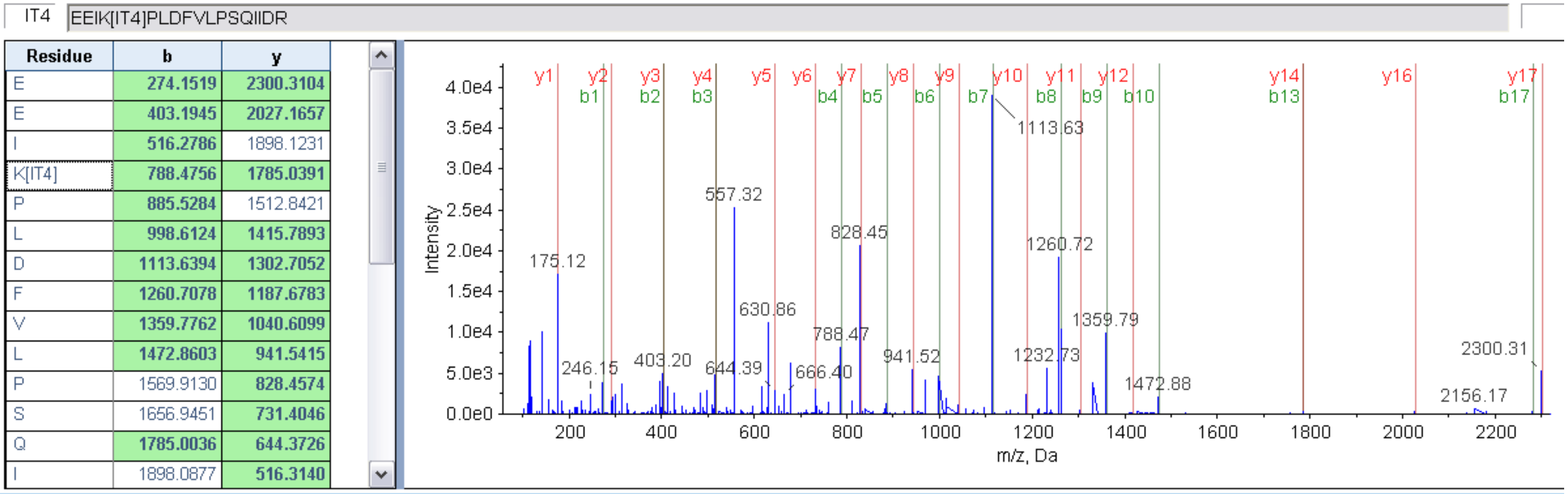
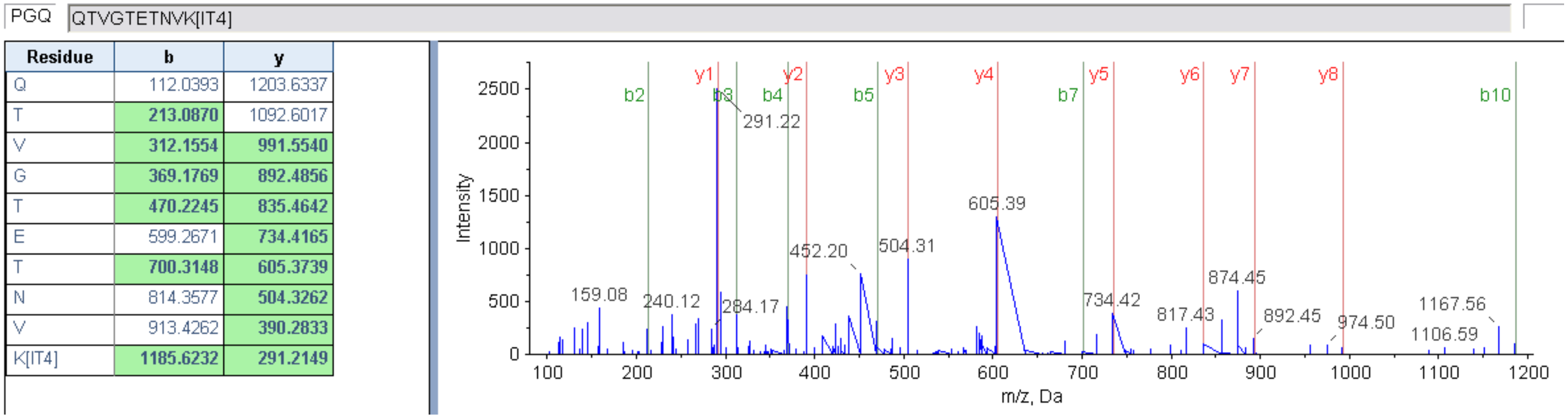
Q72LZ4



IT4 EEIK[IT4]PLDFVLPSQIIDR

Residue	b	y
E	**274.1519**	**2300.3104**
E	**403.1945**	**2027.1657**
I	**516.2786**	1898.1231
K[IT4]	**788.4756**	**1785.0391**
P	**885.5284**	1512.8421
L	**998.6124**	**1415.7893**
D	**1113.6394**	**1302.7052**
F	**1260.7078**	**1187.6783**
V	**1359.7762**	**1040.6099**
L	**1472.8603**	**941.5415**
P	1569.9130	**828.4574**
S	1656.9451	**731.4046**
Q	**1785.0036**	**644.3726**
I	1898.0877	**516.3140**

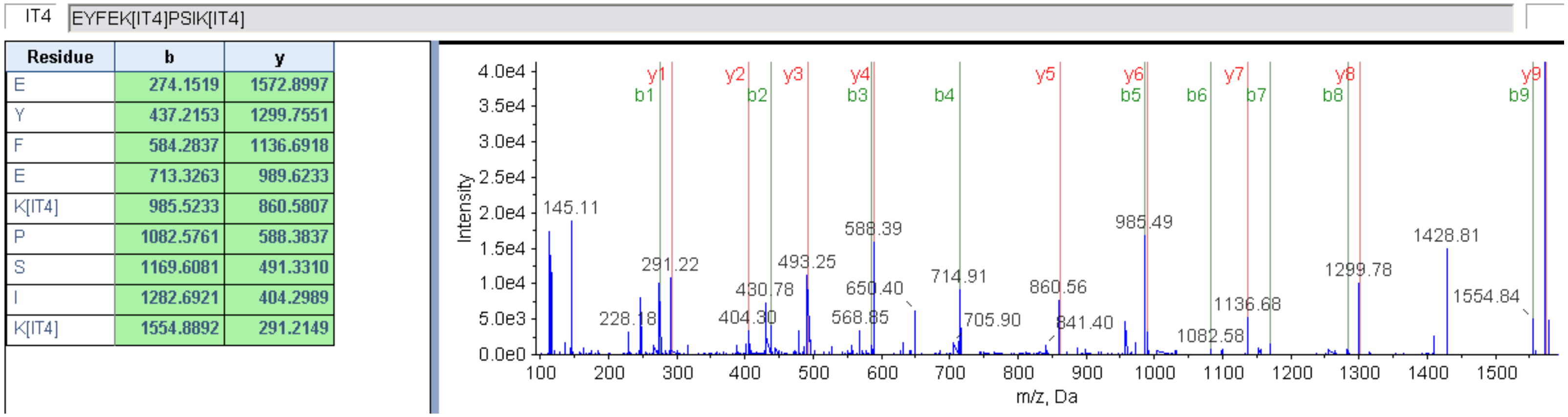
Q72MX9_LEPIC



PGQ QTVGTETNVK[IT4]

Residue	b	y
Q	112.0393	1203.6337
T	**213.0870**	1092.6017
V	**312.1554**	**991.5540**
G	**369.1769**	**892.4856**
T	**470.2245**	**835.4642**
E	599.2671	**734.4165**
T	**700.3148**	**605.3739**
N	814.3577	**504.3262**
V	913.4262	**390.2833**
K[IT4]	**1185.6232**	**291.2149**

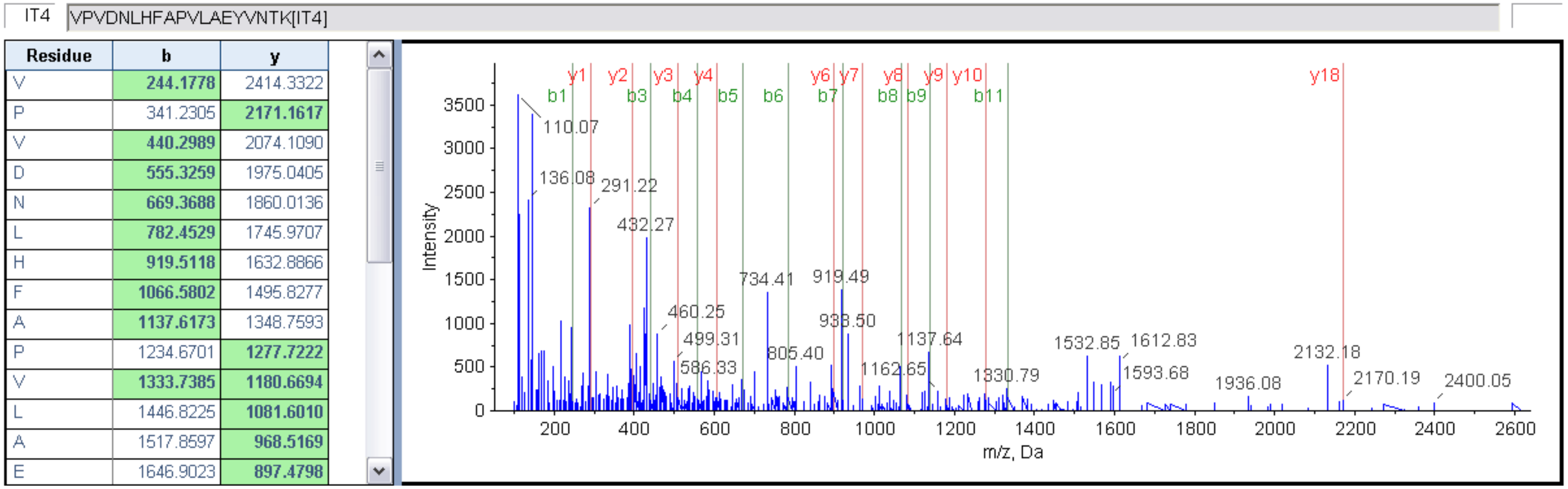
Q72RP1



IT4 EYFEK[IT4]PSIK[IT4]

Residue	b	y
E	**274.1519**	**1572.8997**
Y	**437.2153**	**1299.7551**
F	**584.2837**	**1136.6918**
E	**713.3263**	**989.6233**
K[IT4]	**985.5233**	**860.5807**
P	**1082.5761**	**588.3837**
S	**1169.6081**	**491.3310**
I	**1282.6921**	**404.2989**
K[IT4]	**1554.8892**	**291.2149**

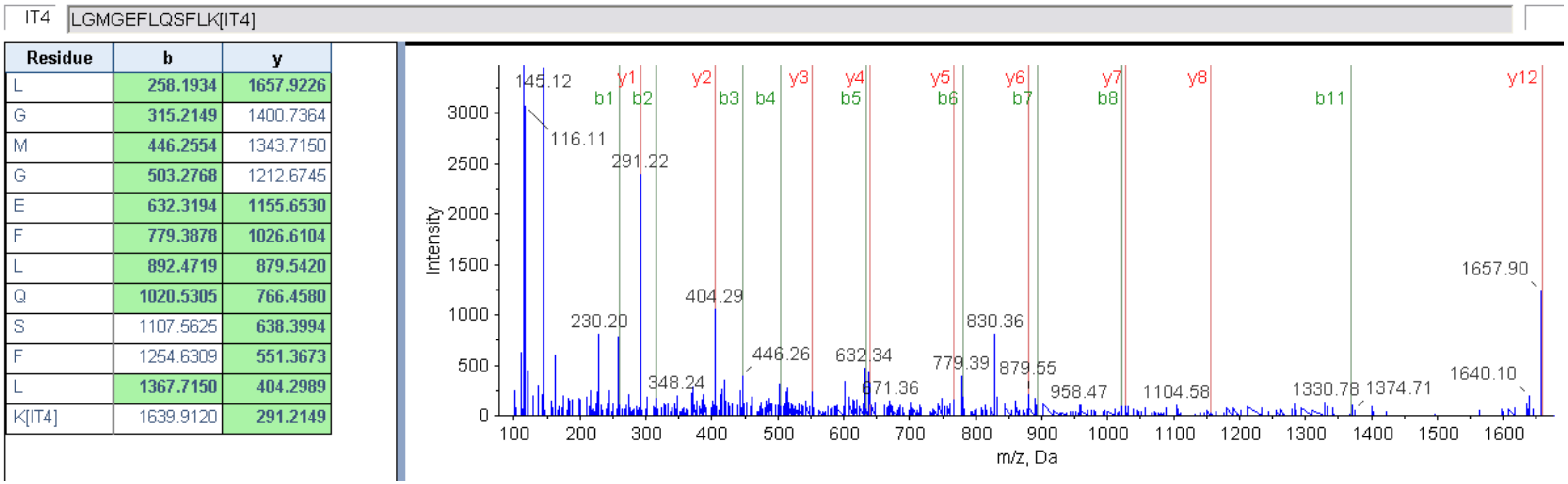
Q72V73



IT4 VPVDNLHFAPVLAEYVNTK[IT4]

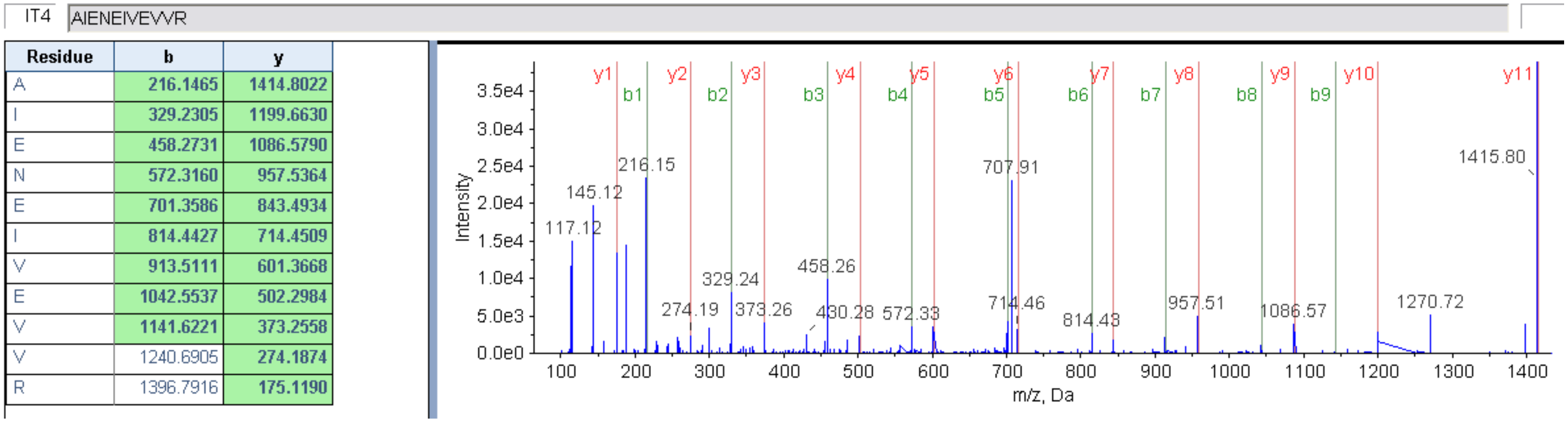
Residue	b	y
V	**244.1778**	2414.3322
P	341.2305	**2171.1617**
V	**440.2989**	2074.1090
D	**555.3259**	1975.0405
N	**669.3688**	1860.0136
L	**782.4529**	1745.9707
H	**919.5118**	1632.8866
F	**1066.5802**	1495.8277
A	**1137.6173**	1348.7593
P	1234.6701	**1277.7222**
V	**1333.7385**	**1180.6694**
L	1446.8225	**1081.6010**
A	1517.8597	**968.5169**
E	1646.9023	**897.4798**

LIC2_SPN3857


IT4 LGMGEFLQSFLK[IT4]

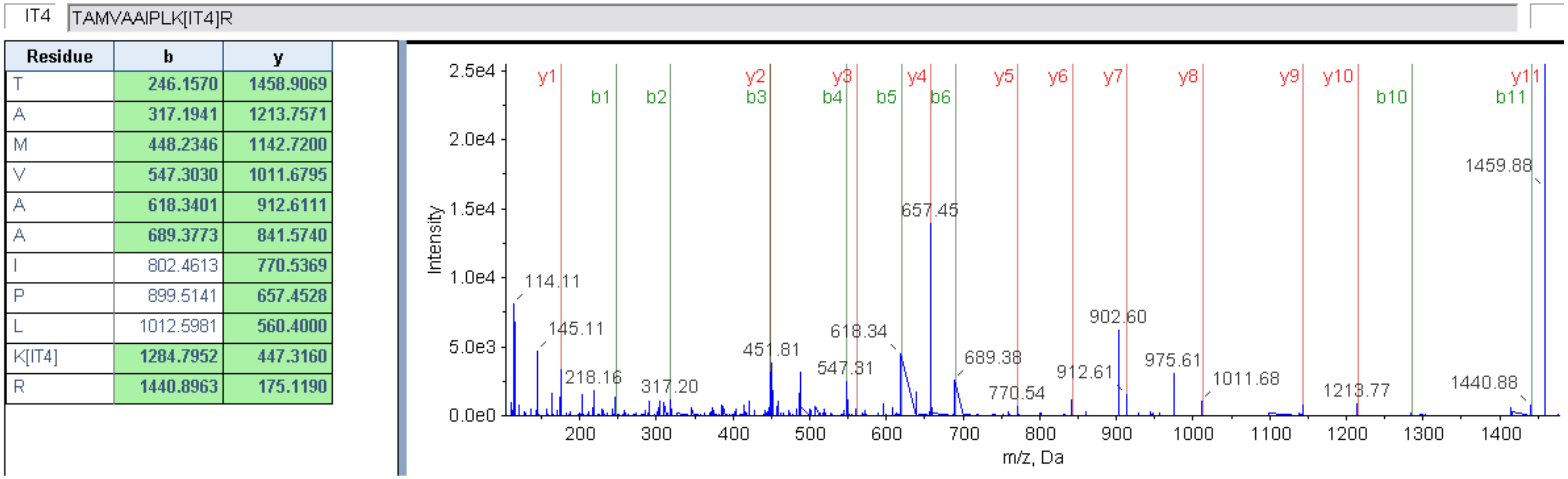
Residue	b	y
L	**258.1934**	**1657.9226**
G	**315.2149**	1400.7364
M	**446.2554**	1343.7150
G	**503.2768**	1212.6745
E	**632.3194**	**1155.6530**
F	**779.3878**	**1026.6104**
L	**892.4719**	**879.5420**
Q	**1020.5305**	**766.4580**
S	1107.5625	**638.3994**
F	1254.6309	**551.3673**
L	**1367.7150**	**404.2989**
K[IT4]	1639.9120	**291.2149**

Q75G27


IT4 AIENEIVEVVR

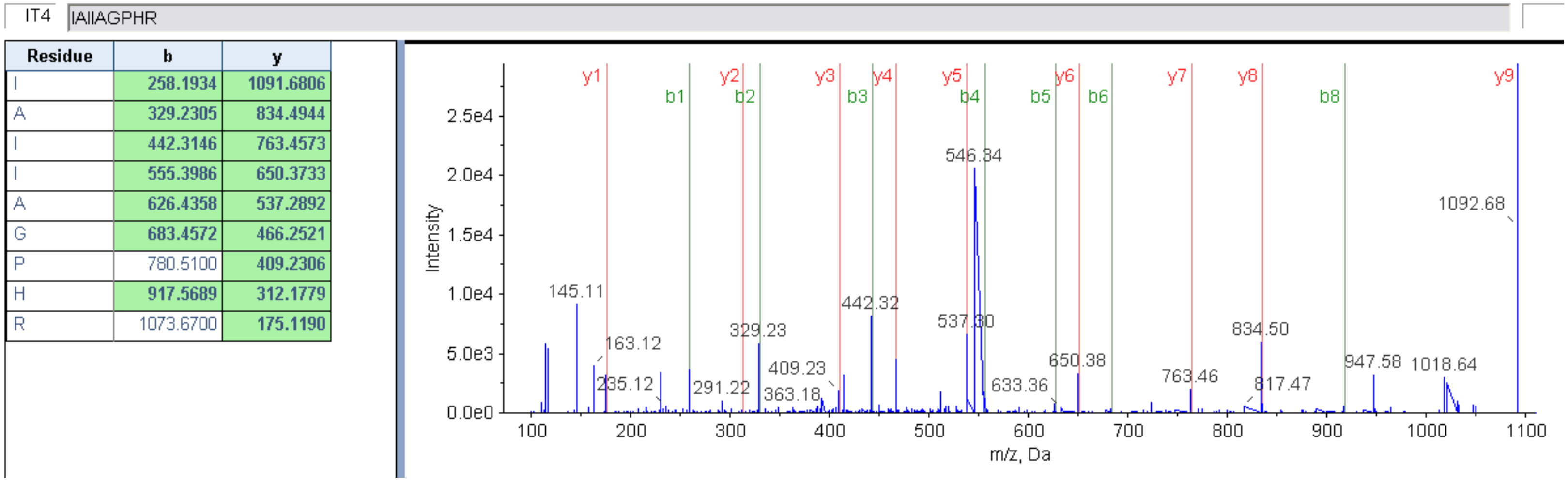
Residue	b	y
A	**216.1465**	**1414.8022**
I	**329.2305**	**1199.6630**
E	**458.2731**	**1086.5790**
N	**572.3160**	**957.5364**
E	**701.3586**	**843.4934**
I	**814.4427**	**714.4509**
V	**913.5111**	**601.3668**
E	**1042.5537**	**502.2984**
V	**1141.6221**	**373.2558**
V	1240.6905	**274.1874**
R	1396.7916	**175.1190**

Q75FW7



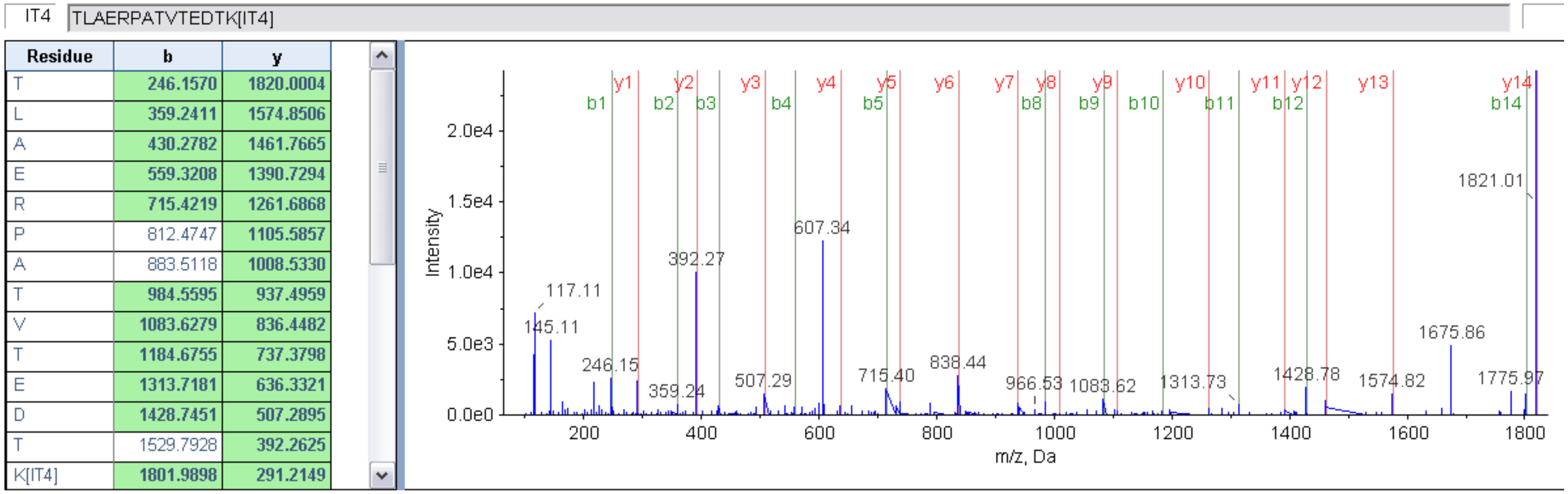
Residue	b	y
T	246.1570	1458.9069
A	317.1941	1213.7571
M	448.2346	1142.7200
V	547.3030	1011.6795
A	618.3401	912.6111
A	689.3773	841.5740
I	802.4613	770.5369
P	899.5141	657.4528
L	1012.5981	560.4000
K[IT4]	1284.7952	447.3160
R	1440.8963	175.1190

Q75FI8



Residue	b	y
I	258.1934	1091.6806
A	329.2305	834.4944
I	442.3146	763.4573
I	555.3986	650.3733
A	626.4358	537.2892
G	683.4572	466.2521
P	780.5100	409.2306
H	917.5689	312.1779
R	1073.6700	175.1190

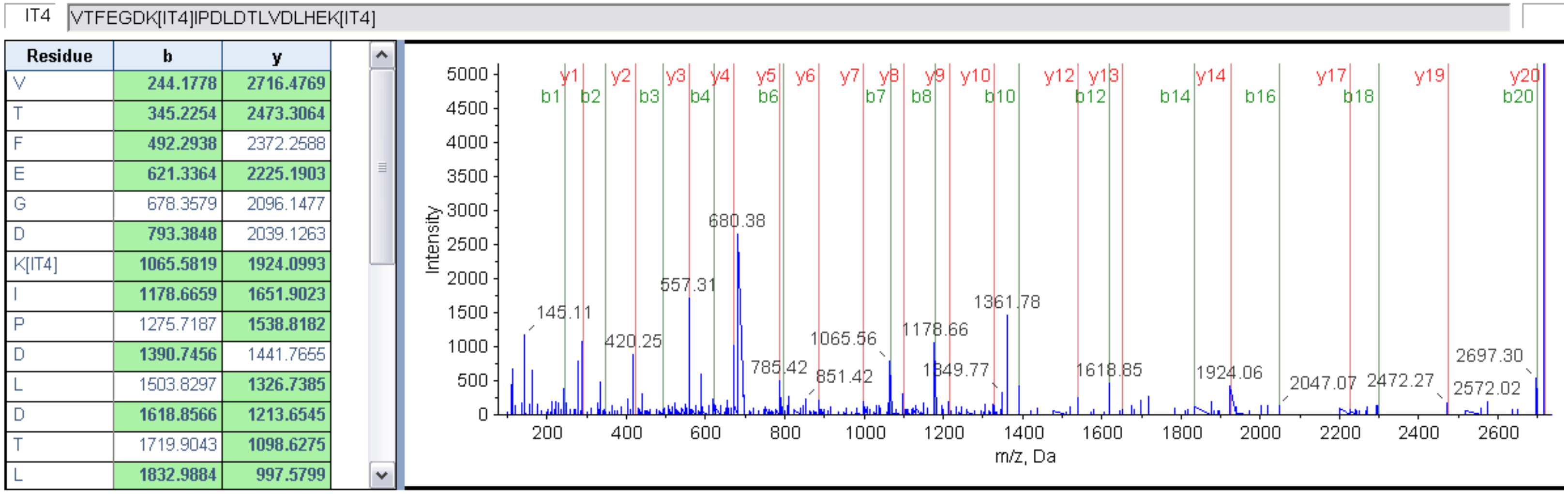
Q72VT5



IT4 TLAERPATVTEDTK[IT4]

Residue	b	y
T	**246.1570**	**1820.0004**
L	**359.2411**	**1574.8506**
A	**430.2782**	**1461.7665**
E	**559.3208**	**1390.7294**
R	**715.4219**	**1261.6868**
P	812.4747	**1105.5857**
A	883.5118	**1008.5330**
T	**984.5595**	**937.4959**
V	**1083.6279**	**836.4482**
T	**1184.6755**	**737.3798**
E	**1313.7181**	**636.3321**
D	**1428.7451**	**507.2895**
T	1529.7928	**392.2625**
K[IT4]	**1801.9898**	**291.2149**

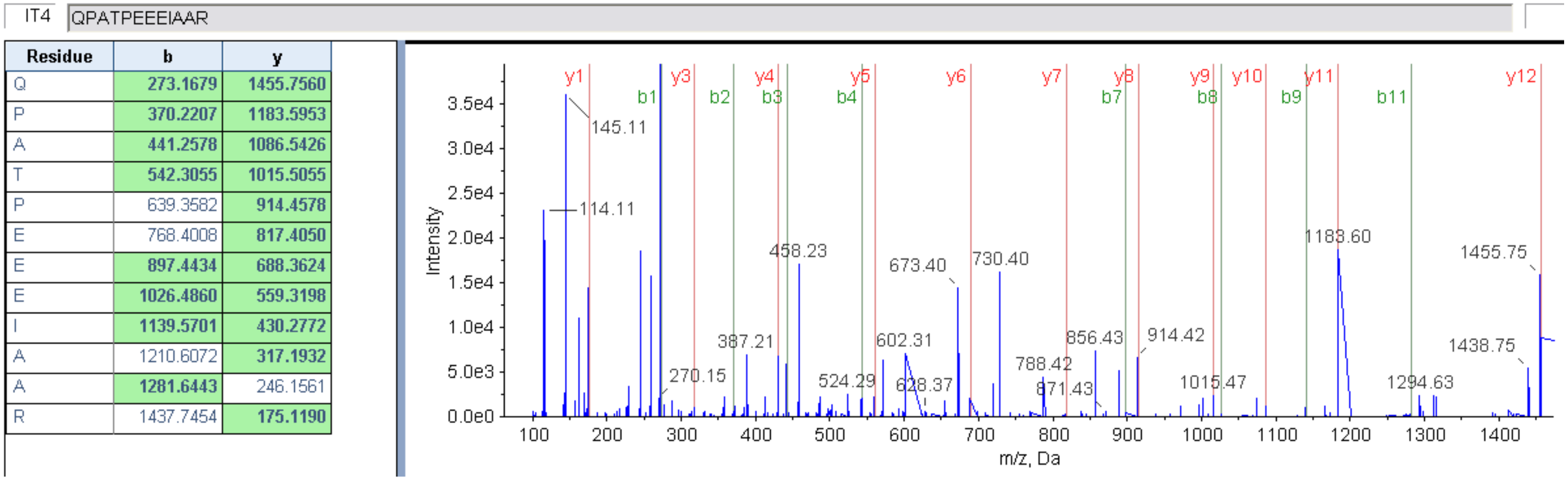
Q72VD6



IT4 VTFEGDK[IT4]IPDLDTLVDLHEK[IT4]

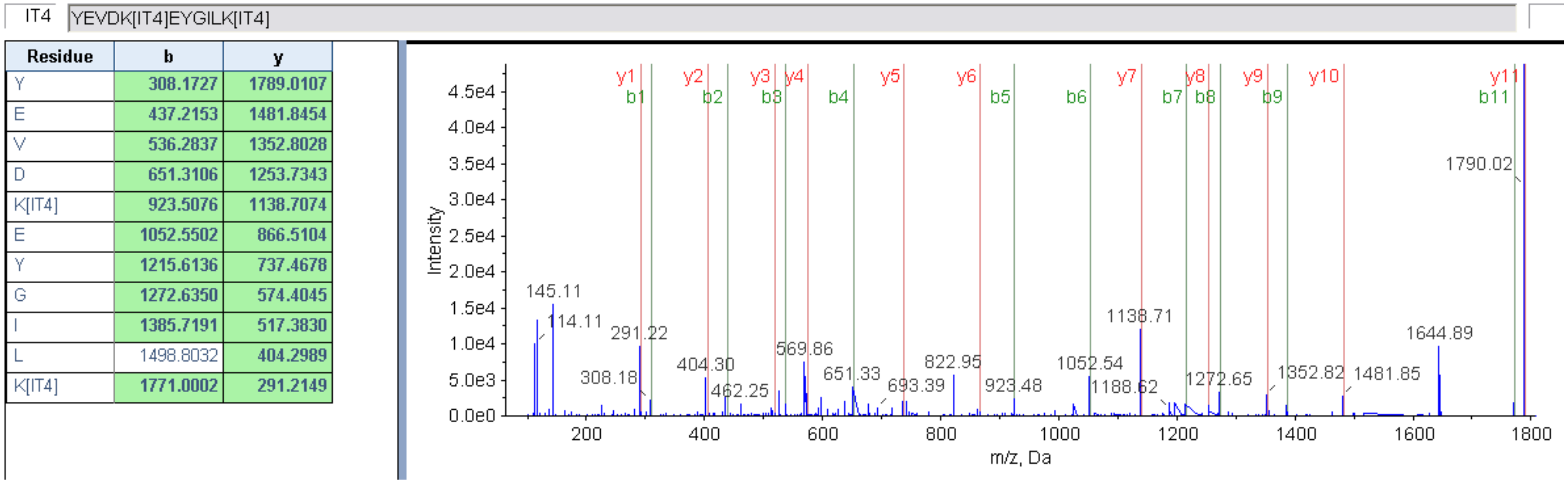
Residue	b	y
V	**244.1778**	**2716.4769**
T	**345.2254**	**2473.3064**
F	**492.2938**	2372.2588
E	**621.3364**	**2225.1903**
G	678.3579	2096.1477
D	**793.3848**	2039.1263
K[IT4]	**1065.5819**	**1924.0993**
I	**1178.6659**	**1651.9023**
P	1275.7187	**1538.8182**
D	**1390.7456**	1441.7655
L	1503.8297	**1326.7385**
D	**1618.8566**	**1213.6545**
T	1719.9043	**1098.6275**
L	**1832.9884**	**997.5799**

Q72VC1


IT4 QPATPEEEIAAR

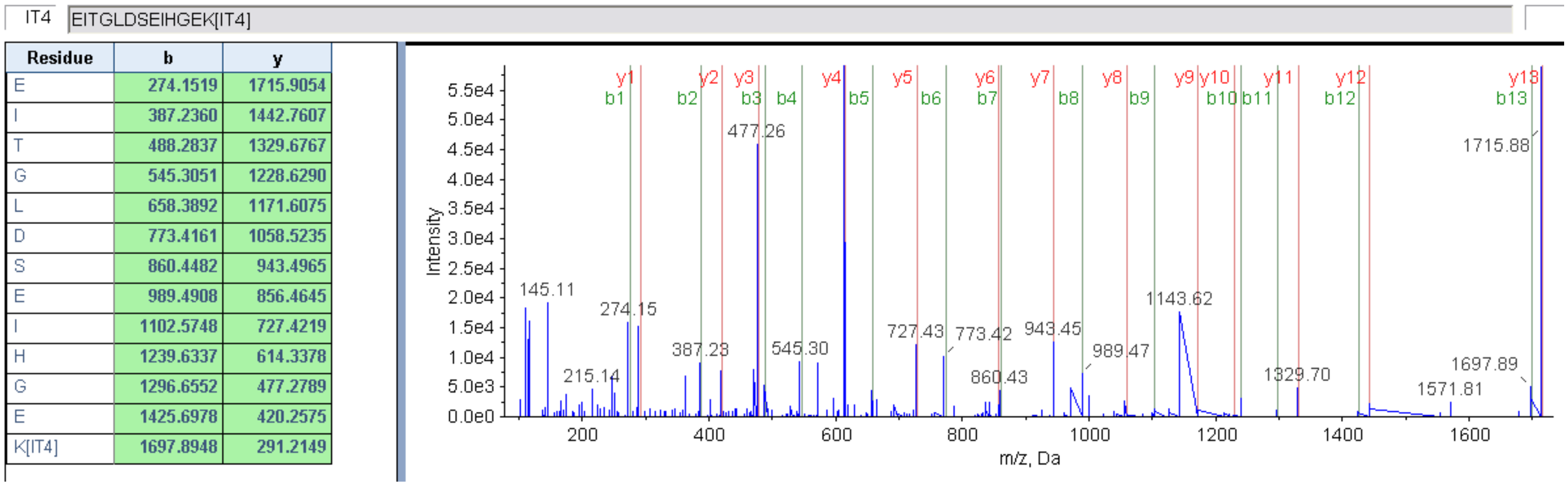
Residue	b	y
Q	273.1679	1455.7560
P	370.2207	1183.5953
A	441.2578	1086.5426
T	542.3055	1015.5055
P	639.3582	914.4578
E	768.4008	817.4050
E	897.4434	688.3624
E	1026.4860	559.3198
I	1139.5701	430.2772
A	1210.6072	317.1932
A	1281.6443	246.1561
R	1437.7454	175.1190

Q72V61


IT4 YEVDK[IT4]EYGILK[IT4]

Residue	b	y
Y	308.1727	1789.0107
E	437.2153	1481.8454
V	536.2837	1352.8028
D	651.3106	1253.7343
K[IT4]	923.5076	1138.7074
E	1052.5502	866.5104
Y	1215.6136	737.4678
G	1272.6350	574.4045
I	1385.7191	517.3830
L	1498.8032	404.2989
K[IT4]	1771.0002	291.2149

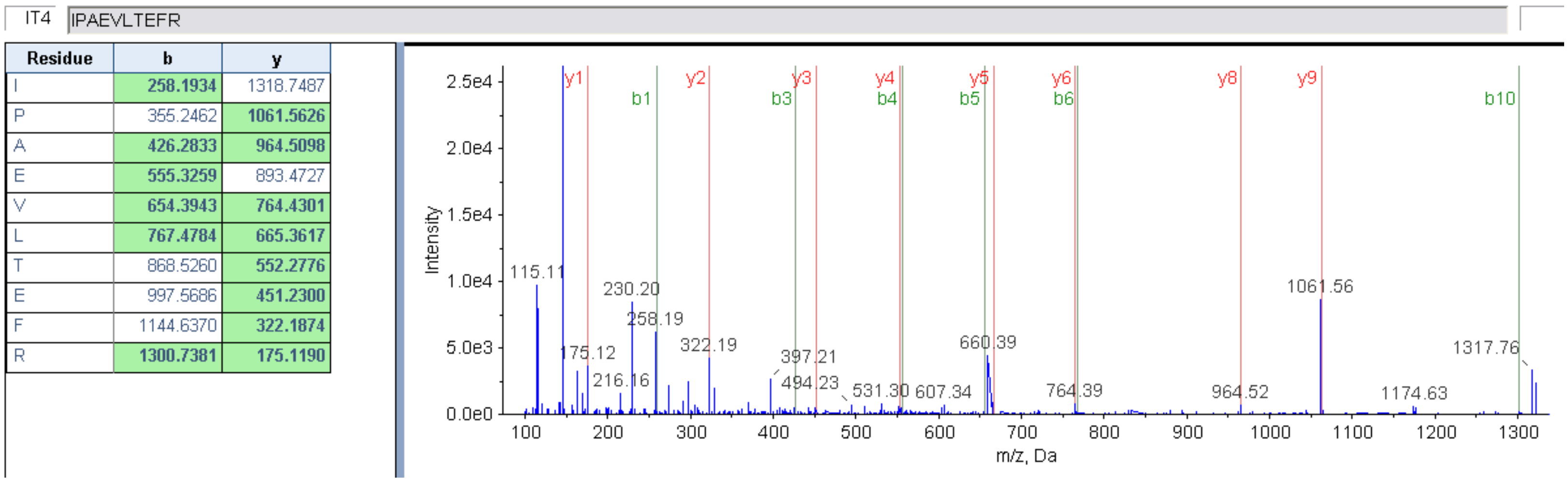
Q72UU9



IT4 EITGLDSEIHGEK[IT4]

Residue	b	y
E	**274.1519**	**1715.9054**
I	**387.2360**	**1442.7607**
T	**488.2837**	**1329.6767**
G	**545.3051**	**1228.6290**
L	**658.3892**	**1171.6075**
D	**773.4161**	**1058.5235**
S	**860.4482**	**943.4965**
E	**989.4908**	**856.4645**
I	**1102.5748**	**727.4219**
H	**1239.6337**	**614.3378**
G	**1296.6552**	**477.2789**
E	**1425.6978**	**420.2575**
K[IT4]	**1697.8948**	**291.2149**

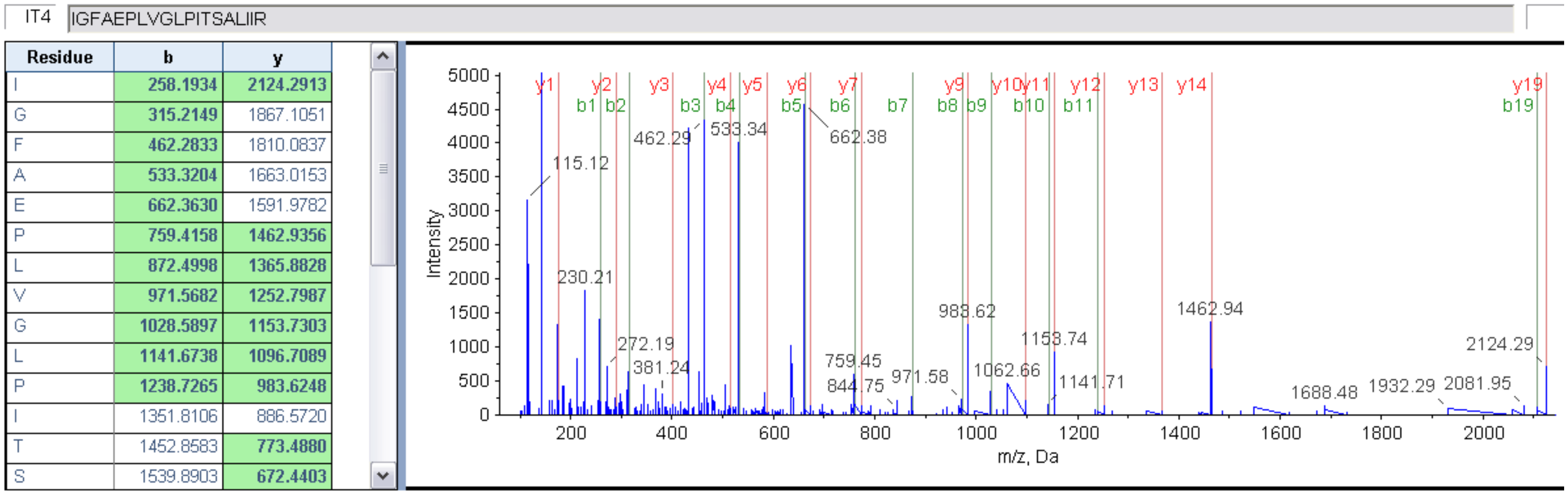
Q72UU2



IT4 IPAEVLTEFR

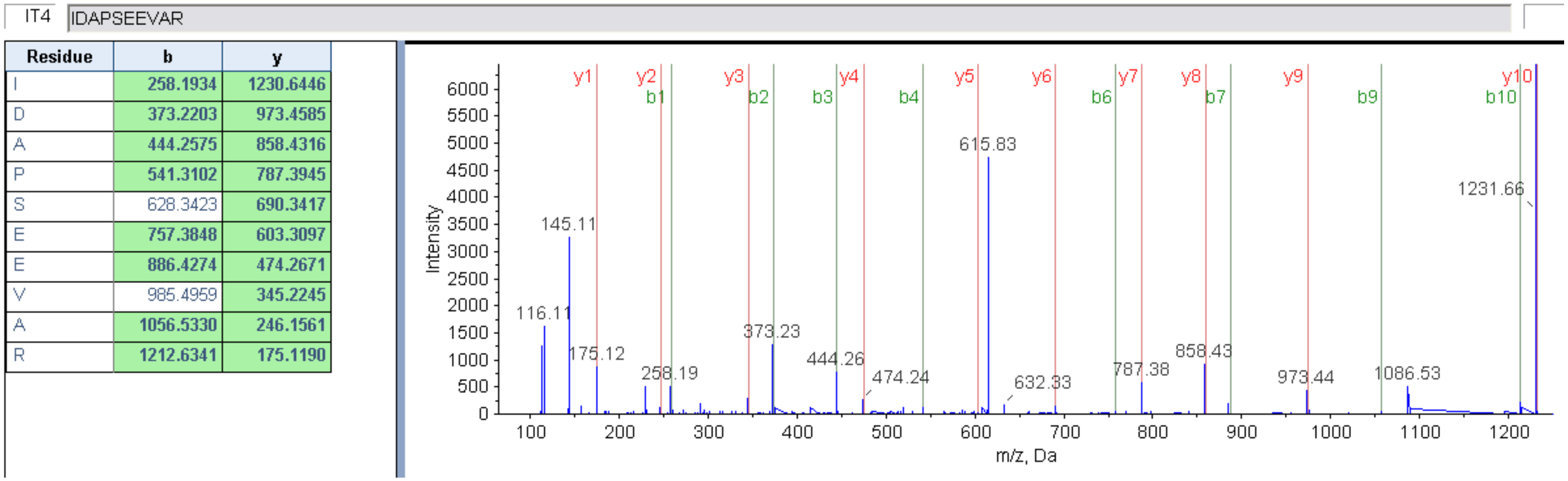
Residue	b	y
I	**258.1934**	1318.7487
P	355.2462	**1061.5626**
A	**426.2833**	**964.5098**
E	**555.3259**	893.4727
V	**654.3943**	**764.4301**
L	**767.4784**	**665.3617**
T	868.5260	**552.2776**
E	997.5686	**451.2300**
F	1144.6370	**322.1874**
R	**1300.7381**	**175.1190**

Q72UH7


IT4 IGFAEPLVGLPITSALIIR

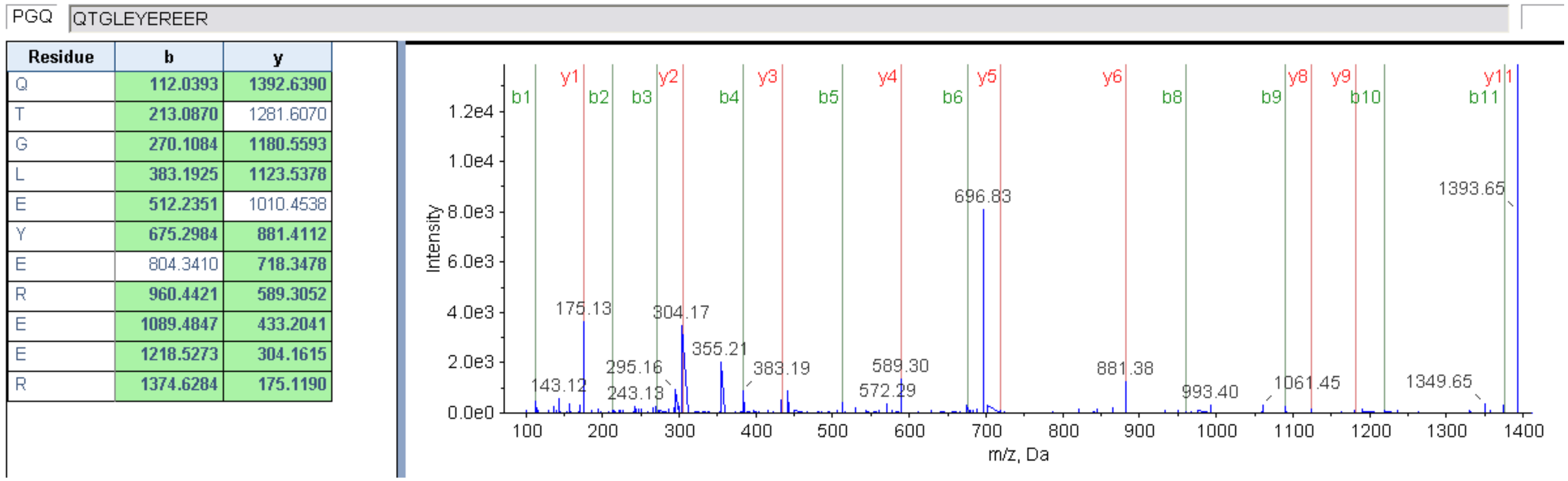
Residue	b	y
I	**258.1934**	**2124.2913**
G	**315.2149**	1867.1051
F	**462.2833**	1810.0837
A	**533.3204**	1663.0153
E	**662.3630**	1591.9782
P	**759.4158**	**1462.9356**
L	**872.4998**	**1365.8828**
V	**971.5682**	**1252.7987**
G	**1028.5897**	**1153.7303**
L	**1141.6738**	**1096.7089**
P	**1238.7265**	**983.6248**
I	1351.8106	886.5720
T	1452.8583	**773.4880**
S	1539.8903	**672.4403**

Q72TJ7


IT4 IDAPSEEVAR

Residue	b	y
I	**258.1934**	**1230.6446**
D	**373.2203**	**973.4585**
A	**444.2575**	**858.4316**
P	**541.3102**	**787.3945**
S	628.3423	**690.3417**
E	**757.3848**	**603.3097**
E	**886.4274**	**474.2671**
V	985.4959	**345.2245**
A	**1056.5330**	**246.1561**
R	**1212.6341**	**175.1190**

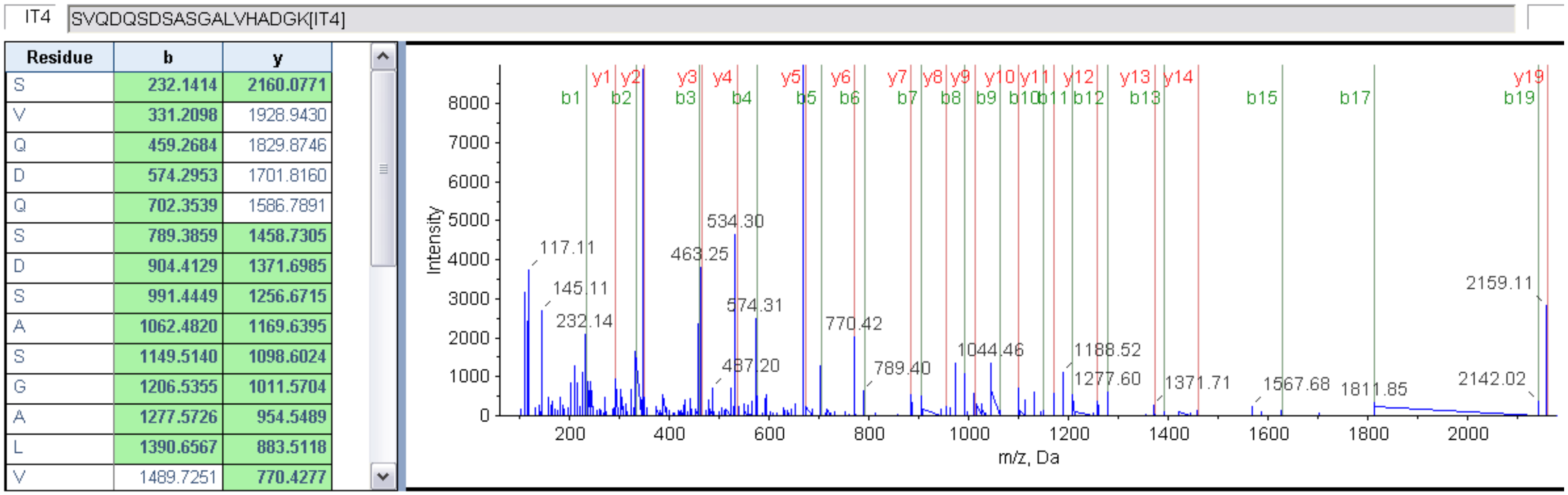
Q72SZ8



PGQ QTGLEYEREER

Residue	b	y
Q	112.0393	1392.6390
T	213.0870	1281.6070
G	270.1084	1180.5593
L	383.1925	1123.5378
E	512.2351	1010.4538
Y	675.2984	881.4112
E	804.3410	718.3478
R	960.4421	589.3052
E	1089.4847	433.2041
E	1218.5273	304.1615
R	1374.6284	175.1190

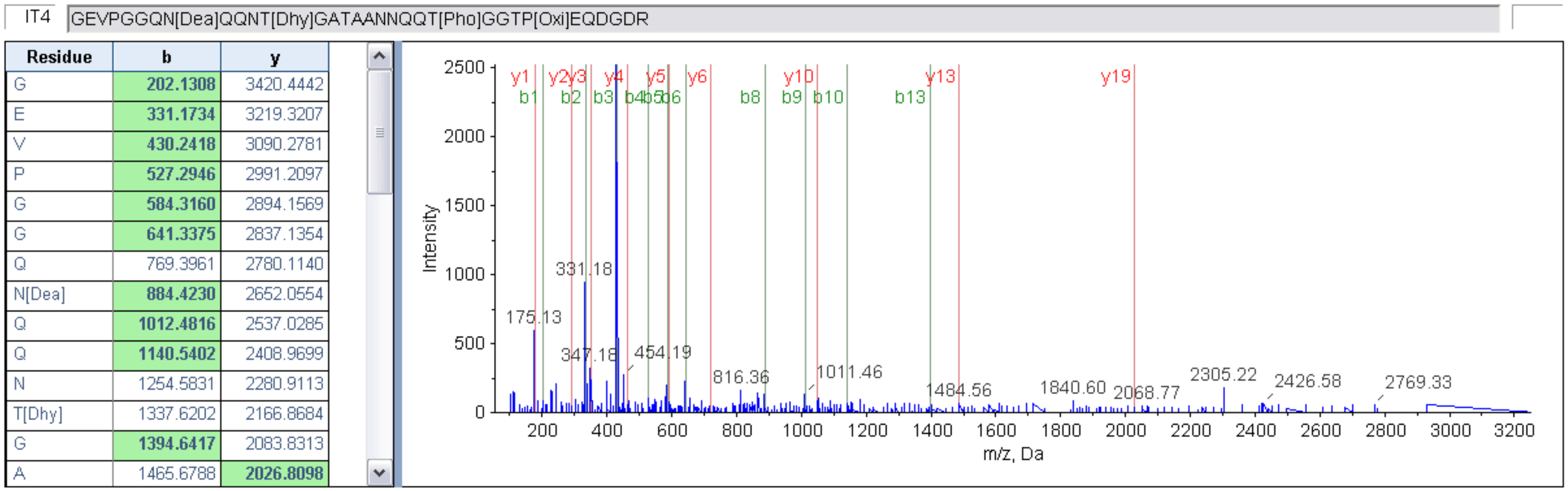
Q72SU9



IT4 SVQDQSDSASGALVHADGK[IT4]

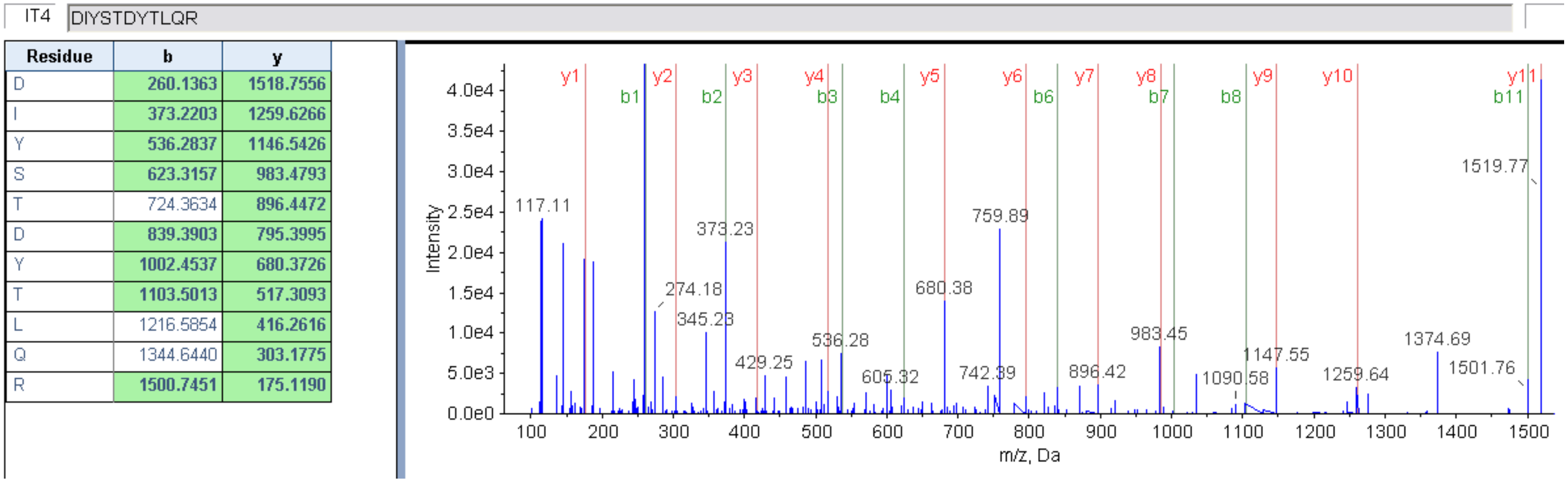
Residue	b	y
S	232.1414	2160.0771
V	331.2098	1928.9430
Q	459.2684	1829.8746
D	574.2953	1701.8160
Q	702.3539	1586.7891
S	789.3859	1458.7305
D	904.4129	1371.6985
S	991.4449	1256.6715
A	1062.4820	1169.6395
S	1149.5140	1098.6024
G	1206.5355	1011.5704
A	1277.5726	954.5489
L	1390.6567	883.5118
V	1489.7251	770.4277

Q72SP3


IT4 GEVPGGQN[Dea]QQNT[Dhy]GATAANNQQT[Pho]GGTP[Oxi]EQDGDR

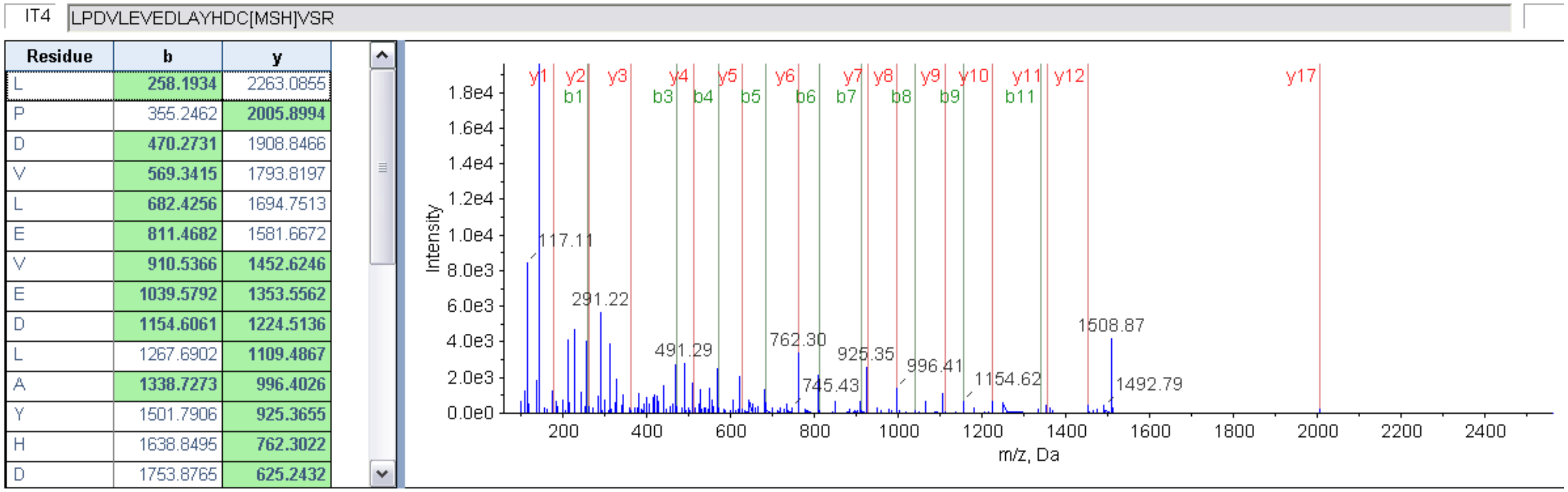
Residue	b	y
G	**202.1308**	3420.4442
E	**331.1734**	3219.3207
V	**430.2418**	3090.2781
P	**527.2946**	2991.2097
G	**584.3160**	2894.1569
G	**641.3375**	2837.1354
Q	769.3961	2780.1140
N[Dea]	**884.4230**	2652.0554
Q	**1012.4816**	2537.0285
Q	**1140.5402**	2408.9699
N	1254.5831	2280.9113
T[Dhy]	1337.6202	2166.8684
G	**1394.6417**	2083.8313
A	1465.6788	**2026.8098**

Q72SH2


IT4 DIYSTDYTLQR

Residue	b	y
D	**260.1363**	**1518.7556**
I	**373.2203**	**1259.6266**
Y	**536.2837**	**1146.5426**
S	**623.3157**	**983.4793**
T	724.3634	**896.4472**
D	**839.3903**	**795.3995**
Y	**1002.4537**	**680.3726**
T	**1103.5013**	**517.3093**
L	1216.5854	**416.2616**
Q	1344.6440	**303.1775**
R	**1500.7451**	**175.1190**

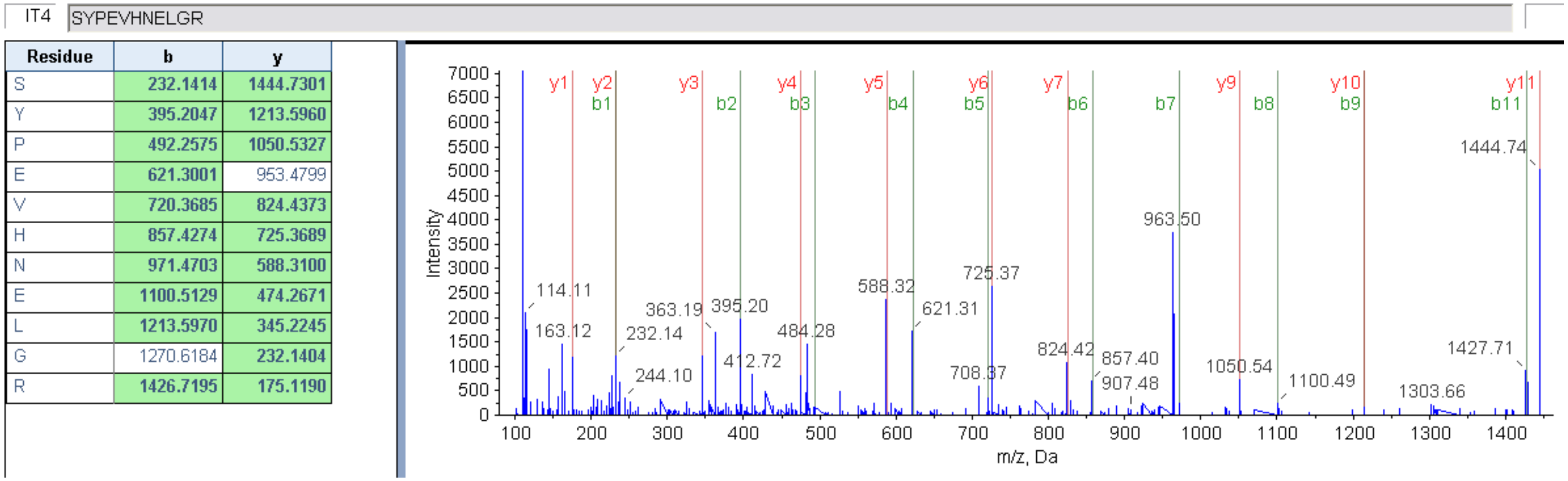
Q72S33



IT4 LPDVLEVEDLAYHDC[MSH]VSR

Residue	b	y
L	**258.1934**	2263.0855
P	355.2462	**2005.8994**
D	**470.2731**	1908.8466
V	**569.3415**	1793.8197
L	**682.4256**	1694.7513
E	**811.4682**	1581.6672
V	**910.5366**	**1452.6246**
E	**1039.5792**	**1353.5562**
D	**1154.6061**	**1224.5136**
L	1267.6902	**1109.4867**
A	**1338.7273**	**996.4026**
Y	1501.7906	**925.3655**
H	1638.8495	**762.3022**
D	1753.8765	**625.2432**

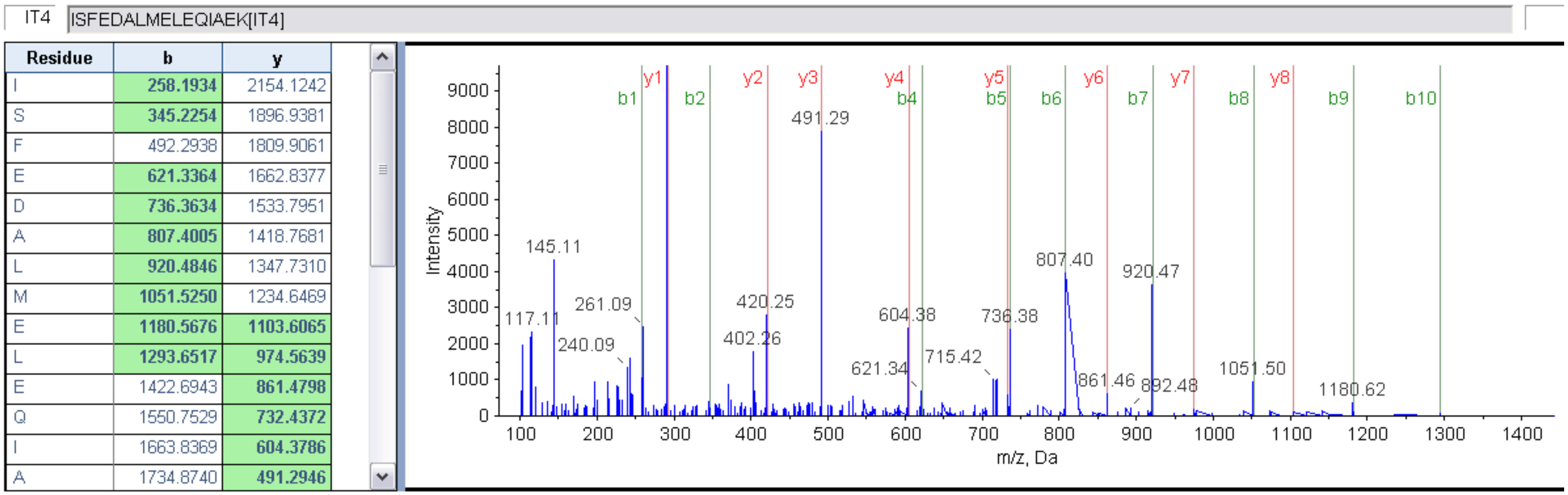
Q72RZ8



IT4 SYPEVHNELGR

Residue	b	y
S	**232.1414**	**1444.7301**
Y	**395.2047**	**1213.5960**
P	**492.2575**	**1050.5327**
E	**621.3001**	953.4799
V	**720.3685**	**824.4373**
H	**857.4274**	**725.3689**
N	**971.4703**	**588.3100**
E	**1100.5129**	**474.2671**
L	**1213.5970**	**345.2245**
G	1270.6184	**232.1404**
R	**1426.7195**	**175.1190**

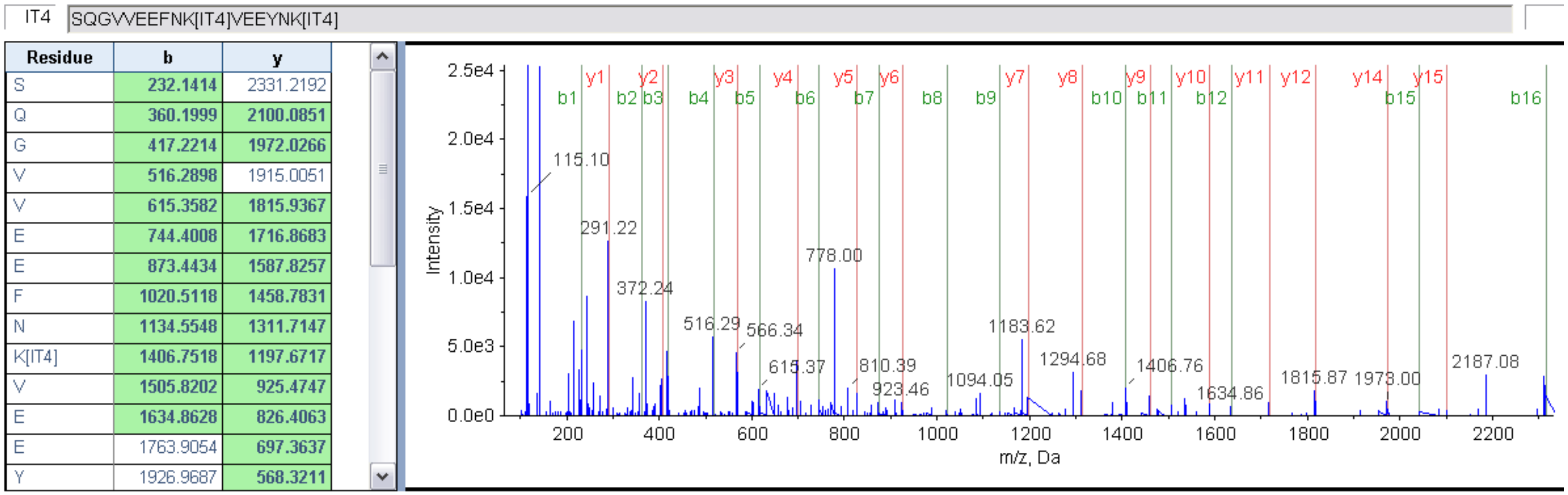
Q72RW3



IT4 ISFEDALMELEQIAEK[IT4]

Residue	b	y
I	**258.1934**	2154.1242
S	**345.2254**	1896.9381
F	492.2938	1809.9061
E	**621.3364**	1662.8377
D	**736.3634**	1533.7951
A	**807.4005**	1418.7681
L	**920.4846**	1347.7310
M	**1051.5250**	1234.6469
E	**1180.5676**	**1103.6065**
L	**1293.6517**	**974.5639**
E	1422.6943	**861.4798**
Q	1550.7529	**732.4372**
I	1663.8369	**604.3786**
A	1734.8740	**491.2946**

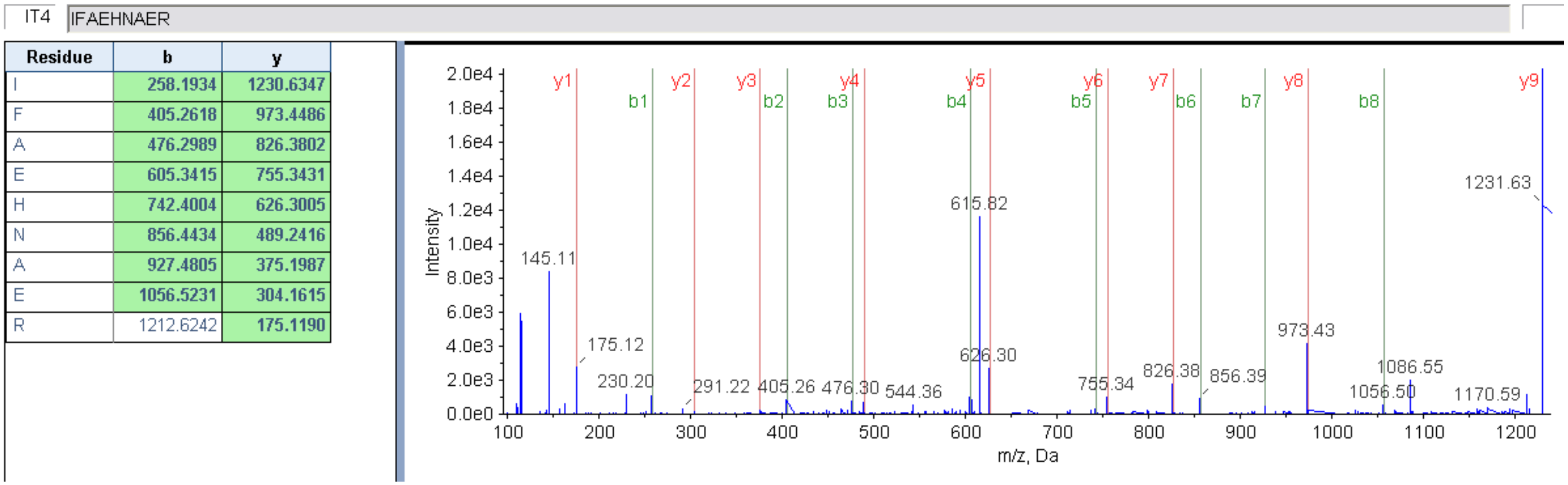
Q72RS0



IT4 SQGVVEEFNK[IT4]VEEYNK[IT4]

Residue	b	y
S	**232.1414**	2331.2192
Q	**360.1999**	**2100.0851**
G	**417.2214**	**1972.0266**
V	**516.2898**	1915.0051
V	**615.3582**	**1815.9367**
E	**744.4008**	**1716.8683**
E	**873.4434**	**1587.8257**
F	**1020.5118**	**1458.7831**
N	**1134.5548**	**1311.7147**
K[IT4]	**1406.7518**	**1197.6717**
V	**1505.8202**	**925.4747**
E	**1634.8628**	**826.4063**
E	1763.9054	**697.3637**
Y	1926.9687	**568.3211**

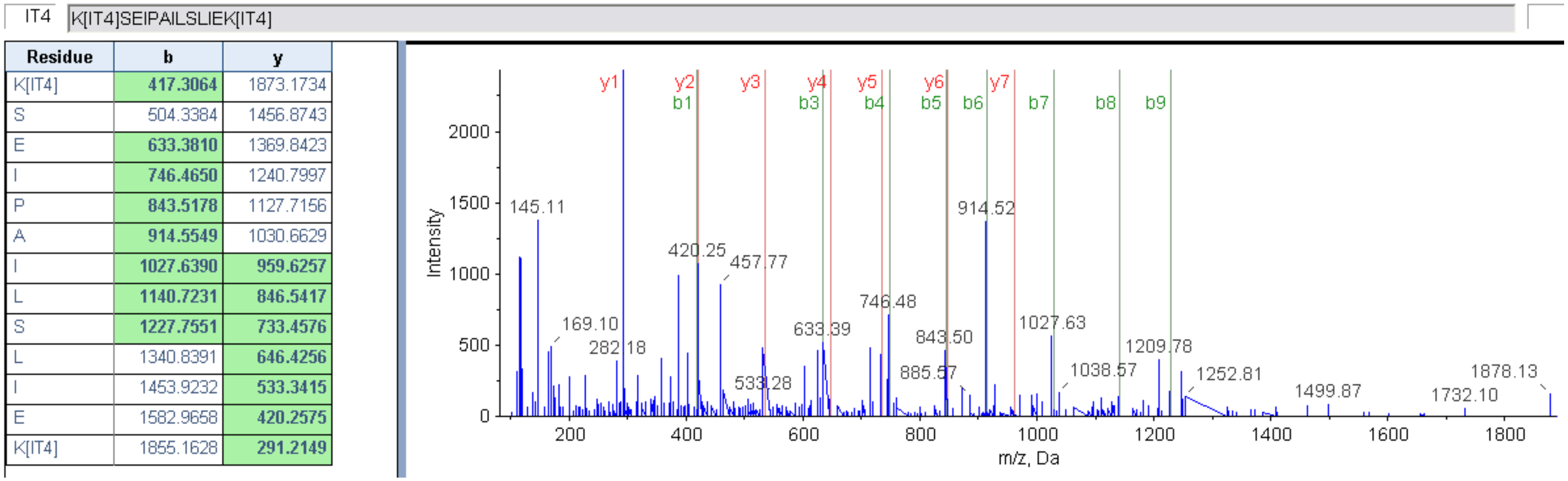
Q72QM9



IT4 IFAEHNAER

Residue	b	y
I	258.1934	1230.6347
F	405.2618	973.4486
A	476.2989	826.3802
E	605.3415	755.3431
H	742.4004	626.3005
N	856.4434	489.2416
A	927.4805	375.1987
E	1056.5231	304.1615
R	1212.6242	175.1190

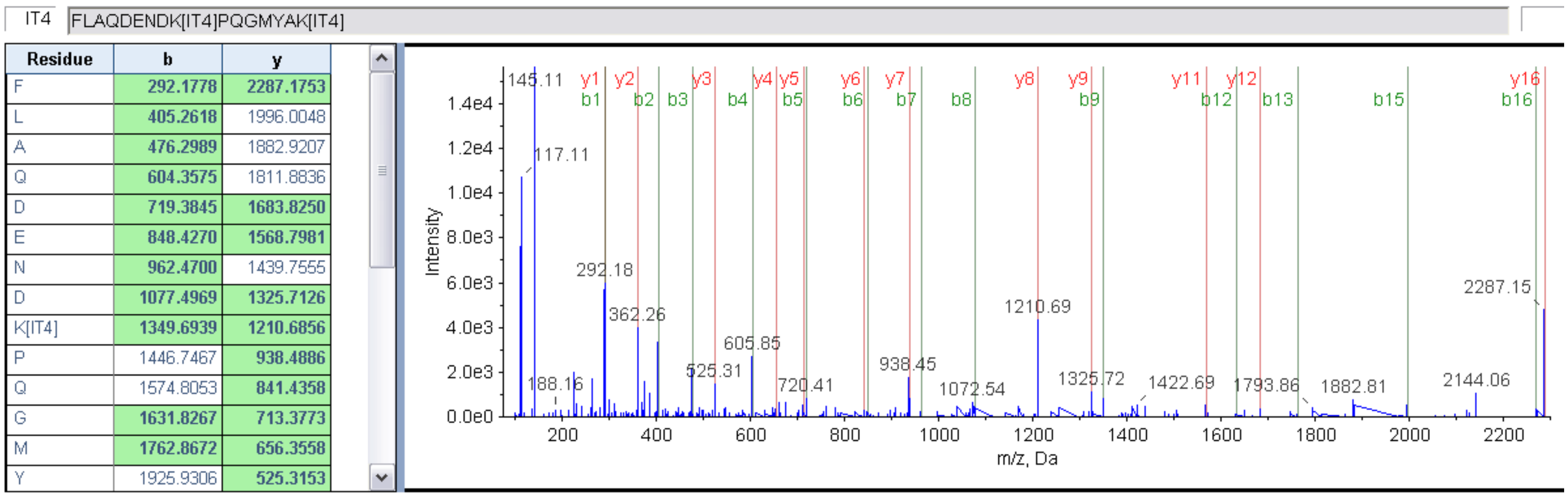
Q72PU6



IT4 K[IT4]SEIPAILSLIEK[IT4]

Residue	b	y
K[IT4]	417.3064	1873.1734
S	504.3384	1456.8743
E	633.3810	1369.8423
I	746.4650	1240.7997
P	843.5178	1127.7156
A	914.5549	1030.6629
I	1027.6390	959.6257
L	1140.7231	846.5417
S	1227.7551	733.4576
L	1340.8391	646.4256
I	1453.9232	533.3415
E	1582.9658	420.2575
K[IT4]	1855.1628	291.2149

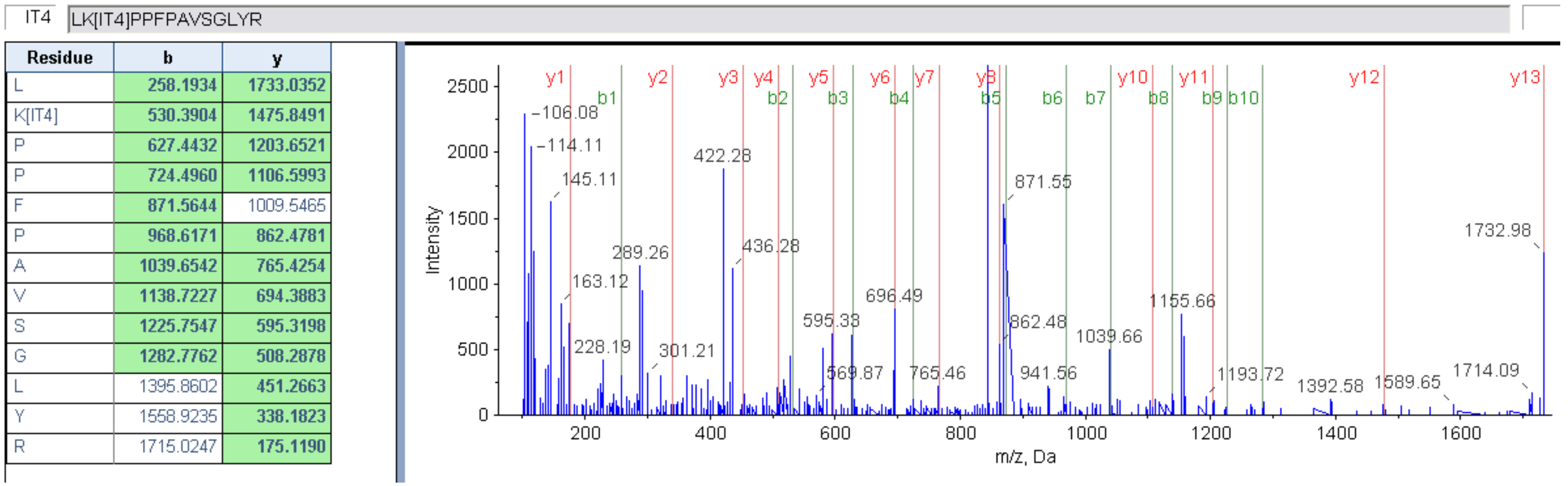
Q72NT3



IT4 FLAQDENDK[IT4]PQGMYAK[IT4]

Residue	b	y
F	292.1778	2287.1753
L	405.2618	1996.0048
A	476.2989	1882.9207
Q	604.3575	1811.8836
D	719.3845	1683.8250
E	848.4270	1568.7981
N	962.4700	1439.7555
D	1077.4969	1325.7126
K[IT4]	1349.6939	1210.6856
P	1446.7467	938.4886
Q	1574.8053	841.4358
G	1631.8267	713.3773
M	1762.8672	656.3558
Y	1925.9306	525.3153

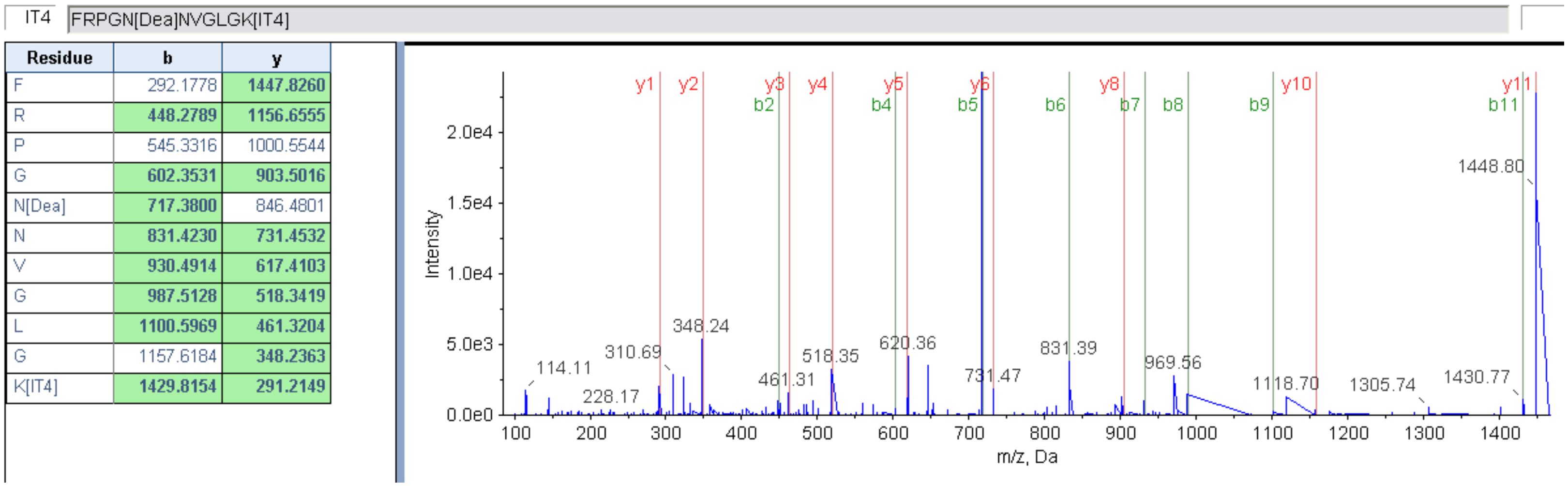
Q72NQ6



IT4 LK[IT4]PPFPAVSGLYR

Residue	b	y
L	258.1934	1733.0352
K[IT4]	530.3904	1475.8491
P	627.4432	1203.6521
P	724.4960	1106.5993
F	871.5644	1009.5465
P	968.6171	862.4781
A	1039.6542	765.4254
V	1138.7227	694.3883
S	1225.7547	595.3198
G	1282.7762	508.2878
L	1395.8602	451.2663
Y	1558.9235	338.1823
R	1715.0247	175.1190

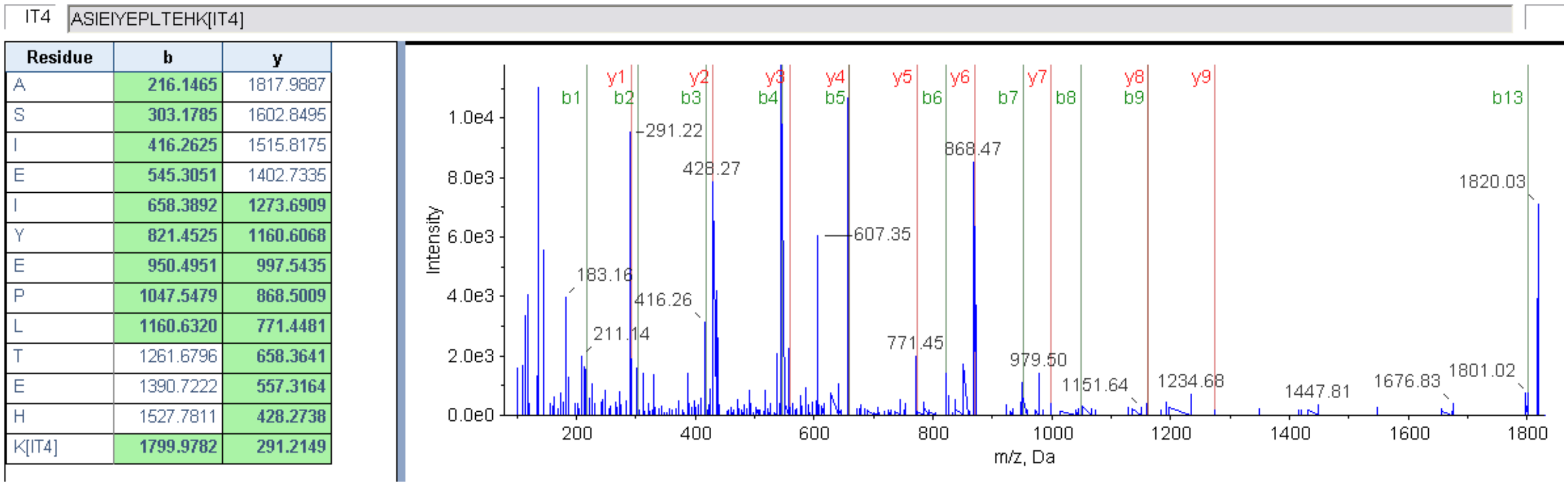
Q72MG4



IT4 FRPGN[Dea]NVGLGK[IT4]

Residue	b	y
F	292.1778	**1447.8260**
R	**448.2789**	**1156.6555**
P	545.3316	1000.5544
G	**602.3531**	**903.5016**
N[Dea]	**717.3800**	846.4801
N	**831.4230**	**731.4532**
V	**930.4914**	**617.4103**
G	**987.5128**	**518.3419**
L	**1100.5969**	**461.3204**
G	1157.6184	**348.2363**
K[IT4]	**1429.8154**	**291.2149**

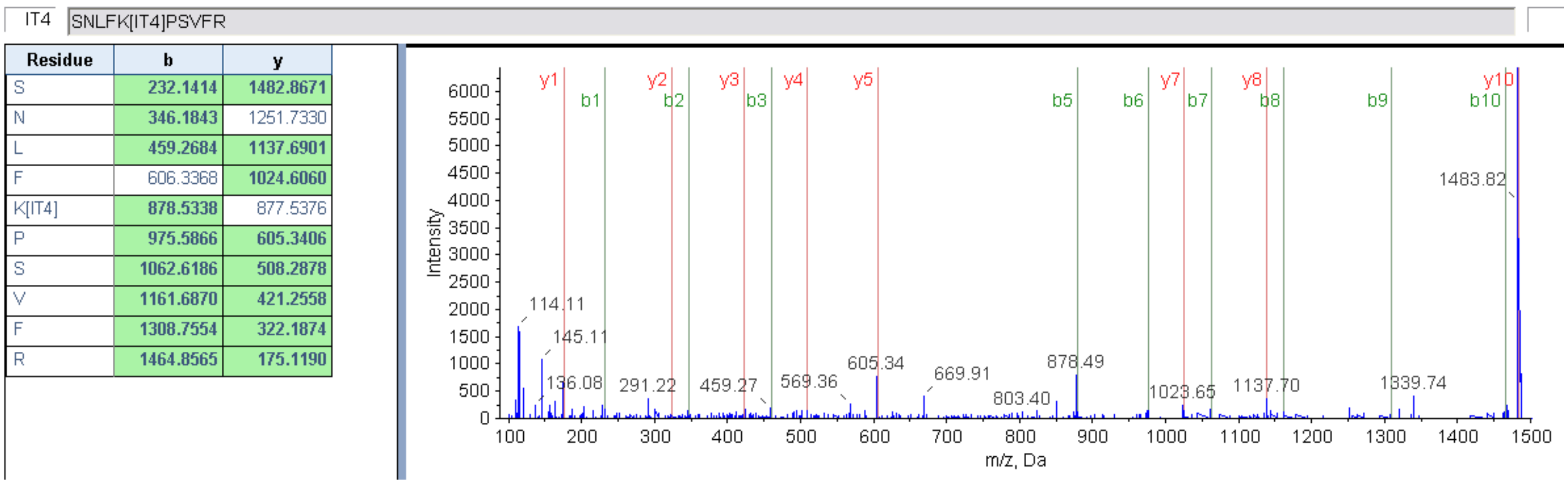
Q72M59



IT4 ASIEIYEPLTEHK[IT4]

Residue	b	y
A	**216.1465**	1817.9887
S	**303.1785**	1602.8495
I	**416.2625**	1515.8175
E	**545.3051**	1402.7335
I	**658.3892**	**1273.6909**
Y	**821.4525**	**1160.6068**
E	**950.4951**	**997.5435**
P	**1047.5479**	**868.5009**
L	**1160.6320**	**771.4481**
T	1261.6796	**658.3641**
E	1390.7222	**557.3164**
H	1527.7811	**428.2738**
K[IT4]	**1799.9782**	**291.2149**

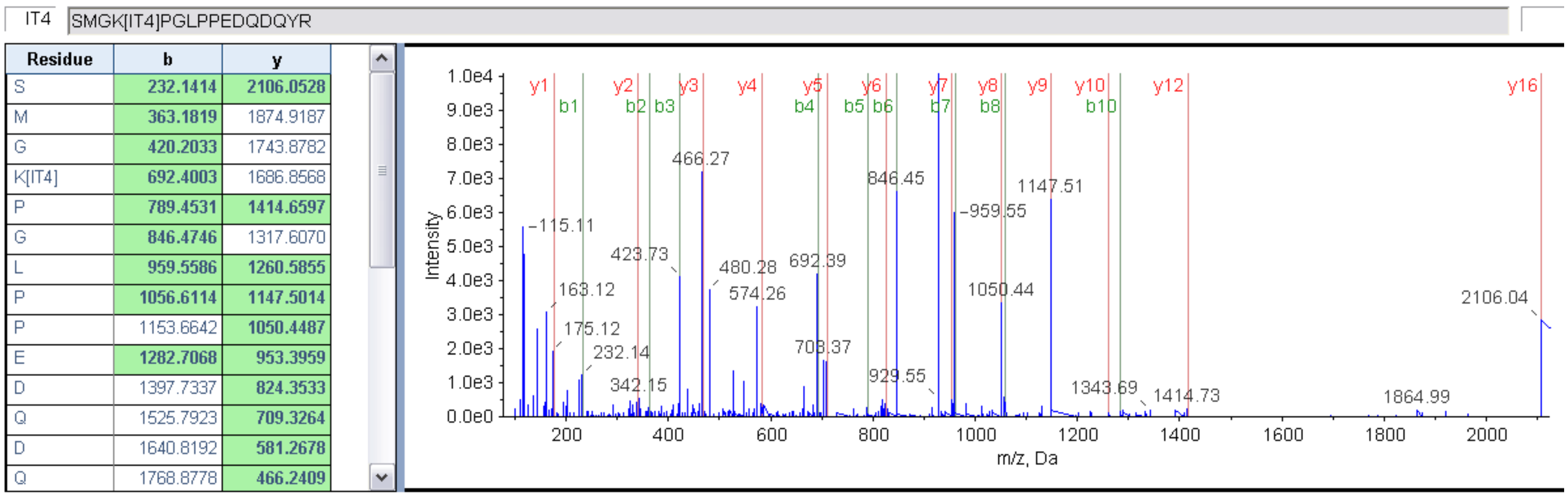
Q72LZ8



IT4 SNLFK[IT4]PSVFR

Residue	b	y
S	232.1414	1482.8671
N	346.1843	1251.7330
L	459.2684	1137.6901
F	606.3368	1024.6060
K[IT4]	878.5338	877.5376
P	975.5866	605.3406
S	1062.6186	508.2878
V	1161.6870	421.2558
F	1308.7554	322.1874
R	1464.8565	175.1190

Q72LY3



IT4 SMGK[IT4]PGLPPEDQDQYR

Residue	b	y
S	232.1414	2106.0528
M	363.1819	1874.9187
G	420.2033	1743.8782
K[IT4]	692.4003	1686.8568
P	789.4531	1414.6597
G	846.4746	1317.6070
L	959.5586	1260.5855
P	1056.6114	1147.5014
P	1153.6642	1050.4487
E	1282.7068	953.3959
D	1397.7337	824.3533
Q	1525.7923	709.3264
D	1640.8192	581.2678
Q	1768.8778	466.2409

Figure S1 Annotated MS/MS spectra for single peptide represented proteins. Modifications for individual amino acids are displayed in square brackets. The modification names follow the HUPO-PSI Modification Nomenclature for Mass Spectrometry standard (http://www.unimod.org).