

Proteome analysis of hypoxic glioblastoma cells reveals sequential metabolic adaptation of one-carbon metabolic pathways

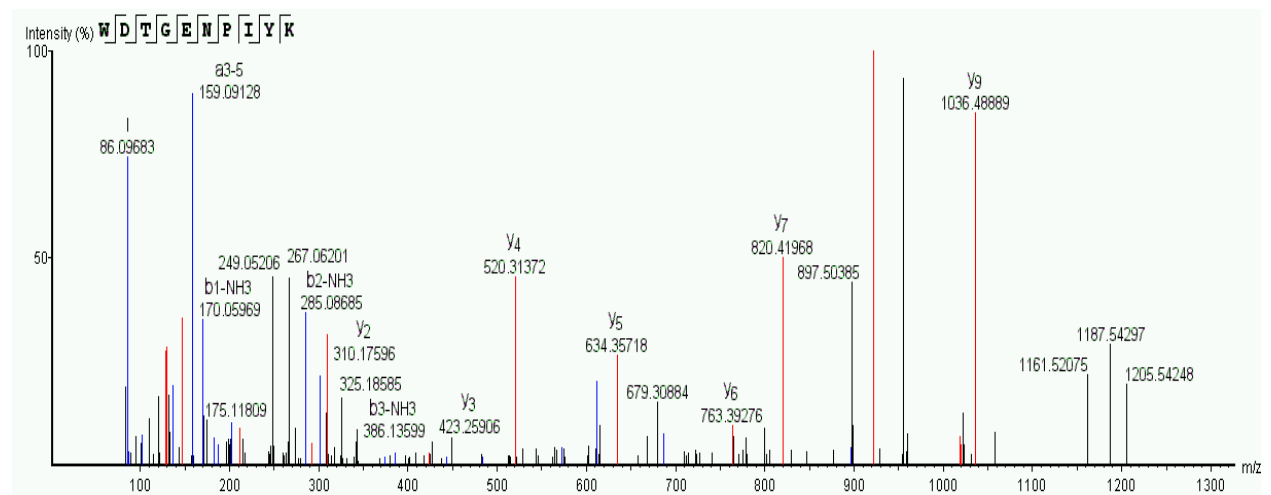
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The MS/MS spectra corresponding to single unique peptides used for protein identification by PEAKS 8

The following MS/MS spectra are numbered based upon the spectrum # in Table S4. Shown are only the MS/MS spectra of peptides belonging to the proteins whose expressions are either ≥ 2.0 (up-regulated, red colored) or ≤ -2.0 (down-regulated, green colored).

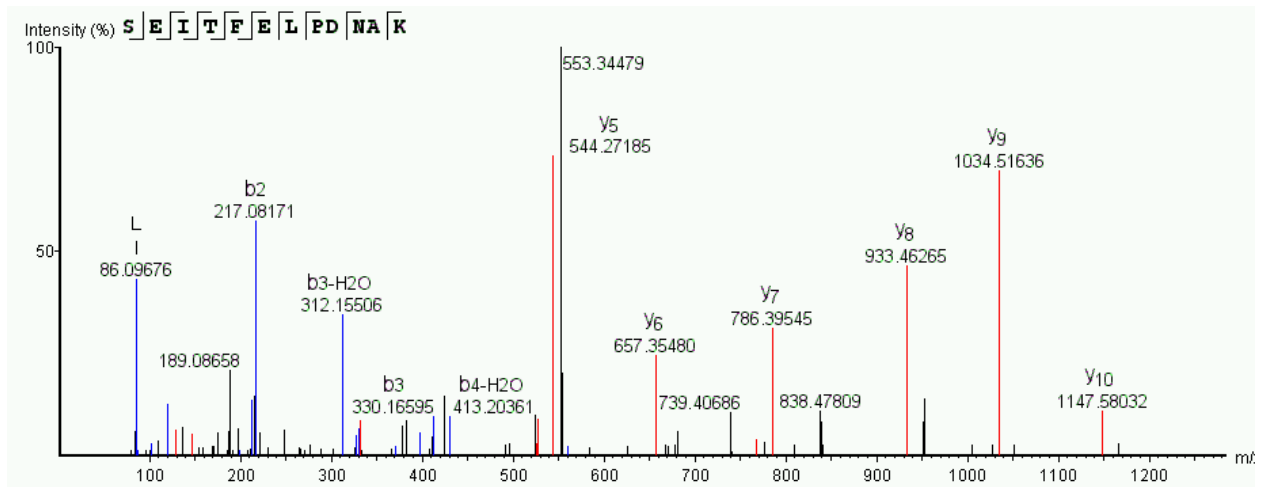
1. MS/MS at m/z 611.79034 (2+, RT=43.9018)



Identified protein:

|P05556|ITB1_HUMAN Integrin beta-1

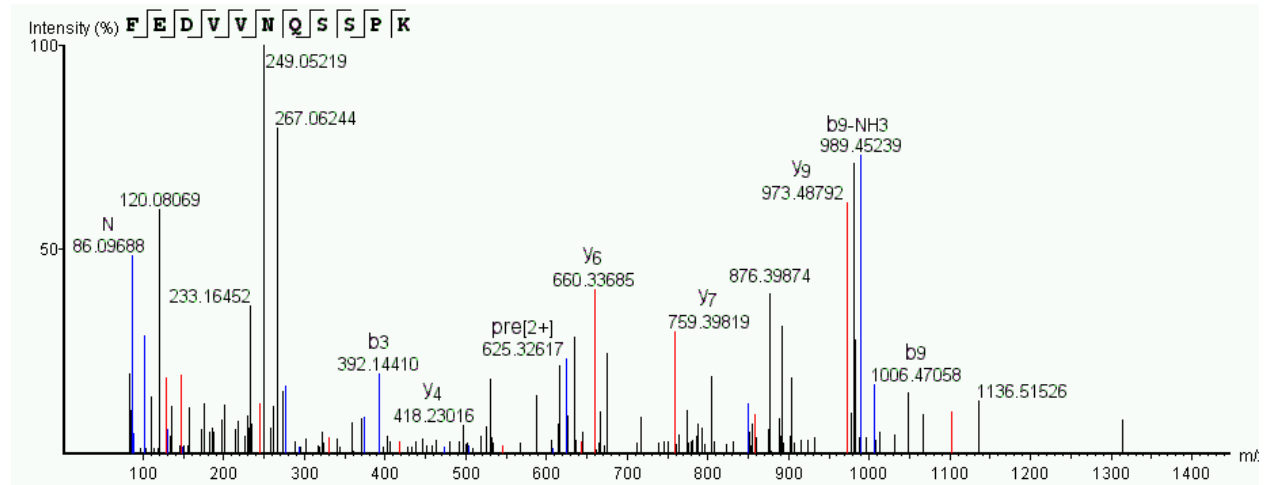
2. MS/MS at m/z 682.3388 (2+, RT=51.6719)



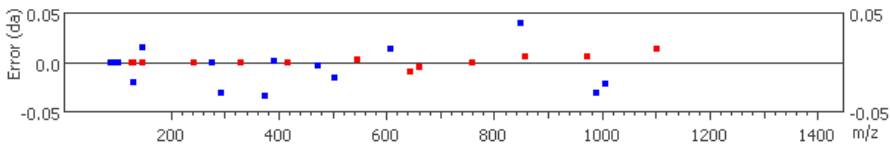
Identified protein:

|Q86XR7-2|TCAM2_HUMAN Isoform 2 of TIR domain-containing adapter molecule 2

3. MS/MS at m/z 625.3075 (2+, RT=35.8162)



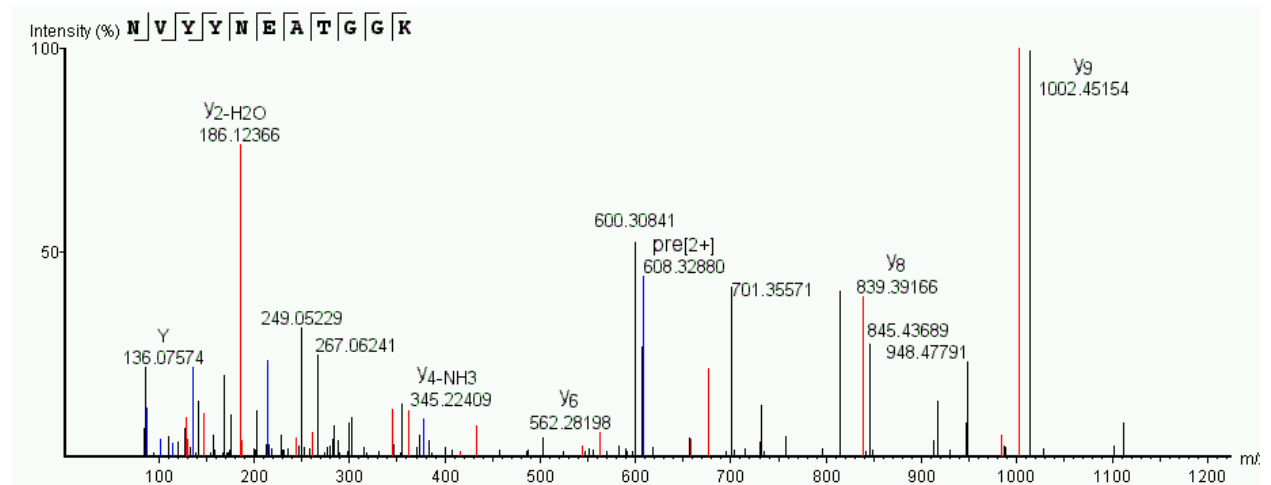
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	120.08123	148.06039	130.08655	131.04922	165.10323	74.53812	F					11
2	102.05531	277.11768	259.10825	260.09183	294.17798	139.05940	E	1102.52222	1084.52698	1085.51050	551.76874	10
3	88.03955	392.14410	374.17004	375.11877	409.17276	196.57288	D	973.48792	955.48431	956.46790	487.24744	9
4	72.08124	491.21417	473.20770	474.18719	508.24118	246.10709	V	858.46118	840.45734	841.44092	429.73395	8
5	72.08124	590.28259	572.27203	573.25562	607.29468	295.64130	V	759.39819	741.38898	742.37256	380.19977	7
6	87.05579	704.32550	686.31494	687.29852	721.35254	352.66275	N	660.33685	642.32056	643.31396	330.66556	6
7	101.07127	832.38409	814.37354	815.35712	849.37012	416.69205	Q	546.28394	528.27759	529.26117	273.64407	5
8	60.04485	919.41614	901.40558	902.38916	936.44318	460.20807	S	418.23016	400.21902	401.20261	209.61479	4
9	60.04485	1006.47058	988.43756	989.45239	1023.47510	503.73956	S	331.19666	313.18701	314.17059	166.09879	3
10	70.06558	1103.50085	1085.49036	1086.47388	1120.52783	552.25043	P	244.16422	226.15498	227.13853	122.58277	2
11	101.10778						K	147.11227	129.10213	130.08655	74.05640	1



Identified protein:

|Q01085|TIAR_HUMAN Nucleolysin TIAR

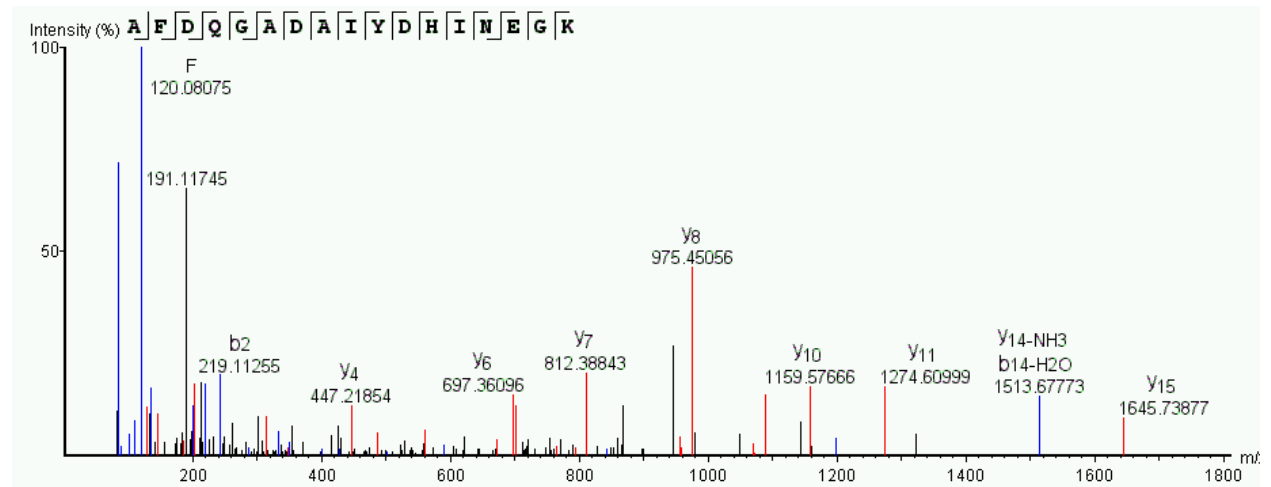
4. MS/MS at m/z 608.28754 (2+, RT=34.4375)



Identified protein:

|P68371|TBB4B_HUMAN Tubulin beta-4B chain

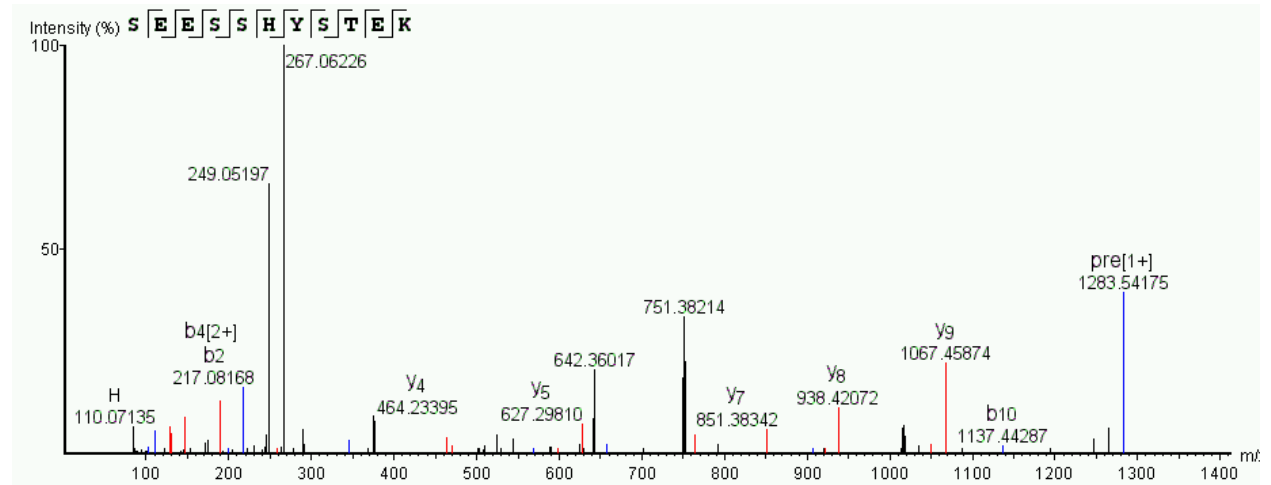
5. MS/MS at m/z 621.95435 (3+, RT=49.0288)



Identified protein

|Q9UDW1|QCR9_HUMAN Cytochrome b-c1 complex subunit 9

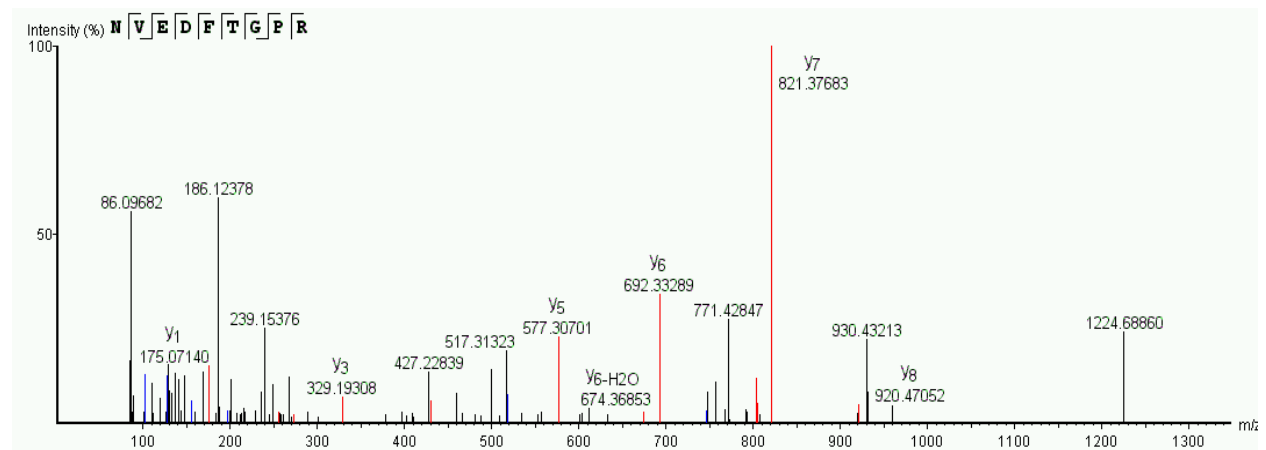
6. MS/MS at m/z (2+, RT=20.7864)



Identified protein:

|P55265-5|DSRAD_HUMAN Isoform 5 of Double-stranded RNA-specific adenosine deaminase

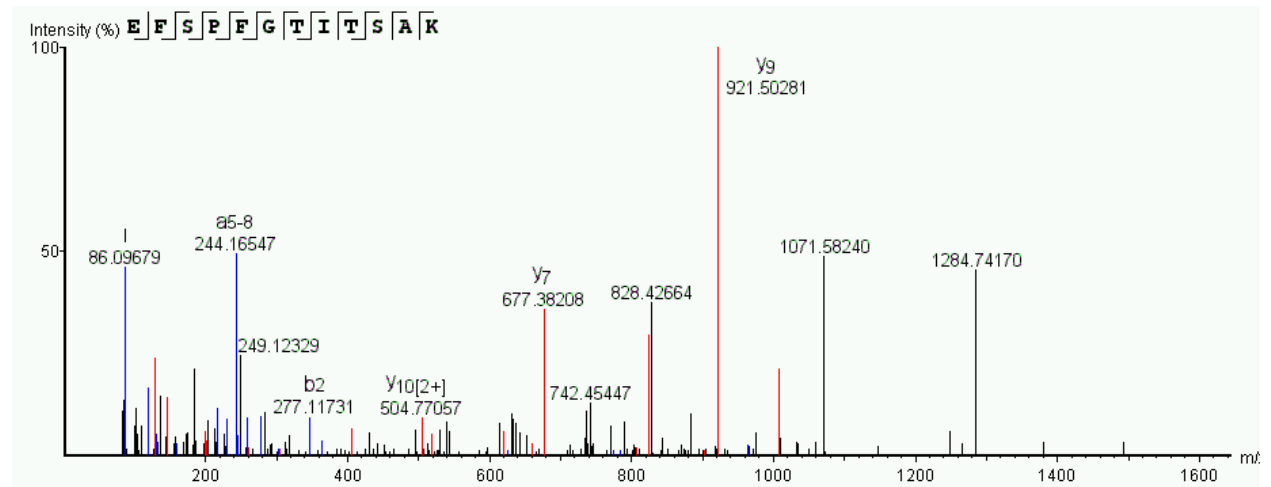
7. MS/MS at m/z 517.74866 (2+, RT=37.2314)



Identified protein:

|P61009|SPCS3_HUMAN Signal peptidase complex subunit 3

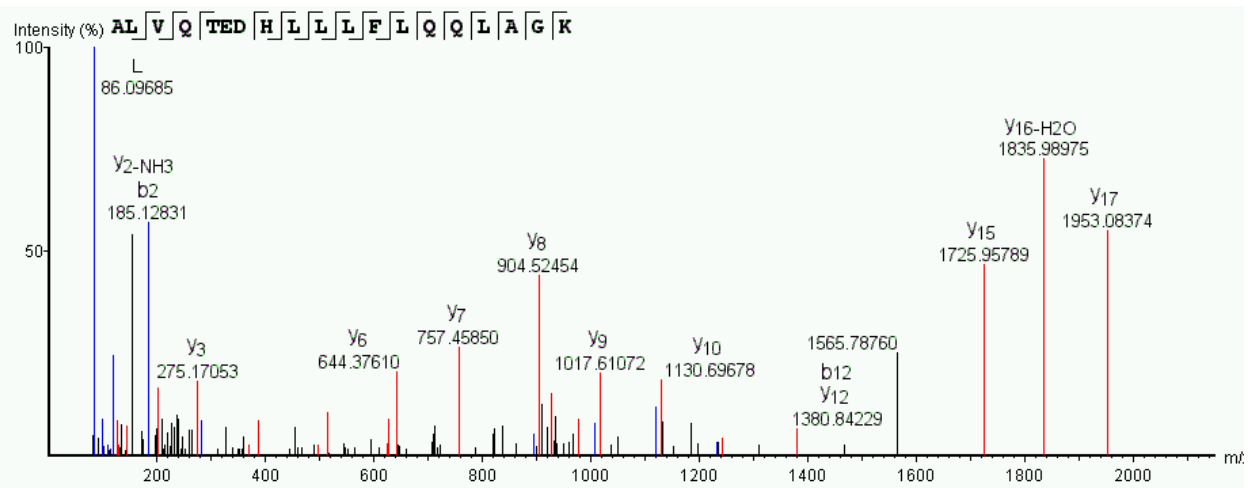
8. MS/MS at m/z 642.82635 (2+, RT=53.0257)



Identified protein:

|A0A087WTT1| PABPC1_HUMAN Polyadenylate-binding protein 1

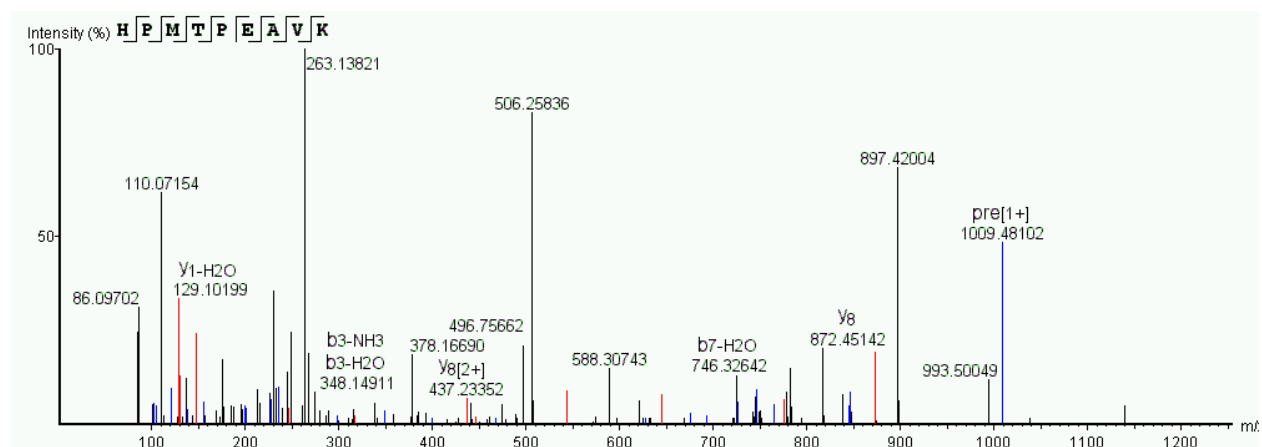
9. MS/MS at m/z 713.0714 (3+, RT=77.0785)



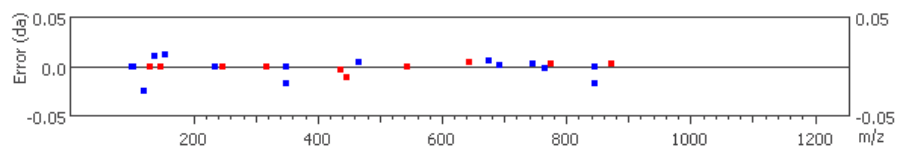
Identified protein:

|Q8N766-4|EMC1_HUMAN Isoform 4 of ER membrane protein complex subunit 1

10. MS/MS at m/z 505.25842 (2+, RT=26.2344)



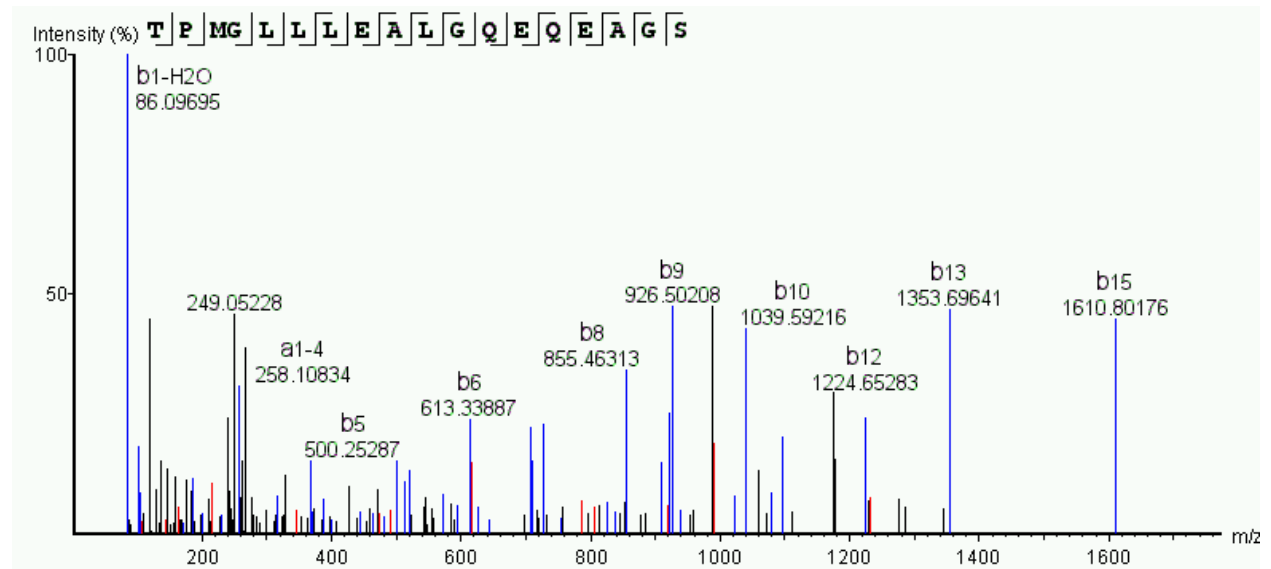
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	110.07174	138.05446	120.08096	121.03974	155.08087	69.53337	H					9
2	70.06558	235.11917	217.10893	218.09248	252.14648	118.05975	P	872.45142	854.44403	855.42761	436.73102	8
3	104.05287	366.15997	348.14911	349.15100	383.18698	183.57999	M	775.39789	757.39130	758.37488	388.20093	7
4	74.06051	467.20157	449.19711	450.18069	484.23468	234.10384	T	644.35547	626.35077	627.33435	322.68066	6
5	70.06558	564.26044	546.24988	547.23346	581.28748	282.63022	P	543.31299	525.30310	526.28668	272.15683	5
6	102.05559	693.29999	675.28589	676.27600	710.33002	347.15149	E	446.27200	428.25034	429.23392	223.63045	4
7	44.04993	764.34271	746.32642	747.31311	781.36713	382.67004	A	317.21738	299.20773	300.19131	159.10915	3
8	72.08124	863.40851	845.39661	846.39905	880.43555	432.20425	V	246.18047	228.17064	229.15419	123.59060	2
9	101.10778						K	147.11249	129.10199	130.08614	74.05640	1



Identified protein:

|E7EWE5|HSD17B4_HUMAN Peroxisomal multifunctional enzyme type 2

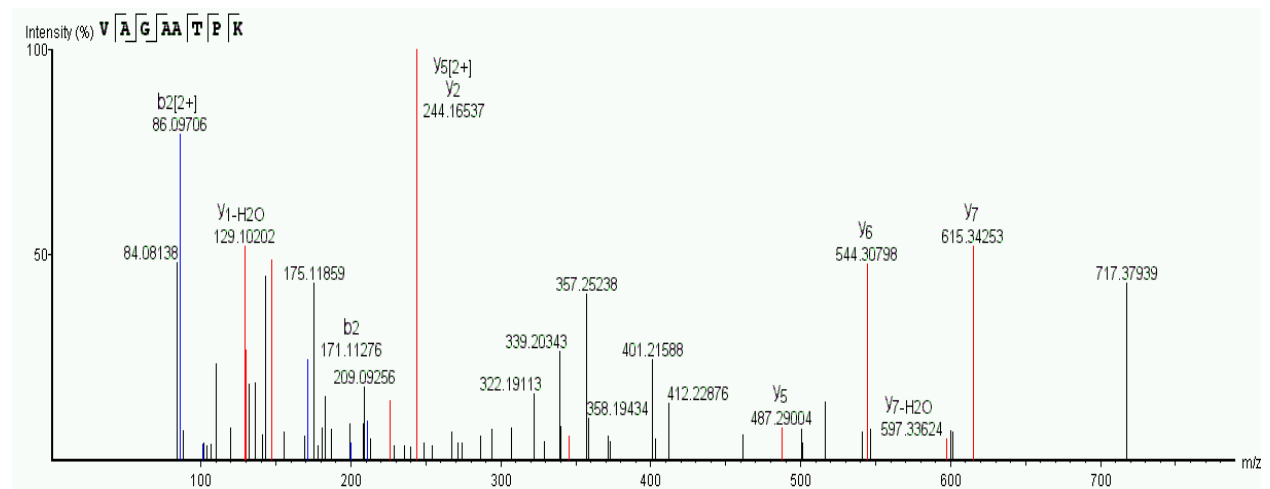
11. MS/MS at m/z 922.46387 (2+, RT=77.5136)



Identified protein:

|O60831|PRAF2_HUMAN PRA1 family protein 2

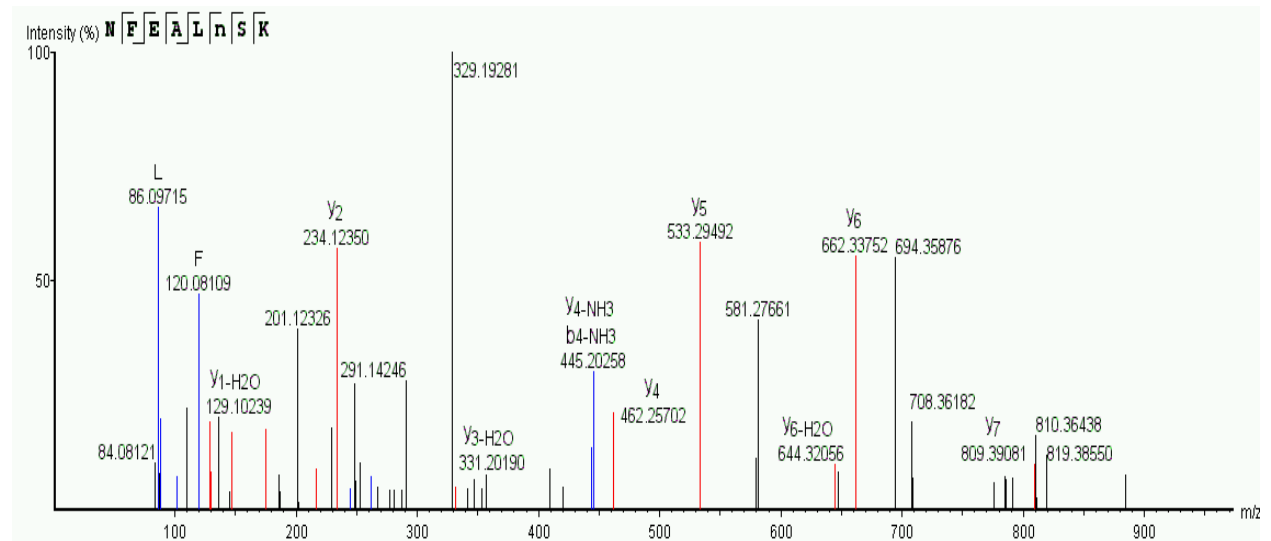
12. MS/MS at m/z 357.7106 (2+, RT=17.6151)



Identified protein

|P16402|H13_HUMAN Histone H1.3

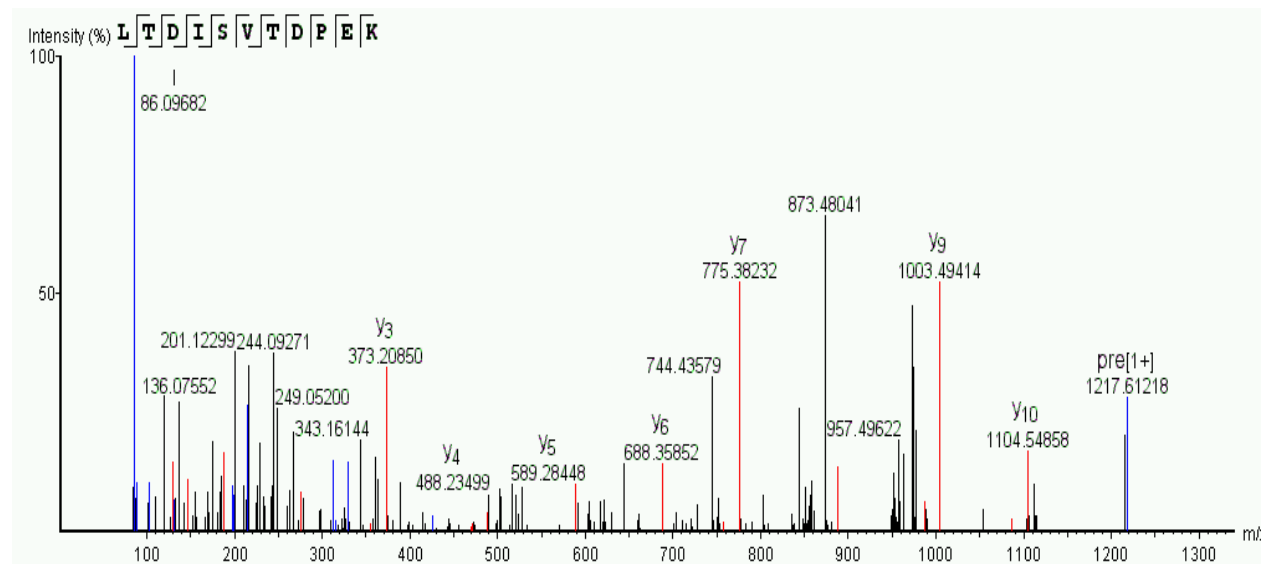
13. MS/MS at m/z 462.22717 (2+, RT=30.9703)



Identified protein:

|K7EMY3|CHD5_HUMAN Chromodomain-helicase-DNA-binding protein 5 (Fragment)

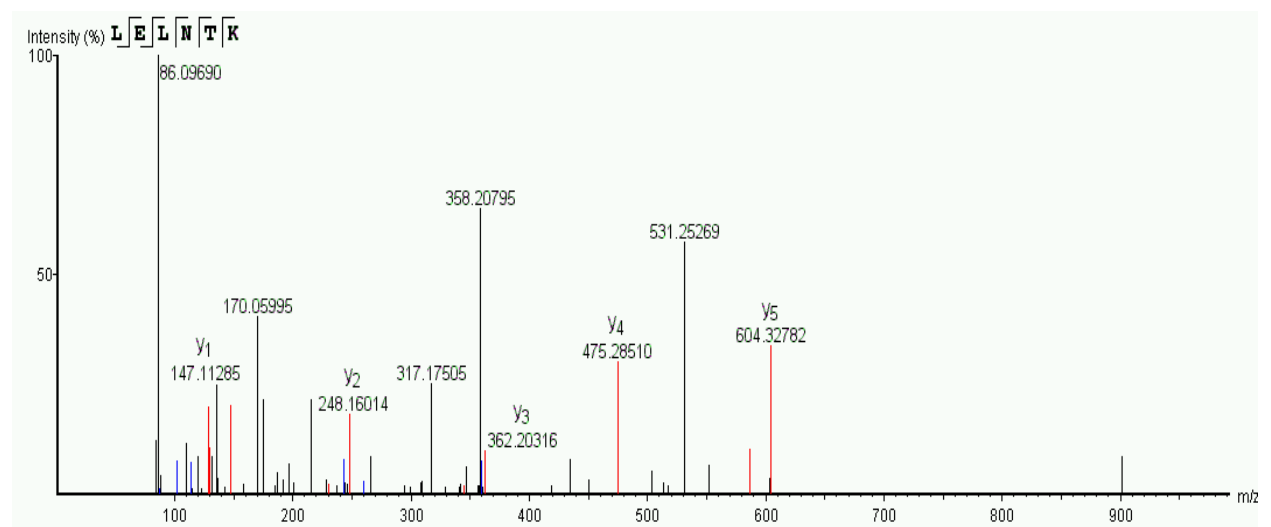
14. MS/MS at m/z 609.3177 (2+, RT=39.7965)



Identified protein:

|Q9Y333|LSM2_HUMAN U6 snRNA-associated Sm-like protein LSM2 OS=Homo sapiens

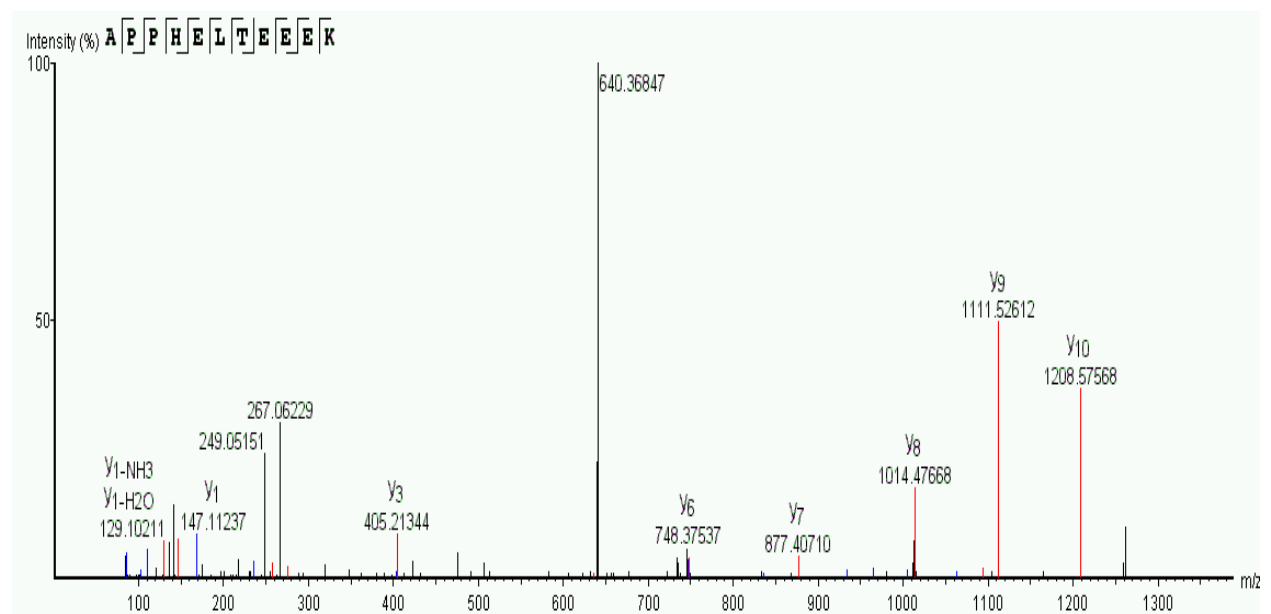
15. MS/MS of precursor ion at m/z 359.21036 (2+, RT=28.0345)



Identified Protein:

|Q9H1H9-4|KI13A_HUMAN

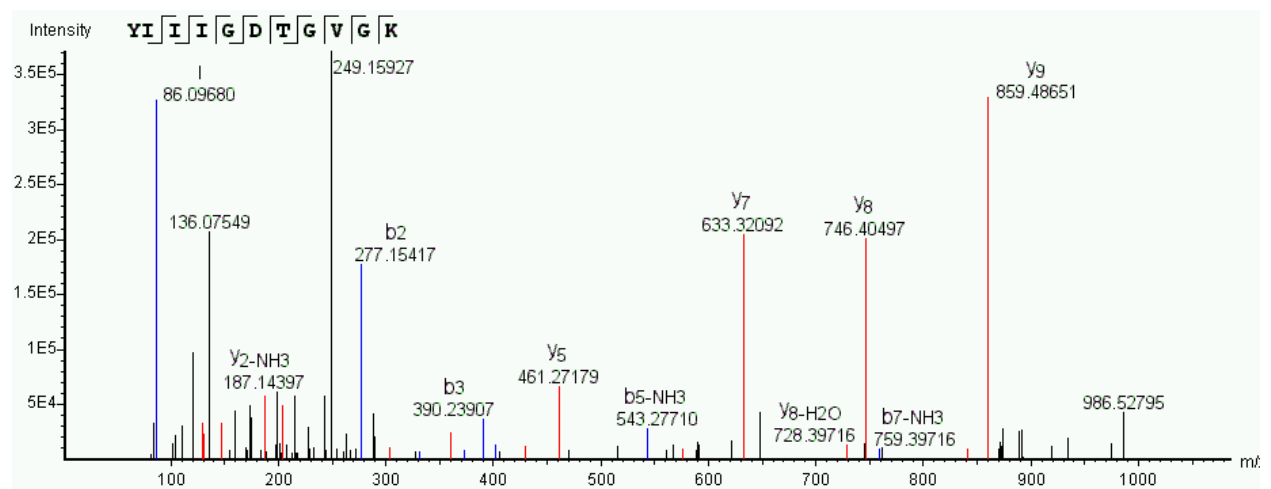
16. MS/MS at m/z 640.31177 (2+, RT=28.8334)



Identified protein:

|Q13409-6|DC112_HUMAN Isoform 2F of Cytoplasmic dynein 1 intermediate chain 2

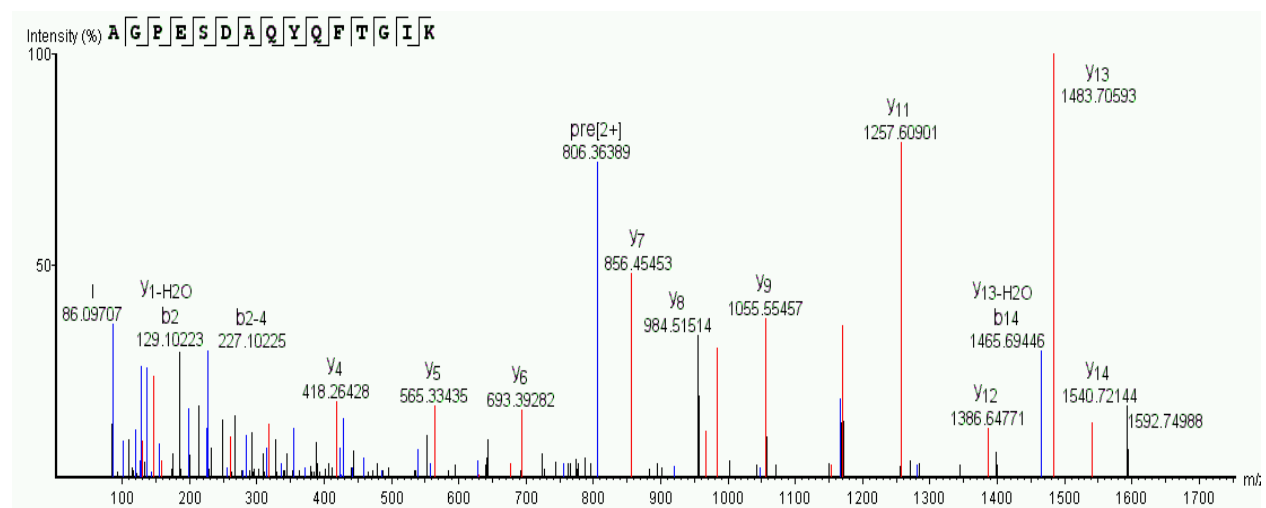
17. MS/MS at m/z 568.3231 (2+, RT=46.9868)



Identified protein:

|P61019|RAB2A_HUMAN Ras-related protein Rab-2A

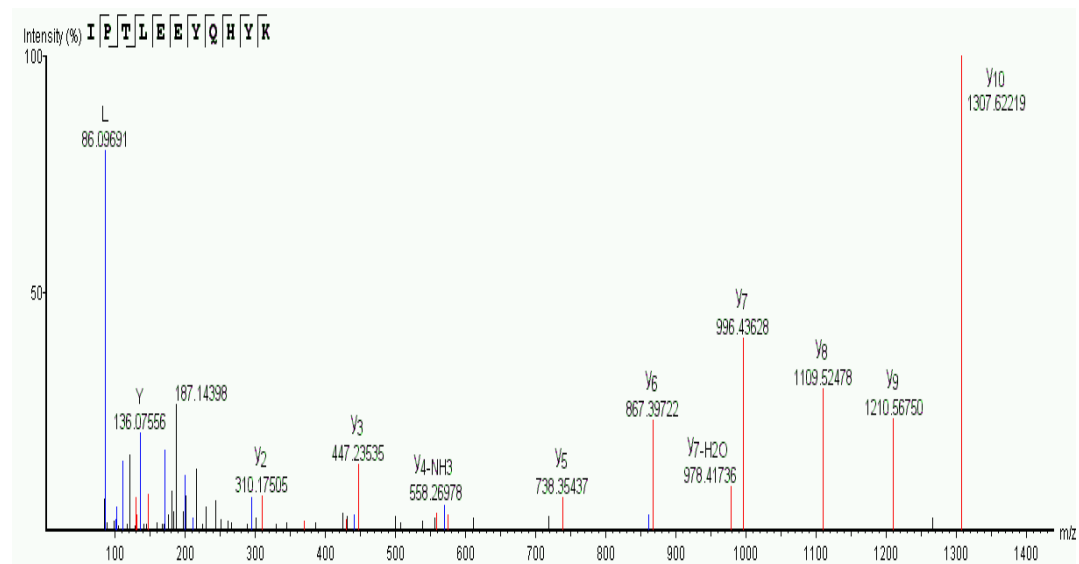
18. MS/MS at m/z 806.3782 (2+, RT=46.5239)



Identified protein:

|Q96IX5|USMG5_HUMAN Up-regulated during skeletal muscle growth protein 5

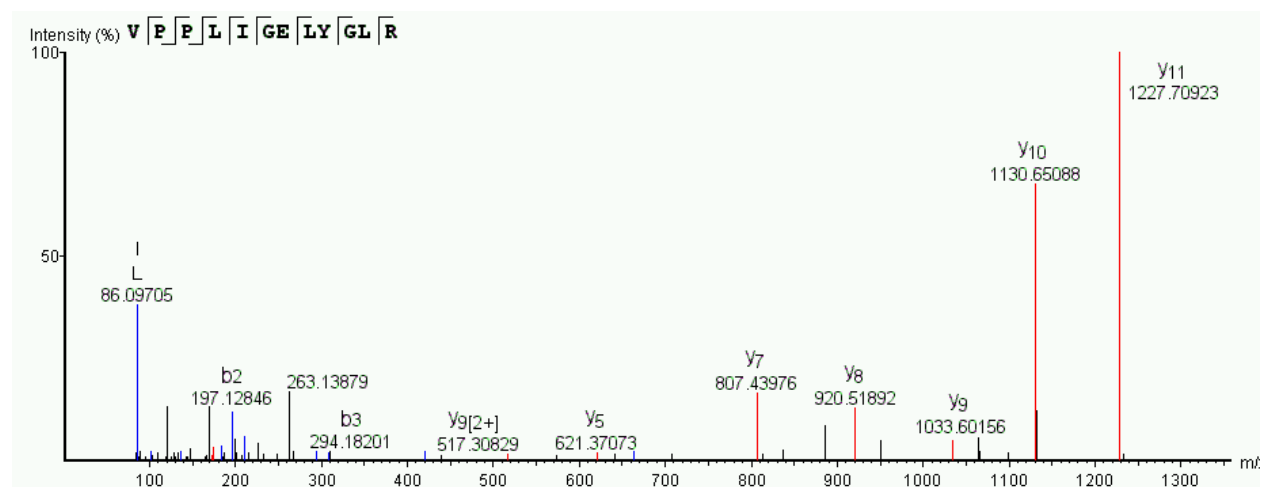
19. MS/MS at 474.23987 (3+, RT=44.9066)



Identified protein:

|P61978-3|HNRPK_HUMAN Isoform 3 of Heterogeneous nuclear ribonucleoprotein K

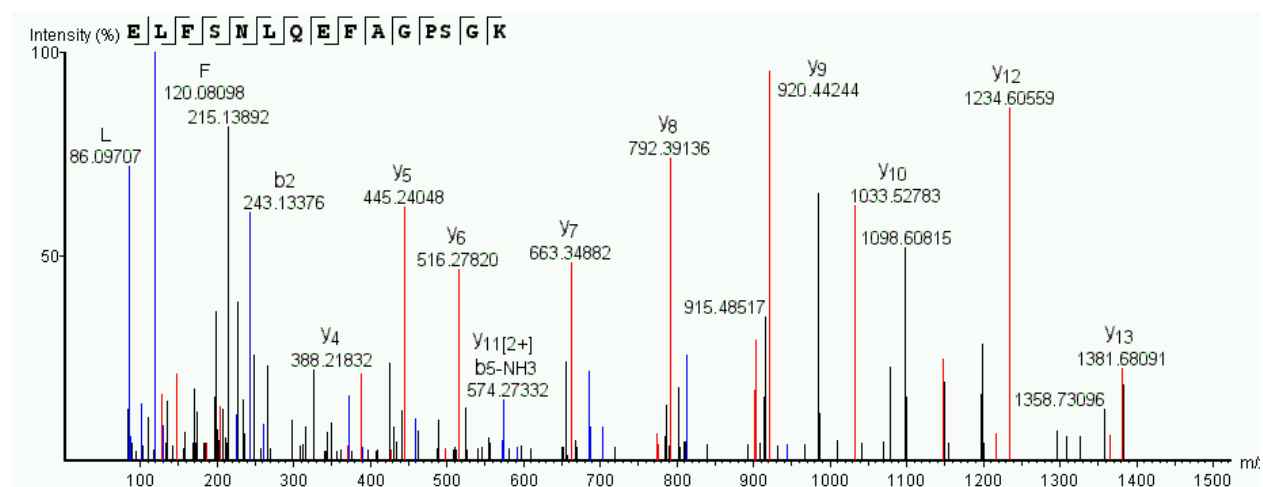
20. MS/MS at m/z 663.8967 (2+, RT=66.0221)



Identified protein:

|Q9P0J0|NDUAD_HUMAN NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13

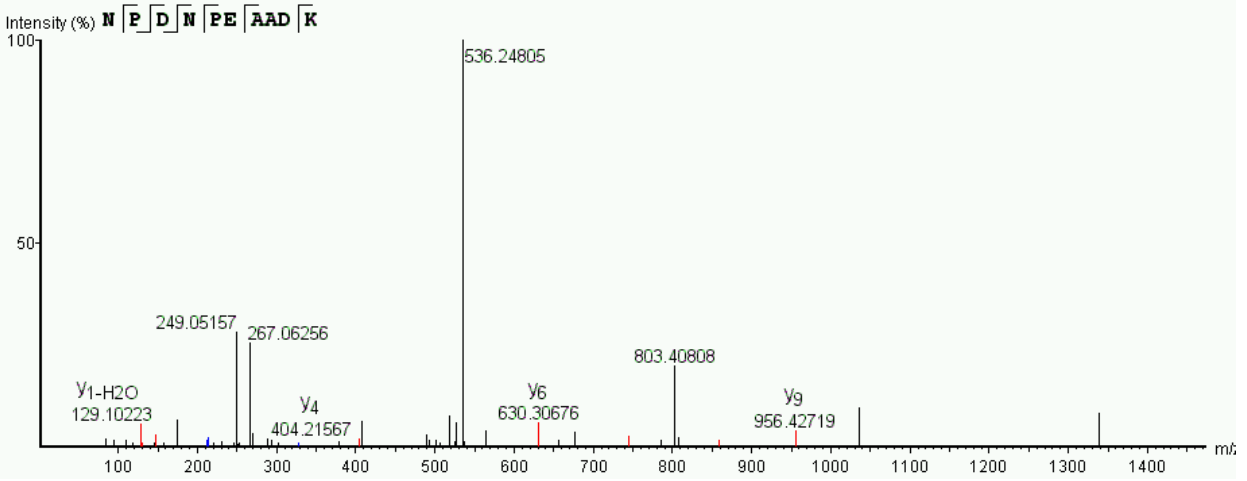
21. MS/MS at m/z 812.40515 (2+, RT=57.4447)



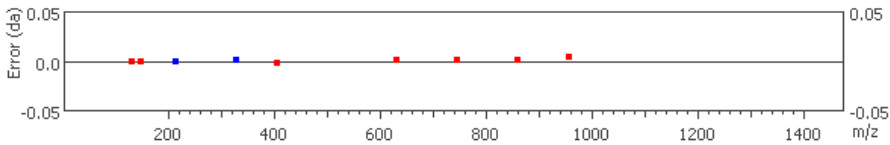
Identified protein:

|F8VQX6|METTL7A_HUMAN Methyltransferase-like protein 7A (Fragment) OS=Homo sapiens GN=PE=1 SV=1

22. MS/MS at m/z 535.7413 (2+, RT=22.9191)



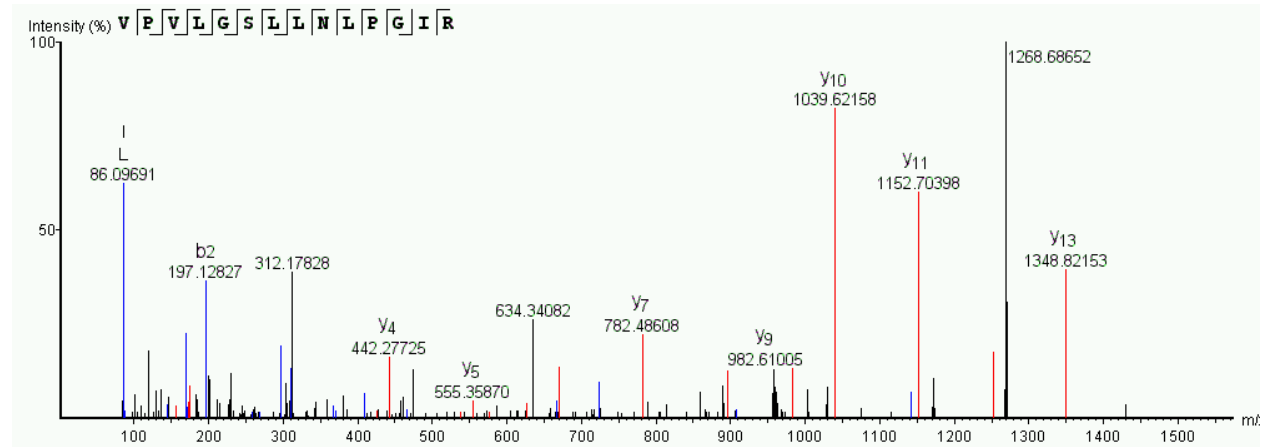
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	87.05576	115.05076	97.04020	98.02376	132.07776	58.02538	N					10
2	70.06558	212.10287	194.09296	195.07651	229.13051	106.55176	P	956.42719	938.42133	939.40491	478.71594	9
3	88.03976	327.12784	309.11987	310.10345	344.15744	164.06522	D	859.37622	841.36859	842.35217	430.18958	8
4	87.05576	441.17337	423.16281	424.14639	458.20038	221.08669	N	744.35016	726.34167	727.32526	372.67612	7
5	70.06558	538.22614	520.21558	521.19916	555.25317	269.61307	P	630.30676	612.29871	613.28229	315.65463	6
6	102.05541	667.26874	649.25818	650.24176	684.29578	334.13437	E	533.25653	515.24597	516.22955	267.12827	5
7	44.04993	738.30585	720.29529	721.27887	755.33289	369.65292	A	404.21567	386.20337	387.18695	202.60696	4
8	44.04993	809.34296	791.33240	792.31598	826.37000	405.17148	A	333.17682	315.16626	316.14984	167.08841	3
9	88.03976	924.36987	906.35931	907.34290	941.39691	462.68494	D	262.13971	244.12917	245.11272	131.56985	2
10	101.10778						K	147.11246	129.10223	130.08585	74.05640	1



Identified protein:

[Q9H3Z4-2] DNJC5_HUMAN Isoform 2 of DnaJ homolog subfamily C member 5

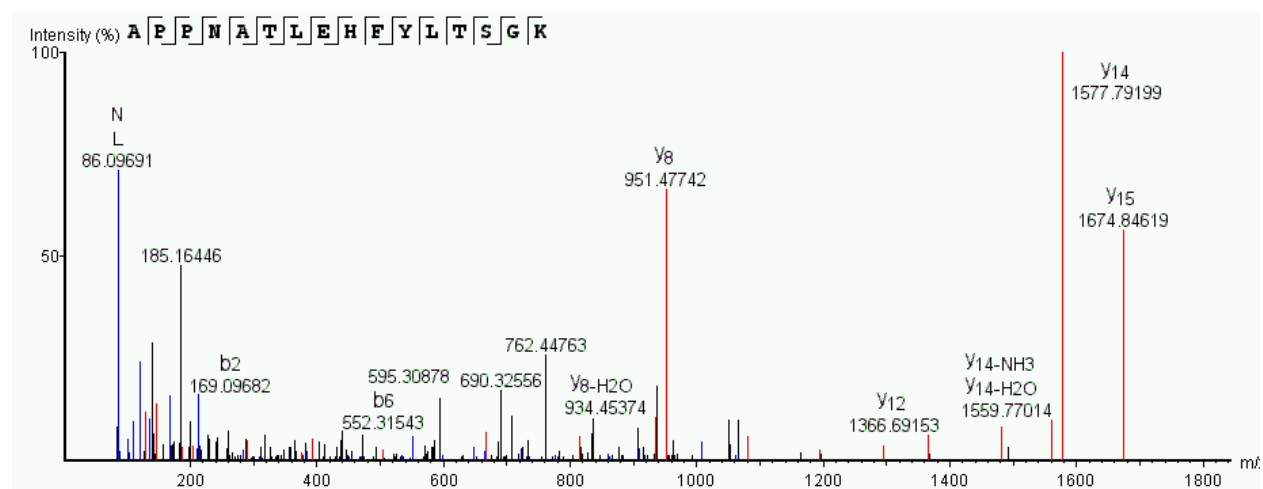
23. MS/MS at m/z 724.4534 (2+, RT=69.7751)



Identified protein:

|G3V1U5|GOLT1B_HUMAN Golgi transport 1 homolog B (S. cerevisiae), isoform CRA_c

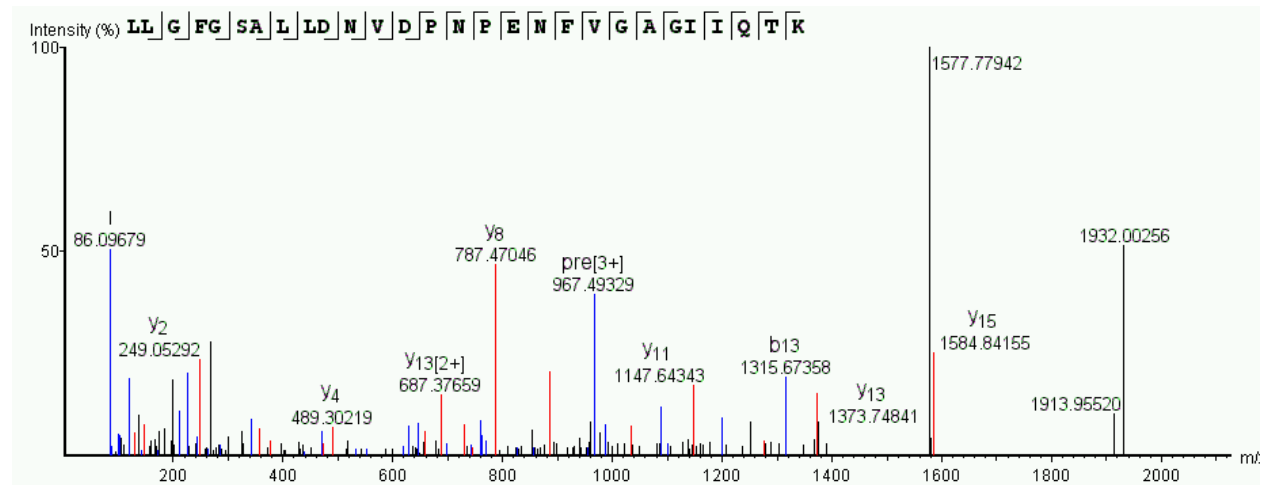
24. MS/MS at m/z 582.63007 (3+, RT=49.4318)



Identified protein:

[H0YNU7] CERS2_HUMAN Ceramide synthase 2 OS=Homo sapiens GN= PE=1 SV=2

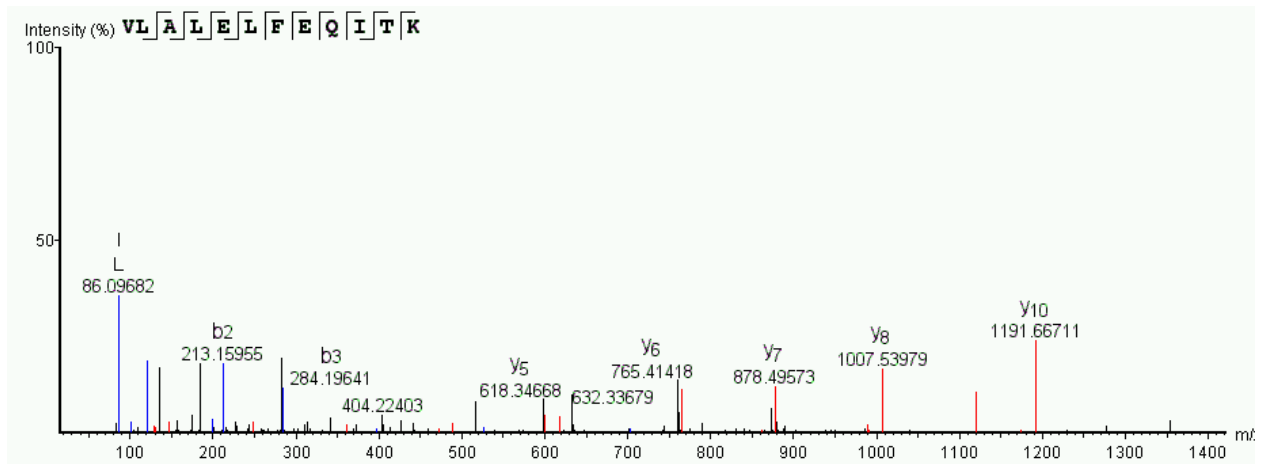
25. MS/MS at m/z 967.17175 (3+, RT=73.6381)



Identified protein:

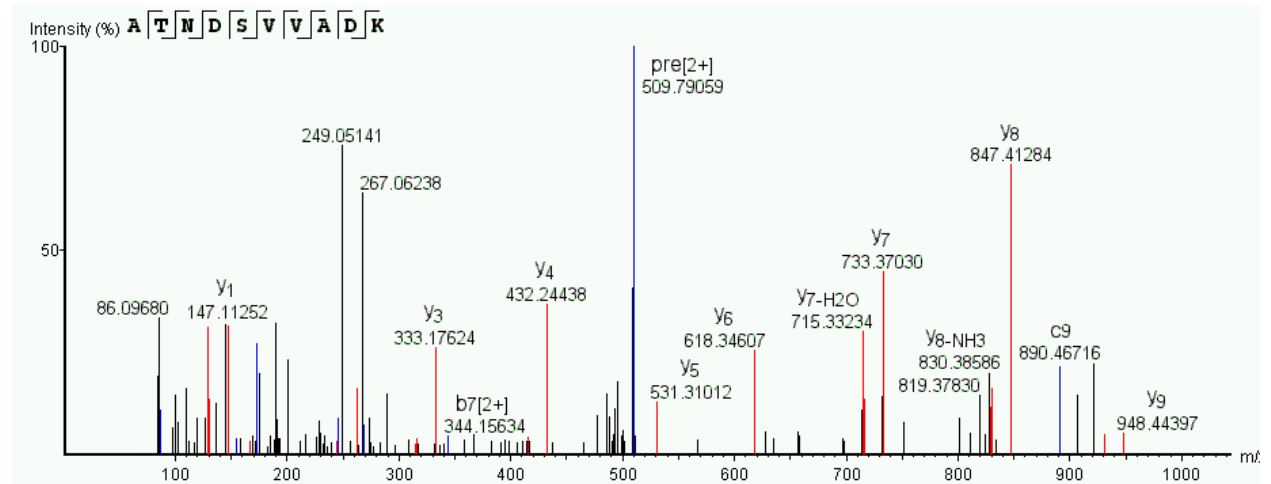
|O95782-2|AP2A1_HUMAN Isoform B of AP-2 complex subunit alpha-1

26. MS/MS at m/z 702.41125 (2+, RT=72.2845)



|P19525-2|E2AK2_HUMAN Isoform 2 of Interferon-induced, double-stranded RNA-activated protein kinase

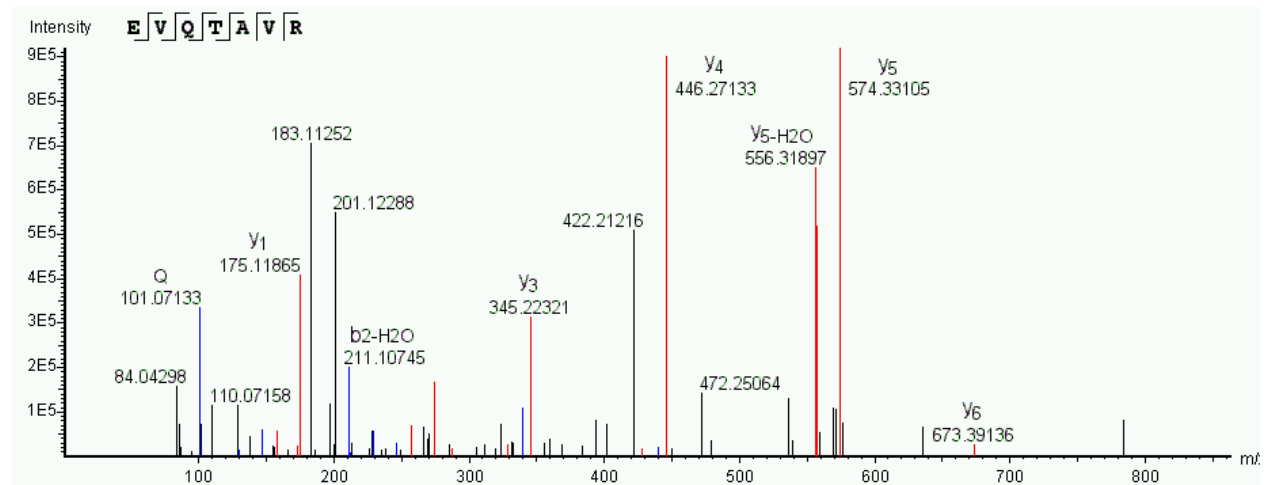
27. MS/MS at m/z 510.25418 (2+, RT=24.0974)



Identified protein:

|P40306|PSB10_HUMAN Proteasome subunit beta type-10

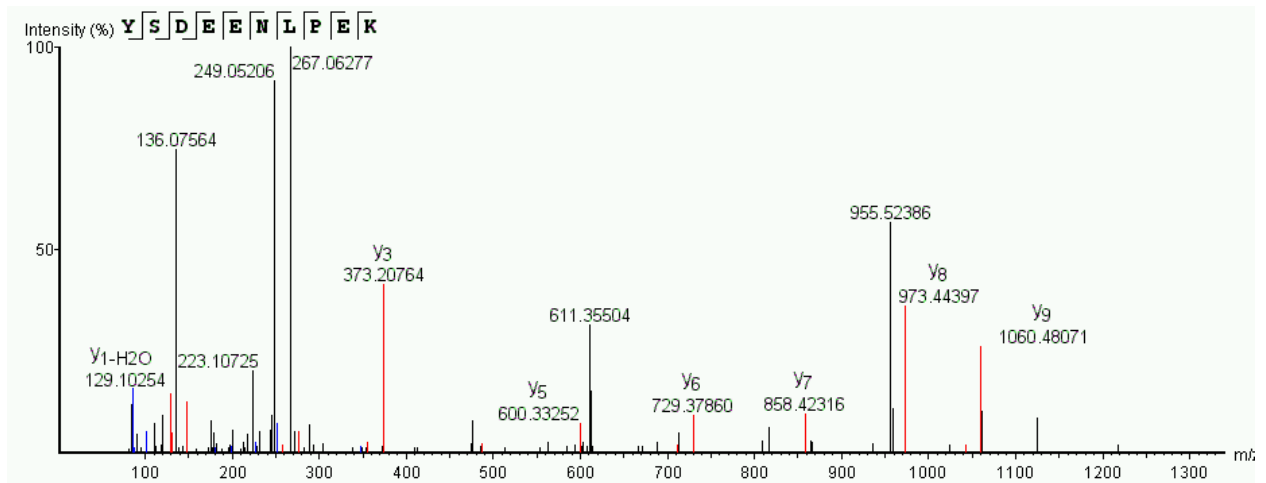
28. MS/MS at m/z 401.72446 (2+, RT=22.199)



Identified protein:

|Q8N257|H2B3B_HUMAN Histone H2B type 3-B

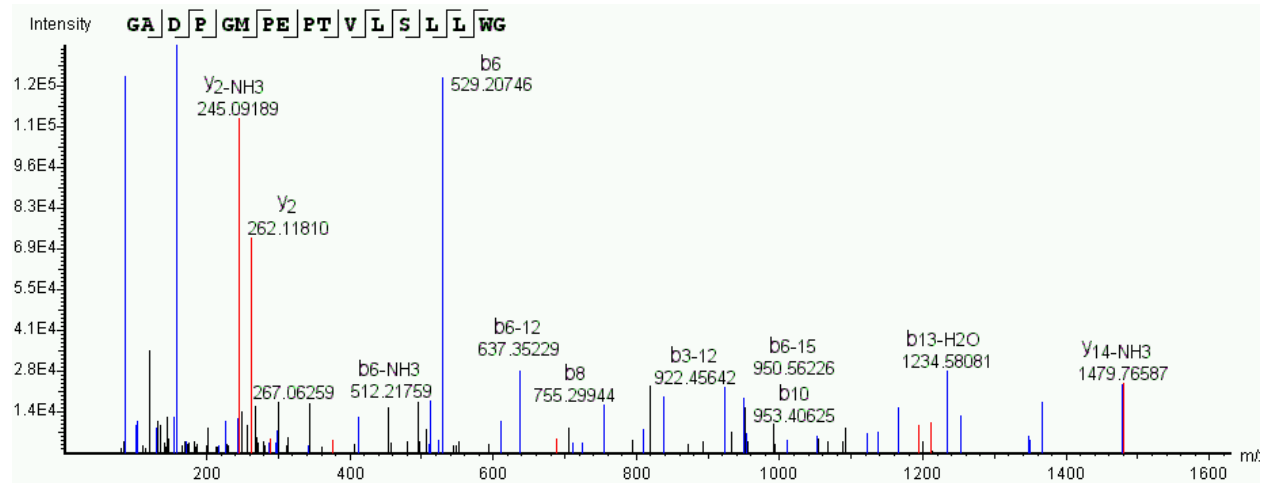
29. MS/MS at m/z 612.28015 (2+, RT=33.3965)



Identified protein:

|Q9BQI0-2|AIF1L_HUMAN Isoform 2 of Allograft inflammatory factor 1-like

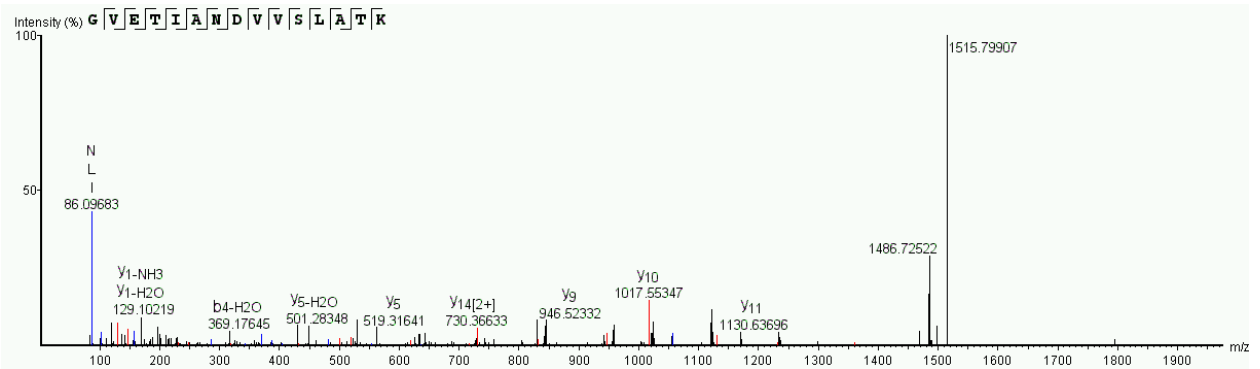
30. MS/MS at m/z 870.43335 (2+, RT=80.521)



Identified protein:

|Q9P0U1|TOM7_HUMAN Mitochondrial import receptor subunit TOM7 homolog OS=Homo sapiens
GN=TOMM7 PE=1 SV=1

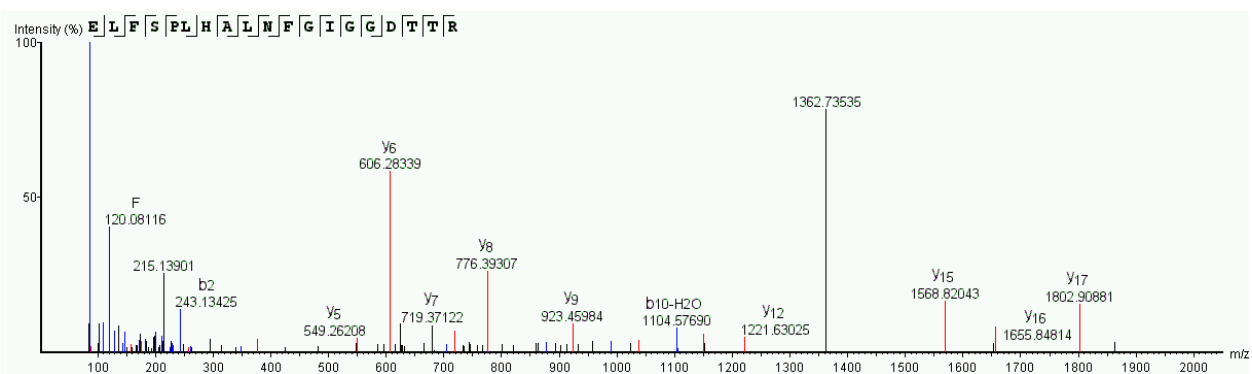
31. MS/MS at m/z 758.90814 (2+, RT=64.1807)



Identified protein:

|H0YDD4|DLAT_HUMAN Acetyltransferase component of pyruvate dehydrogenase complex (Fragment)

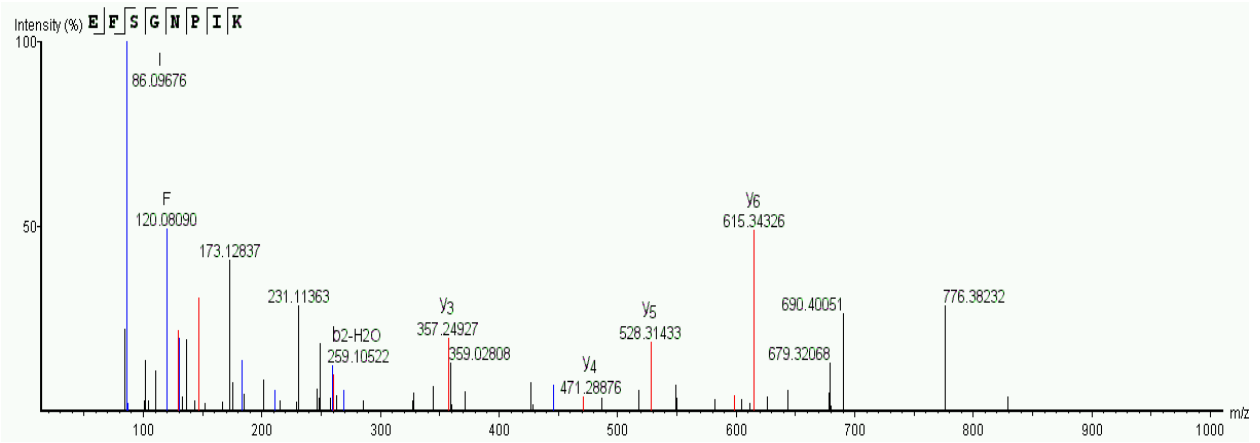
32. MS/MS at m/z 682.34973 (3+, RT=64.4809)



Identified protein:

|P68402|PA1B2_HUMAN Platelet-activating factor acetylhydrolase IB subunit beta

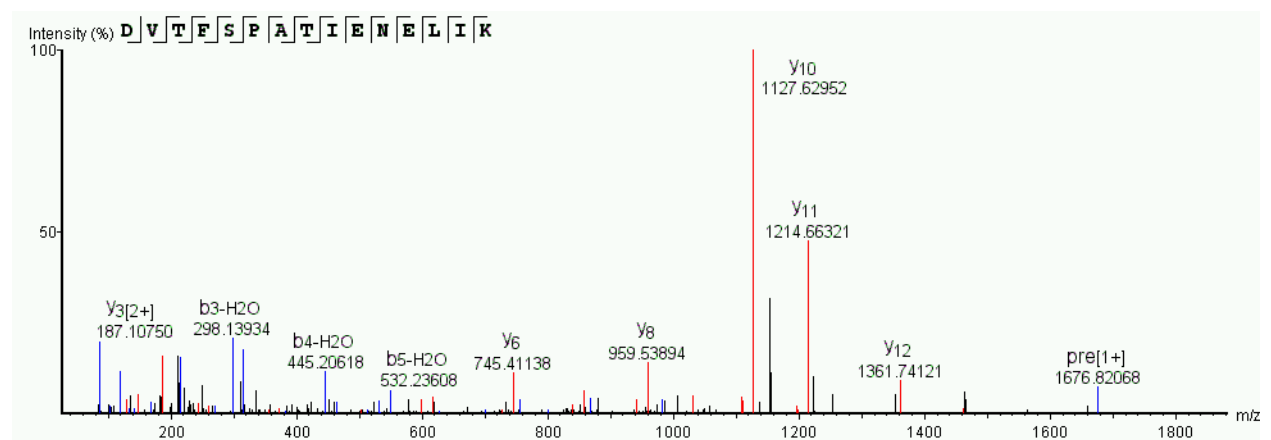
33. MS/MS at m/z 446.23206 (2+, RT=33.8334)



Identified protein:

|P35637-2|FUS_HUMAN Isoform Short of RNA-binding protein FUS

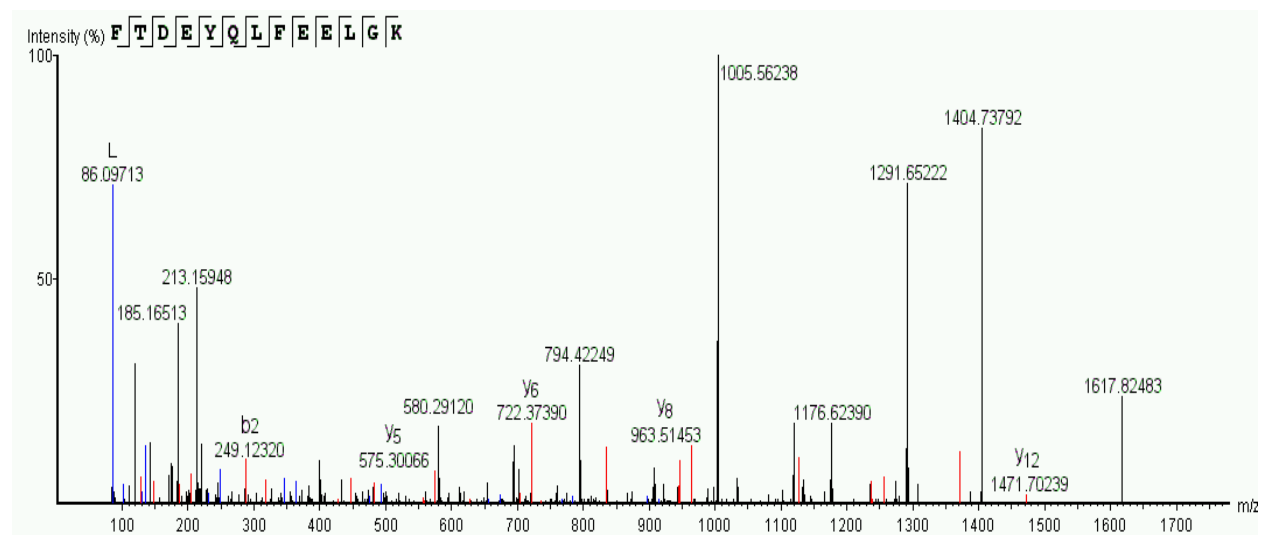
34. MS/MS at m/z 838.9351 (2+, RT=66.4146)



Identified protein:

|P55145|MANF_HUMAN Mesencephalic astrocyte-derived neurotrophic factor

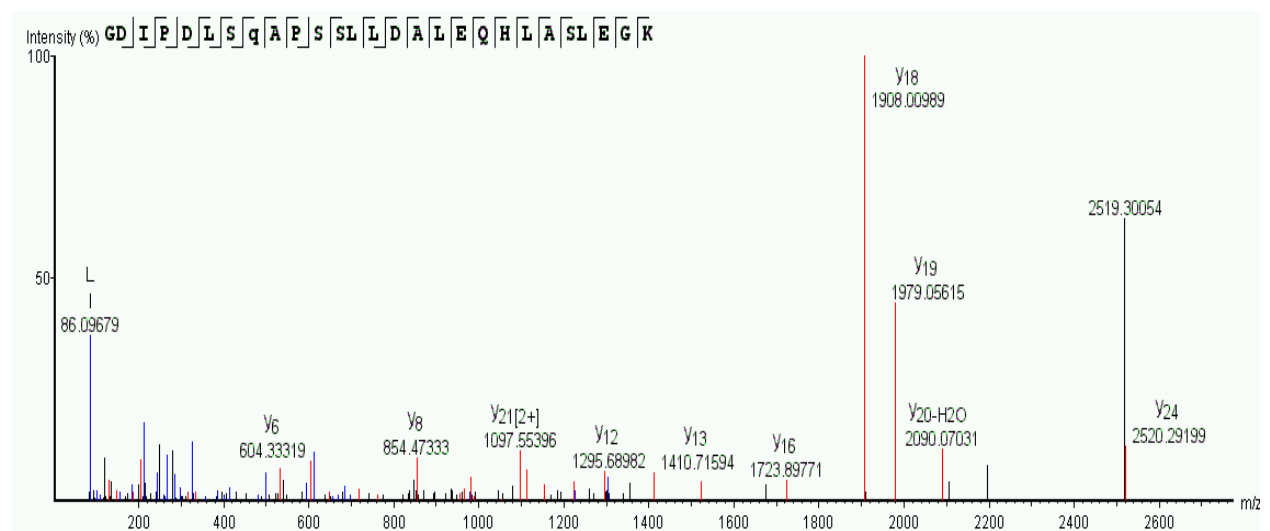
35. MS/MS at m/z 809.8797 (2+, RT=62.292)



Identified protein:

|Q13557-12|KCC2D_HUMAN, Coeluted with 213-I/LGDSP

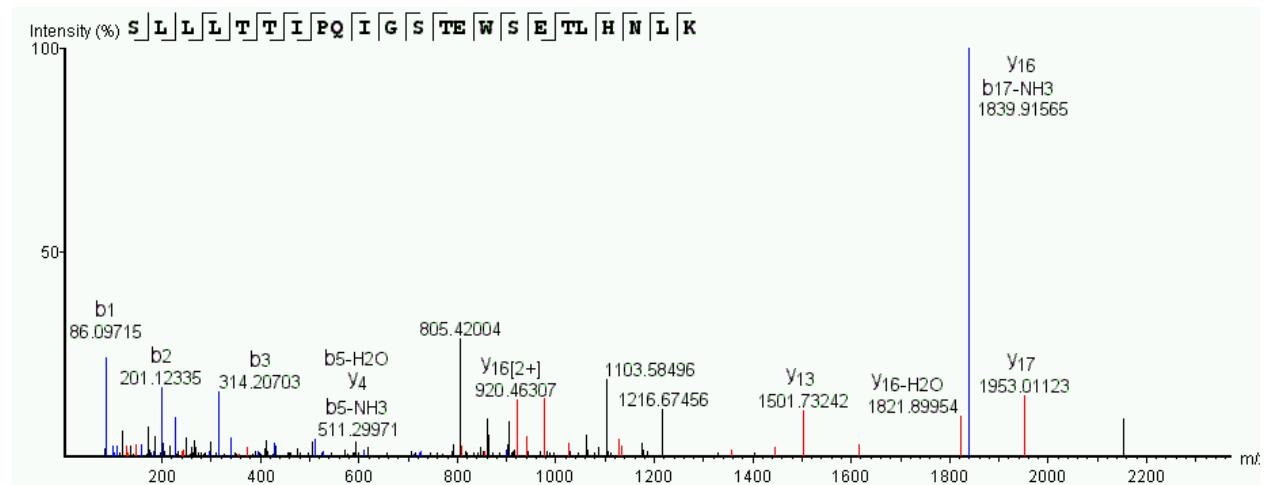
36. MS/MS at m/z 935.8058 (3+, RT=80.8872)



Identified protein:

|Q13492-4|PICAL_HUMAN Isoform 4 of Phosphatidylinositol-binding clathrin assembly protein

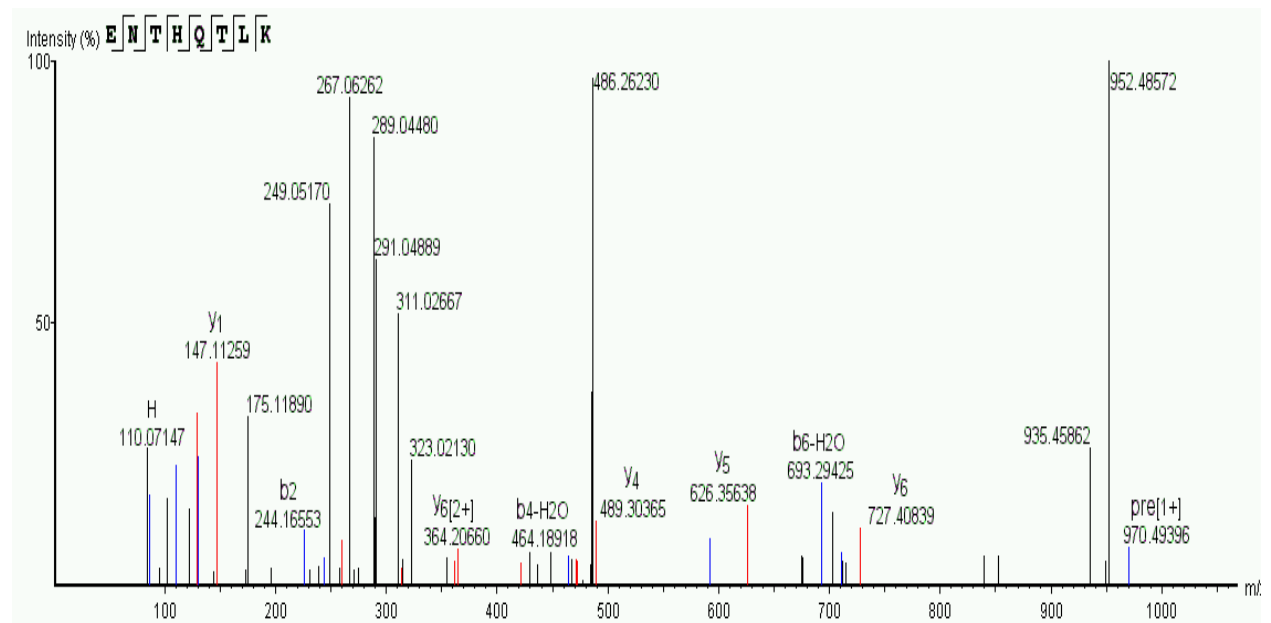
37. MS/MS at m/z 861.1302 (3+, RT=70.5474)



Identified protein:

|Q13126-2|MTAP_HUMAN Isoform 2 of S-methyl-5'-thioadenosine phosphorylase

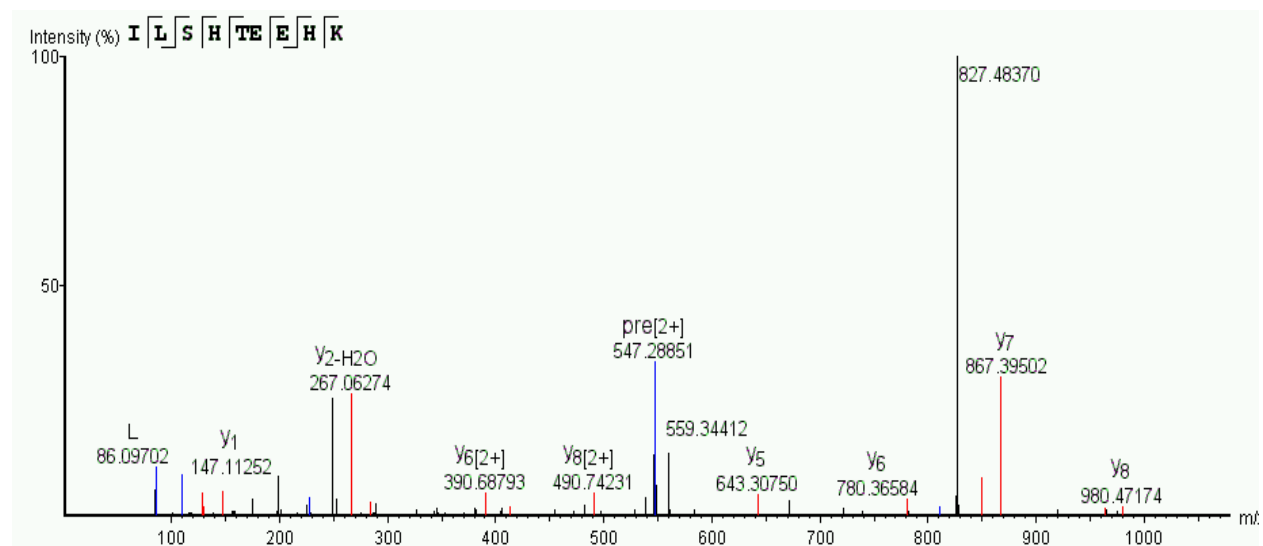
38. MS/MS at m/z 485.75253 (2+, RT=10.1586)



Identified protein:

|C9JRZ6| CHCHD3_HUMAN MICOS complex subunit MIC19

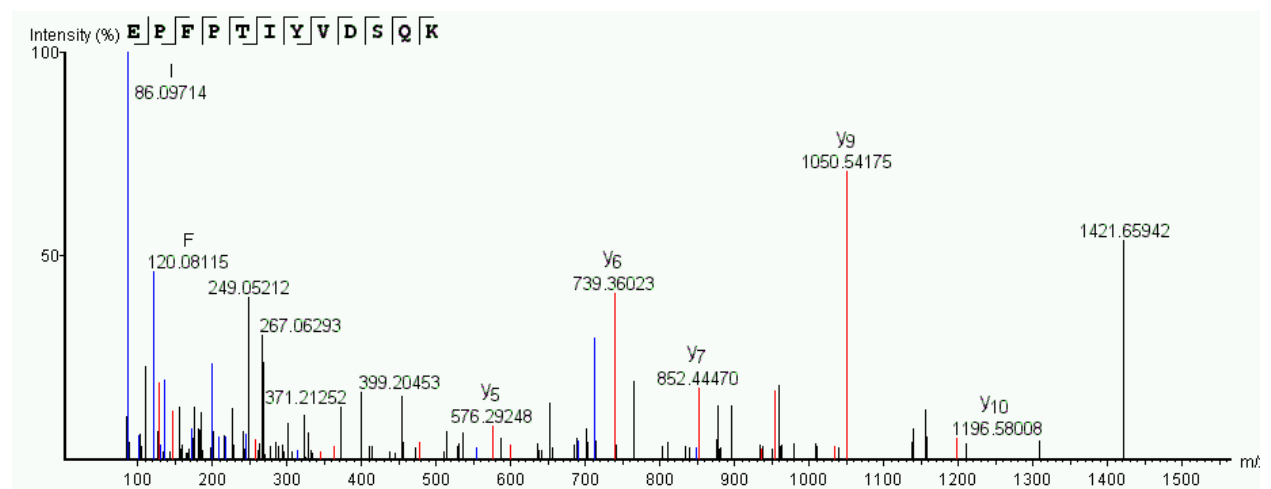
39. MS/MS at m/z 547.2846 (2+, RT=16.3791)



Identified protein:

|Q6Y1H2|HACD2_HUMAN Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2 OS=Homo sapiens
GN=HACD2 PE=1 SV=1

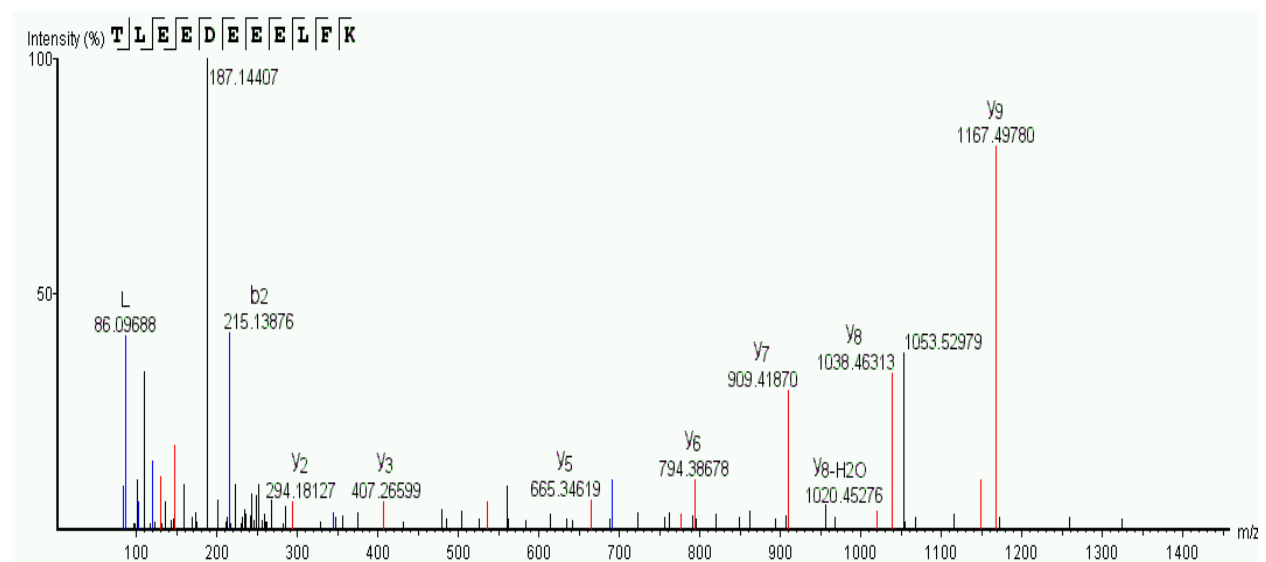
40. MS/MS at m/z 712.3575 (2+, RT=51.0747)



Identified protein:

|K7EJ19| NARS_HUMAN Asparagine--tRNA ligase, cytoplasmic

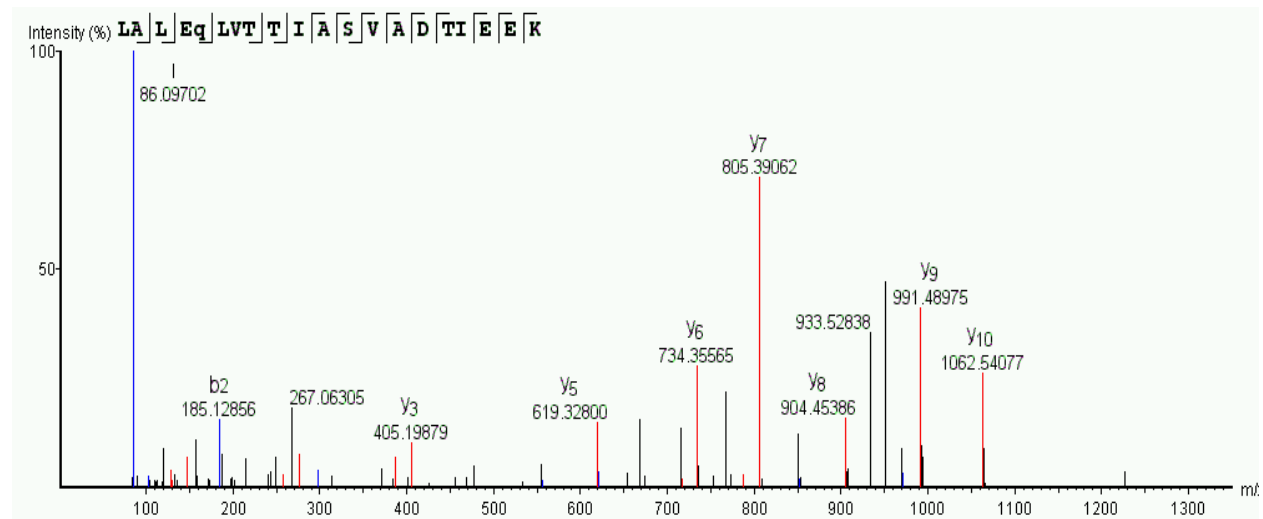
41. MS/MS at m/z 691.3229 (2+, RT=53.9739)



Identified protein:

|F6WQW2|F6WQW2_HUMAN Ran-specific GTPase-activating protein

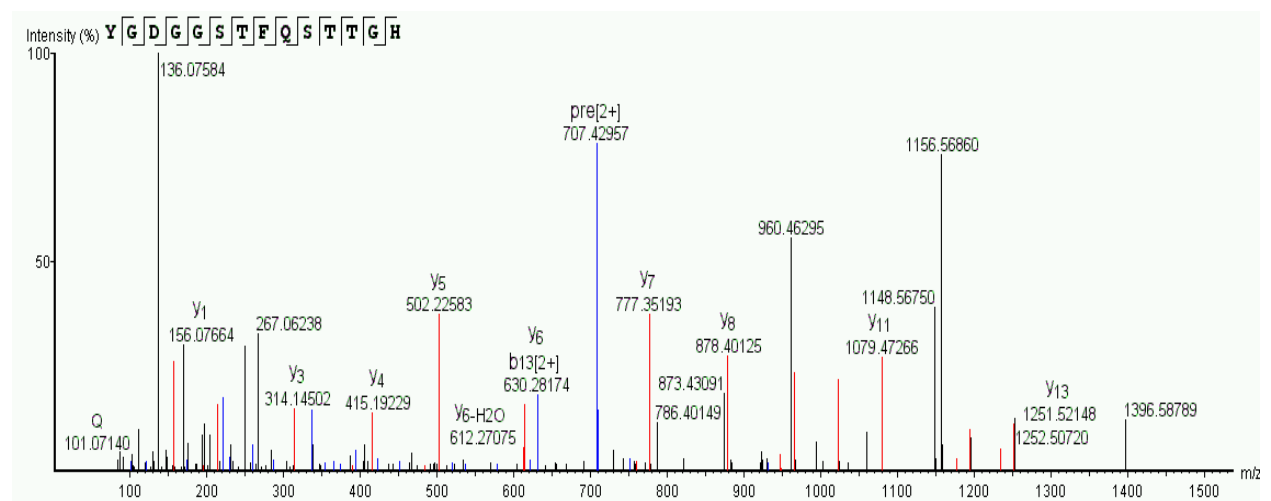
42. MS/MS at m/z 715.7257 (3+, RT=89.8557)



Identified protein

|O60518|RNBP6_HUMAN Ran-binding protein 6

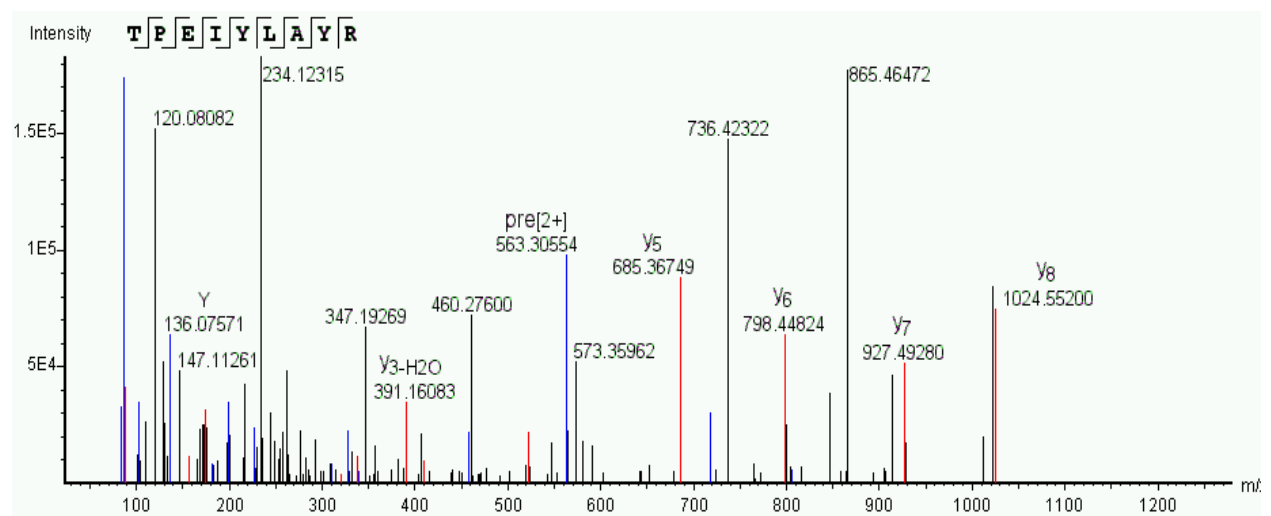
43. MS/MS at m/z 707.796 (2+, RT=33.7968)



Identified protein:

|E9PCY7|HNRNPH1_HUMAN Heterogeneous nuclear ribonucleoprotein H

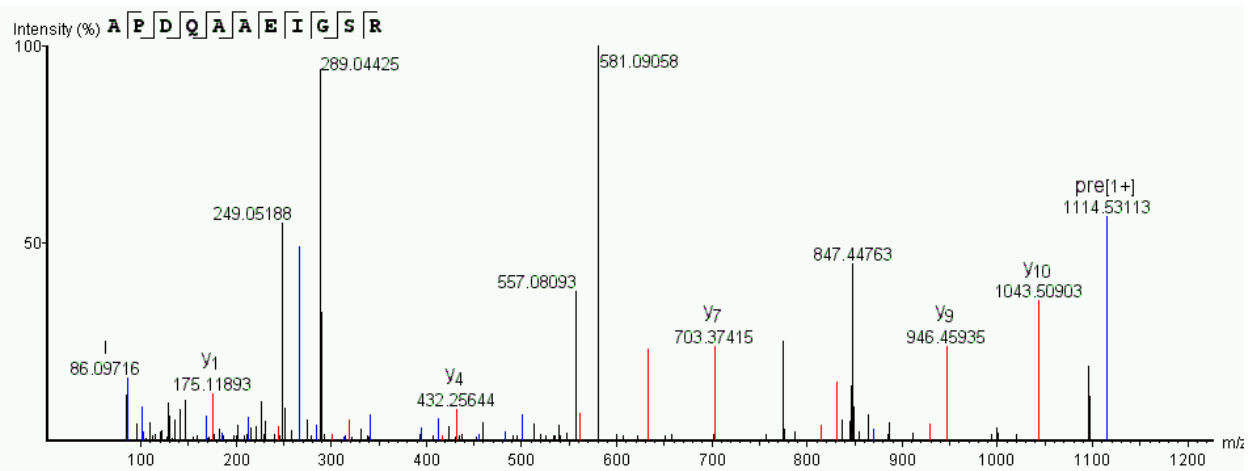
44. MS/MS at m/z 563.29944 (2+, RT=49.1609)



Identified protein:

|Q8TAQ2-2|SMRC2_HUMAN Isoform 2 of SWI/SNF complex subunit SMARCC2

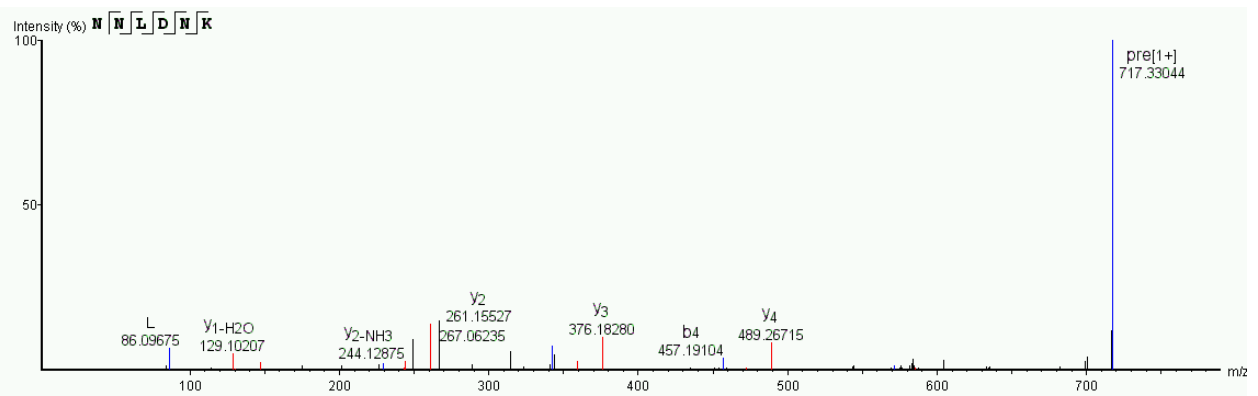
45. MS/MS at m/z 557.77655 (2+, RT=30.0105)



Identified protein:

|Q3ZCQ8-2|TIM50_HUMAN Isoform 2 of Mitochondrial import inner membrane translocase subunit
TIM50

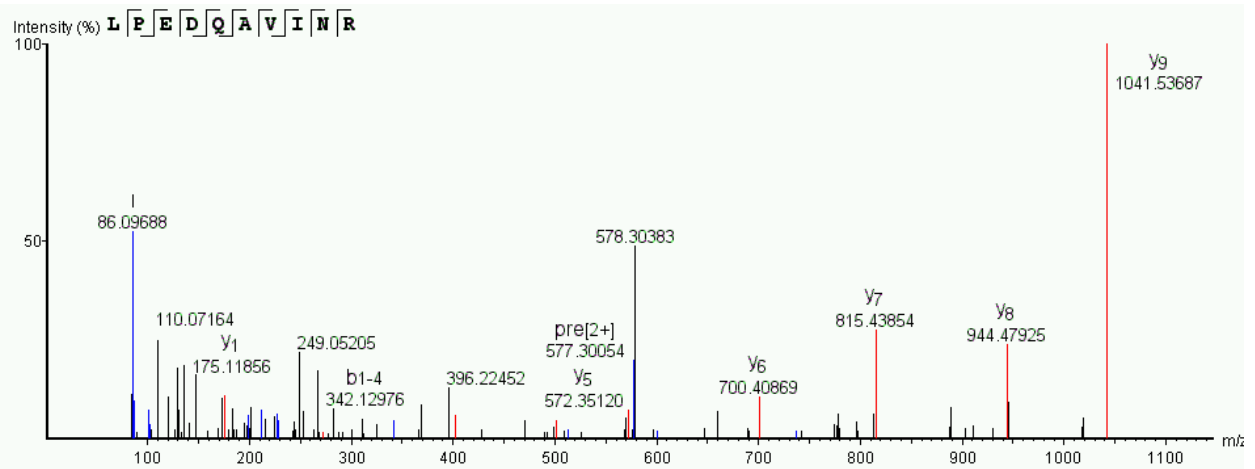
46. MS/MS at m/z 717.34174 (1+, RT=26.0066)



Identified protein:

|O60315|ZEB2_HUMAN Zinc finger E-box-binding homeobox 2

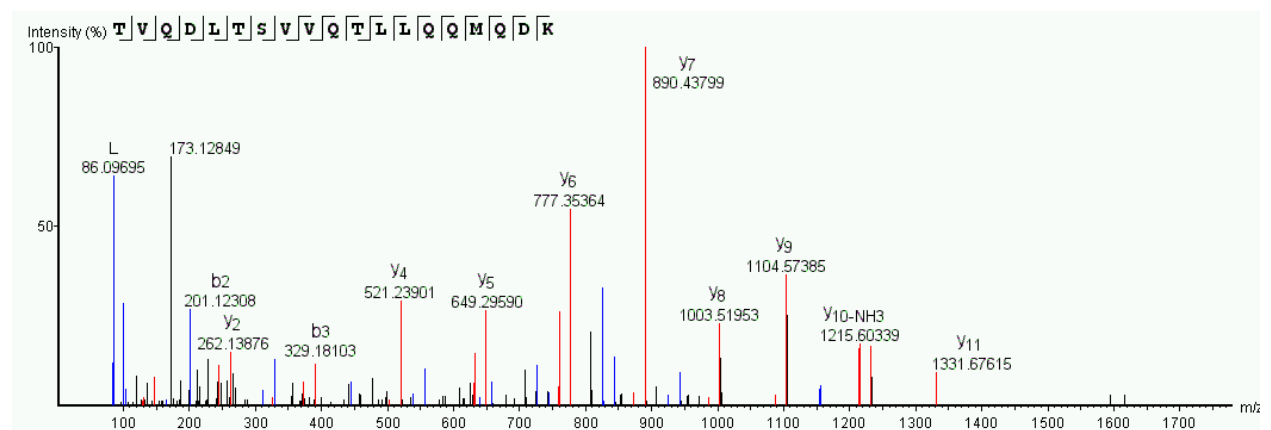
47. MS/MS at m/z 577.81024 (2+, RT=36.7521)



Identified protein:

|I3NI32|DHODH_HUMAN Dihydroorotate dehydrogenase (quinone), mitochondrial

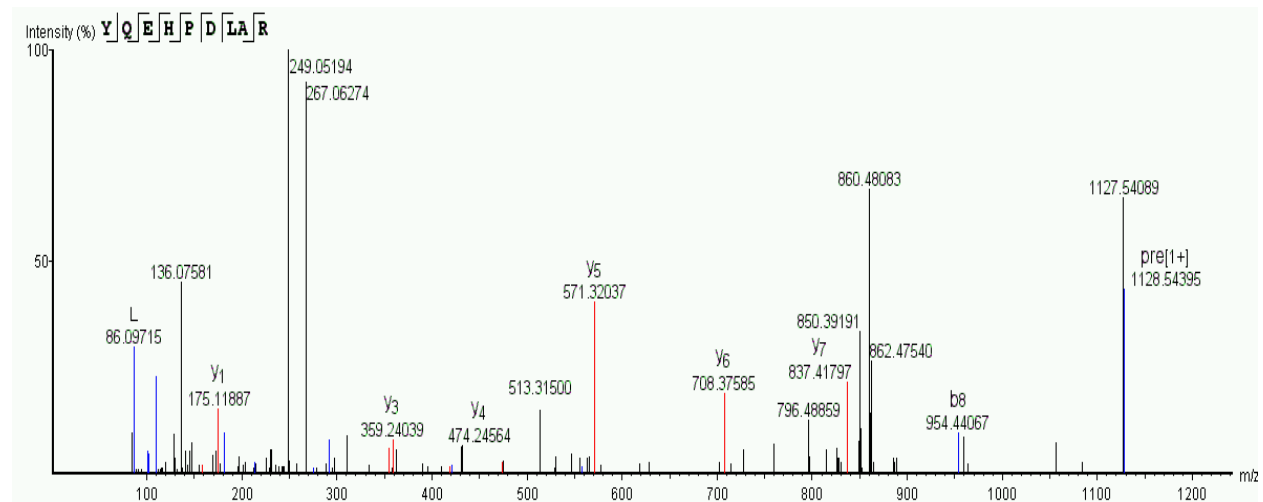
48. MS/MS at m/z 725.72284 (3+, RT=81.4603)



Identified protein:

|O75506|HSBP1_HUMAN Heat shock factor-binding protein 1

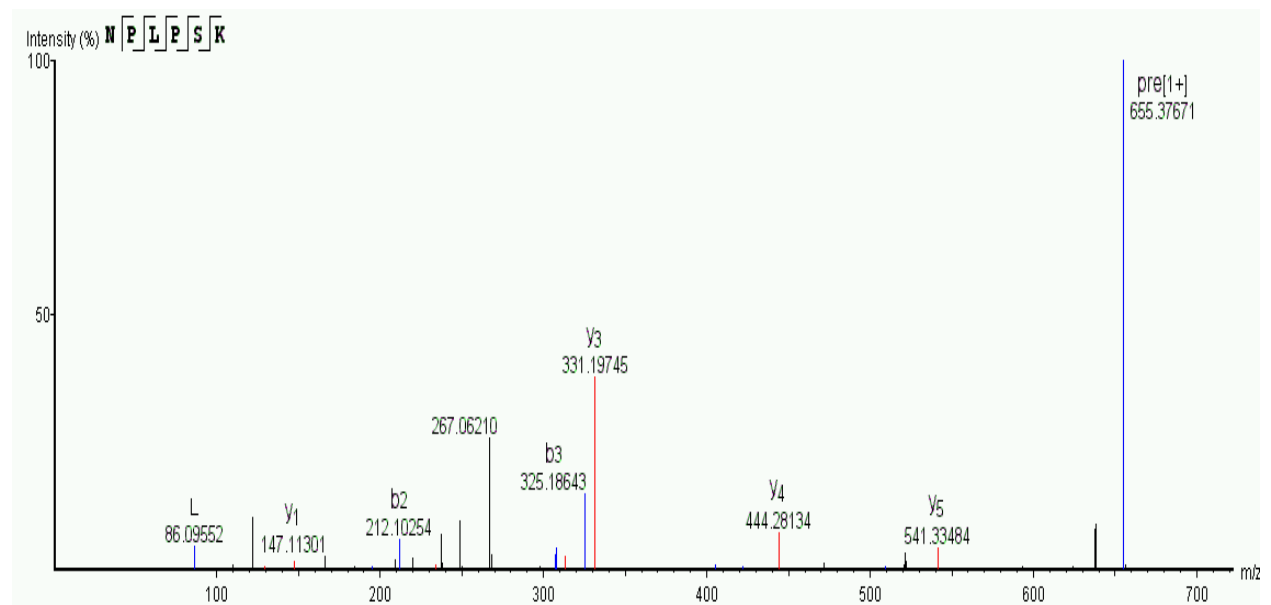
49. MS/MS at 564.77545 (2+, RT=29.0885)



Identified protein:

|P17844|DDX5_HUMAN Probable ATP-dependent RNA helicase DDX5

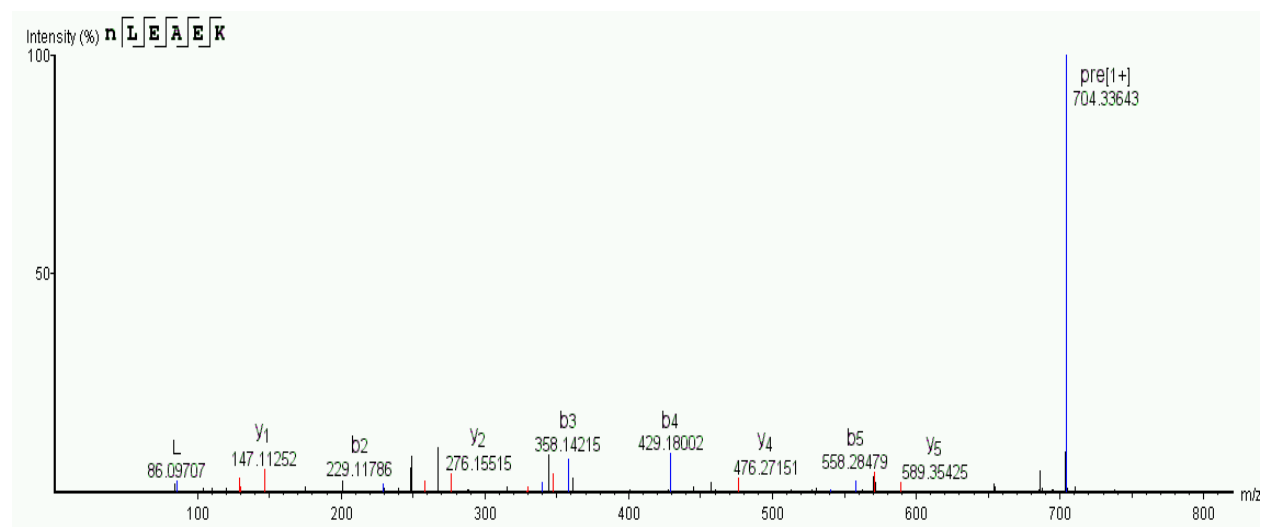
50. MS/MS/at m/z 655.37616 (1+, RT=23.548)



Identified protein:

|P62328|TYB4_HUMAN Thymosin beta-4

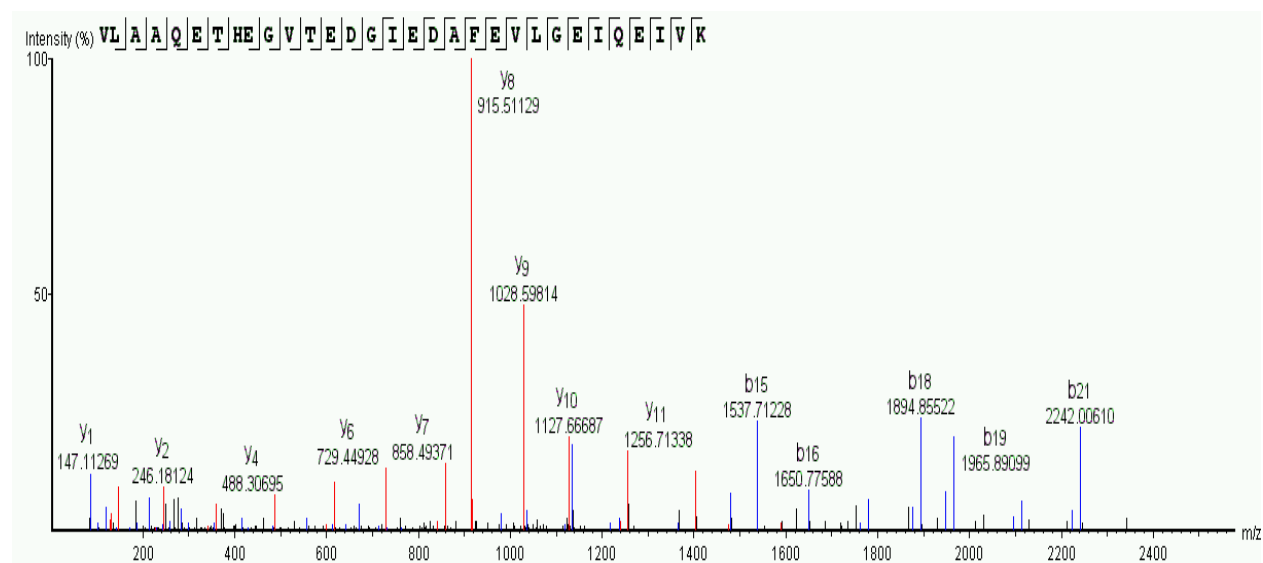
51. MS/MS at m/z 704.3343 (1+, RT=32.0281)



Identified protein:

|Q99728|BARD1_HUMAN BRCA1-associated RING domain protein 1

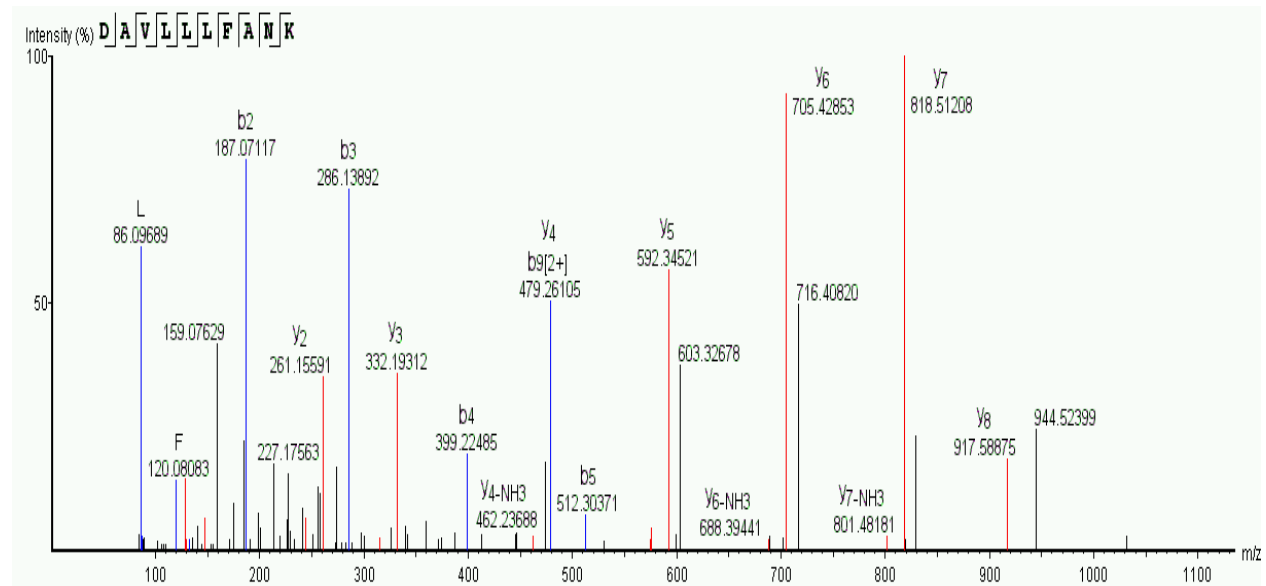
52. MS/MS at m/z 1123.5682 (3+, RT=84.3371)



Identified protein:

| P35606-2 | COPB2_HUMAN Isoform 2 of Coatamer subunit beta

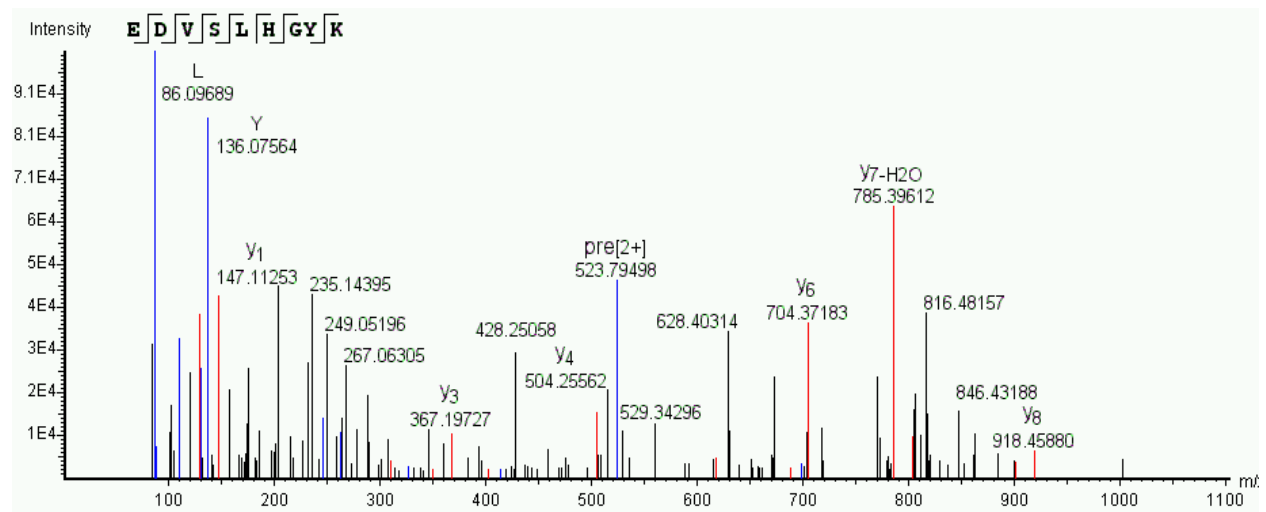
53. MS/MS at m/z 552.3267 (2+, RT=61.2268)



Identified protein:

|P18085|ARF4_HUMAN ADP-ribosylation factor 4

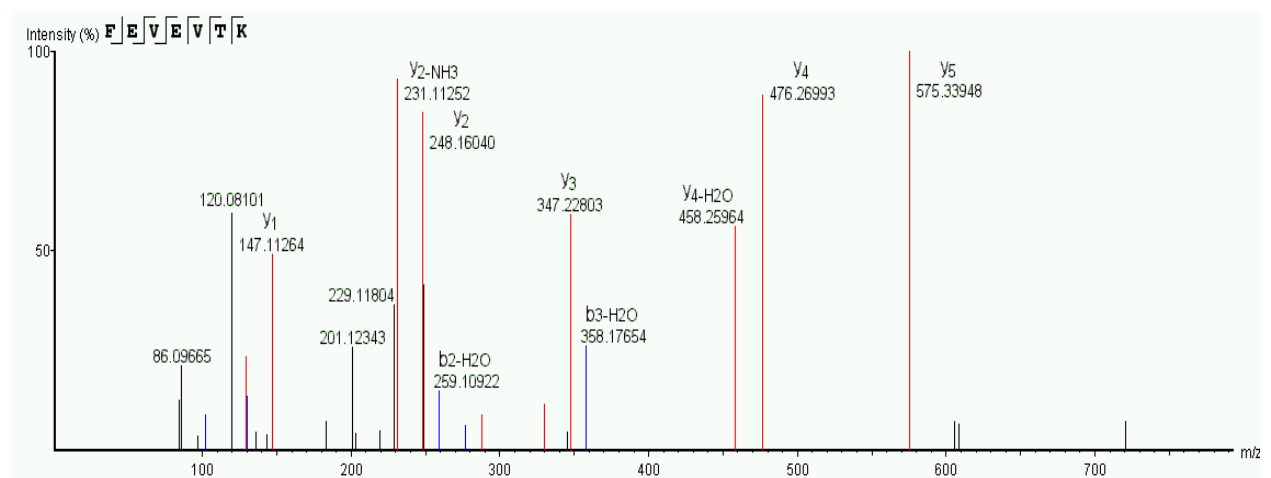
54. MS/MS at m/z 524.2674 (2+, RT=33.1141)



Identified protein:

|Q12792-4|TWF1_HUMAN Isoform 4 of Twinfilin-1 OS=Homo sapiens GN=TWF1

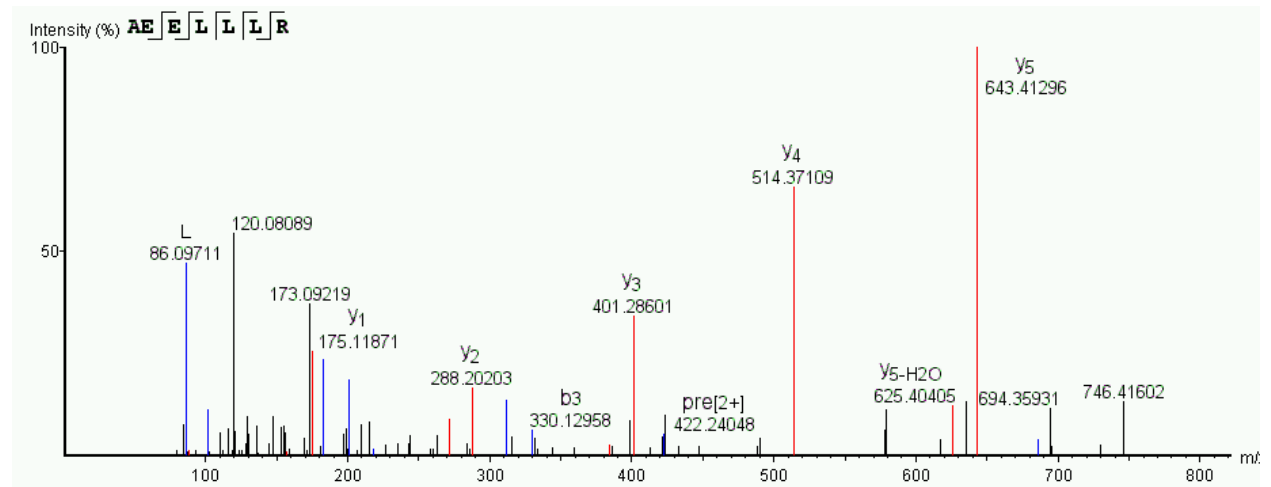
55. MS/MS at m/z 426.22864 (2+, RT=34.6134)



Identified protein:

|Q96JB1-2|DYH8_HUMAN Isoform 2 of Dynein heavy chain 8, axonemal

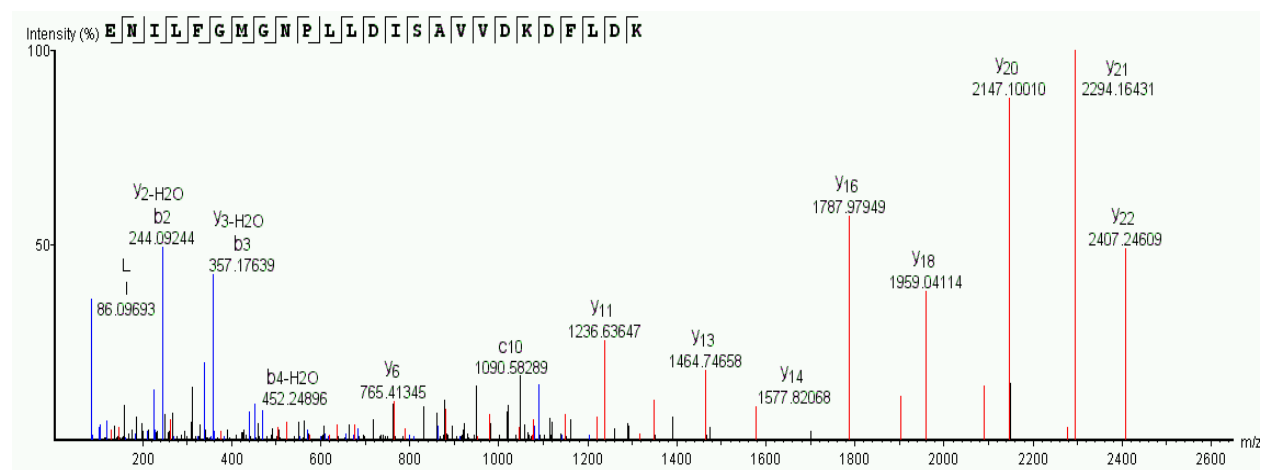
56. MS/MS at m/z 422.25037 (2+, RT=41.3908)



Identified protein:

|A0A087WWY8| LOC402160 _HUMAN Protein LOC402160

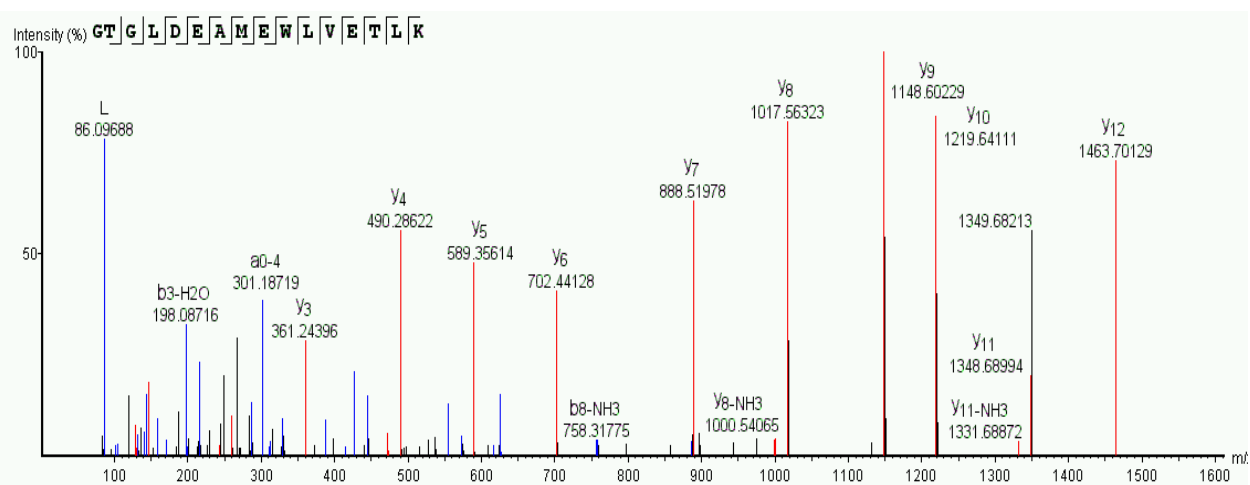
57. MS/MS at m/z 921.8078 (3+, RT=86.2358)



Identified protein:

|P55263-3|ADK_HUMAN Isoform 3 of Adenosine kinase

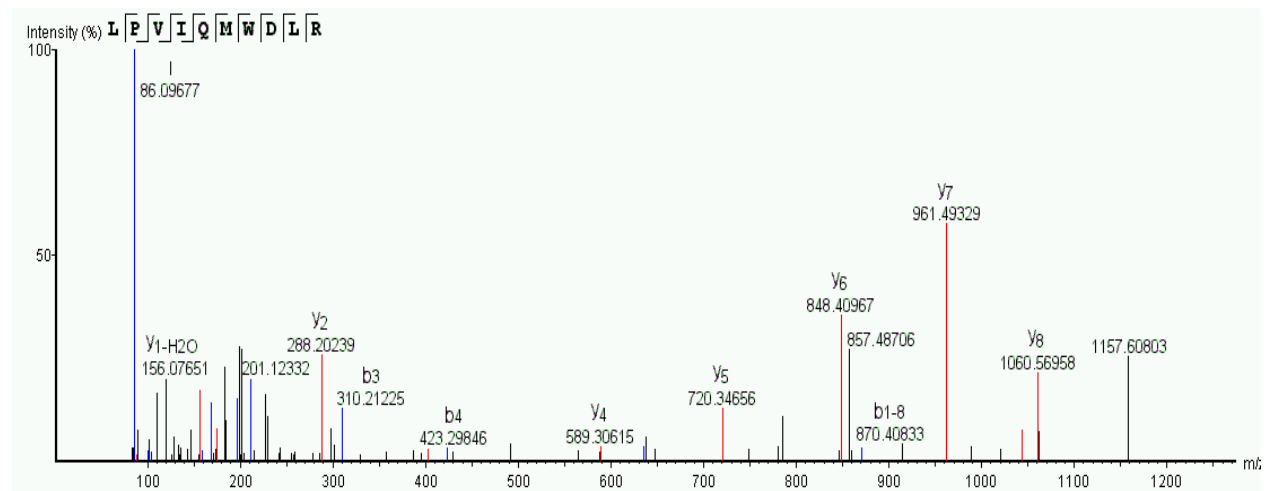
58. MS/MS at 896.44305 (2+, RT=83.1037)



Identified protein:

|P40616-2|ARL1_HUMAN Isoform 2 of ADP-ribosylation factor-like protein 1

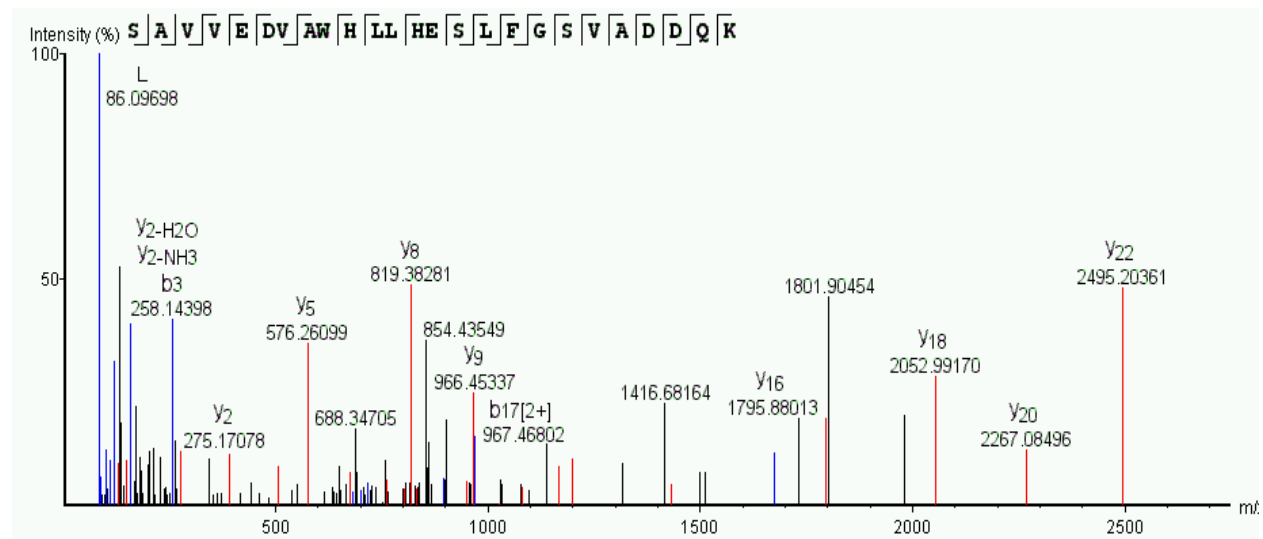
59. MS/MS at m/z 635.8536 (2+, RT=63.723)



Identified protein:

|D6RHZ5| Sec31A_HUMAN Protein transport protein Sec31A

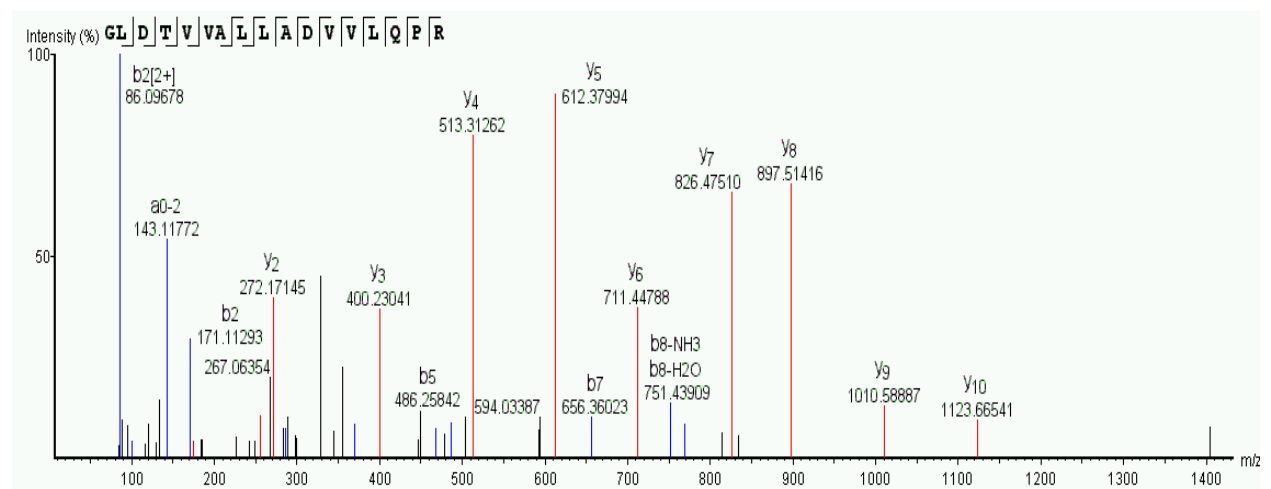
60. MS/MS at m/z 688.839 (4+, RT=75.1043)



Identified protein:

|E9PC52| RBBP7_HUMAN Histone-binding protein RBBP7

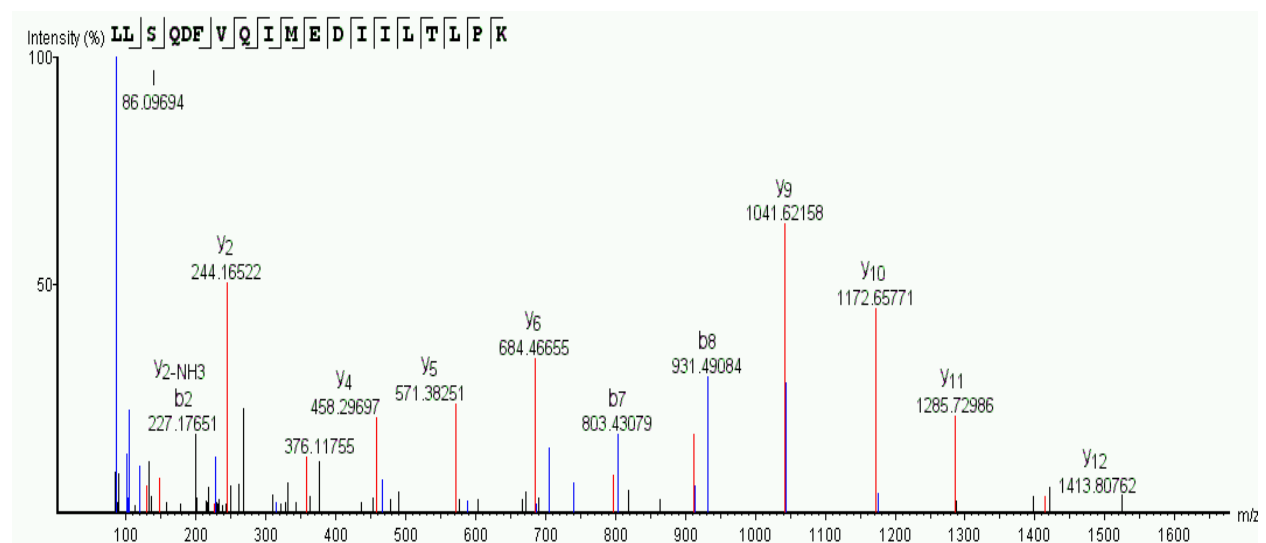
61. MS/MS at m/z 593.68524 (3+, RT=89.3045)



Identified protein:

|Q10713|MPPA_HUMAN Mitochondrial-processing peptidase subunit alpha

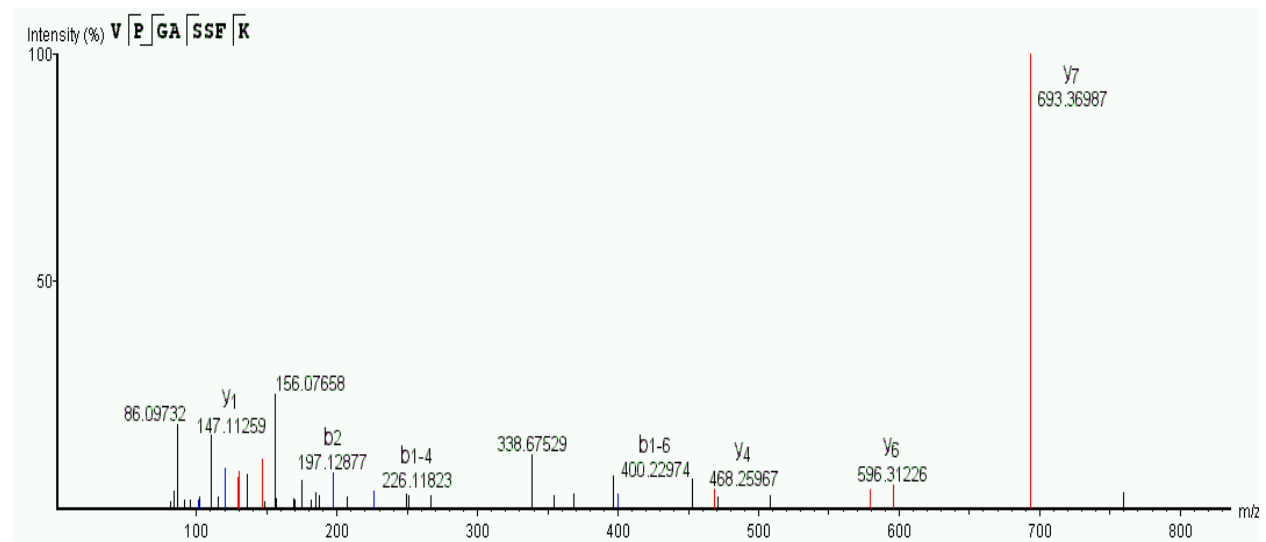
62. MS/MS at m/z 739.41345 (3+, RT=96.1007)



Identified protein:

|P26196|DDX6_HUMAN Probable ATP-dependent RNA helicase DDX6

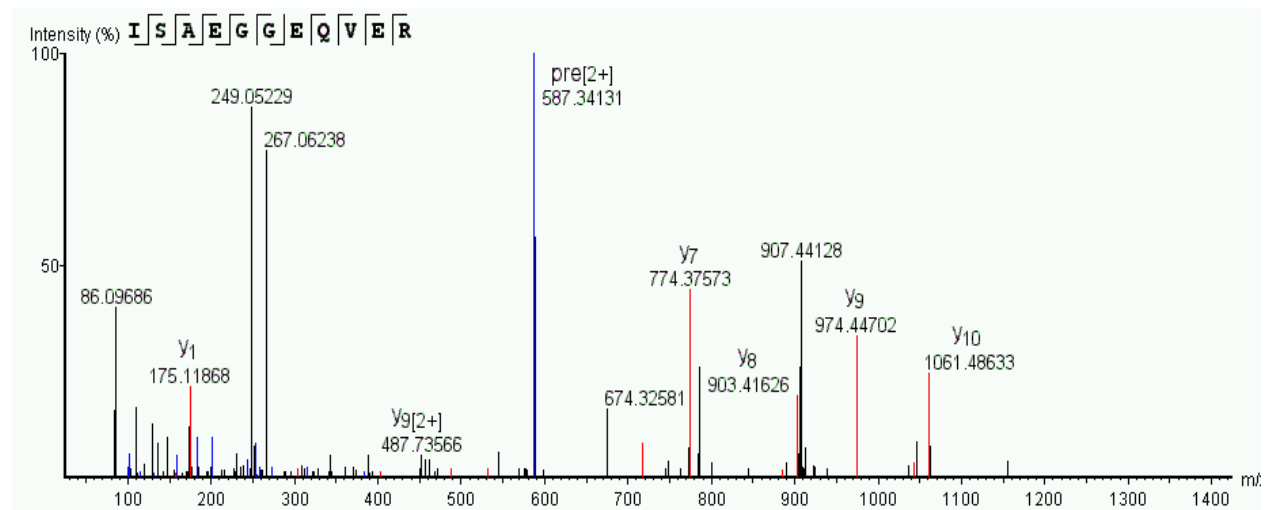
63. MS/MS of precursor ion at m/z 396.72144 (2+, RT=26.498)



Protein Identification:

|P29590|PML_HUMAN

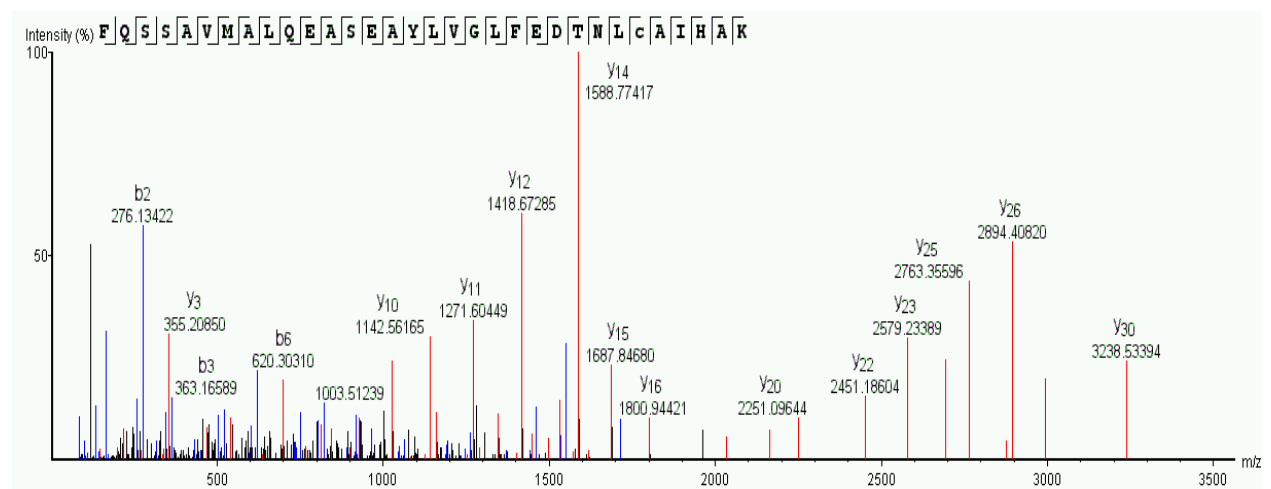
64. MS/MS at m/z 587.7882 (2+, RT=29.6792)



Identified protein:

|J3KQL8| APOL2_HUMAN Apolipoprotein L2

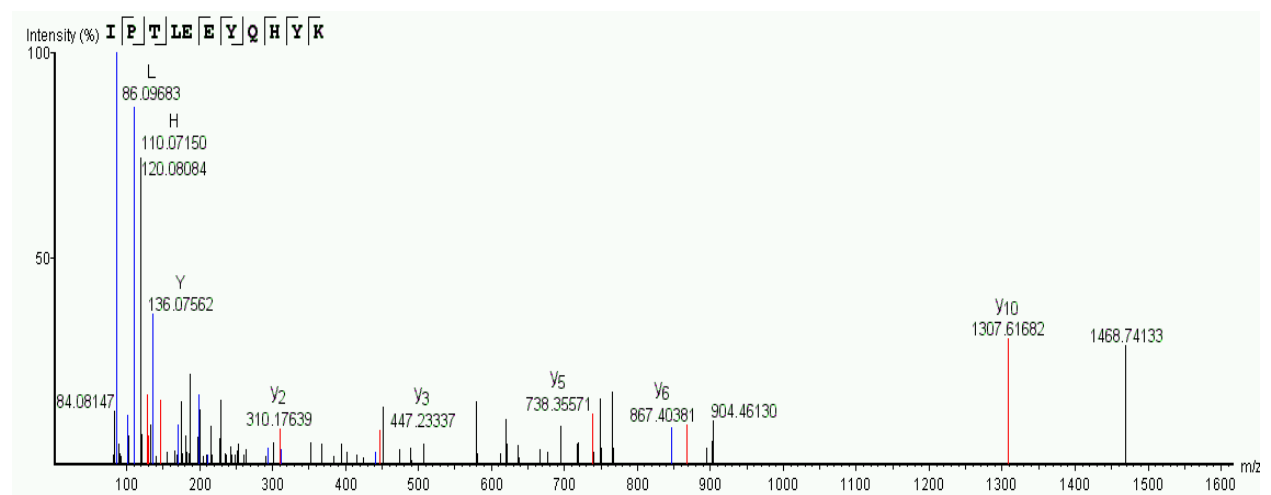
65. MS/MS at m/z 1171.9077 (3+, RT=84.1447)



Identified protein:

|Q71DI3|H32_HUMAN Histone H3.2

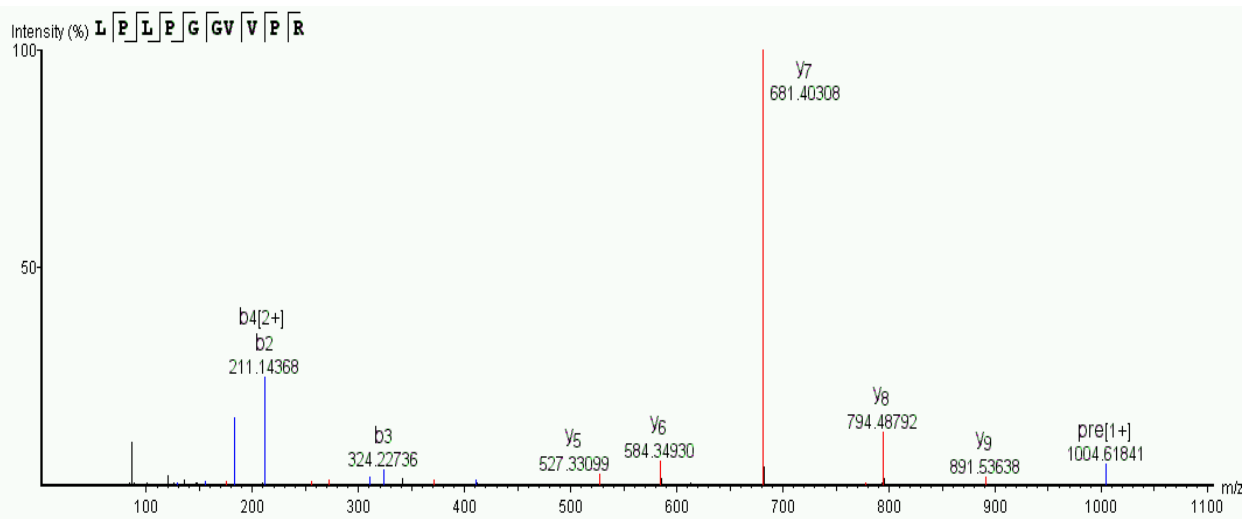
66. MS/MS at m/z 474.24164 (3+, RT=44.4249)



Identified protein:

|P61978-3|HNRPK_HUMAN Isoform 3 of Heterogeneous nuclear ribonucleoprotein K

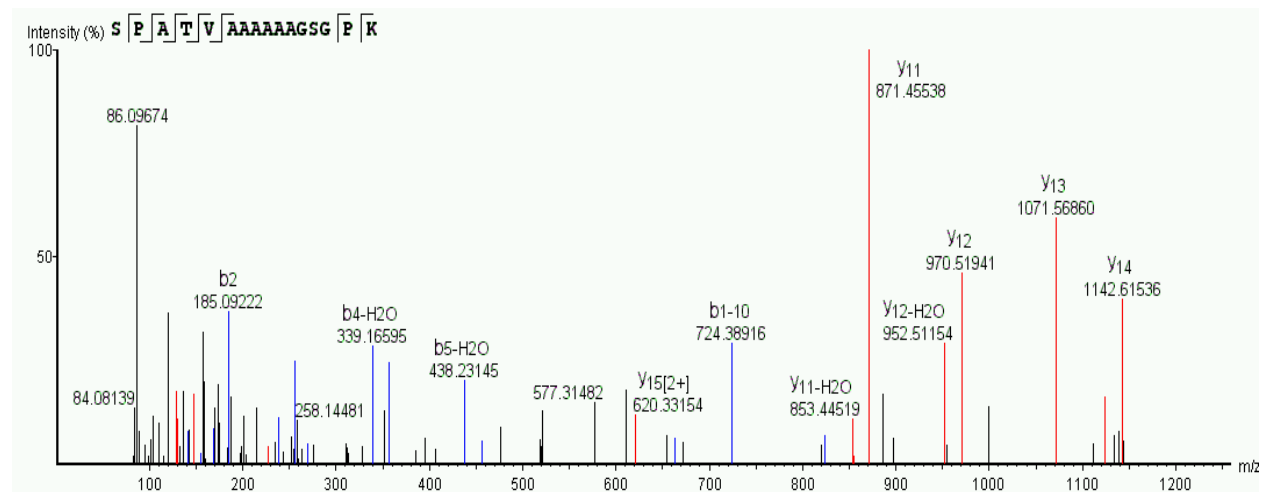
67. MS/MS at m/z 502.8154 (2+, RT=47.742)



Identified protein:

|P17931|LEG3_HUMAN Galectin-3

68. MS/MS at m/z 663.84924 (2+, RT=59.8639)

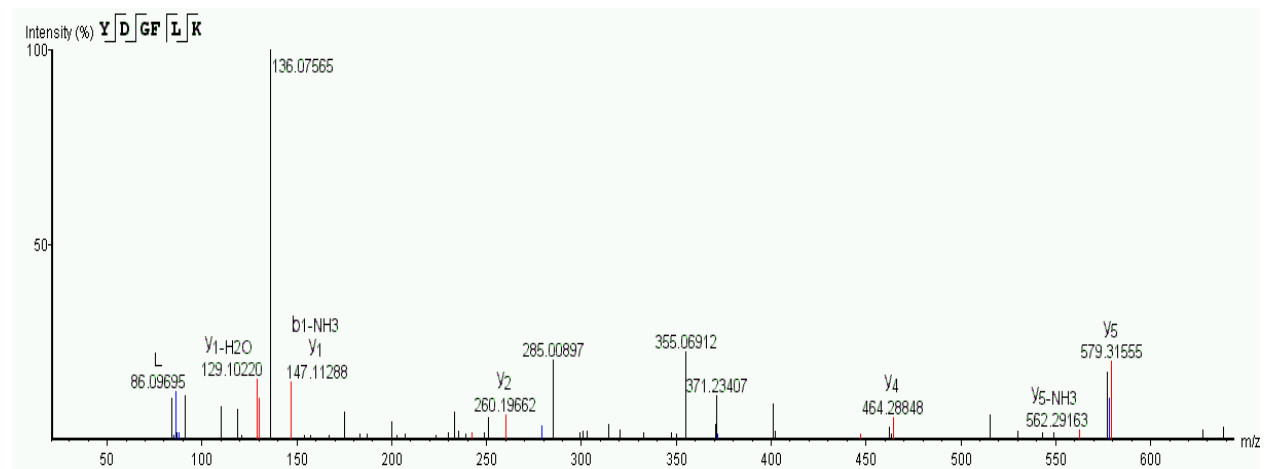


Identified protein:

|Q13045-3| FLII_HUMAN Isoform 3 of Protein flightless-1 homolog

69. MS/MS at m/z 371.69415 (2+, RT=22.8573)

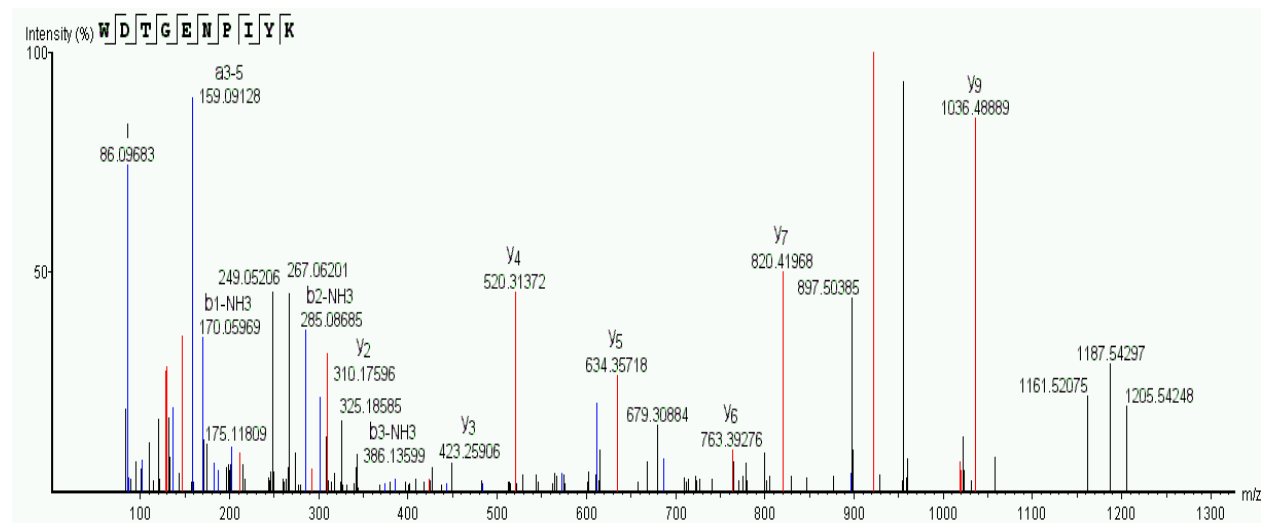
Right sequence should be YDGM(ox)LK



Identified protein:

|B4DGL8|B4DGL8_HUMAN ATP-binding cassette sub-family B member 7, mitochondrial (Fragment)

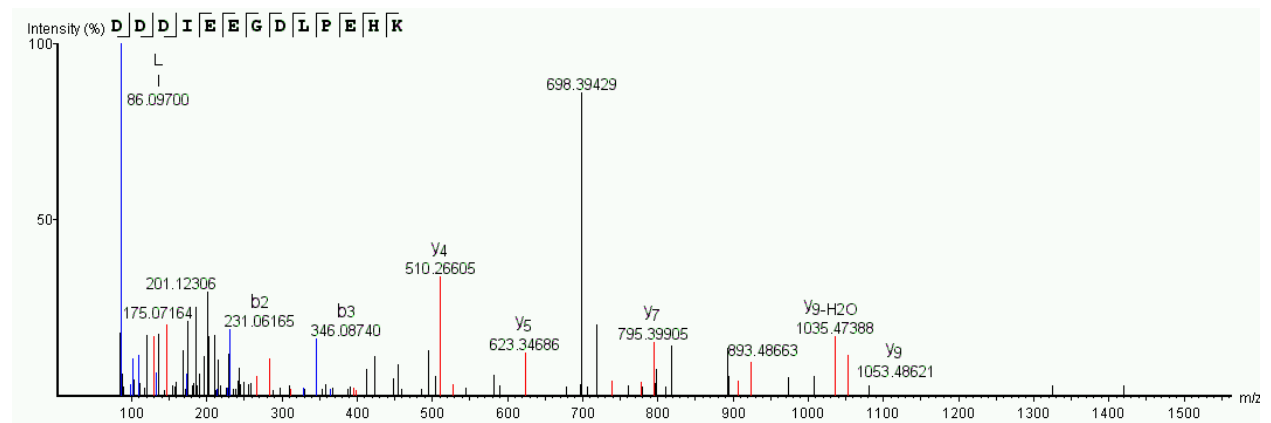
70. MS/MS at m/z 611.79034 (2+, RT=43.9018)



Identified protein:

|P05556|ITB1_HUMAN Integrin beta-1

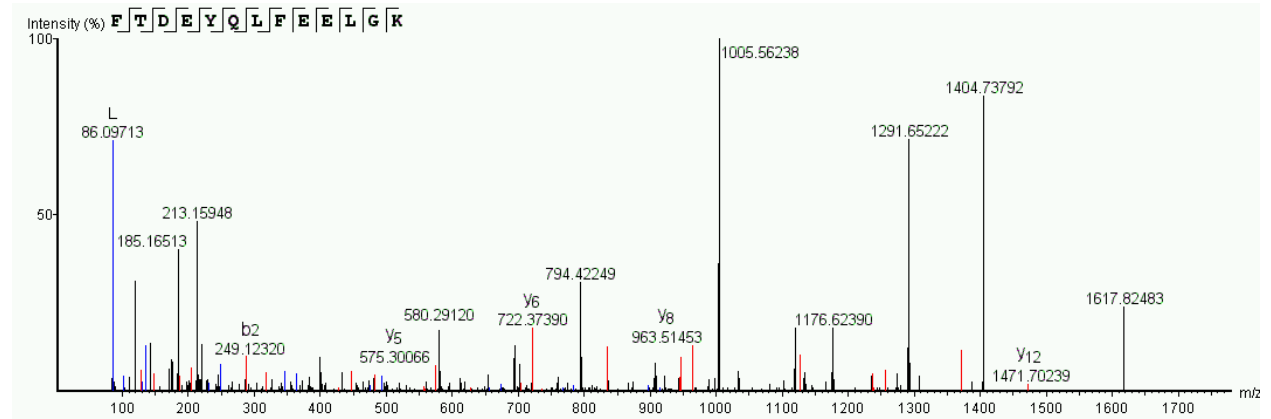
71. MS/MS at m/z 504.55502 (3+, RT=37.045)



Identified protein:

|Q14696|MESD_HUMAN LDLR chaperone MESD

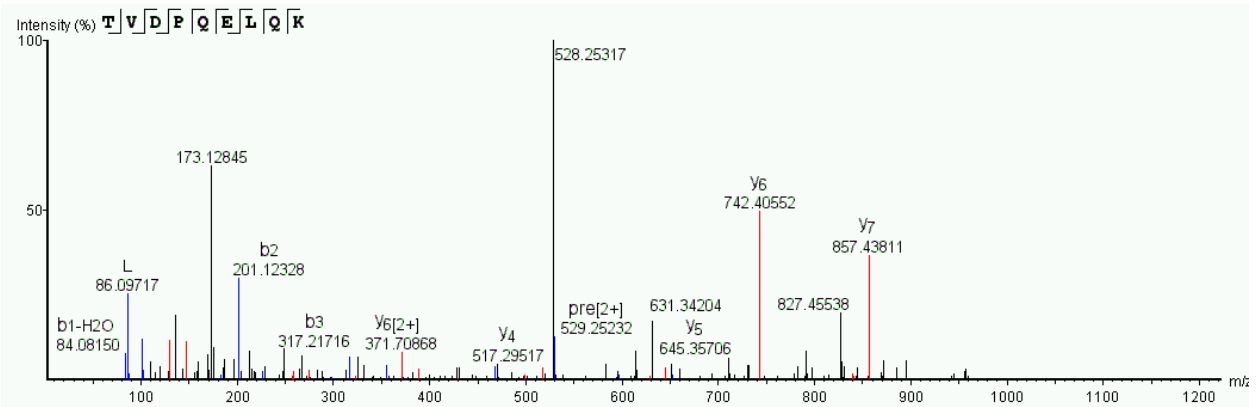
72. MS/MS at m/z 809.8797 (2+, RT=62.292)



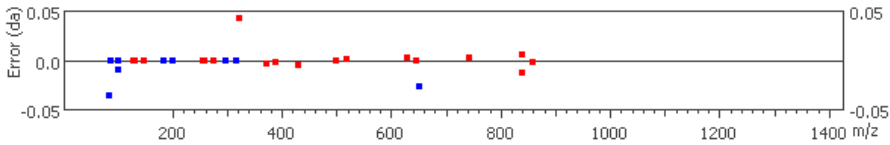
Identified protein:

|Q13557-12|KCC2D_HUMAN Isoform Delta 12 of Calcium/calmodulin-dependent protein kinase type II subunit delta, Coeluted with 213-I/LGDSP

73. MS/MS at m/z 529.27893 (2+, RT=32.0484)



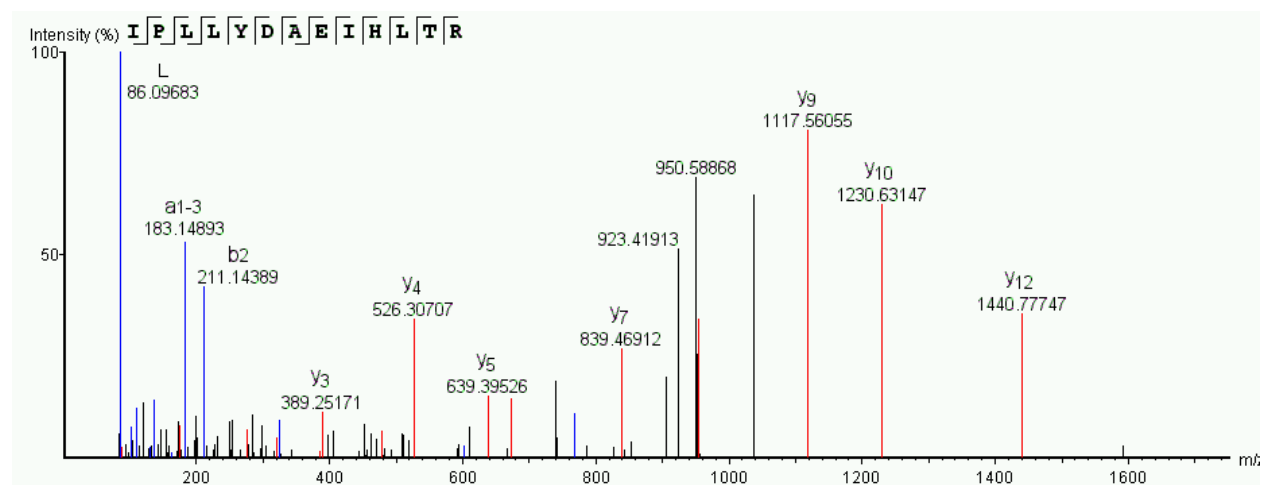
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	74.06051	102.05527	84.08150	85.02851	119.08251	51.52776	T					9
2	72.08124	201.12328	183.11252	184.09691	218.15091	101.07127	V	956.50470	938.49414	939.47772	478.75235	8
3	88.03996	316.15088	298.13910	299.12387	333.17786	158.57542	D	857.43811	839.41901	840.42200	429.22296	7
4	70.06558	413.20361	395.19305	396.17664	430.23062	207.10181	P	742.40552	724.39880	725.38239	371.70868	6
5	101.07127	541.26221	523.25165	524.23523	558.28925	271.13110	Q	645.35706	627.34601	628.32605	323.13440	5
6	102.05527	670.30475	652.32153	653.27777	687.33179	335.65237	E	517.29517	499.28867	500.27103	259.14902	4
7	86.09717	783.38885	765.37830	766.36188	800.41589	392.19443	L	388.25806	370.24487	371.22845	194.62772	3
8	101.07140	911.44739	893.43683	894.42041	928.47443	456.22369	Q	275.17163	257.16022	258.14505	138.08568	2
9	101.10778						K	147.11304	129.10219	130.08644	74.05640	1



Identified protein:

|P30626-3|SORCN_HUMAN Isoform 3 of Sorcin

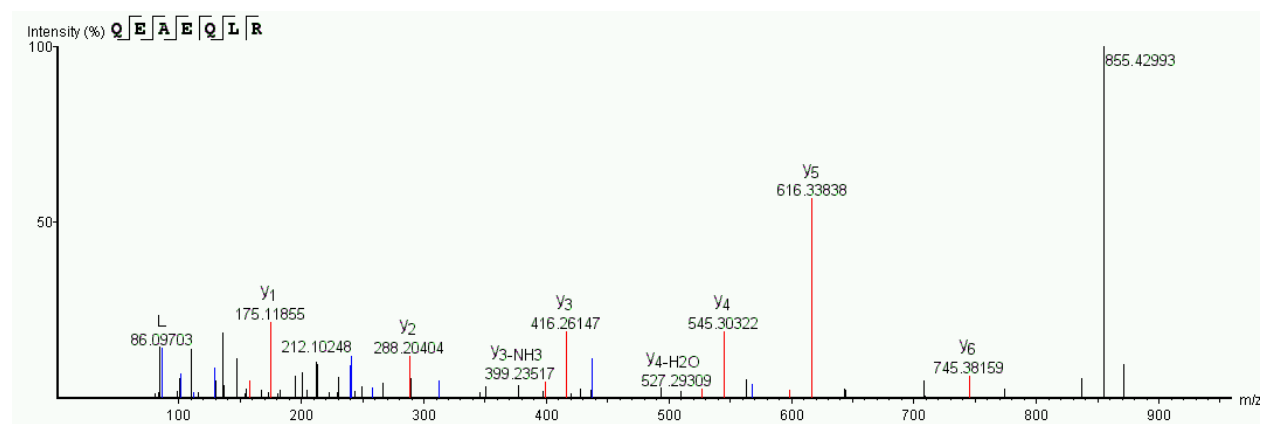
74. MS/MS at m/z 518.6269 (3+, RT=58.6074)



Identified protein:

|P17301|ITA2_HUMAN Integrin alpha-2

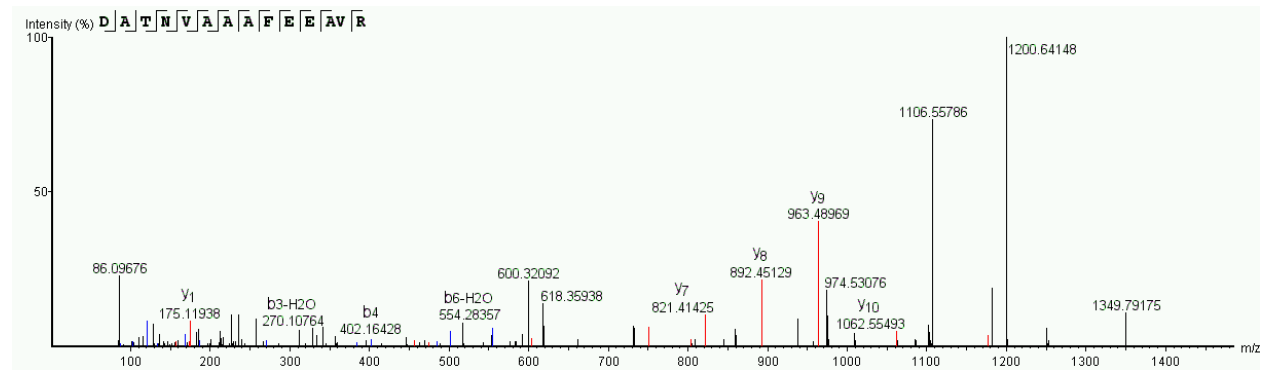
75. MS/MS at m/z 437.2263 (2+, RT=23.6921)



Identified protein:

|P62879|GGB2_HUMAN Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2

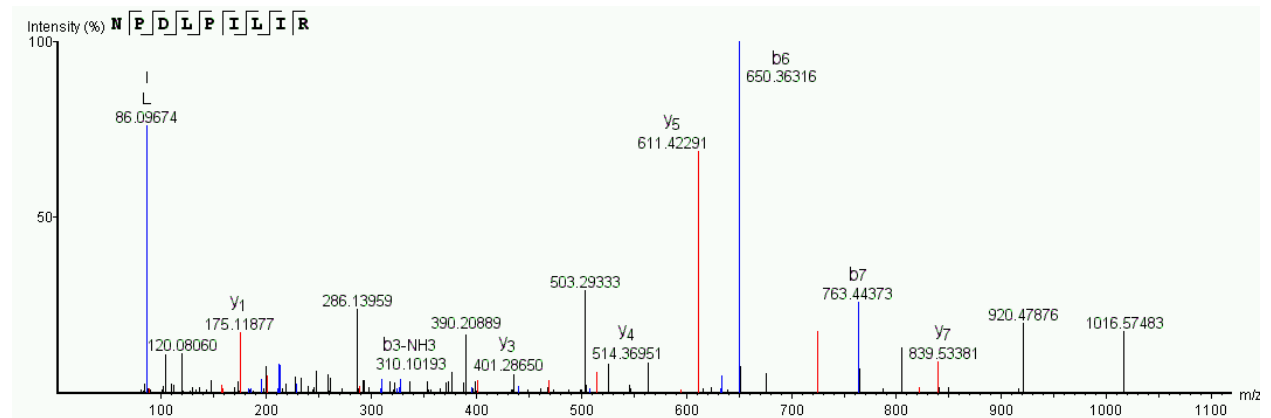
76. MS/MS at m/z 732.36804 (2+, RT=60.0518)



Identified protein:

|P51151|RAB9A_HUMAN Ras-related protein Rab-9A

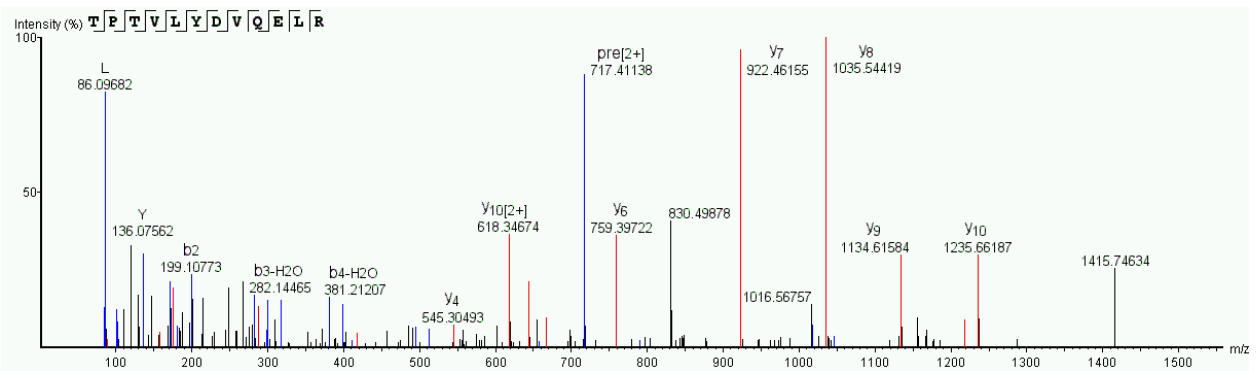
77. MS/MS at m/z 525.8191 (2+, RT=54.3192)



Identified protein

|O43678|NDUA2_HUMAN NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2

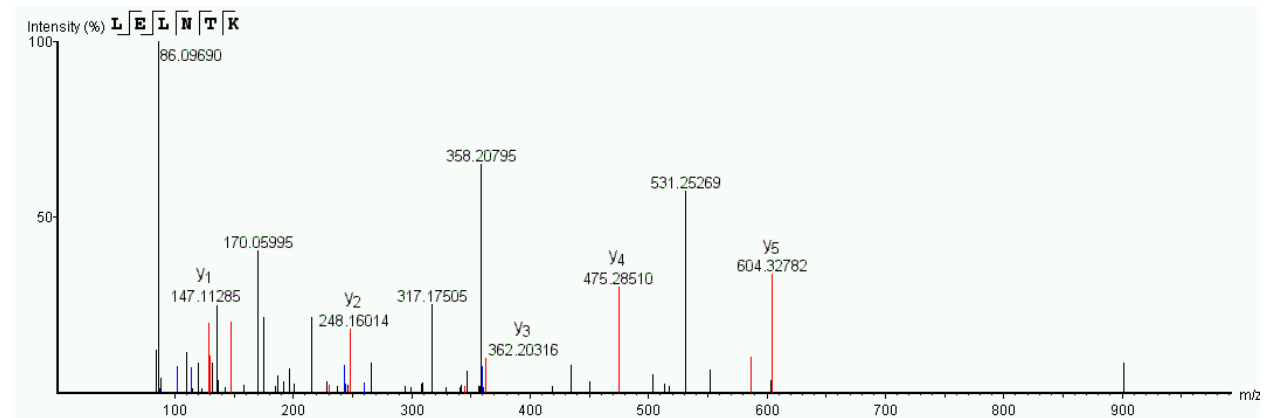
78. MS/MS at m/z 717.3792 (2+, RT=54.6029)



Identified protein:

|P09525|ANXA4_HUMAN Annexin A4

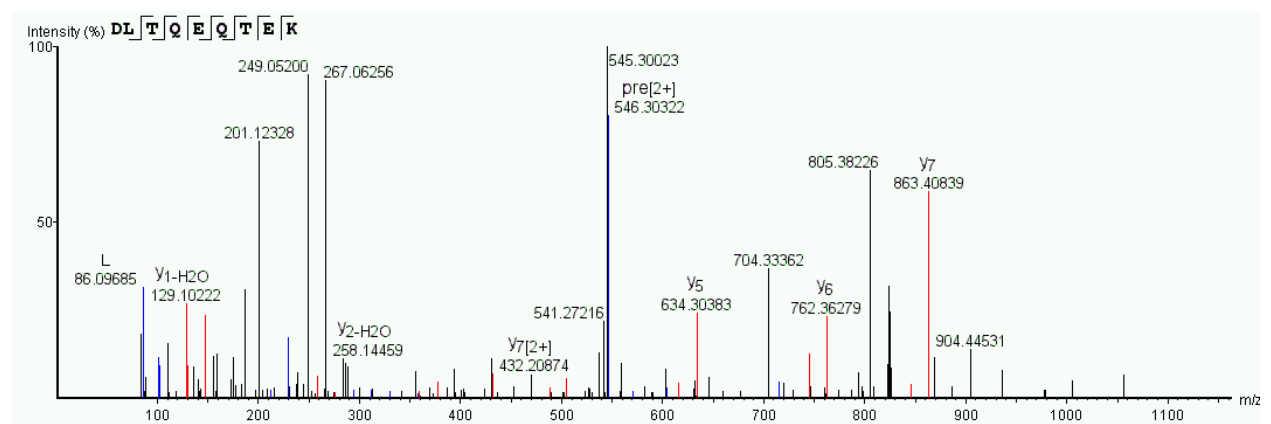
79. MS/MS at m/z 359.21036 (2+, RT=28.0345)



Identified protein:

|Q9H1H9-4| KI13A_HUMAN Isoform 4 of Kinesin-like protein KIF13A

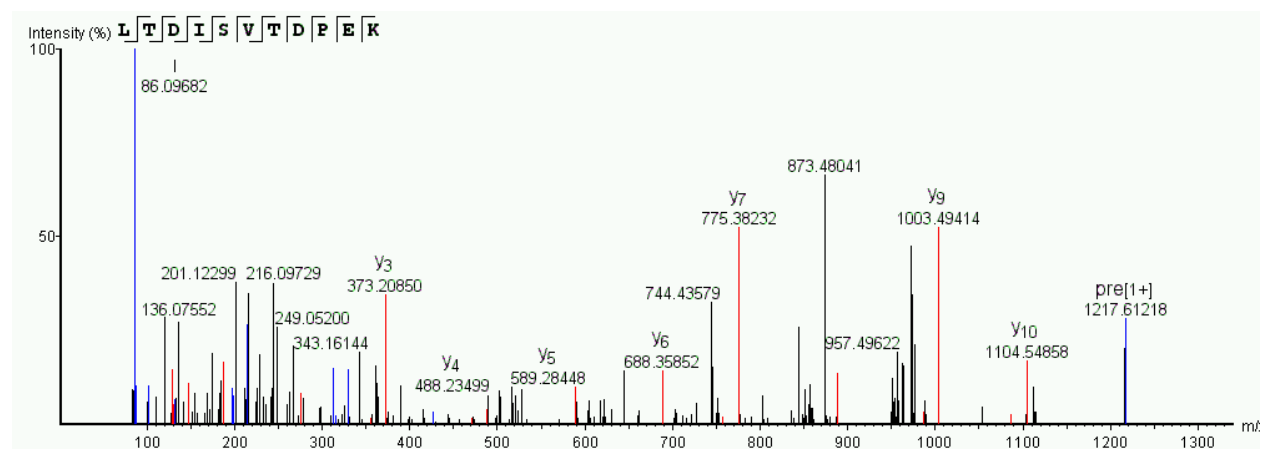
80. MS/MS at m/z 546.2639 (2+, RT=25.8778)



Identified protein

|Q96CS3|FAF2_HUMAN FAS-associated factor 2

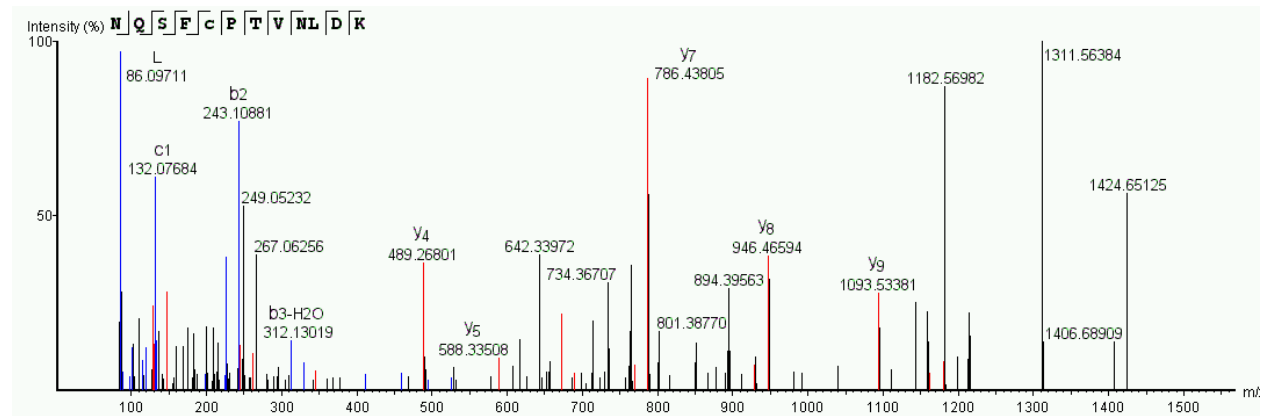
81. MS/MS at m/z 609.3177 (2+, RT=39.7965)



Identified protein:

|Q9Y333|LSM2_HUMAN U6 snRNA-associated Sm-like protein LSM2

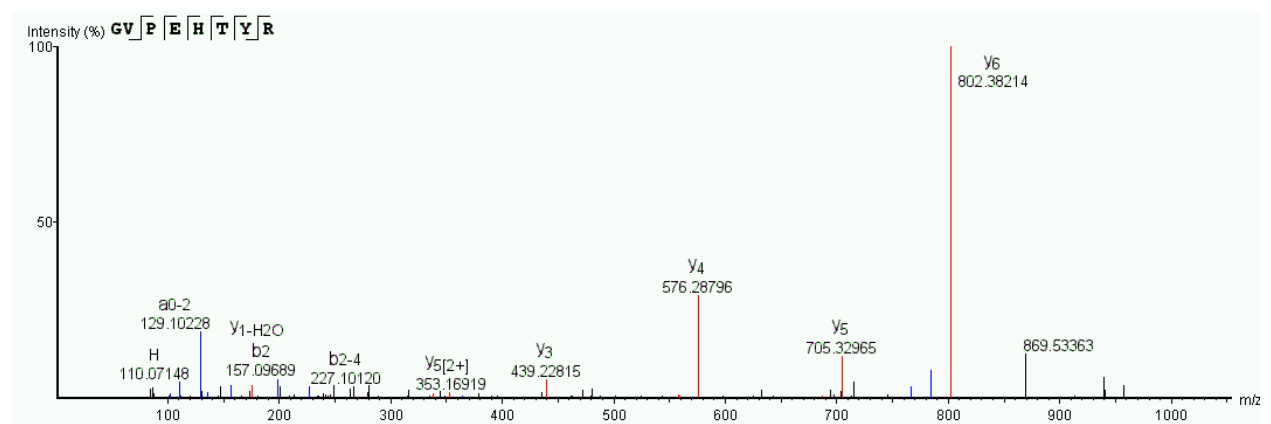
82. MS/MS at m/z 711.84015 (2+, RT=44.3263)



Identified protein:

|E9PLL6|E9PLL6_HUMAN 60S ribosomal protein L27a

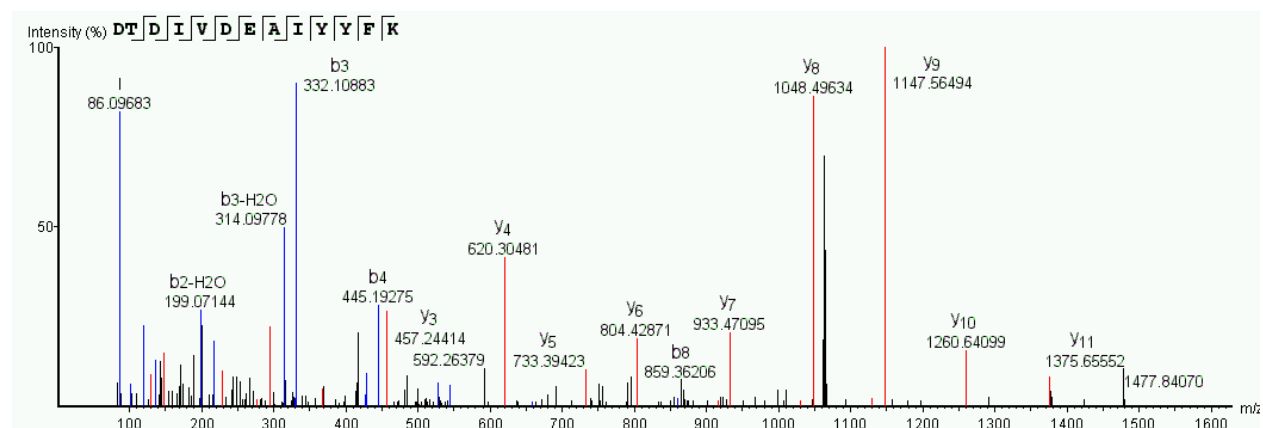
83. MS/MS at m/z 479.73984 (2+, RT=25.1691)



Identified protein:

|E9PIM6|E9PIM6_HUMAN Thy-1 membrane glycoprotein (Fragment)

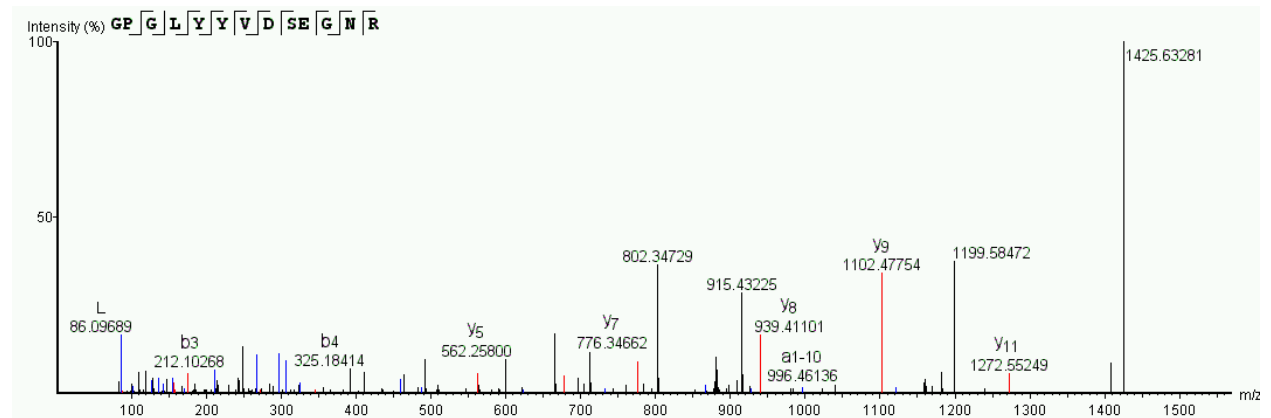
84. MS/MS at m/z 796.38477 (2+, RT=69.8738)



Identified protein:

|O15145|ARPC3_HUMAN Actin-related protein 2/3 complex subunit 3

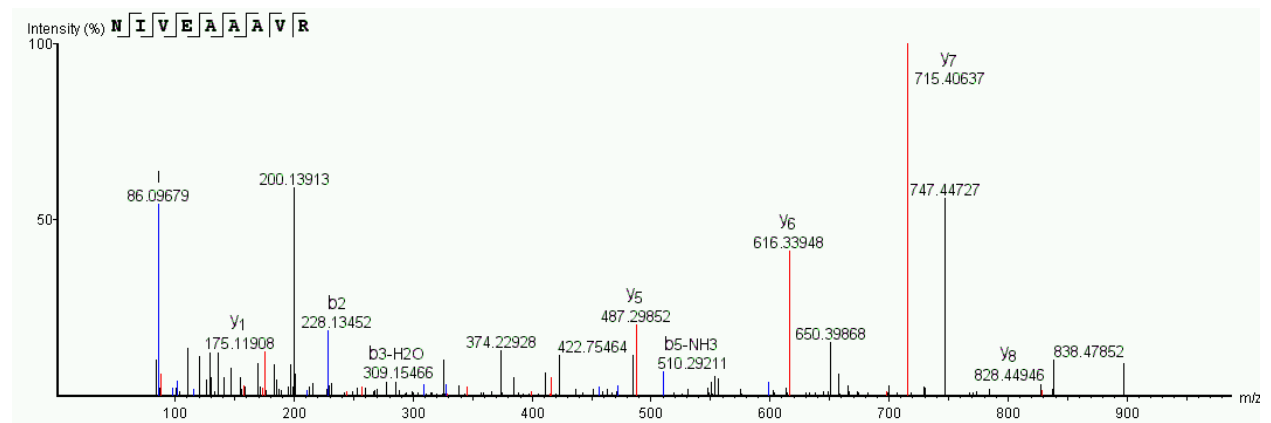
85. MS/MS at m/z 713.83234 (2+, RT=42.9187)



Identified protein:

|P28074|PSB5_HUMAN Proteasome subunit beta type-5

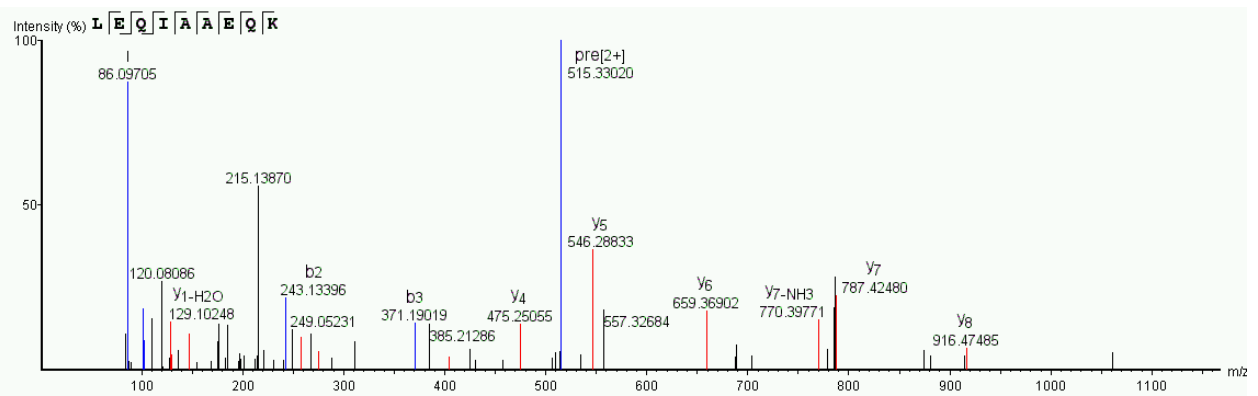
86. MS/MS at m/z 471.7723 2+, RT=35.8178)



Identified protein:

|P62854|RS26_HUMAN 40S ribosomal protein S26

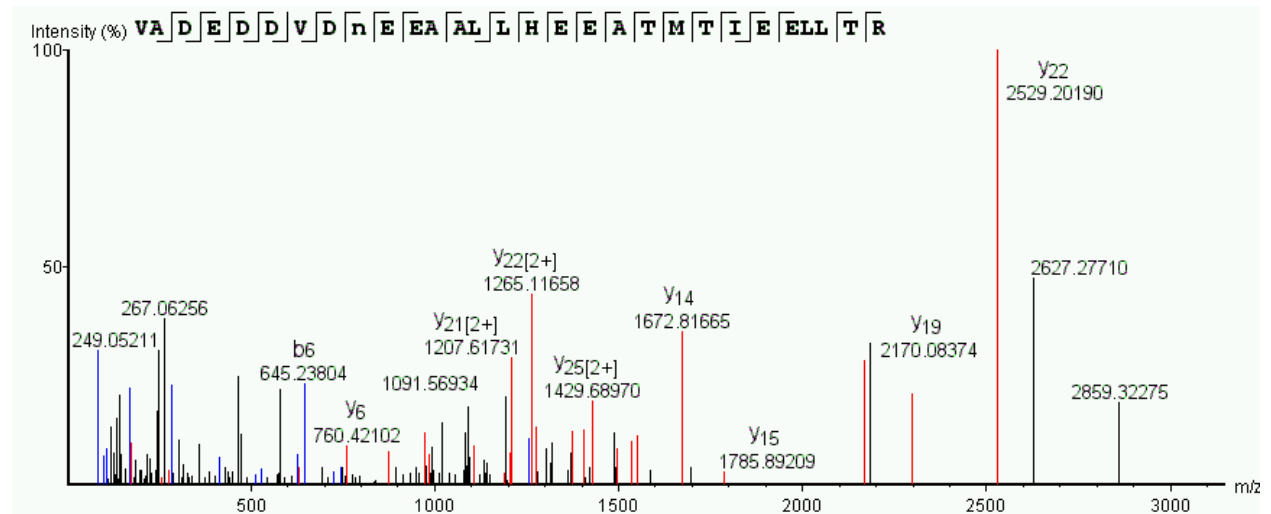
87. MS/MS at m/z 515.28577 (2+, RT=29.8714)



Identified protein:

[Q5QPM0] RALY_HUMAN RNA-binding protein Raly (Fragment)

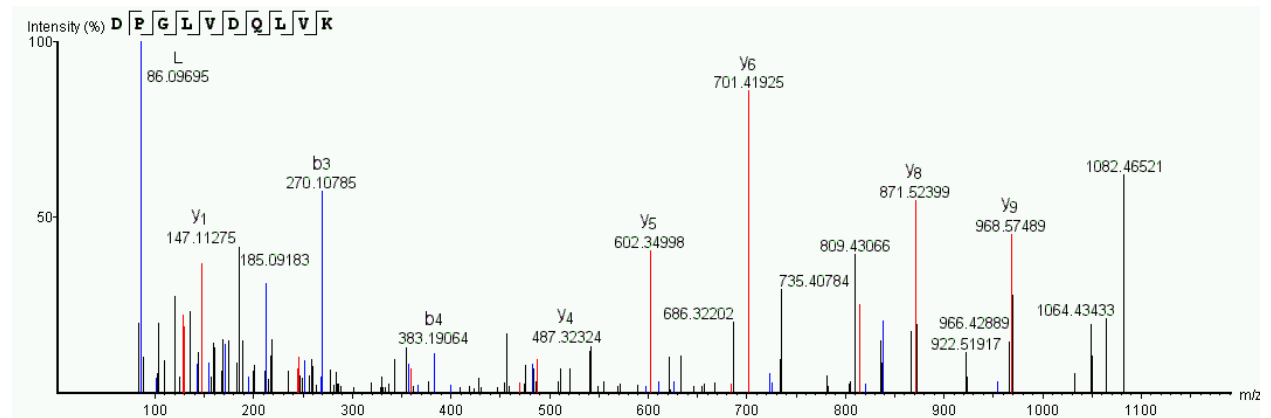
88. MS/MS at m/z 1091.5151 (3+, RT=78.0722)



Identified protein:

|O15355|PPM1G_HUMAN Protein phosphatase 1G

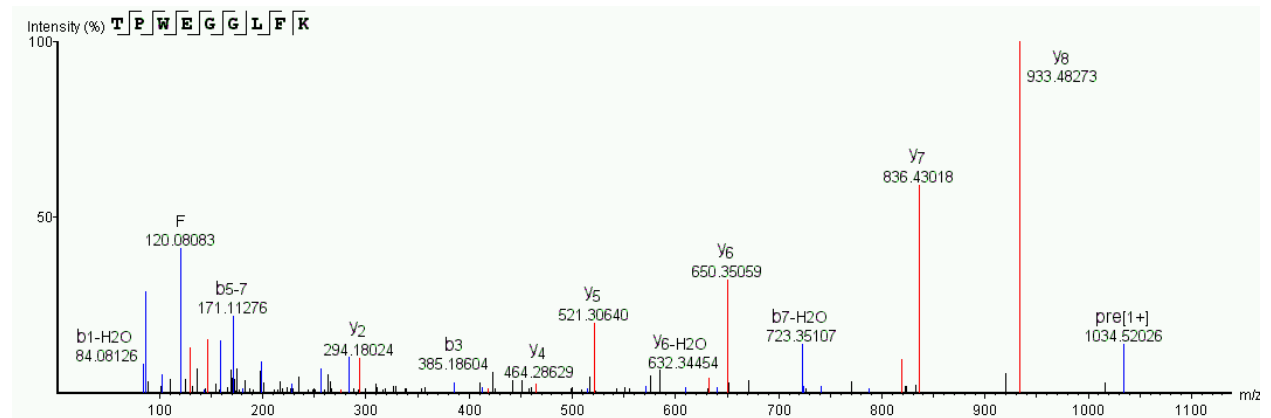
89. MS/MS at m/z 542.307 (2+, RT=50.321)



Identified protein:

|Q5T5C7|Q5T5C7_HUMAN Serine--tRNA ligase, cytoplasmic

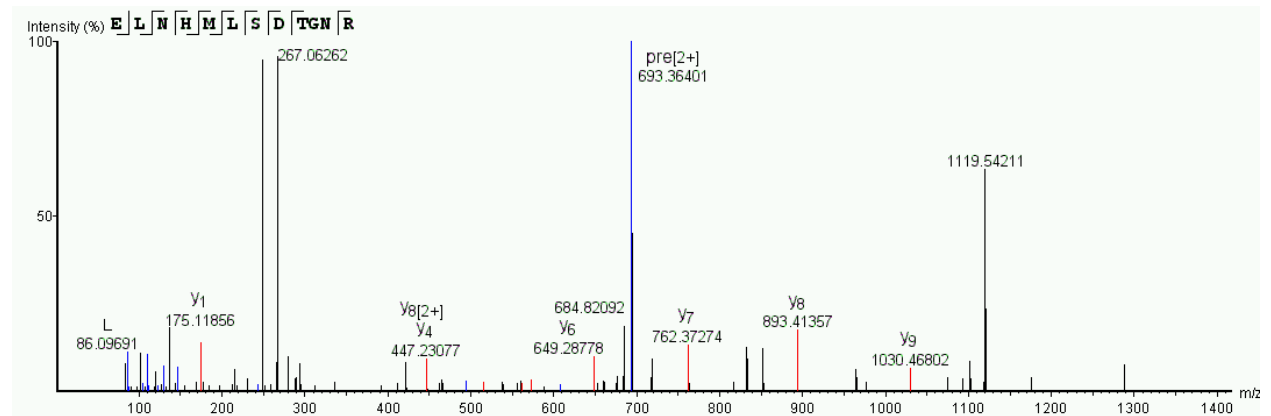
90. MS/MS at m/z 517.76953 (2+, RT=52.4712)



Identified protein:

|P63279|UBC9_HUMAN SUMO-conjugating enzyme UBC9

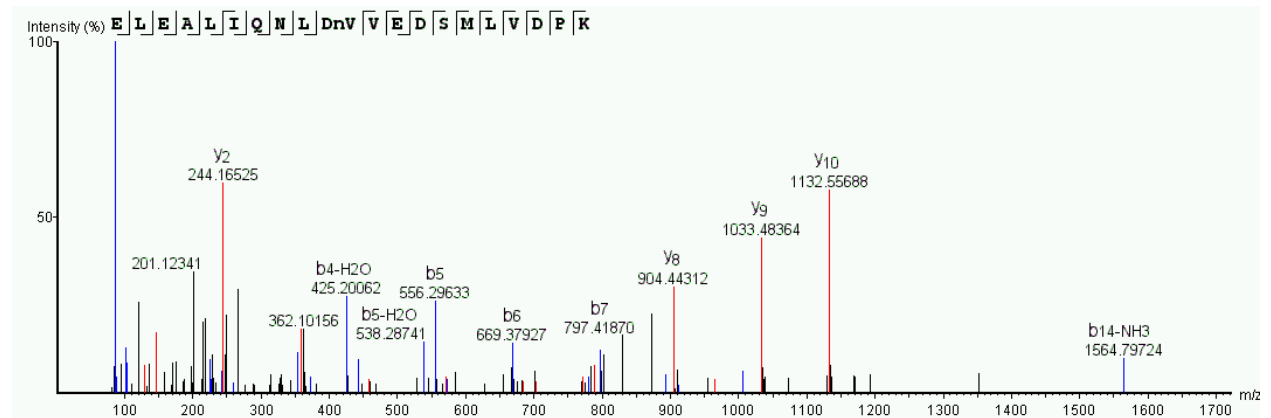
91. MS/MS at m/z 693.82495 (2+, RT=34.5371)



Identified protein:

|Q96FQ6|S10AG_HUMAN Protein S100-A16

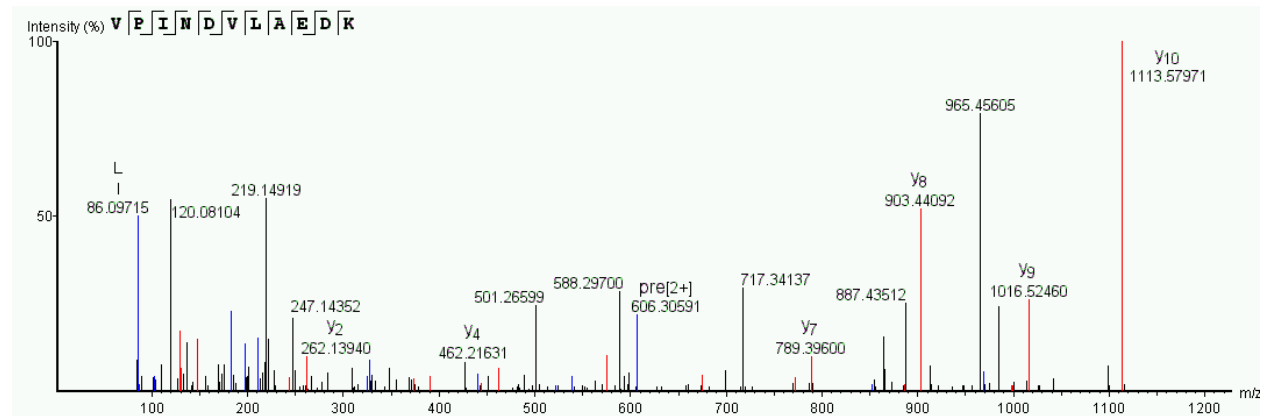
92. MS/MS at m/z 829.09125 (3+, RT=81.1746)



Identified protein:

|Q00341-2|VIGLN_HUMAN Isoform 2 of Vigilin

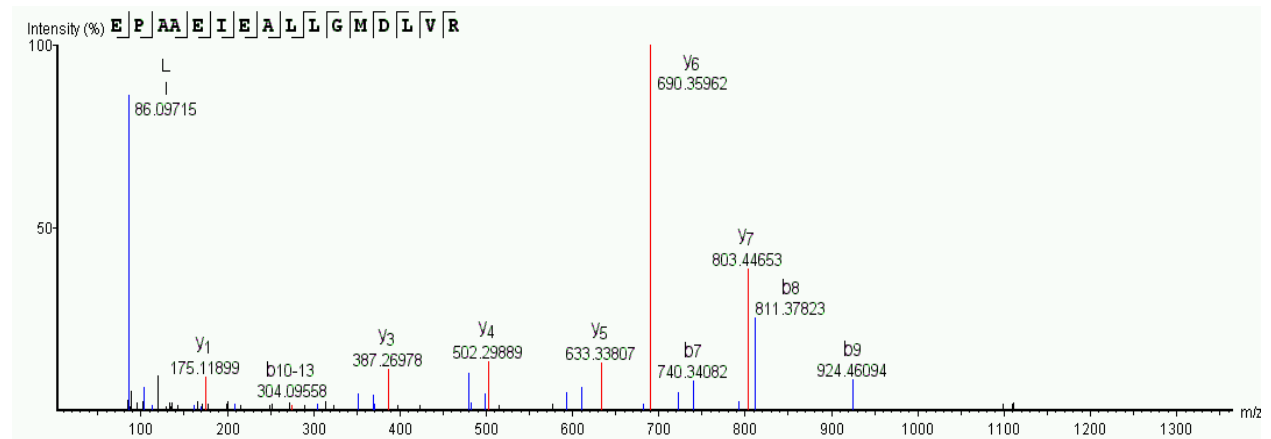
93. MS/MS at m/z 606.8201 (2+, RT=44.8892)



Identified protein:

|G5E9W7|G5E9W7_HUMAN 28S ribosomal protein S22, mitochondrial, Coeluted with ...TFES...

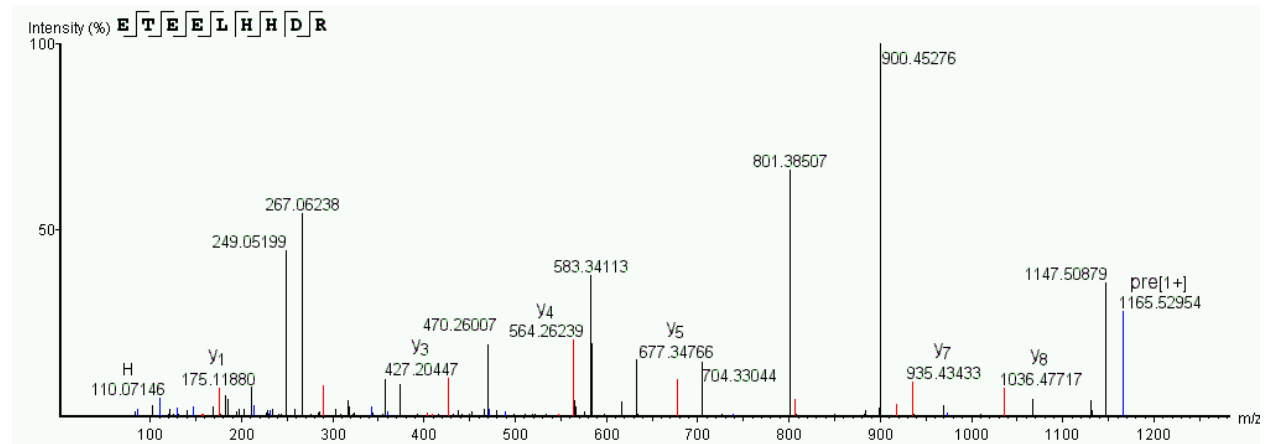
94. MS/MS at m/z 576.3035 (3+, RT=73.9022)



Identified protein:

|Q12765|SCRN1_HUMAN Secernin-1

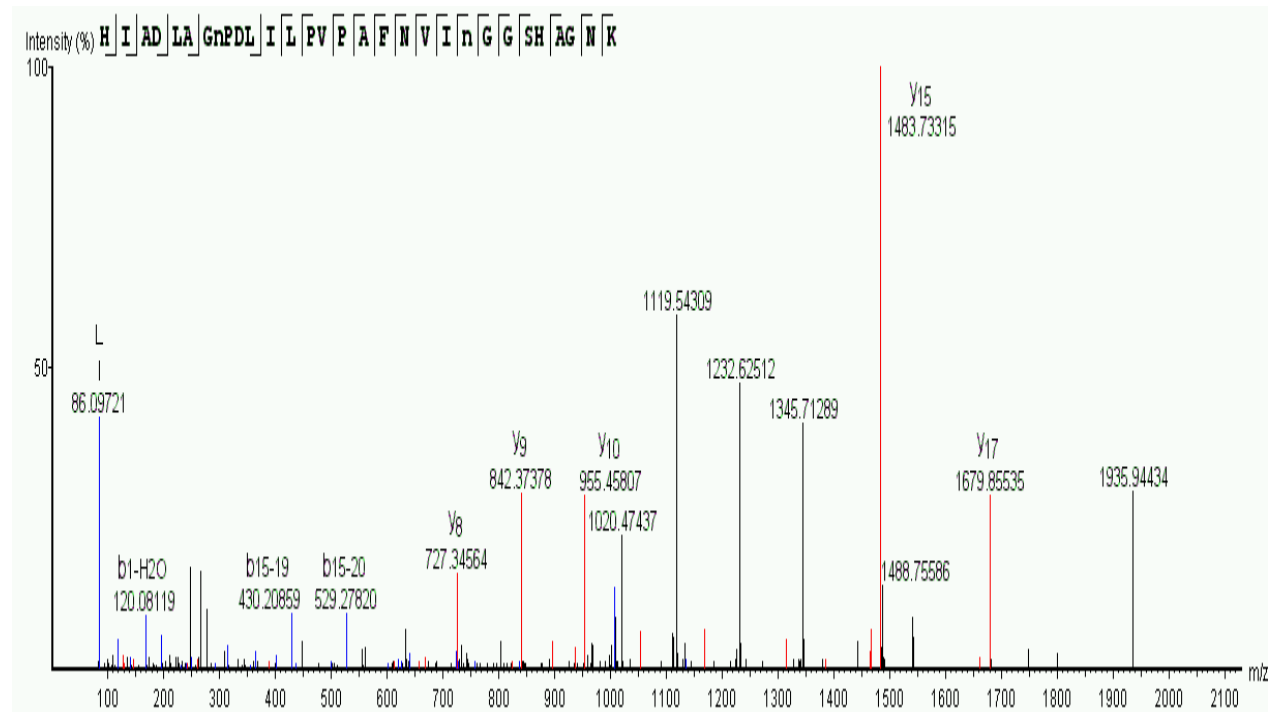
95. MS/MS at m/z 583.2647 (2+, RT=16.0582)



Identified protein:

|O60869-2|EDF1_HUMAN Isoform 2 of Endothelial differentiation-related factor 1

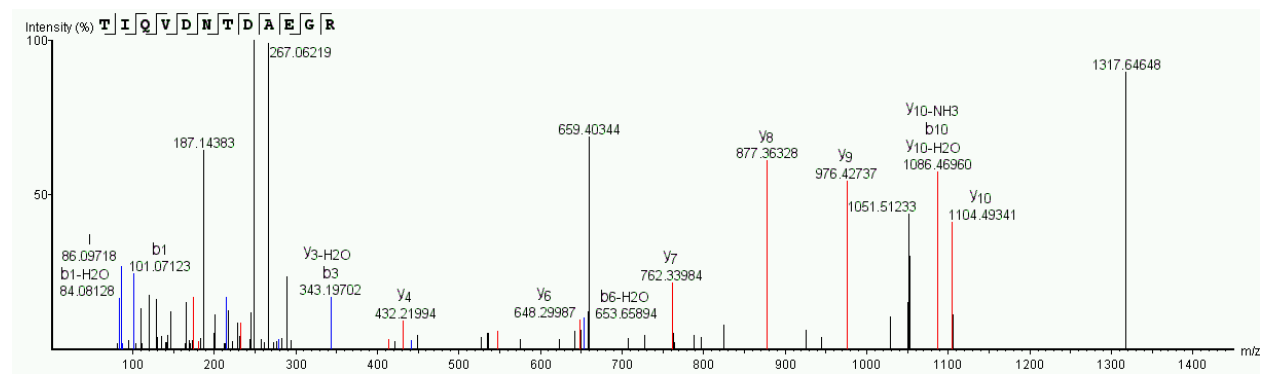
96. MS/MS at m/z 1008.5224 (3+, RT=63.6885)



Identified protein

|P13929-3|ENOB_HUMAN Isoform 3 of Beta-enolase OS=Homo sapiens GN=ENO3

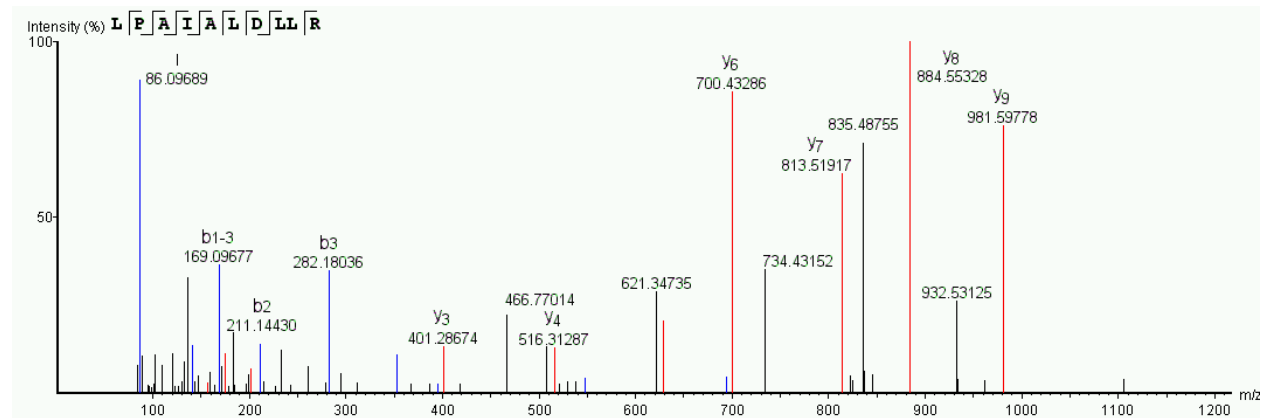
97. MS/MS at m/z 659.81793 (2+, RT=32.1636)



Identified protein:

|P28838-2|AMPL_HUMAN Isoform 2 of Cytosol aminopeptidase

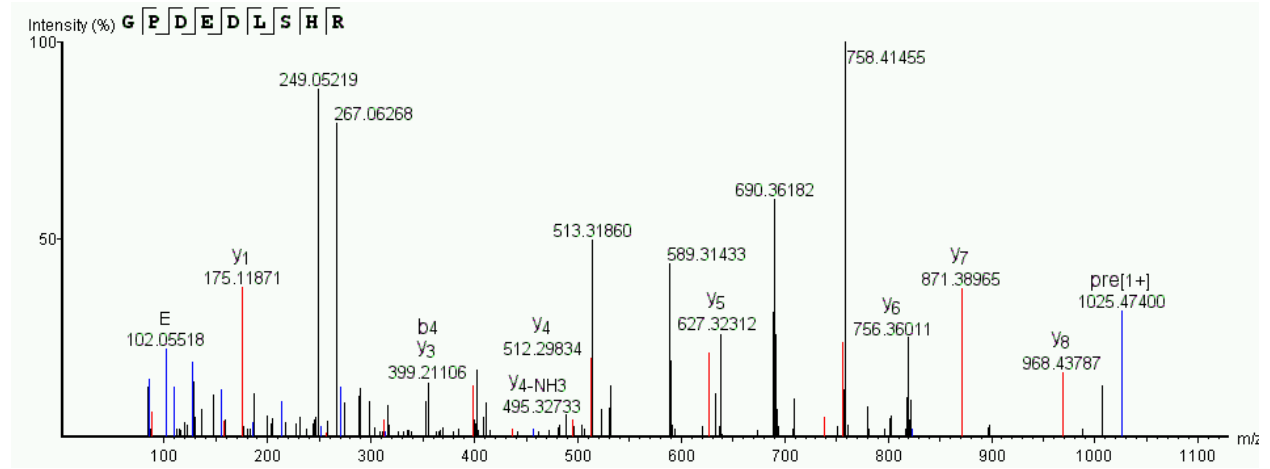
98. MS/MS at m/z 547.84973 (2+, RT=65.0898)



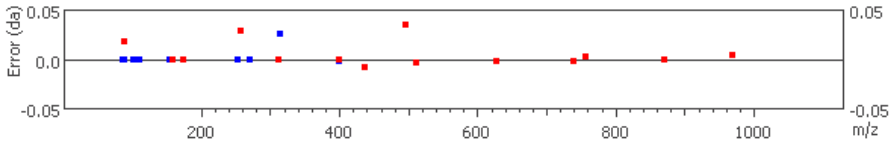
Identified protein:

|I3L1L3|I3L1L3_HUMAN Myb-binding protein 1A (Fragment)

99. MS/MS at m/z 513.23865 (2+, RT=25.3707)



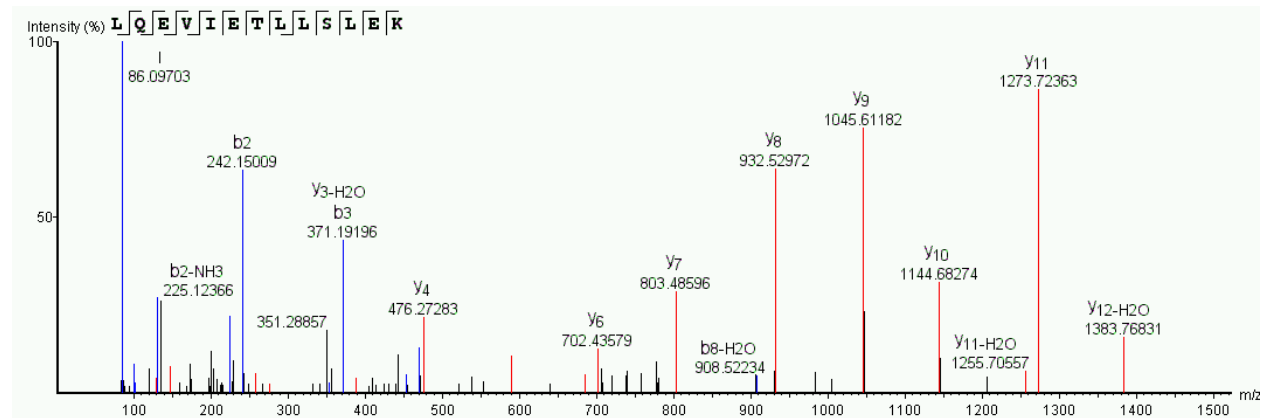
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y+H2O	y-NH3	y (2+)	#
1	30.03429	58.02929	40.01873	41.00229	75.05629	29.51464	G					9
2	70.06558	155.08180	137.07149	138.05504	172.10904	78.04102	P	968.43787	950.43262	951.41620	484.72159	8
3	88.03967	270.10797	252.09766	253.08199	287.13599	135.55449	D	871.38965	853.37982	854.36340	436.20383	7
4	102.05518	399.15378	381.14099	382.12457	416.17856	200.07578	E	756.36011	738.35510	739.33649	378.68173	6
5	88.03976	514.17847	496.16791	497.15149	531.20551	257.58923	D	627.32312	609.31030	610.29388	314.16043	5
6	86.09708	627.26257	609.25201	610.23560	644.28961	314.10431	L	512.29834	494.28339	495.23083	256.61707	4
7	60.04485	714.29456	696.28400	697.26758	731.32159	357.64728	S	399.21106	381.19931	382.18289	200.10493	3
8	110.07159	851.35352	833.34296	834.32654	868.38055	426.17676	H	312.17694	294.16730	295.15088	156.58893	2
9	129.11392						R	175.11871	157.10838	158.09238	88.03967	1



Identified protein:

|Q9HC07|TM165_HUMAN Transmembrane protein 165

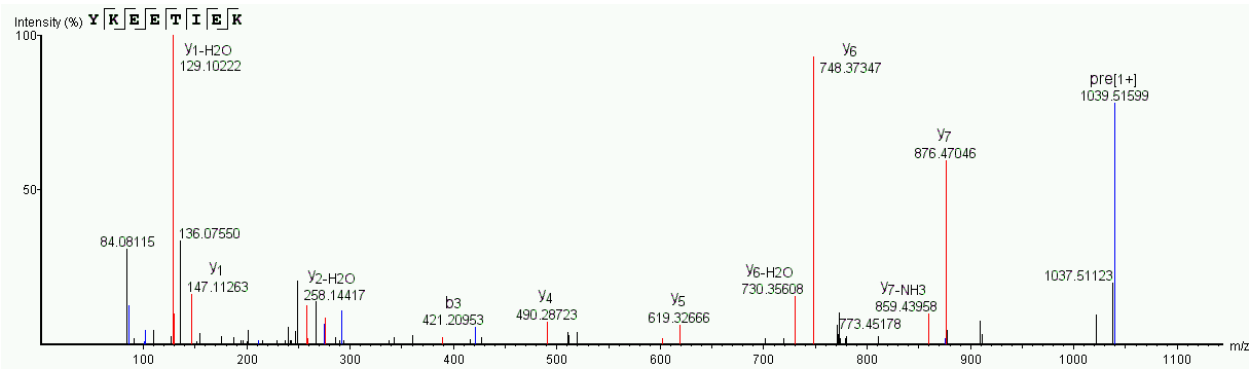
100. MS/MS at m/z 757.9374 (2+, RT=69.9515)



Identified protein:

|O00232| PSD12_HUMAN 26S proteasome non-ATPase regulatory subunit 12

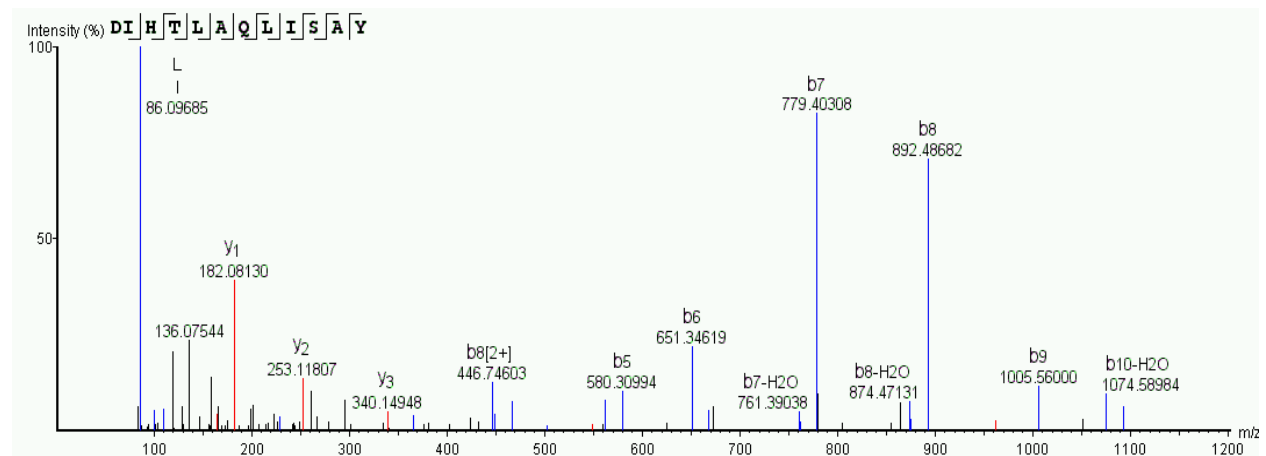
101. MS/MS at m/z 520.2681 (2+, RT=24.6667)



Identified protein:

|P61254|RL26_HUMAN 60S ribosomal protein L26

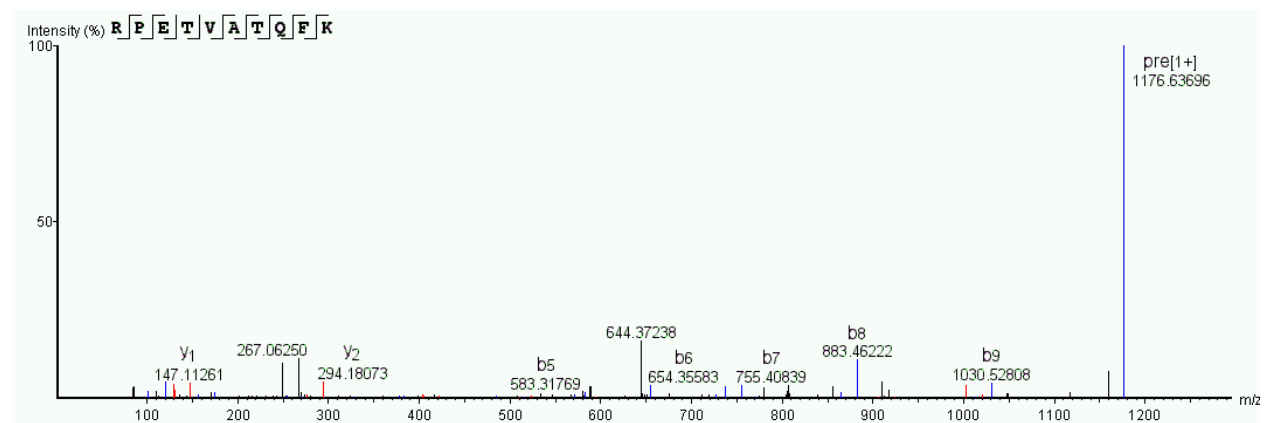
102. MS/MS at m/z 672.86017 (2+, RT=71.0108)



Identified protein:

|O76094|SRP72_HUMAN Signal recognition particle subunit SRP72

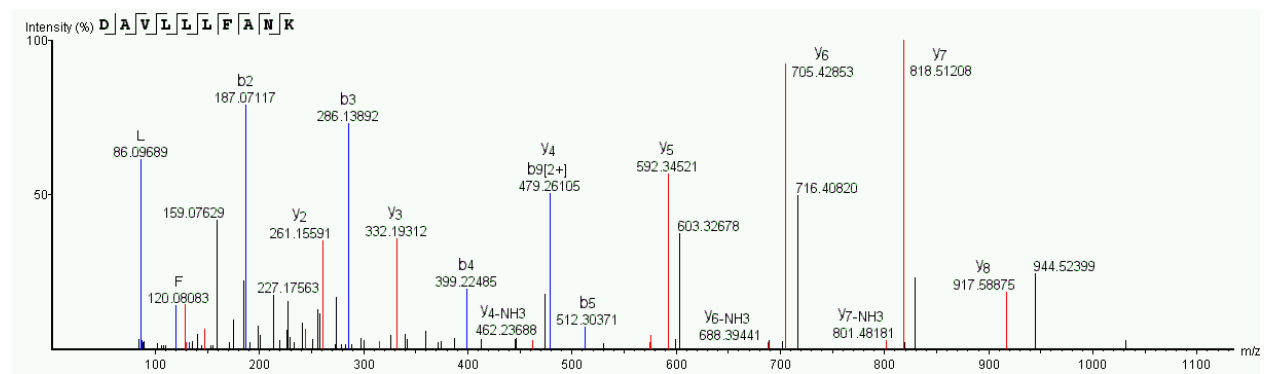
103. MS/MS at m/z 588.82166 (2+, RT=30.8422)



Identified protein:

|O00159-2|MYO1C_HUMAN Isoform 2 of Unconventional myosin-Ic

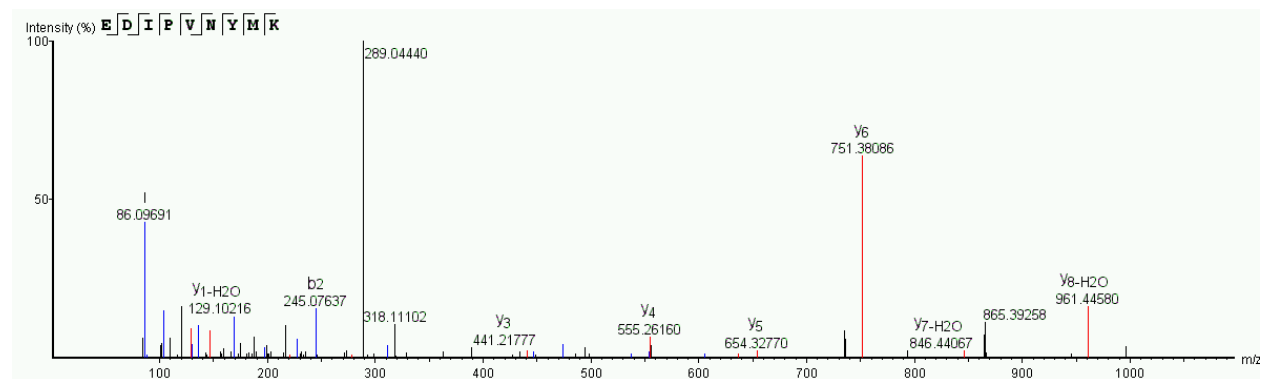
104. MS/MS at m/z 552.3267 (2+, RT=61.2268)



Identified protein:

|P18085|ARF4_HUMAN ADP-ribosylation factor 4 O

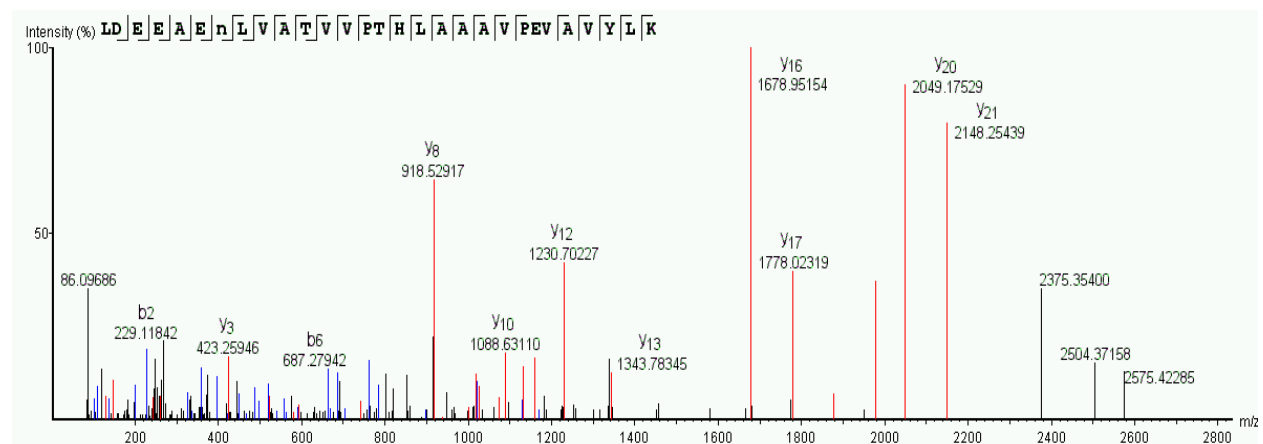
105. MS/MS at m/z 554.77264 (2+, RT=43.1505)



Identified protein:

|H3BS10|H3BS10_HUMAN Beta-hexosaminidase

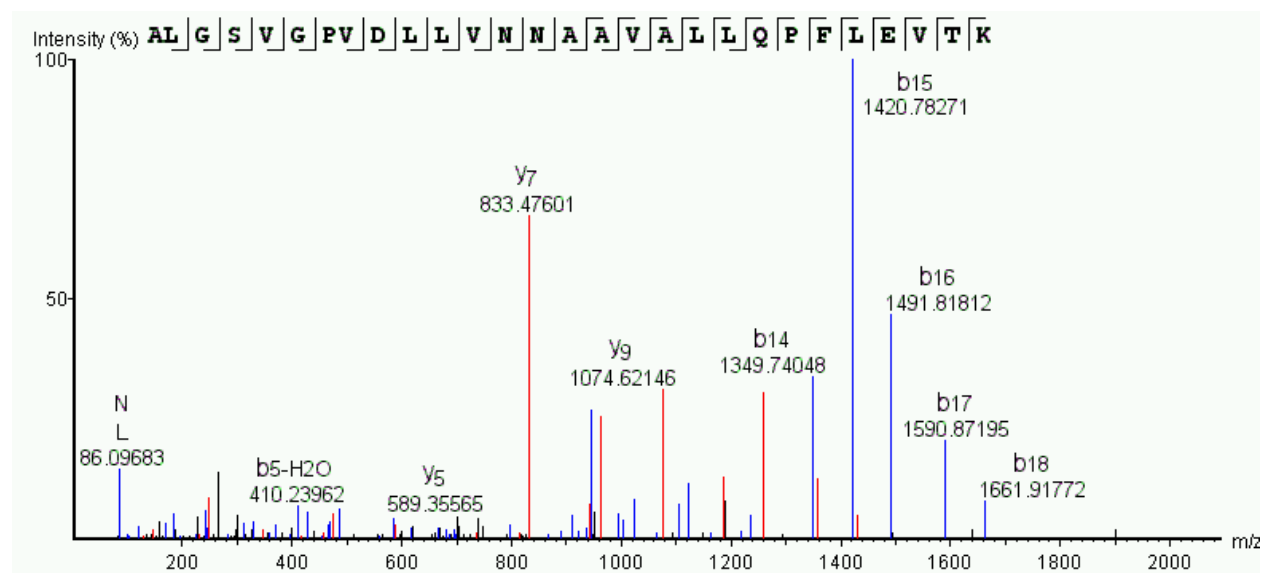
106. MS/MS at m/z 1021.54236 (3+, RT=74.9127)



Identified protein:

|Q15257|PTPA_HUMAN Serine/threonine-protein phosphatase 2A activator

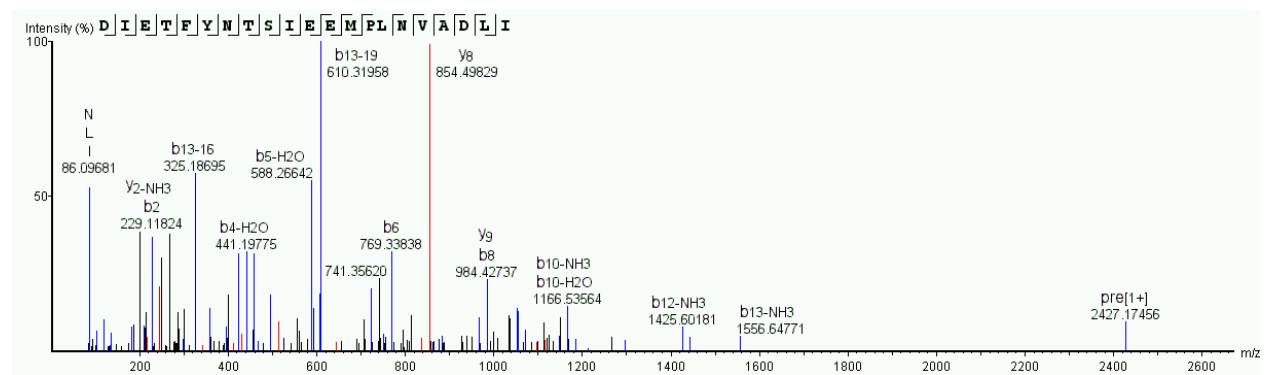
107. MS/MS at m/z 950.21844 (3+, RT=91.633)



Identified protein:

[J3KS22]DCXR_HUMAN L-xylulose reductase (Fragment)

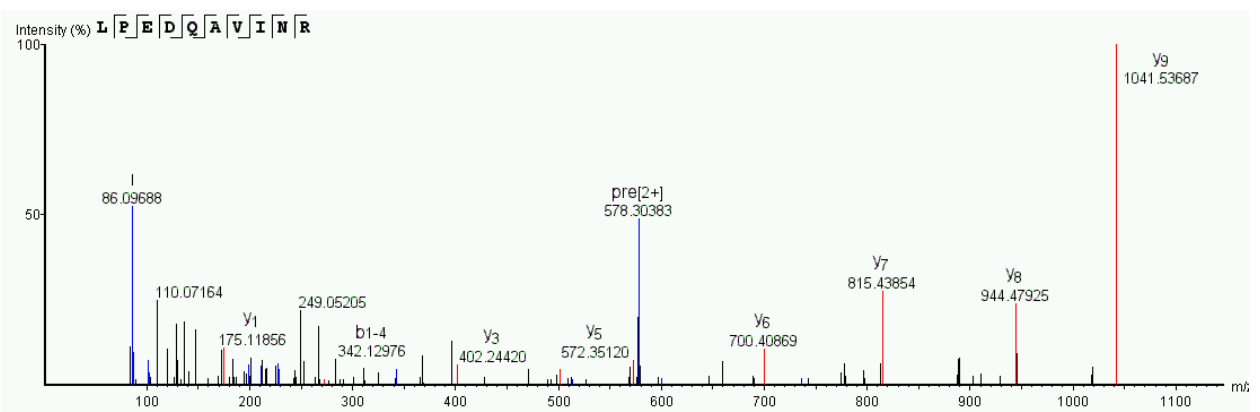
108. MS/MS at m/z 1214.0798 (2+, RT=82.9403)



Identified protein:

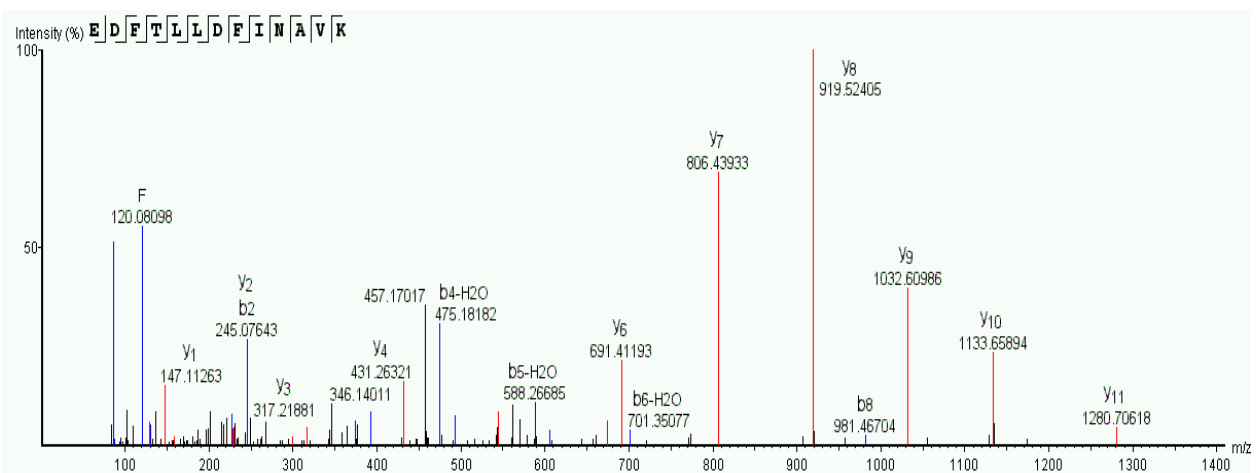
|P60842|IF4A1_HUMAN Eukaryotic initiation factor 4A-I

109. MS/MS at m/z 577.81024 (2+, RT=36.7521)



[I3NI32] DHODH_HUMAN Dihydroorotate dehydrogenase (quinone), mitochondrial

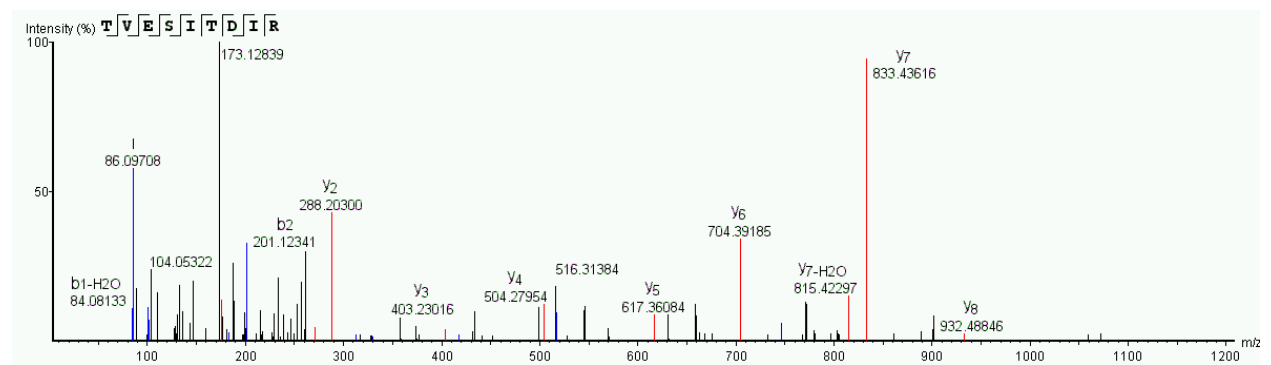
110. MS/MS at m/z 762.90265 (2+, RT=76.8415)



Identified protein:

|A0AVT1-2|UBA6_HUMAN Isoform 2 of Ubiquitin-like modifier-activating enzyme 6

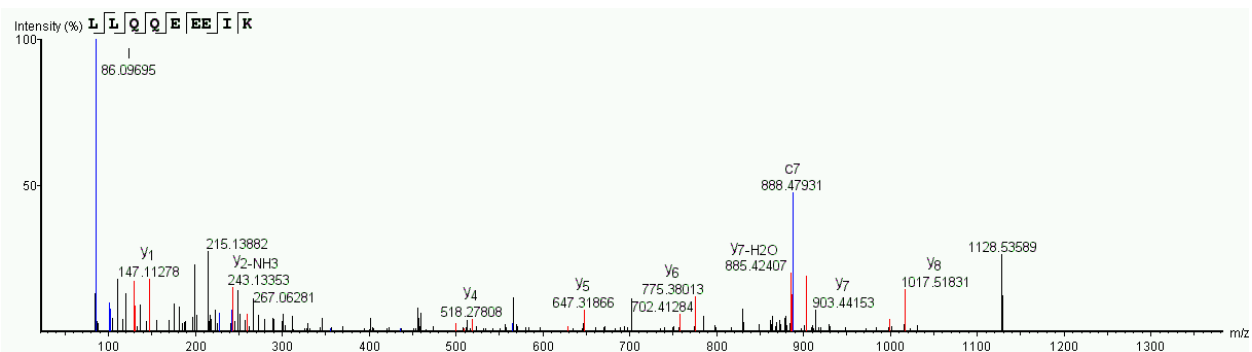
111. MS/MS at m/z 517.27954 (2+, RT=40.9336)



Identified protein:

[P11279]LAMP1_HUMAN Lysosome-associated membrane glycoprotein

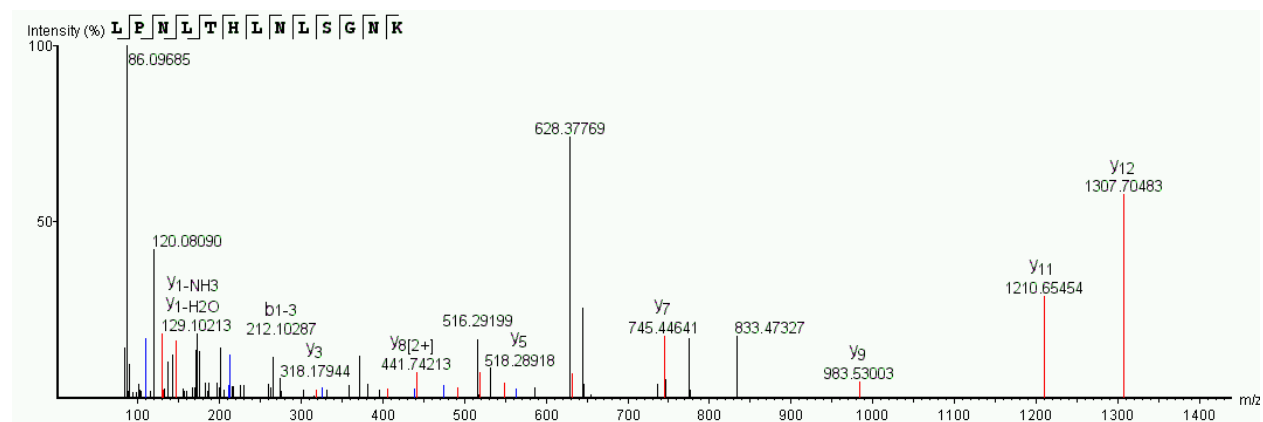
112. MS/MS at m/z 565.31226 (2+, RT=35.5789)



Identified protein:

|P54136|SYRC_HUMAN Arginine--tRNA ligase, cytoplasmic

113. MS/MS at m/z 474.26797 (3+, RT=48.7727)

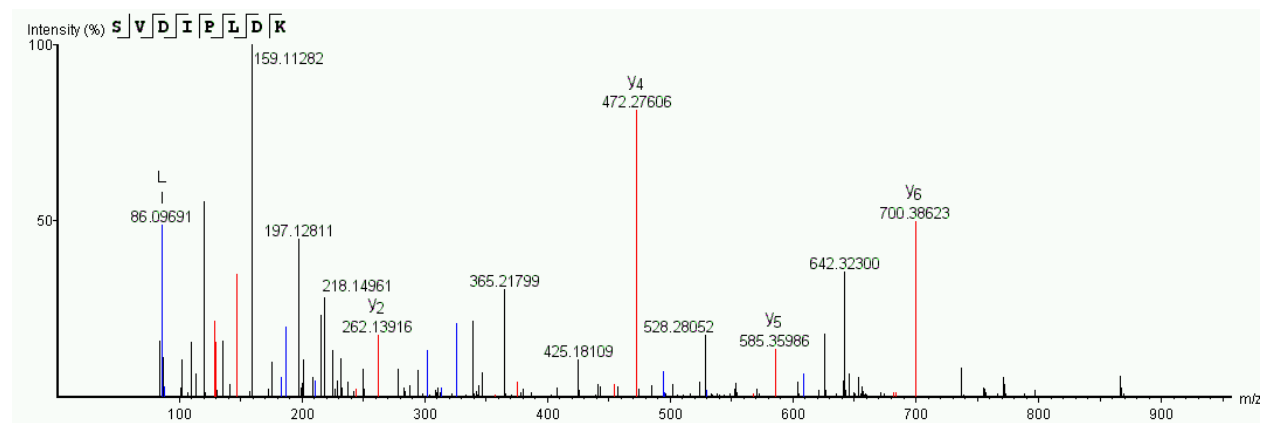


Identified protein:

|Q92688-2|AN32B_HUMAN Isoform 2 of Acidic leucine-rich nuclear phosphoprotein 32 family member

B

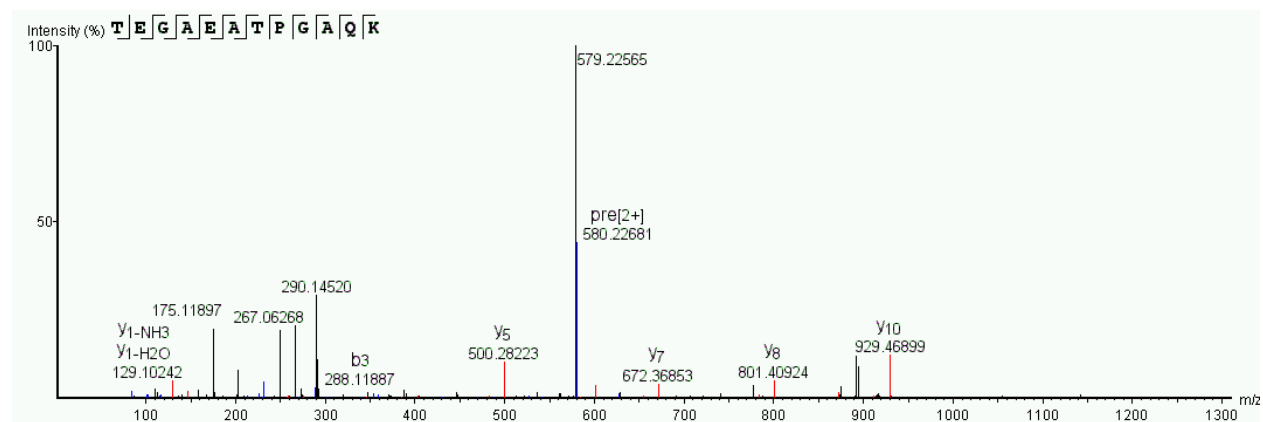
114. MS/MS at m/z 443.7477 (2+, RT=39.8605)



Identified protein:

|P61353|RL27_HUMAN 60S ribosomal protein L27

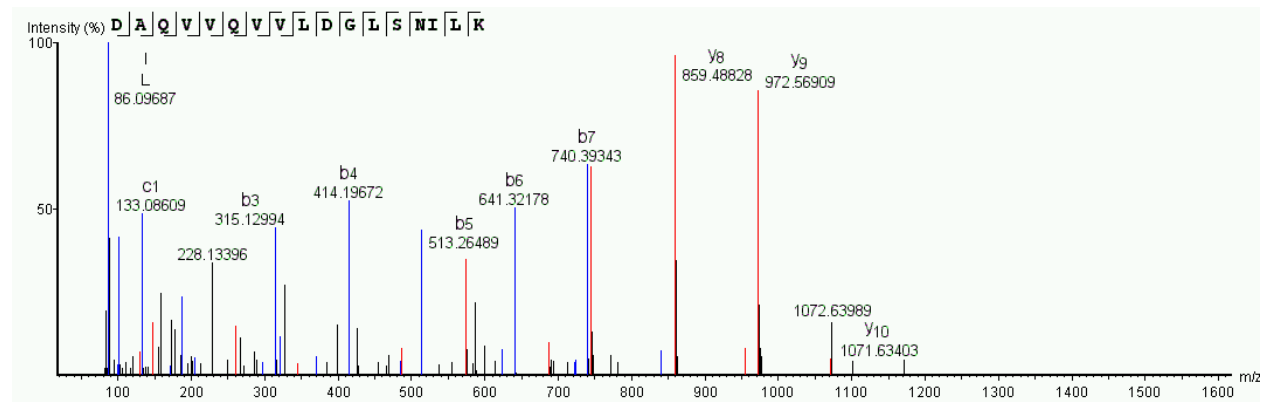
115. MS/MS at m/z 580.28204 (2+, RT=22.2431)



Identified protein:

|Q16666-3|IF16_HUMAN Isoform 3 of Gamma-interferon-inducible protein 16

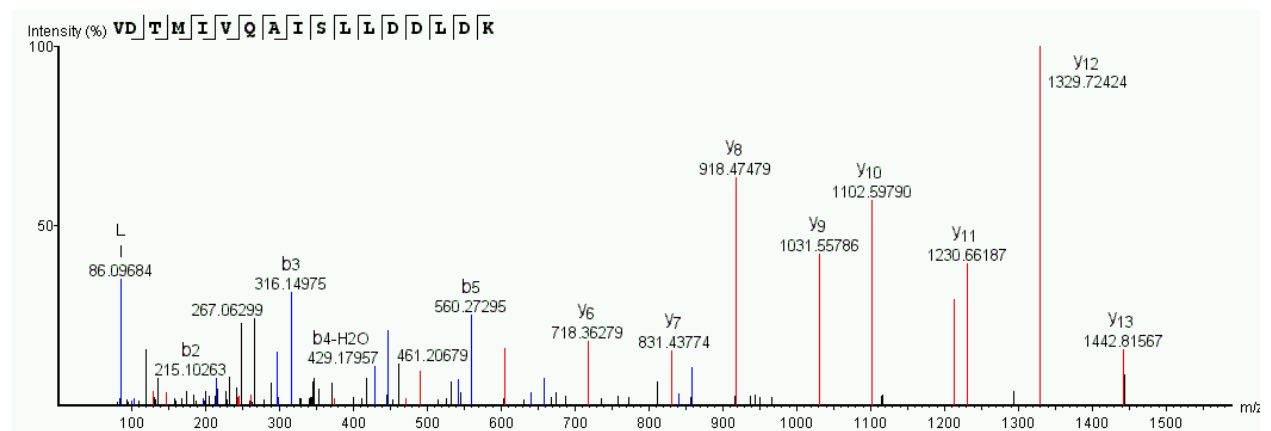
116. MS/MS at m/z 604.35095 (3+, RT=86.3234)



Identified protein:

|O00629| IMA3_HUMAN Importin subunit alpha-3

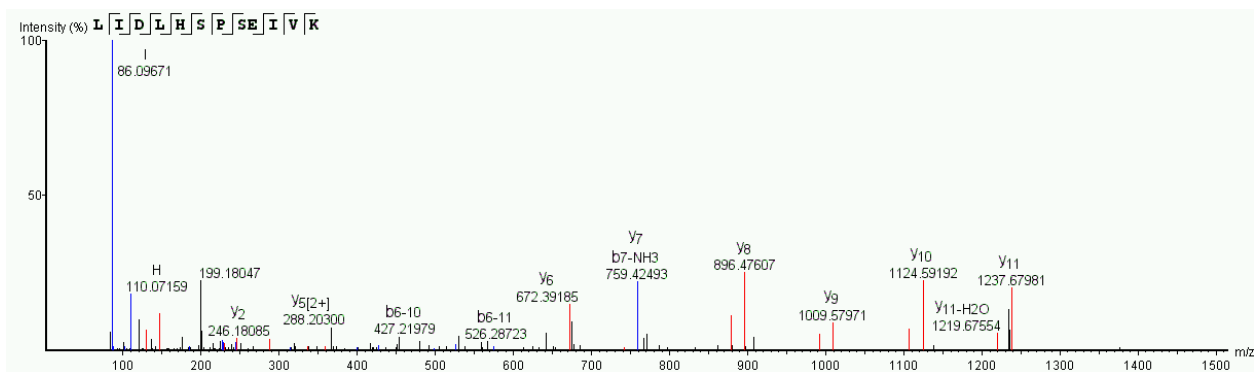
117. MS/MS at m/z 944.9925 (2+, RT=83.3799)



Identified protein

|Q9Y2X3|NOP58_HUMAN Nucleolar protein 58

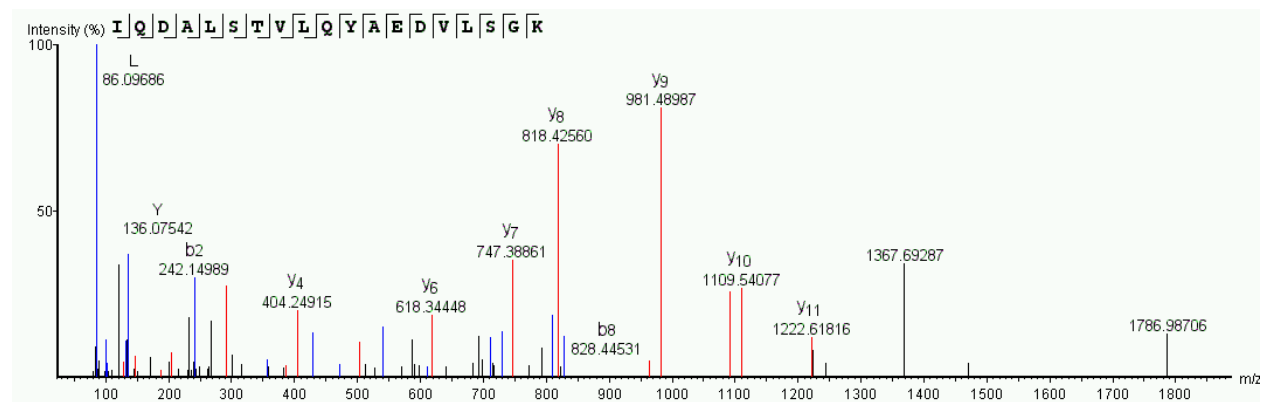
118. MS/MS at m/z 450.9251 (2+, RT=45.9301)



Identified protein:

|P60866|RS20_HUMAN 40S ribosomal protein S20

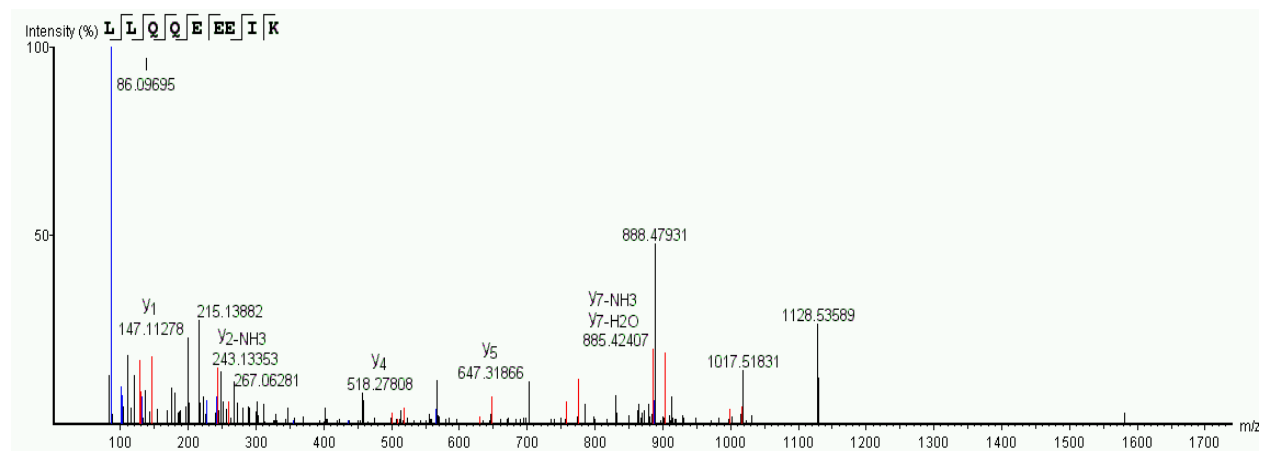
119. MS/MS at m/z 684.02783 (2+, RT=89.9391)



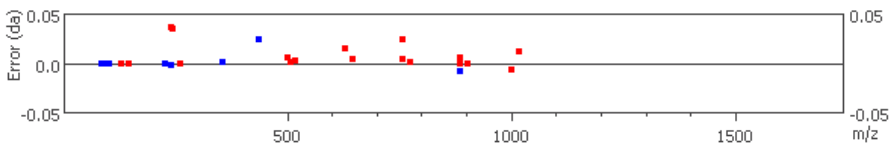
Identified protein:

|O00303|EIF3F_HUMAN Eukaryotic translation initiation factor 3 subunit F

120. MS/MS at m/z 565.31226 (2+, RT=35.5789)



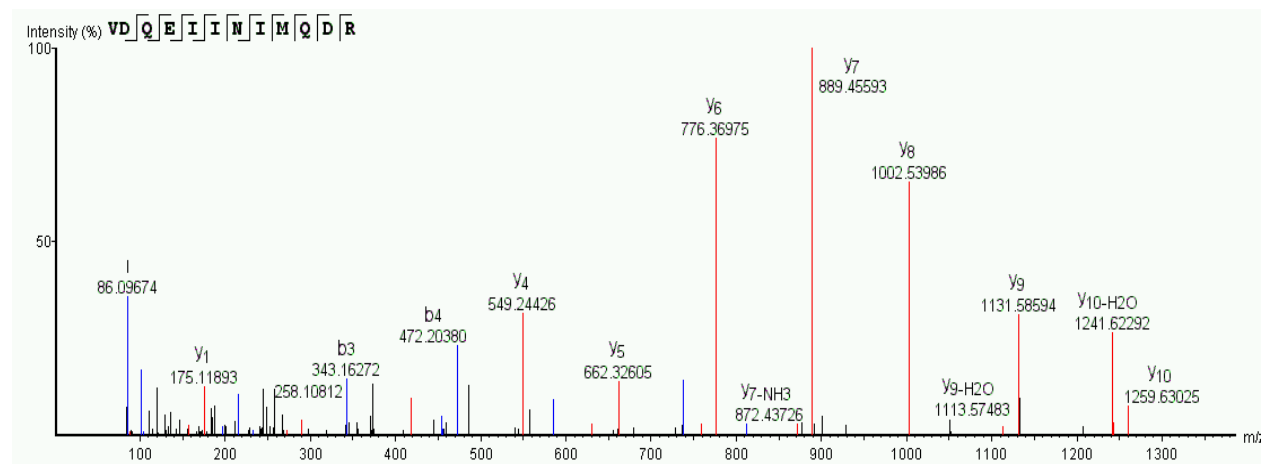
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	86.09689	114.09189	96.08133	97.06489	131.11809	57.54594	L					9
2	86.09689	227.17508	209.16539	210.14894	244.20294	114.08797	L	1016.51294	998.51526	999.50568	508.76022	8
3	101.07137	355.23199	337.22394	338.20752	372.26151	178.11725	Q	903.44153	885.42407	886.41418	452.22089	7
4	101.07140	483.29309	465.28253	466.26611	500.32010	242.14919	Q	775.38013	757.34778	758.35077	388.19159	6
5	102.05556	612.33569	594.32513	595.30872	629.36273	306.66785	E	647.31866	629.29761	630.29761	324.16229	5
6	102.05541	741.37830	723.36774	724.35132	758.40533	371.18915	E	518.27808	500.26416	501.25504	259.64102	4
7	102.05541	870.42084	852.41028	853.39386	887.45703	435.68494	E	389.23944	371.22888	372.21246	195.11972	3
8	86.09695	983.50488	965.49432	966.47791	1000.53192	492.25244	I	260.19702	242.14919	243.13353	130.59842	2
9	101.10778						K	147.11278	129.10245	130.08635	74.05640	1



Identified protein:

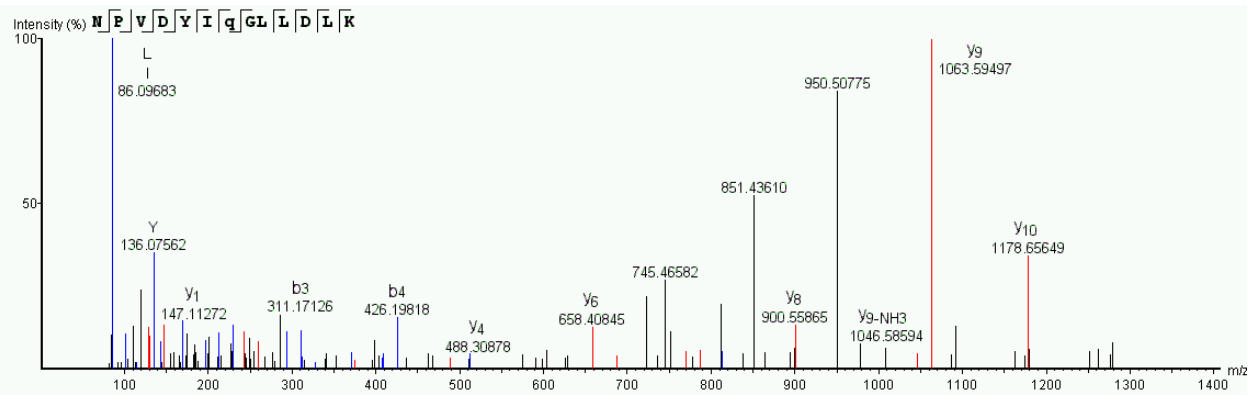
|P54136|SYRC_HUMAN Arginine--tRNA ligase, cytoplasmic

121. MS/MS at m/z 737.3714 (2+, RT=55.1983)



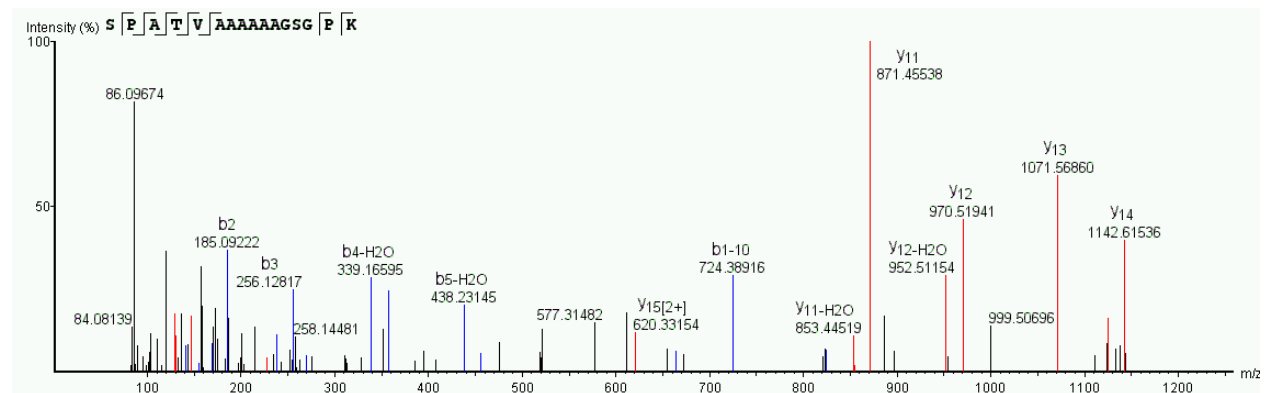
|H3BPJ9| NDUFB10_HUMAN NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10

122. MS/MS at m/z 744.89984 (2+, RT=72.6442)



|Q13618-3|CUL3_HUMAN Isoform 3 of Cullin-3

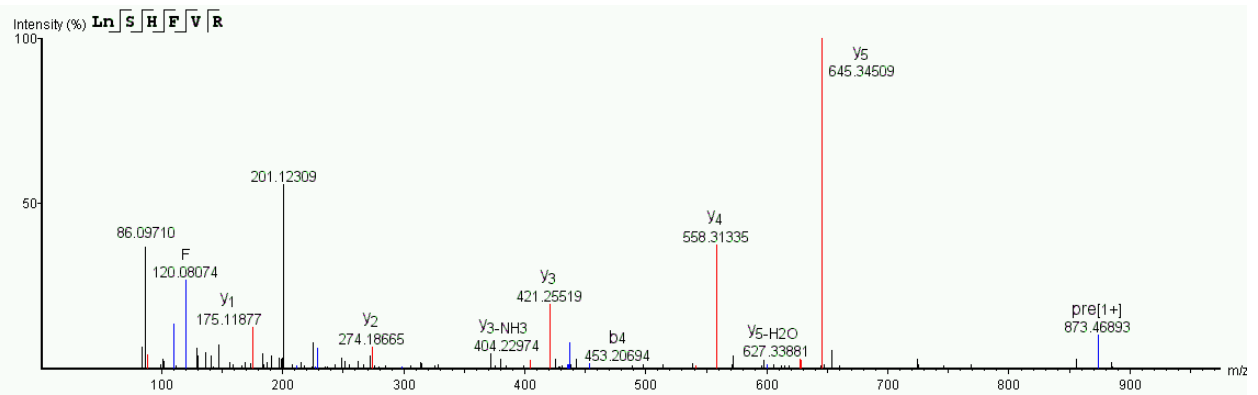
123. MS/MS at m/z 663.84924 (2+, RT=59.8639)



Identified protein:

|Q13045-3|FLII_HUMAN Isoform 3 of Protein flightless-1

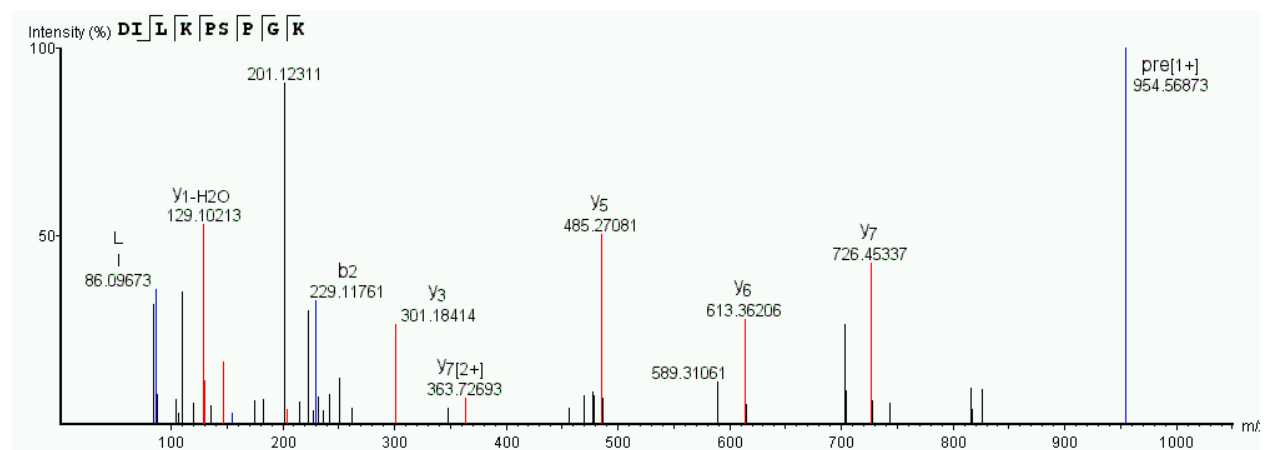
124. MS/MS at m/z 437.2335 (2+, RT=36.2425)



Identified protein:

|Q9BRK5-6|CAB45_HUMAN Isoform 6 of 45 kDa calcium-binding protein

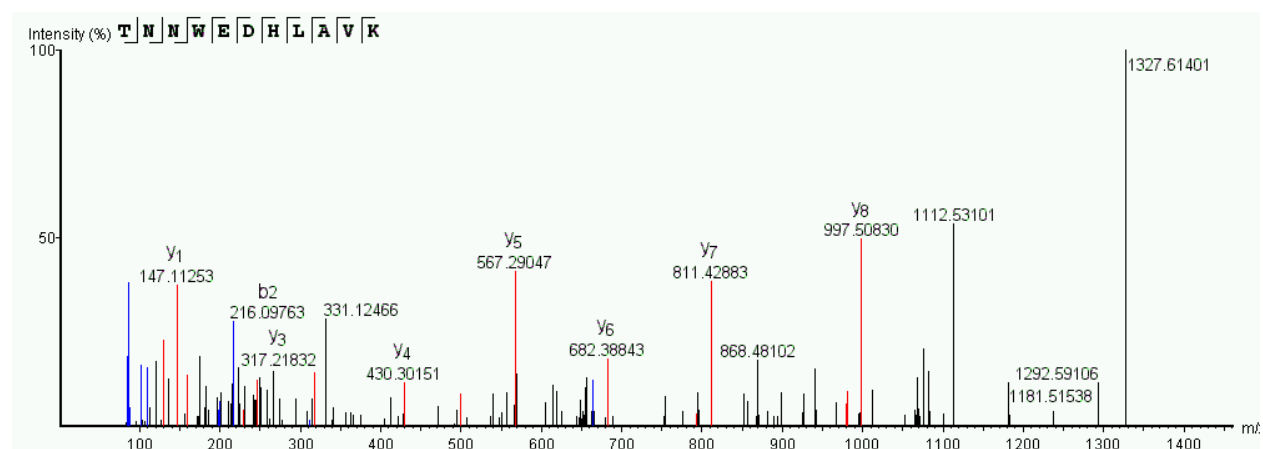
125. MS/MS at m/z 477.78574 (2+, RT=28.985)



Identified protein:

|A0A087WY96|SLC6A6_HUMAN Sodium- and chloride-dependent taurine transporter

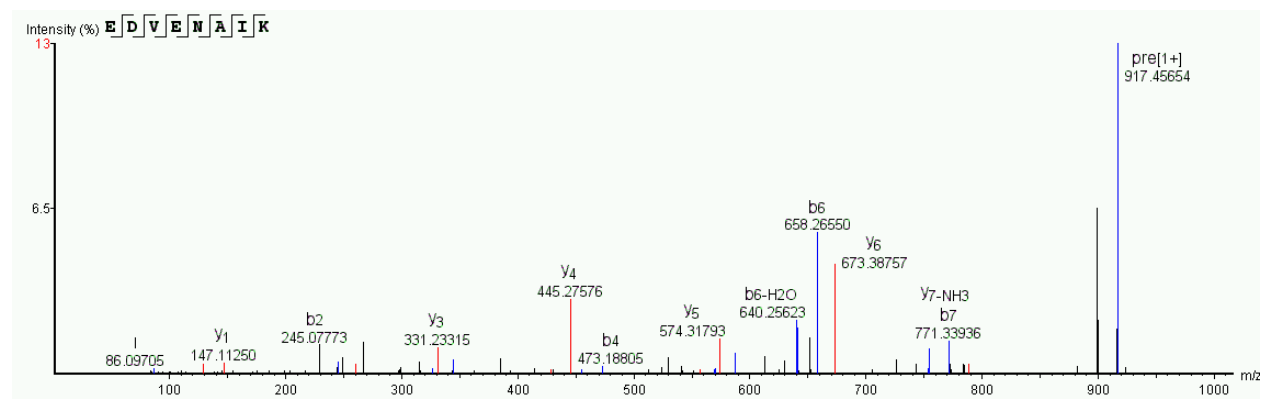
126. MS/MS at m/z 663.8171 (2+, RT=42.5453)



Identified protein:

|Q58FG0|HS905_HUMAN Putative heat shock protein HSP 90-alpha A5

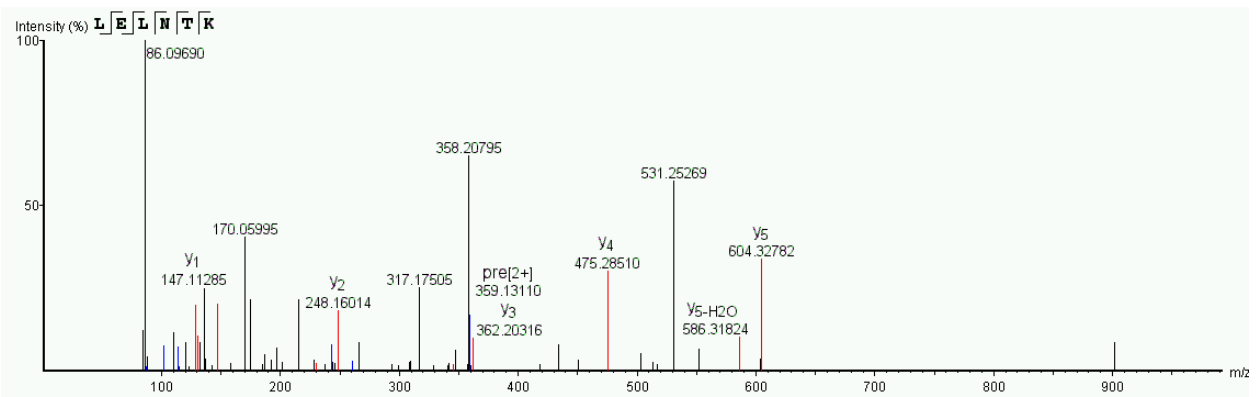
127. MS/MS at m/z 917.4543 (1+, RT=34.0985)



Identified protein:

|Q8NCM8|DYHC2_HUMAN Cytoplasmic dynein 2 heavy chain 1

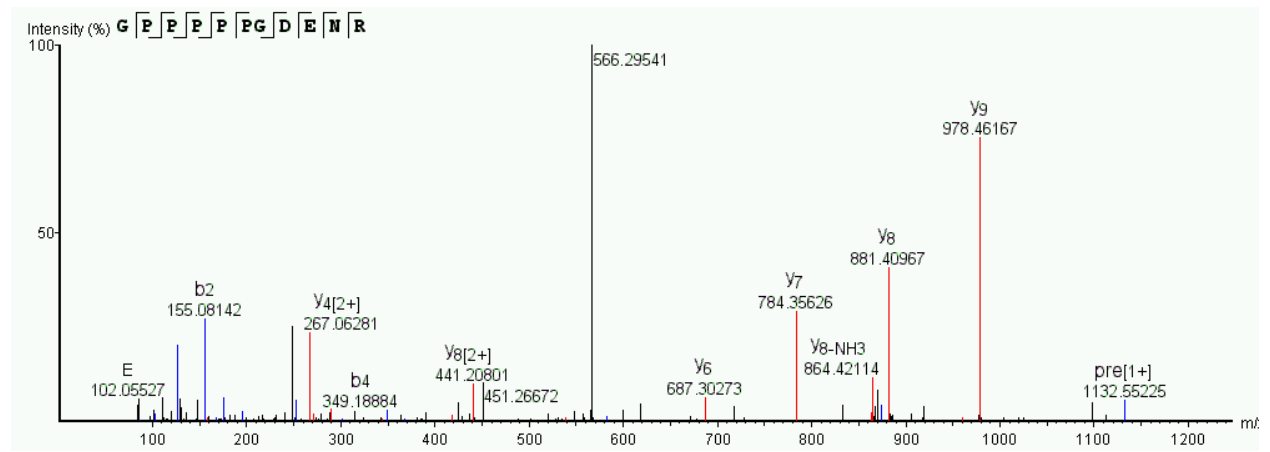
128. MS/MS at m/z 359.21036 (2+, RT=28.0345)



Identified protein:

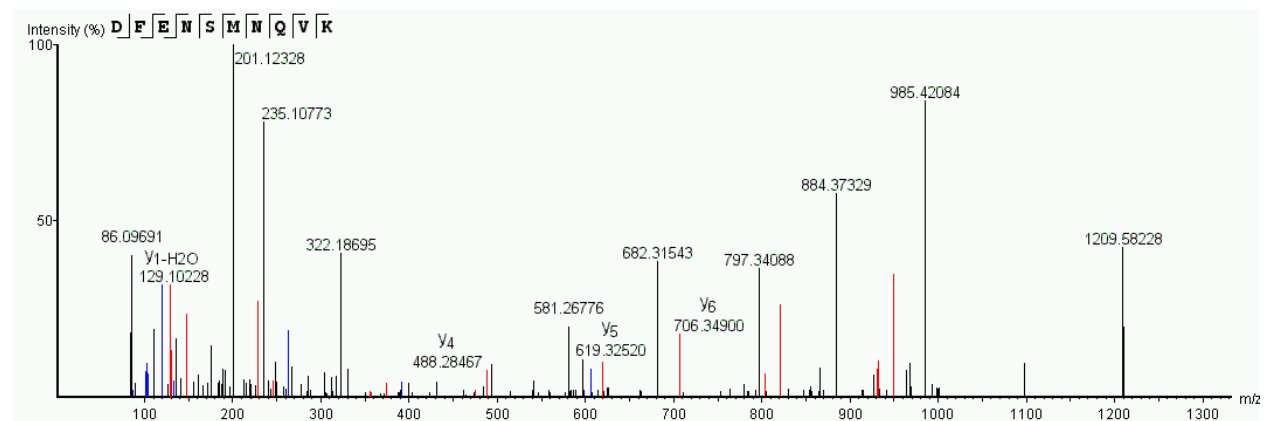
|Q9H1H9-4|KI13A_HUMAN Isoform 4 of Kinesin-like protein KIF13A

129. MS/MS at m/z 566.7747 (2+, RT=25.7783)



|A0A087WZZ5| SF3B2_HUMAN Splicing factor 3B subunit 2

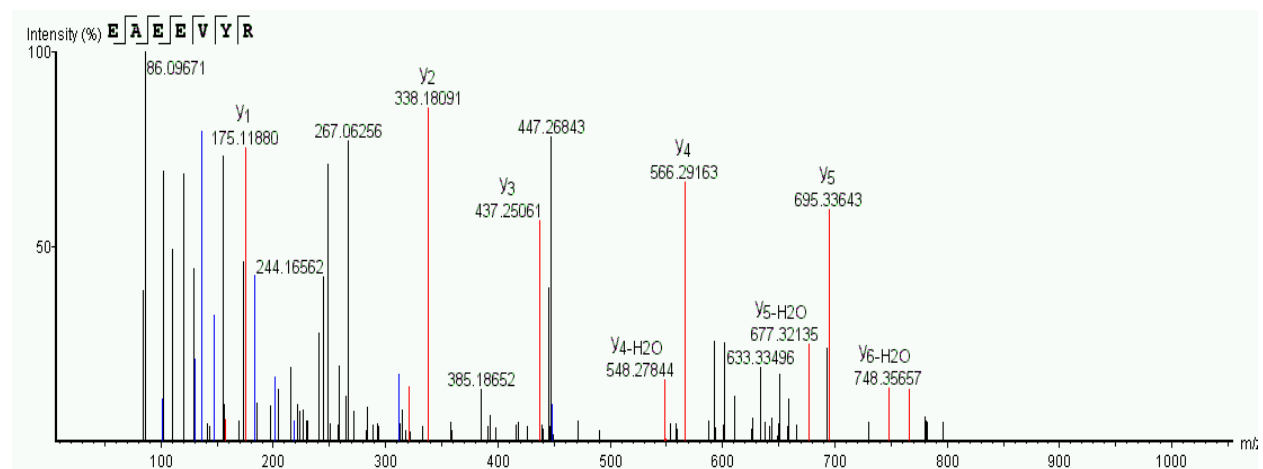
130. MS/MS at m/z 606.2714 (2+, RT=39.2401)



Identified protein:

| O75521-2 | ECI2_HUMAN Isoform 2 of Enoyl-CoA delta isomerase 2, mitochondrial, Coeluted with ...TSPTS

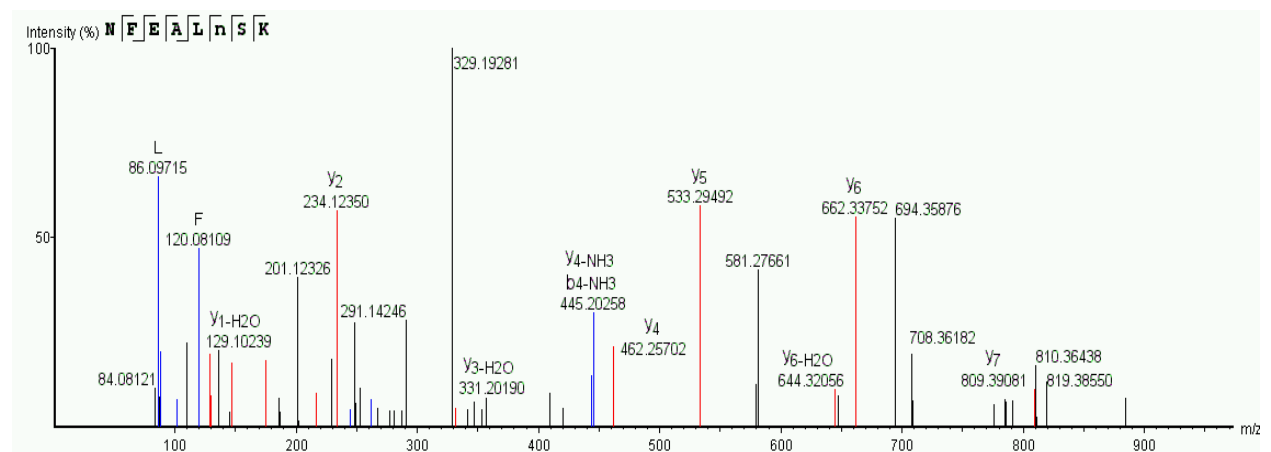
131. MS/MS at m/z 448.21167 (2+, RT=26.9957)



Identified protein:

|Q9Y383-3|LC7L2_HUMAN Isoform 3 of Putative RNA-binding protein Luc7-like 2

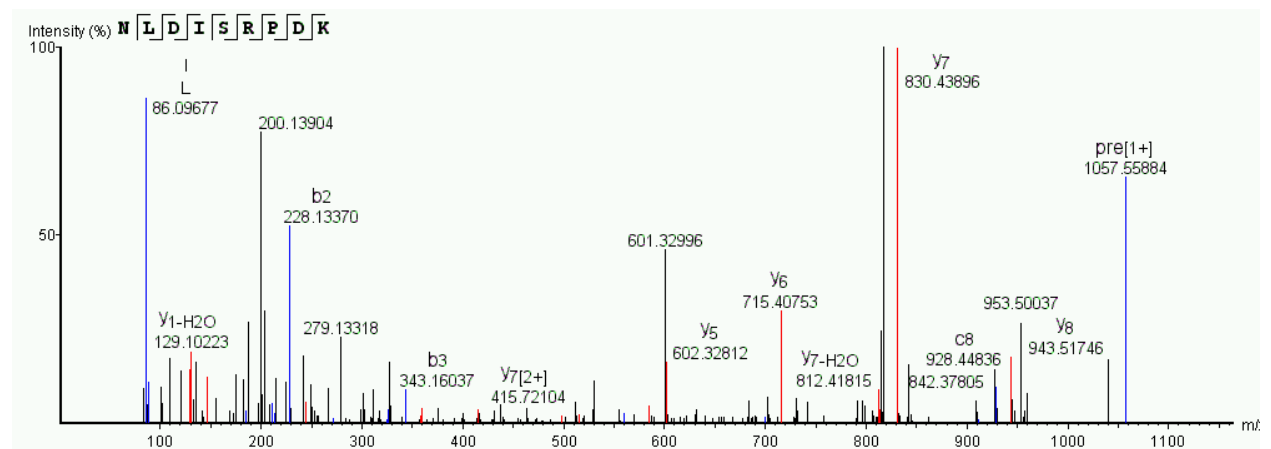
132. MS/MS at m/z 462.22717 (2+, RT=30.9703)



Identified protein:

|K7EMY3|K7EMY3_HUMAN Chromodomain-helicase-DNA-binding protein 5 (Fragment)

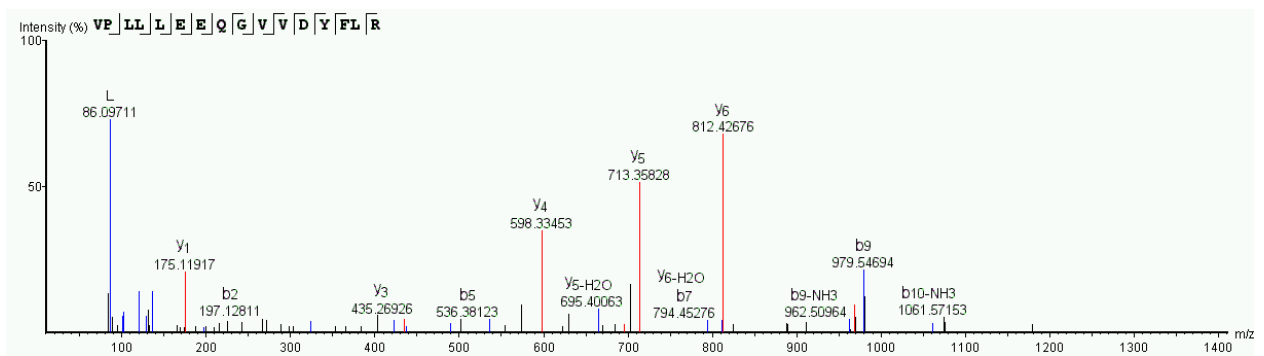
133. MS/MS at m/z 529.2849 (2+, RT=31.5796)



Identified protein:

|P46977|STT3A_HUMAN Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A

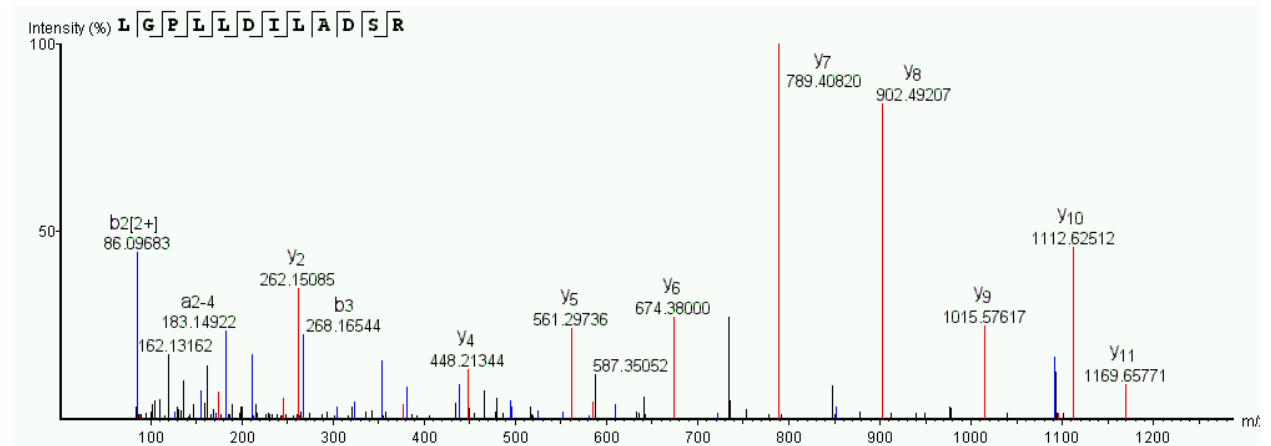
134. MS/MS at m/z 630.68335 (3+, RT=77.0922)



Identified protein:

|P17812|PYRG1_HUMAN CTP synthase 1 OS=Homo sapiens GN=CTPS1 PE=1 SV=2

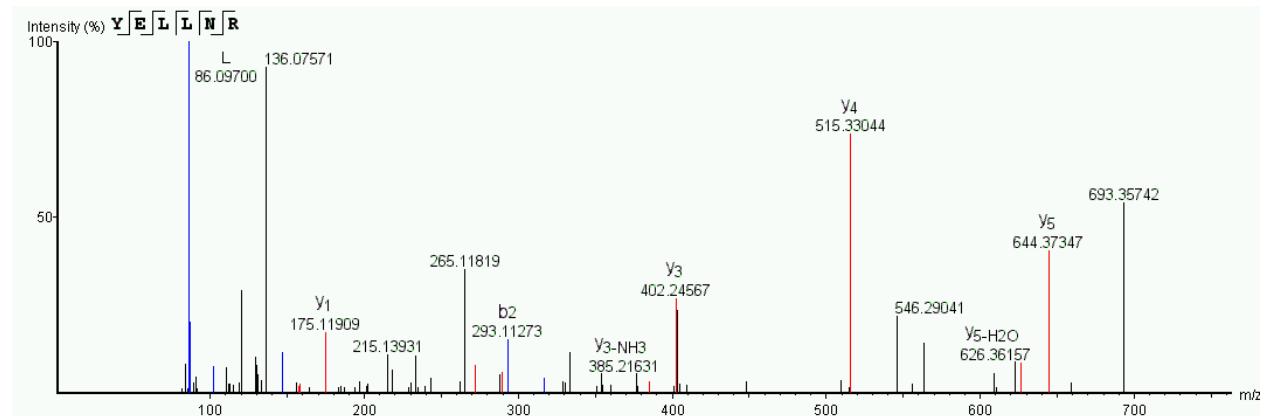
135. MS/MS at m/z 641.8717 (2+, RT=65.3544)



Identified protein

|Q13724-2|MOGS_HUMAN Isoform 2 of Mannosyl-oligosaccharide glucosidase

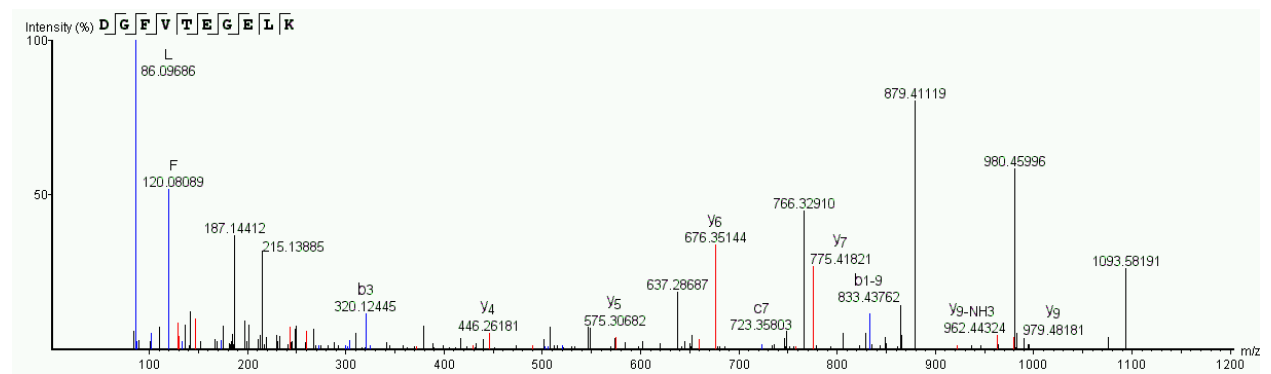
136. MS/MS at m/z 404.2234 (2+, RT=34.2401)



Identified protein:

|Q8NDI1|EHBP1_HUMAN EH domain-binding protein 1

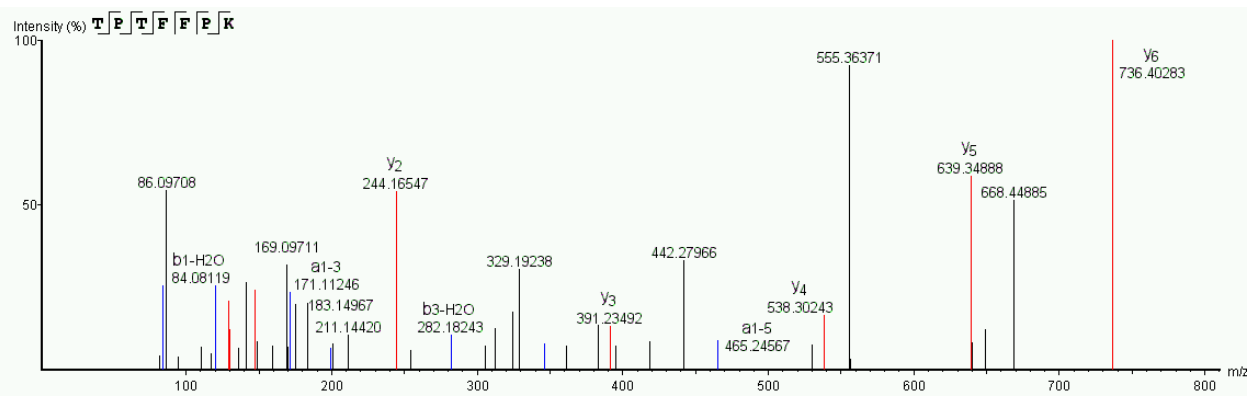
137. MS/MS at m/z 547.77576 (2+, RT=43.3279)



Identified protein:

|O43852-4|CALU_HUMAN Isoform 4 of Calumenin

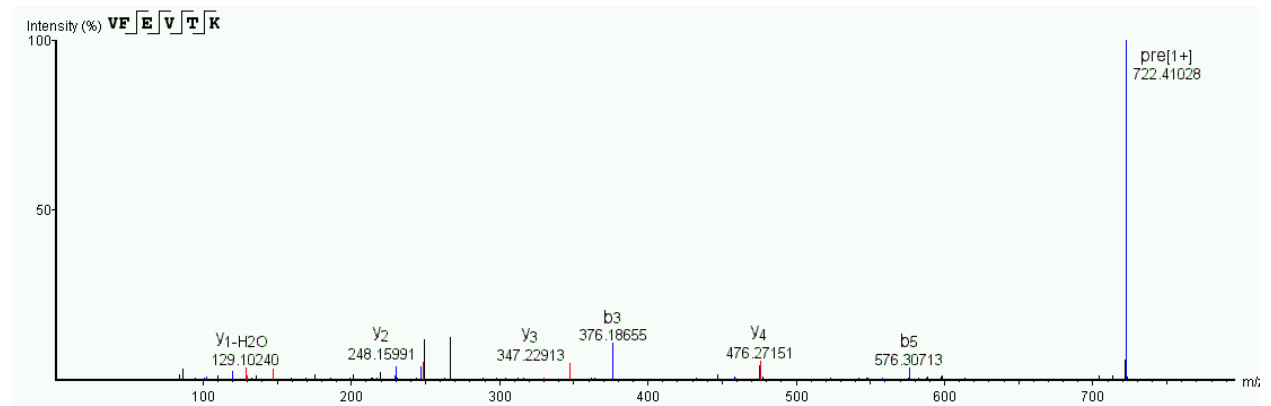
138. MS/MS at m/z 419.22928 (2+, RT=43.3127)



Identified protein:

|P10253|LYAG_HUMAN Lysosomal alpha-glucosidase OS=Homo sapiens GN=GAA PE=1 SV=4

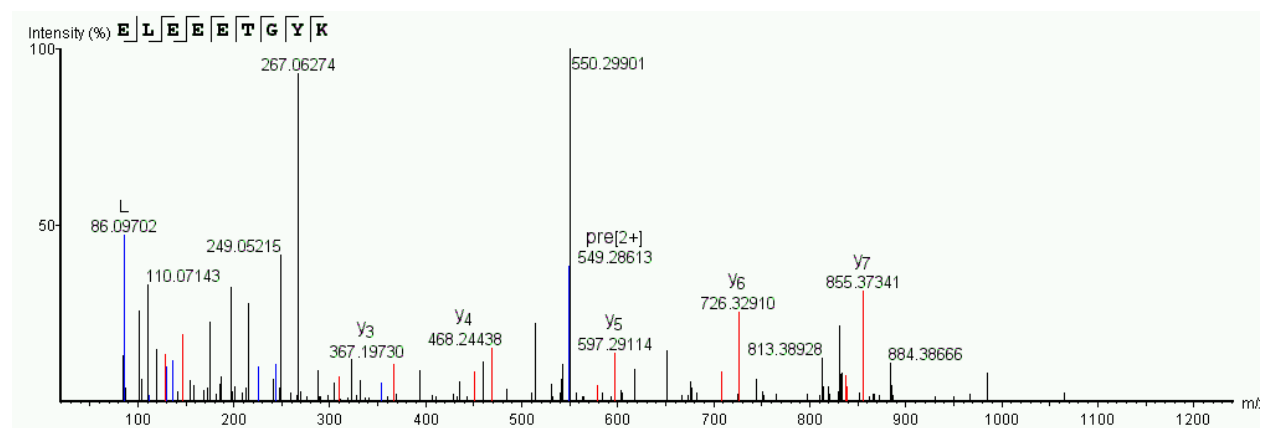
139. MS/MS at m/z 722.4059 (1+, RT=36.2319)



Identified protein:

|H7BZ41|H7BZ41_HUMAN Lipoygenase homology domain-containing protein 1

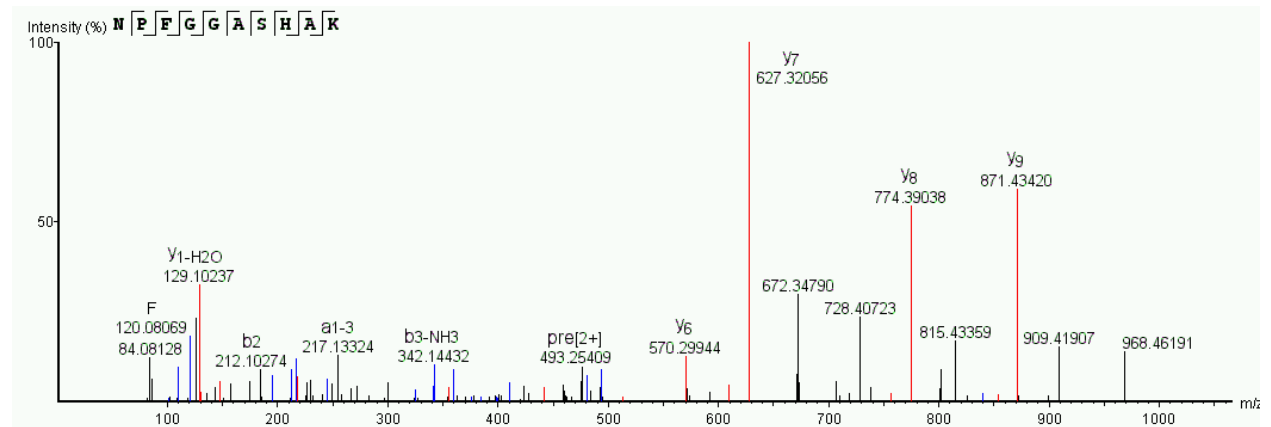
140. MS/MS at m/z 549.2452 (2+, RT=31.4659)



Identified protein:

|Q9UKK9|NUDT5_HUMAN ADP-sugar pyrophosphatase, Coeluted with ...TAH...

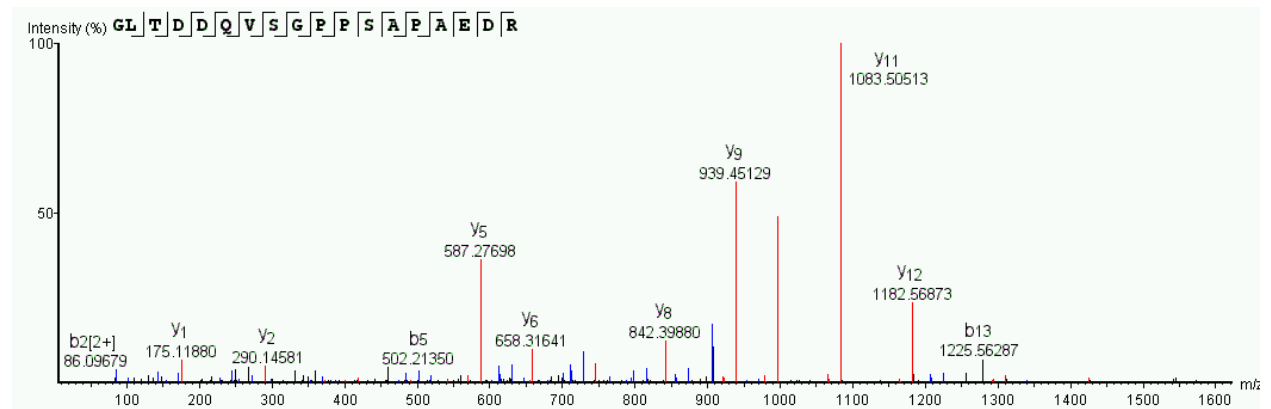
141. MS/MS at m/z 493.24493 (2+, RT=24.0456)



Identified protein:

|D6RD47|D6RD47_HUMAN 40S ribosomal protein S23

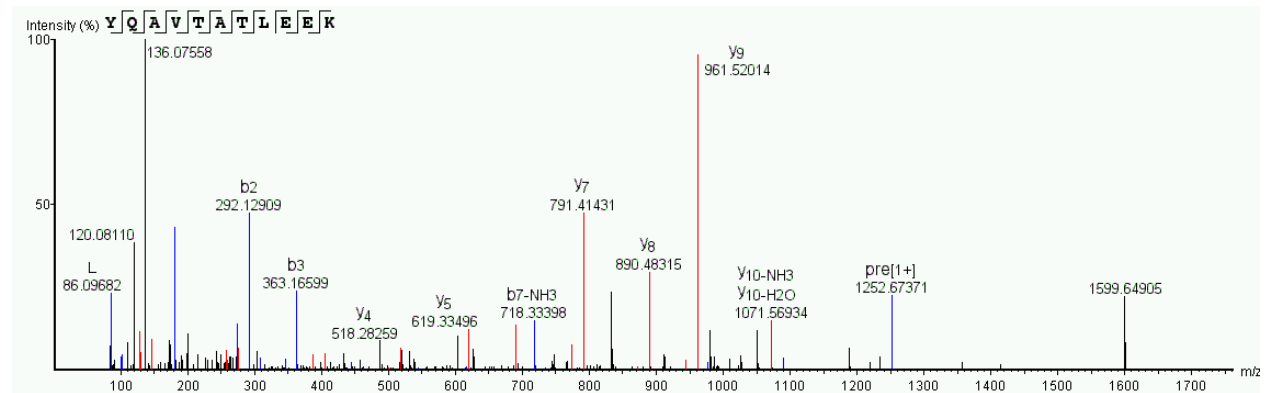
142. MS/MS at m/z 906.4226 (2+, RT=39.5284)



Identified protein:

|Q05BK6|Q05BK6_HUMAN Protein TFG

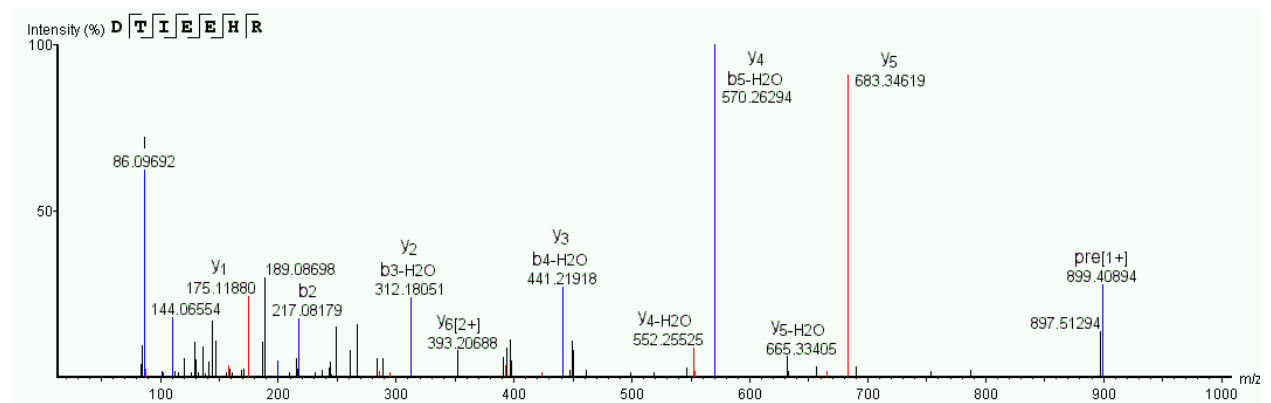
143. MS/MS at m/z 626.8198 (2+, RT=39.2341)



Identified protein:

|P40429|RL13A_HUMAN 60S ribosomal protein L13a

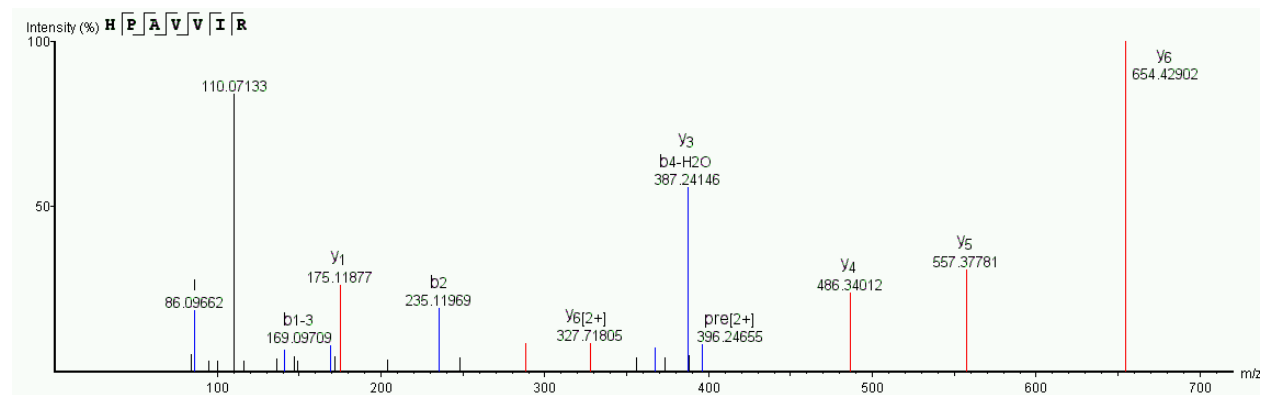
144. MS/MS at m/z 450.2126 (2+, RT=19.582)



Identified protein:

|P23381|SYWC_HUMAN Tryptophan--tRNA ligase, cytoplasmic

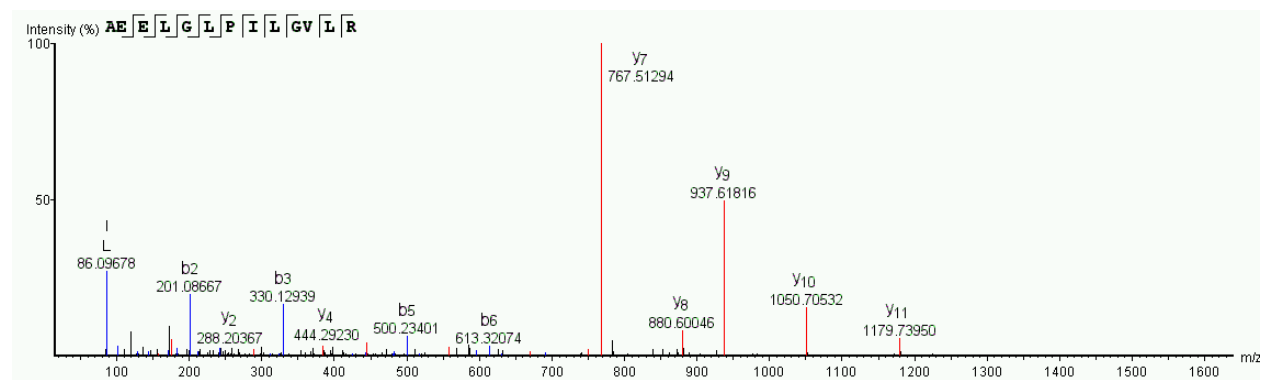
145. MS/MS at m/z 396.24738 (2+, RT=26.8922)



Identified protein:

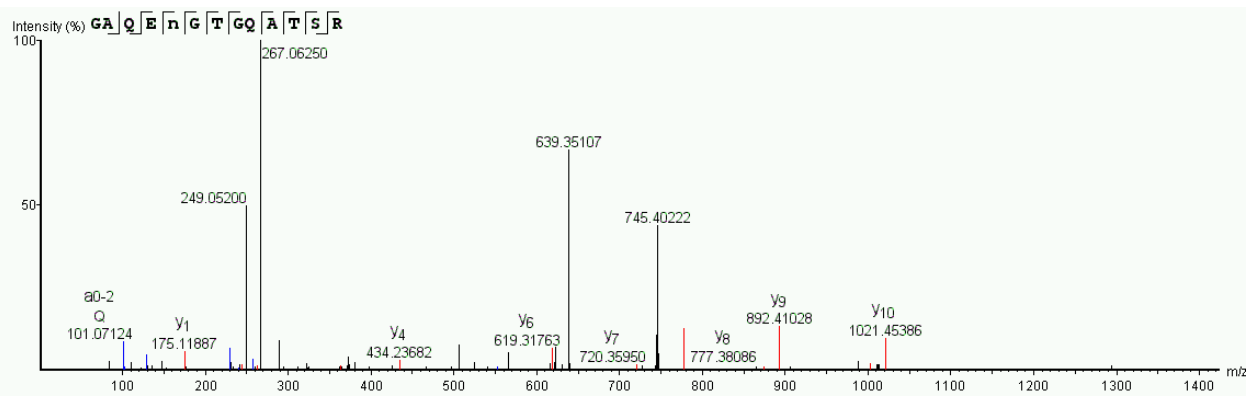
|P62829|RL23_HUMAN 60S ribosomal protein L23

146. MS/MS at m/z 690.4166 (2+, RT=69.4451)



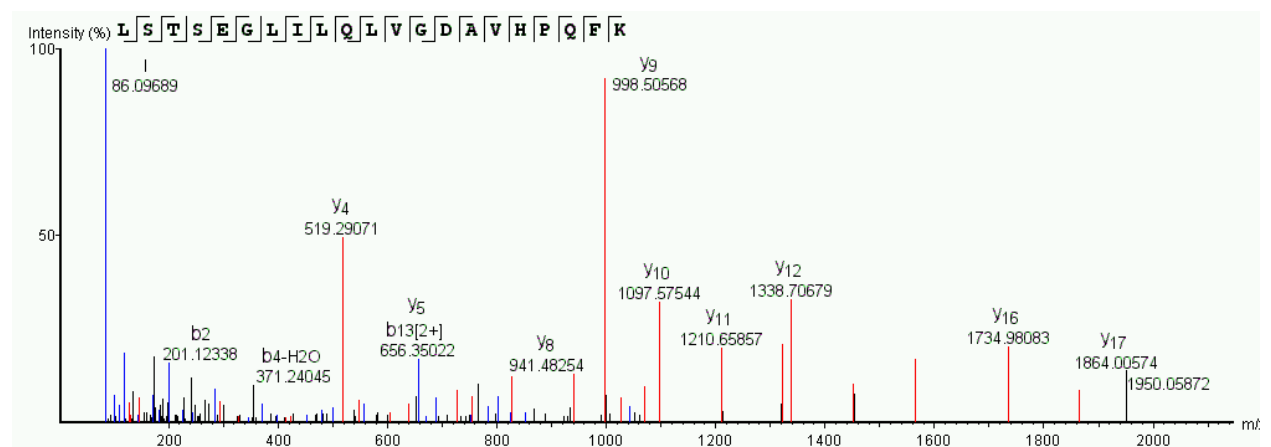
|C9JDE9|ACAA1_HUMAN 3-ketoacyl-CoA thiolase, peroxisomal

147. MS/MS at m/z 639.2889 (2+, RT=20.7064)



|Q5JTA5|CD34_HUMAN Hematopoietic progenitor cell antigen CD34

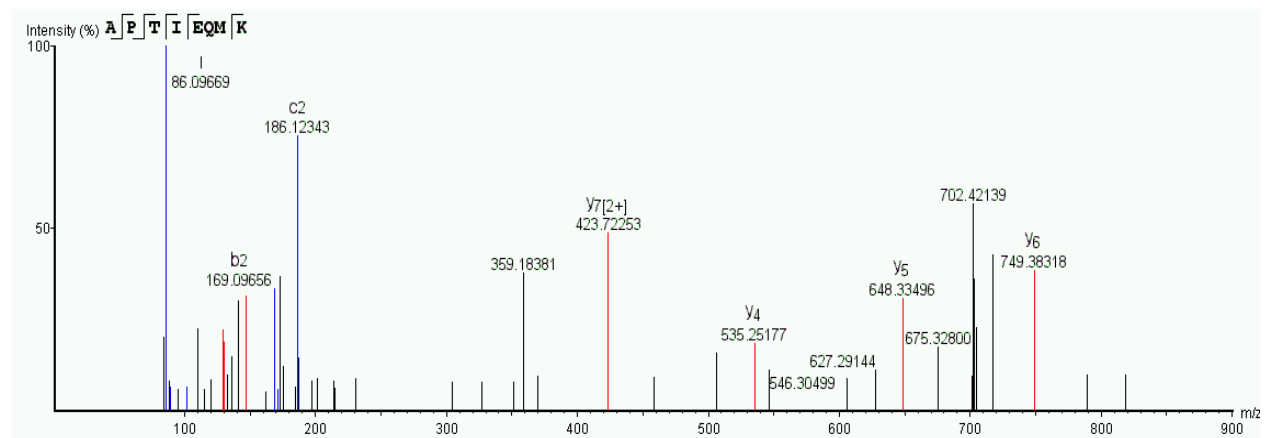
148. MS/MS at m/z 751.41785 (3+, RT=76.0783)



Identified protein:

|K7EKW4|ISOC2_HUMAN Isochorismatase domain-containing protein 2, mitochondrial (Fragment)

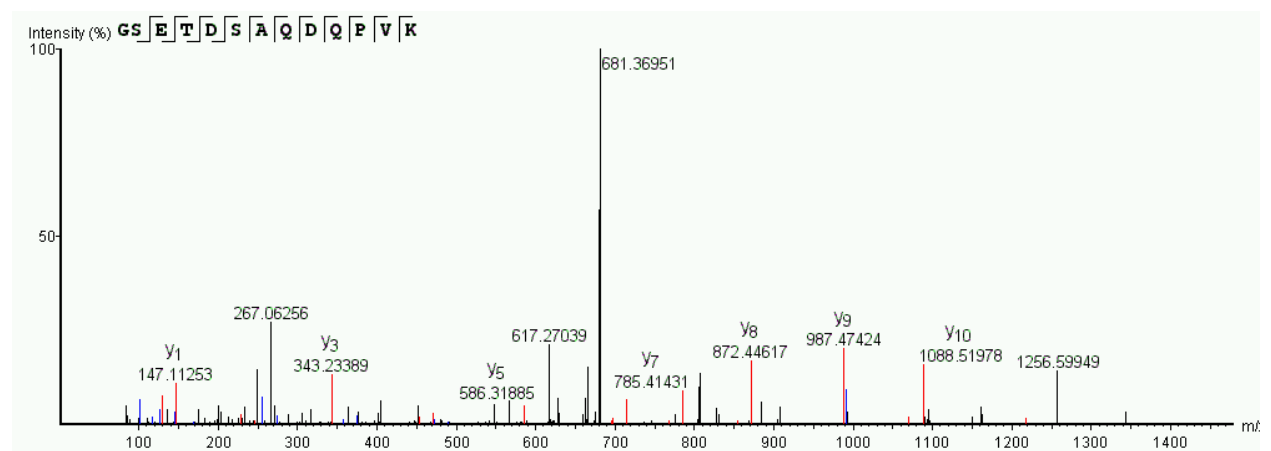
149. MS/MS at m/z 459.2442 (2+, RT=33.3413)



Identified protein

|P28482-2|MK01_HUMAN Isoform 2 of Mitogen-activated protein kinase 1

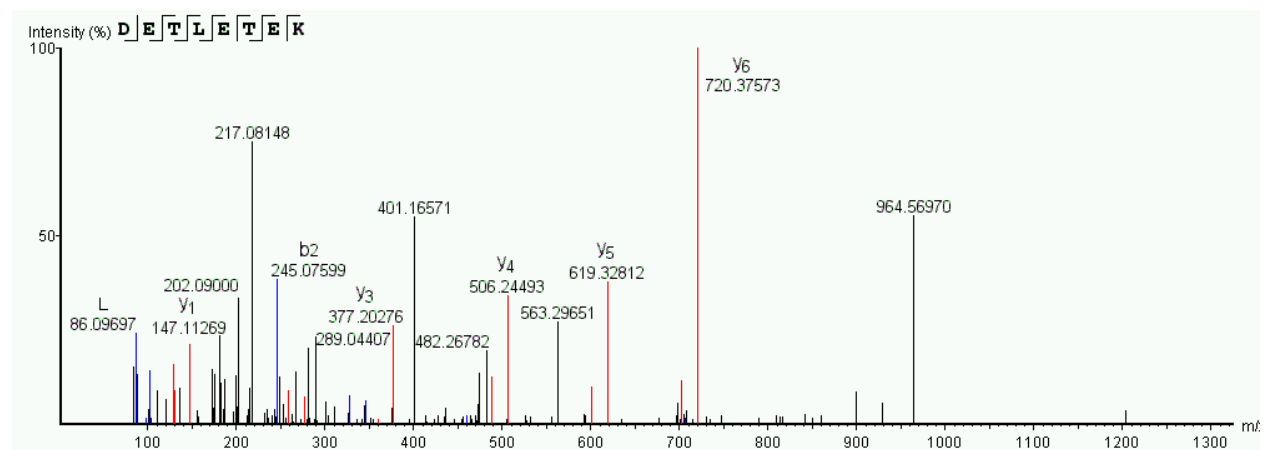
150. MS/MS at m/z 681.3111 (2+, RT=25.0422)



Identified protein:

|P30419|NMT1_HUMAN Glycylpeptide N-tetradecanoyltransferase 1

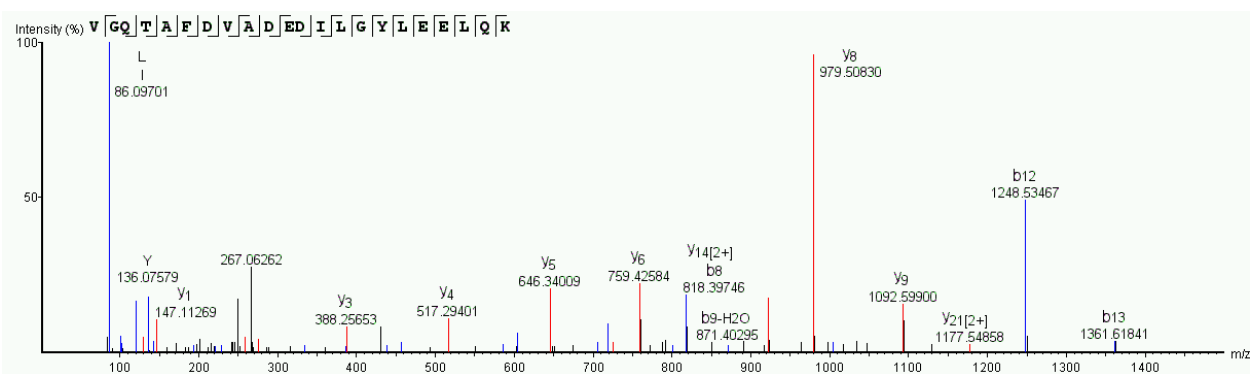
151. MS/MS at m/z 482.72775 (2+, RT=25.9349)



Identified protein:

|P61163|ACTZ_HUMAN Alpha-centractin

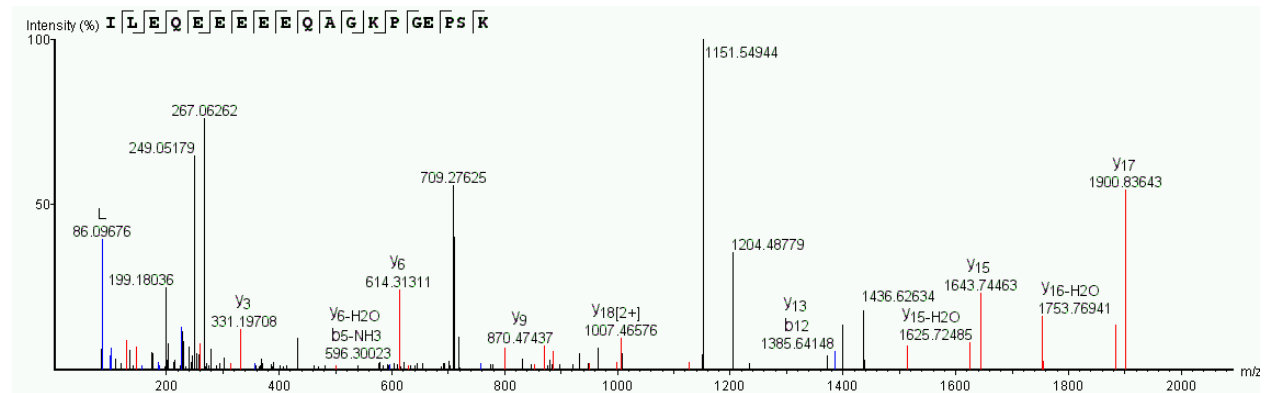
152. MS/MS at m/z 818.4074 (3+, RT=80.6454)



Identified protein:

|O14974-5|MYPT1_HUMAN Isoform 5 of Protein phosphatase 1 regulatory subunit 12A

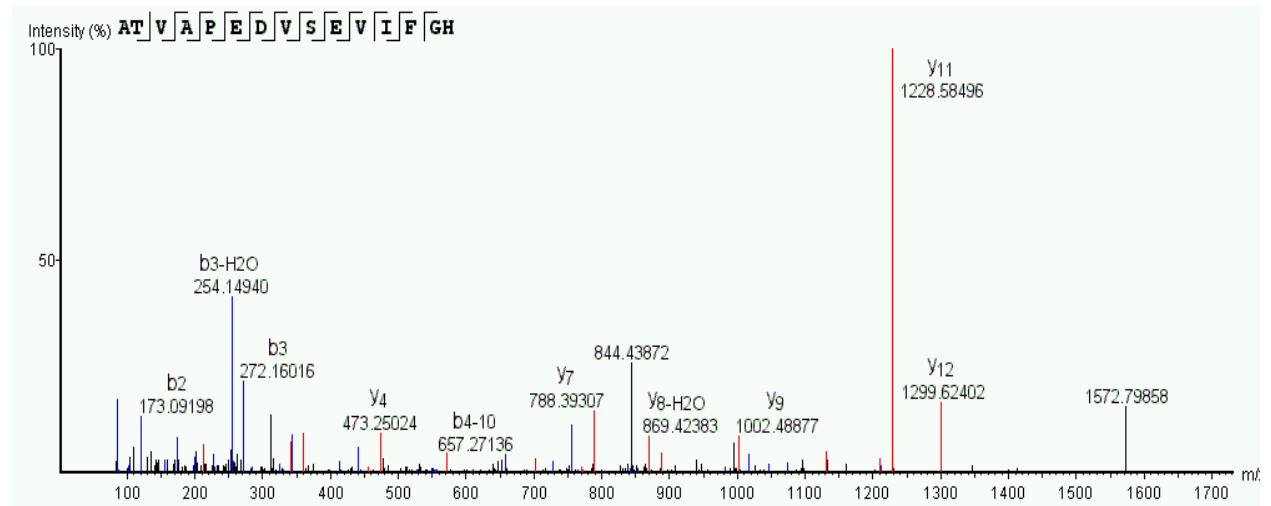
153. MS/MS at m/z 709.675 (3+, RT=35.3544)



Identified protein:

|Q9BXP5-4|SRRT_HUMAN Isoform 4 of Serrate RNA effector molecule homolog

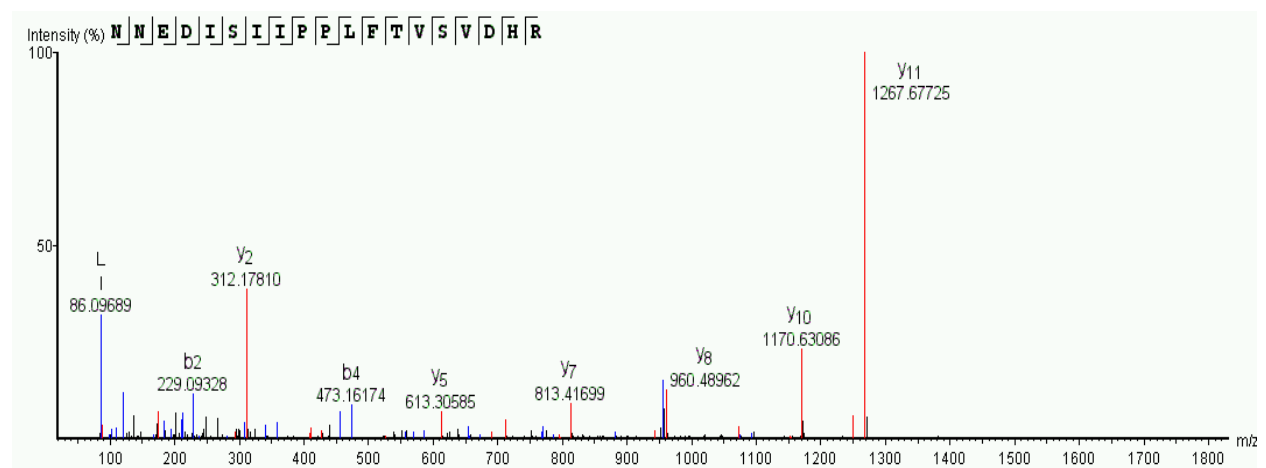
154. MS/MS at m/z 785.88654 (2+, RT=61.0888)



Identified protein

|Q9BWD1|ACAT2_HUMAN Acetyl-CoA acetyltransferase, cytosolic

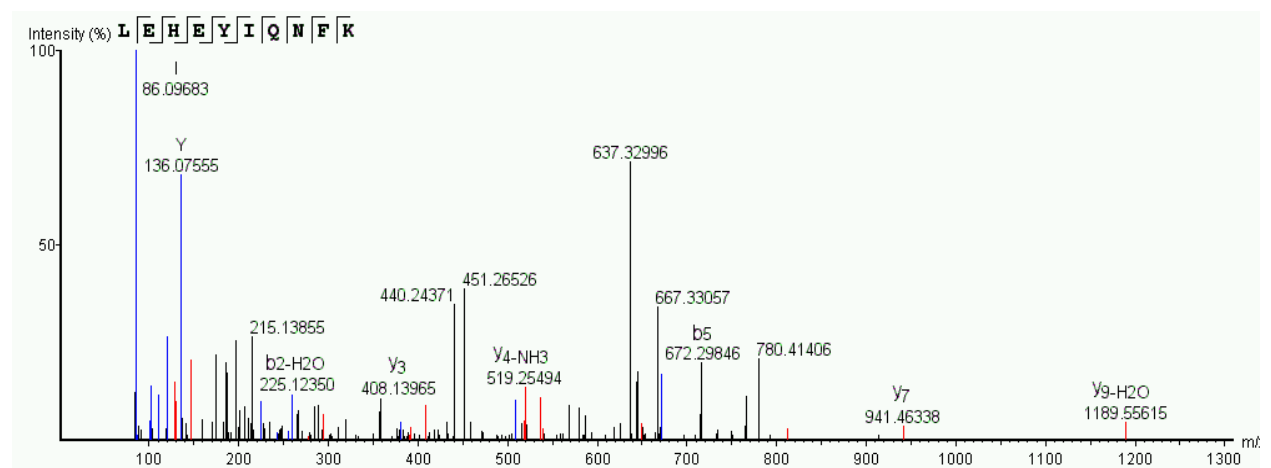
155. MS/MS at m/z 722.7109 (3+, RT=65.9306)



Identified protein:

|P51571|SSRD_HUMAN Translocon-associated protein subunit delta

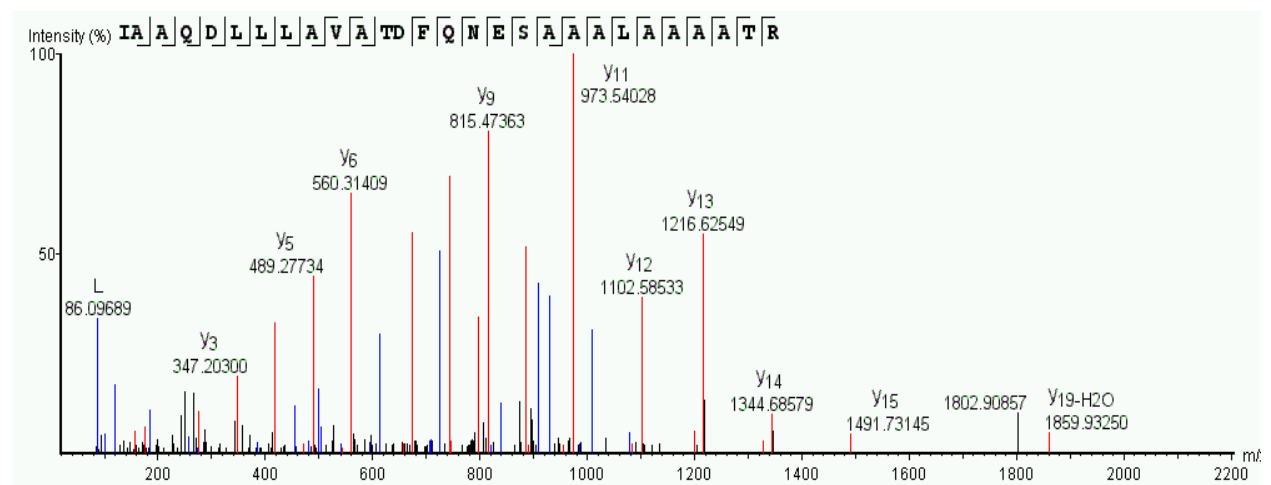
156. MS/MS at m/z 440.89044 (3+, RT=39.2912)



Identified protein:

|Q15691|MARE1_HUMAN Microtubule-associated protein RP/EB family member 1

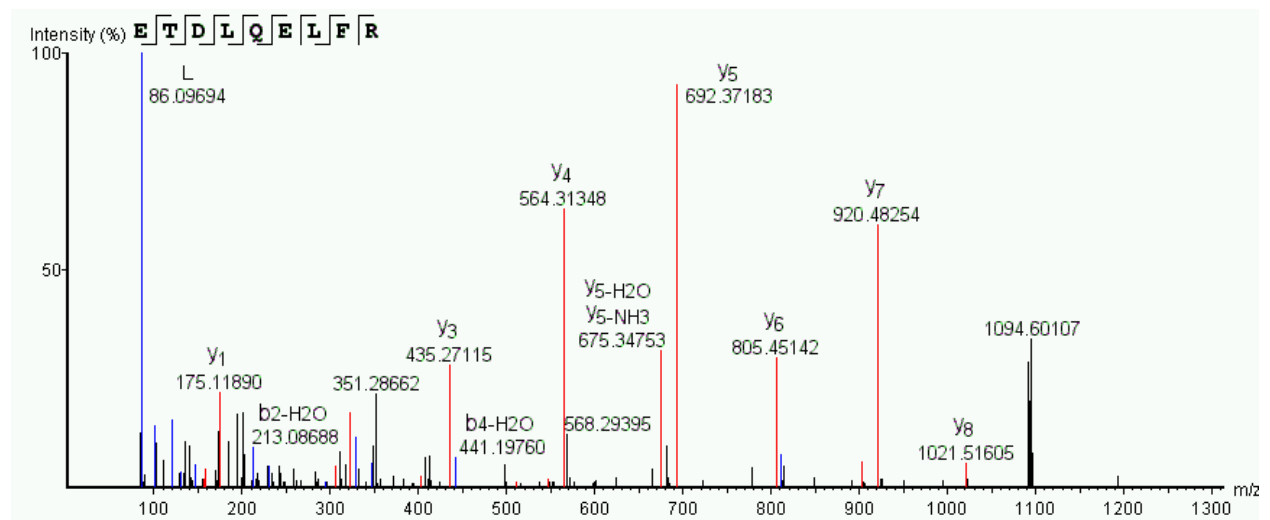
157. MS/MS at m/z 929.4906 (3+, RT=87.5262)



Identified protein:

|Q96P70|IPO9_HUMAN Importin-9

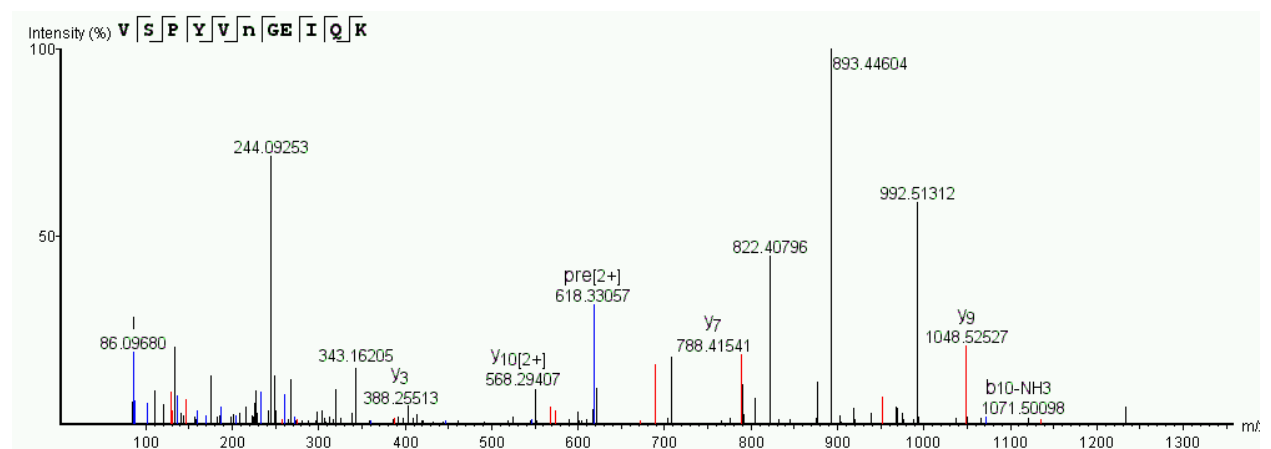
158. MS/MS at m/z 575.79297 (2+, RT=56.0663)



Identified protein:

|K7ER90|K7ER90_HUMAN Eukaryotic translation initiation factor 3 subunit G (Fragment)

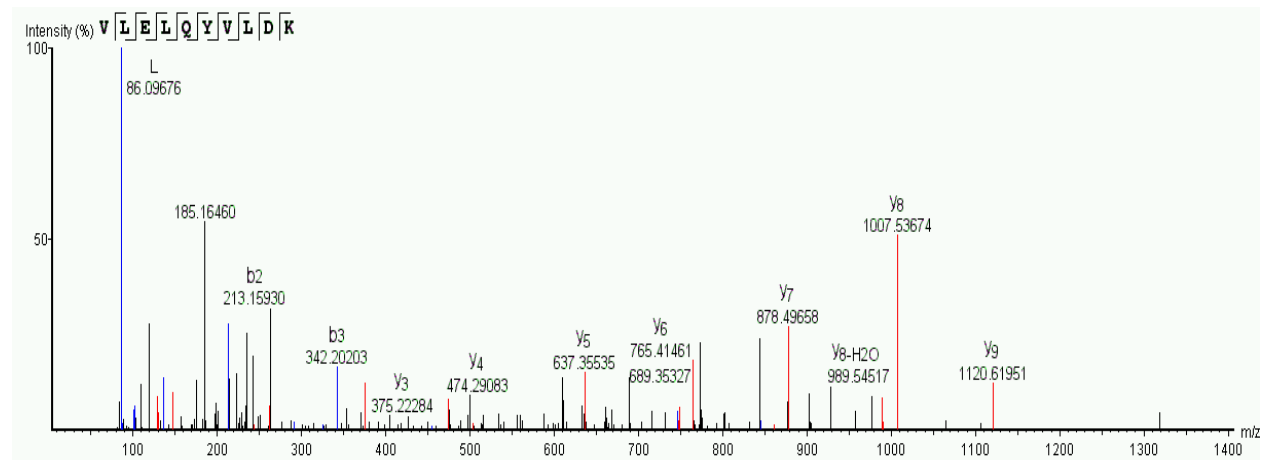
159. MS/MS at m/z 617.81995 (2+, RT=37.0374)



Identified protein:

|P80217|IN35_HUMAN Interferon-induced 35 kDa protein, Coeluted with ...VANSA...

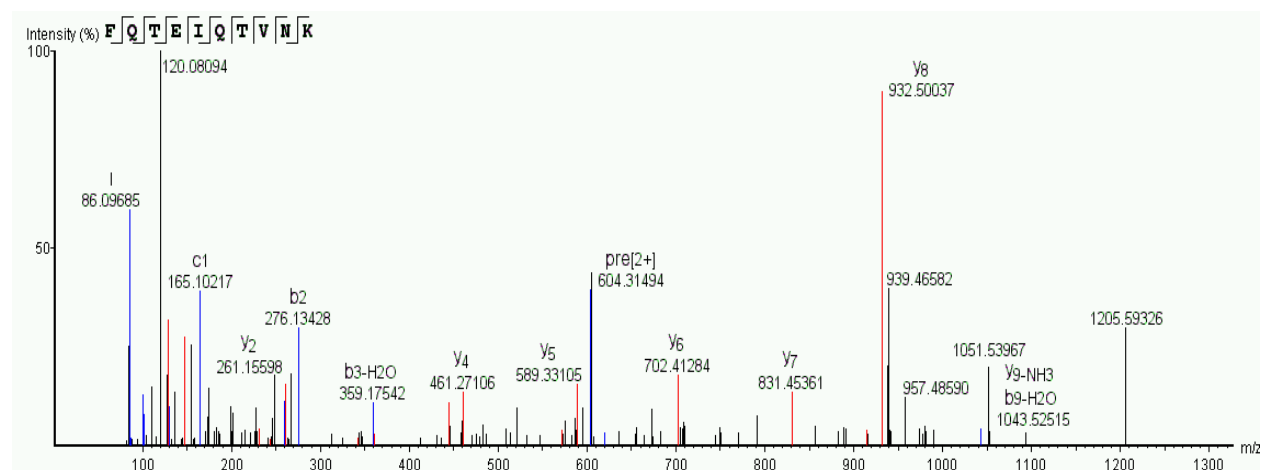
160. MS/MS at m/z 610.3462 (2+, RT=57.1853)



Identified protein:

|G3V153|G3V153_HUMAN Caprin-1

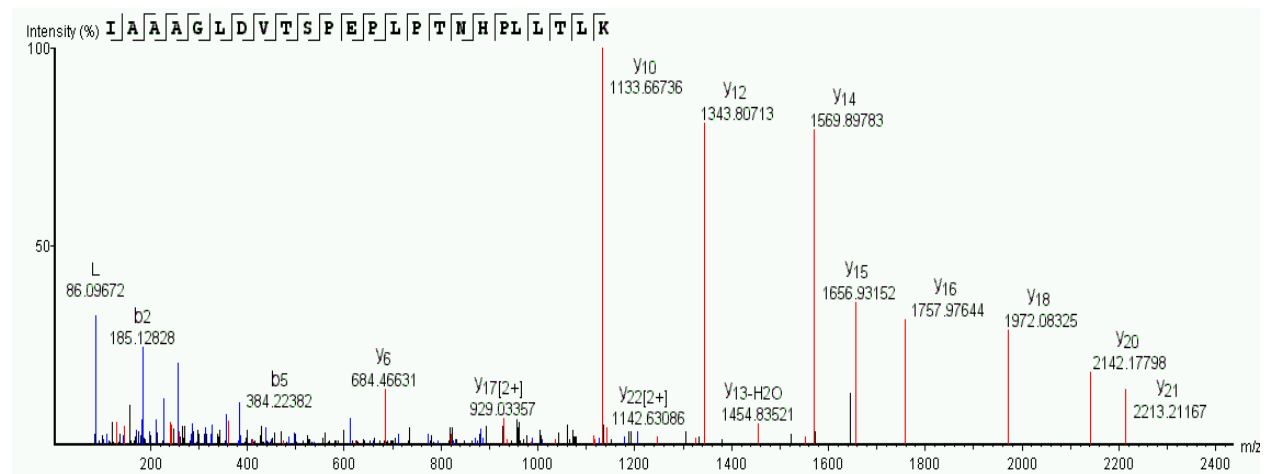
161. MS/MS at m/z 604.3223 (2+, RT=37.0089)



Identified protein:

|P14868-2|SYDC_HUMAN Isoform 2 of Aspartate--tRNA ligase, cytoplasmic

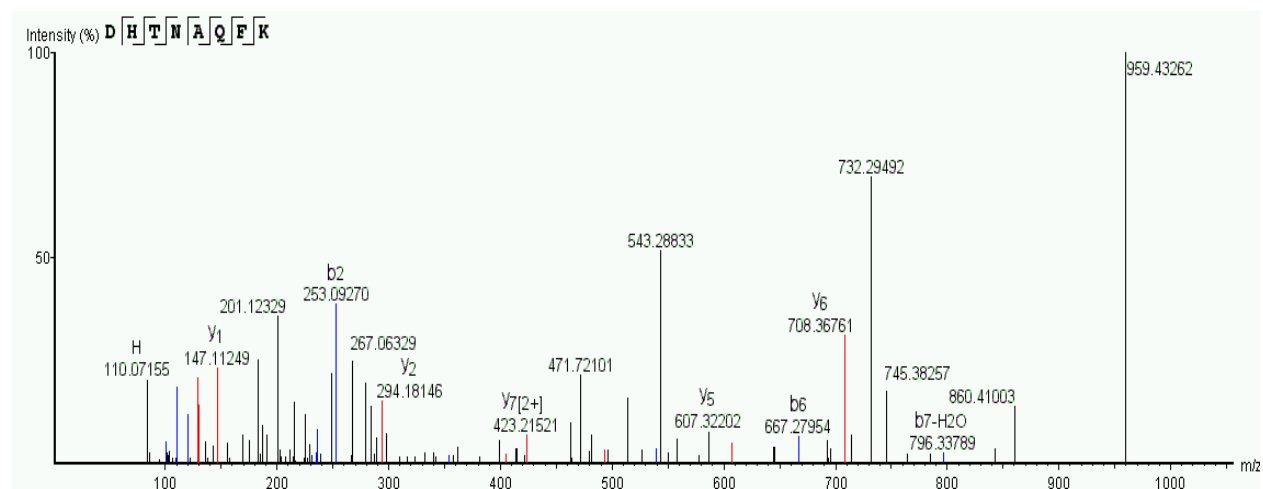
162. MS/MS at m/z 823.45874 (3+, RT=57.6043)



Identified protein:

|Q9UBQ7|GRHPR_HUMAN Glyoxylate reductase/hydroxypyruvate reductase

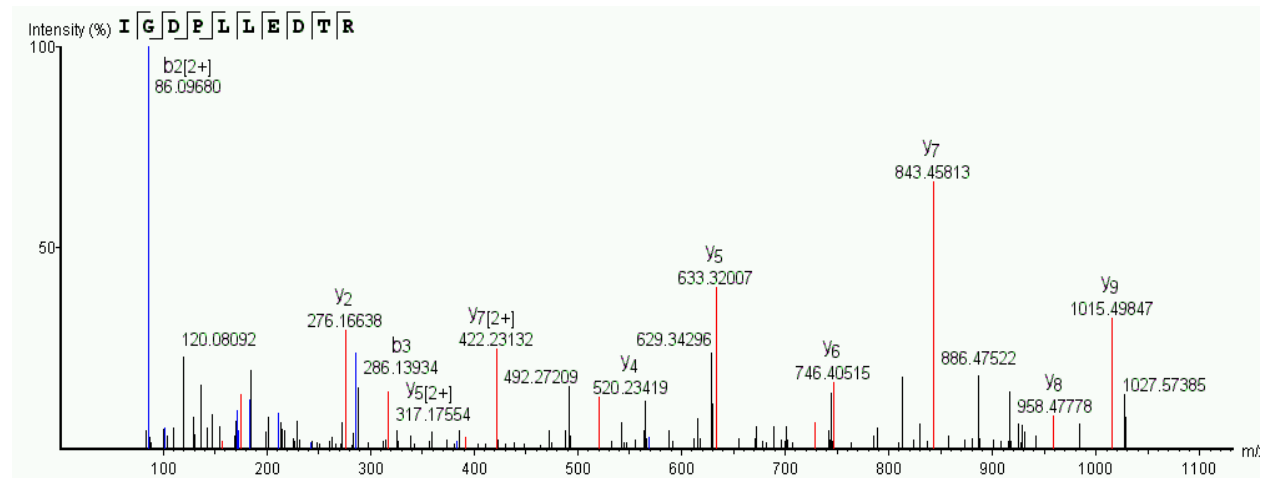
163. MS/MS at m/z 480.73245 (2+, RT=18.8177)



Identified protein:

|O75489|NDUS3_HUMAN NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial

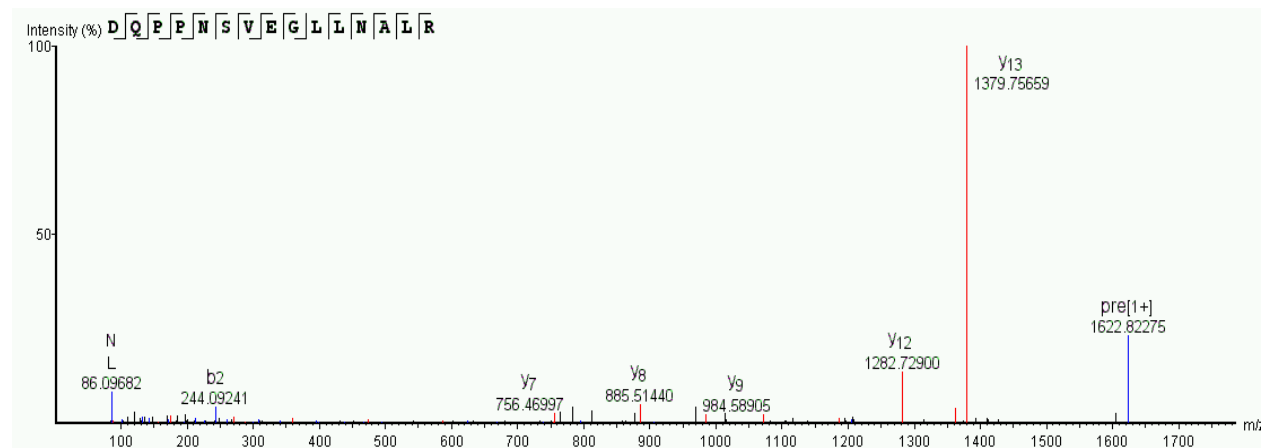
164. MS/MS at m/z 564.80133 (2+, RT=45.0195)



Identified protein:

|P49189|AL9A1_HUMAN 4-trimethylaminobutylaldehyde

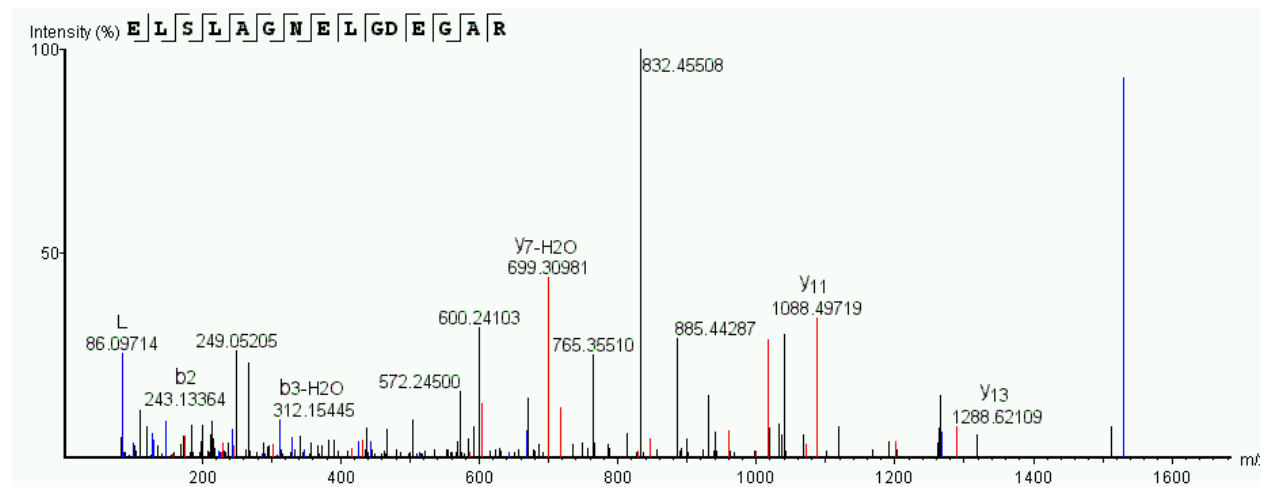
165. MS/MS at m/z 811.91925 (2+, RT=67.5059)



Identified protein:

|Q9NUQ9|FA49B_HUMAN Protein FAM49B

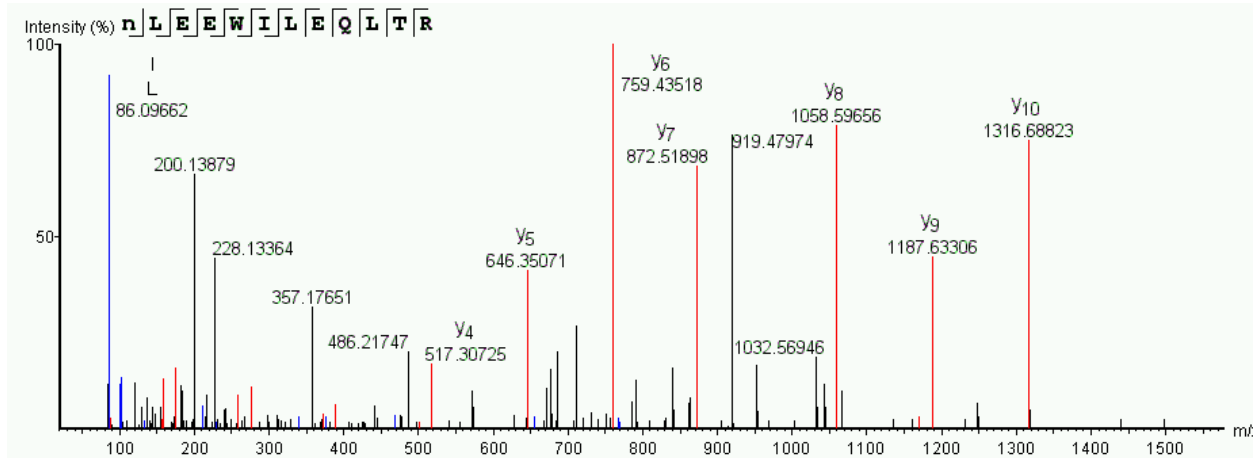
166. MS/MS at m/z 765.8766 (RT=45.8876)



Identified protein:

[P13489] RINI_HUMAN Ribonuclease inhibitor

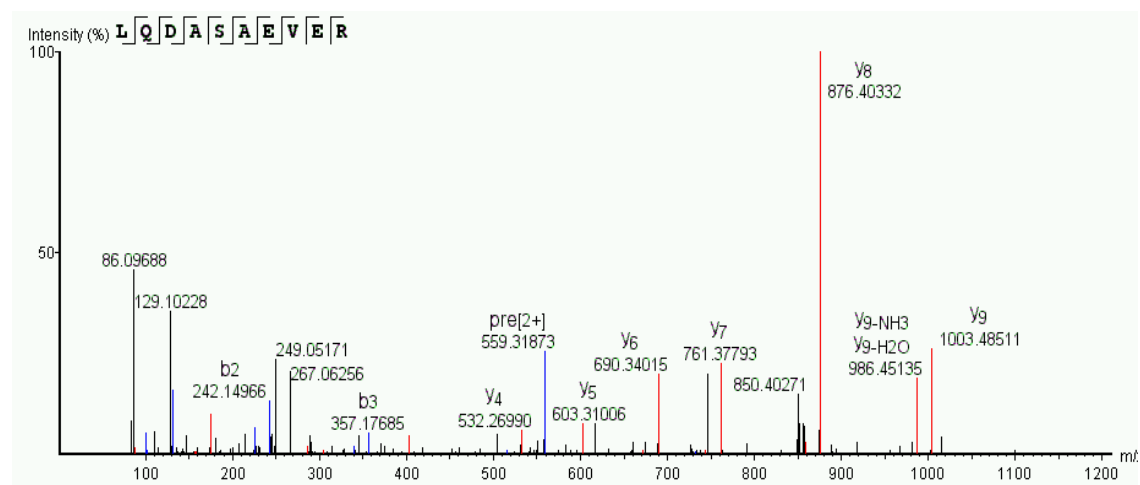
167. MS/MS at m/z 772.90607 (2+, RT=79.7065)



Identified protein:

|B5MC51|LIMK2_HUMAN LIM domain kinase 2

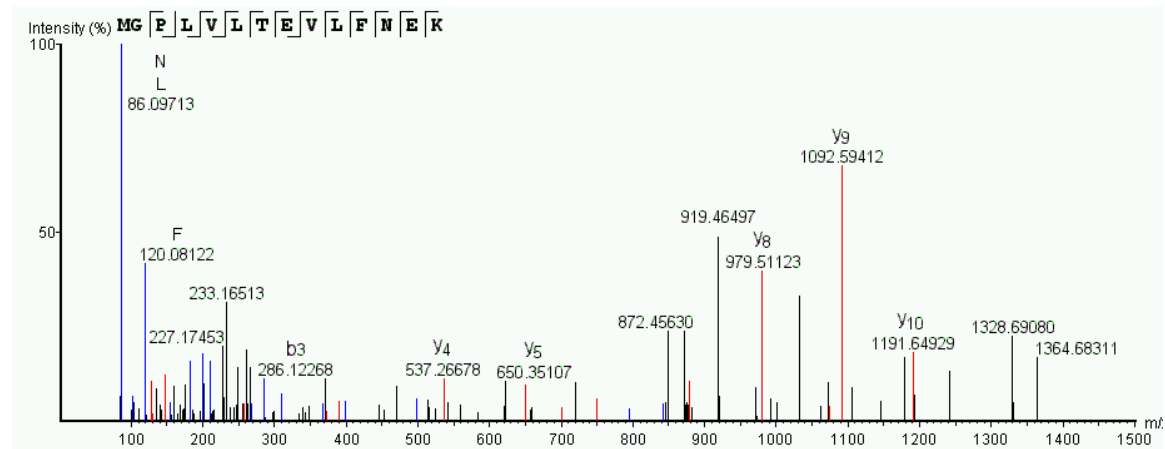
168. MS/MS at m/z 559.2753 (2+, RT=30.0212)



Identified protein:

|Q10589-2|BST2_HUMAN Isoform 2 of Bone marrow stromal antigen 2

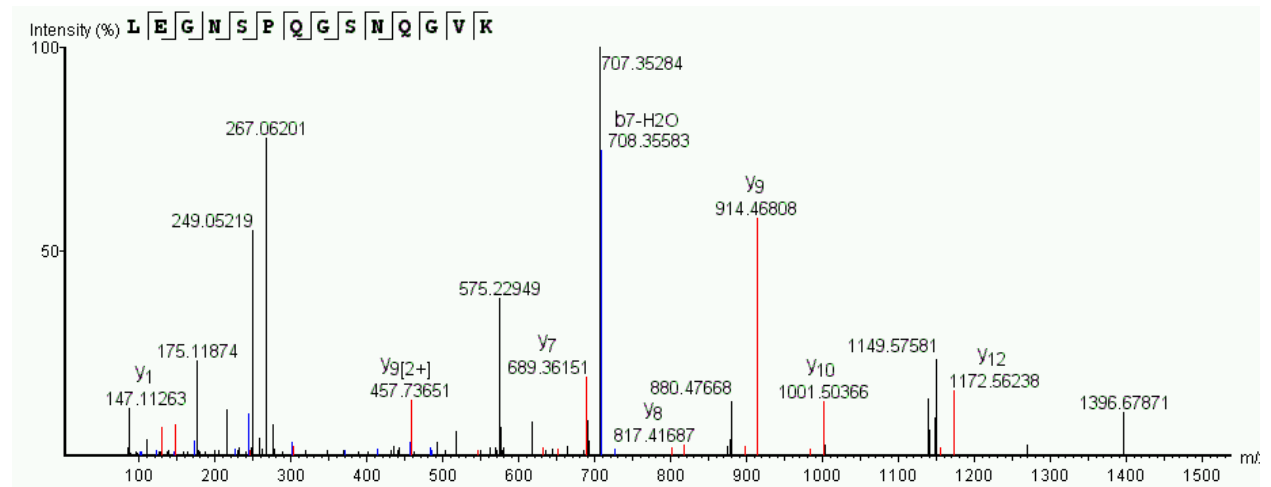
169. MS/MS at m/z 795.4314 (2+, RT=71.4976)



Identified protein:

|P55010|IF5_HUMAN Eukaryotic translation initiation factor 5

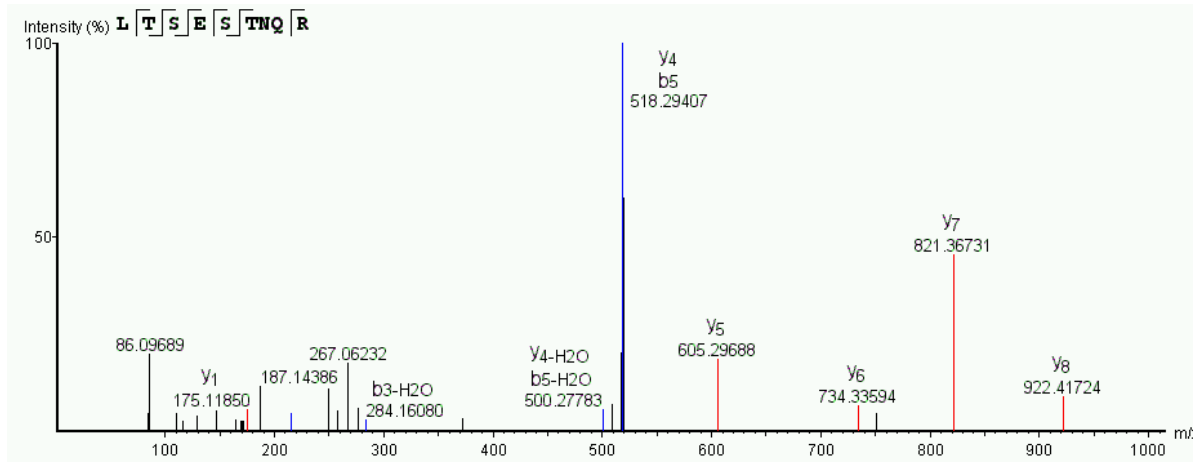
170. MS/MS at m/z 707.8507 (2+, RT=25.1612)



Identified protein:

|P61006|RAB8A_HUMAN Ras-related protein Rab-8A

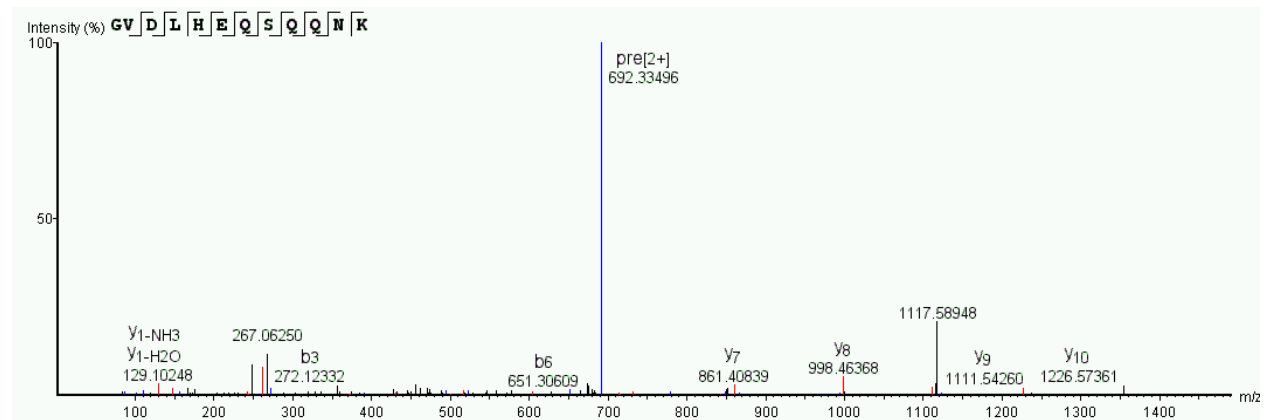
171. MS/MS at m/z 518.2573 (2+, RT=19.9096)



Identified protein

|Q7Z7H5|TMED4_HUMAN Transmembrane emp24 domain-containing protein 4

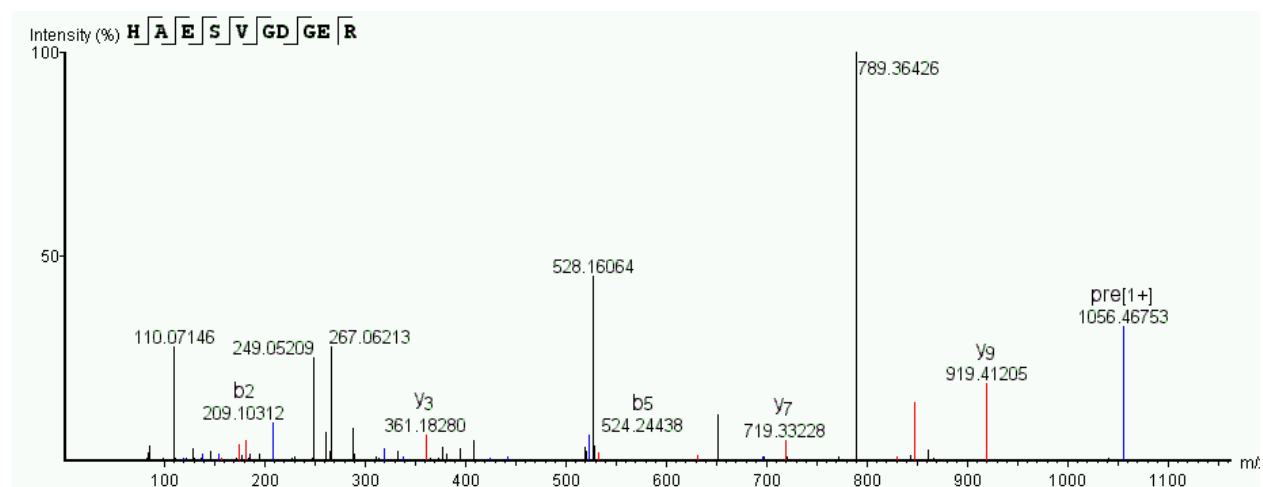
172. MS/MS at m/z 691.8347 (2+, RT=25.1106)



Identified protein:

|P61020|RAB5B_HUMAN Ras-related protein Rab-5B

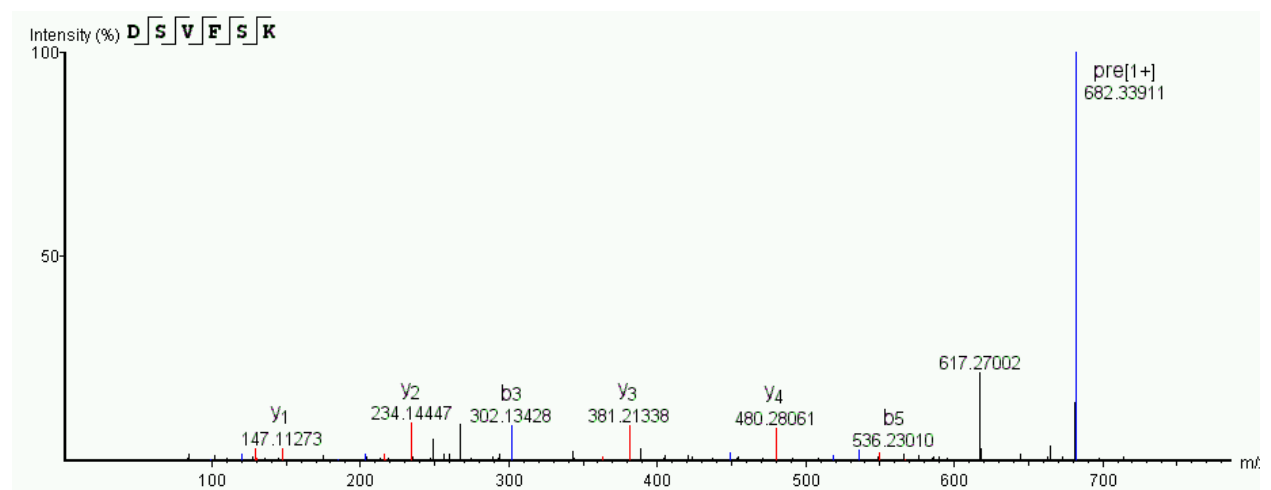
173. MS/MS at m/z 528.7375 (2+, RT=16.8035)



Identified protein:

|P30533|AMRP_HUMAN Alpha-2-macroglobulin receptor-associated protein

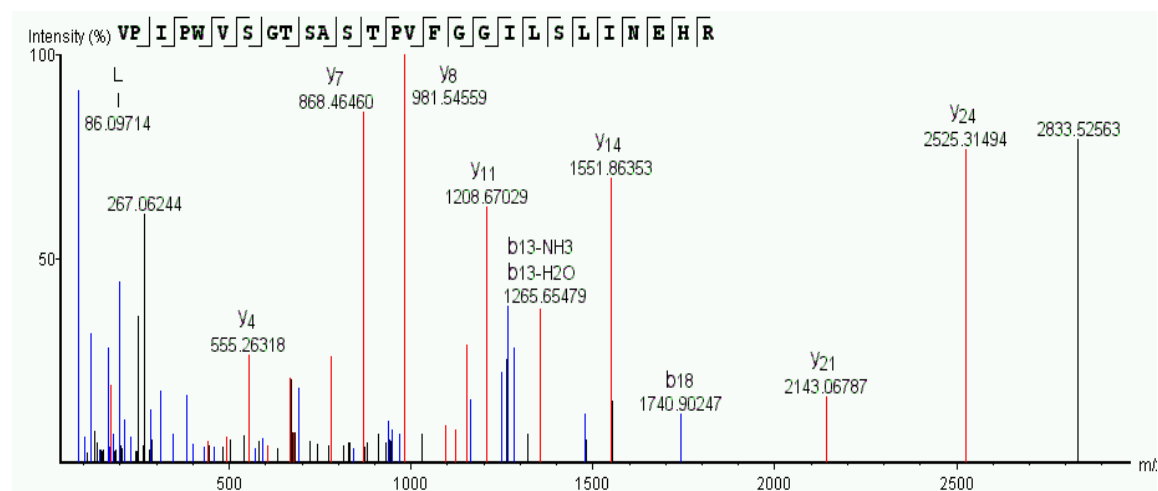
174. MS/MS at m/z 682.3391 (1+, RT=24.9628)



Identified protein:

|O60330-2|PCDGC_HUMAN Isoform 2 of Protocadherin gamma-A12

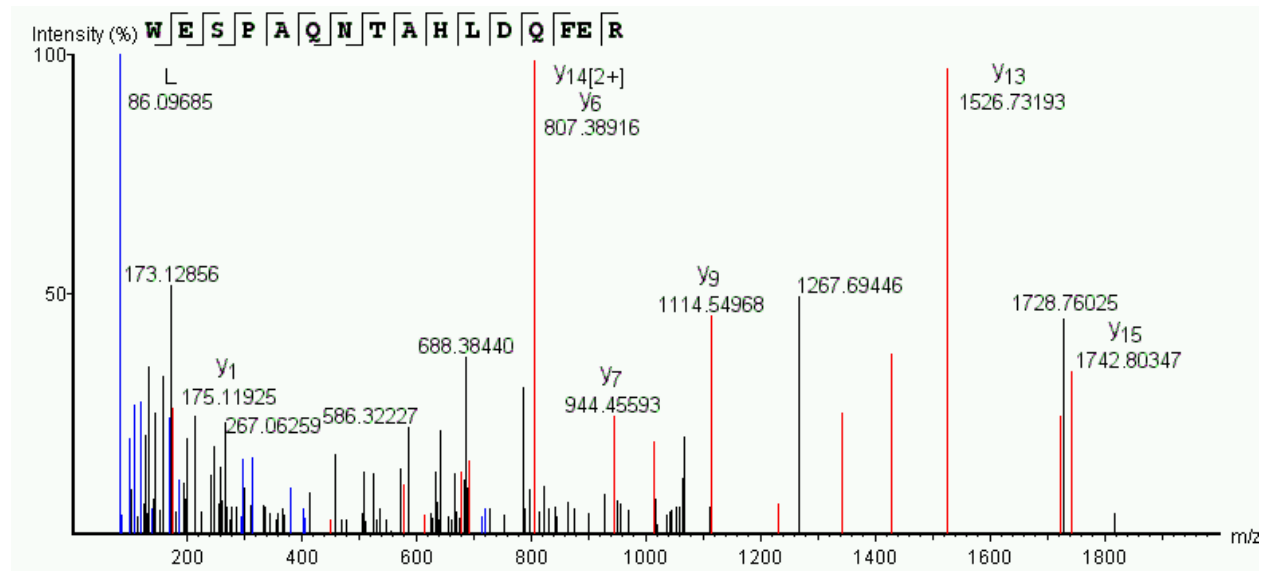
175. MS/MS at m/z 945.51294 (3+, RT=78.5449)



Identified protein:

|O14773|TPP1_HUMAN Tripeptidyl-peptidase 1

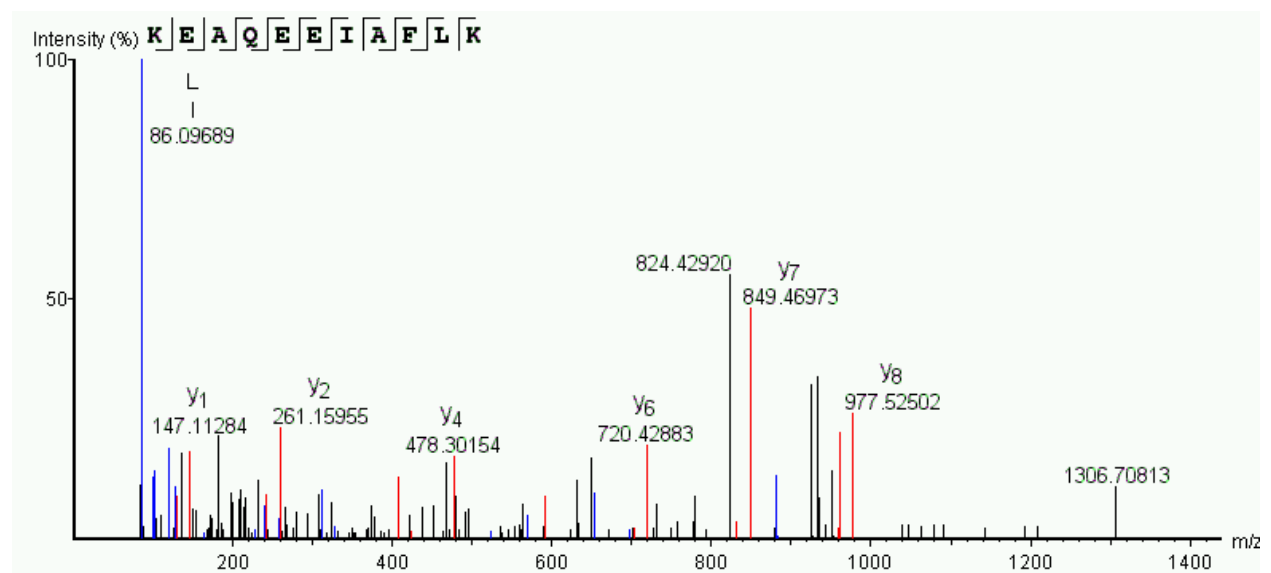
176. MS/MS at m/z 643.63654 (3+, RT=46.2591)



Identified protein:

|P17612-2|KAPCA_HUMAN Isoform 2 of cAMP-dependent protein kinase catalytic subunit alpha

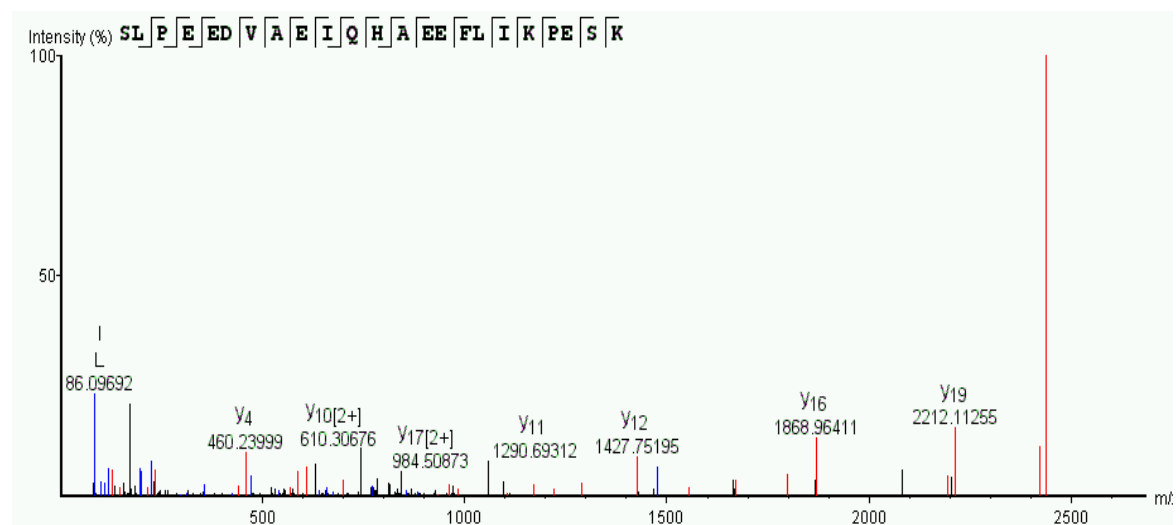
177. MS/MS at m/z 653.36444 (2+, RT=59.4009)



Identified protein:

|H0Y867|H0Y867_HUMAN Golgin subfamily B member 1 (Fragment)

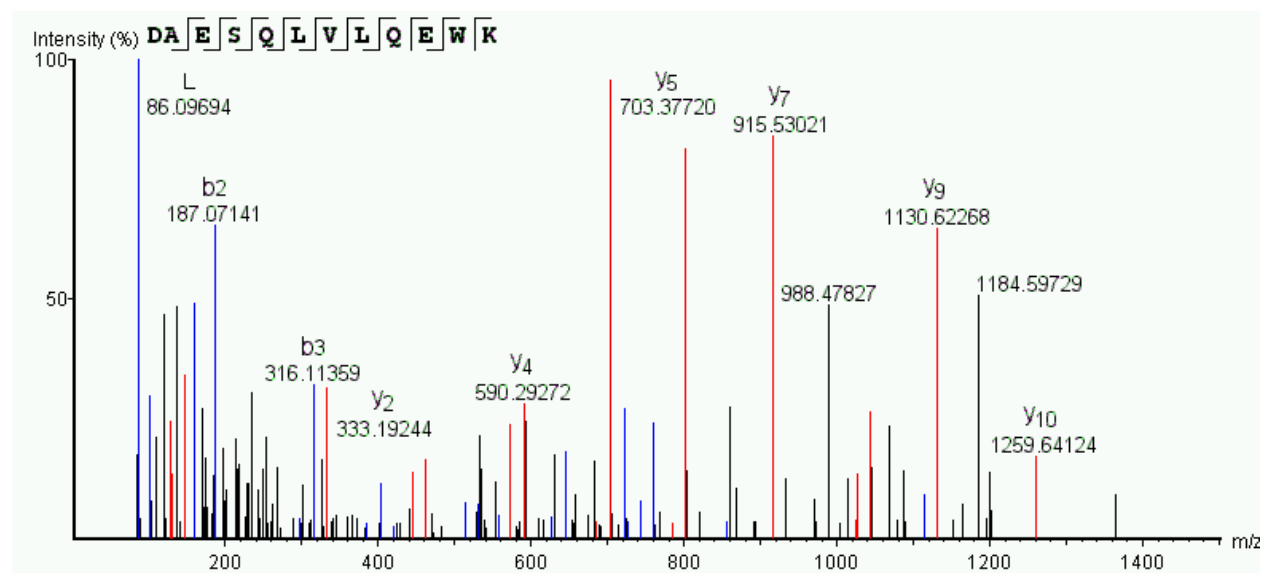
178. MS/MS at m/z 660.3383 (4+, RT=63.4068)



Identified protein:

|Q15286|RAB35_HUMAN Ras-related protein Rab-35

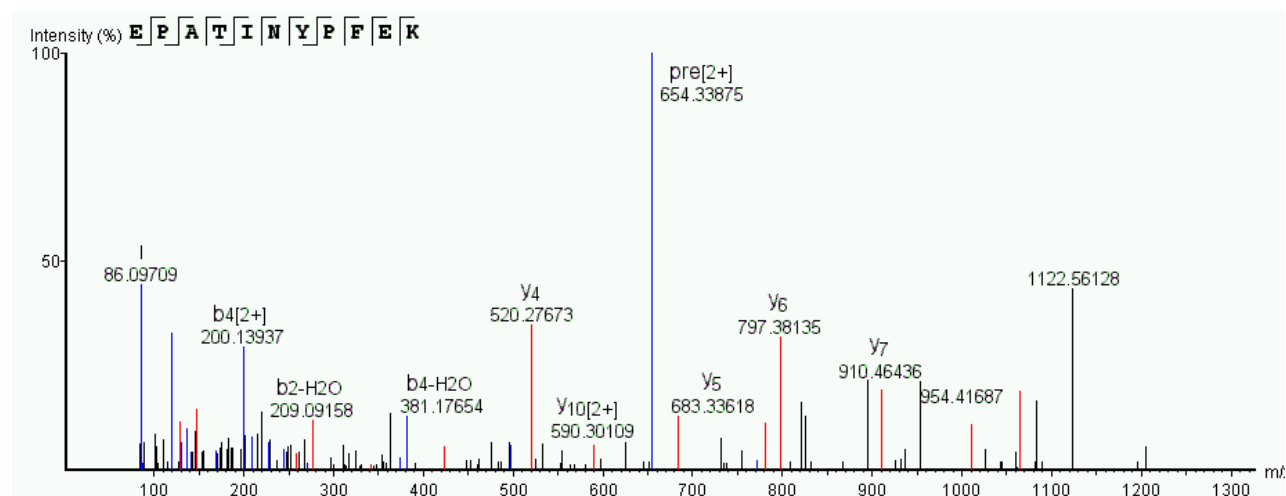
179. MS/MS at m/z 723.3622 (2+, RT=54.5373)



Identified protein:

|Q86UY8|NT5D3_HUMAN 5'-nucleotidase domain-containing protein 3

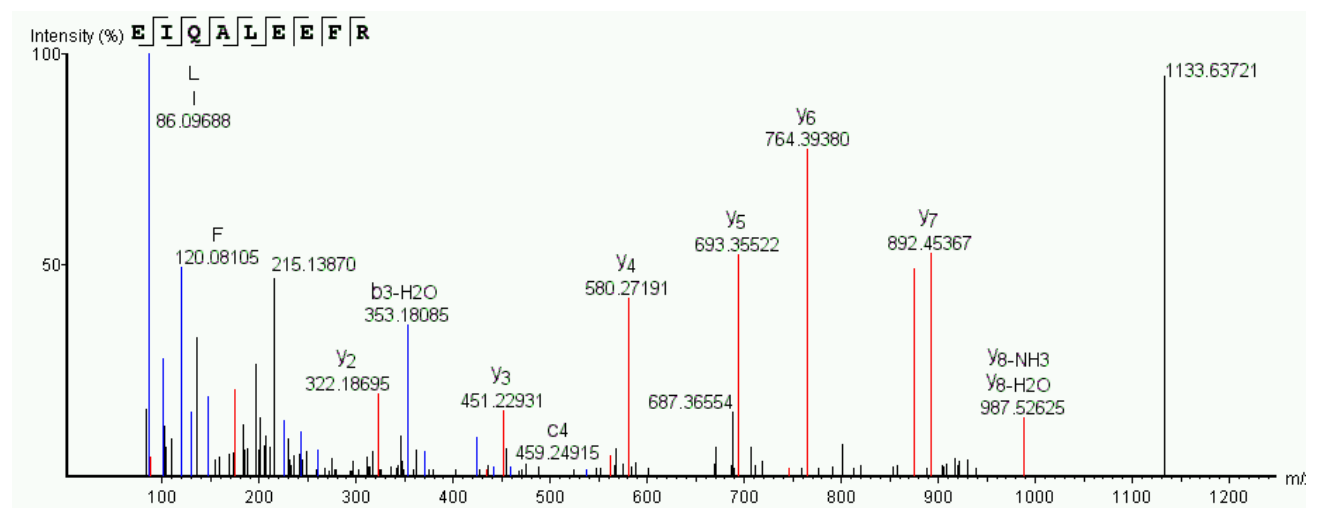
180. MS/MS at m/z 654.82434 (2+, RT=47.6141)



Identified protein:

|E9PPW7| NDUFS8_HUMAN NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial (Fragment)

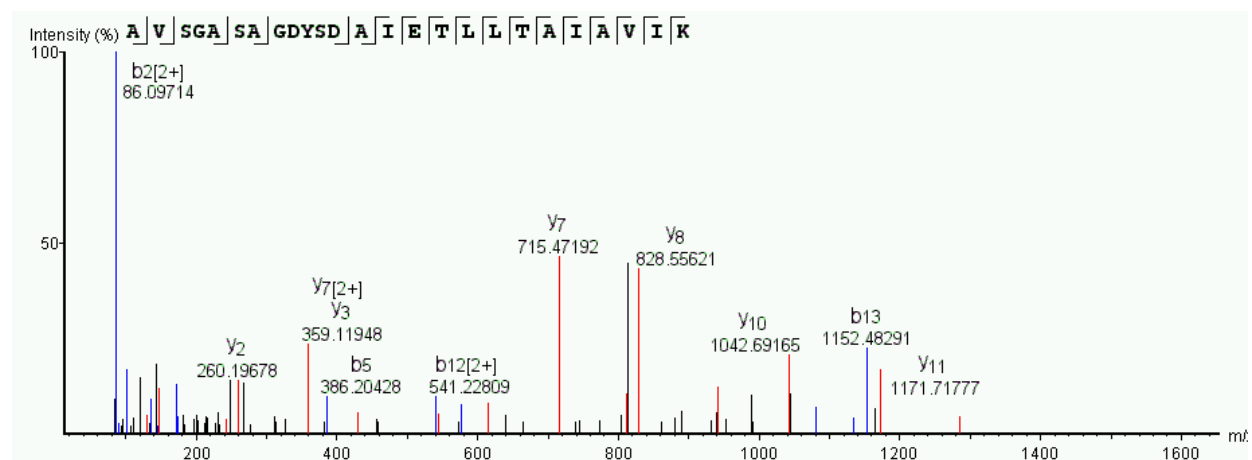
181. MS/MS at m/z 567.79376 (2+, RT=50.0369)



Identified protein:

|Q9C0E8-2|LNP_HUMAN Isoform 2 of Protein lunapark OS=Homo sapiens GN=LNP

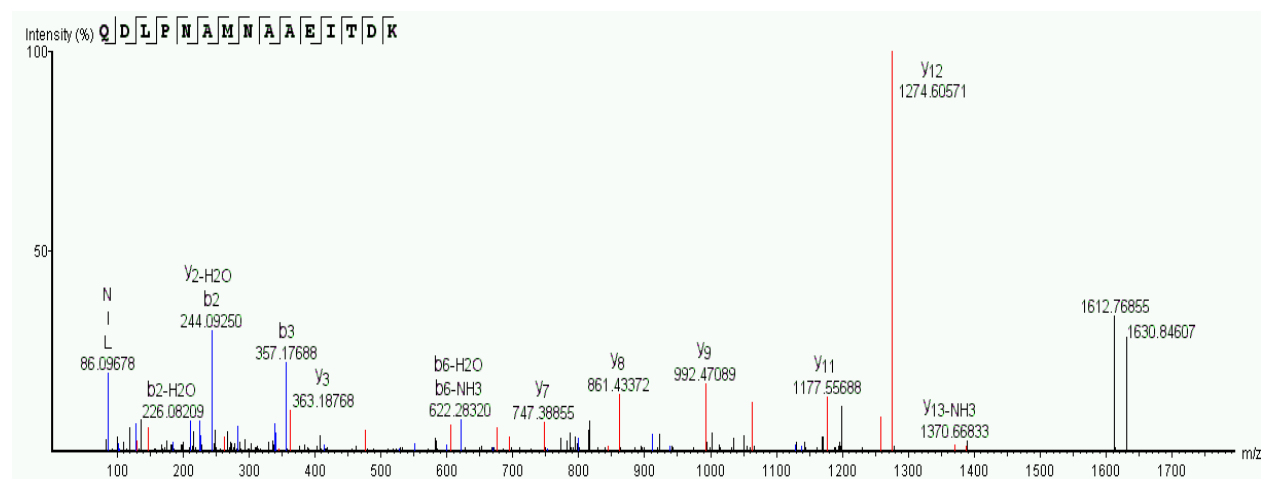
182. MS/MS at m/z 812.771 (3+, RT=87.9006)



Identified protein

|F5H669|CPSF7_HUMAN Cleavage and polyadenylation-specificity factor subunit 7 (Fragment)

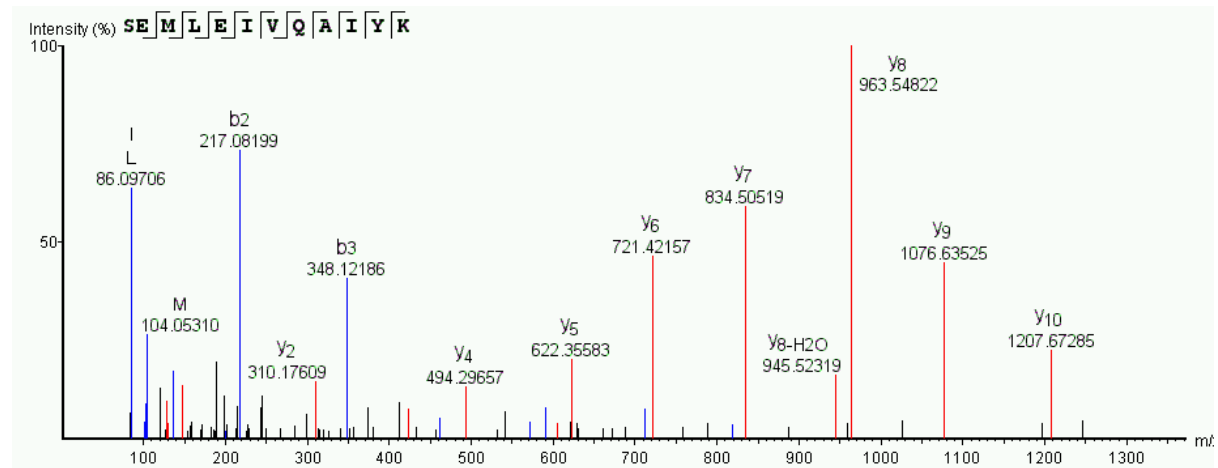
183. MS/MS at m/z 815.89124 (2+, RT=47.2336)



Identified protein:

|P84077|ARF1_HUMAN ADP-ribosylation factor 1

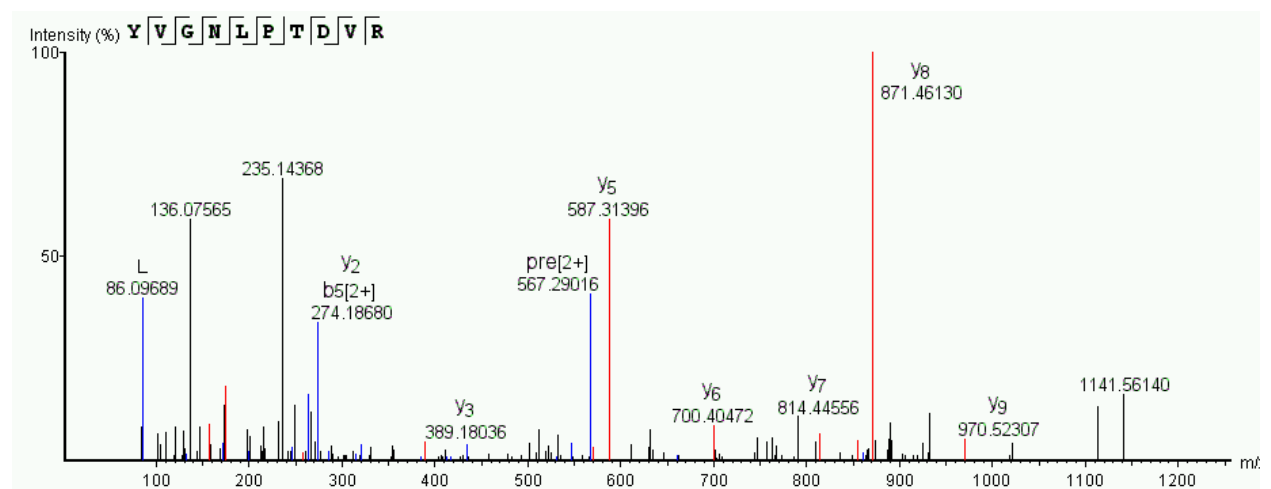
184. MS/MS at m/z 712.3759 (2+, RT=65.8284)



Identified protein:

|P37235|HPCL1_HUMAN Hippocalcin-like protein 1

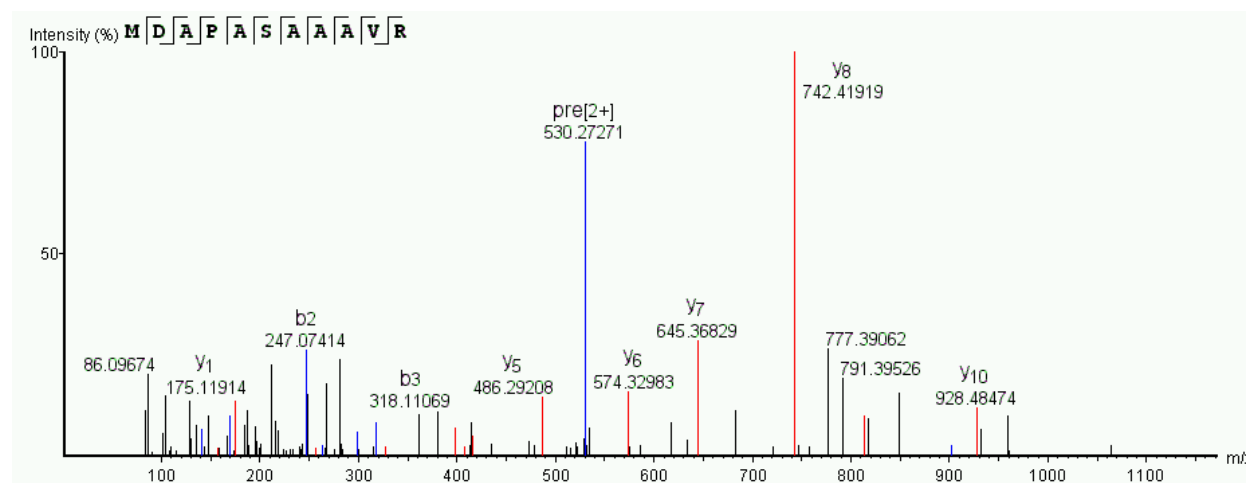
185. MS/MS at m/z 567.3019 (2+, RT=40.3093)



Identified protein:

|Q13242|SRSF9_HUMAN Serine/arginine-rich splicing factor 9

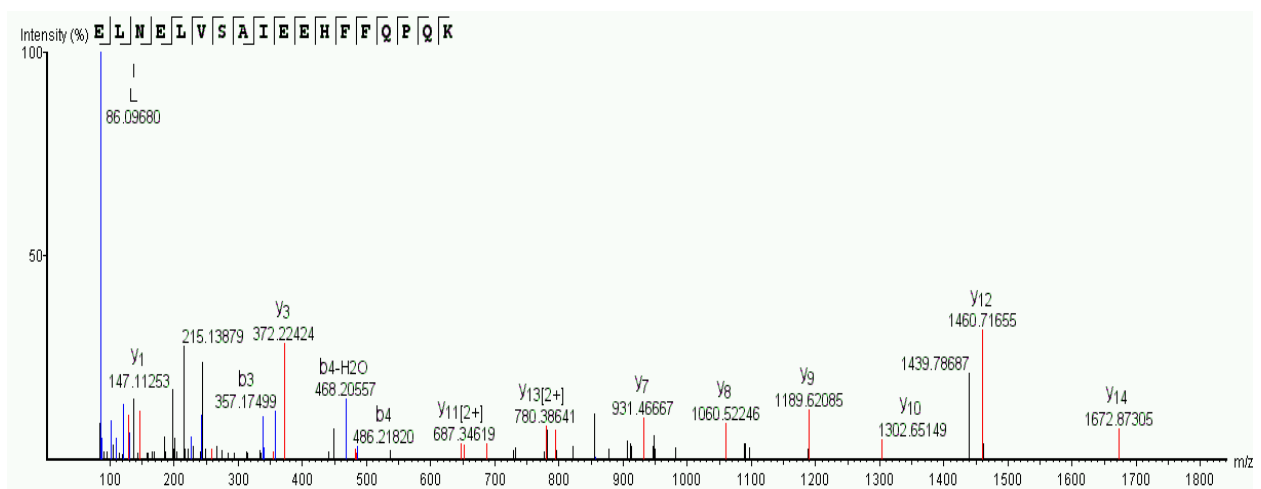
186. MS/MS at m/z 530.2633 (2+, RT=33.1826)



Identified protein:

|H3BLU7| AKR7A2_HUMAN Aflatoxin B1 aldehyde reductase member 2 (Fragment)

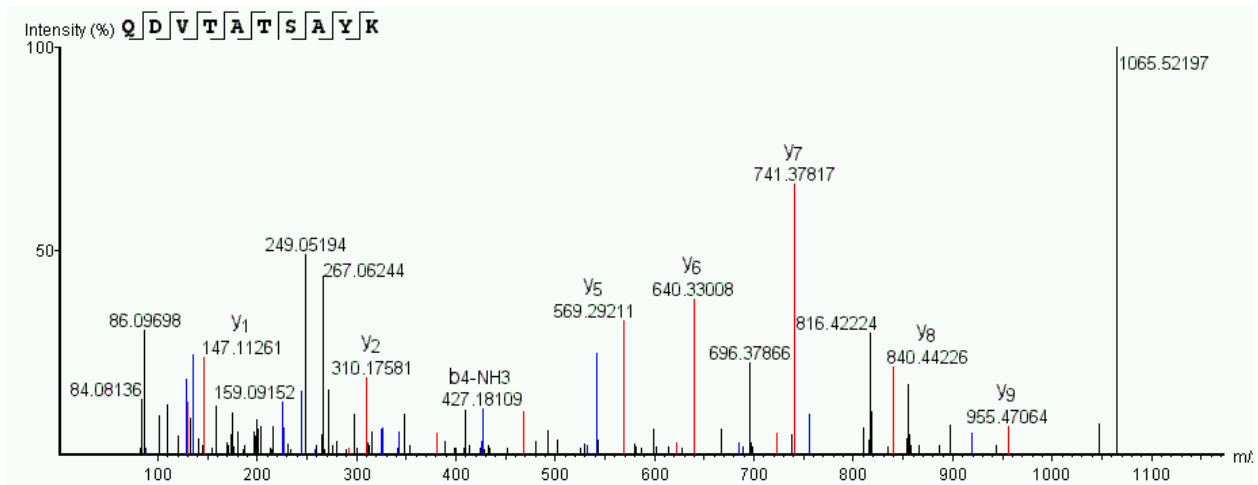
187. MS/MS at m/z 720.03424 (3+, RT=76.1061)



Identified protein:

|Q96G03|PGM2_HUMAN Phosphoglucomutase-2

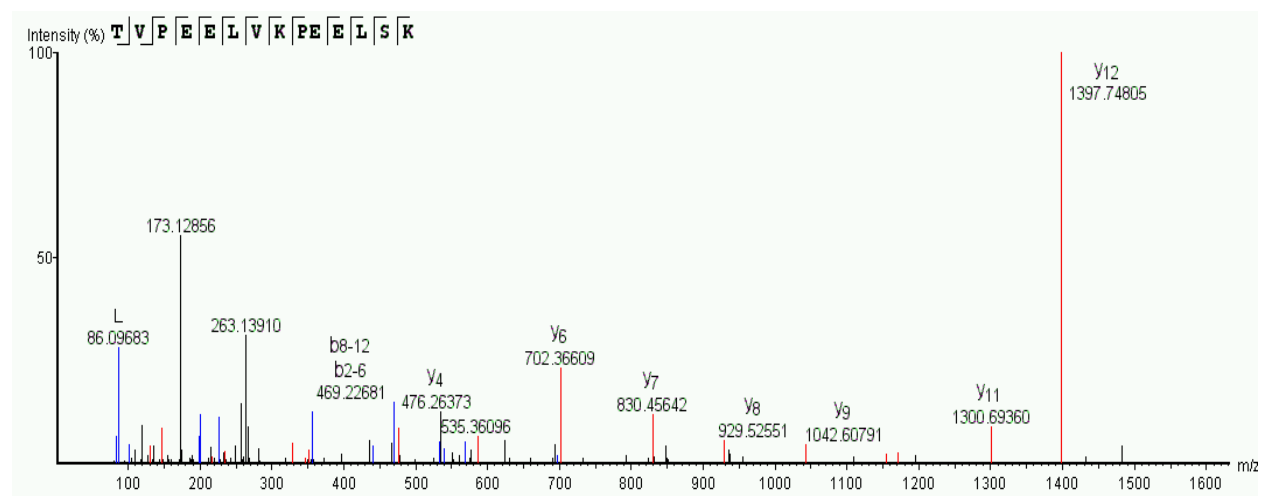
188. MS/MS at m/z 542.2714 (2+, RT=29.481)



Identified protein

|P55327-2|TPD52_HUMAN Isoform 2 of Tumor protein D52

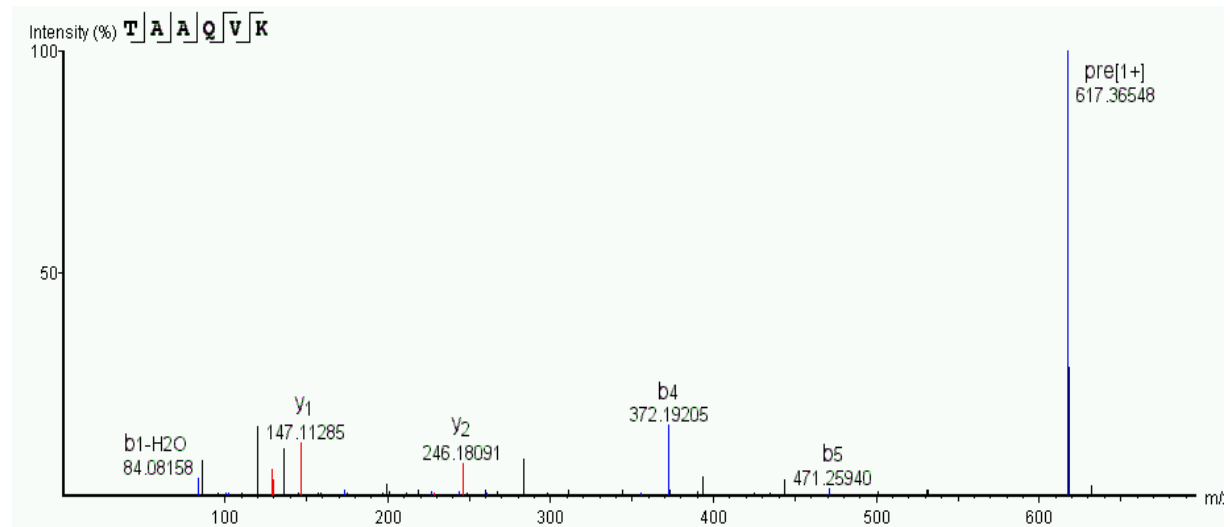
189. MS/MS at m/z 533.29333 (3+, RT=44.5145)



Identified protein:

|Q9UMS4|PRP19_HUMAN Pre-mRNA-processing factor 19

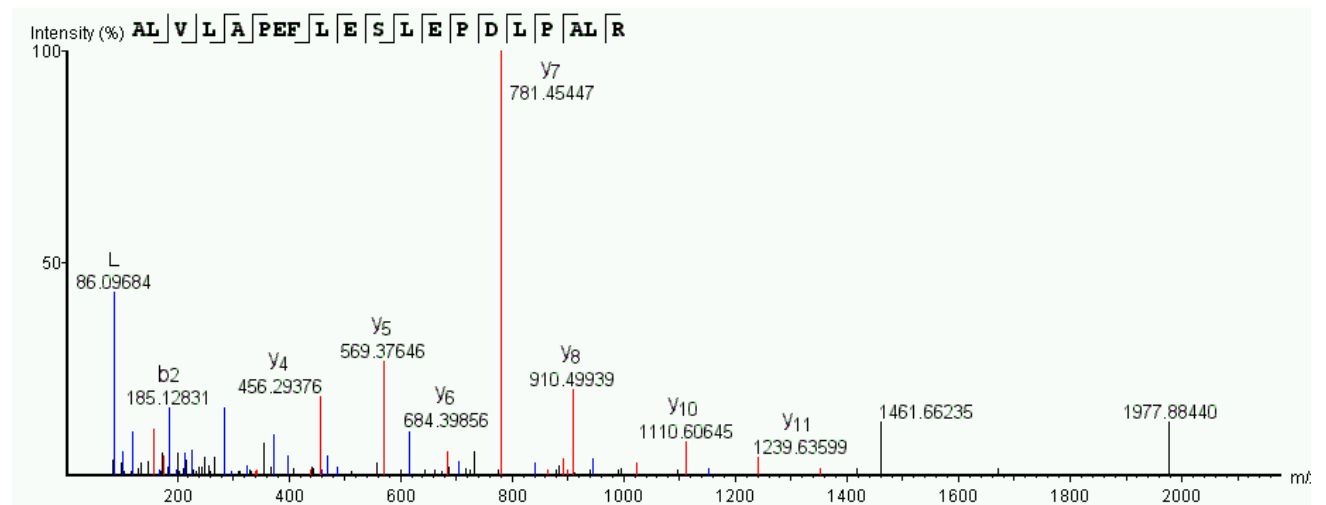
190. MS/MS at m/z 617.36554 (1+, RT=45.2074)



Identified protein:

|O60506-2|HNRPQ_HUMAN Isoform 2 of Heterogeneous nuclear ribonucleoprotein Q

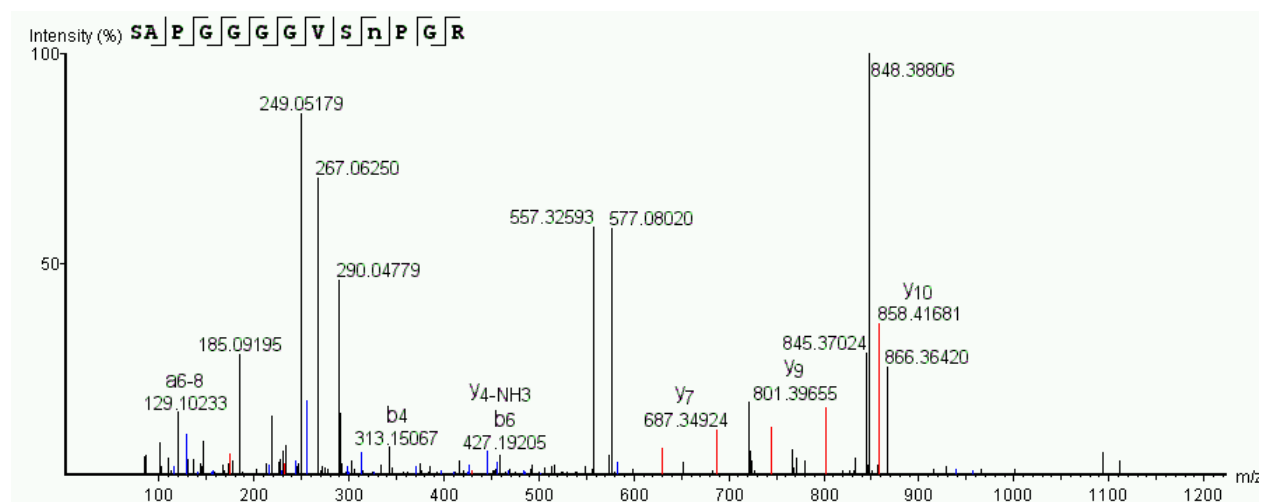
191. MS/MS at m/z 731.74243 (3+, RT=78.3466)



Identified protein:

|Q5K4L6|S27A3_HUMAN Long-chain fatty acid transport protein 3

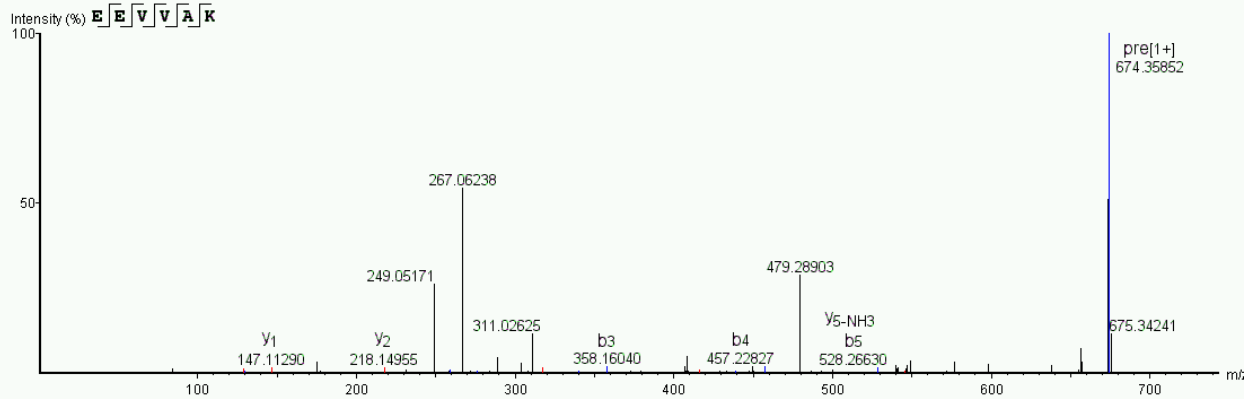
192. MS/MS at m/z 557.2728 (2+, RT=26.9997)



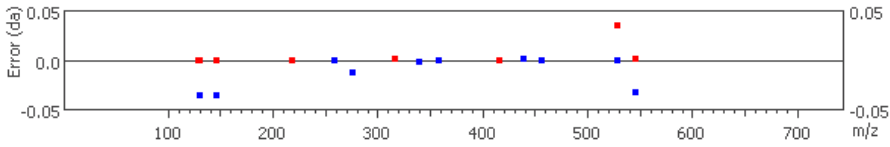
Identified protein:

|J3KSN1| LASP1_HUMAN LIM and SH3 domain protein 1 (Fragment) OS=Homo sapiens GN= PE=1 SV=1

193. MS/MS at m/z 674.3599 (1+, RT=14.8208)



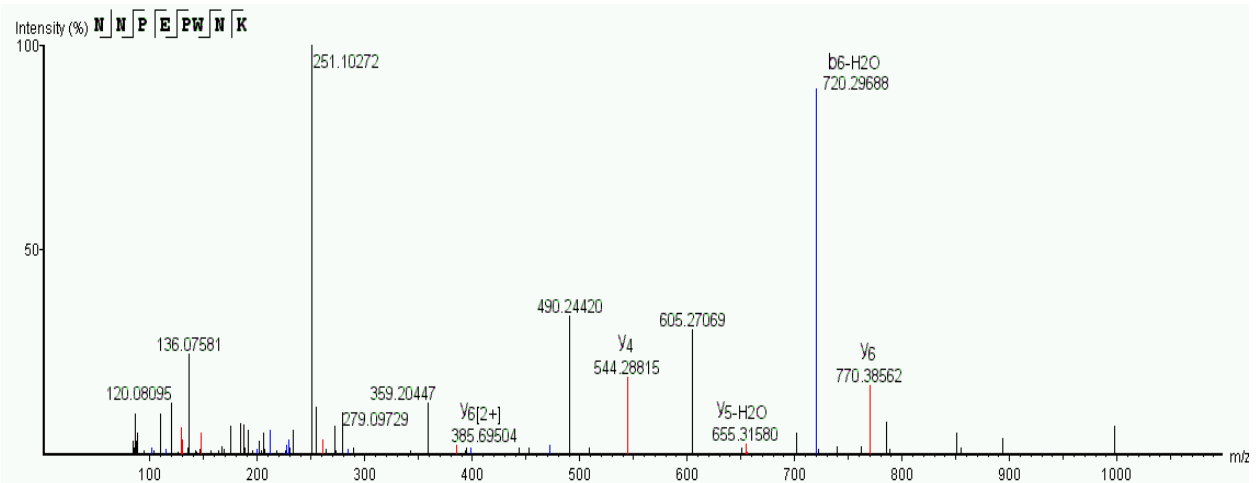
#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	102.05541	130.08633	112.03986	113.02341	147.11290	65.52521	E					6
2	102.05541	259.09253	241.08244	242.06599	276.13272	130.04649	E	545.32727	527.31873	528.26630	273.16464	5
3	72.08124	358.16040	340.15265	341.13443	375.18842	179.58070	V	416.28558	398.27615	399.25974	208.64336	4
4	72.08124	457.22827	439.21677	440.20282	474.25681	229.11490	V	317.21674	299.20773	300.19131	159.10915	3
5	44.04993	528.26630	510.25635	511.23993	545.32727	264.63345	A	218.14955	200.13934	201.12289	109.57495	2
6	101.10778						K	147.11290	129.10211	130.08633	74.05640	1



Identified protein:

|V9GZ56| LSM4_HUMAN U6 snRNA-associated Sm-like protein LSM4 (Fragment)

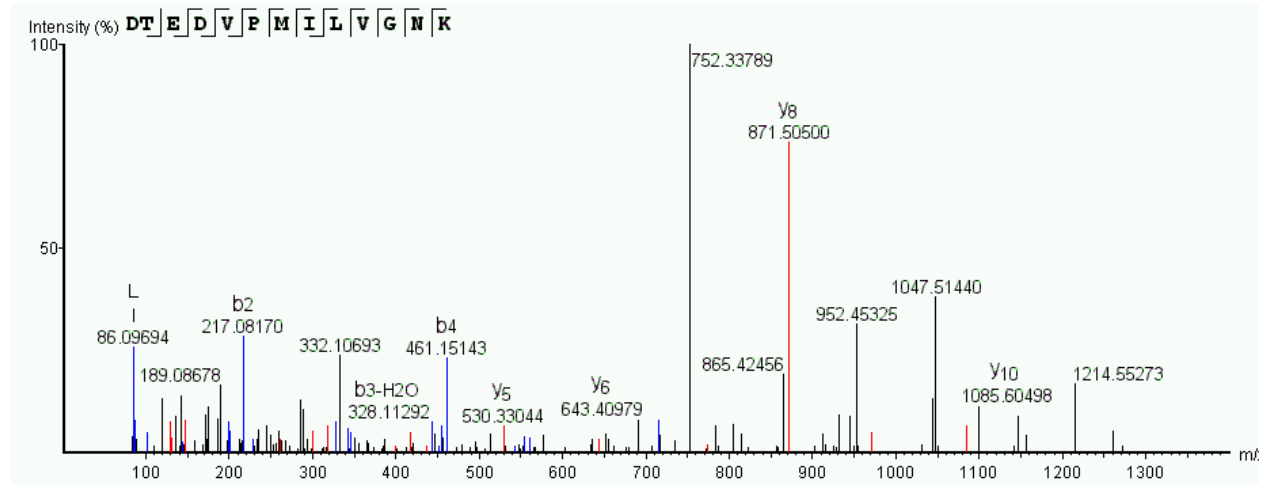
194. MS/MS at m/z 499.73718 (2+, RT=32.8547)



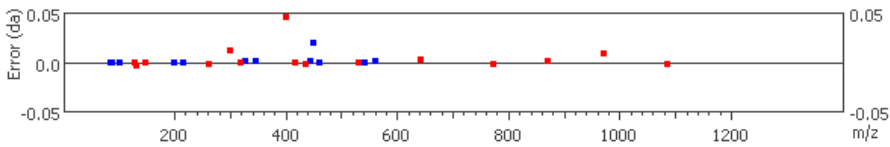
Identified protein:

|O00483|NDUA4_HUMAN Cytochrome c oxidase subunit NDUF4A

195. MS/MS at m/z 715.8637 (2+, RT=53.7144)



#	Immonium	b	b-H2O	b-NH3	c	b (2+)	Seq	y	y-H2O	y-NH3	y (2+)	#
1	88.03976	116.03477	98.02421	99.00777	133.06177	58.51738	D					13
2	74.06051	217.08170	199.07135	200.05544	234.10944	109.04122	T	1315.69263	1297.68213	1298.66565	658.34631	12
3	102.05519	346.12311	328.11292	329.09805	363.15204	173.56252	E	1214.64490	1196.63440	1197.61792	607.82245	11
4	88.03976	461.15143	443.13947	444.12500	478.17899	231.07599	D	1085.60498	1067.59180	1068.57532	543.30115	10
5	72.08124	560.21753	542.20923	543.19342	577.24744	280.61020	V	970.56555	952.56482	953.54840	485.78769	9
6	70.06558	657.27313	639.26257	640.24615	674.30017	329.13657	P	871.50500	853.49640	854.47998	436.25577	8
7	104.05332	788.31360	770.30304	771.28662	805.34064	394.65680	M	774.45728	756.44366	757.42725	387.72711	7
8	86.09694	901.39771	883.38715	884.37073	918.42474	451.17828	I	643.40979	625.40314	626.38672	322.20685	6
9	86.09694	1014.48175	996.47119	997.45477	1031.50879	507.74088	L	530.33044	512.31909	513.30267	265.66483	5
10	72.08124	1113.55017	1095.53967	1096.52319	1130.57715	557.27509	V	417.24408	399.23502	400.17212	209.12279	4
11	30.03429	1170.57166	1152.56116	1153.54468	1187.59863	585.78583	G	318.17691	300.15399	301.15021	159.58859	3
12	87.05592	1284.61450	1266.60400	1267.58752	1301.64148	642.80725	N	261.15784	243.14516	244.12871	131.08150	2
13	101.10778						K	147.11275	129.10219	130.08578	74.05640	1



Identified protein:

|P62834|RAP1A_HUMAN Ras-related protein Rap-1A