T	**276.1666**	138.5870	259.1401	130.0737	258.1561	129.5817	2
13							R	175.1190	88.0631	158.0924	79.5498			1

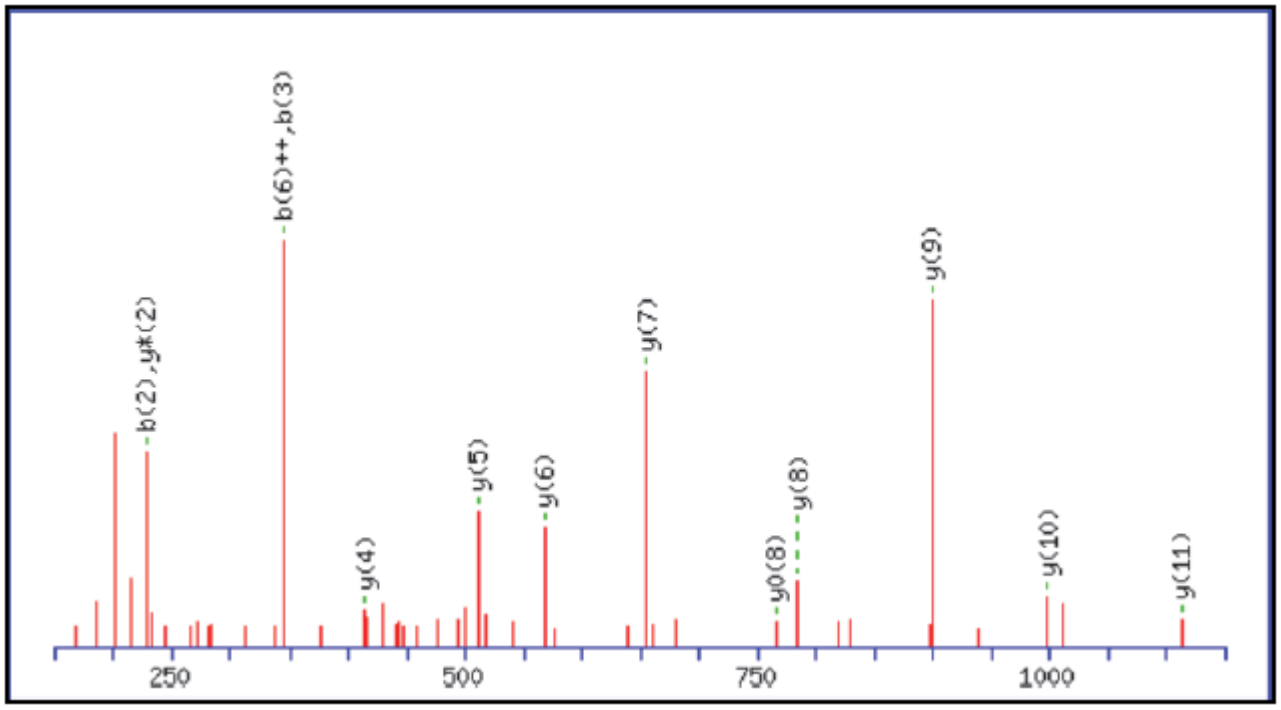
PIP22 (4-14) 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1234.5466
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
Q9: Deamidated (NQ)
Ions Score: 68
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207			98.0237	49.5155	D							11
2	**215.1026**	108.0550			197.0921	99.0497	V	1120.5269	560.7671	1103.5004	**552.2538**	1102.5164	551.7618	10
3	344.1452	172.5763			326.1347	163.5710	E	**1021.4585**	511.2329	1004.4320	502.7196	1003.4479	502.2276	9
4	401.1667	201.0870			383.1561	192.0817	G	**892.4159**	446.7116	875.3894	438.1983	874.4054	437.7063	8
5	498.2195	249.6134			480.2089	240.6081	P	**835.3945**	**418.2009**	818.3679	409.6876	817.3839	**409.1956**	7
6	627.2620	314.1347			**609.2515**	305.1294	E	**738.3417**	369.6745	721.3151	361.1612	720.3311	360.6692	6
7	684.2835	342.6454			666.2729	333.6401	G	**609.2991**	305.1532	592.2725	296.6399	591.2885	296.1479	5
8	831.3519	416.1796			813.3414	407.1743	F	**552.2776**	276.6425	535.2511	268.1292	534.2671	267.6372	4
9	960.3945	480.7009	943.3680	472.1876	942.3839	471.6956	Q	405.2092	203.1082	388.1827	194.5950	387.1987	194.1030	3
10	1061.4422	531.2247	1044.4156	522.7115	1043.4316	522.2195	T	**276.1666**	138.5870	259.1401	130.0737	258.1561	129.5817	2
11							R	175.1190	88.0631	158.0924	79.5498			1

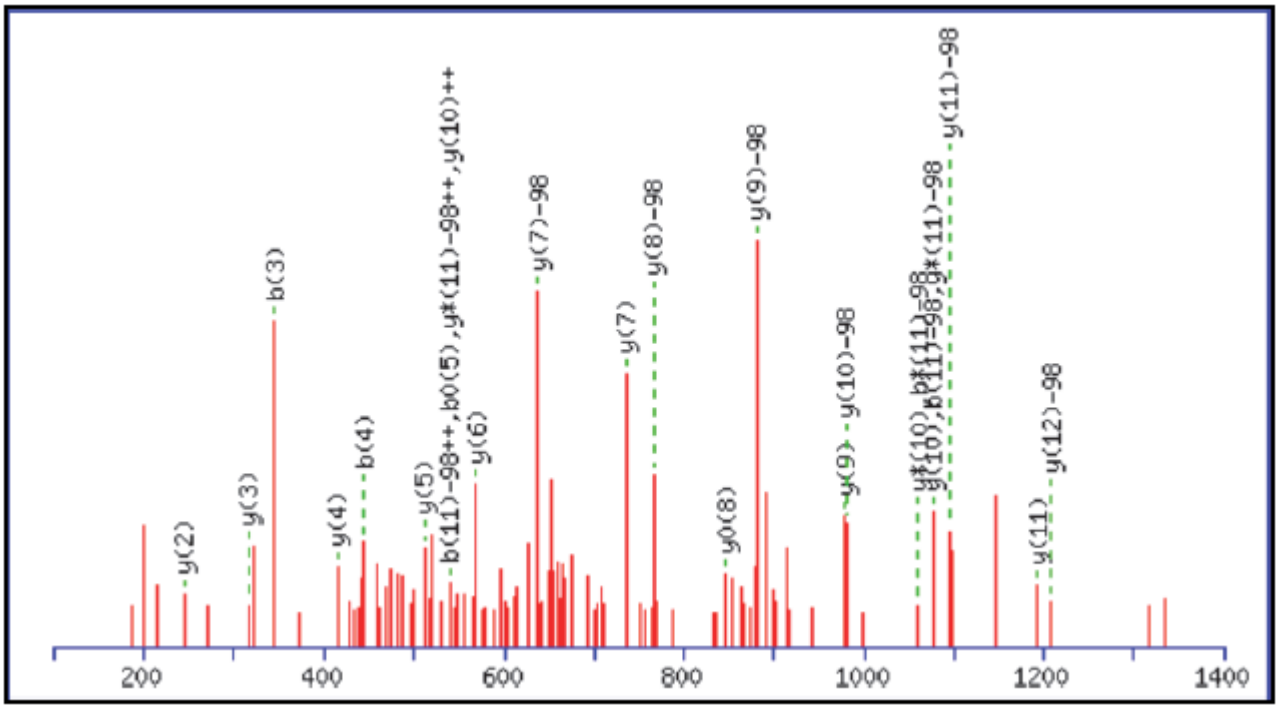
PIP24 (4-16) 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1340.6208
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N5: Deamidated (NQ)
Ions Score: 56
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207			98.0237	49.5155	D							13
2	**229.1183**	115.0628			211.1077	106.0575	L	1226.6012	613.8042	1209.5746	605.2909	1208.5906	604.7989	12
3	**344.1452**	172.5763			326.1347	163.5710	D	**1113.5171**	557.2622	1096.4905	548.7489	1095.5065	548.2569	11
4	443.2136	222.1105			425.2031	213.1052	V	**998.4901**	499.7487	981.4636	491.2354	980.4796	490.7434	10
5	558.2406	279.6239	541.2140	271.1107	540.2300	270.6186	N	**899.4217**	450.2145	882.3952	441.7012	881.4112	441.2092	9
6	687.2832	**344.1452**	670.2566	335.6319	669.2726	335.1399	E	**784.3948**	392.7010	767.3682	384.1878	**766.3842**	383.6958	8
7	774.3152	387.6612	757.2886	379.1480	756.3046	378.6560	S	**655.3522**	328.1797	638.3257	319.6665	637.3416	319.1745	7
8	831.3367	416.1720	814.3101	407.6587	813.3261	407.1667	G	**568.3202**	284.6637	551.2936	276.1504			6
9	928.3894	464.6984	911.3629	456.1851	910.3789	455.6931	P	**511.2987**	256.1530	494.2722	247.6397			5
10	1025.4422	513.2247	1008.4156	504.7115	1007.4316	504.2195	P	**414.2459**	207.6266	397.2194	199.1133			4
11	1096.4793	548.7433	1079.4528	540.2300	1078.4687	539.7380	A	317.1932	159.1002	300.1666	150.5870			3
12	1167.5164	584.2618	1150.4899	575.7486	1149.5059	575.2566	A	246.1561	123.5817	**229.1295**	115.0684			2
13							R	175.1190	88.0631	158.0924	79.5498			1

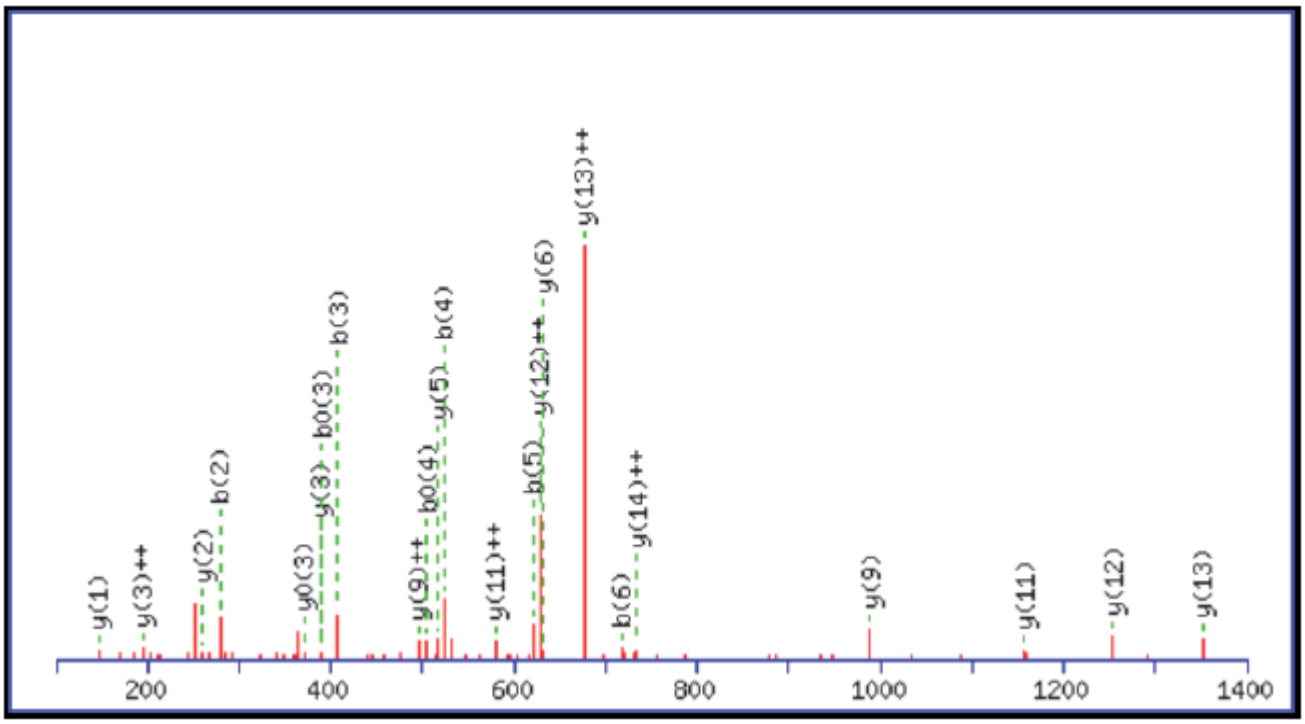
PIP24 (4-19) 1P



Monoisotopic mass of neutral peptide Mr (calc): 1419.6031
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 70
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207			98.0237	49.5155	D							13
2	229.1183	115.0628			211.1077	106.0575	L	**1207.6066**	604.3069	1190.5800	595.7936	1189.5960	595.3016	12
3	**344.1452**	172.5763			326.1347	163.5710	D	**1094.5225**	547.7649	**1077.4960**	**539.2516**	1076.5119	538.7596	11
4	**443.2136**	222.1105			425.2031	213.1052	V	**979.4956**	490.2514	962.4690	481.7381	961.4850	481.2461	10
5	557.2566	279.1319	540.2300	270.6186	**539.2460**	270.1266	N	**880.4271**	440.7172	863.4006	432.2039	862.4166	431.7119	9
6	686.2992	343.6532	669.2726	335.1399	668.2886	334.6479	E	**766.3842**	383.6957	749.3577	375.1825	748.3737	374.6905	8
7	755.3206	378.1639	738.2941	369.6507	737.3101	369.1587	S	**637.3416**	319.1745	620.3151	310.6612	619.3311	310.1692	7
8	812.3421	406.6747	795.3155	398.1614	794.3315	397.6694	G	**568.3202**	284.6637	551.2936	276.1504			6
9	909.3948	455.2011	892.3683	446.6878	891.3843	446.1958	P	**511.2987**	256.1530	494.2722	247.6397			5
10	1006.4476	503.7274	989.4211	495.2142	988.4370	494.7222	P	**414.2459**	207.6266	397.2194	199.1133			4
11	**1077.4847**	**539.2460**	**1060.4582**	530.7327	1059.4742	530.2407	A	**317.1932**	159.1002	300.1666	150.5870			3
12	1148.5218	574.7646	1131.4953	566.2513	1130.5113	565.7593	A	**246.1561**	123.5817	229.1295	115.0684			2
13							R	175.1190	88.0631	158.0924	79.5498			1

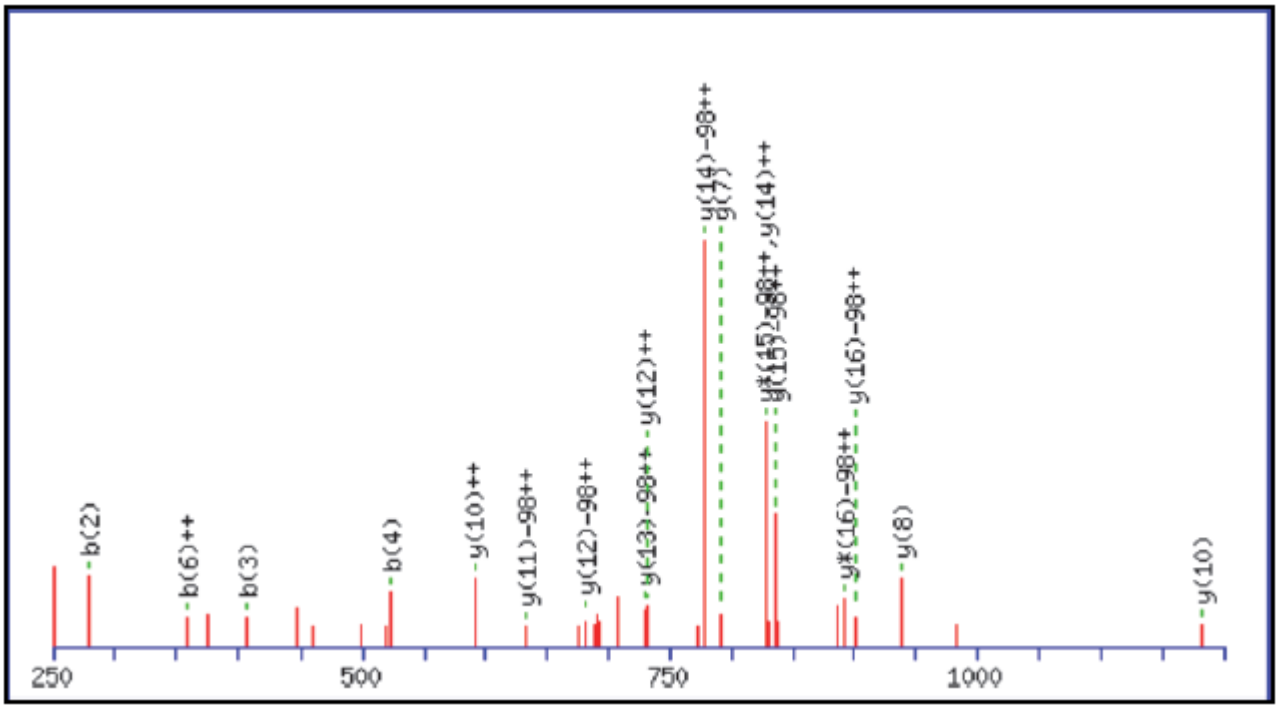
PIP21 (17-33) 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1740.7720
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
Q3: deamidated (NQ)
Ions Score: 44
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207			98.0237	49.5155	D							17
2	**279.0975**	140.0524			261.0870	131.0471	Y	1758.8585	879.9329	1741.8319	871.4196	1740.8479	870.9276	16
3	**408.1401**	204.5737	391.1136	196.0604	**390.1296**	195.5684	Q	1595.7952	798.4012	1578.7686	789.8879	1577.7846	789.3959	15
4	**523.1671**	262.0872	506.1405	253.5739	**505.1565**	253.0819	D	1466.7526	**733.8799**	1449.7260	725.3667	1448.7420	724.8746	14
5	**620.2198**	310.6136	603.1933	302.1003	602.2093	301.6083	P	**1351.7256**	**676.3665**	1334.6991	667.8532	1333.7151	667.3612	13
6	**717.2726**	359.1399	700.2461	350.6267	699.2620	350.1347	P	**1254.6729**	**627.8401**	1237.6463	619.3268	1236.6623	618.8348	12
7	814.3254	407.6663	797.2988	399.1530	796.3148	398.6610	P	**1157.6201**	**579.3137**	1140.5936	570.8004	1139.6095	570.3084	11
8	885.3625	443.1849	868.3359	434.6716	867.3519	434.1796	A	1060.5673	530.7873	1043.5408	522.2740	1042.5568	521.7820	10
9	982.4152	491.7113	965.3887	483.1980	964.4047	482.7060	P	**989.5302**	**495.2688**	972.5037	486.7555	971.5197	486.2635	9
10	1129.4837	565.2455	1112.4571	556.7322	1111.4731	556.2402	F	892.4775	446.7424	875.4509	438.2291	874.4669	437.7371	8
11	1242.5677	621.7875	1225.5412	613.2742	1224.5572	612.7822	I	745.4090	373.2082	728.3825	364.6949	727.3985	364.2029	7
12	1357.5947	679.3010	1340.5681	670.7877	1339.5841	670.2957	D	**632.3250**	316.6661	615.2984	308.1529	614.3144	307.6608	6
13	1414.6161	707.8117	1397.5896	699.2984	1396.6056	698.8064	G	**517.2980**	259.1527	500.2715	250.6394	499.2875	250.1474	5
14	1485.6532	743.3303	1468.6267	734.8170	1467.6427	734.3250	A	460.2766	230.6419	443.2500	222.1287	442.2660	221.6366	4
15	1614.6958	807.8516	1597.6693	799.3383	1596.6853	798.8463	E	**389.2395**	**195.1234**	372.2129	186.6101	**371.2289**	186.1181	3
16	1727.7799	864.3936	1710.7534	855.8803	1709.7693	855.3883	L	**260.1969**	130.6021	243.1703	122.0888			2
17							K	**147.1128**	74.0600	130.0863	65.5468			1

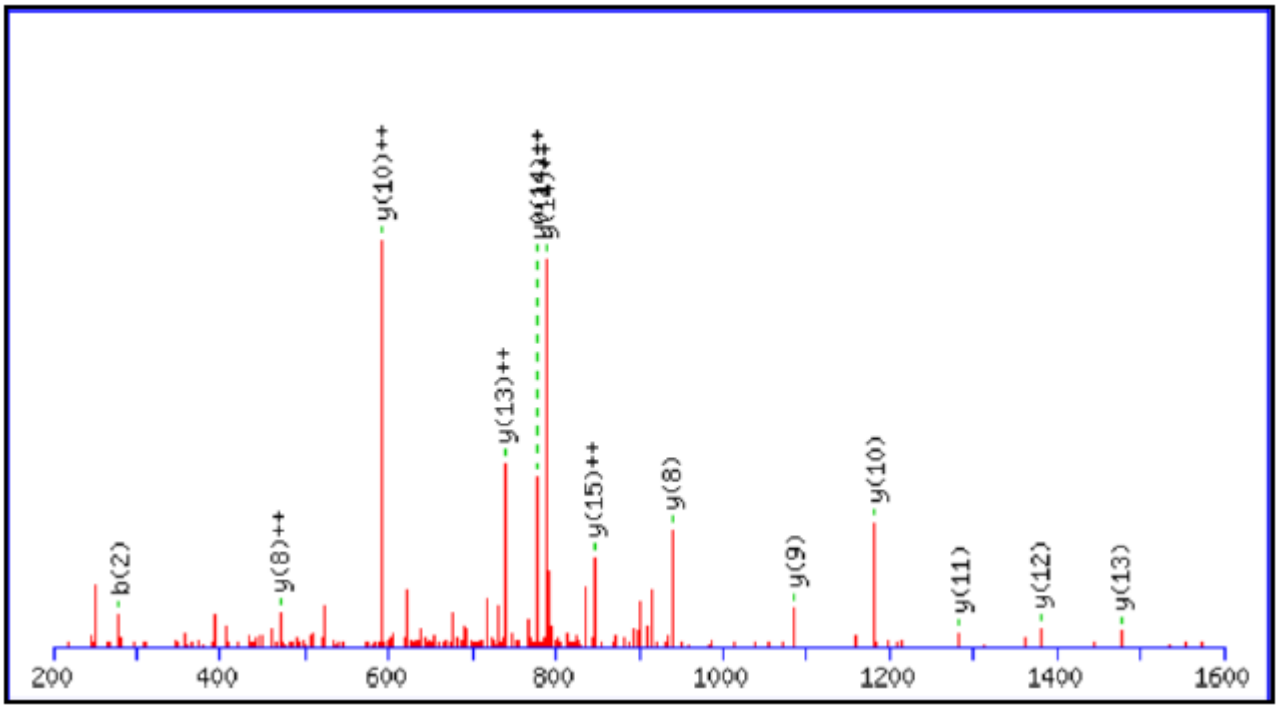
PIP22 (15-32) 1P



Monoisotopic mass of neutral peptide Mr (calc): 1740.7720
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
T8: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 36
Bold red: Matches

#	b	b^{++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207	98.0237	49.5155	D							18
2	**279.0975**	140.0524	261.0870	131.0471	Y	1963.8960	982.4516	1946.8694	973.9384	1945.8854	973.4464	17
3	**408.1401**	204.5737	390.1296	195.5684	E	1800.8327	**900.9200**	1783.8061	**892.4067**	1782.8221	891.9147	16
4	**523.1671**	262.0872	505.1565	253.0819	D	1671.7901	**836.3987**	1654.7635	**827.8854**	1653.7795	827.3934	15
5	620.2198	310.6136	602.2093	301.6083	P	1556.7631	**778.8852**	1539.7366	770.3719	1538.7526	769.8799	14
6	717.2726	**359.1399**	699.2620	350.1347	P	1459.7104	**730.3588**	1442.6838	721.8455	1441.6998	721.3535	13
7	814.3254	407.6663	796.3148	398.6610	P	1362.6576	**681.8324**	1345.6311	673.3192	1344.6470	672.8272	12
8	897.3625	449.1849	879.3519	440.1796	T	1265.6048	**633.3061**	1248.5783	624.7928	1247.5943	624.3008	11
9	994.4152	497.7113	976.4047	488.7060	P	**1182.5677**	**591.7875**	1165.5412	583.2742	1164.5572	582.7822	10
10	1141.4837	571.2455	1123.4731	562.2402	F	1085.5150	543.2611	1068.4884	534.7478	1067.5044	534.2558	9
11	1288.5521	644.7797	1270.5415	635.7744	F	**938.4466**	469.7269	921.4200	461.2136	920.4360	460.7216	8
12	1403.5790	702.2931	1385.5685	693.2879	D	**791.3781**	396.1927	774.3516	387.6794	773.3676	387.1874	7
13	1474.6161	737.8117	1456.6056	728.8064	A	676.3512	338.6792	659.3246	330.1660	658.3406	329.6740	6
14	1589.6431	795.3252	1571.6325	786.3199	D	605.3141	303.1607	588.2875	294.6474	587.3035	294.1554	5
15	1718.6857	859.8465	1700.6751	850.8412	E	490.2871	245.6472	473.2606	237.1339	472.2766	236.6419	4
16	1831.7697	916.3885	1813.7592	907.3832	L	361.2445	181.1259	344.2180	172.6126	343.2340	172.1206	3
17	1932.8174	966.9123	1914.8068	957.9071	T	248.1605	124.5839	231.1339	116.0706	230.1499	115.5786	2
18					K	147.1128	74.0600	130.0863	65.5468			1

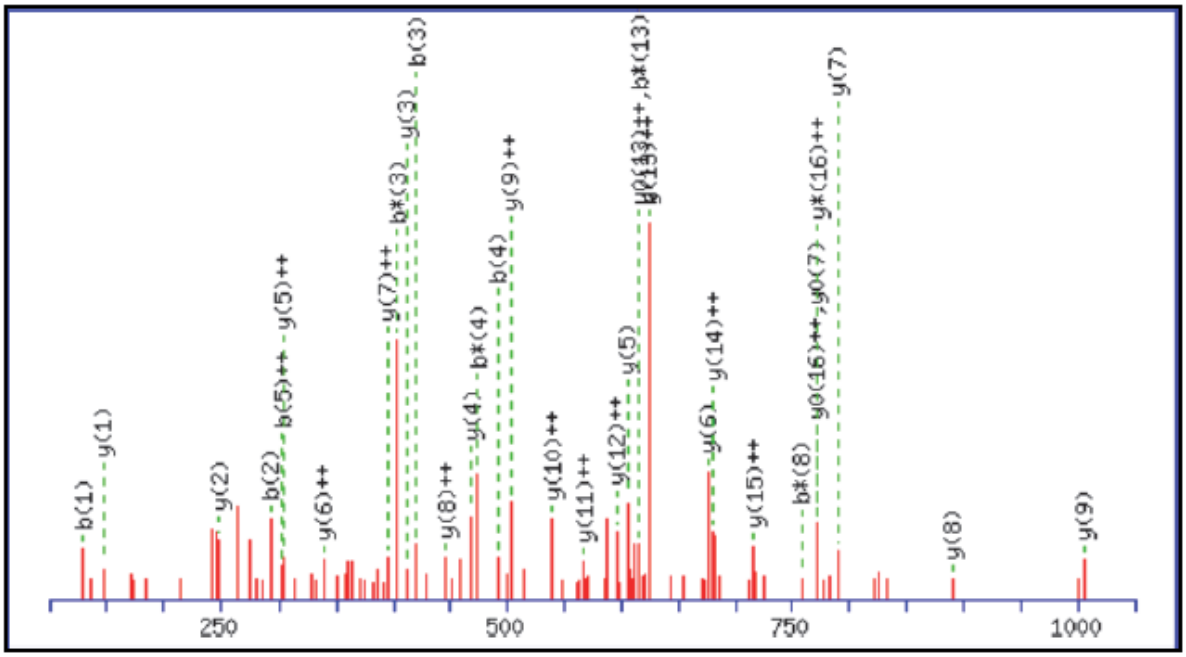
PIP22 (15-32) 1Met



Monoisotopic mass of neutral peptide Mr (calc): 2109.9419
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
E3: Methyl (DE)
Ions Score: 42
Bold red: Matches

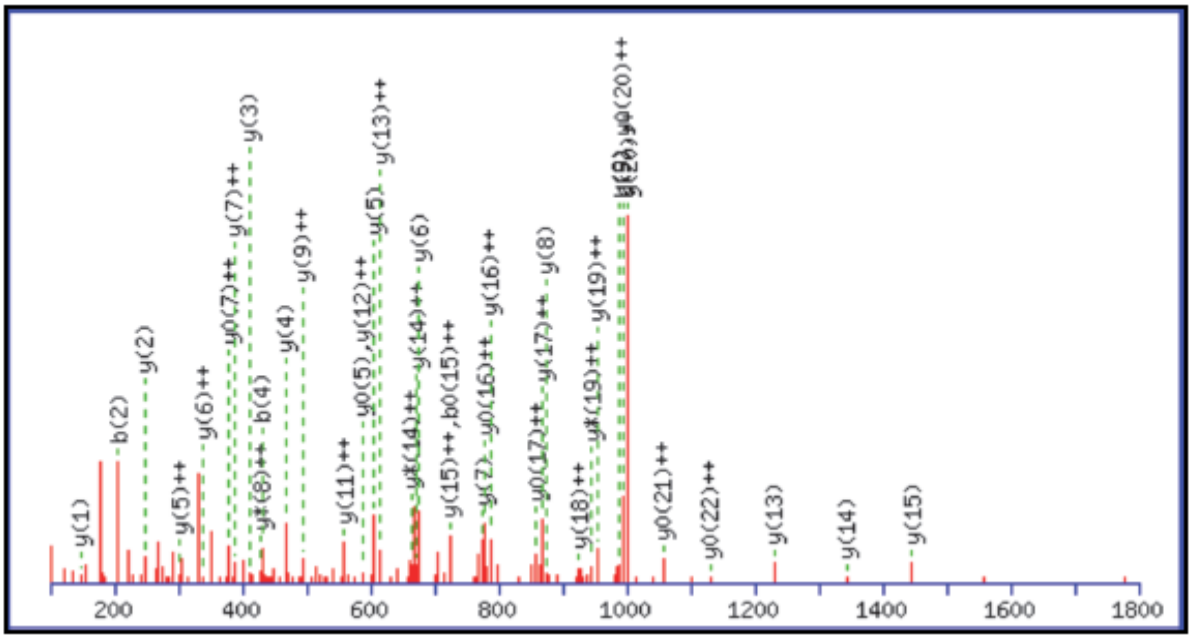
#	b	b^{++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	116.0342	58.5207	98.0237	49.5155	D							18
2	**279.0975**	140.0524	261.0870	131.0471	Y	1995.9222	998.4648	1978.8957	989.9515	1977.9117	989.4595	17
3	422.1558	211.5815	404.1452	202.5763	E	1832.8589	916.9331	1815.8323	908.4198	1814.8483	907.9278	16
4	537.1827	269.0950	519.1722	260.0897	D	1689.8006	**845.4040**	1672.7741	836.8907	1671.7901	836.3987	15
5	634.2355	317.6214	616.2249	308.6161	P	1574.7737	**787.8905**	1557.7472	779.3772	1556.7631	**778.8852**	14
6	731.2883	366.1478	713.2777	357.1425	P	**1477.7209**	**739.3641**	1460.6944	730.8508	1459.7104	730.3588	13
7	828.3410	414.6742	810.3305	405.6689	P	**1380.6682**	690.8377	1363.6416	682.3245	1362.6576	681.8324	12
8	929.3887	465.1980	911.3781	456.1927	T	**1283.6154**	642.3113	1266.5889	633.7981	1265.6048	633.3061	11
9	1026.4415	513.7244	1008.4309	504.7191	P	**1182.5677**	**591.7875**	1165.5412	583.2742	1164.5572	582.7822	10
10	1173.5099	587.2586	1155.4993	578.2533	F	**1085.5150**	543.2611	1068.4884	534.7478	1067.5044	534.2558	9
11	1320.5783	660.7928	1302.5677	651.7875	F	**938.4466**	**469.7269**	921.4200	461.2136	920.4360	460.7216	8
12	1435.6052	718.3063	1417.5947	709.3010	D	791.3781	396.1927	774.3516	387.6794	773.3676	387.1874	7
13	1506.6424	753.8248	1488.6318	744.8195	A	676.3512	338.6792	659.3246	330.1660	658.3406	329.6740	6
14	1621.6693	811.3383	1603.6587	802.3330	D	605.3141	303.1607	588.2875	294.6474	587.3035	294.1554	5
15	1750.7119	875.8596	1732.7013	866.8543	E	490.2871	245.6472	473.2606	237.1339	472.2766	236.6419	4
16	1863.7960	932.4016	1845.7854	923.3963	L	361.2445	181.1259	344.2180	172.6126	343.2340	172.1206	3
17	1964.8436	982.9255	1946.8331	973.9202	T	248.1605	124.5839	231.1339	116.0706	230.1499	115.5786	2
18					K	147.1128	74.0600	130.0863	65.5468			1

PIP12 (loopC) 1Dea



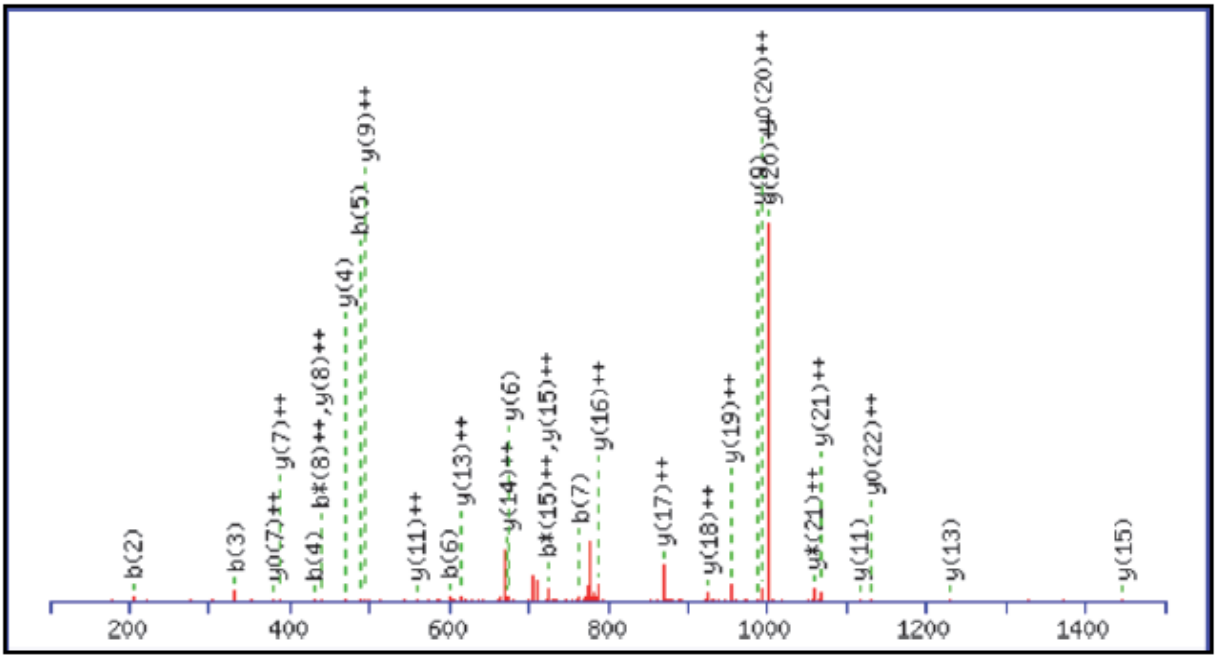
Monoisotopic mass of neutral peptide Mr (calc): 1849.8959
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N10: deamidated (NQ)
Ions Score: 67
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	129.0659	65.0366	112.0393	56.5233			Q							18
2	292.1292	146.5682	275.1026	138.0550			Y	1722.8446	861.9259	1705.8180	853.4126	1704.8340	852.9206	17
3	420.1878	210.5975	403.1612	202.0842			Q	1559.7812	780.3943	1542.7547	771.8810	1541.7707	771.3890	16
4	491.2249	246.1161	474.1983	237.6028			A	1431.7227	716.3650	1414.6961	707.8517	1413.7121	707.3597	15
5	604.3089	302.6581	587.2824	294.1448			L	1360.6856	680.8464	1343.6590	672.3331	1342.6750	671.8411	14
6	661.3304	331.1688	644.3039	322.6556			G	1247.6015	624.3044	1230.5749	615.7911	1229.5909	615.2991	13
7	718.3519	359.6796	701.3253	351.1663			G	1190.5800	595.7936	1173.5535	587.2804	1172.5695	586.7884	12
8	775.3733	388.1903	758.3468	379.6770			G	1133.5586	567.2829	1116.5320	558.7696	1115.5480	558.2776	11
9	846.4104	423.7089	829.3839	415.1956			A	1076.5371	538.7722	1059.5105	530.2589	1058.5265	529.7669	10
10	961.4374	481.2223	944.4108	472.7091			N	1005.5000	503.2536	988.4734	494.7404	987.4894	494.2483	9
11	1062.4851	531.7462	1045.4585	523.2329	1044.4745	522.7409	T	890.4730	445.7402	873.4465	437.2269	872.4625	436.7349	8
12	1175.5691	588.2882	1158.5426	579.7749	1157.5586	579.2829	I	789.4254	395.2163	772.3988	386.7030	771.4148	386.2110	7
13	1246.6062	623.8068	1229.5797	615.2935	1228.5957	614.8015	A	676.3413	338.6743	659.3148	330.1610	658.3307	329.6690	6
14	1383.6652	692.3362	1366.6386	683.8229	1365.6546	683.3309	H	605.3042	303.1557	588.2776	294.6425	587.2936	294.1504	5
15	1440.6866	720.8469	1423.6601	712.3337	1422.6760	711.8417	G	468.2453	234.6263	451.2187	226.1130	450.2347	225.6210	4
16	1603.7499	802.3786	1586.7234	793.8653	1585.7394	793.3733	Y	411.2238	206.1155	394.1973	197.6023	393.2132	197.1103	3
17	1704.7976	852.9024	1687.7711	844.3892	1686.7871	843.8972	T	248.1605	124.5839	231.1339	116.0706	230.1499	115.5786	2
18							K	147.1128	74.0600	130.0863	65.5468			1



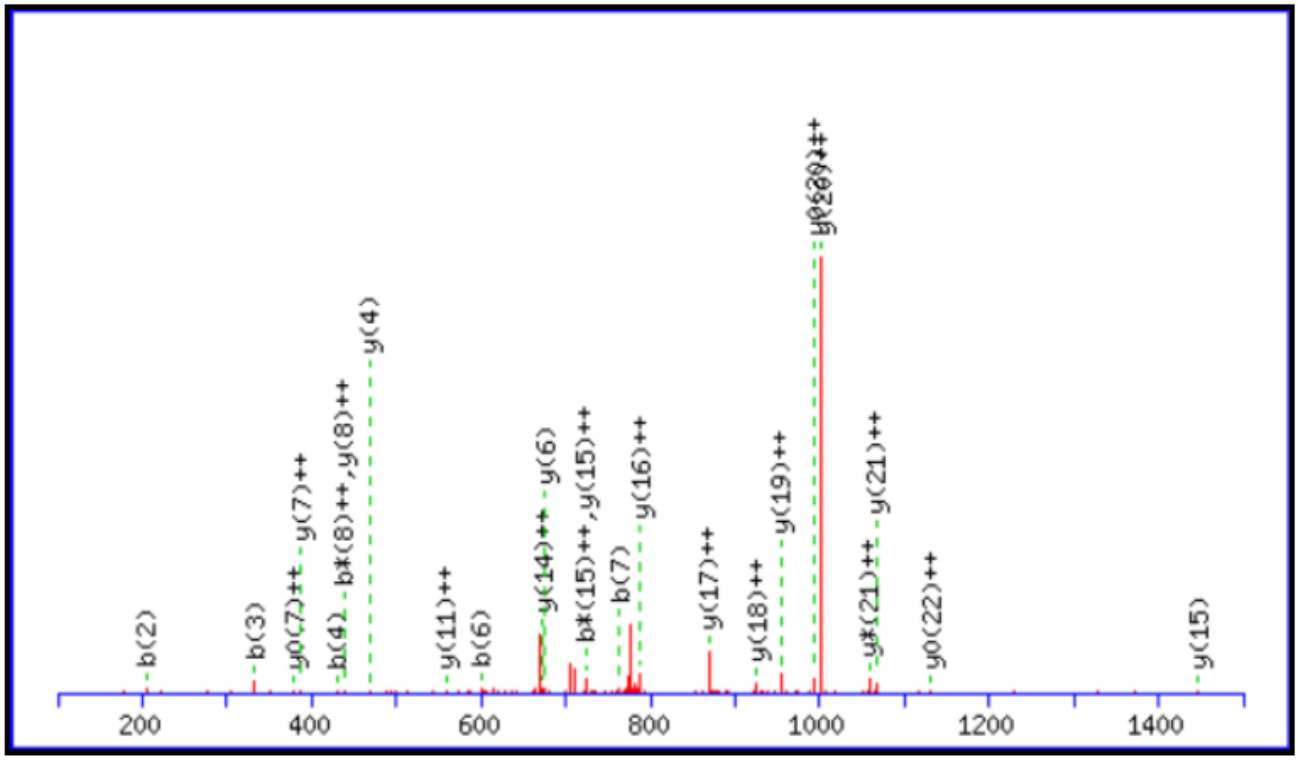
Monoisotopic mass of neutral peptide Mr (calc): 2236.1186
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
Q3: deamidated (NQ)
Ions Score: 90
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	58.0287	29.5180					G							23
2	**205.0972**	103.0522					F	2280.1044	1140.5558	2263.0778	1132.0425	2262.0938	**1131.5505**	22
3	334.1397	167.5735	317.1132	159.0602			Q	2133.0360	1067.0216	2116.0094	1058.5083	2115.0254	**1058.0163**	21
4	**431.1925**	216.0999	414.1660	207.5866			P	2003.9934	**1002.5003**	1986.9668	993.9870	1985.9828	**993.4950**	20
5	488.2140	244.6106	471.1874	236.0973			G	1906.9406	**953.9739**	1889.9141	**945.4607**	1888.9300	944.9687	19
6	601.2980	301.1527	584.2715	292.6394			L	1849.9191	**925.4632**	1832.8926	916.9499	1831.9086	916.4579	18
7	764.3614	382.6843	747.3348	374.1710			Y	1736.8351	**868.9212**	1719.8085	860.4079	1718.8245	**859.9159**	17
8	892.4199	446.7136	875.3934	438.2003			Q	1573.7717	**787.3895**	1556.7452	778.8762	1555.7612	**778.3842**	16
9	**993.4676**	497.2374	976.4411	488.7242	975.4571	488.2322	T	**1445.7132**	**723.3602**	1428.6866	714.8469	1427.7026	714.3549	15
10	1107.5105	554.2589	1090.4840	545.7456	1089.5000	545.2536	N	**1344.6655**	**672.8364**	1327.6389	**664.3231**	1326.6549	663.8311	14
11	1164.5320	582.7696	1147.5055	574.2564	1146.5214	573.7644	G	**1230.6226**	**615.8149**	1213.5960	607.3016	1212.6120	606.8096	13
12	1221.5535	611.2804	1204.5269	602.7671	1203.5429	602.2751	G	1173.6011	**587.3042**	1156.5745	578.7909	1155.5905	578.2989	12
13	1278.5749	639.7911	1261.5484	631.2778	1260.5644	630.7858	G	1116.5796	**558.7935**	1099.5531	550.2802	1098.5691	549.7882	11
14	1349.6121	675.3097	1332.5855	666.7964	1331.6015	666.3044	A	1059.5582	530.2827	1042.5316	521.7694	1041.5476	521.2774	10
15	1463.6550	732.3311	1446.6284	723.8179	1445.6444	**723.3258**	N	**988.5211**	**494.7642**	971.4945	486.2509	970.5105	485.7589	9
16	1562.7234	781.8653	1545.6968	773.3521	1544.7128	772.8601	V	**874.4781**	437.7427	857.4516	**429.2294**	856.4676	428.7374	8
17	1661.7918	831.3995	1644.7653	822.8863	1643.7812	822.3943	V	**775.4097**	**388.2085**	758.3832	379.6952	757.3992	**379.2032**	7
18	1732.8289	866.9181	1715.8024	858.4048	1714.8184	857.9128	A	**676.3413**	**338.6743**	659.3148	330.1610	658.3307	329.6690	6
19	1869.8878	935.4476	1852.8613	926.9343	1851.8773	926.4423	H	**605.3042**	**303.1557**	588.2776	294.6425	**587.2936**	294.1504	5
20	1926.9093	963.9583	1909.8827	955.4450	1908.8987	954.9530	G	**468.2453**	234.6263	451.2187	226.1130	450.2347	225.6210	4
21	2089.9726	1045.4900	2072.9461	1036.9767	2071.9621	1036.4847	Y	**411.2238**	206.1155	394.1973	197.6023	393.2132	197.1103	3
22	2191.0203	1096.0138	2173.9938	1087.5005	2173.0097	1087.0085	T	**248.1605**	124.5839	231.1339	116.0706	230.1499	115.5786	2
23							K	**147.1128**	74.0600	130.0863	65.5468			1



Monoisotopic mass of neutral peptide Mr (calc): 2336.1186
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N10: deamidated (NQ)
Ions Score: 75
Bold red: Matches

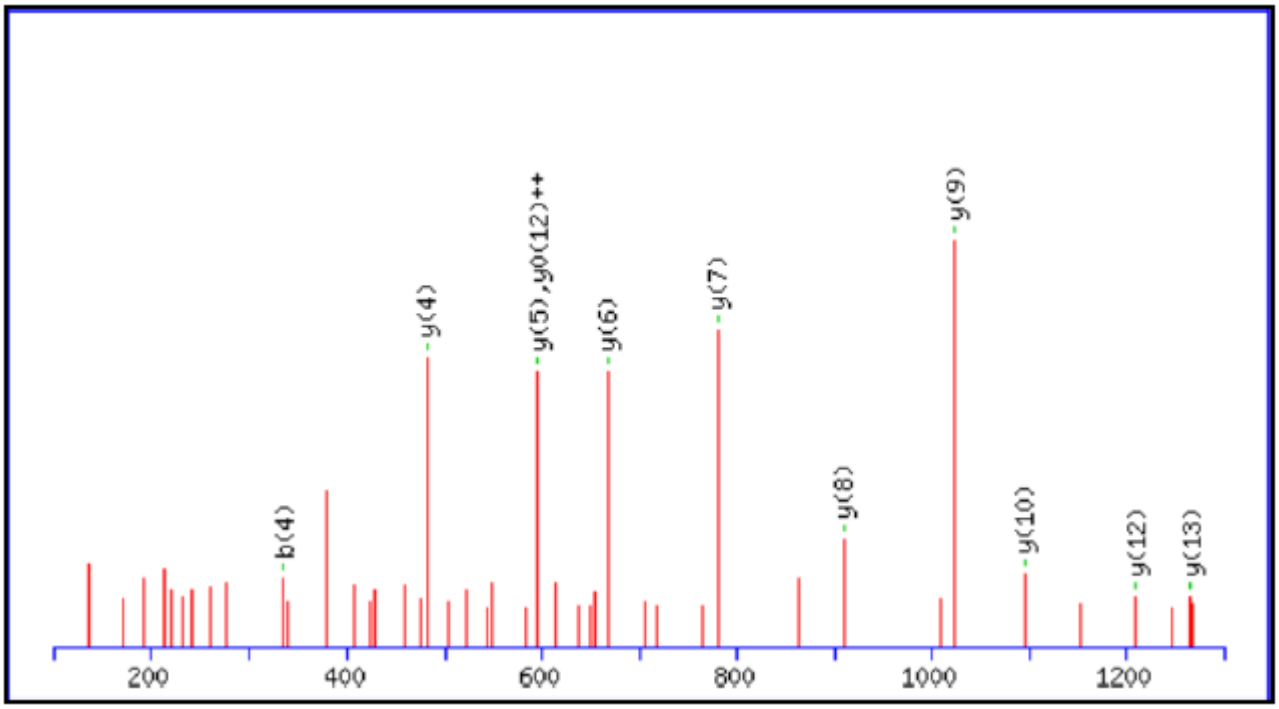
#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	58.0287	29.5180					G							23
2	**205.0972**	103.0522					F	2280.1044	1140.5558	2263.0778	1132.0425	2262.0938	**1131.5505**	22
3	**333.1557**	167.0815	316.1292	158.5682			Q	2133.0360	**1067.0216**	2116.0094	**1058.5083**	2115.0254	1058.0163	21
4	**430.2085**	215.6079	413.1819	207.0946			P	2004.9774	**1002.9923**	1987.9508	994.4791	1986.9668	**993.9870**	20
5	**487.2300**	244.1186	470.2034	235.6053			G	1907.9246	**954.4659**	1890.8981	945.9527	1889.9140	945.4607	19
6	**600.3140**	300.6607	583.2875	292.1474			L	1850.9031	**925.9552**	1833.8766	917.4419	1832.8926	916.9499	18
7	**763.3774**	382.1923	746.3508	373.6790			Y	1737.8191	**869.4132**	1720.7925	860.8999	1719.8085	860.4079	17
8	891.4359	446.2216	874.4094	**437.7083**			Q	1574.7558	**787.8815**	1557.7292	779.3682	1556.7452	778.8762	16
9	992.4836	496.7454	975.4571	488.2322	974.4730	487.7402	T	**1446.6972**	**723.8522**	1429.6706	715.3390	1428.6866	714.8469	15
10	1107.5105	554.2589	1090.4840	545.7456	1089.5000	545.2536	N	1345.6495	**673.3284**	1328.6229	664.8151	1327.6389	664.3231	14
11	1164.5320	582.7696	1147.5055	574.2564	1146.5214	573.7644	G	**1230.6226**	**615.8149**	1213.5960	607.3016	1212.6120	606.8096	13
12	1221.5535	611.2804	1204.5269	602.7671	1203.5429	602.2751	G	1173.6011	587.3042	1156.5745	578.7909	1155.5905	578.2989	12
13	1278.5749	639.7911	1261.5484	631.2778	1260.5644	630.7858	G	**1116.5796**	**558.7935**	1099.5531	550.2802	1098.5691	549.7882	11
14	1349.6121	675.3097	1332.5855	666.7964	1331.6015	666.3044	A	1059.5582	530.2827	1042.5316	521.7694	1041.5476	521.2774	10
15	1463.6550	732.3311	1446.6284	**723.8179**	1445.6444	723.3258	N	**988.5211**	**494.7642**	971.4945	486.2509	970.5105	485.7589	9
16	1562.7234	781.8653	1545.6968	773.3521	1544.7128	772.8601	V	874.4781	**437.7427**	857.4516	429.2294	856.4676	428.7374	8
17	1661.7918	831.3995	1644.7653	822.8863	1643.7812	822.3943	V	775.4097	**388.2085**	758.3832	379.6952	757.3992	**379.2032**	7
18	1732.8289	866.9181	1715.8024	858.4048	1714.8184	857.9128	A	**676.3413**	338.6743	659.3148	330.1610	658.3307	329.6690	6
19	1869.8878	935.4476	1852.8613	926.9343	1851.8773	926.4423	H	605.3042	303.1557	588.2776	294.6425	587.2936	294.1504	5
20	1926.9093	963.9583	1909.8827	955.4450	1908.8987	954.9530	G	**468.2453**	234.6263	451.2187	226.1130	450.2347	225.6210	4
21	2089.9726	1045.4900	2072.9461	1036.9767	2071.9621	1036.4847	Y	411.2238	206.1155	394.1973	197.6023	393.2132	197.1103	3
22	2191.0203	1096.0138	2173.9938	1087.5005	2173.0097	1087.0085	T	248.1605	124.5839	231.1339	116.0706	230.1499	115.5786	2
23							K	147.1128	74.0600	130.0863	65.5468			1



Monoisotopic mass of neutral peptide Mr (calc): 2336.1186
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N15: deamidated (NQ)
Ions Score: 54
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	58.0287	29.5180					G							23
2	**205.0972**	103.0522					F	2280.1044	1140.5558	2263.0778	1132.0425	2262.0938	**1131.5505**	22
3	**333.1557**	167.0815	316.1292	158.5682			Q	2133.0360	**1067.0216**	2116.0094	**1058.5083**	2115.0254	1058.0163	21
4	**430.2085**	215.6079	413.1819	207.0946			P	2004.9774	**1002.9923**	1987.9508	994.4791	1986.9668	**993.9870**	20
5	487.2300	244.1186	470.2034	235.6053			G	1907.9246	**954.4659**	1890.8981	945.9527	1889.9140	945.4607	19
6	**600.3140**	300.6607	583.2875	292.1474			L	1850.9031	**925.9552**	1833.8766	917.4419	1832.8926	916.9499	18
7	**763.3774**	382.1923	746.3508	373.6790			Y	1737.8191	**869.4132**	1720.7925	860.8999	1719.8085	860.4079	17
8	891.4359	446.2216	874.4094	**437.7083**			Q	1574.7558	**787.8815**	1557.7292	779.3682	1556.7452	778.8762	16
9	992.4836	496.7454	975.4571	488.2322	974.4730	487.7402	T	**1446.6972**	**723.8522**	1429.6706	715.3390	1428.6866	714.8469	15
10	1106.5265	553.7669	1089.5000	545.2536	1088.5160	544.7616	N	1345.6495	**673.3284**	1328.6229	664.8151	1327.6389	664.3231	14
11	1163.5480	582.2776	1146.5215	573.7644	1145.5374	573.2724	G	1231.6066	616.3069	1214.5800	607.7936	1213.5960	607.3016	13
12	1220.5695	610.7884	1203.5429	602.2751	1202.5589	601.7831	G	1174.5851	587.7962	1157.5586	579.2829	1156.5745	578.7909	12
13	1277.5909	639.2991	1260.5644	630.7858	1259.5804	630.2938	G	1117.5636	**559.2855**	1100.5371	550.7722	1099.5531	550.2802	11
14	1348.6280	674.8177	1331.6015	666.3044	1330.6175	665.8124	A	1060.5422	530.7747	1043.5156	522.2615	1042.5316	521.7694	10
15	1463.6550	732.3311	1446.6284	**723.8179**	1445.6444	723.3258	N	989.5051	495.2562	972.4785	486.7429	971.4945	486.2509	9
16	1562.7234	781.8653	1545.6968	773.3521	1544.7128	772.8601	V	874.4781	**437.7427**	857.4516	429.2294	856.4676	428.7374	8
17	1661.7918	831.3995	1644.7653	822.8863	1643.7812	822.3943	V	775.4097	**388.2085**	758.3832	379.6952	757.3992	**379.2032**	7
18	1732.8289	866.9181	1715.8024	858.4048	1714.8184	857.9128	A	**676.3413**	338.6743	659.3148	330.1610	658.3307	329.6690	6
19	1869.8878	935.4476	1852.8613	926.9343	1851.8773	926.4423	H	605.3042	303.1557	588.2776	294.6425	587.2936	294.1504	5
20	1926.9093	963.9583	1909.8827	955.4450	1908.8987	954.9530	G	**468.2453**	234.6263	451.2187	226.1130	450.2347	225.6210	4
21	2089.9726	1045.4900	2072.9461	1036.9767	2071.9621	1036.4847	Y	411.2238	206.1155	394.1973	197.6023	393.2132	197.1103	3
22	2191.0203	1096.0138	2173.9938	1087.5005	2173.0097	1087.0085	T	248.1605	124.5839	231.1339	116.0706	230.1499	115.5786	2
23							K	147.1128	74.0600	130.0863	65.5468			1

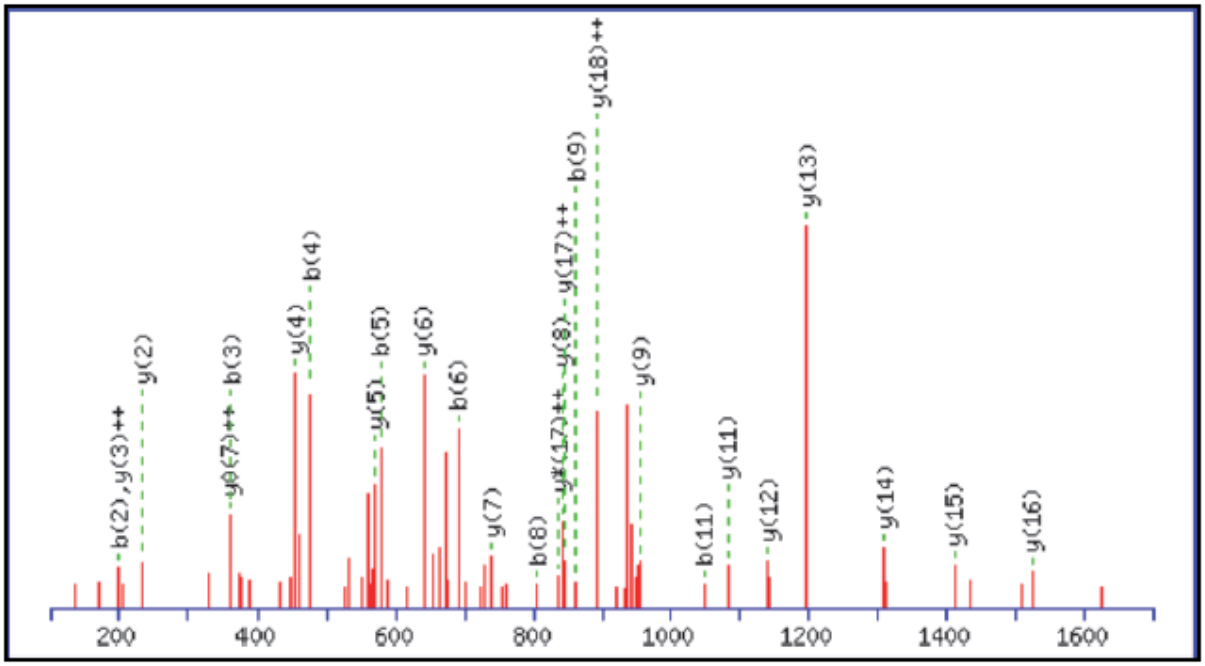
PIP24 (loopC) 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1428.6157
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N6: deamidated (NQ)
Ions Score: 86
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	164.0706	82.5389					Y							14
2	221.0921	111.0497					G	**1266.5597**	633.7835	1249.5331	625.2702	1248.5491	624.7782	13
3	278.1135	139.5604					G	**1209.5382**	605.2727	1192.5117	596.7595	1191.5277	**596.2675**	12
4	**335.1350**	168.0711					G	1152.5168	576.7620	1135.4902	568.2487	1134.5062	567.7567	11
5	406.1721	203.5897					A	**1095.4953**	548.2513	1078.4687	539.7380	1077.4847	539.2460	10
6	521.1990	261.1032	504.1725	252.5899			N	**1024.4582**	512.7327	1007.4316	504.2195	1006.4476	503.7274	9
7	650.2416	325.6245	633.2151	317.1112	632.2311	316.6192	E	**909.4312**	455.2193	892.4047	446.7060	891.4207	446.2140	8
8	763.3257	382.1665	746.2992	373.6532	745.3151	373.1612	L	**780.3886**	390.6980	763.3621	382.1847	762.3781	381.6927	7
9	834.3628	417.6850	817.3363	409.1718	816.3523	408.6798	A	**667.3046**	334.1559	650.2780	325.6427	649.2940	325.1506	6
10	949.3898	475.1985	932.3632	466.6852	931.3792	466.1932	D	**596.2675**	298.6374	579.2409	290.1241	578.2569	289.6321	5
11	1006.4112	503.7093	989.3847	495.1960	988.4007	494.7040	G	**481.2405**	241.1239	464.2140	232.6106			4
12	1169.4746	585.2409	1152.4480	576.7276	1151.4640	576.2356	Y	424.2191	212.6132	407.1925	204.0999			3
13	1283.5175	642.2624	1266.4909	633.7491	1265.5069	633.2571	N	261.1557	131.0815	244.1292	122.5682			2
14							K	147.1128	74.0600	130.0863	65.5468			1

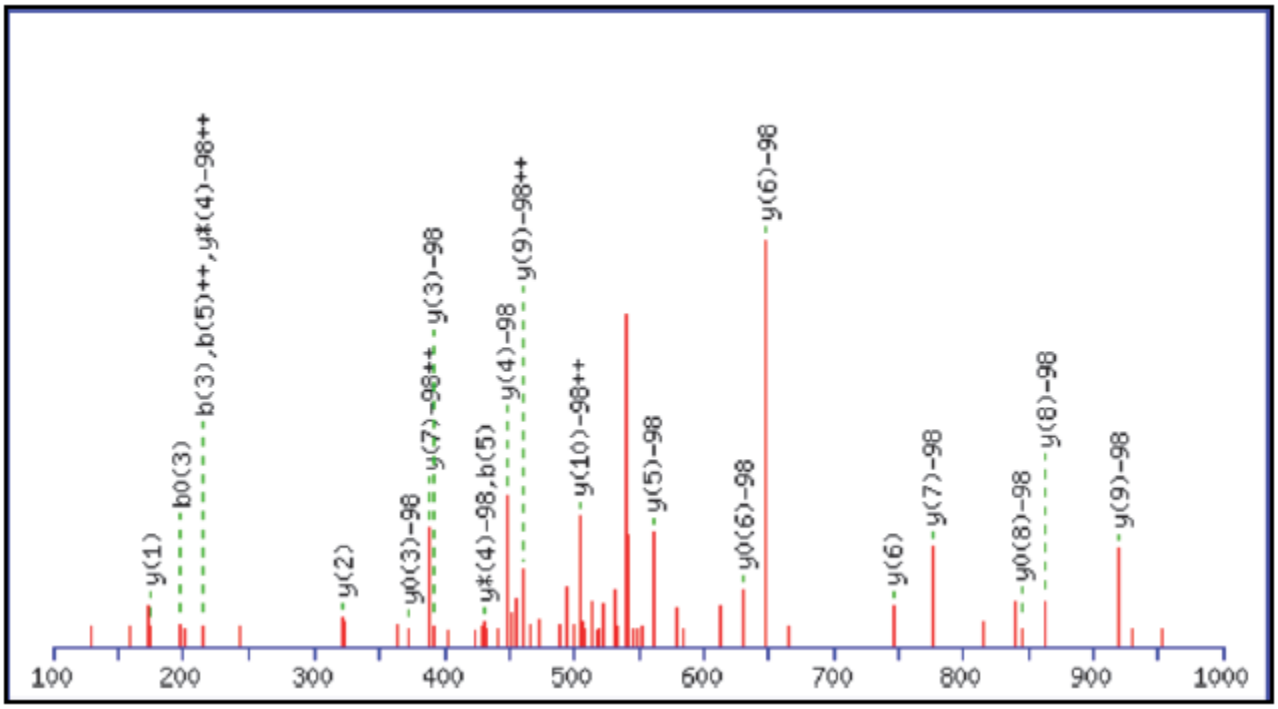
PIP27 (loopC) 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1885.8694
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
N11: deamidated (NQ)
Ions Score: 101
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	102.0550	51.5311			84.0444	42.5258	T							19
2	**199.1077**	100.0575			181.0972	91.0522	P	1785.8290	**893.4181**	1768.8024	884.9049	1767.8184	884.4128	18
3	**362.1710**	181.5892			344.1605	172.5839	Y	1688.7762	**844.8917**	1671.7497	**836.3785**	1670.7657	835.8865	17
4	**476.2140**	238.6106	459.1874	230.0974	458.2034	229.6053	N	**1525.7129**	763.3601	1508.6863	754.8468	1507.7023	754.3548	16
5	**577.2617**	289.1345	560.2351	280.6212	559.2511	280.1292	T	**1411.6700**	706.3386	1394.6434	697.8253	1393.6594	697.3333	15
6	**690.3457**	345.6765	673.3192	337.1632	672.3352	336.6712	L	**1310.6223**	655.8148	1293.5957	647.3015	1292.6117	646.8095	14
7	747.3672	374.1872	730.3406	365.6740	729.3566	365.1819	G	**1197.5382**	599.2727	1180.5117	590.7595	1179.5277	590.2675	13
8	**804.3886**	402.6980	787.3621	394.1847	786.3781	393.6927	G	**1140.5168**	570.7620	1123.4902	562.2487	1122.5062	561.7567	12
9	**861.4101**	431.2087	844.3836	422.6954	843.3995	422.2034	G	**1083.4953**	542.2513	1066.4687	533.7380	1065.4847	533.2460	11
10	932.4472	466.7273	915.4207	458.2140	914.4367	457.7220	A	1026.4738	513.7406	1009.4473	505.2273	1008.4633	504.7353	10
11	**1047.4742**	524.2407	1030.4476	515.7274	1029.4636	515.2354	N	**955.4367**	478.2220	938.4102	469.7087	937.4261	469.2167	9
12	1148.5218	574.7646	1131.4953	566.2513	1130.5113	565.7593	T	**840.4098**	420.7085	823.3832	412.1953	822.3992	411.7032	8
13	1247.5903	624.2988	1230.5637	615.7855	1229.5797	615.2935	V	**739.3621**	370.1847	722.3355	361.6714	721.3515	**361.1794**	7
14	1318.6274	659.8173	1301.6008	651.3040	1300.6168	650.8120	A	**640.2937**	320.6505	623.2671	312.1372	622.2831	311.6452	6
15	1433.6543	717.3308	1416.6278	708.8175	1415.6437	708.3255	D	**569.2566**	285.1319	552.2300	276.6186	551.2460	276.1266	5
16	1490.6758	745.8415	1473.6492	737.3283	1472.6652	736.8362	G	**454.2296**	227.6185	437.2031	219.1052	436.2191	218.6132	4
17	1653.7391	827.3732	1636.7126	818.8599	1635.7285	818.3679	Y	397.2082	**199.1077**	380.1816	190.5944	379.1976	190.1024	3
18	1740.7711	870.8892	1723.7446	862.3759	1722.7606	861.8839	S	**234.1448**	117.5761	217.1183	109.0628	216.1343	108.5708	2
19							K	147.1128	74.0600	130.0863	65.5468			1

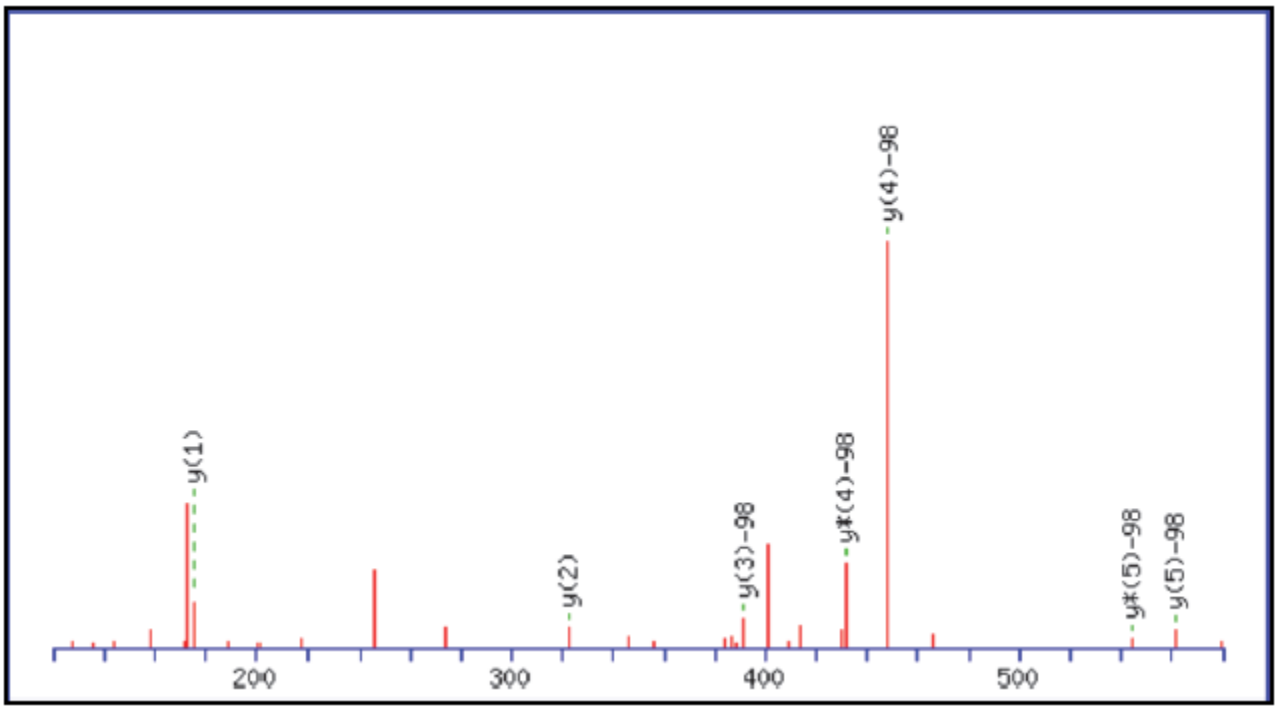
PIP21 (272-282) 1P



Monoisotopic mass of neutral peptide Mr (calc): 1740.7720
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S9: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 69
Bold red: Matches

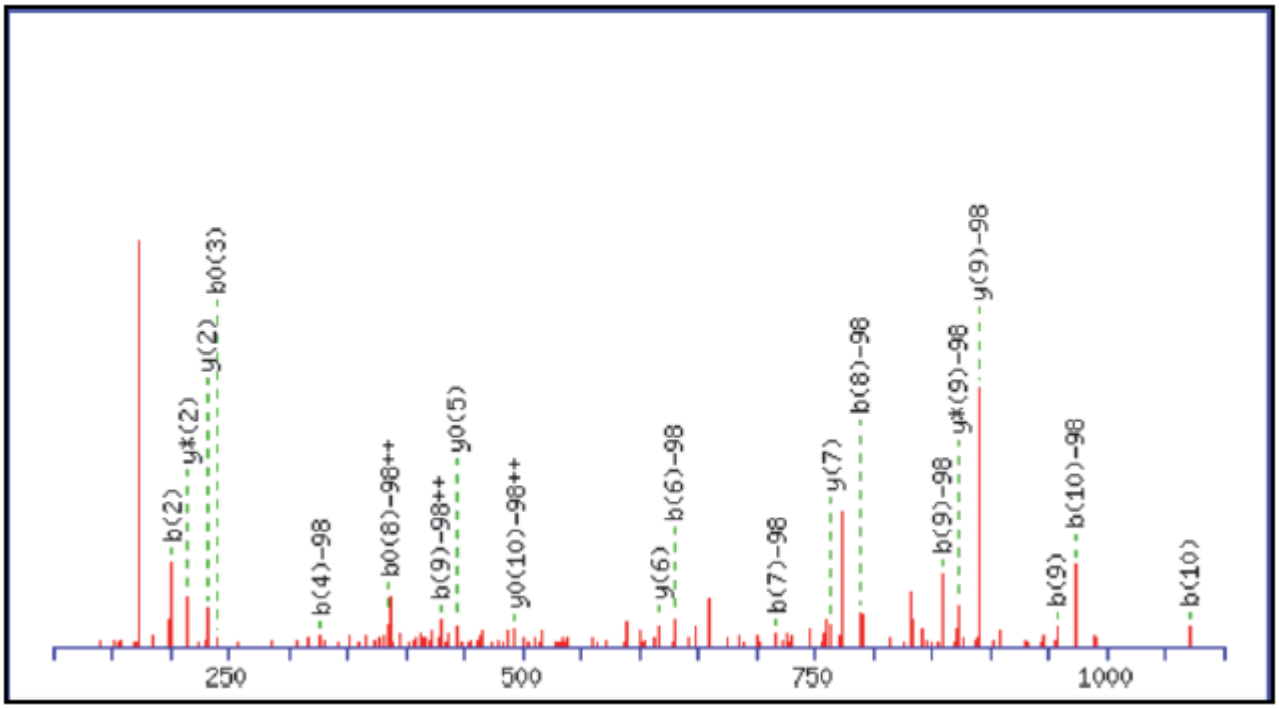
#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	159.0764	80.0418			141.0659	71.0366	S	1007.5269	504.2671	990.5003	495.7538	989.5163	495.2618	10
3	216.0979	108.5526			198.0873	99.5473	G	920.4948	460.7511	903.4683	452.2378	902.4843	451.7458	9
4	303.1299	152.0686			285.1193	143.0633	S	863.4734	432.2403	846.4468	423.7270	845.4628	423.2350	8
5	431.2249	216.1161	414.1983	207.6028	413.2143	207.1108	K	776.4413	388.7243	759.4148	380.2110	758.4308	379.7190	7
6	518.2569	259.6321	501.2304	251.1188	500.2463	250.6268	S	648.3464	324.6768	631.3198	316.1636	630.3358	315.6715	6
7	631.3410	316.1741	614.3144	307.6608	613.3304	307.1688	L	561.3144	281.1608	544.2878	272.6475	543.3038	272.1555	5
8	688.3624	344.6849	671.3359	336.1716	670.3519	335.6796	G	448.2303	224.6188	431.2037	216.1055	430.2197	215.6135	4
9	757.3839	379.1956	740.3573	370.6823	739.3733	370.1903	S	391.2088	196.1080	374.1823	187.5948	373.1983	187.1028	3
10	904.4523	452.7298	887.4257	444.2165	886.4417	443.7245	F	322.1874	161.5973	305.1608	153.0840			2
11							R	175.1190	88.0631	158.0924	79.5498			1

PIP21 (277-282) 1P



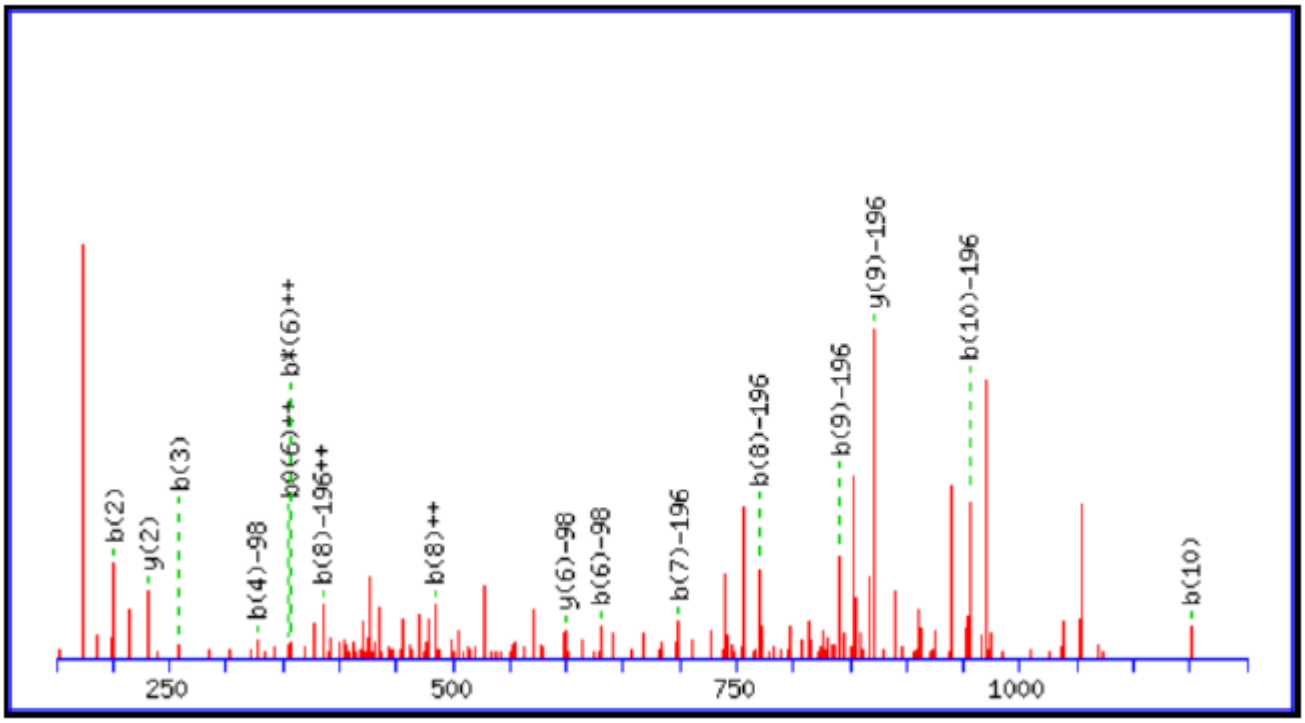
Monoisotopic mass of neutral peptide Mr (calc): 745.3160
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 44
Bold red: Matches

#	b	b^{++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233	70.0287	35.5180	S							6
2	201.1234	101.0653	183.1128	92.0600	L	**561.3144**	281.1608	**544.2878**	272.6475	543.3038	272.1555	5
3	258.1448	129.5761	240.1343	120.5708	G	**448.2303**	224.6188	**431.2037**	216.1055	430.2197	215.6135	4
4	327.1663	164.0868	309.1557	155.0815	S	**391.2088**	196.1080	374.1823	187.5948	373.1983	187.1028	3
5	474.2347	237.6210	456.2241	228.6157	F	**322.1874**	161.5973	305.1608	153.0840			2
6					R	**175.1190**	88.0631	158.0924	79.5498			1



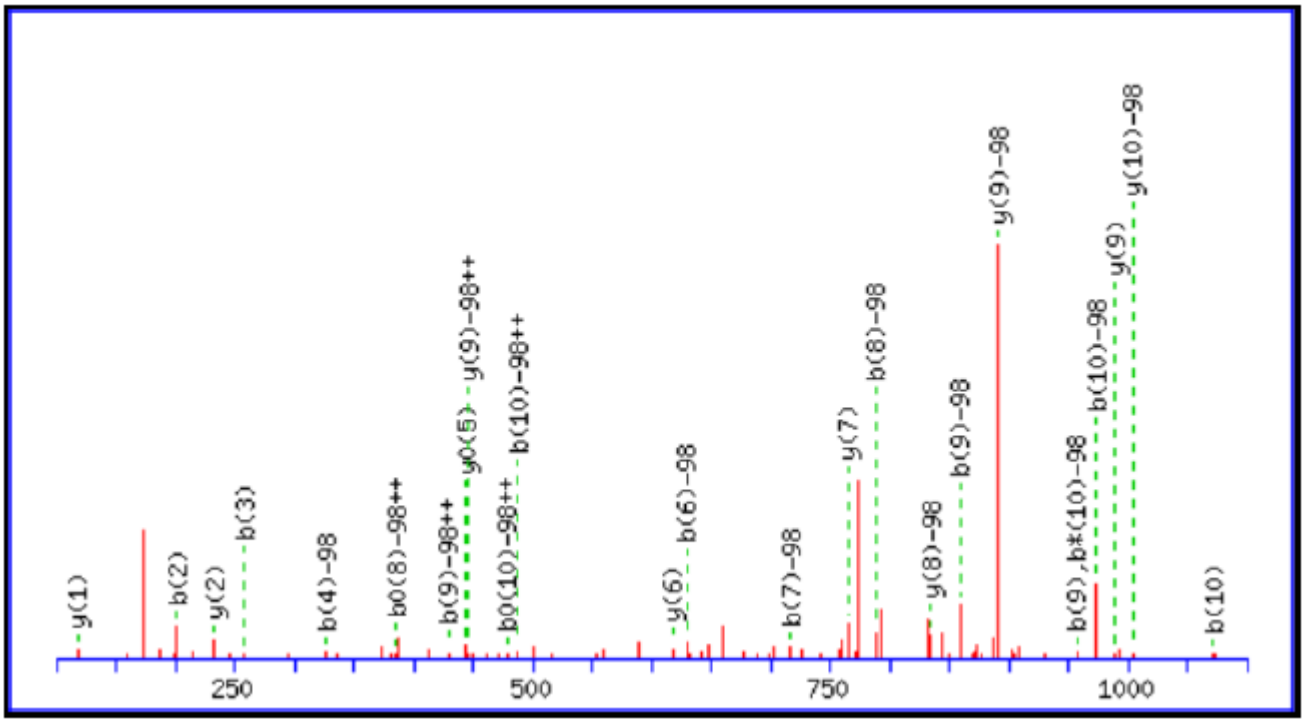
Monoisotopic mass of neutral peptide Mr (calc): 1187.5336
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 46
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233			70.0287	35.5180	S							11
2	**201.1234**	101.0653			183.1128	92.0600	L	1003.5319	502.2696	986.5054	493.7563	985.5214	**493.2643**	10
3	258.1448	129.5761			**240.1343**	120.5708	G	**890.4479**	445.7276	**873.4213**	437.2143	872.4373	436.7223	9
4	**327.1663**	164.0868			309.1557	155.0815	S	833.4264	417.2168	816.3999	408.7036	815.4159	408.2116	8
5	474.2347	237.6210			456.2241	228.6157	F	**764.4050**	382.7061	747.3784	374.1928	746.3944	373.7008	7
6	**630.3358**	315.6715	613.3093	307.1583	612.3252	306.6663	R	**617.3365**	309.1719	600.3100	300.6586	599.3260	300.1666	6
7	**717.3678**	359.1876	700.3413	350.6743	699.3573	350.1823	S	461.2354	231.1214	444.2089	222.6081	**443.2249**	222.1161	5
8	**788.4050**	394.7061	771.3784	386.1928	770.3944	**385.7008**	A	374.2034	187.6053	357.1769	179.0921			4
9	**859.4421**	**430.2247**	842.4155	421.7114	841.4315	421.2194	A	303.1663	152.0868	286.1397	143.5735			3
10	**973.4850**	487.2461	956.4584	478.7329	955.4744	478.2409	N	**232.1292**	116.5682	**215.1026**	108.0550			2
11							V	118.0863	59.5468					1



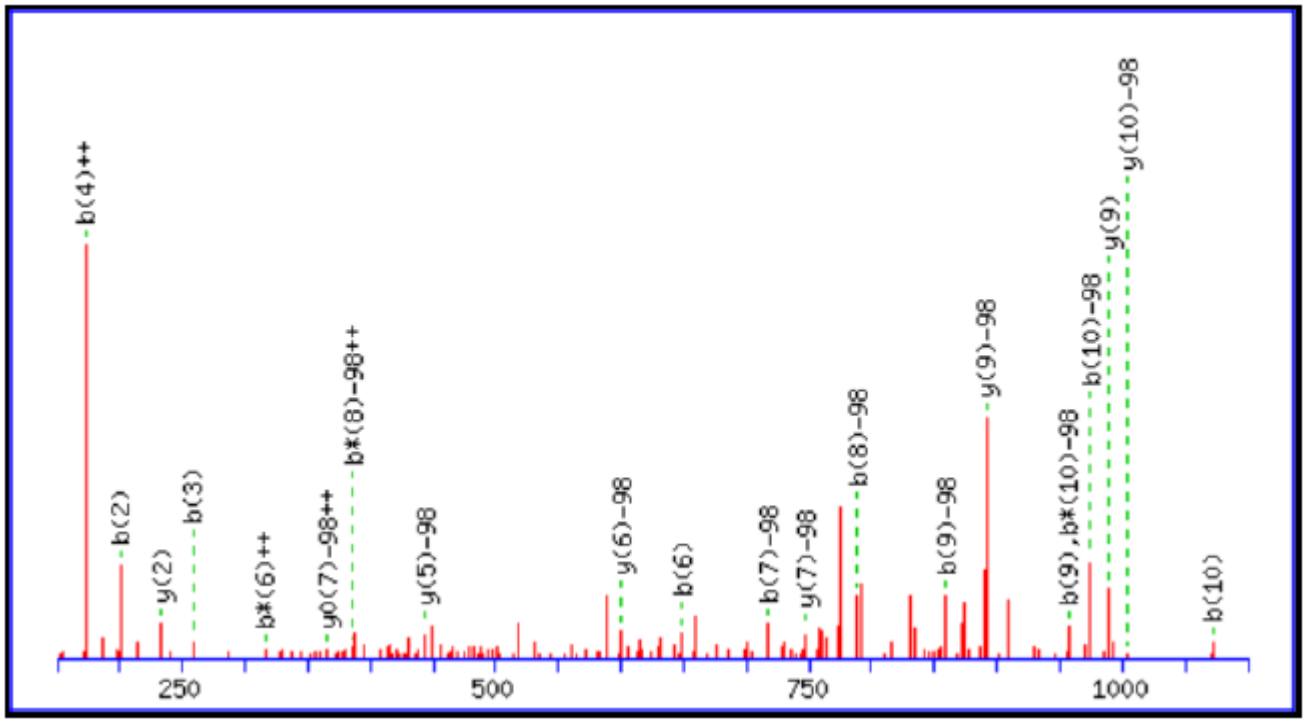
Monoisotopic mass of neutral peptide Mr (calc): 1267.4999
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score:47
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233			70.0287	35.5180	S							11
2	**201.1234**	101.0653			183.1128	92.0600	L	985.5214	493.2643	968.4948	484.7511	967.5108	484.2590	10
3	**258.1448**	129.5761			240.1343	120.5708	G	**872.4373**	436.7223	855.4108	428.2090	854.4267	427.7170	9
4	**327.1663**	164.0868			309.1557	155.0815	S	815.4158	408.2116	798.3893	399.6983	797.4053	399.2063	8
5	474.2347	237.6210			456.2241	228.6157	F	746.3944	373.7008	729.3678	365.1876	728.3838	364.6956	7
6	**630.3358**	315.6715	613.3093	307.1583	612.3252	306.6663	R	**599.3260**	300.1666	582.2994	291.6534	581.3154	291.1613	6
7	**699.3573**	350.1823	682.3307	341.6690	681.3467	341.1770	S	443.2249	222.1161	426.1983	213.6028	425.2143	213.1108	5
8	**770.3944**	**385.7008**	753.3678	377.1876	752.3838	376.6955	A	374.2034	187.6053	357.1769	179.0921			4
9	**841.4315**	421.2194	824.4049	412.7061	823.4209	412.2141	A	303.1663	152.0868	286.1397	143.5735			3
10	**955.4744**	478.2408	938.4479	469.7276	937.4639	469.2356	N	**232.1292**	116.5682	215.1026	108.0550			2
11							V	118.0863	59.5468					1



Monoisotopic mass of neutral peptide Mr (calc): 1188.5176
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
N10: Deamidated (NQ)
Ions Score: 48
Bold red: Matches

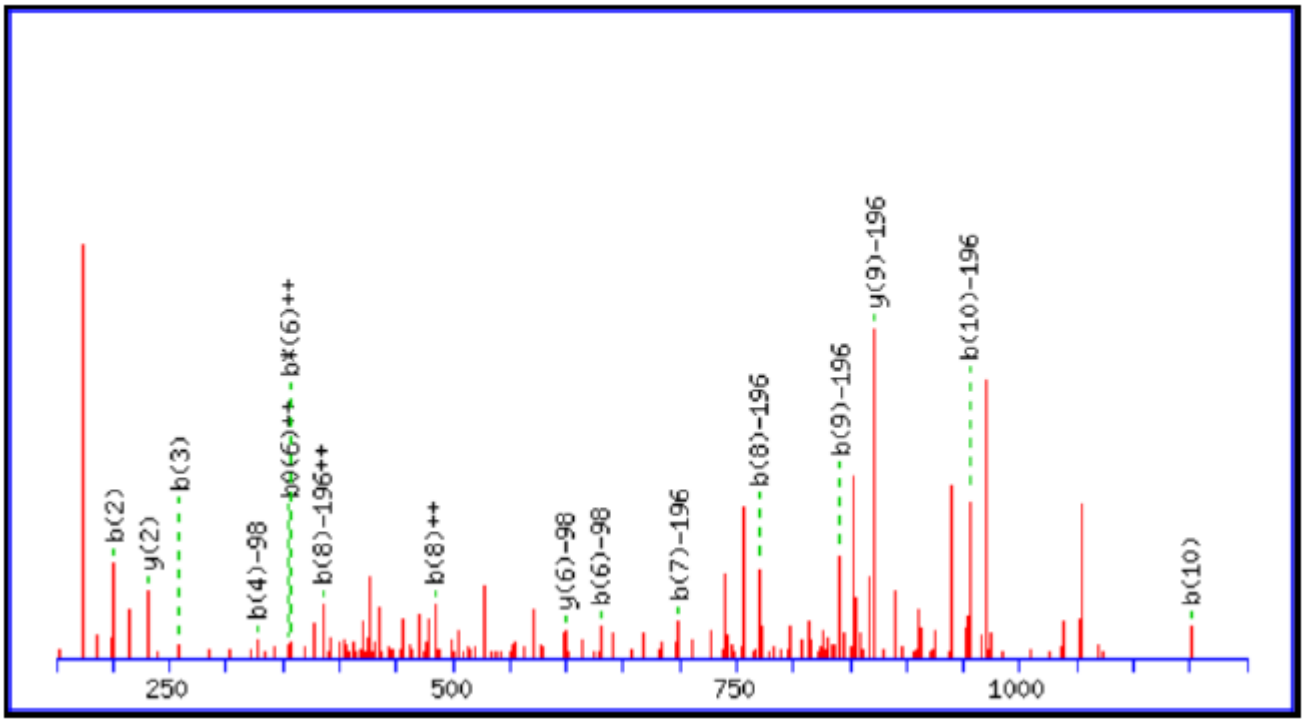
#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233			70.0287	35.5180	S							11
2	**201.1234**	101.0653			183.1128	92.0600	L	**1004.5160**	502.7616	987.4894	494.2483	986.5054	493.7563	10
3	**258.1448**	129.5761			240.1343	120.5708	G	**891.4319**	**446.2196**	874.4053	437.7063	873.4213	437.2143	9
4	**327.1663**	164.0868			309.1557	155.0815	S	**834.4104**	417.7089	817.3839	409.1956	816.3999	408.7036	8
5	474.2347	237.6210			456.2241	228.6157	F	**765.3890**	383.1981	748.3624	374.6848	747.3784	374.1928	7
6	**630.3358**	315.6715	613.3093	307.1583	612.3252	306.6663	R	**618.3206**	309.6639	601.2940	301.1506	600.3100	300.6586	6
7	**717.3678**	359.1876	700.3413	350.6743	699.3573	350.1823	S	462.2194	231.6134	445.1929	223.1001	**444.2089**	222.6081	5
8	**788.4050**	394.7061	771.3784	386.1928	770.3944	**385.7008**	A	375.1874	188.0973	358.1609	179.5841			4
9	**859.4421**	**430.2247**	842.4155	421.7114	841.4315	421.2194	A	304.1503	152.5788	287.1238	144.0655			3
10	**974.4690**	**487.7381**	**957.4425**	479.2249	956.4584	**478.7329**	N	**233.1132**	117.0602	216.0866	108.5470			2
11							V	**118.0863**	59.5468					1



Monoisotopic mass of neutral peptide Mr (calc): 1188.5176
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
N10: Deamidated (NQ)
Ions Score: 48
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233			70.0287	35.5180	S							11
2	**201.1234**	101.0653			183.1128	92.0600	L	**1004.5160**	502.7616	987.4894	494.2483	986.5054	493.7563	10
3	**258.1448**	129.5761			240.1343	120.5708	G	**891.4319**	446.2196	874.4053	437.7063	873.4213	437.2143	9
4	345.1769	**173.0921**			327.1663	164.0868	S	834.4104	417.7089	817.3839	409.1956	816.3999	408.7036	8
5	492.2453	246.6263			474.2347	237.6210	F	**747.3784**	374.1928	730.3519	365.6796	729.3678	**365.1876**	7
6	**648.3464**	324.6768	631.3198	**316.1636**	630.3358	315.6715	R	**600.3100**	300.6586	583.2834	292.1454	582.2994	291.6533	6
7	**717.3678**	359.1876	700.3413	350.6743	699.3573	350.1823	S	**444.2089**	222.6081	427.1823	214.0948	426.1983	213.6028	5
8	**788.4050**	394.7061	771.3784	**386.1928**	770.3944	385.7008	A	375.1874	188.0973	358.1609	179.5841			4
9	**859.4421**	430.2247	842.4155	421.7114	841.4315	421.2194	A	304.1503	152.5788	287.1238	144.0655			3
10	**974.4690**	487.7381	**957.4425**	479.2249	956.4584	478.7329	N	**233.1132**	117.0602	216.0866	108.5470			2
11							V	118.0863	59.5468					1

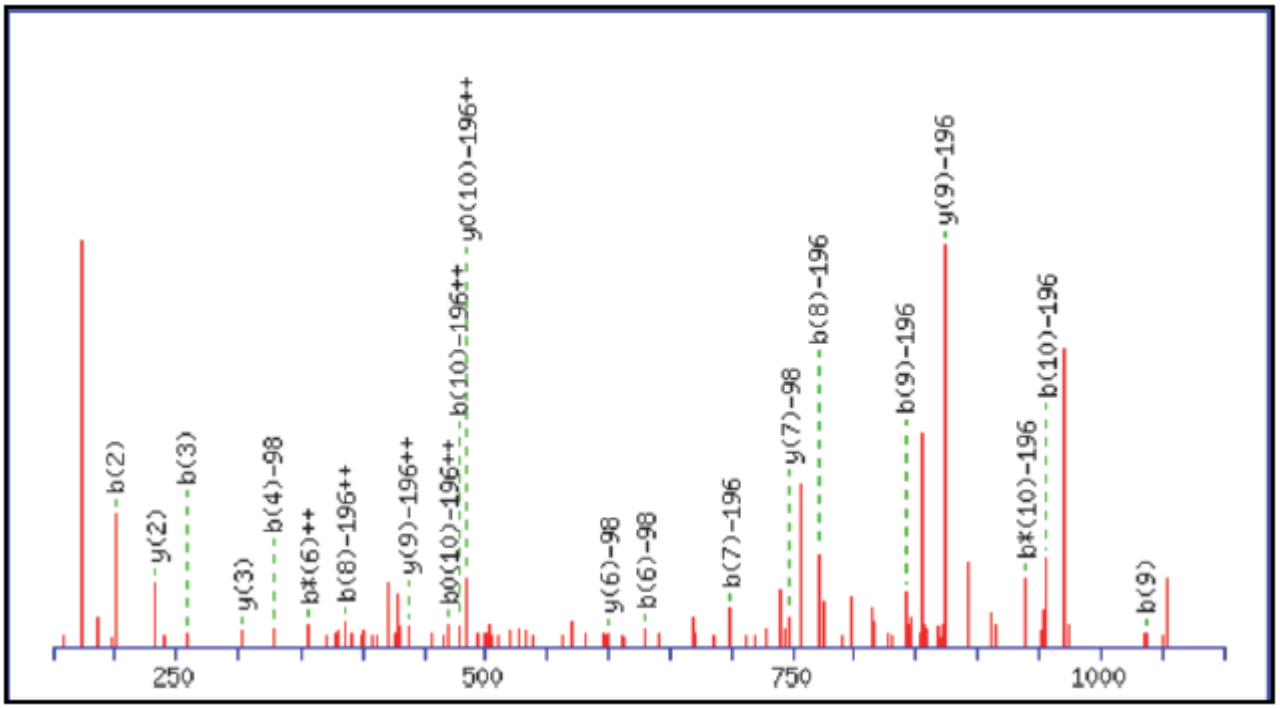
PIP21 (277-287) 2P



Monoisotopic mass of neutral peptide Mr (calc): 1267.4999
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 47
Bold red: Matches

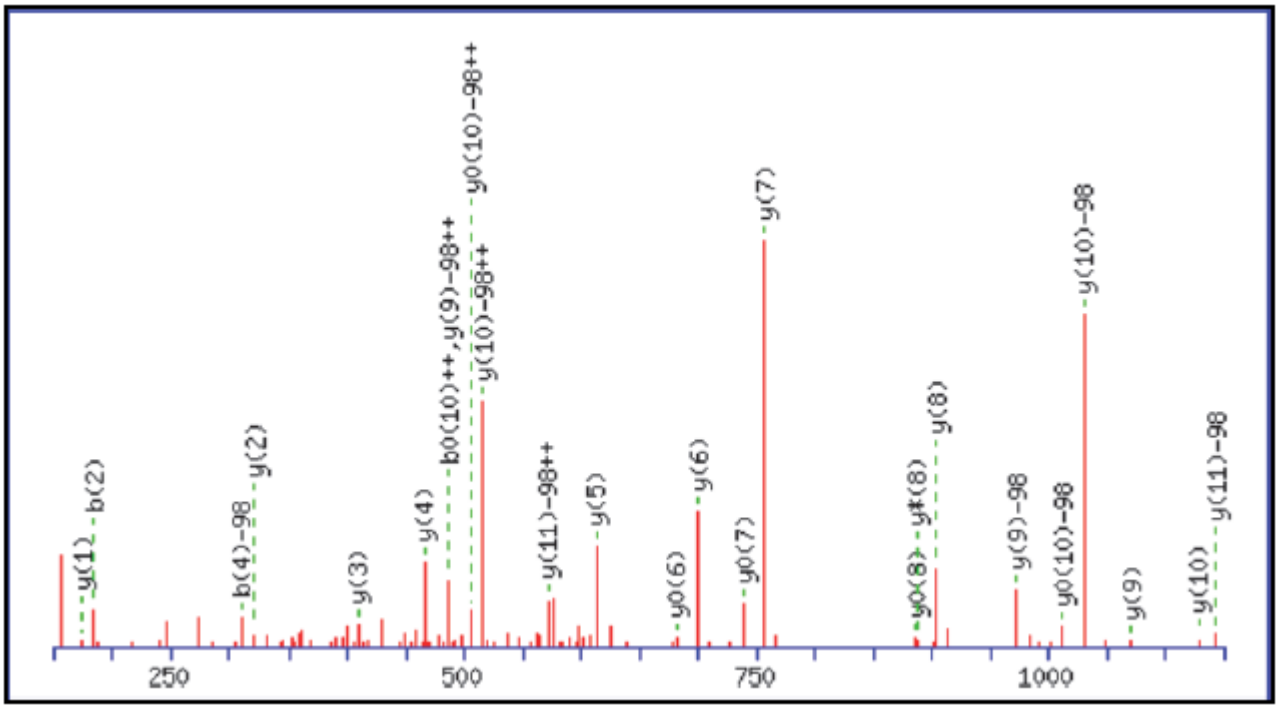
#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233			70.0287	35.5180	S							11
2	**201.1234**	101.0653			183.1128	92.0600	L	985.5214	493.2643	968.4948	484.7511	967.5108	484.2590	10
3	**258.1448**	129.5761			240.1343	120.5708	G	**872.4373**	436.7223	855.4108	428.2090	854.4267	427.7170	9
4	**327.1663**	164.0868			309.1557	155.0815	S	815.4158	408.2116	798.3893	399.6983	797.4053	399.2063	8
5	474.2347	237.6210			456.2241	228.6157	F	746.3944	373.7008	729.3678	365.1876	728.3838	364.6956	7
6	**630.3358**	315.6715	613.3093	307.1583	612.3252	306.6663	R	**599.3260**	300.1666	582.2994	291.6534	581.3154	291.1613	6
7	**699.3573**	350.1823	682.3307	341.6690	681.3467	341.1770	S	443.2249	222.1161	426.1983	213.6028	425.2143	213.1108	5
8	**770.3944**	**385.7008**	753.3678	377.1876	752.3838	376.6955	A	374.2034	187.6053	357.1769	179.0921			4
9	**841.4315**	421.2194	824.4049	412.7061	823.4209	412.2141	A	303.1663	152.0868	286.1397	143.5735			3
10	**955.4744**	478.2408	938.4479	469.7276	937.4639	469.2356	N	**232.1292**	116.5682	215.1026	108.0550			2
11							V	118.0863	59.5468					1

PIP21 (277-287) 2P 1Dea



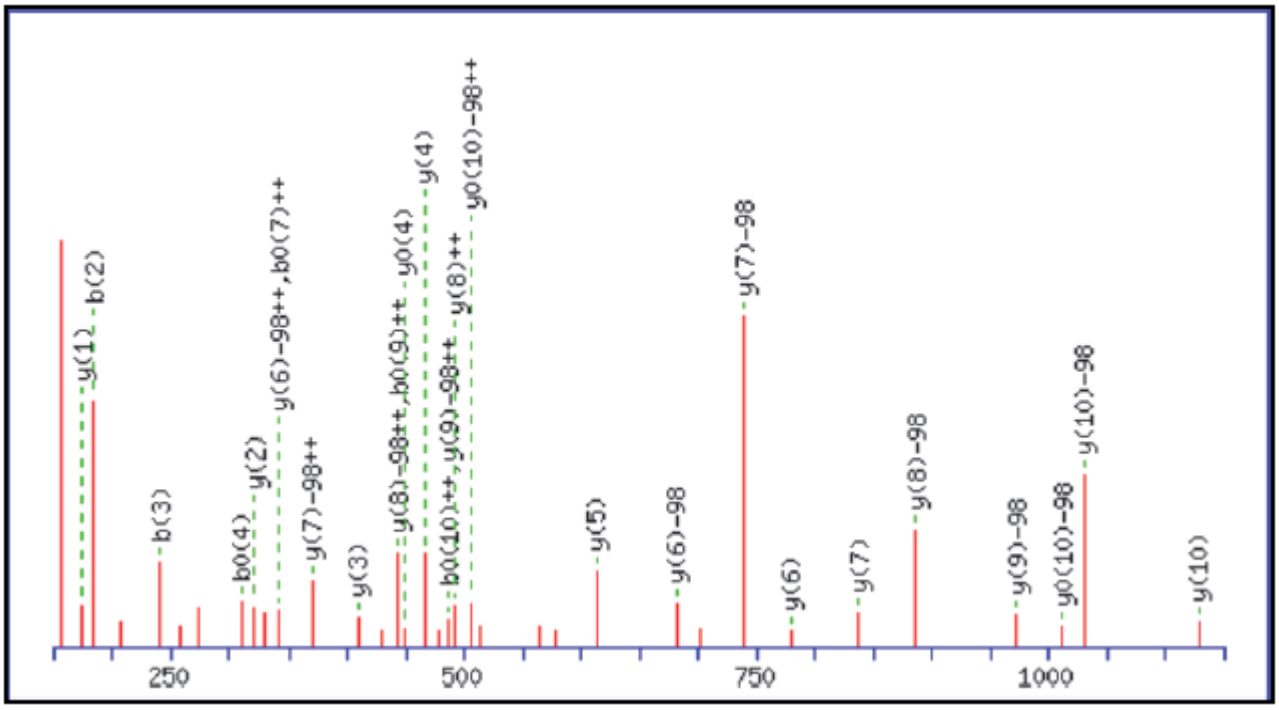
Monoisotopic mass of neutral peptide Mr (calc): 1268.4839
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
N10: Deamidated (NQ)
Ions Score: 42
Bold red: Matches

#	b	b^{++}	b^{*}	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	88.0393	44.5233			70.0287	35.5180	S							11
2	**201.1234**	101.0653			183.1128	92.0600	L	986.5054	493.7563	969.4788	485.2431	968.4948	**484.7510**	10
3	**258.1448**	129.5761			240.1343	120.5708	G	**873.4213**	**437.2143**	856.3948	428.7010	855.4108	428.2090	9
4	**327.1663**	164.0868			309.1557	155.0815	S	816.3999	408.7036	799.3733	400.1903	798.3893	399.6983	8
5	474.2347	237.6210			456.2241	228.6157	F	**747.3784**	374.1928	730.3519	365.6796	729.3678	365.1876	7
6	**630.3358**	315.6715	613.3093	307.1583	612.3252	306.6663	R	**600.3100**	300.6586	583.2834	292.1454	582.2994	291.6533	6
7	**699.3573**	350.1823	682.3307	341.6690	681.3467	341.1770	S	444.2089	222.6081	427.1823	214.0948	426.1983	213.6028	5
8	**770.3944**	**385.7008**	753.3678	377.1876	752.3838	376.6955	A	375.1874	188.0973	358.1609	179.5841			4
9	**841.4315**	421.2194	824.4049	412.7061	823.4209	412.2141	A	**304.1503**	152.5788	287.1238	144.0655			3
10	**956.4584**	**478.7329**	**939.4319**	470.2196	938.4479	**469.7276**	N	**233.1132**	117.0602	216.0866	108.5470			2
11							V	118.0863	59.5468					1



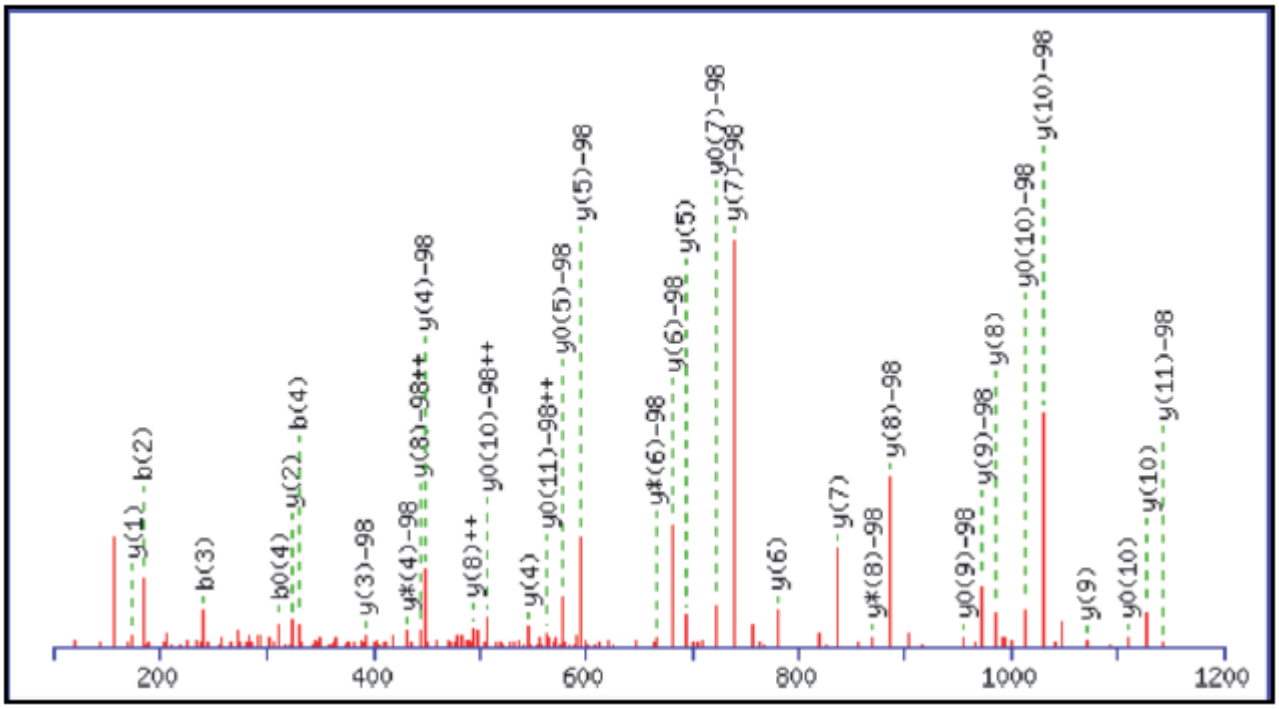
Monoisotopic mass of neutral peptide Mr (calc): 1311.5649
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 94
Bold red: Matches

#	b	b^{++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258			A							12
2	**185.1285**	93.0679			L	**1143.5582**	**572.2827**	1126.5316	563.7694	1125.5476	563.2774	11
3	242.1499	121.5786			G	**1030.4741**	**515.7407**	1013.4475	507.2274	**1012.4635**	**506.7354**	10
4	**311.1714**	156.0893	293.1608	147.0840	S	**973.4526**	**487.2300**	956.4261	478.7167	955.4421	478.2247	9
5	458.2398	229.6235	440.2292	220.6182	F	**904.4312**	452.7192	**887.4046**	444.2060	**886.4206**	443.7139	8
6	515.2613	258.1343	497.2507	249.1290	G	**757.3628**	379.1850	740.3362	370.6717	**739.3522**	370.1797	7
7	602.2933	301.6503	584.2827	292.6450	S	**700.3413**	350.6743	683.3148	342.1610	**682.3307**	341.6690	6
8	749.3617	375.1845	731.3511	366.1792	F	**613.3093**	307.1583	596.2827	298.6450	595.2987	298.1530	5
9	806.3832	403.6952	788.3726	394.6899	G	**466.2409**	233.6241	449.2143	225.1108	448.2303	224.6188	4
10	893.4152	447.2112	875.4046	438.2059	S	**409.2194**	205.1133	392.1928	196.6001	391.2088	196.1081	3
11	1040.4836	520.7454	1022.4730	511.7402	F	**322.1874**	161.5973	305.1608	153.0840			2
12					R	**175.1190**	88.0631	158.0924	79.5498			1



Monoisotopic mass of neutral peptide Mr (calc): 1311.5649
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 99
Bold red: Matches

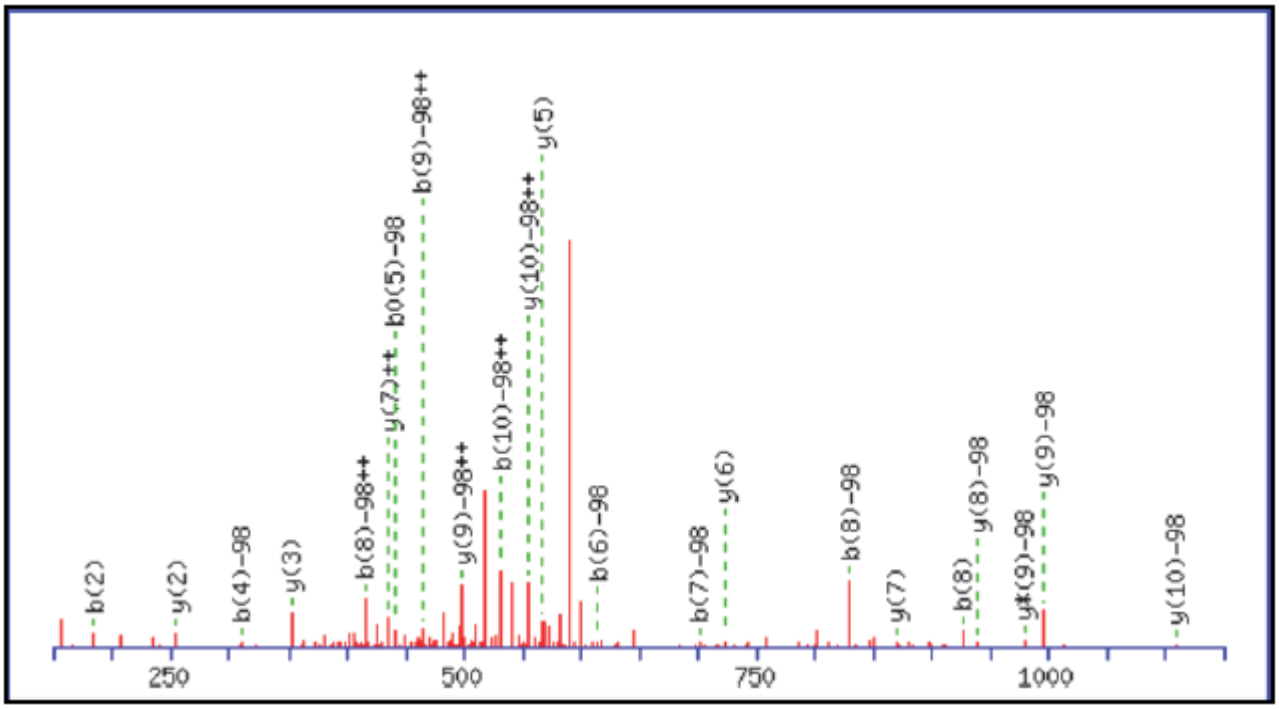
#	b	b^{++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y^{*}	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258			A							12
2	**185.1285**	93.0679			L	1143.5582	572.2827	1126.5316	563.7694	1125.5476	563.2774	11
3	**242.1499**	121.5786			G	**1030.4741**	515.7407	1013.4475	507.2274	**1012.4635**	**506.7354**	10
4	329.1819	165.0946	**311.1714**	156.0893	S	**973.4526**	**487.2300**	956.4261	478.7167	955.4421	478.2247	9
5	476.2504	238.6288	458.2398	229.6235	F	**886.4206**	**443.7139**	869.3941	435.2007	868.4100	434.7087	8
6	533.2718	267.1396	515.2613	258.1343	G	**739.3522**	**370.1797**	722.3256	361.6665	721.3416	361.1745	7
7	602.2933	301.6503	584.2827	292.6450	S	**682.3307**	**341.6690**	665.3042	333.1557	664.3202	332.6637	6
8	749.3617	375.1845	731.3511	366.1792	F	**613.3093**	307.1583	596.2827	298.6450	595.2987	298.1530	5
9	806.3832	403.6952	788.3726	394.6899	G	**466.2409**	233.6241	449.2143	225.1108	**448.2303**	224.6188	4
10	893.4152	447.2112	875.4046	438.2059	S	**409.2194**	205.1133	392.1928	196.6001	391.2088	196.1081	3
11	1040.4836	520.7454	1022.4730	511.7402	F	**322.1874**	161.5973	305.1608	153.0840			2
12					R	**175.1190**	88.0631	158.0924	79.5498			1



Monoisotopic mass of neutral peptide Mr (calc): 1311.5649
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S10: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 104
Bold red: Matches

#	b	b^{++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258			A							12
2	**185.1285**	93.0679			L	**1143.5582**	572.2827	1126.5316	563.7694	1125.5476	**563.2774**	11
3	**242.1499**	121.5786			G	**1030.4741**	515.7407	1013.4475	507.2274	**1012.4635**	**506.7354**	10
4	**329.1819**	165.0946	**311.1714**	156.0893	S	**973.4526**	487.2300	956.4261	478.7167	**955.4421**	478.2247	9
5	476.2504	238.6288	458.2398	229.6235	F	**886.4206**	**443.7139**	**869.3941**	435.2007	868.4100	434.7087	8
6	533.2718	267.1396	515.2613	258.1343	G	**739.3522**	370.1797	722.3256	361.6665	**721.3416**	361.1745	7
7	620.3039	310.6556	602.2933	301.6503	S	**682.3307**	341.6690	**665.3042**	333.1557	664.3202	332.6637	6
8	767.3723	384.1898	749.3617	375.1845	F	**595.2987**	298.1530	578.2722	289.6397	**577.2881**	289.1477	5
9	824.3937	412.7005	806.3832	403.6952	G	**448.2303**	224.6188	**431.2037**	216.1055	430.2197	215.6135	4
10	893.4152	447.2112	875.4046	438.2059	S	**391.2088**	196.1080	374.1823	187.5948	373.1983	187.1028	3
11	1040.4836	520.7454	1022.4730	511.7402	F	**322.1874**	161.5973	305.1608	153.0840			2
12					R	**175.1190**	88.0631	158.0924	79.5498			1

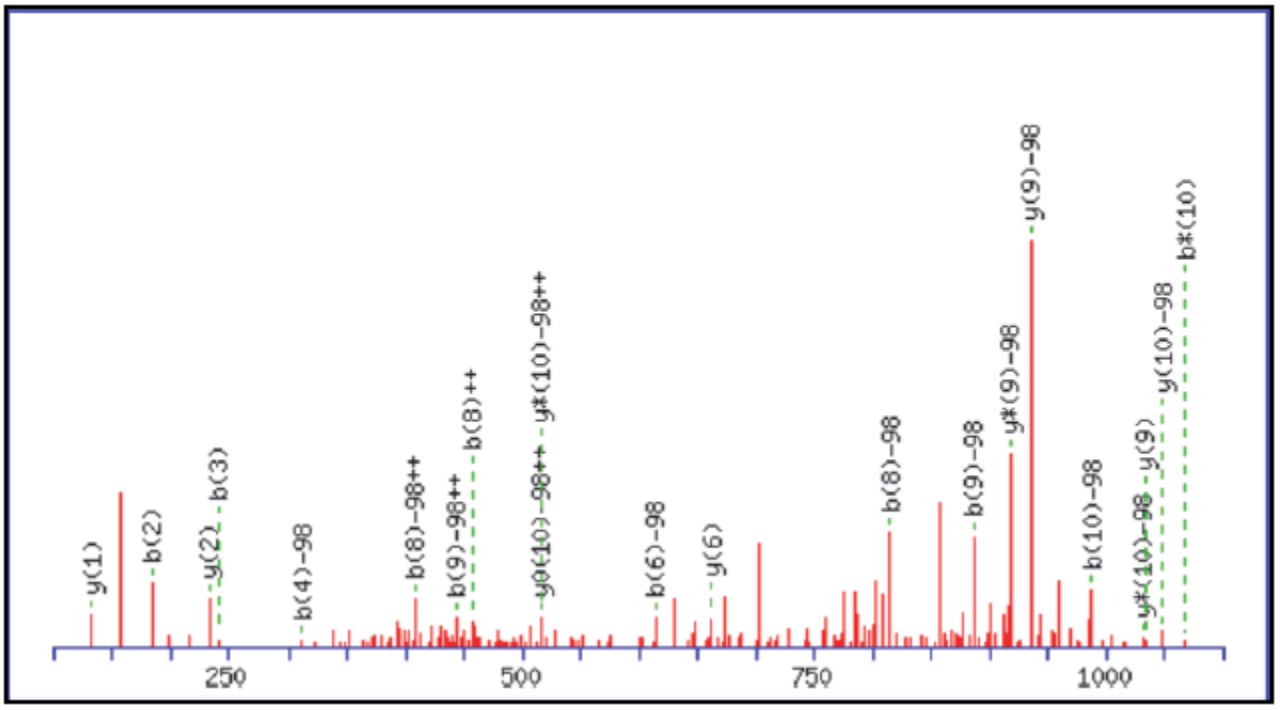
PIP25 (276-286) 1P



Monoisotopic mass of neutral peptide Mr (calc): 1277.5918
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 53
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	**185.1285**	93.0679					L	**1109.5850**	**555.2962**	1092.5585	546.7829	1091.5745	546.2909	10
3	242.1499	121.5786					G	**996.5010**	**498.7541**	**979.4744**	490.2409	978.4904	489.7488	9
4	**311.1714**	156.0893			293.1608	147.0840	S	**939.4795**	470.2434	922.4530	461.7301	921.4690	461.2381	8
5	458.2398	229.6235			**440.2292**	220.6182	F	**870.4581**	**435.7327**	853.4315	427.2194	852.4475	426.7274	7
6	**614.3409**	307.6741	597.3143	299.1608	596.3303	298.6688	R	**723.3896**	362.1985	706.3631	353.6852	705.3791	353.1932	6
7	**701.3729**	351.1901	684.3464	342.6768	683.3624	342.1848	S	**567.2885**	284.1479	550.2620	275.6346	549.2780	275.1426	5
8	**829.4315**	**415.2194**	812.4050	406.7061	811.4209	406.2141	Q	480.2565	240.6319	463.2300	232.1186			4
9	926.4843	**463.7458**	909.4577	455.2325	908.4737	454.7405	P	**352.1979**	176.6026					3
10	1063.5432	**532.2752**	1046.5166	523.7620	1045.5326	523.2699	H	**255.1452**	128.0762					2
11							V	118.0863	59.5468					1

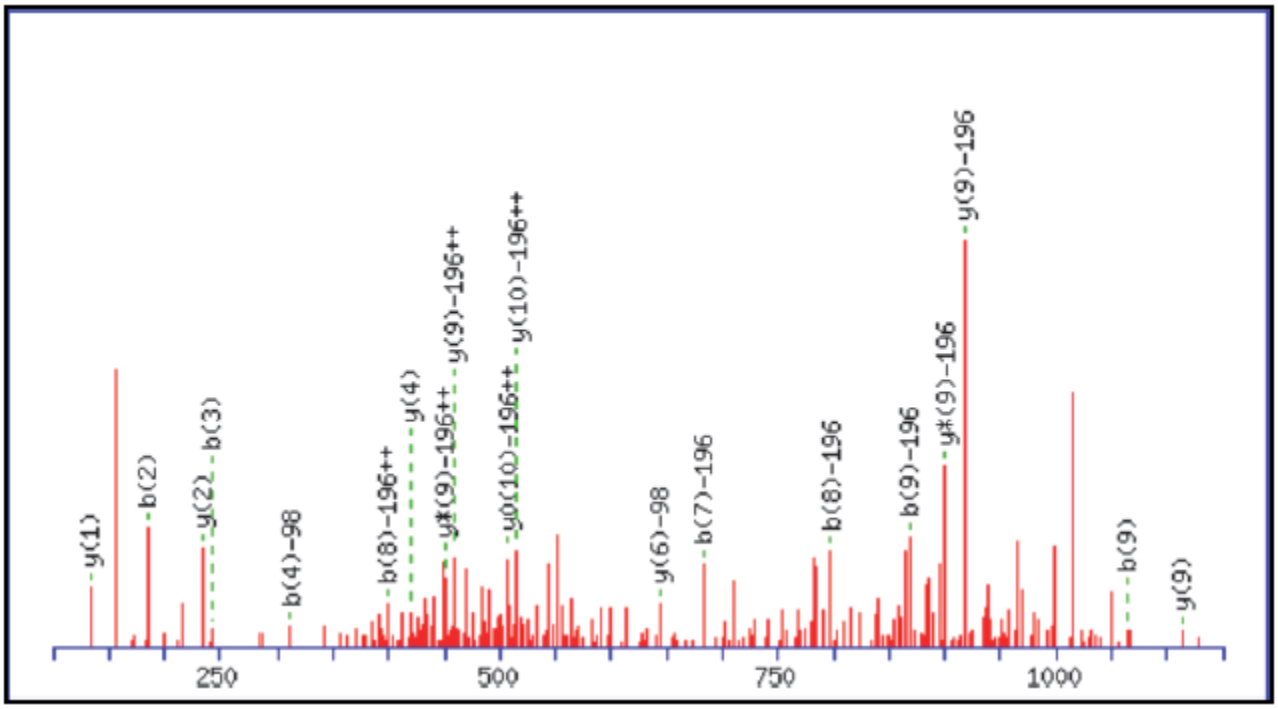
PIP27 (270-280) 1P



Monoisotopic mass of neutral peptide Mr (calc): 1216.5237
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 49
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	**185.1285**	93.0679					L	**1048.5170**	524.7622	**1031.4905**	**516.2489**	1030.5065	**515.7569**	10
3	**242.1499**	121.5786					G	**935.4330**	468.2201	**918.4064**	459.7068	917.4224	459.2148	9
4	**311.1714**	156.0893			293.1608	147.0840	S	878.4115	439.7094	861.3849	431.1961	860.4009	430.7041	8
5	458.2398	229.6235			440.2292	220.6182	F	809.3900	405.1987	792.3635	396.6854	791.3795	396.1934	7
6	**614.3409**	307.6741	597.3143	299.1608	596.3303	298.6688	R	**662.3216**	331.6645	645.2951	323.1512	644.3111	322.6592	6
7	701.3729	351.1901	684.3464	342.6768	683.3624	342.1848	S	506.2205	253.6139	489.1940	245.1006	488.2100	244.6086	5
8	**815.4159**	**408.2116**	798.3893	399.6983	797.4053	399.2063	N	419.1885	210.0979	402.1619	201.5846	401.1779	201.0926	4
9	**886.4530**	**443.7301**	869.4264	435.2168	868.4424	434.7248	A	305.1456	153.0764	288.1190	144.5631	287.1350	144.0711	3
10	**987.5006**	494.2540	970.4741	485.7407	969.4901	485.2487	T	**234.1084**	117.5579	217.0819	109.0446	216.0979	108.5526	2
11							N	**133.0608**	67.0340	116.0342	58.5207			1

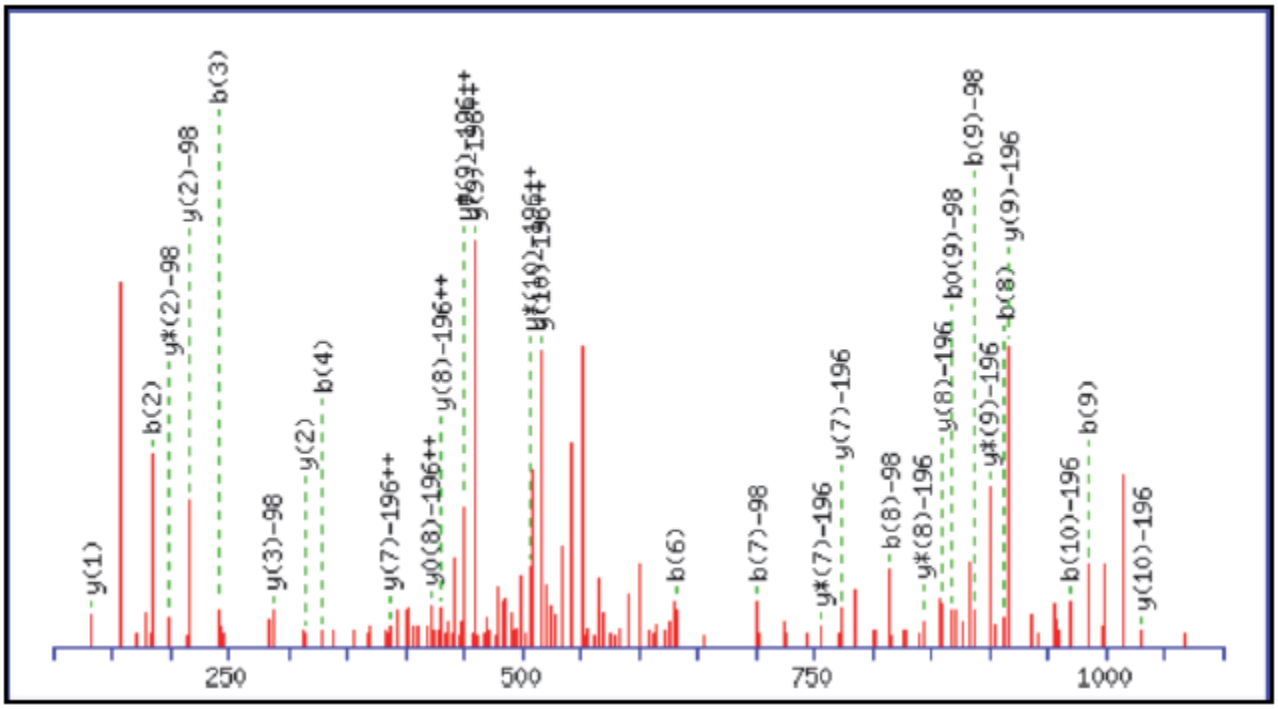
PIP27 (270-280) 2P S273+S276



Monoisotopic mass of neutral peptide Mr (calc): 1296.4901
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 42
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	**185.1285**	93.0679					L	1030.5065	**515.7569**	1013.4799	507.2436	1012.4959	**506.7516**	10
3	**242.1499**	121.5786					G	**917.4224**	**459.2148**	**900.3958**	**450.7016**	899.4118	450.2095	9
4	**311.1714**	156.0893			293.1608	147.0840	S	860.4009	430.7041	843.3744	422.1908	842.3904	421.6988	8
5	458.2398	229.6235			440.2292	220.6182	F	791.3795	396.1934	774.3529	387.6801	773.3689	387.1881	7
6	614.3409	307.6741	597.3143	299.1608	596.3303	298.6688	R	**644.3111**	322.6592	627.2845	314.1459	626.3005	313.6539	6
7	**683.3624**	342.1848	666.3358	333.6715	665.3518	333.1795	S	488.2099	244.6086	471.1834	236.0953	470.1994	235.6033	5
8	**797.4053**	**399.2063**	780.3787	390.6930	779.3947	390.2010	N	**419.1885**	210.0979	402.1619	201.5846	401.1779	201.0926	4
9	**868.4424**	434.7248	851.4158	426.2116	850.4318	425.7196	A	305.1456	153.0764	288.1190	144.5631	287.1350	144.0711	3
10	969.4901	485.2487	952.4635	476.7354	951.4795	476.2434	T	**234.1084**	117.5579	217.0819	109.0446	216.0979	108.5526	2
11							N	**133.0608**	67.0340	116.0342	58.5207			1

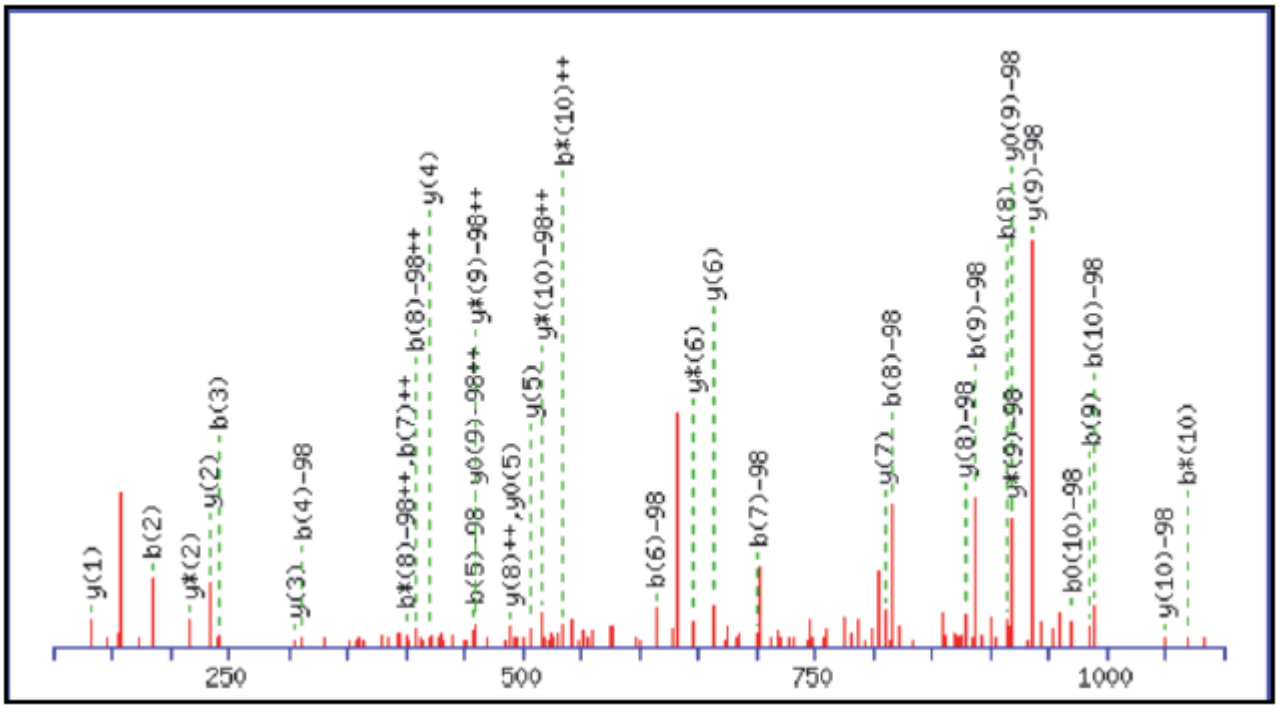
PIP27 (270-280) 2P S276 +T279



Monoisotopic mass of neutral peptide Mr (calc): 1296.4901
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
T10: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 35
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	**185.1285**	93.0679					L	**1030.5065**	**515.7569**	1013.4799	**507.2436**	1012.4959	506.7516	10
3	**242.1499**	121.5786					G	**917.4224**	**459.2148**	**900.3958**	**450.7016**	899.4118	**450.2095**	9
4	**329.1819**	165.0946			311.1714	156.0893	S	**860.4009**	**430.7041**	**843.3744**	422.1908	842.3904	**421.6988**	8
5	476.2504	238.6288			458.2398	229.6235	F	**773.3689**	**387.1881**	**756.3423**	378.6748	755.3583	378.1828	7
6	**632.3515**	316.6794	615.3249	308.1661	614.3409	307.6741	R	626.3005	313.6539	609.2739	305.1406	608.2899	304.6486	6
7	**701.3729**	351.1901	684.3464	342.6768	683.3624	342.1848	S	470.1994	235.6033	453.1728	227.0900	452.1888	226.5980	5
8	**815.4159**	408.2116	798.3893	399.6983	797.4053	399.2063	N	401.1779	201.0926	384.1514	192.5793	383.1674	192.0873	4
9	**886.4530**	443.7301	869.4264	435.2168	**868.4424**	434.7248	A	**287.1350**	144.0711	270.1084	135.5579	269.1244	135.0658	3
10	**969.4901**	485.2487	952.4635	476.7354	951.4795	476.2434	T	**216.0979**	108.5526	**199.0713**	100.0393	198.0873	99.5473	2
11							N	**133.0608**	67.0340	116.0342	58.5207			1

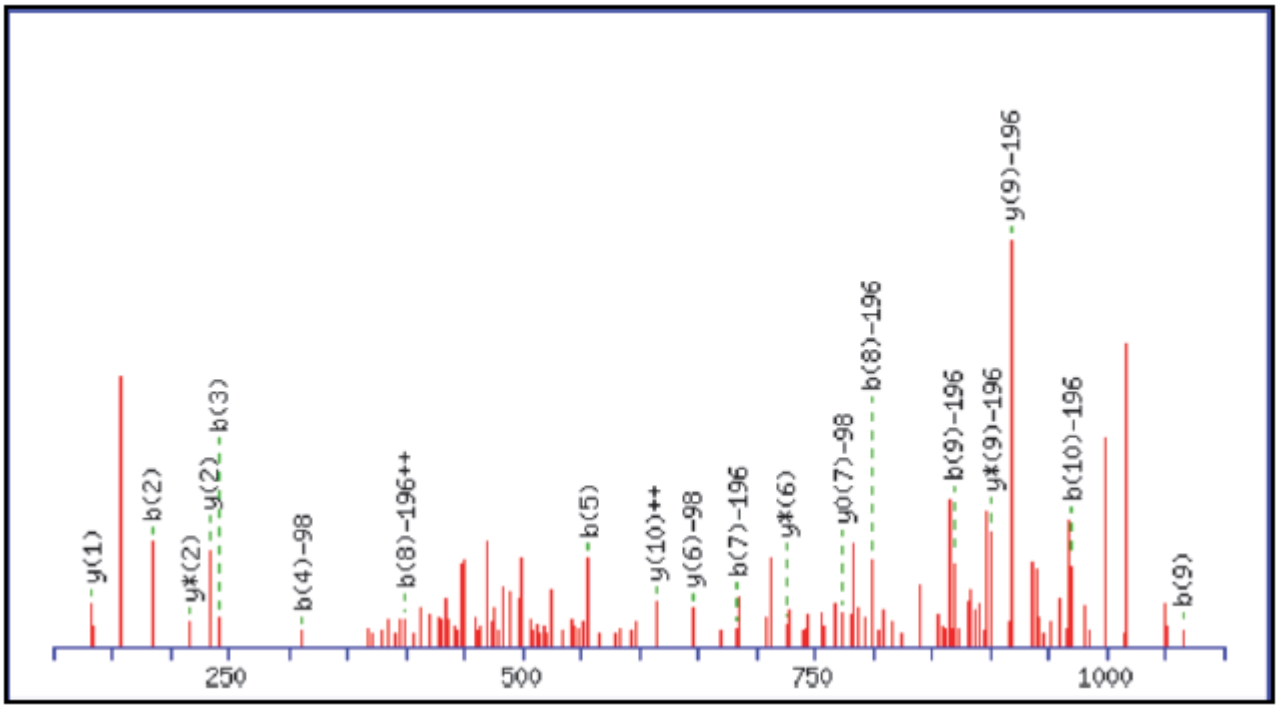
PIP27 (270-280) 1P 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1217.5078
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
N8: Deamidated (NQ)
Ions Score: 58
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	185.1285	93.0679					L	1049.5010	525.2542	1032.4745	516.7409	1031.4905	516.2489	10
3	242.1499	121.5786					G	936.4170	468.7121	919.3904	460.1988	918.4064	459.7068	9
4	311.1714	156.0893			293.1608	147.0840	S	879.3955	440.2014	862.3690	431.6881	861.3849	431.1961	8
5	458.2398	229.6235			440.2292	220.6182	F	810.3740	405.6907	793.3475	397.1774	792.3635	396.6854	7
6	614.3409	307.6741	597.3143	299.1608	596.3303	298.6688	R	663.3056	332.1565	646.2791	323.6432	645.2951	323.1512	6
7	701.3729	351.1901	684.3464	342.6768	683.3624	342.1848	S	507.2045	254.1059	490.1780	245.5926	489.1940	245.1006	5
8	816.3999	408.7036	799.3733	400.1903	798.3893	399.6983	N	420.1725	210.5899	403.1459	202.0766	402.1619	201.5846	4
9	887.4370	444.2221	870.4104	435.7089	869.4264	435.2168	A	305.1456	153.0764	288.1190	144.5631	287.1350	144.0711	3
10	988.4847	494.7460	971.4581	486.2327	970.4741	485.7407	T	234.1084	117.5579	217.0819	109.0446	216.0979	108.5526	2
11							N	133.0608	67.0340	116.0342	58.5207			1

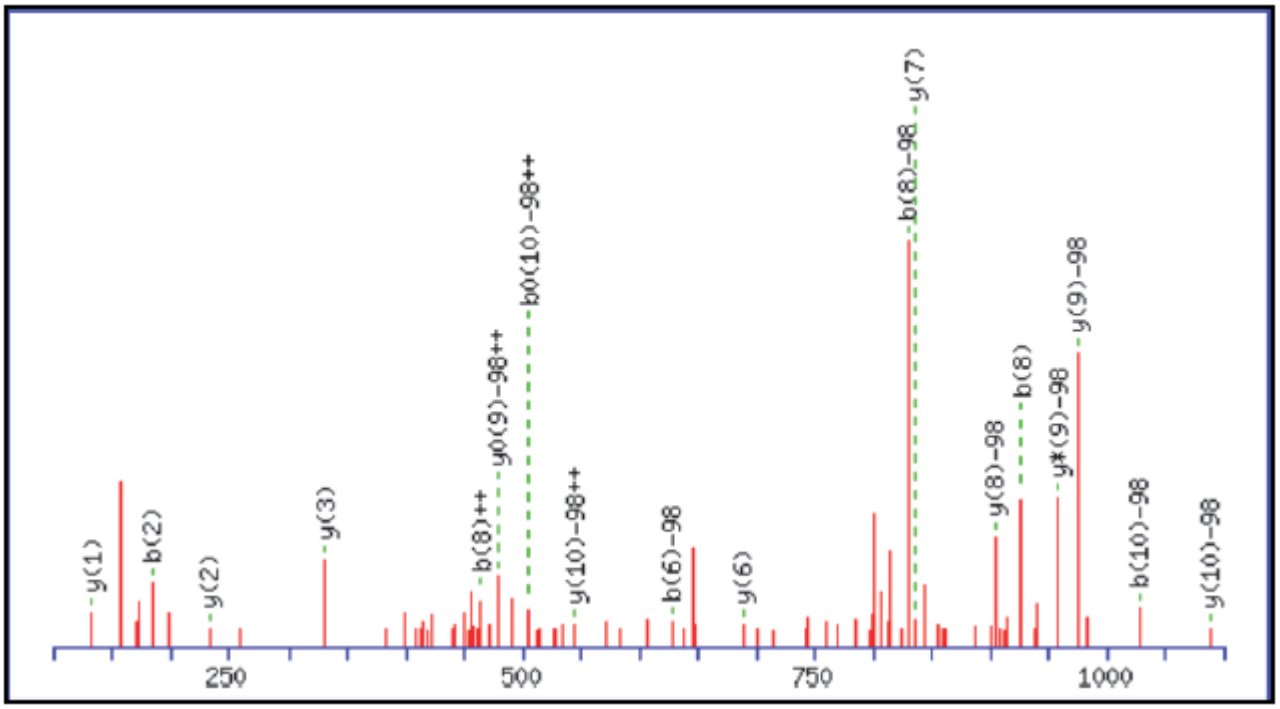
PIP27 (270-280) 2P 1Dea



Monoisotopic mass of neutral peptide Mr (calc): 1297.4741
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
S7: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
N8: Deamidated (NQ)
Ions Score: 21
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	**185.1285**	93.0679					L	1031.4905	516.2489	1014.4639	507.7356	1013.4799	507.2436	10
3	**242.1499**	121.5786					G	**918.4064**	459.7068	**901.3798**	451.1936	900.3958	450.7016	9
4	**311.1714**	156.0893			293.1608	147.0840	S	861.3849	431.1961	844.3584	422.6828	843.3744	422.1908	8
5	458.2398	229.6235			440.2292	220.6182	F	792.3635	396.6854	775.3369	388.1721	**774.3529**	387.6801	7
6	614.3409	307.6741	597.3143	299.1608	596.3303	298.6688	R	**645.2951**	323.1512	628.2685	314.6379	627.2845	314.1459	6
7	**683.3624**	342.1848	666.3358	333.6715	665.3518	333.1795	S	489.1940	245.1006	472.1674	236.5873	471.1834	236.0953	5
8	**798.3893**	**399.6983**	781.3627	391.1850	780.3787	390.6930	N	420.1725	210.5899	403.1459	202.0766	402.1619	201.5846	4
9	**869.4264**	435.2168	852.3999	426.7036	851.4158	426.2116	A	305.1456	153.0764	288.1190	144.5631	287.1350	144.0711	3
10	**970.4741**	485.7407	953.4475	477.2274	952.4635	476.7354	T	**234.1084**	117.5579	**217.0819**	109.0446	216.0979	108.5526	2
11							N	**133.0608**	67.0340	116.0342	58.5207			1

PIP28 (268-278) 1P



Monoisotopic mass of neutral peptide Mr (calc): 1256.5550
Fixed modifications: Carbamidomethyl (C)
Variable modifications:
S4: Phospho (ST), with neutral losses 97.9769 (shown in table), 0.0000
Ions Score: 41
Bold red: Matches

#	b	b^{++}	b*	b^{*++}	b^{0}	b^{0++}	Seq.	y	y^{++}	y*	y^{*++}	y^{0}	y^{0++}	#
1	72.0444	36.5258					A							11
2	**185.1285**	93.0679					L	**1088.5483**	**544.7778**	1071.5218	536.2645	1070.5378	535.7725	10
3	256.1656	128.5864					A	**975.4643**	488.2358	**958.4377**	479.7225	957.4537	**479.2305**	9
4	325.1870	163.0971			307.1765	154.0919	S	**904.4271**	452.7172	887.4006	444.2039	886.4166	443.7119	8
5	472.2554	236.6314			454.2449	227.6261	F	**835.4057**	418.2065	818.3791	409.6932	817.3951	409.2012	7
6	**628.3565**	314.6819	611.3300	306.1686	610.3460	305.6766	R	**688.3373**	344.6723	671.3107	336.1590	670.3267	335.6670	6
7	715.3886	358.1979	698.3620	349.6847	697.3780	349.1926	S	532.2362	266.6217	515.2096	258.1084	514.2256	257.6164	5
8	**829.4315**	415.2194	812.4050	406.7061	811.4209	406.2141	N	445.2041	223.1057	428.1776	214.5924	427.1936	214.1004	4
9	926.4843	463.7458	909.4577	455.2325	908.4737	454.7405	P	**331.1612**	166.0842	314.1347	157.5710	313.1506	157.0790	3
10	**1027.5319**	514.2696	1010.5054	505.7563	1009.5214	**505.2643**	T	**234.1084**	117.5579	217.0819	109.0446	216.0979	108.5526	2
11							N	**133.0608**	67.0340	116.0342	58.5207			1